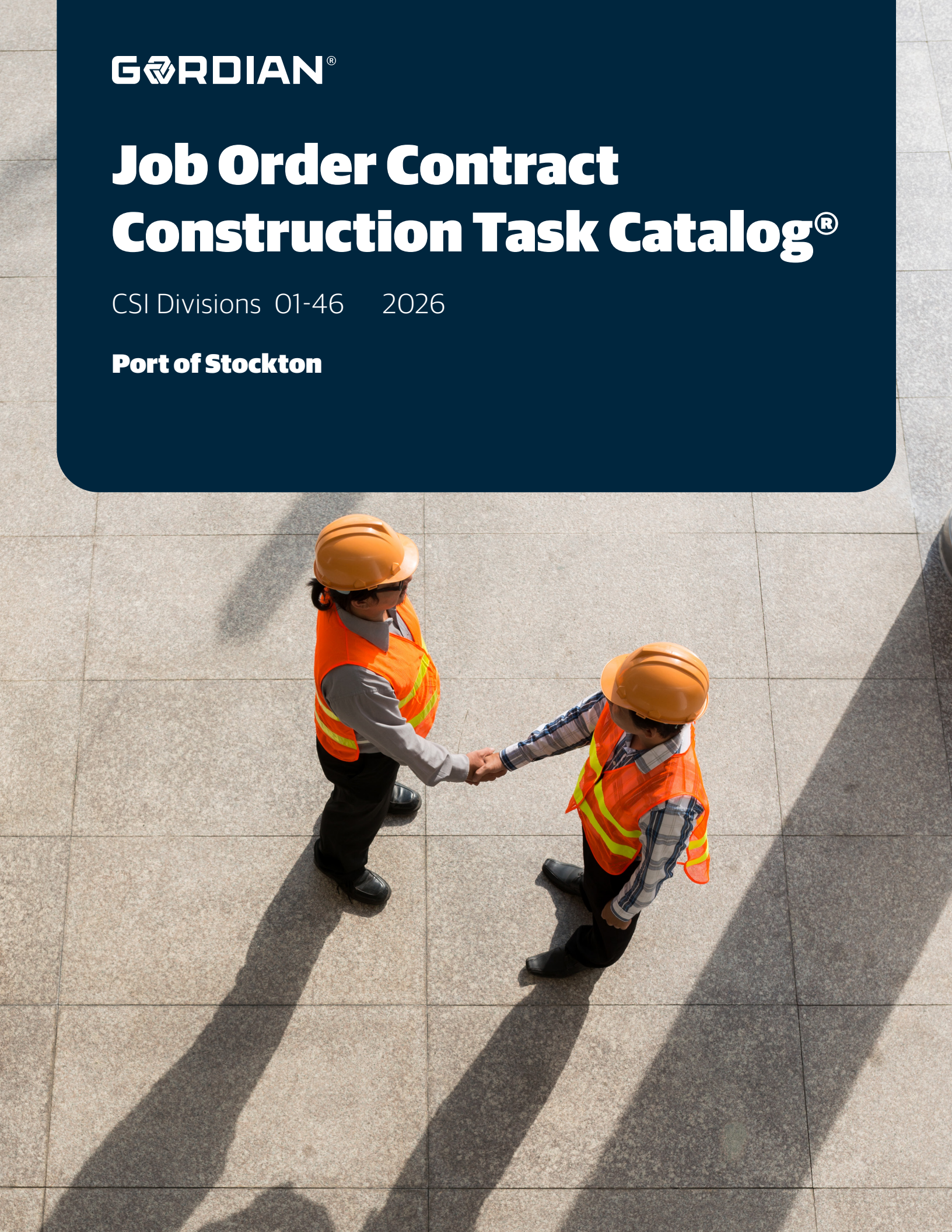
GORDIAN®

Job Order Contract Construction Task Catalog®

CSI Divisions 01-46 2026

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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Port of Stockton**, priced locally using current labor, material and equipment costs, and published in June 2026.
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- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

Project Related Costs:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price X Quantity X Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

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shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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Field Engineering:

☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

Assemblies:

☑ Assembly Tasks take precedence over individual component Tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.

☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HDAY – Half Day, HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose

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(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2) height
- Surface Area = 2 π radius^2+(2 π radius) height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents 0.00
Note: For specification publishing. Review specifications for requirements.

01 11 19 Purchase Contracts *(01 11)*

01 11 19 00-0001 Purchase Contracts *(01 11 19)*
Note: Vendor supplied materials which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 11 19 00-0002 EA GSA Schedule Purchases - Contractor Multiplier May Apply 1.00
Note: Purchases made by the contractor using the GSA Schedule will be reimbursed to the Contractor at the actual cost of the purchase. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost, i.e.; quantity of 125 = $125.00 purchase. If there are multiple purchases, list each one separately and add a comment in the "note" block to identify the Purchase Contracts. Insert the appropriate quantity to adjust the base cost to the actual Purchase Contracts. The Adjustment Factor should be 1.00. A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal. Excludes labor and equipment costs for installation.

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*
Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees 1.00
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

01 22 16 00-0003 Negotiated Travel Costs *(01 22 16)*
Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0004 EA Negotiated Travel Costs 1.00
Note: Supporting documentation must be included with each Work Order.

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*
Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Removal Worker 99.89
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *4.99*
For Apprentice, Deduct *-19.98*

01 22 20 00-0003 HR Insulator 135.32
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.77*
For Apprentice, Deduct *-27.06*

01 22 20 00-0004 HR Boilermaker 123.46
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *6.17*
For Apprentice, Deduct *-24.69*

01 22 20 00-0005 HR Brick Layer 112.53
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *5.63*
For Apprentice, Deduct *-22.51*

01 22 20 00-0006 HR Carpenter 141.57
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *7.08*
For Apprentice, Deduct *-28.31*

01 22 20 00-0007 HR Carpet, Linoleum 114.84
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *5.74*
For Apprentice, Deduct *-22.97*

01 22 20 00-0008 HR Cement Mason 105.27
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.
For Foreperson, Add *5.26*
For Apprentice, Deduct *-21.05*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0009	HR	Drywall Finisher	129.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.48*	
		For Apprentice, Deduct	*-25.92*	
01 22 20 00-0010	HR	Electrician, Inside Wireman	112.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.60*	
		For Apprentice, Deduct	*-22.41*	
01 22 20 00-0011	HR	Electrician, Cable Splicer	127.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.36*	
		For Apprentice, Deduct	*-25.43*	
01 22 20 00-0012	HR	High Voltage Electrician, Utility Lineman	144.29	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0013	HR	Equipment Operator, Crane, Group 1-A	136.52	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0014	HR	Equipment Operator, Crane, Group 2-A	134.05	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.70*	
01 22 20 00-0015	HR	Equipment Operator, Crane, Group 3-A	131.66	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0016	HR	Equipment Operator, Medium, Group 3	131.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.56*	
		For Apprentice, Deduct	*-26.22*	
01 22 20 00-0017	HR	Equipment Operator, Medium, Group 4	129.18	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0018	HR	Equipment Operator, Medium, Group 5	127.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019	HR	Equipment Operator, Light, Group 6	125.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.28*	
		For Apprentice, Deduct	*-25.11*	
01 22 20 00-0020	HR	Equipment Operator, Light, Group 7	123.98	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0021	HR	Equipment Operator, Light, Group 8	122.40	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR	Glazier	111.90	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.60*	
		For Apprentice, Deduct	*-22.38*	
01 22 20 00-0023	HR	Laborer	95.29	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.76*	
		For Apprentice, Deduct	*-19.06*	
01 22 20 00-0024	HR	Lather	133.52	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.68*	
		For Apprentice, Deduct	*-26.70*	
01 22 20 00-0025	HR	Marble Setter	132.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.60*	
		For Apprentice, Deduct	*-26.41*	
01 22 20 00-0026	HR	Millwright	137.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.88*	
		For Apprentice, Deduct	*-27.50*	
01 22 20 00-0027	HR	Mold Removal Worker	99.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.98*	
		For Apprentice, Deduct	*-19.90*	
01 22 20 00-0028	HR	Painter, Ordinary	93.66	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.68*	
		For Apprentice, Deduct	*-18.73*	
01 22 20 00-0029	HR	Painter, Structural Steel	101.35	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.07*	
		For Apprentice, Deduct	*-20.27*	
01 22 20 00-0030	HR	Paperhanger	93.66	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.68*	
		For Apprentice, Deduct	*-18.73*	
01 22 20 00-0031	HR	Pile Drivers	151.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.57*	
		For Apprentice, Deduct	*-30.28*	
01 22 20 00-0032	HR	Plasterer	126.75	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.34*	
		For Apprentice, Deduct	*-25.35*	
01 22 20 00-0033	HR	Plumber	128.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.43*	
		For Apprentice, Deduct	*-25.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0034	HR	Powderman	99.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.98*	
01 22 20 00-0035	HR	Rodman (Reinforcing)/Ornamental Steel Worker	115.12	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.76*	
		For Apprentice, Deduct	*-23.02*	
01 22 20 00-0036	HR	Roofer, Composite	136.82	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.84*	
		For Apprentice, Deduct	*-27.36*	
01 22 20 00-0037	HR	Roofer, Metal	152.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.62*	
		For Apprentice, Deduct	*-30.49*	
01 22 20 00-0038	HR	Roofer, Tile/Slate	132.64	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.63*	
		For Apprentice, Deduct	*-26.53*	
01 22 20 00-0039	HR	Sheet Metal Worker	131.87	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.59*	
		For Apprentice, Deduct	*-26.37*	
01 22 20 00-0040	HR	Sprinkler Installer	104.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.22*	
		For Apprentice, Deduct	*-20.88*	
01 22 20 00-0041	HR	Steam / Pipe Fitter	128.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.43*	
		For Apprentice, Deduct	*-25.71*	
01 22 20 00-0042	HR	Stone Mason	112.53	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.63*	
		For Apprentice, Deduct	*-22.51*	
01 22 20 00-0043	HR	Iron Worker, Structural	118.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.93*	
		For Apprentice, Deduct	*-23.71*	
01 22 20 00-0044	HR	Tile Layer	108.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.42*	
		For Apprentice, Deduct	*-21.68*	
01 22 20 00-0045	HR	Terrazzo Worker	123.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.20*	
		For Apprentice, Deduct	*-24.80*	
01 22 20 00-0046	HR	Truck Driver, Light, Group 1	99.89	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.99*	
		For Apprentice, Deduct	*-19.98*	
01 22 20 00-0047	HR	Truck Driver, Medium, Group 2	100.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0048	HR	Truck Driver, Heavy, Group 3	100.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.04*	
		For Apprentice, Deduct	*-20.16*	
01 22 20 00-0049	HR	Truck Driver, Heavy, Group 4	101.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0050	HR	Welder	118.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.93*	
		For Apprentice, Deduct	*-23.71*	
01 22 20 00-0051	HR	D1 Certified Welder	138.11	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0052	HR	Class I Diver	245.01	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0053	HR	Class III Diver Tender	171.14	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0054	HR	Lighting Maintenance Worker	112.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0055 Rates For Services *(01 22 20)*

01 22 20 00-0056	HR	Watch/Guard Person, Unarmed	35.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0057	HR	Watch/Guard Person, Armed	45.55	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0058	HR	Senior Surveyor, Party Chief	140.87	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0059	HR	Surveyor, Instrument Person	126.02	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0060	HR	Surveyor, Rod Person	123.88	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0061	HR	On-Site Certified Materials Testing Technician Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	97.05	
01 22 20 00-0062	HR	Certified Industrial Hygienist Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	130.82	
01 22 20 00-0063	HR	Underground Utility Surveyor	137.00	
01 22 20 00-0064	MI	Mileage For Professional Services (Engineering, Surveying, etc.) Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	0.72	
01 22 20 00-0065	DAY	Gas Detection Service To Monitor The Project Site For The Presence Of Gas Note: Includes equipment, project manager, notices and reports.	947.43	
01 22 20 00-0066	HR	System Testing Engineer	90.00	
01 22 20 00-0067	HR	Manufacturer Technical Advisor Note: For oversight of installation of special manufactured equipment. Advisor to be requested by and cost to be approved by Owner only.	100.00	
01 22 20 00-0068	HR	Fire Watch Laborer Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.	95.29	

01 22 20 00-0069 Rates For Project Management Services *(01 22 20)*

Note: Includes subcontracted rates with burden and mark-up

01 22 20 00-0070	HR	Project Manager Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	160.00	

01 22 20 00-0071 Rates For Architectural And Engineering Services *(01 22 20)*

Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up

01 22 20 00-0072	HR	Principal Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	243.12	
01 22 20 00-0073	HR	Senior Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	179.38	
01 22 20 00-0074	HR	Architect Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	140.62	
01 22 20 00-0075	HR	Principal Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	210.00	
01 22 20 00-0076	HR	Senior Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	174.12	
01 22 20 00-0077	HR	Engineer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	137.00	
01 22 20 00-0078	HR	Draft Person Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	71.88	

01 22 20 00-0079 Rates For Traffic Control *(01 22 20)*

01 22 20 00-0080	DAY	Pilot Vehicle With Driver Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	1,168.16	
01 22 20 00-0081	HR	Flagperson For Traffic Control	95.29	

01 22 20 00-0082 Traffic Control *(01 22 20)*

01 22 20 00-0083	DAY	Traffic Control System Note: Includes 1 truck, 1 arrow board, 1 licensed traffic control person, traffic cones.	2,081.00	
01 22 20 00-0084	EA	Traffic Control Drawings Note: Includes engineered stamped drawings as required by governing agency.	1,287.66	

01 22 20 00-0085 Transport And Escort Vehicles *(01 22 20)*

01 22 20 00-0086	HR	Escort Vehicle With Driver	108.10	
01 22 20 00-0087	HR	Transport Vehicle With Driver	153.90	

01 22 23 Equipment Usage *(01 22)*

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0079 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001 Aerial Equipment *(01 22 23)*

01 22 23 00-0002 Man Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0003 Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0004 Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	430.56	
		For Four-Wheel Drive, Add	*96.88*	
		For Half Day Usage, Deduct	*-134.55*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,083.34	
		For Four-Wheel Drive, Add	*243.75*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,430.58	
		For Four-Wheel Drive, Add	*546.88*	
		For >6 Months (>26 Weeks), Deduct	*-97.22*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	631.95	
		For Four-Wheel Drive, Add	*142.19*	
		For Half Day Usage, Deduct	*-197.48*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,506.96	
		For Four-Wheel Drive, Add	*339.07*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,298.64	
		For Four-Wheel Drive, Add	*742.19*	
		For >6 Months (>26 Weeks), Deduct	*-131.95*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,229.18	
		For Four-Wheel Drive, Add	*276.57*	
		For Half Day Usage, Deduct	*-384.12*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	2,979.19	
		For Four-Wheel Drive, Add	*670.32*	
01 22 23 00-0013	MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	6,250.05	
		For Four-Wheel Drive, Add	*1,406.26*	
		For >6 Months (>26 Weeks), Deduct	*-250.00*	
01 22 23 00-0014	DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	1,750.01	
		For Four-Wheel Drive, Add	*393.75*	
		For Half Day Usage, Deduct	*-546.88*	
01 22 23 00-0015	WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,213.92	
		For Four-Wheel Drive, Add	*948.13*	
01 22 23 00-0016	MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	10,500.08	
		For Four-Wheel Drive, Add	*2,362.52*	
		For >6 Months (>26 Weeks), Deduct	*-420.00*	
01 22 23 00-0017	DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,131.96	
		For Four-Wheel Drive, Add	*479.69*	
		For Half Day Usage, Deduct	*-666.24*	
01 22 23 00-0018	WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	5,437.54	
		For Four-Wheel Drive, Add	*1,223.45*	
01 22 23 00-0019	MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	12,361.21	
		For Four-Wheel Drive, Add	*2,781.27*	
		For >6 Months (>26 Weeks), Deduct	*-494.45*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022	DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	403.26	
		For Half Day Usage, Deduct	*-126.02*	
01 22 23 00-0023	WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,011.82	
01 22 23 00-0024	MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,434.22	
		For >6 Months (>26 Weeks), Deduct	*-97.37*	
01 22 23 00-0025	DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	513.24	
		For Half Day Usage, Deduct	*-160.39*	
01 22 23 00-0026	WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,121.80	
01 22 23 00-0027	MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,784.69	
		For >6 Months (>26 Weeks), Deduct	*-111.39*	
01 22 23 00-0028	DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	659.88	
		For Half Day Usage, Deduct	*-206.21*	
01 22 23 00-0029	WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,525.06	
01 22 23 00-0030	MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,409.38	
		For >6 Months (>26 Weeks), Deduct	*-136.38*	
01 22 23 00-0031	DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,151.12	
		For Half Day Usage, Deduct	*-359.73*	
01 22 23 00-0032	WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,712.84	
01 22 23 00-0033	MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	6,597.33	
		For >6 Months (>26 Weeks), Deduct	*-263.89*	
01 22 23 00-0034	DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,236.26	
		For Half Day Usage, Deduct	*-698.83*	
01 22 23 00-0035	WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,279.04	
01 22 23 00-0036	MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	12,904.32	
		For >6 Months (>26 Weeks), Deduct	*-516.17*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038	DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	403.26	
		For Half Day Usage, Deduct	*-126.02*	
01 22 23 00-0039	WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,011.82	
01 22 23 00-0040	MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,434.22	
		For >6 Months (>26 Weeks), Deduct	*-97.37*	
01 22 23 00-0041	DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	403.26	
		For Half Day Usage, Deduct	*-126.02*	
01 22 23 00-0042	WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,011.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0043	MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,434.22	
		For >6 Months (>26 Weeks), Deduct	*-97.37*	
01 22 23 00-0044	DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	498.58	
		For Half Day Usage, Deduct	*-155.81*	
01 22 23 00-0045	WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,077.80	
01 22 23 00-0046	MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,676.18	
		For >6 Months (>26 Weeks), Deduct	*-107.05*	
01 22 23 00-0047	DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	498.58	
		For Half Day Usage, Deduct	*-155.81*	
01 22 23 00-0048	WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,077.80	
01 22 23 00-0049	MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,676.18	
		For >6 Months (>26 Weeks), Deduct	*-107.05*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift	174.24	
		For Half Day Usage, Deduct	*-54.45*	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	348.48	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	712.80	
		For >6 Months (>26 Weeks), Deduct	*-28.51*	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	190.08	
		For Half Day Usage, Deduct	*-59.40*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	380.16	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	760.32	
		For >6 Months (>26 Weeks), Deduct	*-30.41*	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	245.52	
		For Half Day Usage, Deduct	*-76.73*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	491.04	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,053.36	
		For >6 Months (>26 Weeks), Deduct	*-42.13*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	316.80	
		For Half Day Usage, Deduct	*-99.00*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	625.68	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,386.00	
		For >6 Months (>26 Weeks), Deduct	*-55.44*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	340.56	
		For Half Day Usage, Deduct	*-106.43*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	665.28	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,504.80	
		For >6 Months (>26 Weeks), Deduct	*-60.19*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	443.52	
		For Half Day Usage, Deduct	*-138.60*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,100.88	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,065.04	
		For >6 Months (>26 Weeks), Deduct	*-122.60*	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	472.43	
		For Four-Wheel Drive, Add	*94.49*	
		For Half Day Usage, Deduct	*-147.63*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	923.87	
		For Four-Wheel Drive, Add	*184.77*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	2,257.18	
		For Four-Wheel Drive, Add	*451.44*	
		For >6 Months (>26 Weeks), Deduct	*-90.29*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	482.93	
		For Four-Wheel Drive, Add	*96.59*	
		For Half Day Usage, Deduct	*-150.92*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	1,102.34	
		For Four-Wheel Drive, Add	*220.47*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,414.66	
		For Four-Wheel Drive, Add	*482.93*	
		For >6 Months (>26 Weeks), Deduct	*-96.59*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	535.42	
		For Four-Wheel Drive, Add	*107.08*	
		For Half Day Usage, Deduct	*-167.32*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,228.32	
		For Four-Wheel Drive, Add	*245.66*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,729.61	
		For Four-Wheel Drive, Add	*545.92*	
		For >6 Months (>26 Weeks), Deduct	*-109.18*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	566.92	
		For Four-Wheel Drive, Add	*113.38*	
		For Half Day Usage, Deduct	*-177.16*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,322.81	
		For Four-Wheel Drive, Add	*264.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	3,254.54	
		For Four-Wheel Drive, Add	*650.91*	
		For >6 Months (>26 Weeks), Deduct	*-130.18*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	1,060.35	
		For Four-Wheel Drive, Add	*212.07*	
		For Half Day Usage, Deduct	*-331.36*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,330.67	
		For Four-Wheel Drive, Add	*466.13*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,732.18	
		For Four-Wheel Drive, Add	*1,146.44*	
		For >6 Months (>26 Weeks), Deduct	*-229.29*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	165.70	
		For Half Day Usage, Deduct	*-51.78*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	469.48	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	948.17	
		For >6 Months (>26 Weeks), Deduct	*-37.93*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	230.14	
		For Half Day Usage, Deduct	*-71.92*	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	487.89	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,656.99	
		For >6 Months (>26 Weeks), Deduct	*-66.28*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	386.63	
		For Half Day Usage, Deduct	*-120.82*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	938.96	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,743.24	
		For >6 Months (>26 Weeks), Deduct	*-109.73*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	414.25	
		For Half Day Usage, Deduct	*-129.45*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	1,031.02	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	3,102.25	
		For >6 Months (>26 Weeks), Deduct	*-124.09*	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	220.93	
		For Half Day Usage, Deduct	*-69.04*	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	441.86	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	883.73	
		For >6 Months (>26 Weeks), Deduct	*-35.35*	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	220.93	
		For Half Day Usage, Deduct	*-69.04*	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	441.86	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	918.71	
		For >6 Months (>26 Weeks), Deduct	*-36.75*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,416.00	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-593.69*	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	5,860.64	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	22,126.06	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-186.23*	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,493.59	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-617.93*	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	6,110.06	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	22,791.16	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-212.83*	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	1,693.12	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-680.29*	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	6,470.32	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	23,567.11	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-243.87*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,136.52	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-818.85*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	7,911.37	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	27,446.86	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-399.06*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,358.22	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-888.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	8,687.32	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	30,218.11	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-509.91*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,469.07	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-922.77*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	9,019.87	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	30,484.15	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-520.55*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	170.20	
		For Half Day Usage, Deduct	*-53.19*	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	510.62	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,418.38	
		For >6 Months (>26 Weeks), Deduct	*-56.74*	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	204.25	
		For Half Day Usage, Deduct	*-63.83*	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	601.39	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,702.05	
		For >6 Months (>26 Weeks), Deduct	*-68.08*	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	272.33	
		For Half Day Usage, Deduct	*-85.10*	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	612.74	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,350.29	
		For >6 Months (>26 Weeks), Deduct	*-54.01*	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	385.80	
		For Half Day Usage, Deduct	*-120.56*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	975.84	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,326.14	
		For >6 Months (>26 Weeks), Deduct	*-93.05*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	857.83	
		For Half Day Usage, Deduct	*-268.07*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,065.15	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,147.00	
		For >6 Months (>26 Weeks), Deduct	*-205.88*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,032.58	
		For Half Day Usage, Deduct	*-322.68*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,541.73	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	6,240.85	
		For >6 Months (>26 Weeks), Deduct	*-249.63*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,032.58	
		For Half Day Usage, Deduct	*-322.68*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,541.73	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	6,240.85	
		For >6 Months (>26 Weeks), Deduct	*-249.63*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,202.78	
		For Half Day Usage, Deduct	*-375.87*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,696.05	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	7,189.46	
		For >6 Months (>26 Weeks), Deduct	*-287.58*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,497.80	
		For Half Day Usage, Deduct	*-468.06*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,370.06	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	8,986.82	
		For >6 Months (>26 Weeks), Deduct	*-359.47*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	98.30	
		For Half Day Usage, Deduct	*-30.72*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	403.72	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,219.93	
		For >6 Months (>26 Weeks), Deduct	*-48.80*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	14.13	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	28.51	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	134.46	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	62.81	
		For Half Day Usage, Deduct	*-19.63*	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	261.10	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	722.74	
		For >6 Months (>26 Weeks), Deduct	*-28.91*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	79.46	
		For Half Day Usage, Deduct	*-24.83*	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	329.21	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	964.92	
		For >6 Months (>26 Weeks), Deduct	*-38.60*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	102.17	
		For Half Day Usage, Deduct	*-31.93*	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	435.16	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,218.45	
		For >6 Months (>26 Weeks), Deduct	*-48.74*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	18.67	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	24.73	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	225.28	

01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator	4,471.17	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,593.92*	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator	18,933.65	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0179	MO	10' Wide Paving Machine With Full-Time Operator	71,617.08	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,955.58*	

01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

01 22 23 00-0181	DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,402.23	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-634.88*	
01 22 23 00-0182	WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,313.28	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0183	MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,628.04	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-116.02*	
01 22 23 00-0184	DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,538.57	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-677.49*	
01 22 23 00-0185	WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,327.19	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0186	MO	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	27,158.82	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-177.25*	
01 22 23 00-0187	DAY	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,544.77	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-679.42*	
01 22 23 00-0188	WK	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,924.35	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0189	MO	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	27,456.30	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-189.15*	

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0191	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,458.01	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-652.31*	
01 22 23 00-0192	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,378.97	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0193	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,006.09	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-131.14*	
01 22 23 00-0194	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,718.30	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-733.65*	
01 22 23 00-0195	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,905.76	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0196	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,667.02	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-197.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0197	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,780.27	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-753.02*	
01 22 23 00-0198	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,296.20	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0199	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,757.78	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-241.21*	

01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0201	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	117.75	
		For Half Day Usage, Deduct	*-36.80*	
01 22 23 00-0202	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	340.86	
01 22 23 00-0203	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	1,004.00	
		For >6 Months (>26 Weeks), Deduct	*-40.16*	
01 22 23 00-0204	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	148.74	
		For Half Day Usage, Deduct	*-46.48*	
01 22 23 00-0205	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	415.23	
01 22 23 00-0206	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,766.29	
		For >6 Months (>26 Weeks), Deduct	*-70.65*	

01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

01 22 23 00-0208	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,488.99	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-661.99*	
01 22 23 00-0209	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,645.47	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0210	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,879.93	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-166.09*	
01 22 23 00-0211	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,625.34	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-704.60*	
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	7,017.31	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,908.72	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-207.24*	

01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

01 22 23 00-0215	DAY	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,290.67	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-600.02*	
01 22 23 00-0216	WK	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	5,951.35	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0217	MO	1 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	24,586.86	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-74.37*	
01 22 23 00-0218	DAY	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,383.63	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-629.07*	
01 22 23 00-0219	WK	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,230.23	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0220	MO	3 Ton, Double Smooth Drums, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,330.56	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-104.12*	
01 22 23 00-0221	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,445.61	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-648.44*	
01 22 23 00-0222	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,416.16	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0223	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,826.36	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-123.95*	
01 22 23 00-0224	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,526.18	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-673.61*	
01 22 23 00-0225	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,651.66	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0226	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,439.91	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-148.49*	
01 22 23 00-0227	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,687.31	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-723.97*	
01 22 23 00-0228	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,122.67	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0229	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,685.61	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-198.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0230		**Steel Roadway Plates** *(01 22 23 00-0174)* Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0231 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0231	EA	Placement And Removal Of Steel Roadway Plates	61.87	
01 22 23 00-0232	DAY	1" x 4' x 8' Steel Plate	46.44	
01 22 23 00-0233	WK	1" x 4' x 8' Steel Plate	109.66	
01 22 23 00-0234	MO	1" x 4' x 8' Steel Plate	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0235	DAY	1" x 4' x 10' Steel Plate	61.92	
01 22 23 00-0236	WK	1" x 4' x 10' Steel Plate	139.33	
01 22 23 00-0237	MO	1" x 4' x 10' Steel Plate	170.29	
		For >6 Months (>26 Weeks), Deduct	*-6.81*	
01 22 23 00-0238	DAY	1" x 5' x 10' Steel Plate	64.50	
01 22 23 00-0239	WK	1" x 5' x 10' Steel Plate	145.78	
01 22 23 00-0240	MO	1" x 5' x 10' Steel Plate	387.03	
		For >6 Months (>26 Weeks), Deduct	*-15.48*	
01 22 23 00-0241	DAY	1" x 6' x 8' Steel Plate	41.28	
01 22 23 00-0242	WK	1" x 6' x 8' Steel Plate	92.89	
01 22 23 00-0243	MO	1" x 6' x 8' Steel Plate	247.70	
		For >6 Months (>26 Weeks), Deduct	*-9.91*	
01 22 23 00-0244	DAY	1" x 6' x 10' Steel Plate	77.41	
01 22 23 00-0245	WK	1" x 6' x 10' Steel Plate	101.92	
01 22 23 00-0246	MO	1" x 6' x 10' Steel Plate	272.21	
		For >6 Months (>26 Weeks), Deduct	*-10.89*	
01 22 23 00-0247	DAY	1" x 6' x 12' Steel Plate	108.37	
01 22 23 00-0248	WK	1" x 6' x 12' Steel Plate	138.69	
01 22 23 00-0249	MO	1" x 6' x 12' Steel Plate	375.42	
		For >6 Months (>26 Weeks), Deduct	*-15.02*	
01 22 23 00-0250	DAY	1" x 8' x 10' Steel Plate	68.38	
01 22 23 00-0251	WK	1" x 8' x 10' Steel Plate	153.52	
01 22 23 00-0252	MO	1" x 8' x 10' Steel Plate	408.96	
		For >6 Months (>26 Weeks), Deduct	*-16.36*	
01 22 23 00-0253	DAY	1" x 8' x 12' Steel Plate	123.85	
01 22 23 00-0254	WK	1" x 8' x 12' Steel Plate	153.52	
01 22 23 00-0255	MO	1" x 8' x 12' Steel Plate	743.10	
		For >6 Months (>26 Weeks), Deduct	*-29.72*	
01 22 23 00-0256	DAY	1" x 8' x 16' Steel Plate	165.13	
01 22 23 00-0257	WK	1" x 8' x 16' Steel Plate	371.55	
01 22 23 00-0258	MO	1" x 8' x 16' Steel Plate	990.80	
		For >6 Months (>26 Weeks), Deduct	*-39.63*	
01 22 23 00-0259	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.70	
01 22 23 00-0260	EA	Removal And Resetting Of Steel Roadway Plate	34.37	
01 22 23 00-0261	DAY	1-1/4" x 8' x 10' Steel Plate	82.05	
01 22 23 00-0262	WK	1-1/4" x 8' x 10' Steel Plate	184.23	
01 22 23 00-0263	MO	1-1/4" x 8' x 10' Steel Plate	490.75	
		For >6 Months (>26 Weeks), Deduct	*-19.63*	
01 22 23 00-0264	DAY	1-1/2" x 8' x 15' Steel Plate	189.90	
01 22 23 00-0265	WK	1-1/2" x 8' x 15' Steel Plate	427.28	
01 22 23 00-0266	MO	1-1/2" x 8' x 15' Steel Plate	1,139.42	
		For >6 Months (>26 Weeks), Deduct	*-45.58*	
01 22 23 00-0267		**Street Sweepers** *(01 22 23 00-0174)* Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0268	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	1,216.98	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-568.65*	
01 22 23 00-0269	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	5,864.51	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0270	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	24,764.14	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-119.98*	
01 22 23 00-0271	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,824.58	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-1,071.03*	
01 22 23 00-0272	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	12,312.86	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0273	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	47,781.77	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-1,040.69*	
01 22 23 00-0274		**Concrete Deck Bridge Finishers** *(01 22 23 00-0174)* Note: Includes full-time operator.		
01 22 23 00-0275	WK	Concrete Bridge Deck Finisher With Full-Time Operator	7,831.40	
		For Equipment Without Operator, Deduct	*-5,244.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0276	MO	Concrete Bridge Deck Finisher With Full-Time Operator	31,981.28	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-370.15*	
01 22 23 00-0277	EA	Concrete Bridge Deck Finisher Delivery, Set-up And Removal	5,195.92	
		For Equipment Without Operator, Deduct	*-5,195.92*	

01 22 23 00-0278 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0279 Skid-Steer Loaders *(01 22 23 00-0278)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0280	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,364.12	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-614.64*	
01 22 23 00-0281	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	5,965.97	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0282	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	24,036.50	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-90.88*	
01 22 23 00-0283	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,458.91	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-644.26*	
01 22 23 00-0284	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,137.50	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0285	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,412.65	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-105.92*	
01 22 23 00-0286	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,485.99	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-652.72*	
01 22 23 00-0287	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,384.25	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0288	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	25,067.15	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-132.10*	
01 22 23 00-0289	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,591.31	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-685.63*	
01 22 23 00-0290	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,730.31	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0291	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,210.64	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-177.84*	
01 22 23 00-0292	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,771.87	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-742.06*	
01 22 23 00-0293	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,414.90	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0294	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	27,895.79	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-245.25*	
01 22 23 00-0295	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	300.92	
		For Half Day Usage, Deduct	*-94.04*	
01 22 23 00-0296	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,000.56	
01 22 23 00-0297	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,663.14	
		For >6 Months (>26 Weeks), Deduct	*-106.53*	
01 22 23 00-0298	DAY	Forklift Attachment For Skid-Steer Loaders	64.70	
		For Half Day Usage, Deduct	*-20.22*	
01 22 23 00-0299	WK	Forklift Attachment For Skid-Steer Loaders	173.03	
01 22 23 00-0300	MO	Forklift Attachment For Skid-Steer Loaders	489.00	
		For >6 Months (>26 Weeks), Deduct	*-19.56*	
01 22 23 00-0301	DAY	Backhoe Attachment For Skid-Steer Loaders	142.94	
		For Half Day Usage, Deduct	*-44.67*	
01 22 23 00-0302	WK	Backhoe Attachment For Skid-Steer Loaders	343.05	
01 22 23 00-0303	MO	Backhoe Attachment For Skid-Steer Loaders	853.11	
		For >6 Months (>26 Weeks), Deduct	*-34.12*	
01 22 23 00-0304	DAY	Broom Attachment For Skid-Steer Loaders	141.43	
		For Half Day Usage, Deduct	*-44.20*	
01 22 23 00-0305	WK	Broom Attachment For Skid-Steer Loaders	383.67	
01 22 23 00-0306	MO	Broom Attachment For Skid-Steer Loaders	1,015.60	
		For >6 Months (>26 Weeks), Deduct	*-40.62*	
01 22 23 00-0307	DAY	Concrete Pump Attachment For Skid-Steer Loaders	300.92	
		For Half Day Usage, Deduct	*-94.04*	
01 22 23 00-0308	WK	Concrete Pump Attachment For Skid-Steer Loaders	1,000.56	
01 22 23 00-0309	MO	Concrete Pump Attachment For Skid-Steer Loaders	2,663.14	
		For >6 Months (>26 Weeks), Deduct	*-106.53*	
01 22 23 00-0310	DAY	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	123.38	
		For Half Day Usage, Deduct	*-38.56*	
01 22 23 00-0311	WK	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	340.04	
01 22 23 00-0312	MO	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	928.34	
		For >6 Months (>26 Weeks), Deduct	*-37.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0313	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	34.00	
		For Half Day Usage, Deduct	*-10.63*	
01 22 23 00-0314	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	88.97	
01 22 23 00-0315	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	261.66	
		For >6 Months (>26 Weeks), Deduct	*-10.47*	
01 22 23 00-0316	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	45.78	
		For Half Day Usage, Deduct	*-14.31*	
01 22 23 00-0317	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	113.82	
01 22 23 00-0318	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	340.18	
		For >6 Months (>26 Weeks), Deduct	*-13.61*	
01 22 23 00-0319	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	66.71	
		For Half Day Usage, Deduct	*-20.85*	
01 22 23 00-0320	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	202.80	
01 22 23 00-0321	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	601.84	
		For >6 Months (>26 Weeks), Deduct	*-24.07*	
01 22 23 00-0322	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	13.54	
		For Half Day Usage, Deduct	*-4.23*	
01 22 23 00-0323	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	31.60	
01 22 23 00-0324	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	84.26	
		For >6 Months (>26 Weeks), Deduct	*-3.37*	

01 22 23 00-0325 Bulldozers *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0326	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,455.00	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-651.37*	
01 22 23 00-0327	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,845.98	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0328	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,477.43	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-189.99*	
01 22 23 00-0329	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,646.53	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-711.22*	
01 22 23 00-0330	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,619.74	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0331	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	29,852.34	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-284.99*	
01 22 23 00-0332	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,190.46	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-881.20*	
01 22 23 00-0333	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,795.46	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0334	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,364.19	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-545.46*	
01 22 23 00-0335	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,673.10	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,032.03*	
01 22 23 00-0336	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,733.70	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0337	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,186.55	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-778.36*	
01 22 23 00-0338	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,247.68	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,211.58*	
01 22 23 00-0339	WK	335 HP, D8 Bulldozer With Full-Time Operator	14,032.00	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0340	MO	335 HP, D8 Bulldozer With Full-Time Operator	49,081.45	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,054.15*	
01 22 23 00-0341	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,569.44	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,312.13*	
01 22 23 00-0342	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,311.38	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0343	MO	460 HP, D9 Bulldozer With Full-Time Operator	52,911.95	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,207.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0344 Trail Dozer *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0345	DAY	48" Width Trail Dozer With Full-Time Operator	1,666.93
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-717.60*
01 22 23 00-0346	WK	48" Width Trail Dozer With Full-Time Operator	7,192.76
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0347	MO	48" Width Trail Dozer With Full-Time Operator	27,684.76
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-198.29*

01 22 23 00-0348 Hydraulic Excavators *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0349	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,411.69
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-637.84*
01 22 23 00-0350	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,527.78
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0351	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	27,026.49
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-171.96*
01 22 23 00-0352	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,513.79
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-669.74*
01 22 23 00-0353	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,977.82
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0354	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	28,826.65
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-243.96*
01 22 23 00-0355	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,546.03
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-679.82*
01 22 23 00-0356	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	7,145.74
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0357	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	29,122.19
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-255.78*
01 22 23 00-0358	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,579.61
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-690.31*
01 22 23 00-0359	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,300.23
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0360	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	29,417.74
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-267.61*
01 22 23 00-0361	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,606.48
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-698.71*
01 22 23 00-0362	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,461.44
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0363	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	29,713.29
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-279.43*
01 22 23 00-0364	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,969.20
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-812.06*
01 22 23 00-0365	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,905.59
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0366	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,709.91
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-439.29*
01 22 23 00-0367	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,022.93
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-828.85*
01 22 23 00-0368	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,140.69
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0369	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	34,415.19
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-467.50*
01 22 23 00-0370	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,123.69
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-860.34*
01 22 23 00-0371	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,543.71
		For Equipment Without Operator, Deduct	*-5,244.83*
01 22 23 00-0372	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,624.25
		For Equipment Without Operator, Deduct	*-22,727.61*
		For >6 Months (>26 Weeks), Deduct	*-515.87*
01 22 23 00-0373	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,237.88
		For Equipment Without Operator, Deduct	*-1,048.97*
		For Half Day Usage, Deduct	*-896.02*
01 22 23 00-0374	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	9,993.75
		For Equipment Without Operator, Deduct	*-5,244.83*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0375	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	36,967.65	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-569.60*	
01 22 23 00-0376	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,271.46	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-906.51*	
01 22 23 00-0377	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,128.09	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0378	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	37,370.67	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-585.72*	
01 22 23 00-0379	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,593.88	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,007.27*	
01 22 23 00-0380	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,424.47	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0381	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	41,266.53	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-741.56*	
01 22 23 00-0382	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,057.35	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,152.10*	
01 22 23 00-0383	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,264.93	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0384	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	46,774.47	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-961.87*	
01 22 23 00-0385	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,628.30	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,330.53*	
01 22 23 00-0386	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,548.71	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0387	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	53,625.81	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,235.93*	
01 22 23 00-0388	DAY	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	2,150.56	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-868.73*	
01 22 23 00-0389	WK	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	9,637.75	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0390	MO	Up To 50' Depth, 50,000 Lb. Operating Weight, Long-Arm Hydraulic Excavator With Full-Time Operator	35,892.93	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-526.61*	
01 22 23 00-0391	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	94.04	
		For Half Day Usage, Deduct	*-29.39*	
01 22 23 00-0392	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	362.72	
01 22 23 00-0393	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,074.72	
		For >6 Months (>26 Weeks), Deduct	*-42.99*	
01 22 23 00-0394	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	416.45	
		For Half Day Usage, Deduct	*-130.14*	
01 22 23 00-0395	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,101.59	
01 22 23 00-0396	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,083.10	
		For >6 Months (>26 Weeks), Deduct	*-123.32*	
01 22 23 00-0397	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	644.83	
		For Half Day Usage, Deduct	*-201.51*	
01 22 23 00-0398	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,645.66	
01 22 23 00-0399	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,278.73	
		For >6 Months (>26 Weeks), Deduct	*-171.15*	
01 22 23 00-0400	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	900.08	
		For Half Day Usage, Deduct	*-281.28*	
01 22 23 00-0401	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,424.84	
01 22 23 00-0402	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	6,797.60	
		For >6 Months (>26 Weeks), Deduct	*-271.90*	
01 22 23 00-0403	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	188.08	
		For Half Day Usage, Deduct	*-58.78*	
01 22 23 00-0404	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	752.30	
01 22 23 00-0405	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,256.91	
		For >6 Months (>26 Weeks), Deduct	*-90.28*	
01 22 23 00-0406	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	268.68	
		For Half Day Usage, Deduct	*-83.96*	
01 22 23 00-0407	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,074.72	
01 22 23 00-0408	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,224.16	
		For >6 Months (>26 Weeks), Deduct	*-128.97*	
01 22 23 00-0409	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	295.55	
		For Half Day Usage, Deduct	*-92.36*	
01 22 23 00-0410	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,168.76	
01 22 23 00-0411	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,492.84	
		For >6 Months (>26 Weeks), Deduct	*-139.71*	

01 22 23 00-0412 Mini-Excavators *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0413	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,331.08	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-612.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0414	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,044.15	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0415	MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	24,487.46	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-70.39*	
01 22 23 00-0416	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,337.80	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-614.74*	
01 22 23 00-0417	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,064.30	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0418	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,910.63	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-87.32*	
01 22 23 00-0419	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,371.39	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-625.24*	
01 22 23 00-0420	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,158.34	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0421	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,971.09	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-89.74*	
01 22 23 00-0422	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,384.82	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-629.44*	
01 22 23 00-0423	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,205.36	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0424	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,997.96	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-90.81*	
01 22 23 00-0425	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,465.42	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-654.63*	
01 22 23 00-0426	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,272.53	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0427	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,777.13	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-121.98*	
01 22 23 00-0428	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,472.14	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-656.73*	
01 22 23 00-0429	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,608.38	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0430	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,810.71	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-123.32*	

01 22 23 00-0431 Loader-Backhoes With Standard Bucket *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0432	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,502.77	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-666.30*	
01 22 23 00-0433	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,322.60	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0434	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	25,264.01	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-101.46*	
01 22 23 00-0435	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,551.39	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-681.49*	
01 22 23 00-0436	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,492.77	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0437	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	26,301.25	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-142.95*	
01 22 23 00-0438	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,626.34	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-704.91*	
01 22 23 00-0439	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,679.15	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0440	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	26,836.08	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-164.34*	
01 22 23 00-0441	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,960.61	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-809.37*	
01 22 23 00-0442	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,675.88	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0443	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	29,688.52	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-278.44*	

01 22 23 00-0444 Heavy-Duty Construction Loaders *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0445	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,498.87	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-665.08*	
01 22 23 00-0446	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,023.66	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0447	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,057.17	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-213.18*	
01 22 23 00-0448	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,872.63	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-781.88*	
01 22 23 00-0449	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,432.02	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0450	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,264.81	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-221.49*	
01 22 23 00-0451	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,955.69	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-807.84*	
01 22 23 00-0452	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,653.51	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0453	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,818.53	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-243.64*	
01 22 23 00-0454	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,184.10	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-879.21*	
01 22 23 00-0455	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,255.68	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0456	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	30,341.26	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-304.55*	
01 22 23 00-0457	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,772.42	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,063.06*	
01 22 23 00-0458	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,124.80	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0459	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	43,353.68	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-825.04*	
01 22 23 00-0460	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,648.39	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-2,274.30*	
01 22 23 00-0461	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	23,427.42	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0462	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	72,280.08	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,982.10*	

01 22 23 00-0463 Shoring *(01 22 23 00-0278)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0464 Aluminum Hydraulic Shoring *(01 22 23 00-0463)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0465	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	157.07
01 22 23 00-0466	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	463.29
		For >6 Months (>26 Weeks), Deduct	*-18.53*
01 22 23 00-0467	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	210.71
01 22 23 00-0468	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	621.49
		For >6 Months (>26 Weeks), Deduct	*-24.86*
01 22 23 00-0469	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	390.70
01 22 23 00-0470	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	1,152.57
		For >6 Months (>26 Weeks), Deduct	*-46.10*
01 22 23 00-0471	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	29.97
01 22 23 00-0472	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	47.96
01 22 23 00-0473	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	79.92

01 22 23 00-0474 Slide Rail Shoring *(01 22 23 00-0463)*

Note: Excludes delivery to job site and pick-up when complete.

01 22 23 00-0475	WK	4' x 12' Slide Rail Panel	235.83
01 22 23 00-0476	MO	4' x 12' Slide Rail Panel	707.49
01 22 23 00-0477	WK	8' x 12' Slide Rail Panel	385.34
01 22 23 00-0478	MO	8' x 12' Slide Rail Panel	1,156.02
01 22 23 00-0479	WK	4' x 16' Slide Rail Panel	307.53
01 22 23 00-0480	MO	4' x 16' Slide Rail Panel	922.59
01 22 23 00-0481	WK	8' x 16' Slide Rail Panel	503.20
01 22 23 00-0482	MO	8' x 16' Slide Rail Panel	1,509.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0483	WK	4' x 20' Slide Rail Panel	394.55	
01 22 23 00-0484	MO	4' x 20' Slide Rail Panel	1,183.65	
01 22 23 00-0485	WK	8' x 20' Slide Rail Panel	694.97	
01 22 23 00-0486	MO	8' x 20' Slide Rail Panel	2,084.91	
01 22 23 00-0487	WK	14' Stacking Post	352.49	
01 22 23 00-0488	MO	14' Stacking Post	1,057.48	
01 22 23 00-0489	WK	Stacking Brackets	11.02	
01 22 23 00-0490	MO	Stacking Brackets	33.05	
01 22 23 00-0491	EA	Set Up And Remove 4' x 12' Slide Rail Panel	274.99	
01 22 23 00-0492	EA	Set Up And Remove 8' x 12' Slide Rail Panel	412.48	
01 22 23 00-0493	EA	Set Up And Remove 4' x 16' Slide Rail Panel	412.48	
01 22 23 00-0494	EA	Set Up And Remove 8' x 16' Slide Rail Panel	549.98	
01 22 23 00-0495	EA	Set Up And Remove 4' x 20' Slide Rail Panel	549.98	
01 22 23 00-0496	EA	Set Up And Remove 8' x 20' Slide Rail Panel	687.48	
01 22 23 00-0497	EA	Set Up And Remove 14' Stacking Post	412.48	
01 22 23 00-0498	EA	Set Up And Remove Stacking Brackets	137.49	
01 22 23 00-0499	EA	Stacking Brackets Rigging Tub	2,065.39	

01 22 23 00-0500 Tractors *(01 22 23 00-0278)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0501	DAY	20 To 29 HP Tractor	495.26	
		For Half Day Usage, Deduct	*-154.77*	
01 22 23 00-0502	WK	20 To 29 HP Tractor	1,192.30	
01 22 23 00-0503	MO	20 To 29 HP Tractor	3,219.21	
		For >6 Months (>26 Weeks), Deduct	*-128.77*	
01 22 23 00-0504	DAY	30 To 35 HP Tractor	513.17	
		For Half Day Usage, Deduct	*-160.37*	
01 22 23 00-0505	WK	30 To 35 HP Tractor	1,321.14	
01 22 23 00-0506	MO	30 To 35 HP Tractor	3,657.70	
		For >6 Months (>26 Weeks), Deduct	*-146.31*	
01 22 23 00-0507	DAY	40 To 45 HP Tractor	524.09	
		For Half Day Usage, Deduct	*-163.78*	
01 22 23 00-0508	WK	40 To 45 HP Tractor	1,408.49	
01 22 23 00-0509	MO	40 To 45 HP Tractor	3,865.15	
		For >6 Months (>26 Weeks), Deduct	*-154.61*	
01 22 23 00-0510	DAY	80 To 89 HP Tractor	674.76	
		For Half Day Usage, Deduct	*-210.86*	
01 22 23 00-0511	WK	80 To 89 HP Tractor	1,913.58	
01 22 23 00-0512	MO	80 To 89 HP Tractor	5,479.12	
		For >6 Months (>26 Weeks), Deduct	*-219.16*	
01 22 23 00-0513	DAY	60" Rotary Mower Attachment For Tractors	211.82	
		For Half Day Usage, Deduct	*-66.19*	
01 22 23 00-0514	WK	60" Rotary Mower Attachment For Tractors	655.11	
01 22 23 00-0515	DAY	84" Rotary Mower Attachment For Tractors	231.47	
		For Half Day Usage, Deduct	*-72.33*	
01 22 23 00-0516	WK	84" Rotary Mower Attachment For Tractors	709.70	
01 22 23 00-0517	DAY	Under Deck Rotary Mower Attachment For Tractors	42.44	
		For Half Day Usage, Deduct	*-13.26*	
01 22 23 00-0518	WK	Under Deck Rotary Mower Attachment For Tractors	169.77	

01 22 23 00-0519 Trench Boxes/Trench Shields *(01 22 23 00-0278)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0520	WK	4' x 6' Trench Box With Up To 48" Spreaders	301.03	
01 22 23 00-0521	MO	4' x 6' Trench Box With Up To 48" Spreaders	903.08	
		For >6 Months (>26 Weeks), Deduct	*-36.12*	
01 22 23 00-0522	WK	6' x 6' Trench Box With Up To 48" Spreaders	339.87	
01 22 23 00-0523	MO	6' x 6' Trench Box With Up To 48" Spreaders	1,019.60	
		For >6 Months (>26 Weeks), Deduct	*-40.78*	
01 22 23 00-0524	WK	8' x 6' Trench Box With Up To 48" Spreaders	359.29	
01 22 23 00-0525	MO	8' x 6' Trench Box With Up To 48" Spreaders	1,077.87	
		For >6 Months (>26 Weeks), Deduct	*-43.11*	
01 22 23 00-0526	WK	4' x 8' Trench Box With Up To 48" Spreaders	330.16	
01 22 23 00-0527	MO	4' x 8' Trench Box With Up To 48" Spreaders	990.47	
		For >6 Months (>26 Weeks), Deduct	*-39.62*	
01 22 23 00-0528	WK	6' x 8' Trench Box With Up To 48" Spreaders	388.42	
01 22 23 00-0529	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,165.26	
		For >6 Months (>26 Weeks), Deduct	*-46.61*	
01 22 23 00-0530	WK	8' x 8' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0531	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0532	WK	4' x 10' Trench Box With Up To 48" Spreaders	369.00	
01 22 23 00-0533	MO	4' x 10' Trench Box With Up To 48" Spreaders	1,107.00	
		For >6 Months (>26 Weeks), Deduct	*-44.28*	
01 22 23 00-0534	WK	6' x 10' Trench Box With Up To 48" Spreaders	436.97	
01 22 23 00-0535	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0536	WK	8' x 10' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0537	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,592.52	
		For >6 Months (>26 Weeks), Deduct	*-63.70*	
01 22 23 00-0538	WK	4' x 12' Trench Box With Up To 48" Spreaders	436.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0539	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,310.92	
		For >6 Months (>26 Weeks), Deduct	*-52.44*	
01 22 23 00-0540	WK	6' x 12' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0541	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,602.23	
		For >6 Months (>26 Weeks), Deduct	*-64.09*	
01 22 23 00-0542	WK	8' x 12' Trench Box With Up To 48" Spreaders	679.74	
01 22 23 00-0543	MO	8' x 12' Trench Box With Up To 48" Spreaders	2,039.20	
		For >6 Months (>26 Weeks), Deduct	*-81.57*	
01 22 23 00-0544	WK	4' x 14' Trench Box With Up To 48" Spreaders	485.52	
01 22 23 00-0545	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,456.58	
		For >6 Months (>26 Weeks), Deduct	*-58.26*	
01 22 23 00-0546	WK	6' x 14' Trench Box With Up To 48" Spreaders	631.18	
01 22 23 00-0547	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,893.55	
		For >6 Months (>26 Weeks), Deduct	*-75.74*	
01 22 23 00-0548	WK	8' x 14' Trench Box With Up To 48" Spreaders	776.84	
01 22 23 00-0549	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,330.52	
		For >6 Months (>26 Weeks), Deduct	*-93.22*	
01 22 23 00-0550	WK	4' x 16' Trench Box With Up To 48" Spreaders	534.08	
01 22 23 00-0551	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,602.23	
		For >6 Months (>26 Weeks), Deduct	*-64.09*	
01 22 23 00-0552	WK	6' x 16' Trench Box With Up To 48" Spreaders	728.29	
01 22 23 00-0553	MO	6' x 16' Trench Box With Up To 48" Spreaders	2,184.86	
		For >6 Months (>26 Weeks), Deduct	*-87.39*	
01 22 23 00-0554	WK	8' x 16' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0555	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0556	WK	4' x 20' Trench Box With Up To 48" Spreaders	631.18	
01 22 23 00-0557	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,893.55	
		For >6 Months (>26 Weeks), Deduct	*-75.74*	
01 22 23 00-0558	WK	6' x 20' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0559	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0560	WK	8' x 20' Trench Box With Up To 48" Spreaders	1,019.60	
01 22 23 00-0561	MO	8' x 20' Trench Box With Up To 48" Spreaders	3,058.81	
		For >6 Months (>26 Weeks), Deduct	*-122.35*	
01 22 23 00-0562	WK	4' x 24' Trench Box With Up To 48" Spreaders	873.94	
01 22 23 00-0563	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,621.84	
		For >6 Months (>26 Weeks), Deduct	*-104.87*	
01 22 23 00-0564	WK	6' x 24' Trench Box With Up To 48" Spreaders	1,068.16	
01 22 23 00-0565	MO	6' x 24' Trench Box With Up To 48" Spreaders	3,204.46	
		For >6 Months (>26 Weeks), Deduct	*-128.18*	
01 22 23 00-0566	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,165.26	
01 22 23 00-0567	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,495.78	
		For >6 Months (>26 Weeks), Deduct	*-139.83*	
01 22 23 00-0568	WK	For Spreaders >48" To 84", Add	29.13	
01 22 23 00-0569	MO	For Spreaders >48" To 84", Add	87.39	
		For >6 Months (>26 Weeks), Deduct	*-3.50*	
01 22 23 00-0570	WK	For Spreaders >84" To 120", Add	174.79	
01 22 23 00-0571	MO	For Spreaders >84" To 120", Add	524.37	
		For >6 Months (>26 Weeks), Deduct	*-20.97*	
01 22 23 00-0572	WK	For Spreaders >120", Add	369.00	
01 22 23 00-0573	MO	For Spreaders >120", Add	1,107.00	
		For >6 Months (>26 Weeks), Deduct	*-44.28*	
01 22 23 00-0574	WK	8' x 4' Manhole Box	458.82	
01 22 23 00-0575	MO	8' x 4' Manhole Box	1,376.46	
		For >6 Months (>26 Weeks), Deduct	*-55.06*	
01 22 23 00-0576	WK	8' x 8' Manhole Box	655.46	
01 22 23 00-0577	MO	8' x 8' Manhole Box	1,966.38	
		For >6 Months (>26 Weeks), Deduct	*-78.66*	

01 22 23 00-0578 Trenchers *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0579	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,353.91	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-611.44*	
01 22 23 00-0580	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,212.71	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0581	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	25,040.10	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-131.02*	
01 22 23 00-0582	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,943.51	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-795.69*	
01 22 23 00-0583	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,199.87	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0584	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	30,499.35	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-349.39*	

01 22 23 00-0585 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0586	DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,426.62	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,580.00*	
01 22 23 00-0587	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	13,183.38	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0588	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	51,061.43	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,133.35*	

01 22 23 00-0589 Road Graders *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0590	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,384.05	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-941.70*	
01 22 23 00-0591	WK	50 To 60 HP Road Grader With Full-Time Operator	8,716.03	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0592	MO	50 To 60 HP Road Grader With Full-Time Operator	32,073.13	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-373.82*	
01 22 23 00-0593	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,042.68	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,147.52*	
01 22 23 00-0594	WK	80 To 100 HP Road Grader With Full-Time Operator	10,175.71	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0595	MO	80 To 100 HP Road Grader With Full-Time Operator	36,523.39	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-551.83*	
01 22 23 00-0596	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,533.69	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,300.96*	
01 22 23 00-0597	WK	130 To 140 HP Road Grader With Full-Time Operator	11,630.05	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0598	MO	130 To 140 HP Road Grader With Full-Time Operator	41,885.94	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-766.33*	
01 22 23 00-0599	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,279.85	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,534.14*	
01 22 23 00-0600	WK	170 To 185 HP Road Grader With Full-Time Operator	18,168.36	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0601	MO	170 To 185 HP Road Grader With Full-Time Operator	67,959.91	
		For Equipment Without Operator, Deduct	*-22,727.57*	
		For >6 Months (>26 Weeks), Deduct	*-1,809.29*	

01 22 23 00-0602 Motor Scraper *(01 22 23 00-0278)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0603	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,348.44	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-930.57*	
01 22 23 00-0604	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,442.72	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0605	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	38,303.49	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-623.04*	
01 22 23 00-0606	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,873.57	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,094.67*	
01 22 23 00-0607	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,543.24	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0608	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	44,622.84	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-875.81*	
01 22 23 00-0609	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,380.90	
		For Equipment Without Operator, Deduct	*-1,048.97*	
		For Half Day Usage, Deduct	*-1,253.21*	
01 22 23 00-0610	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,563.65	
		For Equipment Without Operator, Deduct	*-5,244.83*	
01 22 23 00-0611	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	50,675.18	
		For Equipment Without Operator, Deduct	*-22,727.61*	
		For >6 Months (>26 Weeks), Deduct	*-1,117.90*	

01 22 23 00-0612 Portable Sediment Tank *(01 22 23 00-0278)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0613	WK	Portable Sediment Tank	212.21	
01 22 23 00-0614	MO	Portable Sediment Tank	622.49	
		For >6 Months (>26 Weeks), Deduct	*-24.90*	

01 22 23 00-0615 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0278)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0278 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0616	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	28.12	
		For Half Day Usage, Deduct	*-8.79*	
01 22 23 00-0617	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	66.94	
01 22 23 00-0618	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	140.58	
		For >6 Months (>26 Weeks), Deduct	*-5.62*	
01 22 23 00-0619	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	29.52	
		For Half Day Usage, Deduct	*-9.23*	
01 22 23 00-0620	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	70.29	
01 22 23 00-0621	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	147.61	
		For >6 Months (>26 Weeks), Deduct	*-5.90*	
01 22 23 00-0622	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.90	
		For Half Day Usage, Deduct	*-7.47*	
01 22 23 00-0623	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	56.23	
01 22 23 00-0624	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	119.49	
		For >6 Months (>26 Weeks), Deduct	*-4.78*	
01 22 23 00-0625	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	26.71	
		For Half Day Usage, Deduct	*-8.35*	
01 22 23 00-0626	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	63.26	
01 22 23 00-0627	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	133.55	
		For >6 Months (>26 Weeks), Deduct	*-5.34*	
01 22 23 00-0628	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	29.52	
		For Half Day Usage, Deduct	*-9.23*	
01 22 23 00-0629	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	70.29	
01 22 23 00-0630	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	147.61	
		For >6 Months (>26 Weeks), Deduct	*-5.90*	
01 22 23 00-0631	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	32.33	
		For Half Day Usage, Deduct	*-10.10*	
01 22 23 00-0632	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	76.98	
01 22 23 00-0633	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	161.67	
		For >6 Months (>26 Weeks), Deduct	*-6.47*	
01 22 23 00-0634	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	25.30	
		For Half Day Usage, Deduct	*-7.91*	
01 22 23 00-0635	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	70.29	
01 22 23 00-0636	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	126.52	
		For >6 Months (>26 Weeks), Deduct	*-5.06*	
01 22 23 00-0637	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.52	
		For Half Day Usage, Deduct	*-9.23*	
01 22 23 00-0638	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	70.29	
01 22 23 00-0639	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	147.61	
		For >6 Months (>26 Weeks), Deduct	*-5.90*	
01 22 23 00-0640	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	35.14	
		For Half Day Usage, Deduct	*-10.98*	
01 22 23 00-0641	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	77.32	
01 22 23 00-0642	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	175.72	
		For >6 Months (>26 Weeks), Deduct	*-7.03*	
01 22 23 00-0643	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	37.96	
		For Half Day Usage, Deduct	*-11.86*	
01 22 23 00-0644	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	90.37	
01 22 23 00-0645	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	189.78	
		For >6 Months (>26 Weeks), Deduct	*-7.59*	
01 22 23 00-0646	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	40.77	
		For Half Day Usage, Deduct	*-12.74*	
01 22 23 00-0647	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.07	
01 22 23 00-0648	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	203.84	
		For >6 Months (>26 Weeks), Deduct	*-8.15*	
01 22 23 00-0649	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	42.17	
		For Half Day Usage, Deduct	*-13.18*	
01 22 23 00-0650	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	100.41	
01 22 23 00-0651	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	210.87	
		For >6 Months (>26 Weeks), Deduct	*-8.43*	
01 22 23 00-0652	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.52	
		For Half Day Usage, Deduct	*-4.23*	
01 22 23 00-0653	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	33.81	
01 22 23 00-0654	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	101.43	
		For >6 Months (>26 Weeks), Deduct	*-4.06*	
01 22 23 00-0655	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.17	
		For Half Day Usage, Deduct	*-5.05*	
01 22 23 00-0656	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.42	
01 22 23 00-0657	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	121.25	
		For >6 Months (>26 Weeks), Deduct	*-4.85*	
01 22 23 00-0658	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.46	
		For Half Day Usage, Deduct	*-5.77*	
01 22 23 00-0659	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	46.16	
01 22 23 00-0660	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	138.47	
		For >6 Months (>26 Weeks), Deduct	*-5.54*	
01 22 23 00-0661	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.68	
		For Half Day Usage, Deduct	*-6.15*	
01 22 23 00-0662	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.20	
01 22 23 00-0663	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	147.61	
		For >6 Months (>26 Weeks), Deduct	*-5.90*	
01 22 23 00-0664	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.49	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-0665	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0666	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	168.70	
		For >6 Months (>26 Weeks), Deduct	*-6.75*	
01 22 23 00-0667	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.85	
		For Half Day Usage, Deduct	*-8.08*	
01 22 23 00-0668	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	64.62	
01 22 23 00-0669	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	193.86	
		For >6 Months (>26 Weeks), Deduct	*-7.75*	
01 22 23 00-0670	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.89	
		For Half Day Usage, Deduct	*-6.22*	
01 22 23 00-0671	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	49.72	
01 22 23 00-0672	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	149.16	
		For >6 Months (>26 Weeks), Deduct	*-5.97*	
01 22 23 00-0673	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.93	
		For Half Day Usage, Deduct	*-8.42*	
01 22 23 00-0674	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	67.31	
01 22 23 00-0675	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	201.94	
		For >6 Months (>26 Weeks), Deduct	*-8.08*	
01 22 23 00-0676	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	23.28	
		For Half Day Usage, Deduct	*-7.28*	
01 22 23 00-0677	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	58.20	
01 22 23 00-0678	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	174.60	
		For >6 Months (>26 Weeks), Deduct	*-6.98*	
01 22 23 00-0679	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	38.83	
		For Half Day Usage, Deduct	*-12.13*	
01 22 23 00-0680	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	97.07	
01 22 23 00-0681	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	291.20	
		For >6 Months (>26 Weeks), Deduct	*-11.65*	
01 22 23 00-0682	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.39	
		For Half Day Usage, Deduct	*-12.93*	
01 22 23 00-0683	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	103.47	
01 22 23 00-0684	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	310.40	
		For >6 Months (>26 Weeks), Deduct	*-12.42*	

01 22 23 00-0685 Truck Mounted Vacuum Excavator *(01 22 23 00-0278)*

Note: Includes driver, delivery, and removal.

01 22 23 00-0686	DAY	Truck Mounted Vacuum Excavator With Full-time Operator	8,684.65	
		For Half Day Usage, Deduct	*-2,910.64*	

01 22 23 00-0687 Electrical Equipment *(01 22 23)*

01 22 23 00-0688 Tripod Mounted Floodlights *(01 22 23 00-0687)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0689	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	66.52	
		For Half Day Usage, Deduct	*-20.79*	
01 22 23 00-0690	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	157.37	
01 22 23 00-0691	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	332.59	
		For >6 Months (>26 Weeks), Deduct	*-13.30*	
01 22 23 00-0692	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	66.52	
		For Half Day Usage, Deduct	*-20.79*	
01 22 23 00-0693	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	194.69	
01 22 23 00-0694	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	575.95	
		For >6 Months (>26 Weeks), Deduct	*-23.04*	
01 22 23 00-0695	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	74.63	
		For Half Day Usage, Deduct	*-23.32*	
01 22 23 00-0696	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	202.80	
01 22 23 00-0697	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	494.83	
		For >6 Months (>26 Weeks), Deduct	*-19.79*	

01 22 23 00-0698 Trailer Mounted Floodlights *(01 22 23 00-0687)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0699	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	186.58	
		For Half Day Usage, Deduct	*-58.31*	
01 22 23 00-0700	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	413.71	
01 22 23 00-0701	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	892.32	
		For >6 Months (>26 Weeks), Deduct	*-35.69*	

01 22 23 00-0702 Generator Sets *(01 22 23 00-0687)*

01 22 23 00-0703 Portable, Gas Powered Generator Sets *(01 22 23 00-0702)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0890 for reimbursable fuel fees.

01 22 23 00-0704	DAY	3.6 KW Gas Powered Generator Set	53.75	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*6.72*	
		For Half Day Usage, Deduct	*-16.80*	
01 22 23 00-0705	WK	3.6 KW Gas Powered Generator Set	193.73	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*24.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0706	MO	3.6 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.54 gallons per hour	537.46	
		For LP Or NG Gas, Add	*67.18*	
		For >6 Months (>26 Weeks), Deduct	*-21.50*	
01 22 23 00-0707	DAY	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	76.24	
		For LP Or NG Gas, Add	*9.53*	
		For Half Day Usage, Deduct	*-23.83*	
01 22 23 00-0708	WK	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	243.73	
		For LP Or NG Gas, Add	*30.47*	
01 22 23 00-0709	MO	5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.75 gallons per hour	556.21	
		For LP Or NG Gas, Add	*69.53*	
		For >6 Months (>26 Weeks), Deduct	*-22.25*	
01 22 23 00-0710	DAY	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	97.49	
		For LP Or NG Gas, Add	*12.19*	
		For Half Day Usage, Deduct	*-30.47*	
01 22 23 00-0711	WK	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	262.48	
		For LP Or NG Gas, Add	*32.81*	
01 22 23 00-0712	MO	6.5 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 0.975 gallons per hour	724.94	
		For LP Or NG Gas, Add	*90.62*	
		For >6 Months (>26 Weeks), Deduct	*-29.00*	
01 22 23 00-0713	DAY	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	108.74	
		For LP Or NG Gas, Add	*13.59*	
		For Half Day Usage, Deduct	*-33.98*	
01 22 23 00-0714	WK	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	293.73	
		For LP Or NG Gas, Add	*36.72*	
01 22 23 00-0715	MO	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	843.68	
		For LP Or NG Gas, Add	*105.46*	
		For >6 Months (>26 Weeks), Deduct	*-33.75*	
01 22 23 00-0716	DAY	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.70 gallons per hour	199.11	
		For LP Or NG Gas, Add	*24.89*	
		For Half Day Usage, Deduct	*-62.22*	
01 22 23 00-0717	WK	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	565.63	
		For LP Or NG Gas, Add	*70.70*	
01 22 23 00-0718	MO	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	1,221.78	
		For LP Or NG Gas, Add	*152.72*	
		For >6 Months (>26 Weeks), Deduct	*-48.87*	

01 22 23 00-0719 Towable, Diesel Powered Generator Sets *(01 22 23 00-0702)*

Note: Includes 24 hour day-tank on sizes up to 180 KW, 40 hour day-tank for sizes greater than 180 KW To 300 KW and 1,000 gallon for sizes greater than 300 KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0890 for reimbursable fuel fees.

01 22 23 00-0720	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	223.73	
		For >8 To 16 Hours Usage Per Day, Add	*89.49*	
		For >16 To 24 Hours Usage Per Day, Add	*178.98*	
		For Tier 4 Diesel Generator, Add	*81.66*	
01 22 23 00-0721	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	584.95	
		For >40 To 80 Hours Usage Per Week, Add	*233.98*	
		For >80 Hours Usage Per Week, Add	*467.96*	
		For Tier 4 Diesel Generator, Add	*213.51*	
01 22 23 00-0722	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,593.62	
		For >160 To 320 Hours Usage Per Month, Add	*637.45*	
		For >320 Hours Usage Per Month, Add	*1,274.90*	
		For >6 Months (>26 Weeks), Deduct	*-63.74*	
		For Tier 4 Diesel Generator, Add	*581.67*	
01 22 23 00-0723	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	387.31	
		For >8 To 16 Hours Usage Per Day, Add	*154.92*	
		For >16 To 24 Hours Usage Per Day, Add	*309.85*	
		For Tier 4 Diesel Generator, Add	*141.37*	
01 22 23 00-0724	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,149.45	
		For >40 To 80 Hours Usage Per Week, Add	*459.78*	
		For >80 Hours Usage Per Week, Add	*919.56*	
		For Tier 4 Diesel Generator, Add	*419.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0725	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set	2,373.86	
		Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*949.54*	
		For >320 Hours Usage Per Month, Add	*1,899.09*	
		For >6 Months (>26 Weeks), Deduct	*-94.95*	
		For Tier 4 Diesel Generator, Add	*866.46*	
01 22 23 00-0726	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set	424.80	
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*169.92*	
		For >16 To 24 Hours Usage Per Day, Add	*339.84*	
		For Tier 4 Diesel Generator, Add	*155.05*	
01 22 23 00-0727	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,186.93	
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*474.77*	
		For >80 Hours Usage Per Week, Add	*949.54*	
		For Tier 4 Diesel Generator, Add	*433.23*	
01 22 23 00-0728	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,623.74	
		Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*1,049.50*	
		For >320 Hours Usage Per Month, Add	*2,098.99*	
		For >6 Months (>26 Weeks), Deduct	*-104.95*	
		For Tier 4 Diesel Generator, Add	*957.67*	
01 22 23 00-0729	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set	456.03	
		Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*182.41*	
		For >16 To 24 Hours Usage Per Day, Add	*364.82*	
		For Tier 4 Diesel Generator, Add	*166.45*	
01 22 23 00-0730	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,249.40	
		Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*499.76*	
		For >80 Hours Usage Per Week, Add	*999.52*	
		For Tier 4 Diesel Generator, Add	*456.03*	
01 22 23 00-0731	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,998.56	
		Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*1,199.42*	
		For >320 Hours Usage Per Month, Add	*2,398.85*	
		For >6 Months (>26 Weeks), Deduct	*-119.94*	
		For Tier 4 Diesel Generator, Add	*1,094.47*	
01 22 23 00-0732	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set	499.76	
		Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*199.90*	
		For >16 To 24 Hours Usage Per Day, Add	*399.81*	
		For Tier 4 Diesel Generator, Add	*182.41*	
01 22 23 00-0733	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,418.07	
		Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*567.23*	
		For >80 Hours Usage Per Week, Add	*1,134.46*	
		For Tier 4 Diesel Generator, Add	*517.60*	
01 22 23 00-0734	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set	3,373.38	
		Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*1,349.35*	
		For >320 Hours Usage Per Month, Add	*2,698.70*	
		For >6 Months (>26 Weeks), Deduct	*-134.94*	
		For Tier 4 Diesel Generator, Add	*1,231.28*	
01 22 23 00-0735	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set	562.23	
		Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*224.89*	
		For >16 To 24 Hours Usage Per Day, Add	*449.78*	
		For Tier 4 Diesel Generator, Add	*205.21*	
01 22 23 00-0736	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,499.28	
		Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*599.71*	
		For >80 Hours Usage Per Week, Add	*1,199.42*	
		For Tier 4 Diesel Generator, Add	*547.24*	
01 22 23 00-0737	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set	3,748.20	
		Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*1,499.28*	
		For >320 Hours Usage Per Month, Add	*2,998.56*	
		For >6 Months (>26 Weeks), Deduct	*-149.93*	
		For Tier 4 Diesel Generator, Add	*1,368.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0738	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	580.97	
		For >8 To 16 Hours Usage Per Day, Add	*232.39*	
		For >16 To 24 Hours Usage Per Day, Add	*464.78*	
		For Tier 4 Diesel Generator, Add	*183.01*	
01 22 23 00-0739	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,561.75	
		For >40 To 80 Hours Usage Per Week, Add	*624.70*	
		For >80 Hours Usage Per Week, Add	*1,249.40*	
		For Tier 4 Diesel Generator, Add	*491.95*	
01 22 23 00-0740	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,247.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,699.18*	
		For >320 Hours Usage Per Month, Add	*3,398.37*	
		For >6 Months (>26 Weeks), Deduct	*-169.92*	
		For Tier 4 Diesel Generator, Add	*1,338.11*	
01 22 23 00-0741	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	655.94	
		For >8 To 16 Hours Usage Per Day, Add	*262.38*	
		For >16 To 24 Hours Usage Per Day, Add	*524.75*	
		For Tier 4 Diesel Generator, Add	*206.62*	
01 22 23 00-0742	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,811.63	
		For >40 To 80 Hours Usage Per Week, Add	*724.65*	
		For >80 Hours Usage Per Week, Add	*1,449.30*	
		For Tier 4 Diesel Generator, Add	*570.66*	
01 22 23 00-0743	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,872.66	
		For >160 To 320 Hours Usage Per Month, Add	*1,949.06*	
		For >320 Hours Usage Per Month, Add	*3,898.13*	
		For >6 Months (>26 Weeks), Deduct	*-194.91*	
		For Tier 4 Diesel Generator, Add	*1,534.89*	
01 22 23 00-0744	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	687.17	
		For >8 To 16 Hours Usage Per Day, Add	*274.87*	
		For >16 To 24 Hours Usage Per Day, Add	*549.74*	
		For Tier 4 Diesel Generator, Add	*216.46*	
01 22 23 00-0745	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,905.34	
		For >40 To 80 Hours Usage Per Week, Add	*762.14*	
		For >80 Hours Usage Per Week, Add	*1,524.27*	
		For Tier 4 Diesel Generator, Add	*600.18*	
01 22 23 00-0746	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,372.42	
		For >160 To 320 Hours Usage Per Month, Add	*2,148.97*	
		For >320 Hours Usage Per Month, Add	*4,297.94*	
		For >6 Months (>26 Weeks), Deduct	*-214.90*	
		For Tier 4 Diesel Generator, Add	*1,692.31*	
01 22 23 00-0747	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	718.40	
		For >8 To 16 Hours Usage Per Day, Add	*287.36*	
		For >16 To 24 Hours Usage Per Day, Add	*574.72*	
		For Tier 4 Diesel Generator, Add	*226.30*	
01 22 23 00-0748	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	2,061.51	
		For >40 To 80 Hours Usage Per Week, Add	*824.60*	
		For >80 Hours Usage Per Week, Add	*1,649.21*	
		For Tier 4 Diesel Generator, Add	*649.38*	
01 22 23 00-0749	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,622.30	
		For >160 To 320 Hours Usage Per Month, Add	*2,248.92*	
		For >320 Hours Usage Per Month, Add	*4,497.84*	
		For >6 Months (>26 Weeks), Deduct	*-224.89*	
		For Tier 4 Diesel Generator, Add	*1,771.02*	
01 22 23 00-0750	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
		For Tier 4 Diesel Generator, Add	*236.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0751	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,186.45	
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
		For Tier 4 Diesel Generator, Add	*688.73*	
01 22 23 00-0752	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,872.18	
		Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
		For Tier 4 Diesel Generator, Add	*1,849.74*	
01 22 23 00-0753	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	749.64	
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
		For Tier 4 Diesel Generator, Add	*236.14*	
01 22 23 00-0754	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,186.45	
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
		For Tier 4 Diesel Generator, Add	*688.73*	
01 22 23 00-0755	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set	5,872.18	
		Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
		For Tier 4 Diesel Generator, Add	*1,849.74*	
01 22 23 00-0756	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,030.76	
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*412.30*	
		For >16 To 24 Hours Usage Per Day, Add	*824.61*	
		For Tier 4 Diesel Generator, Add	*324.69*	
01 22 23 00-0757	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,561.27	
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*1,024.51*	
		For >80 Hours Usage Per Week, Add	*2,049.02*	
		For Tier 4 Diesel Generator, Add	*806.80*	
01 22 23 00-0758	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,496.40	
		Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*2,998.56*	
		For >320 Hours Usage Per Month, Add	*5,997.12*	
		For >6 Months (>26 Weeks), Deduct	*-299.86*	
		For Tier 4 Diesel Generator, Add	*2,361.37*	
01 22 23 00-0759	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,093.22	
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*437.29*	
		For >16 To 24 Hours Usage Per Day, Add	*874.58*	
		For Tier 4 Diesel Generator, Add	*295.17*	
01 22 23 00-0760	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,623.74	
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*1,049.50*	
		For >80 Hours Usage Per Week, Add	*2,098.99*	
		For Tier 4 Diesel Generator, Add	*708.41*	
01 22 23 00-0761	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set	7,746.28	
		Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*3,098.51*	
		For >320 Hours Usage Per Month, Add	*6,197.02*	
		For >6 Months (>26 Weeks), Deduct	*-309.85*	
		For Tier 4 Diesel Generator, Add	*2,091.50*	
01 22 23 00-0762	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set	1,155.70	
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*462.28*	
		For >16 To 24 Hours Usage Per Day, Add	*924.56*	
		For Tier 4 Diesel Generator, Add	*312.04*	
01 22 23 00-0763	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set	2,686.21	
		Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*1,074.48*	
		For >80 Hours Usage Per Week, Add	*2,148.97*	
		For Tier 4 Diesel Generator, Add	*725.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0764	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,996.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,198.46*	
		For >320 Hours Usage Per Month, Add	*6,396.93*	
		For >6 Months (>26 Weeks), Deduct	*-319.85*	
		For Tier 4 Diesel Generator, Add	*2,158.96*	
01 22 23 00-0765	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,193.18	
		For >8 To 16 Hours Usage Per Day, Add	*477.27*	
		For >16 To 24 Hours Usage Per Day, Add	*954.54*	
		For Tier 4 Diesel Generator, Add	*322.16*	
01 22 23 00-0766	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,873.62	
		For >40 To 80 Hours Usage Per Week, Add	*1,149.45*	
		For >80 Hours Usage Per Week, Add	*2,298.90*	
		For Tier 4 Diesel Generator, Add	*775.88*	
01 22 23 00-0767	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,495.92	
		For >160 To 320 Hours Usage Per Month, Add	*3,398.37*	
		For >320 Hours Usage Per Month, Add	*6,796.74*	
		For >6 Months (>26 Weeks), Deduct	*-339.84*	
		For Tier 4 Diesel Generator, Add	*2,293.90*	
01 22 23 00-0768	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,249.40	
		For >8 To 16 Hours Usage Per Day, Add	*499.76*	
		For >16 To 24 Hours Usage Per Day, Add	*999.52*	
		For Tier 4 Diesel Generator, Add	*337.34*	
01 22 23 00-0769	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,248.44	
		For >40 To 80 Hours Usage Per Week, Add	*1,299.38*	
		For >80 Hours Usage Per Week, Add	*2,598.75*	
		For Tier 4 Diesel Generator, Add	*877.08*	
01 22 23 00-0770	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,370.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,748.20*	
		For >320 Hours Usage Per Month, Add	*7,496.40*	
		For >6 Months (>26 Weeks), Deduct	*-374.82*	
		For Tier 4 Diesel Generator, Add	*2,530.04*	
01 22 23 00-0771	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,108.92	
		For >8 To 16 Hours Usage Per Day, Add	*843.57*	
		For >16 To 24 Hours Usage Per Day, Add	*1,687.14*	
		For Tier 4 Diesel Generator, Add	*569.41*	
01 22 23 00-0772	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,452.56	
		For >40 To 80 Hours Usage Per Week, Add	*2,181.02*	
		For >80 Hours Usage Per Week, Add	*4,362.05*	
		For Tier 4 Diesel Generator, Add	*1,472.19*	
01 22 23 00-0773	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,420.00	
		For >160 To 320 Hours Usage Per Month, Add	*5,768.00*	
		For >320 Hours Usage Per Month, Add	*11,536.00*	
		For >6 Months (>26 Weeks), Deduct	*-576.80*	
		For Tier 4 Diesel Generator, Add	*3,893.40*	
01 22 23 00-0774	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,703.75	
		For >8 To 16 Hours Usage Per Day, Add	*1,081.50*	
		For >16 To 24 Hours Usage Per Day, Add	*2,163.00*	
		For Tier 4 Diesel Generator, Add	*730.01*	
01 22 23 00-0775	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	7,029.75	
		For >40 To 80 Hours Usage Per Week, Add	*2,811.90*	
		For >80 Hours Usage Per Week, Add	*5,623.80*	
		For Tier 4 Diesel Generator, Add	*1,898.03*	
01 22 23 00-0776	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,222.50	
		For >160 To 320 Hours Usage Per Month, Add	*6,489.00*	
		For >320 Hours Usage Per Month, Add	*12,978.00*	
		For >6 Months (>26 Weeks), Deduct	*-648.90*	
		For Tier 4 Diesel Generator, Add	*4,380.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0777	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	3,343.64	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,337.46*	
		For >16 To 24 Hours Usage Per Day, Add	*2,674.91*	
		For Tier 4 Diesel Generator, Add	*819.19*	
01 22 23 00-0778	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	8,832.25	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*3,532.90*	
		For >80 Hours Usage Per Week, Add	*7,065.80*	
		For Tier 4 Diesel Generator, Add	*2,163.90*	
01 22 23 00-0779	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set	21,630.00	
		Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*8,652.00*	
		For >320 Hours Usage Per Month, Add	*17,304.00*	
		For >6 Months (>26 Weeks), Deduct	*-865.20*	
		For Tier 4 Diesel Generator, Add	*5,299.35*	
01 22 23 00-0780	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	3,614.01	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,445.60*	
		For >16 To 24 Hours Usage Per Day, Add	*2,891.21*	
		For Tier 4 Diesel Generator, Add	*885.43*	
01 22 23 00-0781	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	8,327.55	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*3,331.02*	
		For >80 Hours Usage Per Week, Add	*6,662.04*	
		For Tier 4 Diesel Generator, Add	*2,040.25*	
01 22 23 00-0782	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set	24,982.65	
		Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*9,993.06*	
		For >320 Hours Usage Per Month, Add	*19,986.12*	
		For >6 Months (>26 Weeks), Deduct	*-999.31*	
		For Tier 4 Diesel Generator, Add	*6,120.75*	
01 22 23 00-0783	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	4,100.69	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*1,640.28*	
		For >16 To 24 Hours Usage Per Day, Add	*3,280.55*	
		For Tier 4 Diesel Generator, Add	*1,004.67*	
01 22 23 00-0784	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	10,715.86	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*4,286.34*	
		For >80 Hours Usage Per Week, Add	*8,572.69*	
		For Tier 4 Diesel Generator, Add	*2,625.39*	
01 22 23 00-0785	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	29,353.71	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*11,741.48*	
		For >320 Hours Usage Per Month, Add	*23,482.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,174.15*	
		For Tier 4 Diesel Generator, Add	*7,191.66*	
01 22 23 00-0786	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set	5,407.50	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*2,163.00*	
		For >16 To 24 Hours Usage Per Day, Add	*4,326.00*	
		For Tier 4 Diesel Generator, Add	*1,000.39*	
01 22 23 00-0787	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set	16,222.50	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*6,489.00*	
		For >80 Hours Usage Per Week, Add	*12,978.00*	
		For Tier 4 Diesel Generator, Add	*3,001.16*	
01 22 23 00-0788	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set	46,513.51	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
		For >160 To 320 Hours Usage Per Month, Add	*18,605.40*	
		For >320 Hours Usage Per Month, Add	*37,210.81*	
		For Tier 4 Diesel Generator, Add	*8,605.00*	
01 22 23 00-0789	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	7,128.89	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
		For >8 To 16 Hours Usage Per Day, Add	*2,851.56*	
		For >16 To 24 Hours Usage Per Day, Add	*5,703.11*	
		For Tier 4 Diesel Generator, Add	*1,318.84*	
01 22 23 00-0790	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set	17,826.72	
		Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
		For >40 To 80 Hours Usage Per Week, Add	*7,130.69*	
		For >80 Hours Usage Per Week, Add	*14,261.38*	
		For Tier 4 Diesel Generator, Add	*3,297.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0791	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	48,667.50	
		For >160 To 320 Hours Usage Per Month, Add	*19,467.00*	
		For >320 Hours Usage Per Month, Add	*38,934.00*	
		For >6 Months (>26 Weeks), Deduct	*-1,946.70*	
		For Tier 4 Diesel Generator, Add	*9,003.49*	
01 22 23 00-0792	EA	Delivery, Set-up, Testing And Pick-up For Up To 160 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	961.01	
01 22 23 00-0793	EA	Delivery, Set-up, Testing And Pick-up For 175 To 300 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,304.07	
01 22 23 00-0794	EA	Delivery, Set-up, Testing And Pick-up For 350 To 450 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,697.12	
01 22 23 00-0795	EA	Delivery, Set-up, Testing And Pick-up For 500 To 750 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,149.25	
01 22 23 00-0796	EA	Delivery, Set-up, Testing And Pick-up For 1,000 To 2,000 KW Towable Generator Set Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,969.43	
01 22 23 00-0797		**Generator Accessories** *(01 22 23 00-0702)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0798		**Step Down Transformer** *(01 22 23 00-0797)*		
01 22 23 00-0799	WK	75 KVA, 480-208 Volt, Step Down Transformer	368.57	
01 22 23 00-0800	MO	75 KVA, 480-208 Volt, Step Down Transformer	1,030.76	
		For >6 Months (>26 Weeks), Deduct	*-41.23*	
01 22 23 00-0801	WK	150 KVA, 480-208 Volt, Step Down Transformer	590.97	
01 22 23 00-0802	MO	150 KVA, 480-208 Volt, Step Down Transformer	1,771.65	
		For >6 Months (>26 Weeks), Deduct	*-70.87*	
01 22 23 00-0803	WK	225 KVA, 480-208 Volt, Step Down Transformer	787.12	
01 22 23 00-0804	MO	225 KVA, 480-208 Volt, Step Down Transformer	2,361.37	
		For >6 Months (>26 Weeks), Deduct	*-94.45*	
01 22 23 00-0805	WK	500 KVA, 480-208 Volt, Step Down Transformer	937.05	
01 22 23 00-0806	MO	500 KVA, 480-208 Volt, Step Down Transformer	2,811.15	
		For >6 Months (>26 Weeks), Deduct	*-112.45*	
01 22 23 00-0807	WK	1,000 KVA, 4,160/480 Volt, Step Down Transformer	1,399.33	
01 22 23 00-0808	MO	1,000 KVA, 4,160/480 Volt, Step Down Transformer	4,179.24	
		For >6 Months (>26 Weeks), Deduct	*-167.17*	
01 22 23 00-0809	WK	1,500 KVA, 4,160/480 Volt, Step Down Transformer	2,273.91	
01 22 23 00-0810	MO	1,500 KVA, 4,160/480 Volt, Step Down Transformer	6,815.48	
		For >6 Months (>26 Weeks), Deduct	*-272.62*	
01 22 23 00-0811	WK	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	2,623.74	
01 22 23 00-0812	MO	2,500 KVA, 480-13,800/4,160 Volt, Step Down Transformer	7,871.22	
		For >6 Months (>26 Weeks), Deduct	*-314.85*	
01 22 23 00-0813		**Portable Panel** *(01 22 23 00-0797)*		
01 22 23 00-0814	WK	100 Amperes, Portable Panel	293.61	
01 22 23 00-0815	MO	100 Amperes, Portable Panel	749.64	
		For >6 Months (>26 Weeks), Deduct	*-29.99*	
01 22 23 00-0816	WK	200 Amperes, Portable Panel	351.08	
01 22 23 00-0817	MO	200 Amperes, Portable Panel	937.05	
		For >6 Months (>26 Weeks), Deduct	*-37.48*	
01 22 23 00-0818	WK	400 Amperes, Portable Panel	374.82	
01 22 23 00-0819	MO	400 Amperes, Portable Panel	1,124.46	
		For >6 Months (>26 Weeks), Deduct	*-44.98*	
01 22 23 00-0820		**Portable Fusible Disconnect** *(01 22 23 00-0797)*		
01 22 23 00-0821	WK	100 - 200 Amperes, Portable Fusible Disconnect	131.19	
01 22 23 00-0822	MO	100 - 200 Amperes, Portable Fusible Disconnect	393.56	
		For >6 Months (>26 Weeks), Deduct	*-15.74*	
01 22 23 00-0823	WK	300 - 400 Amperes, Portable Fusible Disconnect	262.37	
01 22 23 00-0824	MO	300 - 400 Amperes, Portable Fusible Disconnect	787.12	
		For >6 Months (>26 Weeks), Deduct	*-31.48*	
01 22 23 00-0825		**Portable Transfer Switch** *(01 22 23 00-0797)*		
01 22 23 00-0826	WK	100 Amperes, 480 Volt, Portable Transfer Switch	393.56	
01 22 23 00-0827	MO	100 Amperes, 480 Volt, Portable Transfer Switch	1,180.68	
		For >6 Months (>26 Weeks), Deduct	*-47.23*	
01 22 23 00-0828	WK	200 Amperes, 480 Volt, Portable Transfer Switch	524.75	
01 22 23 00-0829	MO	200 Amperes, 480 Volt, Portable Transfer Switch	1,574.24	
		For >6 Months (>26 Weeks), Deduct	*-62.97*	
01 22 23 00-0830	WK	400 Amperes, 480 Volt, Portable Transfer Switch	655.94	
01 22 23 00-0831	MO	400 Amperes, 480 Volt, Portable Transfer Switch	1,967.80	
		For >6 Months (>26 Weeks), Deduct	*-78.71*	
01 22 23 00-0832		**Cabling For Generator Sets** *(01 22 23 00-0702)* Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0833	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	27.49	
		For Half Day Usage, Deduct	*-8.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0834	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	48.10	
01 22 23 00-0835	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0836	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.74	
		For Half Day Usage, Deduct	*-4.29*	
01 22 23 00-0837	WK	50', 4/0 Cable With Camlock Ends For Generator Set	39.98	
01 22 23 00-0838	MO	50', 4/0 Cable With Camlock Ends For Generator Set	111.20	
		For >6 Months (>26 Weeks), Deduct	*-4.45*	

01 22 23 00-0839 Resistive Load Banks For Generator Sets *(01 22 23 00-0702)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0890 for reimbursable fuel fees.

01 22 23 00-0840	DAY	100 KW A/C Resistive Load Bank	250.00	
01 22 23 00-0841	WK	100 KW A/C Resistive Load Bank	570.00	
01 22 23 00-0842	MO	100 KW A/C Resistive Load Bank	1,710.00	
		For >6 Months (>26 Weeks), Deduct	*-68.40*	
01 22 23 00-0843	DAY	250 KW A/C Resistive Load Bank	313.00	
01 22 23 00-0844	WK	250 KW A/C Resistive Load Bank	690.00	
01 22 23 00-0845	MO	250 KW A/C Resistive Load Bank	2,068.00	
01 22 23 00-0846	DAY	400 KW A/C Resistive Load Bank	390.00	
01 22 23 00-0847	WK	400 KW A/C Resistive Load Bank	835.00	
01 22 23 00-0848	MO	400 KW A/C Resistive Load Bank	2,505.00	
01 22 23 00-0849	DAY	500 KW A/C Resistive Load Bank	457.00	
01 22 23 00-0850	WK	500 KW A/C Resistive Load Bank	1,250.00	
01 22 23 00-0851	MO	500 KW A/C Resistive Load Bank	3,750.00	
01 22 23 00-0852	DAY	650 KW A/C Resistive Load Bank	517.00	
01 22 23 00-0853	WK	650 KW A/C Resistive Load Bank	1,565.00	
01 22 23 00-0854	MO	650 KW A/C Resistive Load Bank	4,695.00	
		For >6 Months (>26 Weeks), Deduct	*-187.80*	
01 22 23 00-0855	DAY	750 KW A/C Resistive Load Bank	549.00	
01 22 23 00-0856	WK	750 KW A/C Resistive Load Bank	1,733.00	
01 22 23 00-0857	MO	750 KW A/C Resistive Load Bank	5,199.00	
		For >6 Months (>26 Weeks), Deduct	*-207.96*	
01 22 23 00-0858	DAY	1,000 KW A/C Resistive Load Bank	597.00	
01 22 23 00-0859	WK	1,000 KW A/C Resistive Load Bank	1,985.00	
01 22 23 00-0860	MO	1,000 KW A/C Resistive Load Bank	5,955.00	
01 22 23 00-0861	DAY	1,250 KW A/C Resistive Load Bank	657.00	
01 22 23 00-0862	WK	1,250 KW A/C Resistive Load Bank	2,300.00	
01 22 23 00-0863	MO	1,250 KW A/C Resistive Load Bank	6,900.00	
01 22 23 00-0864	DAY	1,500 KW A/C Resistive Load Bank	1,191.00	
01 22 23 00-0865	WK	1,500 KW A/C Resistive Load Bank	4,096.00	
01 22 23 00-0866	MO	1,500 KW A/C Resistive Load Bank	13,337.00	
01 22 23 00-0867	DAY	2,000 KW A/C Resistive Load Bank	1,445.00	
01 22 23 00-0868	WK	2,000 KW A/C Resistive Load Bank	5,000.00	
01 22 23 00-0869	MO	2,000 KW A/C Resistive Load Bank	16,500.00	
01 22 23 00-0870	DAY	2,500 KW A/C Resistive Load Bank	1,964.00	
01 22 23 00-0871	WK	2,500 KW A/C Resistive Load Bank	6,875.00	
01 22 23 00-0872	MO	2,500 KW A/C Resistive Load Bank	20,625.00	
01 22 23 00-0873	DAY	3,000 KW A/C Resistive Load Bank	2,310.00	
01 22 23 00-0874	WK	3,000 KW A/C Resistive Load Bank	7,500.00	
01 22 23 00-0875	MO	3,000 KW A/C Resistive Load Bank	22,500.00	

01 22 23 00-0876 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0702)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0877	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	67.47	
		For Half Day Usage, Deduct	*-21.08*	
01 22 23 00-0878	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	174.92	
01 22 23 00-0879	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	493.51	
		For >6 Months (>26 Weeks), Deduct	*-19.74*	

01 22 23 00-0880 Portable Distribution Panels For Generator Sets *(01 22 23 00-0702)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0881	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	149.93	
		For Half Day Usage, Deduct	*-46.85*	
01 22 23 00-0882	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	406.06	
01 22 23 00-0883	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,136.95	
		For >6 Months (>26 Weeks), Deduct	*-45.48*	
01 22 23 00-0884	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	122.44	
		For Half Day Usage, Deduct	*-38.26*	
01 22 23 00-0885	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	318.60	
01 22 23 00-0886	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	905.82	
		For >6 Months (>26 Weeks), Deduct	*-36.23*	
01 22 23 00-0887	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	156.18	
		For Half Day Usage, Deduct	*-48.81*	
01 22 23 00-0888	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	393.56	
01 22 23 00-0889	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,068.24	
		For >6 Months (>26 Weeks), Deduct	*-42.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0890		**Fuel Reimbursement For Generators** *(01 22 23 00-0702)*		
01 22 23 00-0891	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	
01 22 23 00-0892		**Welding Machines** *(01 22 23 00-0687)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0893		**Diesel Powered Towable Welding Machines** *(01 22 23 00-0892)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0894	DAY	250 To 299 Amperes, Diesel Powered Towable Welding Machine	144.17	
		For Half Day Usage, Deduct	*-45.05*	
01 22 23 00-0895	WK	250 To 299 Amperes, Diesel Powered Towable Welding Machine	352.42	
01 22 23 00-0896	MO	250 To 299 Amperes, Diesel Powered Towable Welding Machine	841.00	
		For >6 Months (>26 Weeks), Deduct	*-33.64*	
01 22 23 00-0897	DAY	300 To 349 Amperes, Diesel Powered Towable Welding Machine	192.23	
		For Half Day Usage, Deduct	*-60.07*	
01 22 23 00-0898	WK	300 To 349 Amperes, Diesel Powered Towable Welding Machine	376.45	
01 22 23 00-0899	MO	300 To 349 Amperes, Diesel Powered Towable Welding Machine	879.44	
		For >6 Months (>26 Weeks), Deduct	*-35.18*	
01 22 23 00-0900	DAY	350 To 399 Amperes, Diesel Powered Towable Welding Machine	200.24	
		For Half Day Usage, Deduct	*-62.58*	
01 22 23 00-0901	WK	350 To 399 Amperes, Diesel Powered Towable Welding Machine	400.48	
01 22 23 00-0902	MO	350 To 399 Amperes, Diesel Powered Towable Welding Machine	977.16	
		For >6 Months (>26 Weeks), Deduct	*-39.09*	
01 22 23 00-0903		**CC/CV Inverter Welder** *(01 22 23 00-0892)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0890 for reimbursable fuel fees.		
01 22 23 00-0904	DAY	250 Amperes, CC Inverter Welder	44.85	
		For Half Day Usage, Deduct	*-14.02*	
01 22 23 00-0905	WK	250 Amperes, CC Inverter Welder	97.72	
01 22 23 00-0906	MO	250 Amperes, CC Inverter Welder	296.35	
		For >6 Months (>26 Weeks), Deduct	*-11.85*	
01 22 23 00-0907	DAY	300 Amperes, CC/CV Inverter Welder	51.26	
		For Half Day Usage, Deduct	*-16.02*	
01 22 23 00-0908	WK	300 Amperes, CC/CV Inverter Welder	136.16	
01 22 23 00-0909	MO	300 Amperes, CC/CV Inverter Welder	360.43	
		For >6 Months (>26 Weeks), Deduct	*-14.42*	
01 22 23 00-0910	DAY	350 Amperes, CC/CV Inverter Welder	52.86	
		For Half Day Usage, Deduct	*-16.52*	
01 22 23 00-0911	WK	350 Amperes, CC/CV Inverter Welder	139.37	
01 22 23 00-0912	MO	350 Amperes, CC/CV Inverter Welder	392.47	
		For >6 Months (>26 Weeks), Deduct	*-15.70*	
01 22 23 00-0913		**MIG Welder** *(01 22 23 00-0892)* Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0890 for reimbursable fuel fees.		
01 22 23 00-0914	DAY	115 Volt MIG Welder	76.89	
		For Half Day Usage, Deduct	*-24.03*	
01 22 23 00-0915	WK	115 Volt MIG Welder	200.24	
01 22 23 00-0916	MO	115 Volt MIG Welder	544.65	
		For >6 Months (>26 Weeks), Deduct	*-21.79*	
01 22 23 00-0917		**General Equipment** *(01 22 23)*		
01 22 23 00-0918		**Torch Burning** *(01 22 23 00-0917)* Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.		
01 22 23 00-0919	DAY	Torch Burning Package With Full Time Operator Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.	998.25	
		For Equipment Without Operator, Deduct	*-958.20*	
		For Half Day Usage, Deduct	*-491.62*	
01 22 23 00-0920	WK	Torch Burning Package With Full Time Operator Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.	4,911.14	
		For Equipment Without Operator, Deduct	*-4,791.00*	
01 22 23 00-0921	MO	Torch Burning Package With Full Time Operator Note: Includes torch set, regulator, hoses, oxygen tank and acetylene tank.	21,121.40	
		For Equipment Without Operator, Deduct	*-20,760.97*	
		For >6 Months (>26 Weeks), Deduct	*-14.42*	
01 22 23 00-0922		**Mowers** *(01 22 23 00-0917)* Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0923	DAY	21" Walk Behind Lawn Mower	99.20	
		For Half Day Usage, Deduct	*-31.00*	
01 22 23 00-0924	WK	21" Walk Behind Lawn Mower	285.19	
01 22 23 00-0925	MO	21" Walk Behind Lawn Mower	582.78	
		For >6 Months (>26 Weeks), Deduct	*-23.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0926	DAY	32" Walk Behind Lawn Mower	124.00	
		For Half Day Usage, Deduct	*-38.75*	
01 22 23 00-0927	WK	32" Walk Behind Lawn Mower	297.59	
01 22 23 00-0928	MO	32" Walk Behind Lawn Mower	619.98	
		For >6 Months (>26 Weeks), Deduct	*-24.80*	
01 22 23 00-0929	DAY	36" To 48" Walk Behind Deck Mower	223.19	
		For Half Day Usage, Deduct	*-69.75*	
01 22 23 00-0930	WK	36" To 48" Walk Behind Deck Mower	619.98	
01 22 23 00-0931	MO	36" To 48" Walk Behind Deck Mower	1,797.93	
		For >6 Months (>26 Weeks), Deduct	*-71.92*	
01 22 23 00-0932	DAY	61" To 72" Walk Behind Deck Mower	223.19	
		For Half Day Usage, Deduct	*-69.75*	
01 22 23 00-0933	WK	61" To 72" Walk Behind Deck Mower	619.98	
01 22 23 00-0934	MO	61" To 72" Walk Behind Deck Mower	1,797.93	
		For >6 Months (>26 Weeks), Deduct	*-71.92*	

01 22 23 00-0935 Jacks And Bracing *(01 22 23 00-0917)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0936 Manual Hydraulic Jacks *(01 22 23 00-0935)*

01 22 23 00-0937	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0938	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0939	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks), Deduct	*-1.14*	
01 22 23 00-0940	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0941	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0942	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks), Deduct	*-1.39*	
01 22 23 00-0943	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0944	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0945	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks), Deduct	*-5.83*	
01 22 23 00-0946	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0947	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0948	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks), Deduct	*-8.42*	

01 22 23 00-0949 Manual Screw Jacks *(01 22 23 00-0935)*

01 22 23 00-0950	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0951	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0952	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	*-6.08*	

01 22 23 00-0953 Shores/Braces *(01 22 23 00-0935)*

01 22 23 00-0954	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0955	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0956	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0957	MO	Up To 10' Height, Adjustable Wood Shoring	6.42	
01 22 23 00-0958	MO	>10' To 16' Height, Adjustable Wood Shoring	8.56	
01 22 23 00-0959	EA	Erect And Strip Shores To 10'	11.99	
		For >20 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-6.59*	
01 22 23 00-0960	EA	Erect And Strip Shores To 13'	14.39	
		For >20 To 50, Deduct	*-2.16*	
		For >50 To 100, Deduct	*-5.04*	
		For >100, Deduct	*-7.91*	
01 22 23 00-0961	EA	Erect And Strip Shores To 16'	16.78	
		For >20 To 50, Deduct	*-2.52*	
		For >50 To 100, Deduct	*-5.87*	
		For >100, Deduct	*-9.23*	

01 22 23 00-0962 Pressure Washers *(01 22 23 00-0917)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0963	DAY	2,000 PSI Pressure Washer With Full-Time Operator	872.29	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-415.53*	
01 22 23 00-0964	WK	2,000 PSI Pressure Washer With Full-Time Operator	4,090.79	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0965	MO	2,000 PSI Pressure Washer With Full-Time Operator	17,227.69	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-28.42*	
01 22 23 00-0966	DAY	2,500 PSI Pressure Washer With Full-Time Operator	872.29	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-415.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0967	WK	2,500 PSI Pressure Washer With Full-Time Operator	4,090.79	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0968	MO	2,500 PSI Pressure Washer With Full-Time Operator	17,227.69	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-28.42*	
01 22 23 00-0969	DAY	3,000 PSI Pressure Washer With Full-Time Operator	872.29	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-415.53*	
01 22 23 00-0970	WK	3,000 PSI Pressure Washer With Full-Time Operator	4,090.79	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0971	MO	3,000 PSI Pressure Washer With Full-Time Operator	17,227.69	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-28.42*	
01 22 23 00-0972	DAY	3,500 PSI Pressure Washer With Full-Time Operator	880.75	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-418.17*	
01 22 23 00-0973	WK	3,500 PSI Pressure Washer With Full-Time Operator	4,116.17	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0974	MO	3,500 PSI Pressure Washer With Full-Time Operator	17,295.36	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-31.13*	
01 22 23 00-0975	DAY	4,000 PSI Pressure Washer With Full-Time Operator	914.58	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-428.74*	
01 22 23 00-0976	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,226.13	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0977	MO	4,000 PSI Pressure Washer With Full-Time Operator	17,675.99	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-46.35*	
01 22 23 00-0978	DAY	5,000 PSI Pressure Washer With Full-Time Operator	931.50	
		For Equipment Without Operator, Deduct	*-762.33*	
		For Half Day Usage, Deduct	*-434.03*	
01 22 23 00-0979	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,268.42	
		For Equipment Without Operator, Deduct	*-3,811.66*	
01 22 23 00-0980	MO	5,000 PSI Pressure Washer With Full-Time Operator	17,802.87	
		For Equipment Without Operator, Deduct	*-16,517.18*	
		For >6 Months (>26 Weeks), Deduct	*-51.43*	

01 22 23 00-0981 Confined Space Entry Equipment *(01 22 23 00-0917)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0982	DAY	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	43.28	
		For Half Day Usage, Deduct	*-13.53*	
01 22 23 00-0983	WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	129.84	
01 22 23 00-0984	MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	387.47	
		For >6 Months (>26 Weeks), Deduct	*-15.50*	
01 22 23 00-0985	DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	67.81	
		For Half Day Usage, Deduct	*-21.19*	
01 22 23 00-0986	WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	203.44	
01 22 23 00-0987	MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	610.31	
		For >6 Months (>26 Weeks), Deduct	*-24.41*	
01 22 23 00-0988	DAY	Confined Space Air Monitor Personnel Note: Per person day.	762.33	
		For Half Day Usage, Deduct	*-381.17*	

01 22 23 00-0989 High Volume Vacuums *(01 22 23 00-0917)*

Note: Includes delivery to job site, set-up, pick-up when complete and full time operator.

01 22 23 00-0990	DAY	500 Gallon High Volume Vacuum With Full-Time Operator	1,606.40	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-690.35*	
01 22 23 00-0991	WK	500 Gallon High Volume Vacuum With Full-Time Operator	6,707.84	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-0992	MO	500 Gallon High Volume Vacuum With Full-Time Operator	27,542.55	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-231.12*	

01 22 23 00-0993 Portable Floor Drying Fans *(01 22 23 00-0917)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0994	DAY	2,250 CFM Portable Floor Drying Fan	23.26	
		For Half Day Usage, Deduct	*-7.27*	
01 22 23 00-0995	WK	2,250 CFM Portable Floor Drying Fan	107.60	
01 22 23 00-0996	MO	2,250 CFM Portable Floor Drying Fan	356.23	
		For >6 Months (>26 Weeks), Deduct	*-14.25*	

01 22 23 00-0997 Portable Dehumidifiers *(01 22 23 00-0917)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0998	DAY	7.5 To 10 Gallons Per Day, Portable Dehumidifier	187.14	
		For Half Day Usage, Deduct	*-58.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0999	WK	7.5 To 10 Gallons Per Day, Portable Dehumidifier	601.52	
01 22 23 00-1000	MO	7.5 To 10 Gallons Per Day, Portable Dehumidifier	1,831.28	
		For >6 Months (>26 Weeks), Deduct	*-73.25*	
01 22 23 00-1001	DAY	16 To 25 Gallons Per Day, Portable Dehumidifier	334.18	
		For Half Day Usage, Deduct	*-104.43*	
01 22 23 00-1002	WK	16 To 25 Gallons Per Day, Portable Dehumidifier	1,002.52	
01 22 23 00-1003	MO	16 To 25 Gallons Per Day, Portable Dehumidifier	2,339.22	
		For >6 Months (>26 Weeks), Deduct	*-93.57*	

01 22 23 00-1004 Portable Fume Extractors *(01 22 23 00-0917)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-1005	DAY	Portable Fume Extractor	27.82	
		For Half Day Usage, Deduct	*-8.69*	
01 22 23 00-1006	WK	Portable Fume Extractor	83.47	

01 22 23 00-1007 Direct Fired Space Heaters *(01 22 23 00-0917)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-1008	DAY	150,000 BTU/Hour Space Heater	68.00	
		For Half Day Usage, Deduct	*-21.25*	
01 22 23 00-1009	WK	150,000 BTU/Hour Space Heater	195.50	
01 22 23 00-1010	MO	150,000 BTU/Hour Space Heater	552.50	
		For >6 Months (>26 Weeks), Deduct	*-22.10*	
01 22 23 00-1011	DAY	500,000 BTU/Hour Space Heater	144.50	
		For Half Day Usage, Deduct	*-45.16*	
01 22 23 00-1012	WK	500,000 BTU/Hour Space Heater	357.00	
01 22 23 00-1013	MO	500,000 BTU/Hour Space Heater	902.70	
		For >6 Months (>26 Weeks), Deduct	*-36.11*	

01 22 23 00-1014 Trailer Mounted Brush Chipper *(01 22 23 00-0917)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1015	DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	192.25	
		For Half Day Usage, Deduct	*-60.08*	
01 22 23 00-1016	WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	459.72	
01 22 23 00-1017	MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,412.59	
		For >6 Months (>26 Weeks), Deduct	*-56.50*	
01 22 23 00-1018	DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	250.76	
		For Half Day Usage, Deduct	*-78.36*	
01 22 23 00-1019	WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	565.03	
01 22 23 00-1020	MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,504.53	
		For >6 Months (>26 Weeks), Deduct	*-60.18*	
01 22 23 00-1021	DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	468.08	
		For Half Day Usage, Deduct	*-146.28*	
01 22 23 00-1022	WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,053.17	
01 22 23 00-1023	MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	2,808.46	
		For >6 Months (>26 Weeks), Deduct	*-112.34*	
01 22 23 00-1024	DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	498.35	
		For Half Day Usage, Deduct	*-155.73*	
01 22 23 00-1025	WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,121.28	
01 22 23 00-1026	MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	2,990.09	
		For >6 Months (>26 Weeks), Deduct	*-119.60*	

01 22 23 00-1027 Marine Equipment *(01 22 23)*

01 22 23 00-1028 Barge And Tug Boat Rental *(01 22 23 00-1027)*

01 22 23 00-1029	DAY	50' Deck Cargo Barge	1,225.45	
		For Half Day Usage, Deduct	*-382.95*	
01 22 23 00-1030	DAY	90' Deck Cargo Barge	1,739.70	
		For Half Day Usage, Deduct	*-543.66*	
01 22 23 00-1031	DAY	160' Deck Cargo Barge	2,560.31	
		For Half Day Usage, Deduct	*-800.10*	
01 22 23 00-1032	DAY	200' Deck Cargo Barge	3,884.23	
		For Half Day Usage, Deduct	*-1,213.82*	
01 22 23 00-1033	DAY	Barge Rental With Mounted Crane And Full-time Operator Note: Including barge.	2,808.19	
		For Half Day Usage, Deduct	*-1,074.24*	
01 22 23 00-1034	HR	250 HP Tug Boat With Operator	256.57	
01 22 23 00-1035	HR	400 HP Tug Boat With Operator	457.33	
01 22 23 00-1036	HR	500 To 800 HP Tug Boat With Operator	572.71	
01 22 23 00-1037	HR	16' Work Boat With Operator	136.64	
01 22 23 00-1038	HR	48' Work Boat With Operator	442.86	

01 22 23 00-1039 Manual Powered, Deck Cargo Barges *(01 22 23 00-1027)*

Note: Excludes captain and crew.

01 22 23 00-1040	DAY	50' Length, 35' Beam, 9' Depth, 313 Short Tons, Manual Powered, Deck Cargo Barge	1,281.54	
		For Half Day Usage, Deduct	*-400.48*	
01 22 23 00-1041	WK	50' Length, 35' Beam, 9' Depth, 313 Short Tons, Manual Powered, Deck Cargo Barge	5,104.80	
01 22 23 00-1042	MO	50' Length, 35' Beam, 9' Depth, 313 Short Tons, Manual Powered, Deck Cargo Barge	18,219.23	
		For >6 Months (>26 Weeks), Deduct	*-728.77*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1043	HR	Operating Cost For 50' Length, 35' Beam, 9' Depth, 313 Short Tons, Manual Powered, Deck Cargo Barge	20.61	
01 22 23 00-1044	DAY	90' Length, 35' Beam, 9' Depth, 564 Short Tons, Manual Powered, Deck Cargo Barge	1,847.55	
		For Half Day Usage, Deduct	*-577.36*	
01 22 23 00-1045	WK	90' Length, 35' Beam, 9' Depth, 564 Short Tons, Manual Powered, Deck Cargo Barge	7,379.53	
01 22 23 00-1046	MO	90' Length, 35' Beam, 9' Depth, 564 Short Tons, Manual Powered, Deck Cargo Barge	26,357.01	
		For >6 Months (>26 Weeks), Deduct	*-1,054.28*	
01 22 23 00-1047	HR	Operating Cost For 90' Length, 35' Beam, 9' Depth, 564 Short Tons, Manual Powered, Deck Cargo Barge	38.55	
01 22 23 00-1048	DAY	120' Length, 45' Beam, 10' Depth, 1,074 Short Tons, Manual Powered, Deck Cargo Barge	2,264.05	
		For Half Day Usage, Deduct	*-707.52*	
01 22 23 00-1049	WK	120' Length, 45' Beam, 10' Depth, 1,074 Short Tons, Manual Powered, Deck Cargo Barge	9,056.22	
01 22 23 00-1050	MO	120' Length, 45' Beam, 10' Depth, 1,074 Short Tons, Manual Powered, Deck Cargo Barge	32,358.88	
		For >6 Months (>26 Weeks), Deduct	*-1,294.36*	
01 22 23 00-1051	HR	Operating Cost For 120' Length, 45' Beam, 10' Depth, 1,074 Short Tons, Manual Powered, Deck Cargo Barge	46.88	
01 22 23 00-1052	DAY	140' Length, 45' Beam, 10' Depth, 1,253 Short Tons, Manual Powered, Deck Cargo Barge	2,434.93	
		For Half Day Usage, Deduct	*-760.92*	
01 22 23 00-1053	WK	140' Length, 45' Beam, 10' Depth, 1,253 Short Tons, Manual Powered, Deck Cargo Barge	9,718.34	
01 22 23 00-1054	MO	140' Length, 45' Beam, 10' Depth, 1,253 Short Tons, Manual Powered, Deck Cargo Barge	34,708.38	
		For >6 Months (>26 Weeks), Deduct	*-1,388.34*	
01 22 23 00-1055	HR	Operating Cost For 140' Length, 45' Beam, 10' Depth, 1,253 Short Tons, Manual Powered, Deck Cargo Barge	52.12	
01 22 23 00-1056	DAY	160' Length, 45' Beam, 11' Depth, 1,575 Short Tons, Manual Powered, Deck Cargo Barge	2,723.27	
		For Half Day Usage, Deduct	*-851.02*	
01 22 23 00-1057	WK	160' Length, 45' Beam, 11' Depth, 1,575 Short Tons, Manual Powered, Deck Cargo Barge	10,893.09	
01 22 23 00-1058	MO	160' Length, 45' Beam, 11' Depth, 1,575 Short Tons, Manual Powered, Deck Cargo Barge	38,916.10	
		For >6 Months (>26 Weeks), Deduct	*-1,556.64*	
01 22 23 00-1059	HR	Operating Cost For 160' Length, 45' Beam, 11' Depth, 1,575 Short Tons, Manual Powered, Deck Cargo Barge	61.51	
01 22 23 00-1060	DAY	170' Length, 45' Beam, 11' Depth, 1,673 Short Tons, Manual Powered, Deck Cargo Barge	2,819.39	
		For Half Day Usage, Deduct	*-881.06*	
01 22 23 00-1061	WK	170' Length, 45' Beam, 11' Depth, 1,673 Short Tons, Manual Powered, Deck Cargo Barge	11,256.19	
01 22 23 00-1062	MO	170' Length, 45' Beam, 11' Depth, 1,673 Short Tons, Manual Powered, Deck Cargo Barge	40,197.64	
		For >6 Months (>26 Weeks), Deduct	*-1,607.91*	
01 22 23 00-1063	HR	Operating Cost For 170' Length, 45' Beam, 11' Depth, 1,673 Short Tons, Manual Powered, Deck Cargo Barge	64.29	
01 22 23 00-1064	DAY	200' Length, 60' Beam, 13' Depth, 3,102 Short Tons, Manual Powered, Deck Cargo Barge	4,132.97	
		For Half Day Usage, Deduct	*-1,291.55*	
01 22 23 00-1065	WK	200' Length, 60' Beam, 13' Depth, 3,102 Short Tons, Manual Powered, Deck Cargo Barge	16,510.51	
01 22 23 00-1066	MO	200' Length, 60' Beam, 13' Depth, 3,102 Short Tons, Manual Powered, Deck Cargo Barge	58,982.88	
		For >6 Months (>26 Weeks), Deduct	*-2,359.32*	
01 22 23 00-1067	HR	Operating Cost For 200' Length, 60' Beam, 13' Depth, 3,102 Short Tons, Manual Powered, Deck Cargo Barge	106.05	
01 22 23 00-1068	DAY	240' Length, 60' Beam, 17' Depth, 4,867 Short Tons, Manual Powered, Deck Cargo Barge	5,745.57	
		For Half Day Usage, Deduct	*-1,795.49*	
01 22 23 00-1069	WK	240' Length, 60' Beam, 17' Depth, 4,867 Short Tons, Manual Powered, Deck Cargo Barge	22,992.96	
01 22 23 00-1070	MO	240' Length, 60' Beam, 17' Depth, 4,867 Short Tons, Manual Powered, Deck Cargo Barge	82,125.36	
		For >6 Months (>26 Weeks), Deduct	*-3,285.01*	
01 22 23 00-1071	HR	Operating Cost For 240' Length, 60' Beam, 17' Depth, 4,867 Short Tons, Manual Powered, Deck Cargo Barge	157.52	
01 22 23 00-1072	DAY	280' Length, 75' Beam, 18' Depth, 7,516 Short Tons, Manual Powered, Deck Cargo Barge	8,191.18	
		For Half Day Usage, Deduct	*-2,559.74*	
01 22 23 00-1073	WK	280' Length, 75' Beam, 18' Depth, 7,516 Short Tons, Manual Powered, Deck Cargo Barge	32,743.35	
01 22 23 00-1074	MO	280' Length, 75' Beam, 18' Depth, 7,516 Short Tons, Manual Powered, Deck Cargo Barge	116,929.85	
		For >6 Months (>26 Weeks), Deduct	*-4,677.19*	
01 22 23 00-1075	HR	Operating Cost For 280' Length, 75' Beam, 18' Depth, 7,516 Short Tons, Manual Powered, Deck Cargo Barge	234.84	
01 22 23 00-1076	DAY	300' Length, 75' Beam, 25' Depth, 11,184 Short Tons, Manual Powered, Deck Cargo Barge	11,555.22	
		For Half Day Usage, Deduct	*-3,611.01*	
01 22 23 00-1077	WK	300' Length, 75' Beam, 25' Depth, 11,184 Short Tons, Manual Powered, Deck Cargo Barge	46,220.88	
01 22 23 00-1078	MO	300' Length, 75' Beam, 25' Depth, 11,184 Short Tons, Manual Powered, Deck Cargo Barge	165,073.03	
		For >6 Months (>26 Weeks), Deduct	*-6,602.92*	
01 22 23 00-1079	HR	Operating Cost For 300' Length, 75' Beam, 25' Depth, 11,184 Short Tons, Manual Powered, Deck Cargo Barge	341.85	

01 22 23 00-1080 Inland Tug Boats *(01 22 23 00-1027)*

Note: Excludes captain and crew.

01 22 23 00-1081	DAY	16' Length, 100 HP, Shallow Draft, Inland Tug Boat	363.10	
		For Half Day Usage, Deduct	*-113.47*	
01 22 23 00-1082	WK	16' Length, 100 HP, Shallow Draft, Inland Tug Boat	1,463.09	
01 22 23 00-1083	MO	16' Length, 100 HP, Shallow Draft, Inland Tug Boat	5,222.28	
		For >6 Months (>26 Weeks), Deduct	*-208.89*	
01 22 23 00-1084	HR	Operating Cost For 16' Length, 100 HP, Shallow Draft, Inland Tug Boat	61.51	
01 22 23 00-1085	DAY	22' Length, 115 HP, Shallow Draft, Inland Tug Boat	437.86	
		For Half Day Usage, Deduct	*-136.83*	
01 22 23 00-1086	WK	22' Length, 115 HP, Shallow Draft, Inland Tug Boat	1,740.76	
01 22 23 00-1087	MO	22' Length, 115 HP, Shallow Draft, Inland Tug Boat	6,215.47	
		For >6 Months (>26 Weeks), Deduct	*-248.62*	
01 22 23 00-1088	HR	Operating Cost For 22' Length, 115 HP, Shallow Draft, Inland Tug Boat	67.92	
01 22 23 00-1089	DAY	18' Length, 175 HP, With Steering Nozzle, Inland Tug Boat	544.65	
		For Half Day Usage, Deduct	*-170.20*	
01 22 23 00-1090	WK	18' Length, 175 HP, With Steering Nozzle, Inland Tug Boat	2,189.30	
01 22 23 00-1091	MO	18' Length, 175 HP, With Steering Nozzle, Inland Tug Boat	7,817.39	
		For >6 Months (>26 Weeks), Deduct	*-312.70*	
01 22 23 00-1092	HR	Operating Cost For 18' Length, 175 HP, With Steering Nozzle, Inland Tug Boat	89.71	
01 22 23 00-1093	DAY	26' Length, 250 HP, With Steering Nozzle, Inland Tug Boat	651.45	
		For Half Day Usage, Deduct	*-203.58*	
01 22 23 00-1094	WK	26' Length, 250 HP, With Steering Nozzle, Inland Tug Boat	2,616.48	
01 22 23 00-1095	MO	26' Length, 250 HP, With Steering Nozzle, Inland Tug Boat	9,333.88	
		For >6 Months (>26 Weeks), Deduct	*-373.36*	
01 22 23 00-1096	HR	Operating Cost For 26' Length, 250 HP, With Steering Nozzle, Inland Tug Boat	116.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1097	DAY	40' Length, 380 HP, Standard Ruder, Inland Tug Boat	1,965.03	
		For Half Day Usage, Deduct	*-614.07*	
01 22 23 00-1098	WK	40' Length, 380 HP, Standard Ruder, Inland Tug Boat	7,870.79	
01 22 23 00-1099	MO	40' Length, 380 HP, Standard Ruder, Inland Tug Boat	28,097.76	
		For >6 Months (>26 Weeks), Deduct	*-1,123.91*	
01 22 23 00-1100	HR	Operating Cost For 40' Length, 380 HP, Standard Ruder, Inland Tug Boat	261.54	
01 22 23 00-1101	DAY	51' Length, 700 HP, Twin Screw, Inland Tug Boat	2,541.72	
		For Half Day Usage, Deduct	*-794.29*	
01 22 23 00-1102	WK	51' Length, 700 HP, Twin Screw, Inland Tug Boat	10,177.56	
01 22 23 00-1103	MO	51' Length, 700 HP, Twin Screw, Inland Tug Boat	36,331.66	
		For >6 Months (>26 Weeks), Deduct	*-1,453.27*	
01 22 23 00-1104	HR	Operating Cost For 51' Length, 700 HP, Twin Screw, Inland Tug Boat	376.35	

01 22 23 00-1105 Flat Hull, Push Boats *(01 22 23 00-1027)*

Note: Excludes captain and crew.

01 22 23 00-1106	DAY	48' Length, 20' Beam, 6'-6" Draft, 400 HP, Flat Hull, Push Boat	2,114.54	
		For Half Day Usage, Deduct	*-660.79*	
01 22 23 00-1107	WK	48' Length, 20' Beam, 6'-6" Draft, 400 HP, Flat Hull, Push Boat	8,447.48	
01 22 23 00-1108	MO	48' Length, 20' Beam, 6'-6" Draft, 400 HP, Flat Hull, Push Boat	30,180.27	
		For >6 Months (>26 Weeks), Deduct	*-1,207.21*	
01 22 23 00-1109	HR	Operating Cost For 48' Length, 20' Beam, 6'-6" Draft, 400 HP, Flat Hull, Push Boat	293.79	
01 22 23 00-1110	DAY	45' Length, 16' Beam, 5'-0" Draft, 435 HP, Flat Hull, Push Boat	1,698.04	
		For Half Day Usage, Deduct	*-530.64*	
01 22 23 00-1111	WK	45' Length, 16' Beam, 5'-0" Draft, 435 HP, Flat Hull, Push Boat	6,802.84	
01 22 23 00-1112	MO	45' Length, 16' Beam, 5'-0" Draft, 435 HP, Flat Hull, Push Boat	24,285.18	
		For >6 Months (>26 Weeks), Deduct	*-971.41*	
01 22 23 00-1113	HR	Operating Cost For 45' Length, 16' Beam, 5'-0" Draft, 435 HP, Flat Hull, Push Boat	290.59	
01 22 23 00-1114	DAY	58' Length, 21' Beam, 6'-0" Draft, 435 HP, Flat Hull, Push Boat	2,990.26	
		For Half Day Usage, Deduct	*-934.46*	
01 22 23 00-1115	WK	58' Length, 21' Beam, 6'-0" Draft, 435 HP, Flat Hull, Push Boat	11,939.68	
01 22 23 00-1116	MO	58' Length, 21' Beam, 6'-0" Draft, 435 HP, Flat Hull, Push Boat	42,643.24	
		For >6 Months (>26 Weeks), Deduct	*-1,705.73*	
01 22 23 00-1117	HR	Operating Cost For 58' Length, 21' Beam, 6'-0" Draft, 435 HP, Flat Hull, Push Boat	372.61	
01 22 23 00-1118	DAY	54' Length, 21' Beam, 6'-0" Draft, 525 HP, Flat Hull, Push Boat	2,381.53	
		For Half Day Usage, Deduct	*-744.23*	
01 22 23 00-1119	WK	54' Length, 21' Beam, 6'-0" Draft, 525 HP, Flat Hull, Push Boat	9,526.11	
01 22 23 00-1120	MO	54' Length, 21' Beam, 6'-0" Draft, 525 HP, Flat Hull, Push Boat	34,035.57	
		For >6 Months (>26 Weeks), Deduct	*-1,361.42*	
01 22 23 00-1121	HR	Operating Cost For 54' Length, 21' Beam, 6'-0" Draft, 525 HP, Flat Hull, Push Boat	379.12	
01 22 23 00-1122	DAY	58' Length, 24' Beam, 7'-6" Draft, 705 HP, Flat Hull, Push Boat	3,032.98	
		For Half Day Usage, Deduct	*-947.81*	
01 22 23 00-1123	WK	58' Length, 24' Beam, 7'-6" Draft, 705 HP, Flat Hull, Push Boat	12,110.55	
01 22 23 00-1124	MO	58' Length, 24' Beam, 7'-6" Draft, 705 HP, Flat Hull, Push Boat	43,251.98	
		For >6 Months (>26 Weeks), Deduct	*-1,730.08*	
01 22 23 00-1125	HR	Operating Cost For 58' Length, 24' Beam, 7'-6" Draft, 705 HP, Flat Hull, Push Boat	451.21	
01 22 23 00-1126	DAY	64' Length, 25' Beam, 8'-0" Draft, 870 HP, Flat Hull, Push Boat	3,235.89	
		For Half Day Usage, Deduct	*-1,011.22*	
01 22 23 00-1127	WK	64' Length, 25' Beam, 8'-0" Draft, 870 HP, Flat Hull, Push Boat	12,954.23	
01 22 23 00-1128	MO	64' Length, 25' Beam, 8'-0" Draft, 870 HP, Flat Hull, Push Boat	46,252.91	
		For >6 Months (>26 Weeks), Deduct	*-1,850.12*	
01 22 23 00-1129	HR	Operating Cost For 64' Length, 25' Beam, 8'-0" Draft, 870 HP, Flat Hull, Push Boat	505.25	
01 22 23 00-1130	DAY	100' Length, 35' Beam, 8'-0" Draft, 1,950 HP, Flat Hull, Push Boat	5,863.05	
		For Half Day Usage, Deduct	*-1,832.20*	
01 22 23 00-1131	WK	100' Length, 35' Beam, 8'-0" Draft, 1,950 HP, Flat Hull, Push Boat	23,462.86	
01 22 23 00-1132	MO	100' Length, 35' Beam, 8'-0" Draft, 1,950 HP, Flat Hull, Push Boat	83,791.36	
		For >6 Months (>26 Weeks), Deduct	*-3,351.65*	
01 22 23 00-1133	HR	Operating Cost For 100' Length, 35' Beam, 8'-0" Draft, 1,950 HP, Flat Hull, Push Boat	1,099.24	
01 22 23 00-1134	DAY	138' Length, 35' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	7,625.16	
		For Half Day Usage, Deduct	*-2,382.86*	
01 22 23 00-1135	WK	138' Length, 35' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	30,479.29	
01 22 23 00-1136	MO	138' Length, 35' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	108,866.82	
		For >6 Months (>26 Weeks), Deduct	*-4,354.67*	
01 22 23 00-1137	HR	Operating Cost For 138' Length, 35' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	1,786.25	
01 22 23 00-1138	DAY	140' Length, 42' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	15,164.89	
		For Half Day Usage, Deduct	*-4,739.03*	
01 22 23 00-1139	WK	140' Length, 42' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	60,670.24	
01 22 23 00-1140	MO	140' Length, 42' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	216,697.73	
		For >6 Months (>26 Weeks), Deduct	*-8,667.91*	
01 22 23 00-1141	HR	Operating Cost For 140' Length, 42' Beam, 8'-6" Draft, 3,900 HP, Flat Hull, Push Boat	2,067.55	
01 22 23 00-1142	DAY	140' Length, 54' Beam, 8'-9" Draft, 5,200 HP, Flat Hull, Push Boat	16,072.65	
		For Half Day Usage, Deduct	*-5,022.70*	
01 22 23 00-1143	WK	140' Length, 54' Beam, 8'-9" Draft, 5,200 HP, Flat Hull, Push Boat	64,301.27	
01 22 23 00-1144	MO	140' Length, 54' Beam, 8'-9" Draft, 5,200 HP, Flat Hull, Push Boat	229,651.97	
		For >6 Months (>26 Weeks), Deduct	*-9,186.08*	
01 22 23 00-1145	HR	Operating Cost For 140' Length, 54' Beam, 8'-9" Draft, 5,200 HP, Flat Hull, Push Boat	2,472.30	

01 22 23 00-1146 Steel Tow Boats *(01 22 23 00-1027)*

Note: Excludes captain and crew.

01 22 23 00-1147	DAY	55' Length, 20' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	2,573.76	
		For Half Day Usage, Deduct	*-804.30*	
01 22 23 00-1148	WK	55' Length, 20' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	10,273.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1149	MO	55' Length, 20' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	36,705.44	
		For >6 Months (>26 Weeks), Deduct	*-1,468.22*	
01 22 23 00-1150	HR	Operating Cost For 55' Length, 20' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	471.29	
01 22 23 00-1151	DAY	60' Length, 18' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	2,669.88	
		For Half Day Usage, Deduct	*-834.34*	
01 22 23 00-1152	WK	60' Length, 18' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	10,690.18	
01 22 23 00-1153	MO	60' Length, 18' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	38,189.89	
		For >6 Months (>26 Weeks), Deduct	*-1,527.60*	
01 22 23 00-1154	HR	Operating Cost For 60' Length, 18' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	524.26	
01 22 23 00-1155	DAY	60' Length, 21' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	2,915.50	
		For Half Day Usage, Deduct	*-911.09*	
01 22 23 00-1156	WK	60' Length, 21' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	11,651.33	
01 22 23 00-1157	MO	60' Length, 21' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	41,596.65	
		For >6 Months (>26 Weeks), Deduct	*-1,663.87*	
01 22 23 00-1158	HR	Operating Cost For 60' Length, 21' Beam, 5'-0" Draft, 1,050 HP, Steel Tow Boat	531.41	
01 22 23 00-1159	DAY	62' Length, 22' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	3,289.29	
		For Half Day Usage, Deduct	*-1,027.90*	
01 22 23 00-1160	WK	62' Length, 22' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	13,146.46	
01 22 23 00-1161	MO	62' Length, 22' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	46,936.40	
		For >6 Months (>26 Weeks), Deduct	*-1,877.46*	
01 22 23 00-1162	HR	Operating Cost For 62' Length, 22' Beam, 5'-0" Draft, 870 HP, Steel Tow Boat	492.75	
01 22 23 00-1163	DAY	65' Length, 22' Beam, 7'-6" Draft, 870 HP, Steel Tow Boat	4,570.83	
		For Half Day Usage, Deduct	*-1,428.38*	
01 22 23 00-1164	WK	65' Length, 22' Beam, 7'-6" Draft, 870 HP, Steel Tow Boat	18,283.30	
01 22 23 00-1165	MO	65' Length, 22' Beam, 7'-6" Draft, 870 HP, Steel Tow Boat	65,283.78	
		For >6 Months (>26 Weeks), Deduct	*-2,611.35*	
01 22 23 00-1166	HR	Operating Cost For 65' Length, 22' Beam, 7'-6" Draft, 870 HP, Steel Tow Boat	636.93	
01 22 23 00-1167	DAY	70' Length, 24' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	4,923.25	
		For Half Day Usage, Deduct	*-1,538.52*	
01 22 23 00-1168	WK	70' Length, 24' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	19,703.68	
01 22 23 00-1169	MO	70' Length, 24' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	70,377.90	
		For >6 Months (>26 Weeks), Deduct	*-2,815.12*	
01 22 23 00-1170	HR	Operating Cost For 70' Length, 24' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	780.67	
01 22 23 00-1171	DAY	70' Length, 30' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	5,275.67	
		For Half Day Usage, Deduct	*-1,648.65*	
01 22 23 00-1172	WK	70' Length, 30' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	21,081.33	
01 22 23 00-1173	MO	70' Length, 30' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	75,290.48	
		For >6 Months (>26 Weeks), Deduct	*-3,011.62*	
01 22 23 00-1174	HR	Operating Cost For 70' Length, 30' Beam, 7'-6" Draft, 1,350 HP, Steel Tow Boat	791.03	
01 22 23 00-1175	DAY	115' Length, 28' Beam, 8'-0" Draft, 1,950 HP, Steel Tow Boat	10,754.26	
		For Half Day Usage, Deduct	*-3,360.71*	
01 22 23 00-1176	WK	115' Length, 28' Beam, 8'-0" Draft, 1,950 HP, Steel Tow Boat	43,027.71	
01 22 23 00-1177	MO	115' Length, 28' Beam, 8'-0" Draft, 1,950 HP, Steel Tow Boat	153,688.68	
		For >6 Months (>26 Weeks), Deduct	*-6,147.55*	
01 22 23 00-1178	HR	Operating Cost For 115' Length, 28' Beam, 8'-0" Draft, 1,950 HP, Steel Tow Boat	1,261.25	
01 22 23 00-1179	DAY	120' Length, 34' Beam, 8'-0" Draft, 2,000 HP, Steel Tow Boat	12,505.69	
		For Half Day Usage, Deduct	*-3,908.03*	
01 22 23 00-1180	WK	120' Length, 34' Beam, 8'-0" Draft, 2,000 HP, Steel Tow Boat	50,022.78	
01 22 23 00-1181	MO	120' Length, 34' Beam, 8'-0" Draft, 2,000 HP, Steel Tow Boat	178,657.36	
		For >6 Months (>26 Weeks), Deduct	*-7,146.29*	
01 22 23 00-1182	HR	Operating Cost For 120' Length, 34' Beam, 8'-0" Draft, 2,000 HP, Steel Tow Boat	1,331.41	
01 22 23 00-1183	DAY	140' Length, 45' Beam, 8'-0" Draft, 5,250 HP, Steel Tow Boat	15,859.06	
		For Half Day Usage, Deduct	*-4,955.96*	
01 22 23 00-1184	WK	140' Length, 45' Beam, 8'-0" Draft, 5,250 HP, Steel Tow Boat	63,425.55	
01 22 23 00-1185	MO	140' Length, 45' Beam, 8'-0" Draft, 5,250 HP, Steel Tow Boat	226,533.55	
		For >6 Months (>26 Weeks), Deduct	*-9,061.34*	
01 22 23 00-1186	HR	Operating Cost For 140' Length, 45' Beam, 8'-0" Draft, 5,250 HP, Steel Tow Boat	2,722.10	

01 22 23 00-1187 Material Handling Equipment *(01 22 23)*

01 22 23 00-1188 Truck Mounted Hydraulic Cranes *(01 22 23 00-1187)*

Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.

01 22 23 00-1189	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,560.69	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-688.79*	
01 22 23 00-1190	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,841.26	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1191	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,687.59	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-178.08*	
01 22 23 00-1192	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,689.94	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-729.19*	
01 22 23 00-1193	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,225.42	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1194	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,836.47	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-224.03*	
01 22 23 00-1195	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,819.19	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-769.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1196	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,609.58	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1197	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,985.35	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-269.99*	
01 22 23 00-1198	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,991.52	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-823.43*	
01 22 23 00-1199	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,126.57	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1200	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	31,529.16	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-331.74*	
01 22 23 00-1201	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,149.50	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-872.80*	
01 22 23 00-1202	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,196.47	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1203	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,735.97	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-460.01*	
01 22 23 00-1204	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,522.88	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-989.48*	
01 22 23 00-1205	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,532.04	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1206	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	38,745.56	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-620.40*	
01 22 23 00-1207	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,759.84	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,063.53*	
01 22 23 00-1208	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,364.98	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1209	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,250.12	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-720.58*	
01 22 23 00-1210	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,946.53	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,121.87*	
01 22 23 00-1211	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,039.94	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1212	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,272.15	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-801.46*	
01 22 23 00-1213	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,133.22	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,180.21*	
01 22 23 00-1214	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,714.91	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1215	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,294.18	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-882.34*	
01 22 23 00-1216	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,255.29	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,218.36*	
01 22 23 00-1217	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,131.38	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1218	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,557.94	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-932.89*	
01 22 23 00-1219	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,420.44	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,269.97*	
01 22 23 00-1220	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,748.90	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1221	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,396.15	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,006.42*	
01 22 23 00-1222	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,951.80	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,436.02*	
01 22 23 00-1223	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,439.91	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1224	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,469.18	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,209.34*	
01 22 23 00-1225	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,318.01	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,550.46*	
01 22 23 00-1226	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,721.63	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1227	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	57,314.33	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,363.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1228	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,978.61	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,756.89*	
01 22 23 00-1229	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	19,033.75	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1230	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	64,250.70	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,640.60*	
01 22 23 00-1231	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,438.16	
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,900.50*	
01 22 23 00-1232	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,642.18	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1233	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	69,075.99	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,833.61*	

01 22 23 00-1234 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-1187)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0006 for lattice crane delivery.

01 22 23 00-1235	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,795.74	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1236	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,508.59	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1237	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,675.20	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-737.58*	
01 22 23 00-1238	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,124.13	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1239	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,720.18	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1240	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	48,309.99	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,002.97*	
01 22 23 00-1241	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,339.55	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1242	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,292.71	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1243	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	53,026.14	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,191.62*	
01 22 23 00-1244	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,770.38	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1245	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,865.24	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1246	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	57,736.55	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,380.03*	
01 22 23 00-1247	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,975.02	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1248	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,437.77	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1249	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	62,458.44	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,568.91*	
01 22 23 00-1250	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,179.67	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1251	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	20,010.30	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1252	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	67,180.34	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-1,757.79*	
01 22 23 00-1253	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,854.63	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1254	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,430.13	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1255	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	74,429.77	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-2,047.76*	
01 22 23 00-1256	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	10,004.96	
		For Equipment Without Operator, Deduct	*-1,072.42*	
01 22 23 00-1257	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,221.96	
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1258	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	118,822.50	
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-3,823.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1259 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-1187)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1260	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,633.08	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-698.69*	
01 22 23 00-1261	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,560.90	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-1262	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,072.75	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-132.33*	
01 22 23 00-1263	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,699.24	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-719.36*	
01 22 23 00-1264	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,709.77	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-1265	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,403.57	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-145.56*	
01 22 23 00-1266	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,682.70	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-714.19*	
01 22 23 00-1267	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,784.21	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-1268	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,899.80	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-165.41*	
01 22 23 00-1269	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,872.92	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Half Day Usage, Deduct	*-773.64*	
01 22 23 00-1270	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,280.44	
		For Equipment Without Operator, Deduct	*-5,022.59*	
01 22 23 00-1271	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	27,057.67	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For >6 Months (>26 Weeks), Deduct	*-211.72*	

01 22 23 00-1272 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-1187)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-1273	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,413.08	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*81.71*	
		For Half Day Usage, Deduct	*-629.94*	
01 22 23 00-1274	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,138.28	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*223.14*	
01 22 23 00-1275	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,318.07	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*510.70*	
		For >6 Months (>26 Weeks), Deduct	*-102.14*	
01 22 23 00-1276	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,434.59	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*86.01*	
		For Half Day Usage, Deduct	*-636.66*	
01 22 23 00-1277	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,197.00	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*234.88*	
01 22 23 00-1278	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,452.46	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*537.58*	
		For >6 Months (>26 Weeks), Deduct	*-107.52*	
01 22 23 00-1279	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,550.37	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*109.17*	
		For Half Day Usage, Deduct	*-672.84*	
01 22 23 00-1280	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,519.55	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*299.39*	
01 22 23 00-1281	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,196.81	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*686.45*	
		For >6 Months (>26 Weeks), Deduct	*-137.29*	
01 22 23 00-1282	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,614.14	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*121.92*	
		For Half Day Usage, Deduct	*-692.77*	
01 22 23 00-1283	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,491.93	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*293.87*	
01 22 23 00-1284	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	25,422.26	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*731.54*	
		For >6 Months (>26 Weeks), Deduct	*-146.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1285		**Straight Mast, Industrial Warehouse Forklifts** *(01 22 23 00-1187)*		
		Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-1286	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,351.88	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*69.47*	
		For Half Day Usage, Deduct	*-610.81*	
01 22 23 00-1287	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,816.56	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*158.79*	
01 22 23 00-1288	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,666.77	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*380.44*	
		For >6 Months (>26 Weeks), Deduct	*-76.09*	
01 22 23 00-1289	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,360.15	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*71.13*	
		For Half Day Usage, Deduct	*-613.39*	
01 22 23 00-1290	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,841.37	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*163.76*	
01 22 23 00-1291	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,724.66	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*392.02*	
		For >6 Months (>26 Weeks), Deduct	*-78.40*	
01 22 23 00-1292	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,533.83	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*105.86*	
		For Half Day Usage, Deduct	*-667.67*	
01 22 23 00-1293	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,221.81	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*239.84*	
01 22 23 00-1294	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,659.23	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*578.94*	
		For >6 Months (>26 Weeks), Deduct	*-115.79*	
01 22 23 00-1295	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,550.37	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*109.17*	
		For Half Day Usage, Deduct	*-672.84*	
01 22 23 00-1296	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,362.41	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*267.96*	
01 22 23 00-1297	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,155.45	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*678.18*	
		For >6 Months (>26 Weeks), Deduct	*-135.64*	
01 22 23 00-1298	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,699.24	
		For Equipment Without Operator, Deduct	*-1,004.52*	
		For Propane Instead Of Gas Or Diesel, Add	*138.94*	
		For Half Day Usage, Deduct	*-719.36*	
01 22 23 00-1299	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,602.26	
		For Equipment Without Operator, Deduct	*-5,022.59*	
		For Propane Instead Of Gas Or Diesel, Add	*315.93*	
01 22 23 00-1300	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,568.98	
		For Equipment Without Operator, Deduct	*-21,764.55*	
		For Propane Instead Of Gas Or Diesel, Add	*760.89*	
		For >6 Months (>26 Weeks), Deduct	*-152.18*	
01 22 23 00-1301		**Chain Hoists** *(01 22 23 00-1187)*		
		Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-1302	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-1303	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	
01 22 23 00-1304	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	
01 22 23 00-1305	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-1306	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-1307	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks), Deduct	*-9.26*	
01 22 23 00-1308	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-1309	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-1310	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks), Deduct	*-13.52*	
01 22 23 00-1311	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-1312	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-1313	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks), Deduct	*-25.04*	
01 22 23 00-1314	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-1315	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1316	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks), Deduct	*-26.29*	
01 22 23 00-1317	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-1318	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-1319	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	

01 22 23 00-1320 Roof Swing Hoist *(01 22 23 00-1187)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1321	DAY	Up To 400 Lb., Manual Swing Roof Hoist	106.00	
		For Half Day Usage, Deduct	*-33.13*	
01 22 23 00-1322	WK	Up To 400 Lb., Manual Swing Roof Hoist	371.02	
01 22 23 00-1323	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,272.06	
		For >6 Months (>26 Weeks), Deduct	*-50.88*	

01 22 23 00-1324 Truck Mounted Digger Derrick *(01 22 23 00-1187)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1325	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,752.24	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-748.65*	
01 22 23 00-1326	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,401.54	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1327	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,674.24	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-217.54*	
01 22 23 00-1328	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,891.97	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-792.32*	
01 22 23 00-1329	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,820.73	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1330	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	29,792.09	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-262.26*	
01 22 23 00-1331	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,755.43	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,072.42*	
		For Half Day Usage, Deduct	*-1,062.15*	
01 22 23 00-1332	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	10,411.11	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,362.08*	
01 22 23 00-1333	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	36,699.76	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-23,235.68*	
		For >6 Months (>26 Weeks), Deduct	*-538.56*	

01 22 23 00-1334 Pumping Equipment *(01 22 23)*

01 22 23 00-1335 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1359 for larger diameter pumps.

01 22 23 00-1336	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	85.33	
		For >8 To 16 Hours Usage Per Day, Add	*34.13*	
		For >16 To 24 Hours Usage Per Day, Add	*68.26*	
01 22 23 00-1337	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	192.00	
		For >40 To 80 Hours Usage Per Week, Add	*76.80*	
		For >80 Hours Usage Per Week, Add	*153.60*	
01 22 23 00-1338	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	511.99	
		For >160 To 320 Hours Usage Per Month, Add	*204.80*	
		For >320 Hours Usage Per Month, Add	*409.59*	
		For >6 Months (>26 Weeks), Deduct	*-20.48*	
01 22 23 00-1339	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	102.40	
		For >8 To 16 Hours Usage Per Day, Add	*40.96*	
		For >16 To 24 Hours Usage Per Day, Add	*81.92*	
01 22 23 00-1340	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	230.40	
		For >40 To 80 Hours Usage Per Week, Add	*92.16*	
		For >80 Hours Usage Per Week, Add	*184.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1341	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	614.39	
		For >160 To 320 Hours Usage Per Month, Add	*245.76*	
		For >320 Hours Usage Per Month, Add	*491.51*	
		For >6 Months (>26 Weeks), Deduct	*-24.58*	

01 22 23 00-1342 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1343	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	98.13	
		For >8 To 16 Hours Usage Per Day, Add	*39.25*	
		For >16 To 24 Hours Usage Per Day, Add	*78.50*	
01 22 23 00-1344	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	277.33	
		For >40 To 80 Hours Usage Per Week, Add	*110.93*	
		For >80 Hours Usage Per Week, Add	*221.86*	
01 22 23 00-1345	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	703.99	
		For >160 To 320 Hours Usage Per Month, Add	*281.60*	
		For >320 Hours Usage Per Month, Add	*563.19*	
		For >6 Months (>26 Weeks), Deduct	*-28.16*	
01 22 23 00-1346	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	119.46	
		For >8 To 16 Hours Usage Per Day, Add	*47.78*	
		For >16 To 24 Hours Usage Per Day, Add	*95.57*	
01 22 23 00-1347	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	320.00	
		For >40 To 80 Hours Usage Per Week, Add	*128.00*	
		For >80 Hours Usage Per Week, Add	*256.00*	
01 22 23 00-1348	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	906.65	
		For >160 To 320 Hours Usage Per Month, Add	*362.66*	
		For >320 Hours Usage Per Month, Add	*725.32*	
		For >6 Months (>26 Weeks), Deduct	*-36.27*	

01 22 23 00-1349 Gas Powered Portable Trash Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1350	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	123.73	
		For >8 To 16 Hours Usage Per Day, Add	*49.49*	
		For >16 To 24 Hours Usage Per Day, Add	*98.98*	
01 22 23 00-1351	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	256.00	
		For >40 To 80 Hours Usage Per Week, Add	*102.40*	
		For >80 Hours Usage Per Week, Add	*204.80*	
01 22 23 00-1352	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	767.99	
		For >160 To 320 Hours Usage Per Month, Add	*307.20*	
		For >320 Hours Usage Per Month, Add	*614.39*	
		For >6 Months (>26 Weeks), Deduct	*-30.72*	
01 22 23 00-1353	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	123.73	
		For >8 To 16 Hours Usage Per Day, Add	*49.49*	
		For >16 To 24 Hours Usage Per Day, Add	*98.98*	
01 22 23 00-1354	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	330.66	
		For >40 To 80 Hours Usage Per Week, Add	*132.26*	
		For >80 Hours Usage Per Week, Add	*264.53*	
01 22 23 00-1355	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	906.65	
		For >160 To 320 Hours Usage Per Month, Add	*362.66*	
		For >320 Hours Usage Per Month, Add	*725.32*	
		For >6 Months (>26 Weeks), Deduct	*-36.27*	
01 22 23 00-1356	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	196.26	
		For >8 To 16 Hours Usage Per Day, Add	*78.50*	
		For >16 To 24 Hours Usage Per Day, Add	*157.01*	
01 22 23 00-1357	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	554.66	
		For >40 To 80 Hours Usage Per Week, Add	*221.86*	
		For >80 Hours Usage Per Week, Add	*443.73*	
01 22 23 00-1358	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,610.64	
		For >160 To 320 Hours Usage Per Month, Add	*644.26*	
		For >320 Hours Usage Per Month, Add	*1,288.51*	
		For >6 Months (>26 Weeks), Deduct	*-64.43*	

01 22 23 00-1359 Diesel Powered Portable Trash Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1360	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	383.99	
		For >8 To 16 Hours Usage Per Day, Add	*153.60*	
		For >16 To 24 Hours Usage Per Day, Add	*307.19*	
01 22 23 00-1361	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,045.32	
		For >40 To 80 Hours Usage Per Week, Add	*418.13*	
		For >80 Hours Usage Per Week, Add	*836.26*	
01 22 23 00-1362	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,554.60	
		For >160 To 320 Hours Usage Per Month, Add	*1,821.84*	
		For >320 Hours Usage Per Month, Add	*3,643.68*	
		For >6 Months (>26 Weeks), Deduct	*-182.18*	
01 22 23 00-1363	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	586.66	
		For >8 To 16 Hours Usage Per Day, Add	*234.66*	
		For >16 To 24 Hours Usage Per Day, Add	*469.33*	
01 22 23 00-1364	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,535.98	
		For >40 To 80 Hours Usage Per Week, Add	*614.39*	
		For >80 Hours Usage Per Week, Add	*1,228.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1365	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,085.27	
		For >160 To 320 Hours Usage Per Month, Add	*1,634.11*	
		For >320 Hours Usage Per Month, Add	*3,268.22*	
		For >6 Months (>26 Weeks), Deduct	*-163.41*	
01 22 23 00-1366	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	797.85	
		For >8 To 16 Hours Usage Per Day, Add	*319.14*	
		For >16 To 24 Hours Usage Per Day, Add	*638.28*	
01 22 23 00-1367	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,135.43	
		For >40 To 80 Hours Usage Per Week, Add	*854.17*	
		For >80 Hours Usage Per Week, Add	*1,708.34*	
01 22 23 00-1368	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,712.98	
		For >160 To 320 Hours Usage Per Month, Add	*2,285.19*	
		For >320 Hours Usage Per Month, Add	*4,570.38*	
		For >6 Months (>26 Weeks), Deduct	*-228.52*	
01 22 23 00-1369	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,032.52	
		For >8 To 16 Hours Usage Per Day, Add	*413.01*	
		For >16 To 24 Hours Usage Per Day, Add	*826.02*	
01 22 23 00-1370	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,636.76	
		For >40 To 80 Hours Usage Per Week, Add	*1,054.70*	
		For >80 Hours Usage Per Week, Add	*2,109.41*	
01 22 23 00-1371	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,743.88	
		For >160 To 320 Hours Usage Per Month, Add	*3,097.55*	
		For >320 Hours Usage Per Month, Add	*6,195.10*	
		For >6 Months (>26 Weeks), Deduct	*-309.76*	

01 22 23 00-1372 Diesel Powered Portable High Head Trash Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1373	DAY	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	511.99	
		For >8 To 16 Hours Usage Per Day, Add	*204.80*	
		For >16 To 24 Hours Usage Per Day, Add	*409.59*	
01 22 23 00-1374	WK	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	1,151.98	
		For >40 To 80 Hours Usage Per Week, Add	*460.79*	
		For >80 Hours Usage Per Week, Add	*921.58*	
01 22 23 00-1375	MO	27,000 GPH, 3" Suction, 3" Discharge, 300' Maximum Head, Diesel Powered Portable High Head Trash Pump	3,071.95	
		For >160 To 320 Hours Usage Per Month, Add	*1,228.78*	
		For >320 Hours Usage Per Month, Add	*2,457.56*	
		For >6 Months (>26 Weeks), Deduct	*-122.88*	
01 22 23 00-1376	DAY	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	767.99	
		For >8 To 16 Hours Usage Per Day, Add	*307.20*	
		For >16 To 24 Hours Usage Per Day, Add	*614.39*	
01 22 23 00-1377	WK	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	2,054.37	
		For >40 To 80 Hours Usage Per Week, Add	*821.75*	
		For >80 Hours Usage Per Week, Add	*1,643.50*	
01 22 23 00-1378	MO	90,000 GPH, 6" Suction, 4" Discharge, 330' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,759.91	
		For >160 To 320 Hours Usage Per Month, Add	*2,303.96*	
		For >320 Hours Usage Per Month, Add	*4,607.93*	
		For >6 Months (>26 Weeks), Deduct	*-230.40*	
01 22 23 00-1379	DAY	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	938.65	
		For >8 To 16 Hours Usage Per Day, Add	*375.46*	
		For >16 To 24 Hours Usage Per Day, Add	*750.92*	
		For Half Day Usage, Deduct	*-293.33*	
01 22 23 00-1380	WK	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	2,111.97	
		For >40 To 80 Hours Usage Per Week, Add	*844.79*	
		For >80 Hours Usage Per Week, Add	*1,689.58*	
01 22 23 00-1381	MO	135,000 GPH, 8" Suction, 6" Discharge, 320' Maximum Head, Diesel Powered Portable High Head Trash Pump	5,631.91	
		For >160 To 320 Hours Usage Per Month, Add	*2,252.76*	
		For >320 Hours Usage Per Month, Add	*4,505.53*	
		For >6 Months (>26 Weeks), Deduct	*-225.28*	

01 22 23 00-1382 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1383	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	548.26	
		For >8 To 16 Hours Usage Per Day, Add	*219.30*	
		For >16 To 24 Hours Usage Per Day, Add	*438.61*	
01 22 23 00-1384	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,247.98	
		For >40 To 80 Hours Usage Per Week, Add	*499.19*	
		For >80 Hours Usage Per Week, Add	*998.38*	
01 22 23 00-1385	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,891.14	
		For >160 To 320 Hours Usage Per Month, Add	*1,556.46*	
		For >320 Hours Usage Per Month, Add	*3,112.91*	
		For >6 Months (>26 Weeks), Deduct	*-155.65*	
01 22 23 00-1386	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	671.99	
		For >8 To 16 Hours Usage Per Day, Add	*268.80*	
		For >16 To 24 Hours Usage Per Day, Add	*537.59*	
01 22 23 00-1387	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,674.64	
		For >40 To 80 Hours Usage Per Week, Add	*669.86*	
		For >80 Hours Usage Per Week, Add	*1,339.71*	
01 22 23 00-1388	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,554.60	
		For >160 To 320 Hours Usage Per Month, Add	*1,821.84*	
		For >320 Hours Usage Per Month, Add	*3,643.68*	
		For >6 Months (>26 Weeks), Deduct	*-182.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1389	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	810.65	
		For >8 To 16 Hours Usage Per Day, Add	*324.26*	
		For >16 To 24 Hours Usage Per Day, Add	*648.52*	
01 22 23 00-1390	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,397.83	
		For >40 To 80 Hours Usage Per Week, Add	*959.13*	
		For >80 Hours Usage Per Week, Add	*1,918.26*	
01 22 23 00-1391	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,687.90	
		For >160 To 320 Hours Usage Per Month, Add	*2,675.16*	
		For >320 Hours Usage Per Month, Add	*5,350.32*	
		For >6 Months (>26 Weeks), Deduct	*-267.52*	
01 22 23 00-1392	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,220.25	
		For >8 To 16 Hours Usage Per Day, Add	*488.10*	
		For >16 To 24 Hours Usage Per Day, Add	*976.20*	
01 22 23 00-1393	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,116.75	
		For >40 To 80 Hours Usage Per Week, Add	*1,246.70*	
		For >80 Hours Usage Per Week, Add	*2,493.40*	
01 22 23 00-1394	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	9,151.86	
		For >160 To 320 Hours Usage Per Month, Add	*3,660.74*	
		For >320 Hours Usage Per Month, Add	*7,321.49*	
		For >6 Months (>26 Weeks), Deduct	*-366.07*	

01 22 23 00-1395 3 Phase Electric Submersible Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1396	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	213.33	
01 22 23 00-1397	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	533.32	
01 22 23 00-1398	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,599.98	
		For >6 Months (>26 Weeks), Deduct	*-64.00*	
01 22 23 00-1399	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	281.60	
01 22 23 00-1400	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	703.99	
01 22 23 00-1401	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,111.97	
		For >6 Months (>26 Weeks), Deduct	*-84.48*	

01 22 23 00-1402 Suction Hose With Couplings *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1403	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	4.67	
		For Half Day Usage, Deduct	*-1.46*	
01 22 23 00-1404	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	11.67	
01 22 23 00-1405	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	35.79	
		For >6 Months (>26 Weeks), Deduct	*-1.43*	
01 22 23 00-1406	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	12.45	
		For Half Day Usage, Deduct	*-3.89*	
01 22 23 00-1407	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	31.90	
01 22 23 00-1408	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	97.25	
		For >6 Months (>26 Weeks), Deduct	*-3.89*	
01 22 23 00-1409	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	18.67	
		For Half Day Usage, Deduct	*-5.83*	
01 22 23 00-1410	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	47.46	
01 22 23 00-1411	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	143.93	
		For >6 Months (>26 Weeks), Deduct	*-5.76*	
01 22 23 00-1412	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	23.34	
		For Half Day Usage, Deduct	*-7.29*	
01 22 23 00-1413	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	58.35	
01 22 23 00-1414	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	171.16	
		For >6 Months (>26 Weeks), Deduct	*-6.85*	
01 22 23 00-1415	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	54.46	
		For Half Day Usage, Deduct	*-17.02*	
01 22 23 00-1416	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	140.04	
01 22 23 00-1417	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	412.34	
		For >6 Months (>26 Weeks), Deduct	*-16.49*	
01 22 23 00-1418	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	73.13	
		For Half Day Usage, Deduct	*-22.85*	
01 22 23 00-1419	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	159.49	
01 22 23 00-1420	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	478.47	
		For >6 Months (>26 Weeks), Deduct	*-19.14*	

01 22 23 00-1421 Discharge Hose With Couplings *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1422	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	4.67	
		For Half Day Usage, Deduct	*-1.46*	
01 22 23 00-1423	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	11.67	
01 22 23 00-1424	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	35.79	
		For >6 Months (>26 Weeks), Deduct	*-1.43*	
01 22 23 00-1425	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	5.45	
		For Half Day Usage, Deduct	*-1.70*	
01 22 23 00-1426	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	13.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1427	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	41.23	
		For >6 Months (>26 Weeks), Deduct	*-1.65*	
01 22 23 00-1428	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.22	
		For Half Day Usage, Deduct	*-1.94*	
01 22 23 00-1429	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	15.56	
01 22 23 00-1430	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	47.46	
		For >6 Months (>26 Weeks), Deduct	*-1.90*	
01 22 23 00-1431	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.34	
		For Half Day Usage, Deduct	*-5.11*	
01 22 23 00-1432	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	42.01	
01 22 23 00-1433	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	120.59	
		For >6 Months (>26 Weeks), Deduct	*-4.82*	
01 22 23 00-1434	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	20.23	
		For Half Day Usage, Deduct	*-6.32*	
01 22 23 00-1435	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	55.24	
01 22 23 00-1436	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	151.71	
		For >6 Months (>26 Weeks), Deduct	*-6.07*	
01 22 23 00-1437	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	15.56	
		For Half Day Usage, Deduct	*-4.86*	
01 22 23 00-1438	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	38.90	
01 22 23 00-1439	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	116.70	
		For >6 Months (>26 Weeks), Deduct	*-4.67*	
01 22 23 00-1440	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	39.68	
		For Half Day Usage, Deduct	*-12.40*	
01 22 23 00-1441	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	101.14	
01 22 23 00-1442	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	299.53	
		For >6 Months (>26 Weeks), Deduct	*-11.98*	

01 22 23 00-1443 Hydraulic Submersible Pumps *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1444 Hydraulic Submersible Pumps *(01 22 23 00-1443)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1445	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	140.80	
		For >8 To 16 Hours Usage Per Day, Add	*56.32*	
		For >16 To 24 Hours Usage Per Day, Add	*112.64*	
01 22 23 00-1446	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	377.59	
		For >40 To 80 Hours Usage Per Week, Add	*151.04*	
		For >80 Hours Usage Per Week, Add	*302.07*	
01 22 23 00-1447	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,055.98	
		For >160 To 320 Hours Usage Per Month, Add	*422.39*	
		For >320 Hours Usage Per Month, Add	*844.78*	
		For >6 Months (>26 Weeks), Deduct	*-42.24*	
01 22 23 00-1448	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	179.20	
		For >8 To 16 Hours Usage Per Day, Add	*71.68*	
		For >16 To 24 Hours Usage Per Day, Add	*143.36*	
01 22 23 00-1449	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	460.79	
		For >40 To 80 Hours Usage Per Week, Add	*184.32*	
		For >80 Hours Usage Per Week, Add	*368.63*	
01 22 23 00-1450	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,407.98	
		For >160 To 320 Hours Usage Per Month, Add	*563.19*	
		For >320 Hours Usage Per Month, Add	*1,126.38*	
		For >6 Months (>26 Weeks), Deduct	*-56.32*	

01 22 23 00-1451 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1443)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1452	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	325.33	
		For >8 To 16 Hours Usage Per Day, Add	*130.13*	
		For >16 To 24 Hours Usage Per Day, Add	*260.26*	
01 22 23 00-1453	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	970.65	
		For >40 To 80 Hours Usage Per Week, Add	*388.26*	
		For >80 Hours Usage Per Week, Add	*776.52*	
01 22 23 00-1454	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,559.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,023.98*	
		For >320 Hours Usage Per Month, Add	*2,047.97*	
		For >6 Months (>26 Weeks), Deduct	*-102.40*	

01 22 23 00-1455 HDPE Pipe With Couplings *(01 22 23 00-1334)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1456	DAY	4" Diameter x 50' Length, HDPE Pipe With Couplings	14.70	
		For Half Day Usage, Deduct	*-4.59*	
01 22 23 00-1457	WK	4" Diameter x 50' Length, HDPE Pipe With Couplings	35.27	
01 22 23 00-1458	MO	4" Diameter x 50' Length, HDPE Pipe With Couplings	108.75	
		For >6 Months (>26 Weeks), Deduct	*-4.35*	
01 22 23 00-1459	DAY	6" Diameter x 50' Length, HDPE Pipe With Couplings	23.51	
		For Half Day Usage, Deduct	*-7.35*	
01 22 23 00-1460	WK	6" Diameter x 50' Length, HDPE Pipe With Couplings	58.79	
01 22 23 00-1461	MO	6" Diameter x 50' Length, HDPE Pipe With Couplings	179.30	
		For >6 Months (>26 Weeks), Deduct	*-7.17*	
01 22 23 00-1462	DAY	8" Diameter x 50' Length, HDPE Pipe With Couplings	38.21	
		For Half Day Usage, Deduct	*-11.94*	
01 22 23 00-1463	WK	8" Diameter x 50' HDPE Length, HDPE With Couplings	99.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1464	MO	8" Diameter x 50' Length, HDPE Pipe With Couplings	296.87	
		For >6 Months (>26 Weeks), Deduct	*-11.87*	
01 22 23 00-1465	DAY	10" Diameter x 50' Length, HDPE Pipe With Couplings	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1466	WK	10" Diameter x 50' Length, HDPE Pipe With Couplings	120.51	
01 22 23 00-1467	MO	10" Diameter x 50' Length, HDPE Pipe With Couplings	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1468	DAY	12" Diameter x 20' Length, HDPE Pipe With Couplings	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1469	WK	12" Diameter x 20' Length, HDPE Pipe With Couplings	97.00	
01 22 23 00-1470	MO	12" Diameter x 20' Length, HDPE Pipe With Couplings	293.93	
		For >6 Months (>26 Weeks), Deduct	*-11.76*	
01 22 23 00-1471	DAY	4" Diameter Elbow For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1472	WK	4" Diameter Elbow For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1473	MO	4" Diameter Elbow For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1474	DAY	6" Diameter Elbow For HDPE Pipe, Quick Connect	41.15	
		For Half Day Usage, Deduct	*-12.86*	
01 22 23 00-1475	WK	6" Diameter Elbow For HDPE Pipe, Quick Connect	105.81	
01 22 23 00-1476	MO	6" Diameter Elbow For HDPE Pipe, Quick Connect	323.32	
		For >6 Months (>26 Weeks), Deduct	*-12.93*	
01 22 23 00-1477	DAY	8" Diameter Elbow For HDPE Pipe, Quick Connect	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1478	WK	8" Diameter Elbow For HDPE Pipe, Quick Connect	120.51	
01 22 23 00-1479	MO	8" Diameter Elbow For HDPE Pipe, Quick Connect	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1480	DAY	10" Diameter Elbow For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1481	WK	10" Diameter Elbow For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1482	MO	10" Diameter Elbow For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1483	DAY	12" Diameter Elbow For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1484	WK	12" Diameter Elbow For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1485	MO	12" Diameter Elbow For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1486	DAY	4" Diameter Tee For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1487	WK	4" Diameter Tee For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1488	MO	4" Diameter Tee For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1489	DAY	6" Diameter Tee For HDPE Pipe, Quick Connect	47.03	
		For Half Day Usage, Deduct	*-14.70*	
01 22 23 00-1490	WK	6" Diameter Tee For HDPE Pipe, Quick Connect	120.51	
01 22 23 00-1491	MO	6" Diameter Tee For HDPE Pipe, Quick Connect	367.41	
		For >6 Months (>26 Weeks), Deduct	*-14.70*	
01 22 23 00-1492	DAY	8" Diameter Tee For HDPE Pipe, Quick Connect	58.79	
		For Half Day Usage, Deduct	*-18.37*	
01 22 23 00-1493	WK	8" Diameter Tee For HDPE Pipe, Quick Connect	149.90	
01 22 23 00-1494	MO	8" Diameter Tee For HDPE Pipe, Quick Connect	455.59	
		For >6 Months (>26 Weeks), Deduct	*-18.22*	
01 22 23 00-1495	DAY	10" Diameter Tee For HDPE Pipe, Quick Connect	70.54	
		For Half Day Usage, Deduct	*-22.04*	
01 22 23 00-1496	WK	10" Diameter Tee For HDPE Pipe, Quick Connect	179.30	
01 22 23 00-1497	MO	10" Diameter Tee For HDPE Pipe, Quick Connect	543.77	
		For >6 Months (>26 Weeks), Deduct	*-21.75*	
01 22 23 00-1498	DAY	12" Diameter Tee For HDPE Pipe, Quick Connect	70.54	
		For Half Day Usage, Deduct	*-22.04*	
01 22 23 00-1499	WK	12" Diameter Tee For HDPE Pipe, Quick Connect	179.30	
01 22 23 00-1500	MO	12" Diameter Tee For HDPE Pipe, Quick Connect	543.77	
		For >6 Months (>26 Weeks), Deduct	*-21.75*	
01 22 23 00-1501	DAY	4" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1502	WK	4" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1503	MO	4" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1504	DAY	6" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1505	WK	6" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1506	MO	6" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1507	DAY	8" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1508	WK	8" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1509	MO	8" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1510	DAY	10" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	
01 22 23 00-1511	WK	10" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1512	MO	10" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1513	DAY	12" Diameter Cap For HDPE Pipe, Quick Connect	5.88	
		For Half Day Usage, Deduct	*-1.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1514	WK	12" Diameter Cap For HDPE Pipe, Quick Connect	17.64	
01 22 23 00-1515	MO	12" Diameter Cap For HDPE Pipe, Quick Connect	52.91	
		For >6 Months (>26 Weeks), Deduct	*-2.12*	
01 22 23 00-1516	DAY	4" Diameter Wye For HDPE Pipe, Quick Connect	17.64	
		For Half Day Usage, Deduct	*-5.51*	
01 22 23 00-1517	WK	4" Diameter Wye For HDPE Pipe, Quick Connect	44.09	
01 22 23 00-1518	MO	4" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
		For >6 Months (>26 Weeks), Deduct	*-5.41*	
01 22 23 00-1519	DAY	6" Diameter Wye For HDPE Pipe, Quick Connect	20.58	
		For Half Day Usage, Deduct	*-6.43*	
01 22 23 00-1520	WK	6" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
01 22 23 00-1521	MO	6" Diameter Wye For HDPE Pipe, Quick Connect	161.66	
		For >6 Months (>26 Weeks), Deduct	*-6.47*	
01 22 23 00-1522	DAY	8" Diameter Wye For HDPE Pipe, Quick Connect	35.27	
		For Half Day Usage, Deduct	*-11.02*	
01 22 23 00-1523	WK	8" Diameter Wye For HDPE Pipe, Quick Connect	91.12	
01 22 23 00-1524	MO	8" Diameter Wye For HDPE Pipe, Quick Connect	270.42	
		For >6 Months (>26 Weeks), Deduct	*-10.82*	
01 22 23 00-1525	DAY	10" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
		For Half Day Usage, Deduct	*-16.53*	
01 22 23 00-1526	WK	10" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
01 22 23 00-1527	MO	10" Diameter Wye For HDPE Pipe, Quick Connect	411.50	
		For >6 Months (>26 Weeks), Deduct	*-16.46*	
01 22 23 00-1528	DAY	12" Diameter Wye For HDPE Pipe, Quick Connect	52.91	
		For Half Day Usage, Deduct	*-16.53*	
01 22 23 00-1529	WK	12" Diameter Wye For HDPE Pipe, Quick Connect	135.21	
01 22 23 00-1530	MO	12" Diameter Wye For HDPE Pipe, Quick Connect	411.50	
		For >6 Months (>26 Weeks), Deduct	*-16.46*	

01 22 23 00-1531 Temporary Building Services *(01 22 23)*

01 22 23 00-1532 Boilers *(01 22 23 00-1531)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1533 Electric Boilers *(01 22 23 00-1532)*

01 22 23 00-1534	MO	40 MBH, 12 KW Electric Boiler Rental	2,882.75
01 22 23 00-1535	MO	60 MBH, 20 KW Electric Boiler Rental	3,144.86
01 22 23 00-1536	MO	95 MBH, 30 KW Electric Boiler Rental	3,275.92
01 22 23 00-1537	MO	135 MBH, 40 KW Electric Boiler Rental	3,668.96
01 22 23 00-1538	MO	165 MBH, 50 KW Electric Boiler Rental	5,110.33
01 22 23 00-1539	MO	215 MBH, 60 KW Electric Boiler Rental	5,896.56
01 22 23 00-1540	MO	365 MBH, 100 KW Electric Boiler Rental	7,731.10
01 22 23 00-1541	MO	510 MBH, 150 KW Electric Boiler Rental	9,434.58

01 22 23 00-1542 Oil Fired Hot Water Boilers *(01 22 23 00-1532)*

01 22 23 00-1543	MO	500 MBH, 15 HP, Oil Fired Hot Water Boiler Rental	2,536.21
01 22 23 00-1544	MO	1,000 MBH, 30 HP, Oil Fired Hot Water Boiler Rental	3,099.15
01 22 23 00-1545	MO	1,500 MBH, 45 HP, Oil Fired Hot Water Boiler Rental	3,663.41
01 22 23 00-1546	MO	2,000 MBH, 60 HP, Oil Fired Hot Water Boiler Rental	4,227.03
01 22 23 00-1547	MO	2,500 MBH, 75 HP, Oil Fired Hot Water Boiler Rental	4,790.64
01 22 23 00-1548	MO	3,000 MBH, 90 HP, Oil Fired Hot Water Boiler Rental	5,354.22
01 22 23 00-1549	MO	3,500 MBH, 105 HP, Oil Fired Hot Water Boiler Rental	6,763.23
01 22 23 00-1550	MO	4,000 MBH, 120 HP, Oil Fired Hot Water Boiler Rental	7,890.44
01 22 23 00-1551	MO	4,500 MBH, 135 HP, Oil Fired Hot Water Boiler Rental	7,980.11
01 22 23 00-1552	MO	5,000 MBH, 150 HP, Oil Fired Hot Water Boiler Rental	8,069.77
01 22 23 00-1553	MO	5,500 MBH, 165 HP, Oil Fired Hot Water Boiler Rental	8,454.04
01 22 23 00-1554	MO	6,000 MBH, 180 HP, Oil Fired Hot Water Boiler Rental	8,966.40
01 22 23 00-1555	MO	6,500 MBH, 195 HP, Oil Fired Hot Water Boiler Rental	9,478.77
01 22 23 00-1556	MO	7,000 MBH, 210 HP, Oil Fired Hot Water Boiler Rental	9,991.14
01 22 23 00-1557	MO	7,500 MBH, 225 HP, Oil Fired Hot Water Boiler Rental	10,503.51
01 22 23 00-1558	MO	8,000 MBH, 240 HP, Oil Fired Hot Water Boiler Rental	11,015.87
01 22 23 00-1559	MO	8,500 MBH, 255 HP, Oil Fired Hot Water Boiler Rental	11,528.24
01 22 23 00-1560	MO	9,000 MBH, 270 HP, Oil Fired Hot Water Boiler Rental	12,040.61
01 22 23 00-1561	MO	9,500 MBH, 285 HP, Oil Fired Hot Water Boiler Rental	12,552.97
01 22 23 00-1562	MO	10,000 MBH, 300 HP, Oil Fired Hot Water Boiler Rental	13,065.34
01 22 23 00-1563	MO	10,500 MBH, 315 HP, Oil Fired Hot Water Boiler Rental	13,577.71
01 22 23 00-1564	MO	11,000 MBH, 330 HP, Oil Fired Hot Water Boiler Rental	14,090.08
01 22 23 00-1565	MO	11,500 MBH, 345 HP, Oil Fired Hot Water Boiler Rental	14,602.44
01 22 23 00-1566	MO	12,000 MBH, 360 HP, Oil Fired Hot Water Boiler Rental	15,114.81
01 22 23 00-1567	MO	12,500 MBH, 375 HP, Oil Fired Hot Water Boiler Rental	15,627.18
01 22 23 00-1568	MO	13,000 MBH, 390 HP, Oil Fired Hot Water Boiler Rental	16,139.54
01 22 23 00-1569	MO	13,500 MBH, 405 HP, Oil Fired Hot Water Boiler Rental	16,651.90
01 22 23 00-1570	MO	14,000 MBH, 420 HP, Oil Fired Hot Water Boiler Rental	17,164.26
01 22 23 00-1571	MO	14,500 MBH, 435 HP, Oil Fired Hot Water Boiler Rental	17,676.63
01 22 23 00-1572	MO	15,000 MBH, 450 HP, Oil Fired Hot Water Boiler Rental	18,189.00
01 22 23 00-1573	MO	15,500 MBH, 465 HP, Oil Fired Hot Water Boiler Rental	18,701.37
01 22 23 00-1574	MO	16,000 MBH, 480 HP, Oil Fired Hot Water Boiler Rental	19,213.73
01 22 23 00-1575	MO	16,500 MBH, 495 HP, Oil Fired Hot Water Boiler Rental	19,726.10
01 22 23 00-1576	MO	17,000 MBH, 510 HP, Oil Fired Hot Water Boiler Rental	20,238.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1577		**Boilers Set-up** *(01 22 23 00-1532)*		
01 22 23 00-1578	EA	Set-up Charge For Rental Boiler Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	8,211.48	
01 22 23 00-1579		**Chillers** *(01 22 23 00-1531)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1580		**Air-Cooled Chillers** *(01 22 23 00-1579)*		
01 22 23 00-1581	MO	25 Ton Air-Cooled Chiller Rental	2,552.14	
		For >3 To 6 Month Rental, Deduct	*-382.82*	
		For >6 Months (>26 Weeks), Deduct	*-638.04*	
01 22 23 00-1582	MO	40 Ton Air-Cooled Chiller Rental	4,083.43	
		For >3 To 6 Month Rental, Deduct	*-612.51*	
		For >6 Months (>26 Weeks), Deduct	*-1,020.86*	
01 22 23 00-1583	MO	60 Ton Air-Cooled Chiller Rental	4,994.49	
		For >3 To 6 Month Rental, Deduct	*-749.17*	
		For >6 Months (>26 Weeks), Deduct	*-1,248.62*	
01 22 23 00-1584	MO	80 Ton Air-Cooled Chiller Rental	5,905.56	
		For >3 To 6 Month Rental, Deduct	*-885.83*	
		For >6 Months (>26 Weeks), Deduct	*-1,476.39*	
01 22 23 00-1585	MO	100 Ton Air-Cooled Chiller Rental	6,816.62	
		For >3 To 6 Month Rental, Deduct	*-1,022.49*	
		For >6 Months (>26 Weeks), Deduct	*-1,704.16*	
01 22 23 00-1586	MO	125 Ton Air-Cooled Chiller Rental	7,897.19	
		For >3 To 6 Month Rental, Deduct	*-1,184.58*	
		For >6 Months (>26 Weeks), Deduct	*-1,974.30*	
01 22 23 00-1587	MO	155 Ton Air-Cooled Chiller Rental	9,553.67	
		For >3 To 6 Month Rental, Deduct	*-1,433.05*	
		For >6 Months (>26 Weeks), Deduct	*-2,388.42*	
01 22 23 00-1588	MO	170 Ton Air-Cooled Chiller Rental	10,216.26	
		For >3 To 6 Month Rental, Deduct	*-1,532.44*	
		For >6 Months (>26 Weeks), Deduct	*-2,554.07*	
01 22 23 00-1589	MO	200 Ton Air-Cooled Chiller Rental	11,735.99	
		For >3 To 6 Month Rental, Deduct	*-1,760.40*	
		For >6 Months (>26 Weeks), Deduct	*-2,934.00*	
01 22 23 00-1590	MO	250 Ton Air-Cooled Chiller Rental	13,964.54	
		For >3 To 6 Month Rental, Deduct	*-2,094.68*	
		For >6 Months (>26 Weeks), Deduct	*-3,491.14*	
01 22 23 00-1591	MO	300 Ton Air-Cooled Chiller Rental Note: Includes trailer.	16,295.18	
		For >3 To 6 Month Rental, Deduct	*-2,444.28*	
		For >6 Months (>26 Weeks), Deduct	*-4,073.80*	
01 22 23 00-1592	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,495.77	
		For >3 To 6 Month Rental, Deduct	*-3,224.37*	
		For >6 Months (>26 Weeks), Deduct	*-5,373.94*	
01 22 23 00-1593	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,607.75	
		For >3 To 6 Month Rental, Deduct	*-3,991.16*	
		For >6 Months (>26 Weeks), Deduct	*-6,651.94*	
01 22 23 00-1594	EA	Set-up Charge For Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,707.98	
01 22 23 00-1595		**Chiller Rental Accessories** *(01 22 23 00-1579)*		
01 22 23 00-1596	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.48	
01 22 23 00-1597	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.84	
01 22 23 00-1598		**Cooling Tower** *(01 22 23 00-1531)* Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1599	MO	100 Ton Cooling Tower Rental	3,702.23	
		For >3 To 6 Months Rental, Deduct	*-555.33*	
		For >6 Months (>26 Weeks), Deduct	*-925.56*	
01 22 23 00-1600	MO	200 Ton Cooling Tower Rental	6,739.50	
		For >3 To 6 Months Rental, Deduct	*-1,010.93*	
		For >6 Months (>26 Weeks), Deduct	*-1,684.88*	
01 22 23 00-1601	MO	250 Ton Cooling Tower Rental	7,632.17	
		For >3 To 6 Months Rental, Deduct	*-1,144.83*	
		For >6 Months (>26 Weeks), Deduct	*-1,908.04*	
01 22 23 00-1602	MO	300 Ton Cooling Tower Rental	8,626.56	
		For >3 To 6 Months Rental, Deduct	*-1,293.98*	
		For >6 Months (>26 Weeks), Deduct	*-2,156.64*	
01 22 23 00-1603	MO	400 Ton Cooling Tower Rental	10,783.20	
		For >3 To 6 Months Rental, Deduct	*-1,617.48*	
		For >6 Months (>26 Weeks), Deduct	*-2,695.80*	
01 22 23 00-1604	MO	500 Ton Cooling Tower Rental	12,607.41	
		For >3 To 6 Months Rental, Deduct	*-1,891.11*	
		For >6 Months (>26 Weeks), Deduct	*-3,151.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1605	MO	Set-up Charge For Rental Cooling Tower Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	5,707.98	
01 22 23 00-1606		**Emergency Cooler/Freezer** *(01 22 23 00-1531)* Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1607	DAY	8 x 6 x 7 Emergency Cooler Rental	151.76	
		For Half Day Usage, Deduct	*-47.43*	
01 22 23 00-1608	WK	8 x 6 x 7 Emergency Cooler Rental	809.40	
01 22 23 00-1609	DAY	10 x 7 x 7 Emergency Cooler Rental	303.52	
		For Half Day Usage, Deduct	*-94.85*	
01 22 23 00-1610	WK	10 x 7 x 7 Emergency Cooler Rental	1,214.10	
01 22 23 00-1611	MO	10 x 7 x 7 Emergency Cooler Rental	3,035.25	
01 22 23 00-1612	DAY	10 x 7 x 7 Emergency Freezer Rental	354.11	
		For Half Day Usage, Deduct	*-110.66*	
01 22 23 00-1613	WK	10 x 7 x 7 Emergency Freezer Rental	1,416.45	
01 22 23 00-1614	MO	10 x 7 x 7 Emergency Freezer Rental	3,642.30	
01 22 23 00-1615	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	404.70	
		For Half Day Usage, Deduct	*-126.47*	
01 22 23 00-1616	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,618.80	
01 22 23 00-1617	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	4,047.00	
01 22 23 00-1618		**Fuel Oil Tank** *(01 22 23 00-1531)* Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0890 for reimbursable fuel fees.		
01 22 23 00-1619	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	396.94	
		For >6 Months (>26 Weeks), Deduct	*-15.88*	
01 22 23 00-1620	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	617.46	
		For >6 Months (>26 Weeks), Deduct	*-24.70*	
01 22 23 00-1621	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,543.66	
		For >6 Months (>26 Weeks), Deduct	*-61.75*	
01 22 23 00-1622	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,572.76	
		For >6 Months (>26 Weeks), Deduct	*-102.91*	
01 22 23 00-1623	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,396.05	
		For >6 Months (>26 Weeks), Deduct	*-135.84*	
01 22 23 00-1624	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,066.82	
		For >6 Months (>26 Weeks), Deduct	*-242.67*	
01 22 23 00-1625		**Portable Spot Cooling Units** *(01 22 23 00-1531)* Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1626	DAY	1 Ton Portable Spot Cooling Unit	147.20	
		For Half Day Usage, Deduct	*-46.00*	
01 22 23 00-1627	WK	1 Ton Portable Spot Cooling Unit	318.94	
01 22 23 00-1628	MO	1 Ton Portable Spot Cooling Unit	753.94	
		For >6 Months (>26 Weeks), Deduct	*-30.16*	
01 22 23 00-1629	DAY	1.5 Ton Portable Spot Cooling Unit	192.49	
		For Half Day Usage, Deduct	*-60.15*	
01 22 23 00-1630	WK	1.5 Ton Portable Spot Cooling Unit	395.37	
01 22 23 00-1631	MO	1.5 Ton Portable Spot Cooling Unit	927.56	
		For >6 Months (>26 Weeks), Deduct	*-37.10*	
01 22 23 00-1632	DAY	2 Ton Portable Spot Cooling Unit	259.49	
		For Half Day Usage, Deduct	*-81.09*	
01 22 23 00-1633	WK	2 Ton Portable Spot Cooling Unit	542.57	
01 22 23 00-1634	MO	2 Ton Portable Spot Cooling Unit	1,004.93	
		For >6 Months (>26 Weeks), Deduct	*-40.20*	
01 22 23 00-1635	DAY	3 Ton Portable Spot Cooling Unit	271.76	
		For Half Day Usage, Deduct	*-84.93*	
01 22 23 00-1636	WK	3 Ton Portable Spot Cooling Unit	575.60	
01 22 23 00-1637	MO	3 Ton Portable Spot Cooling Unit	1,271.97	
		For >6 Months (>26 Weeks), Deduct	*-50.88*	
01 22 23 00-1638	DAY	5 Ton Portable Spot Cooling Unit	424.62	
		For Half Day Usage, Deduct	*-132.69*	
01 22 23 00-1639	WK	5 Ton Portable Spot Cooling Unit	858.68	
01 22 23 00-1640	MO	5 Ton Portable Spot Cooling Unit	1,784.35	
		For >6 Months (>26 Weeks), Deduct	*-71.37*	
01 22 23 00-1641	DAY	10 To 12 Ton Portable Spot Cooling Unit	554.84	
		For Half Day Usage, Deduct	*-173.39*	
01 22 23 00-1642	WK	10 To 12 Ton Portable Spot Cooling Unit	1,250.27	
01 22 23 00-1643	MO	10 To 12 Ton Portable Spot Cooling Unit	3,017.63	
		For >6 Months (>26 Weeks), Deduct	*-120.71*	
01 22 23 00-1644	DAY	20 Ton Portable Spot Cooling Unit	636.93	
		For Half Day Usage, Deduct	*-199.04*	
01 22 23 00-1645	WK	20 Ton Portable Spot Cooling Unit	1,462.58	
01 22 23 00-1646	MO	20 Ton Portable Spot Cooling Unit	4,076.35	
		For >6 Months (>26 Weeks), Deduct	*-163.05*	
01 22 23 00-1647	DAY	25 Ton Portable Spot Cooling Unit	905.86	
		For Half Day Usage, Deduct	*-283.08*	
01 22 23 00-1648	WK	25 Ton Portable Spot Cooling Unit	1,835.30	
01 22 23 00-1649	MO	25 Ton Portable Spot Cooling Unit	4,269.79	
		For >6 Months (>26 Weeks), Deduct	*-170.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1650	EA	Set-up Charge For Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	274.20	
01 22 23 00-1651	EA	Set-up Charge For Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	630.78	
01 22 23 00-1652	EA	Set-up Charge For Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	931.54	

01 22 23 00-1653 Air Handling Unit (AHU) *(01 22 23 00-1531)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-1654 Air Handling Unit (AHU) *(01 22 23 00-1653)*

01 22 23 00-1655	MO	5,000 CFM Air Handling Unit Rental	3,166.02	
		For >6 Months (>26 Weeks), Deduct	*-126.64*	
01 22 23 00-1656	MO	10,000 CFM Air Handling Unit Rental	3,273.75	
		For >6 Months (>26 Weeks), Deduct	*-130.95*	
01 22 23 00-1657	MO	25,000 CFM Air Handling Unit Rental	5,379.84	
		For >6 Months (>26 Weeks), Deduct	*-215.19*	

01 22 23 00-1658 Air Handling Unit Set-up *(01 22 23 00-1653)*

01 22 23 00-1659	EA	Set-up Charge For Rental Air Handling Unit Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.	1,117.61	
01 22 23 00-1660	MO	12" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	309.83	
01 22 23 00-1661	MO	20" x 100' Flex Duct For AHU Rental Note: Includes four (4) 25' sections.	374.64	

01 22 23 00-1662 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1663 Trucks *(01 22 23 00-1662)*

Note: Includes driver, delivery to job site and pick-up when complete.

01 22 23 00-1664 Flat Bed Trucks *(01 22 23 00-1663)*

Note: Includes hydraulic tilt bed.

01 22 23 00-1665	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,097.73	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-494.23*	
01 22 23 00-1666	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,795.59	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1667	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,399.98	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-77.18*	
01 22 23 00-1668	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,223.75	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-533.61*	
01 22 23 00-1669	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,118.51	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1670	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,226.96	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-110.26*	
01 22 23 00-1671	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,314.16	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-561.86*	
01 22 23 00-1672	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,464.11	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1673	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,542.25	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-162.88*	

01 22 23 00-1674 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1663)*

01 22 23 00-1675	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	317.74	
		For Half Day Usage, Deduct	*-99.29*	
01 22 23 00-1676	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	734.78	
01 22 23 00-1677	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,588.72	
		For >6 Months (>26 Weeks), Deduct	*-63.55*	
01 22 23 00-1678	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	327.67	
		For Half Day Usage, Deduct	*-102.40*	
01 22 23 00-1679	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	764.57	
01 22 23 00-1680	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,688.02	
		For >6 Months (>26 Weeks), Deduct	*-67.52*	

01 22 23 00-1681 Light And Heavy Duty Trucks *(01 22 23 00-1663)*

01 22 23 00-1682	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,046.28	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-476.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1683	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,806.60	
		For Equipment Without Operator, Deduct	*-3,995.68*	
01 22 23 00-1684	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	19,013.68	
		For Equipment Without Operator, Deduct	*-17,314.62*	
		For >6 Months (>26 Weeks), Deduct	*-67.96*	
01 22 23 00-1685	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,092.61	
		For Equipment Without Operator, Deduct	*-799.14*	
		For Half Day Usage, Deduct	*-491.28*	
01 22 23 00-1686	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,945.61	
		For Equipment Without Operator, Deduct	*-3,995.68*	
01 22 23 00-1687	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,322.60	
		For Equipment Without Operator, Deduct	*-17,314.62*	
		For >6 Months (>26 Weeks), Deduct	*-80.32*	

01 22 23 00-1688 Rear Dump Trucks *(01 22 23 00-1663)*

01 22 23 00-1689	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,165.21	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-515.31*	
01 22 23 00-1690	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,979.56	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1691	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,372.70	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-116.09*	
01 22 23 00-1692	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,284.19	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-552.49*	
01 22 23 00-1693	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,348.21	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1694	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,883.74	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-136.54*	
01 22 23 00-1695	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,352.46	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-573.83*	
01 22 23 00-1696	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,494.50	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1697	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	20,981.26	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-140.44*	
01 22 23 00-1698	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,161.92	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-826.79*	
01 22 23 00-1699	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,162.17	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1700	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,662.46	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-327.68*	
01 22 23 00-1701	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,297.48	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-869.15*	
01 22 23 00-1702	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,475.23	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1703	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,481.67	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-360.45*	

01 22 23 00-1704 Tractor-Trailer Trucks *(01 22 23 00-1663)*

01 22 23 00-1705	DAY	Tractor, Truck, Diesel Powered, 4x2, 35,000 GVW, 329 HP, With Full Time Truck Driver	1,670.84	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-673.32*	
01 22 23 00-1706	WK	Tractor, Truck, Diesel Powered, 4x2, 35,000 GVW, 329 HP, With Full Time Truck Driver	7,489.73	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1707	MO	Tractor, Truck, Diesel Powered, 4x2, 35,000 GVW, 329 HP, With Full Time Truck Driver	29,828.50	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-494.33*	
01 22 23 00-1708	DAY	Tractor, Truck, Diesel Powered, 6x4, 75,000 GVW, 400 HP, With Full Time Truck Driver	1,948.64	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-760.14*	
01 22 23 00-1709	WK	Tractor, Truck, Diesel Powered, 6x4, 75,000 GVW, 400 HP, With Full Time Truck Driver	8,600.93	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1710	MO	Tractor, Truck, Diesel Powered, 6x4, 75,000 GVW, 400 HP, With Full Time Truck Driver	33,783.41	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-652.52*	

01 22 23 00-1711 Under-Bridge Inspection Trucks *(01 22 23 00-1663)*

01 22 23 00-1712	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	4,854.68	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,668.27*	
01 22 23 00-1713	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	22,085.10	
		For Equipment Without Operator, Deduct	*-4,031.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1714	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	81,466.50	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,559.85*	
01 22 23 00-1715	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,401.75	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,839.23*	
01 22 23 00-1716	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	23,179.24	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1717	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	85,595.29	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,725.00*	
01 22 23 00-1718	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,730.00	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,941.81*	
01 22 23 00-1719	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	24,820.47	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1720	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	89,724.08	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,890.15*	
01 22 23 00-1721	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	7,152.39	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-2,386.31*	
01 22 23 00-1722	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	31,385.37	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1723	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	110,367.99	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-3,715.91*	

01 22 23 00-1724 Vacuum Trucks *(01 22 23 00-1663)*

01 22 23 00-1725	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,172.45	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-517.58*	
01 22 23 00-1726	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,122.83	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1727	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,693.73	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-128.93*	
01 22 23 00-1728	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,152.16	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-823.74*	
01 22 23 00-1729	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,084.76	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1730	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,430.83	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-478.42*	

01 22 23 00-1731 Water Trucks *(01 22 23 00-1663)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1421 for additional discharge hose, 01 22 23 00-1795 for water trailer.

01 22 23 00-1732	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,452.43	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For Half Day Usage, Deduct	*-605.07*	
01 22 23 00-1733	WK	2,000 Gallon Water Truck With Full-Time Driver	5,733.04	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
01 22 23 00-1734	MO	2,000 Gallon Water Truck With Full-Time Driver	21,490.60	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For >6 Months (>26 Weeks), Deduct	*-160.81*	
01 22 23 00-1735	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,768.31	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For Half Day Usage, Deduct	*-703.78*	
01 22 23 00-1736	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,680.67	
		For Equipment Without Operator, Deduct	*-4,031.62*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
01 22 23 00-1737	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,931.46	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For Each 1,000 Gallon Of Purchased Water, Add	*15.32*	
		For >6 Months (>26 Weeks), Deduct	*-258.44*	

01 22 23 00-1738 Asphalt Distribution Trucks *(01 22 23 00-1663)*

01 22 23 00-1739	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,156.27	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-825.02*	
01 22 23 00-1740	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	8,064.13	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1741	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	29,391.47	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-476.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1742 Boom Trucks *(01 22 23 00-1663)*

01 22 23 00-1743	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,348.98
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-572.74*
01 22 23 00-1744	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,444.57
		For Equipment Without Operator, Deduct	*-4,031.62*
01 22 23 00-1745	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	21,053.94
		For Equipment Without Operator, Deduct	*-17,470.36*
		For >6 Months (>26 Weeks), Deduct	*-143.34*

01 22 23 00-1746 Straight/Box Trucks *(01 22 23 00-1663)*

01 22 23 00-1747	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	930.76
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-442.05*
01 22 23 00-1748	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	4,653.82
		For Equipment Without Operator, Deduct	*-4,031.62*
01 22 23 00-1749	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	19,307.04
		For Equipment Without Operator, Deduct	*-17,470.36*
		For >6 Months (>26 Weeks), Deduct	*-73.47*

01 22 23 00-1750 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1663)*

01 22 23 00-1751	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,544.55
		For Equipment Without Operator, Deduct	*-799.14*
		For Half Day Usage, Deduct	*-632.51*
01 22 23 00-1752	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,195.60
		For Equipment Without Operator, Deduct	*-3,995.68*
01 22 23 00-1753	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,657.05
		For Equipment Without Operator, Deduct	*-17,314.62*
		For >6 Months (>26 Weeks), Deduct	*-213.70*

01 22 23 00-1754 Truck Mounted Scissor Platform Lifts *(01 22 23 00-1663)*

01 22 23 00-1755	DAY	14' Truck-Mounted Platform Lift With Full-Time Truck Driver	2,994.62
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-1,087.00*
01 22 23 00-1756	WK	14' Truck-Mounted Platform Lift With Full-Time Truck Driver	9,502.37
		For Equipment Without Operator, Deduct	*-4,031.62*
01 22 23 00-1757	MO	14' Truck-Mounted Platform Lift With Full-Time Truck Driver	32,788.46
		For Equipment Without Operator, Deduct	*-17,470.36*
		For >6 Months (>26 Weeks), Deduct	*-612.72*

01 22 23 00-1758 Vacuum Sweeper Trucks For Bridge Decks *(01 22 23 00-1663)*

01 22 23 00-1759	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	2,152.16
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-823.74*
01 22 23 00-1760	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	8,084.76
		For Equipment Without Operator, Deduct	*-4,031.62*
01 22 23 00-1761	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	29,430.83
		For Equipment Without Operator, Deduct	*-17,470.36*
		For >6 Months (>26 Weeks), Deduct	*-478.42*

01 22 23 00-1762 Combination Jet/Vacuum Trucks *(01 22 23 00-1663)*

01 22 23 00-1763	DAY	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,414.77
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-1,218.30*
01 22 23 00-1764	WK	500 Gallon Water, 6 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	16,242.33
		For Equipment Without Operator, Deduct	*-4,031.62*
01 22 23 00-1765	DAY	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	3,869.94
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-1,360.54*
01 22 23 00-1766	WK	1,000 Gallon Water, 10 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	18,890.18
		For Equipment Without Operator, Deduct	*-4,031.62*
01 22 23 00-1767	DAY	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	4,307.60
		For Equipment Without Operator, Deduct	*-806.32*
		For Half Day Usage, Deduct	*-1,497.31*
01 22 23 00-1768	WK	2,000 Gallon Water, 15 CY Debris, Combination Jet/Vacuum Truck With Full-Time Truck Driver	21,538.02
		For Equipment Without Operator, Deduct	*-4,031.62*

01 22 23 00-1769 Truck Mounted Under-Bridge Aerial Access *(01 22 23 00-1663)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1770	DAY	Truck Mounted Under-Bridge Aerial Access, 29.7' Horizontal, 21.5' Vertical, 990 Lb. Capacity At 35' With Full-Time Truck Driver	4,417.02	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,531.50*	
01 22 23 00-1771	WK	Truck Mounted Under-Bridge Aerial Access, 29.7' Horizontal, 21.5' Vertical, 990 Lb. Capacity At 35' With Full-Time Truck Driver	20,443.87	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1772	MO	Truck Mounted Under-Bridge Aerial Access, 29.7' Horizontal, 21.5' Vertical, 990 Lb. Capacity At 35' With Full-Time Truck Driver	83,848.79	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-2,655.14*	
01 22 23 00-1773	DAY	Truck Mounted Under-Bridge Aerial Access, 66' Horizontal, 31.4' Vertical, 1,760 Lb. Capacity At 35' With Full-Time Truck Driver	5,128.21	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,753.75*	
01 22 23 00-1774	WK	Truck Mounted Under-Bridge Aerial Access, 66' Horizontal, 31.4' Vertical, 1,760 Lb. Capacity At 35' With Full-Time Truck Driver	23,179.24	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1775	MO	Truck Mounted Under-Bridge Aerial Access, 66' Horizontal, 31.4' Vertical, 1,760 Lb. Capacity At 35' With Full-Time Truck Driver	93,331.43	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-3,034.44*	

01 22 23 00-1776 Truck Mounted Accessories *(01 22 23 00-1662)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1777 Truck Mounted Arrow Boards *(01 22 23 00-1776)*

01 22 23 00-1778	DAY	Truck Mounted Arrow Board	48.77	
		For Half Day Usage, Deduct	*-15.24*	
01 22 23 00-1779	WK	Truck Mounted Arrow Board	193.99	
01 22 23 00-1780	MO	Truck Mounted Arrow Board	691.70	
		For >6 Months (>26 Weeks), Deduct	*-27.67*	

01 22 23 00-1781 Trailers *(01 22 23 00-1662)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1782 Platform Trailers *(01 22 23 00-1781)*

01 22 23 00-1783	DAY	25 Ton Capacity Platform Trailer	172.07	
		For Half Day Usage, Deduct	*-53.77*	
01 22 23 00-1784	WK	25 Ton Capacity Platform Trailer	677.64	
01 22 23 00-1785	MO	25 Ton Capacity Platform Trailer	2,412.28	
		For >6 Months (>26 Weeks), Deduct	*-96.49*	
01 22 23 00-1786	DAY	40 Ton Capacity Platform Trailer	179.87	
		For Half Day Usage, Deduct	*-56.21*	
01 22 23 00-1787	WK	40 Ton Capacity Platform Trailer	714.18	
01 22 23 00-1788	MO	40 Ton Capacity Platform Trailer	2,559.50	
		For >6 Months (>26 Weeks), Deduct	*-102.38*	
01 22 23 00-1789	DAY	50 Ton Capacity Platform Trailer	206.49	
		For Half Day Usage, Deduct	*-64.53*	
01 22 23 00-1790	WK	50 Ton Capacity Platform Trailer	815.29	
01 22 23 00-1791	MO	50 Ton Capacity Platform Trailer	2,912.22	
		For >6 Months (>26 Weeks), Deduct	*-116.49*	
01 22 23 00-1792	DAY	75 Ton Capacity Platform Trailer	269.64	
		For Half Day Usage, Deduct	*-84.26*	
01 22 23 00-1793	WK	75 Ton Capacity Platform Trailer	1,067.89	
01 22 23 00-1794	MO	75 Ton Capacity Platform Trailer	3,821.87	
		For >6 Months (>26 Weeks), Deduct	*-152.87*	

01 22 23 00-1795 Water Trailers With Pump *(01 22 23 00-1781)*

01 22 23 00-1796	DAY	500 To 600 Gallon Water Trailer With Pump	165.12	
		For Half Day Usage, Deduct	*-51.60*	
01 22 23 00-1797	WK	500 To 600 Gallon Water Trailer With Pump	423.56	
01 22 23 00-1798	MO	500 To 600 Gallon Water Trailer With Pump	1,134.28	
		For >6 Months (>26 Weeks), Deduct	*-45.37*	

01 22 23 00-1799 Manual Powered, Full, Rear Dump Trailer *(01 22 23 00-1781)*

01 22 23 00-1800	DAY	10 CY, Manual Powered, Full, Rear Dump Trailer	292.47	
		For Half Day Usage, Deduct	*-91.40*	
01 22 23 00-1801	WK	10 CY, Manual Powered, Full, Rear Dump Trailer	1,167.66	
01 22 23 00-1802	MO	10 CY, Manual Powered, Full, Rear Dump Trailer	4,182.66	
		For >6 Months (>26 Weeks), Deduct	*-167.31*	
01 22 23 00-1803	DAY	13 CY, Manual Powered, Full, Rear Dump Trailer	336.08	
		For Half Day Usage, Deduct	*-105.03*	
01 22 23 00-1804	WK	13 CY, Manual Powered, Full, Rear Dump Trailer	1,344.34	
01 22 23 00-1805	MO	13 CY, Manual Powered, Full, Rear Dump Trailer	4,797.50	
		For >6 Months (>26 Weeks), Deduct	*-191.90*	
01 22 23 00-1806	DAY	16 CY, Manual Powered, Full, Rear Dump Trailer	376.68	
		For Half Day Usage, Deduct	*-117.71*	
01 22 23 00-1807	WK	16 CY, Manual Powered, Full, Rear Dump Trailer	1,495.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1808	MO	16 CY, Manual Powered, Full, Rear Dump Trailer	5,322.69	
		For >6 Months (>26 Weeks), Deduct	*-212.91*	

01 22 23 00-1809 Hydraulic Lift, Rear Dump Trailers *(01 22 23 00-1781)*

01 22 23 00-1810	DAY	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	336.49	
		For Half Day Usage, Deduct	*-105.15*	
01 22 23 00-1811	WK	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,456.92	
01 22 23 00-1812	MO	30 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	5,455.57	
01 22 23 00-1813	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	416.33	
		For Half Day Usage, Deduct	*-130.10*	
01 22 23 00-1814	WK	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	1,811.01	
01 22 23 00-1815	DAY	40 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	6,759.13	
		For Half Day Usage, Deduct	*-2,112.23*	
01 22 23 00-1816	DAY	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	544.43	
		For Half Day Usage, Deduct	*-170.13*	
01 22 23 00-1817	WK	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,350.02	
01 22 23 00-1818	MO	60 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	8,779.88	
01 22 23 00-1819	DAY	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	575.10	
		For Half Day Usage, Deduct	*-179.72*	
01 22 23 00-1820	WK	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,469.55	
01 22 23 00-1821	MO	80 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	9,190.35	
01 22 23 00-1822	DAY	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	589.99	
		For Half Day Usage, Deduct	*-184.37*	
01 22 23 00-1823	WK	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	2,532.70	
01 22 23 00-1824	MO	100 Ton Capacity, 18'-20' Deck Length, Hydraulic, Rear Dump Trailer	9,454.22	

01 22 23 00-1825 Trailer Mounted Equipment *(01 22 23 00-1662)*

01 22 23 00-1826 Trailer Mounted Under-Bridge Aerial Access Platform *(01 22 23 00-1825)*

Note: Includes full-time operator. Excludes truck.

01 22 23 00-1827	DAY	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	3,074.19	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,111.87*	
01 22 23 00-1828	WK	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	10,835.24	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1829	MO	Trailer Mounted Under-Bridge Aerial Access 32' With Full-Time Operator	36,369.31	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-755.96*	
01 22 23 00-1830	DAY	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	3,300.98	
		For Equipment Without Operator, Deduct	*-806.32*	
		For Half Day Usage, Deduct	*-1,182.74*	
01 22 23 00-1831	WK	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	11,515.61	
		For Equipment Without Operator, Deduct	*-4,031.62*	
01 22 23 00-1832	MO	Trailer Mounted Under-Bridge Aerial Access 35' With Full-Time Operator	38,259.21	
		For Equipment Without Operator, Deduct	*-17,470.36*	
		For >6 Months (>26 Weeks), Deduct	*-831.55*	

01 22 23 00-1833 Trailer Mounted Bridge Stripping Buggy *(01 22 23 00-1825)*

01 22 23 00-1834	DAY	Trailer Mounted Bridge Overhang Stripping Buggy	257.34	
		For Half Day Usage, Deduct	*-80.42*	
01 22 23 00-1835	WK	Trailer Mounted Bridge Overhang Stripping Buggy	772.06	
01 22 23 00-1836	MO	Trailer Mounted Bridge Overhang Stripping Buggy	2,144.53	
		For >6 Months (>26 Weeks), Deduct	*-85.78*	

01 22 23 00-1837 Portable Trailer Mounted, CCTV Camera Systems *(01 22 23 00-1825)*

Note: Includes trailer. Excludes truck.

01 22 23 00-1838	MO	Portable Trailer Mounted, Single Camera, CCTV Camera System	2,978.85	
		For >6 Months (>26 Weeks), Deduct	*-119.15*	
01 22 23 00-1839	MO	Portable Trailer Mounted, Multi-Camera/Loud Speaker, CCTV Camera System	5,163.34	
		For >6 Months (>26 Weeks), Deduct	*-206.53*	

01 30 Administrative Requirements *(01)*

01 31 Project Management and Coordination *(01 30)*

01 31 33 Project Minimum Labor Costs *(01 31)*

01 31 33 00-0001 Minimum Charge For Labor *(01 31 33)*

Note: Use item exclusively for projects when the sum of line items is less than the minimum charge per occurrence. Item should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Item quantity is 1, unless approved by owner.

01 31 33 00-0002	EA	Minimum Charge For Brick Layer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,000.27	
01 31 33 00-0003	EA	Minimum Charge For Carpenter Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,257.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 31 33 00-0004	EA	Minimum Charge For Carpet, Linoleum Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,018.74	
01 31 33 00-0005	EA	Minimum Charge For Cement Mason Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	892.14	
01 31 33 00-0006	EA	Minimum Charge For Drywall Finisher Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,111.67	
01 31 33 00-0007	EA	Minimum Charge For Drywall Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,218.12	
01 31 33 00-0008	EA	Minimum Charge For Electrician Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,046.26	
01 31 33 00-0009	EA	Minimum Charge For Glazier Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	945.19	
01 31 33 00-0010	EA	Minimum Charge For Insulator Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,107.53	
01 31 33 00-0011	EA	Minimum Charge For Laborer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	787.33	
01 31 33 00-0012	EA	Minimum Charge For Landscape Maintenance Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	912.33	
01 31 33 00-0013	EA	Minimum Charge For Ornamental Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,098.48	
01 31 33 00-0014	EA	Minimum Charge For Painter, Ordinary Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	799.31	
01 31 33 00-0015	EA	Minimum Charge For Plasterer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,114.02	
01 31 33 00-0016	EA	Minimum Charge For Plumber Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,228.39	
01 31 33 00-0017	EA	Minimum Charge For Roofer, Tile/Slate Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,211.15	
01 31 33 00-0018	EA	Minimum Charge For Roofer, Composite Built-Up Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,244.60	
01 31 33 00-0019	EA	Minimum Charge For Sheet Metal Worker Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,154.95	
01 31 33 00-0020	EA	Minimum Charge For Sprinkler Installer Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	1,035.36	
01 31 33 00-0021	EA	Minimum Charge For Tile Layer (Floor) Note: This task should not be used in conjunction with any other tasks utilizing this labor trade, unless approved by owner. Task quantity is 1, unless approved by owner.	967.36	

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0055 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.77	
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.54	

01 35 33 Infection Control Procedures *(01 35)*

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms Note: For specification publishing. Review specifications for requirements.	0.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions Note: For specification publishing. Review specifications for requirements.	0.00	

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards Note: For specification publishing. Review specifications for requirements.	0.00	

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List Note: For specification publishing. Review specifications for requirements.	0.00	

01 45 Quality Control *(01 40)*

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	362.89	
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	515.06	
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	585.30	
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	468.24	
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	702.36	
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,404.23	
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	52.66	
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	140.47	
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	351.06	
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	438.82	
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	106.93	
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	267.32	
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	534.64	

01 45 23 00-0016 Aggregate Testing *(01 45 23 00-0001)*

01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	117.06	
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	210.71	
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	292.65	
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	173.76	
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	185.99	
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	166.75	
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	247.99	
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	234.12	
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	234.12	
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	175.59	
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229	187.30	
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88	491.48	
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211	374.59	
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535	374.59	
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29	105.35	
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40	105.32	
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method	105.32	
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142	210.63	

01 45 23 00-0035 Permeability Tests *(01 45 23 00-0001)*

01 45 23 00-0036 In-Place Tests *(01 45 23 00-0035)*

01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,859.92	
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	87.76	

01 45 23 00-0039 Lab Tests *(01 45 23 00-0035)*

01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	867.96	
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	867.96	
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	495.98	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0043		**Insitu Tests** *(01 45 23 00-0001)*		
01 45 23 00-0044	EA	Standard Penetration With Split Spoon	29.67	
01 45 23 00-0045	EA	Split Spoon Tripod	55.38	
01 45 23 00-0046	EA	Thin Walled Tube/Shelby	158.22	
01 45 23 00-0047	VLF	Cone Penetrometer	11.87	
01 45 23 00-0048	EA	Pressuremeter Insitu Test	296.66	
01 45 23 00-0049	VLF	Dilatometer Insitu Test	5.93	
01 45 23 00-0050	EA	Permeability	197.78	
01 45 23 00-0051	VLF	Observation Well With SB	27.69	
01 45 23 00-0052	VLF	Observation Well Without SB	39.56	
01 45 23 00-0053	EA	Slope Indicator Casing	69.22	
01 45 23 00-0054		**Concrete/Cement/Asphalt Testing** *(01 45 23)*		
01 45 23 00-0055		**Concrete Testing** *(01 45 23 00-0054)*		
01 45 23 00-0056	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	27.14	
01 45 23 00-0057	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	74.40	
01 45 23 00-0058	EA	Concrete Cores Compression Test, ASTM C-42	152.18	
01 45 23 00-0059	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	222.41	
01 45 23 00-0060	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	81.94	
01 45 23 00-0061	EA	Concrete Mix Design Review	444.83	
01 45 23 00-0062	EA	Trial Concrete Batch Prepared In Laboratory	1,053.54	
01 45 23 00-0063	EA	Concrete Shrinkage, ASTM C-157 Modified	819.42	
01 45 23 00-0064	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	126.42	
01 45 23 00-0065	EA	Concrete Slump Test, ASTM C143	58.53	
01 45 23 00-0066	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	58.53	
01 45 23 00-0067		**Cement Testing** *(01 45 23 00-0054)*		
01 45 23 00-0068	EA	CCR Title 24, Cement Grab Sample Note: Includes sealing and storing 1 year.	58.53	
01 45 23 00-0069	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	93.65	
01 45 23 00-0070		**Asphaltic Concrete Testing** *(01 45 23 00-0054)*		
01 45 23 00-0071	EA	Hveem Asphaltic Concrete Stability Test, CA 366	117.06	
01 45 23 00-0072	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	304.36	
01 45 23 00-0073	EA	Stability Tests, Premixed, ASTM D1559	117.06	
01 45 23 00-0074	EA	Stability Tests, Lab. Mixed, ASTM D1559	304.36	
01 45 23 00-0075	EA	Swell Test, CA 305 Note: Includes compaction.	140.47	
01 45 23 00-0076	EA	% Asphalt Extraction Test, ASTM D-2172 B	351.18	
01 45 23 00-0077	EA	Gradation On Extracted Sample, ASTM D-5444	234.12	
01 45 23 00-0078	EA	Maximum Theoretical Unit Weight, ASTM C2041	223.19	
01 45 23 00-0079	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	46.82	
01 45 23 00-0080	EA	Asphalt Unit Weight On Core Test, CA 308C	46.82	
01 45 23 00-0081	HR	Nuclear Field Density Testing, 4 Hour Minimum	241.14	
01 45 23 00-0082	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	120.29	
01 45 23 00-0083	EA	Penetration, ASTM D5	169.10	
01 45 23 00-0084		**Masonry/Concrete Block/Tile Testing** *(01 45 23)*		
01 45 23 00-0085		**Masonry Testing** *(01 45 23 00-0084)*		
01 45 23 00-0086	EA	2" x 4" Cylinder Mortar Compression Test	77.26	
01 45 23 00-0087	EA	4" x 4" x 8" Grout Prisms Compression Test	77.26	
01 45 23 00-0088	EA	Masonry Cores Compression Test	152.18	
01 45 23 00-0089	EA	Composite Grouted Prism Compression Test	292.65	
01 45 23 00-0090		**Concrete Block Testing (ASTM C140 Or CMA Per Specimen)** *(01 45 23 00-0084)*		
01 45 23 00-0091	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	187.30	
01 45 23 00-0092	EA	Absorption Test, Moisture Content And Unit Weight	128.77	
01 45 23 00-0093	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	491.48	
01 45 23 00-0094	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	245.74	
01 45 23 00-0095		**Metals Testing** *(01 45 23)*		
01 45 23 00-0096		**Tank Tightness Testing** *(01 45 23 00-0095)*		
01 45 23 00-0097	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	9.10	
01 45 23 00-0098	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.80	
01 45 23 00-0099	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,340.44	
01 45 23 00-0100	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,859.62	
01 45 23 00-0101	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,641.85	
01 45 23 00-0102		**Tank Line Tightness Testing** *(01 45 23 00-0095)*		
01 45 23 00-0103	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	493.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0104	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	548.36	
01 45 23 00-0105	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	602.69	

01 45 23 00-0106 Other Testing *(01 45 23)*

01 45 23 00-0107 Special Testing *(01 45 23 00-0106)*

01 45 23 00-0108	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	175.53	
01 45 23 00-0109	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,053.17	
01 45 23 00-0110	EA	Total Coliform Bacteria And E. Coli Bacteria Test	54.71	
01 45 23 00-0111	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	226.93	
01 45 23 00-0112	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	226.93	
01 45 23 00-0113	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	226.93	
01 45 23 00-0114	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,248.12	
01 45 23 00-0115	EA	Testing And Certification Of Backflow Valves	599.07	

01 45 23 00-0116 Non-destructive Field Testing Services *(01 45 23 00-0106)*

01 45 23 00-0117 Infrared Thermography *(01 45 23 00-0116)*

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

01 45 23 00-0118 Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0117)*

Note: For on the roof surveys.

01 45 23 00-0119	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	4,084.74	
01 45 23 00-0120	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.81	
		For CADD Drawings, Add	*1.36*	
01 45 23 00-0121	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.54	
		For CADD Drawings, Add	*0.91*	
01 45 23 00-0122	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.40	
		For CADD Drawings, Add	*0.68*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.85*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.85*	
01 45 23 00-0123	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.27	
		For CADD Drawings, Add	*0.45*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.57*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.57*	

01 45 23 00-0124 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0117)*

Note: For finding moisture in walls and windows.

01 45 23 00-0125	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0126	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*3.41*	
01 45 23 00-0127	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*2.27*	
01 45 23 00-0128	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	*1.14*	

01 45 23 00-0129 General Building Investigation Using Infrared Thermography *(01 45 23 00-0117)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

01 45 23 00-0130	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,425.14	
01 45 23 00-0131	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*3.41*	
01 45 23 00-0132	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*2.27*	
01 45 23 00-0133	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.27	
		For Digital Or Analog Recording Of All Items, Add	*1.14*	

01 45 23 00-0134 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0117)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

01 45 23 00-0135	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0136	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	200.79	
		For Digital Or Analog Recording Of All Items, Add	*30.05*	

01 45 23 00-0137 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0117)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0138	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,155.84	
01 45 23 00-0139	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.81	
		For Digital Or Analog Recording Of All Items, Add	*1.02*	
01 45 23 00-0140	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.54	
		For Digital Or Analog Recording Of All Items, Add	*0.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0141		**Other Non-destructive Field Testing Services** *(01 45 23 00-0116)*		
01 45 23 00-0142	HR	ASNT Certified Level I NDT Consultant	77.35	
01 45 23 00-0143	HR	ASNT Certified Level II NDT Consultant	86.50	
01 45 23 00-0144	HR	ASNT Certified Level III NDT Consultant	101.68	
01 45 23 00-0145	HR	Certified Industrial Radiography Radiation Safety Personnel	116.45	
01 45 23 00-0146		**Testing Professional Services** *(01 45 23 00-0106)*		
01 45 23 00-0147	HR	Concrete, Steel, Masonry, Expansion Anchor And Soils Inspection	217.73	
01 45 23 00-0148	HR	Laboratory Technician	210.71	
01 45 23 00-0149	HR	Portable Digital Reinforcement Scanner	304.36	
01 45 23 00-0150	HR	Subsurface Detection Radar System	515.06	
01 45 23 00-0151	HR	Pavement Rehabilitation Analysis Using Deflectors	585.30	
01 45 23 00-0152		**Concrete Slab Moisture Testing** *(01 45 23 00-0106)*		
01 45 23 00-0153	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	166.88	

01 45 29 Testing Laboratory Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001		**Soil Borings Laboratory Tests** *(01 45 29)*		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	161.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	51.43	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	124.00	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	867.96	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	136.08	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	37.20	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	23.11	
01 45 29 00-0009	EA	Moisture-Density Determination, Standard, ASTM D698, Soil Borings Laboratory Test	186.55	
01 45 29 00-0010	EA	Moisture-Density Determination, Modified, ASTM D1557, Soil Borings Laboratory Test	186.55	
01 45 29 00-0011	EA	Moisture-Density Determination, One Point Test, Soil Borings Laboratory Test	103.64	
01 45 29 00-0012	EA	Hydrometer Analysis, Soil Borings Laboratory Test	298.36	
01 45 29 00-0013	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	104.02	
01 45 29 00-0014	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.57	
01 45 29 00-0015	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,028.53	
01 45 29 00-0016	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	208.04	
01 45 29 00-0017	EA	Sulfate Soundness, Soil Borings Laboratory Test	257.13	
01 45 29 00-0018	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	475.98	
01 45 29 00-0019	EA	Soil Bearing Ratio, ASTM D1883	526.77	
01 45 29 00-0020	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	154.28	
01 45 29 00-0021	EA	Compaction Test Base Course, Soil Borings Laboratory Test	171.42	
01 45 29 00-0022	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	367.92	
01 45 29 00-0023	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	78.85	
01 45 29 00-0024	EA	Direct Shear Per Point, ASTM D3080, Soil Borings Laboratory Test	310.91	
01 45 29 00-0025	EA	Unconfined Compression, ASTM D2166 And D2938, Soil Borings Laboratory Test	103.64	
01 45 29 00-0026	EA	Triaxial Shear, Per Point, ASTM D2850, Unconsolidated-Undrained, Soil Borings Laboratory Test	414.54	
01 45 29 00-0027	EA	Triaxial Shear, Per Point, ASTM D2850, Consolidated-Undrained, Soil Borings Laboratory Test	777.27	
01 45 29 00-0028	EA	Triaxial Shear, Per Point, ASTM D2850, Consolidated-Drained, Soil Borings Laboratory Test	932.73	
01 45 29 00-0029	EA	Permeability, ASTM D2434, Soil Borings Laboratory Test	466.36	
01 45 29 00-0030	EA	Permeability, ASTM D2434, Undisturbed/Remolded, Soil Borings Laboratory Test	518.18	
01 45 29 00-0031	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 4 KSF Load, Soil Borings Laboratory Test	414.54	
01 45 29 00-0032	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 8 KSF Load, Soil Borings Laboratory Test	155.45	
01 45 29 00-0033	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 16 KSF Load, Soil Borings Laboratory Test	155.45	
01 45 29 00-0034	EA	One-Dimension Consolidation/Swell, ASTM D2435 And D4186, 32 KSF Load, Soil Borings Laboratory Test	155.45	
01 45 29 00-0035	EA	Classification Of Soil, ASTM D2487, Soil Borings Laboratory Test	124.36	
01 45 29 00-0036		**Soil Testing** *(01 45 29)*		
		Note: Analyses must be conducted in accordance with SW846 and TACO requirements. Analytical methods provided herein are suggested methods.		
01 45 29 00-0037	EA	Laboratory Analysis For VOCs (5035/8260)	240.75	
01 45 29 00-0038	EA	Laboratory Analysis For SVOCs (8270)	469.46	
01 45 29 00-0039	EA	Laboratory Analysis For Pesticides/Polychlorinated Biphenyl (PCB) (8080/8081/8082)	288.90	
01 45 29 00-0040	EA	Laboratory Analysis For Herbicides (8080/8081/8082)	409.28	
01 45 29 00-0041	EA	Laboratory Analysis For TAL Inorganics (6010/6020/7471)	361.12	
01 45 29 00-0042	EA	Laboratory Analysis For BTEX (5035/8260)	108.34	
01 45 29 00-0043	EA	Laboratory Analysis For PNAs (8270)	180.56	
01 45 29 00-0044	EA	Laboratory Analysis For RCRA Metals Including Mercury (6020/7471)	156.49	
01 45 29 00-0045	EA	Laboratory Analysis For Cyanide (9012)	48.15	
01 45 29 00-0046	EA	Laboratory Analysis For TCLP/SPLP RCRA Lead (1311/1312/6020/7471)	180.56	
01 45 29 00-0047	EA	Laboratory Analysis For pH (9045)	19.26	
01 45 29 00-0048	EA	Laboratory Analysis For Moisture, Ash, And Organic Matter Of Peat And Organic Soils (D2974)	60.19	
01 45 29 00-0049	EA	Laboratory Analysis For Waste Characterization For Full Scan	2,648.25	
		Note: Detection limits must meet the minimum specified detection limits in TACO for Tier 1 Soil Remediation Objectives for residential properties.		
		For Expedited 5 Day Test, Add	*400.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch *(01 51 13)*

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,418.75
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,202.86
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,034.54
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	6,614.97

01 51 13 00-0006 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses *(01 51 13)*

Note: Includes mounting on wall and removal after use.

01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,464.80
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,052.15
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,208.99
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	4,572.33

01 51 13 00-0011 Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards *(01 51 13)*

Note: Includes all connections, fittings, supports and removal after use.

01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.50
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.69

01 51 26 Temporary Lighting *(01 51)*

01 51 26 00-0001 Temporary Lighting Devices *(01 51 26)*

Note: Includes removal after use.

01 51 26 00-0002	EA	Temporary Exit Light	318.62
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	109.25
01 51 26 00-0004	EA	Temporary High Bay Light	401.54

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use.

01 52 13 Field Offices and Sheds *(01 52)*

01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	259.19
		For Each Delivery And Removal, Two Round Trips, Add	*1,522.85*
		For Each Set-up (Block And Level), Add	*853.68*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*
		For Knockdown, Add	*800.55*
		For Office Trailer Without Toilet, Deduct	*-51.84*
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	293.74
		For Each Delivery And Removal, Two Round Trips, Add	*1,522.85*
		For Each Set-up (Block And Level), Add	*853.68*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*
		For Knockdown, Add	*800.55*
		For Office Trailer Without Toilet, Deduct	*-58.75*
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	397.42
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*
		For Each Set-up (Block And Level), Add	*1,340.17*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*
		For Knockdown, Add	*1,198.42*
		For Office Trailer Without Toilet, Deduct	*-79.48*
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	423.34
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*
		For Each Set-up (Block And Level), Add	*1,340.17*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*
		For Knockdown, Add	*1,198.42*
		For Office Trailer Without Toilet, Deduct	*-84.67*
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	466.54
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*
		For Each Set-up (Block And Level), Add	*1,340.17*
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*
		For Knockdown, Add	*1,198.42*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	492.46	
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*	
		For Each Set-up (Block And Level), Add	*1,340.17*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*1,198.42*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	400.05	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*1,198.42*	
		For Each Delivery And Removal, Two Round Trips, Add	*747.09*	
		For Each Set-up (Block And Level), Add	*596.40*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	534.86	
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*	
		For Each Set-up (Block And Level), Add	*1,340.17*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*1,198.42*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	636.73	
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*	
		For Each Set-up (Block And Level), Add	*1,340.17*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*1,198.42*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	880.37	
		For Each Delivery And Removal, Two Round Trips, Add	*3,045.71*	
		For Each Set-up (Block And Level), Add	*1,340.17*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*1,198.42*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,382.32	
		For Each Delivery And Removal, Two Round Trips, Add	*4,568.57*	
		For Each Set-Up (Block And Level), Add	*2,391.22*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*2,401.66*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,658.78	
		For Each Delivery And Removal, Two Round Trips, Add	*4,568.57*	
		For Each Set-Up (Block And Level), Add	*2,391.22*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*2,401.66*	
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	867.19	
		For Each Delivery And Removal, Two Round Trips, Add	*4,568.57*	
		For Each Set-Up (Block And Level), Add	*2,391.22*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*238.08*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*332.17*	
		For Knockdown, Add	*2,401.66*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	42.28
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	26.42
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	31.71
01 52 13 00-0019	MO	Table For Field Office Trailer	21.14
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	10.01
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	116.26
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	84.55
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	133.21
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.59
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	39.29
01 52 13 00-0026	MO	Steps For Field Office Trailer	73.37
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer	122.54
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer	45.30
01 52 13 00-0029	MO	Copier For Field Office Trailer	84.55

01 52 13 00-0030 Storage Containers *(01 52 13)*

01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	144.00	
		For Each Delivery And Removal, Two Round Trips, Add	*120.17*	
		For >12 Months, Deduct	*-32.40*	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container	150.55	
		For Each Delivery And Removal, Two Round Trips, Add	*132.19*	
		For >12 Months, Deduct	*-33.87*	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container	178.04	
		For Each Delivery And Removal, Two Round Trips, Add	*266.23*	
		For >12 Months, Deduct	*-40.06*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes servicing once per week (unless task states otherwise).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 19 00-0002	WK	Portable Chemical Toilet	65.49	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*31.57*	
01 52 19 00-0003	MO	Portable Chemical Toilet	196.48	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*31.57*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	78.12	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*31.57*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	229.23	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*31.57*	
01 52 19 00-0006	WK	Two Station Portable Handwash	57.87	
		For Each Delivery And Set-up, Add	*31.57*	
01 52 19 00-0007	MO	Two Station Portable Handwash	175.53	
		For Each Delivery And Set-up, Add	*31.57*	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,431.04	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,226.21*	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,158.86	
		For One Additional Service Per Week, Add	*719.62*	
		Note: For one less service per week, UOM to be negative one (-1)		

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.80	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	40.26	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	16.26	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	30.02	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.90	0.61

01 54 Construction Aids *(01 50)*

01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment	0.00	
		Note: For specification publishing. Review specifications for requirements.		

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month	44.55	
		For Up To 25, Add	*17.82*	
		For >25 To 50, Add	*11.14*	
		For >50 To 150, Add	*4.46*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	50.10	
		For Up To 25, Add	*20.04*	
		For >25 To 50, Add	*12.53*	
		For >50 To 150, Add	*5.01*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month	66.83	
		For Up To 25, Add	*26.73*	
		For >25 To 50, Add	*16.71*	
		For >50 To 150, Add	*6.68*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	54.67	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	71.69	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	95.67	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	105.24	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	121.19	
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set-up On Stairs, Per CCF Of Scaffolding And Accessories	76.54	

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month	72.22	
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month	132.41	
01 54 23 00-0016	LF	Aluminum Joists, Per LF / Month	11.74	
01 54 23 00-0017	LF	Aluminum Stringers, Per LF / Month	16.84	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers, Per EA / Month	21.22	

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	102.05	
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	127.56	
01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	153.08	
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	165.84	
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.	184.97	

01 54 23 00-0025 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.	45.21	

01 54 23 00-0027 Mobile Mast Climbing Scaffolding *(01 54 23)*

Note: Per month.

01 54 23 00-0028 Fraco FRSM ACT Solution Single Mast, Mast Climbing Scaffolding Per Month *(01 54 23 00-0027)*

01 54 23 00-0029	MO	Single Mast Climber, 175' High Mast x 35' Wide Platform	3,300.00	
01 54 23 00-0030	EA	Delivery/Pick-up Fee For Single Mast Climber Note: Excludes erection or dismantle.	2,400.00	
01 54 23 00-0031	EA	Erection For Single Mast Climber	3,000.00	
01 54 23 00-0032	EA	Dismantle For Single Mast Climber	2,500.00	
01 54 23 00-0033	SF	Additional Scaffolding Planks, Wood, 2"	0.99	

01 54 23 00-0034 Rolling Scaffolding *(01 54 23)*

Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.

01 54 23 00-0035	DAY	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	14.33	
01 54 23 00-0036	WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	57.42	
01 54 23 00-0037	MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	229.65	
01 54 23 00-0038	DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	23.99	
01 54 23 00-0039	WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	96.07	
01 54 23 00-0040	MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	384.33	
01 54 23 00-0041	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	119.80	
01 54 23 00-0042	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	149.75	

01 54 23 00-0043 Shoring Posts *(01 54 23)*

01 54 23 00-0044	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.21	
01 54 23 00-0045	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.82	
01 54 23 00-0046	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	26.47	
01 54 23 00-0047	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.59	
		For >20 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.36*	
		For >100, Deduct	*-5.27*	

01 54 23 00-0048 Temporary Lumber, Single Use *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0049	SF	5/16" CD Grade Plywood, Temporary Lumber	3.00	
01 54 23 00-0050	SF	1/2" CD Grade Plywood, Temporary Lumber	3.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0051	SF	5/8" CD Grade Plywood, Temporary Lumber	3.73	
01 54 23 00-0052	SF	3/4" CD Grade Plywood, Temporary Lumber	4.09	
01 54 23 00-0053	SF	1" CD Grade Plywood, Temporary Lumber	5.96	
01 54 23 00-0054	LF	2" x 4" Temporary Lumber	3.42	
01 54 23 00-0055	LF	2" x 6" Temporary Lumber	4.22	
01 54 23 00-0056	LF	2" x 8" Temporary Lumber	5.03	
01 54 23 00-0057	LF	2" x 10" Temporary Lumber	5.84	
01 54 23 00-0058	LF	2" x 12" Temporary Lumber	6.66	
01 54 23 00-0059	LF	3" x 8" Temporary Lumber	6.66	
01 54 23 00-0060	LF	3" x 10" Temporary Lumber	7.86	
01 54 23 00-0061	LF	3" x 12" Temporary Lumber	9.09	
01 54 23 00-0062	LF	4" x 4" Temporary Lumber	4.33	
01 54 23 00-0063	LF	4" x 6" Temporary Lumber	6.03	
01 54 23 00-0064	LF	6" x 6" Temporary Lumber	7.74	
01 54 23 00-0065	LF	6" x 8" Temporary Lumber	9.98	
01 54 23 00-0066	LF	12" x 12" Temporary Lumber	22.87	

01 54 23 00-0067 Temporary Precast Concrete Blocks *(01 54 23)*

Note: Includes removal after use.

01 54 23 00-0068	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	130.13	
01 54 23 00-0069	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	162.67	
01 54 23 00-0070	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	212.79	

01 54 26 Temporary Swing Staging *(01 54)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001 Swing Stage *(01 54 26)*

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.

01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,174.68	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,333.41	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,492.14	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,650.88	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,809.61	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,968.35	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,127.08	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	915.47	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,144.33	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	5,106.99	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	7,097.03	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,685.37	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,740.33	

01 55 Vehicular Access and Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*

Note: As per Caltrans detail.

01 55 23 00-0002	EA	Temporary Stabilized Construction Entrance Assembly Note: Includes excavation of 30' x 14' x 6" deep pit, filter fabric at base and sides, filled with 3" rock, and compaction.	2,110.79	
01 55 23 00-0003	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.59	
01 55 23 00-0004	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	5.61	

01 55 23 00-0005 Rumble Trench Plate *(01 55 23)*

01 55 23 00-0006	MO	8' x 10' Steel Rumble Trench Plate Rental	424.02	
01 55 23 00-0007	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	105.11	
01 55 23 00-0008	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	26.28	

01 55 23 00-0009 Temporary Road Ramps (Godwin) *(01 55 23)*

Note: Excludes asphalt and gravel.

01 55 23 00-0010	EA	4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,213.11	237.44

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0011		EA	6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	7,098.63	356.16
01 55 23 00-0012		EA	8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,808.19	474.88
01 55 23 00-0013		EA	12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	20,346.13	593.60
01 55 23 00-0014		EA	24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,854.02	712.32

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.55	
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.70	

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	5.61	
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	7.65	
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	9.59	

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.57	
		For Not Removed, Deduct	*-1.74*	
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.39	
		For Not Removed, Deduct	*-2.37*	
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.24	
		For Not Removed, Deduct	*-3.00*	
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.44	
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.48	
01 55 26 00-0014	EA	2" High x 4" Wide Temporary Reflective Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.54	
01 55 26 00-0015	EA	2" High x 4" Wide Chip Seal Markers, Double Cover, "L" With Factory-Applied Adhesive Pad	3.65	
01 55 26 00-0016	EA	Temporary Channelizer 3' High, 2-1/4" Diameter Flexible Delineator, 3" x 12" Retroreflective Flat Top, Soil Embedded With Surface Mount Note: Remove after use.	101.23	

01 55 26 00-0017 Temporary Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0018	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.64	
01 55 26 00-0019	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	15.28	
01 55 26 00-0020	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.04	
01 55 26 00-0021	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	11.11	
01 55 26 00-0022	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	12.13	
01 55 26 00-0023	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.73	
01 55 26 00-0024	CLF	1" Exterior Vinyl Warning Tape	13.88	
01 55 26 00-0025	CLF	2" Exterior Vinyl Warning Tape	19.52	
01 55 26 00-0026	CLF	3" Exterior Vinyl Warning Tape	24.61	
01 55 26 00-0027	CLF	4" Exterior Vinyl Warning Tape	28.78	

01 55 26 00-0028 Linear Delineation System, Temporary Or Permanent *(01 55 26)*

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

01 55 26 00-0029	LF	4" Linear Delineation System	12.01	
01 55 26 00-0030	LF	6" Linear Delineation System	16.25	

01 55 26 00-0031 Temporary Traffic Protection *(01 55 26)*

01 55 26 00-0032 Temporary Portable Traffic Control Device Usage *(01 55 26 00-0031)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0138 for Initial delivery, placement and final removal of temporary traffic devices, 01 55 26 00-0154 for daily (or as needed) placement and removal of temporary traffice devices.

01 55 26 00-0033	DAY	28" Cone With Reflective Collar	0.91	
01 55 26 00-0034	WK	28" Cone With Reflective Collar	2.73	
01 55 26 00-0035	MO	28" Cone With Reflective Collar	8.19	
01 55 26 00-0036	DAY	Vertical Panel	2.75	
01 55 26 00-0037	WK	Vertical Panel	8.25	
01 55 26 00-0038	MO	Vertical Panel	24.75	
01 55 26 00-0039	DAY	Channelizer Drum	2.99	
01 55 26 00-0040	WK	Channelizer Drum	8.96	
01 55 26 00-0041	MO	Channelizer Drum	26.87	
01 55 26 00-0042	DAY	Stackable Channelizer Panel	1.41	
01 55 26 00-0043	WK	Stackable Channelizer Panel	4.24	
01 55 26 00-0044	MO	Stackable Channelizer Panel	12.71	
01 55 26 00-0045	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.95	
01 55 26 00-0046	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.86	
01 55 26 00-0047	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.59	
01 55 26 00-0048	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.33	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0049	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	13.00	
01 55 26 00-0050	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	39.00	
01 55 26 00-0051	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.94	
01 55 26 00-0052	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.81	
01 55 26 00-0053	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	44.44	
01 55 26 00-0054	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	9.03	
01 55 26 00-0055	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	27.10	
01 55 26 00-0056	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	81.30	
01 55 26 00-0057	DAY	Up To 10' Wide A Frame Barricade	4.95	
01 55 26 00-0058	WK	Up To 10' Wide A Frame Barricade	14.86	
01 55 26 00-0059	MO	Up To 10' Wide A Frame Barricade	44.59	
01 55 26 00-0060	DAY	Type A Or C Flasher	1.01	
01 55 26 00-0061	WK	Type A Or C Flasher	3.03	
01 55 26 00-0062	MO	Type A Or C Flasher	9.09	
01 55 26 00-0063	DAY	Type B High Intensity Flasher	5.48	
01 55 26 00-0064	WK	Type B High Intensity Flasher	16.43	
01 55 26 00-0065	MO	Type B High Intensity Flasher	49.30	

01 55 26 00-0066 Temporary Traffic Barriers Usage *(01 55 26 00-0031)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0138 for delivery, placing and removal.

01 55 26 00-0067	DAY	6' Long Portable Parking Curbs	2.36	
01 55 26 00-0068	WK	6' Long Portable Parking Curbs	7.08	
01 55 26 00-0069	MO	6' Long Portable Parking Curbs	21.23	
01 55 26 00-0070	DAY	6' Long Portable Speed Bumps	6.98	
01 55 26 00-0071	WK	6' Long Portable Speed Bumps	20.95	
01 55 26 00-0072	MO	6' Long Portable Speed Bumps	62.84	
01 55 26 00-0073	DAY	8' To 12.5' Concrete Traffic Barrier	16.77	
01 55 26 00-0074	WK	8' To 12.5' Concrete Traffic Barrier	50.32	
01 55 26 00-0075	MO	8' To 12.5' Concrete Traffic Barrier	150.96	
01 55 26 00-0076	DAY	>12.5' To 20' Concrete Traffic Barrier	33.55	
01 55 26 00-0077	WK	>12.5' To 20' Concrete Traffic Barrier	100.64	
01 55 26 00-0078	MO	>12.5' To 20' Concrete Traffic Barrier	301.92	
01 55 26 00-0079	DAY	6' x 32" Tall Plastic Water Barrier	20.03	
01 55 26 00-0080	WK	6' x 32" Tall Plastic Water Barrier	60.09	
01 55 26 00-0081	MO	6' x 32" Tall Plastic Water Barrier	180.27	
01 55 26 00-0082	DAY	6' x 46" Tall Plastic Water Barrier	28.60	
01 55 26 00-0083	WK	6' x 46" Tall Plastic Water Barrier	85.80	
01 55 26 00-0084	MO	6' x 46" Tall Plastic Water Barrier	257.41	
01 55 26 00-0085	DAY	Sand Filled Crash Attenuator Barrels	11.19	
01 55 26 00-0086	WK	Sand Filled Crash Attenuator Barrels	33.58	
01 55 26 00-0087	MO	Sand Filled Crash Attenuator Barrels	100.75	
01 55 26 00-0088	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	1,588.72	

01 55 26 00-0089 Temporary Portable Signs And Message Displays Usage *(01 55 26 00-0031)*

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0138 for delivery, placing and removal.

01 55 26 00-0090	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.79	
01 55 26 00-0091	WK	Mesh Or Vinyl Roll-up Sign With Stand	26.37	
01 55 26 00-0092	MO	Mesh Or Vinyl Roll-up Sign With Stand	79.10	
01 55 26 00-0093	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.45	
01 55 26 00-0094	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	10.35	
01 55 26 00-0095	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	31.05	
01 55 26 00-0096	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.79	
01 55 26 00-0097	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	14.37	
01 55 26 00-0098	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	43.10	
01 55 26 00-0099	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.24	
01 55 26 00-0100	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	12.72	
01 55 26 00-0101	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	38.16	
01 55 26 00-0102	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.24	
01 55 26 00-0103	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	15.71	
01 55 26 00-0104	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	47.14	
01 55 26 00-0105	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	6.14	
01 55 26 00-0106	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	18.41	
01 55 26 00-0107	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	55.22	
01 55 26 00-0108	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	7.03	
01 55 26 00-0109	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	21.10	
01 55 26 00-0110	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	63.30	
01 55 26 00-0111	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	7.93	
01 55 26 00-0112	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	23.79	
01 55 26 00-0113	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	71.38	
01 55 26 00-0114	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	9.73	
01 55 26 00-0115	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	29.18	
01 55 26 00-0116	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	87.55	
01 55 26 00-0117	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	9.58	
01 55 26 00-0118	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	28.73	
01 55 26 00-0119	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	86.20	
01 55 26 00-0120	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	10.70	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0121	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	32.10	
01 55 26 00-0122	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	96.30	
01 55 26 00-0123	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.82	
01 55 26 00-0124	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	35.47	
01 55 26 00-0125	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	106.40	
01 55 26 00-0126	DAY	Aluminum Sign And Post	4.97	
01 55 26 00-0127	WK	Aluminum Sign And Post	14.91	
01 55 26 00-0128	MO	Aluminum Sign And Post	44.74	
01 55 26 00-0129	DAY	Trailer Mounted Flashing Arrow Board	183.67	
01 55 26 00-0130	WK	Trailer Mounted Flashing Arrow Board	508.37	
01 55 26 00-0131	MO	Trailer Mounted Flashing Arrow Board	1,344.72	
01 55 26 00-0132	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	304.65	
01 55 26 00-0133	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	812.40	
01 55 26 00-0134	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,624.80	
01 55 26 00-0135	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,495.13	
01 55 26 00-0136	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,485.39	
01 55 26 00-0137	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,456.17	

01 55 26 00-0138 Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Protection Using Truck *(01 55 26 00-0031)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 55 26 00-0154 for daily (or as needed) placement and removal of temporary traffice devices, 01 74 19 00-0039 for delivery >15 miles.

01 55 26 00-0139	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Cones Using Truck	4.13	
01 55 26 00-0140	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Cones Using Truck	3.62	
01 55 26 00-0141	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Panels/Channelizers Using Truck	6.81	
01 55 26 00-0142	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Panels/Channelizers Using Truck	5.67	
01 55 26 00-0143	EA	Initial Delivery, Placement And Final Removal From Site Of Up To 250 Temporary Traffic Barricades Using Truck	10.32	
01 55 26 00-0144	EA	Initial Delivery, Placement And Final Removal From Site Of >250 Temporary Traffic Barricades Using Truck	8.26	
01 55 26 00-0145	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Curbs/Speed Bumps Using Truck	10.32	
01 55 26 00-0146	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Portable Sign And Stand Using Truck	6.19	
01 55 26 00-0147	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Aluminum Sign And Post Using Truck	25.80	
01 55 26 00-0148	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Trailer Mounted Boards And Signals Using Truck	77.40	
01 55 26 00-0149	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary 8' To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	105.11	
		For 1 Barrier, Add	*262.78*	
		For 2 Barriers, Add	*94.60*	
		For 3 Barriers, Add	*31.53*	
01 55 26 00-0150	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary >12.5' To 20' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	157.67	
		For 1 Barrier, Add	*394.18*	
		For 2 Barriers, Add	*141.90*	
		For 3 Barriers, Add	*47.30*	
01 55 26 00-0151	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Plastic Water Barrier Note: Includes additional water as needed. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	60.21	
		For 1 Barrier, Add	*131.38*	
		For 2 Barriers, Add	*47.30*	
		For 3 Barriers, Add	*15.77*	
01 55 26 00-0152	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	78.83	
		For 1 Barrier, Add	*197.08*	
		For 2 Barriers, Add	*70.95*	
		For 3 Barriers, Add	*23.65*	
01 55 26 00-0153	EA	Initial Delivery, Placement And Final Removal From Site Of Temporary Traffic 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	578.11	

01 55 26 00-0154 Placement And Remove Temporary Traffic Protection From Roadside Or Work Area (Daily Or As Required) *(01 55 26 00-0031)*

01 55 26 00-0155	EA	Placement And Removal Of Up To 250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.58	
01 55 26 00-0156	EA	Placement And Removal Of >250 Temporary Traffic Cones By Hand From Roadside Or Work Area	2.07	
01 55 26 00-0157	EA	Placement And Removal Of Up To 250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	3.44	
01 55 26 00-0158	EA	Placement And Removal Of >250 Temporary Traffic Panels/Channelizers By Hand From Roadside Or Work Area	2.74	
01 55 26 00-0159	EA	Placement And Removal Of Up To 250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	5.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0160	EA	Placement And Removal Of >250 Temporary Traffic Barricades By Hand From Roadside Or Work Area	4.13	
01 55 26 00-0161	EA	Placement And Removal Of Temporary Traffic Portable Sign And Stand From Roadside Or Work Area	3.08	
01 55 26 00-0162	EA	Placement And Removal Of Temporary Traffic Trailer Mounted Boards And Signals From Roadside Or Work Area	38.71	
01 55 26 00-0163	EA	Relocation Of Temporary Traffic Concrete Traffic Barrier From Roadside Or Work Area Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	52.55	

01 55 26 00-0164 Place And Remove Temporary Signs For Detours *(01 55 26 00-0031)*

01 55 26 00-0165 Temporary Reflectorized Signs For Detours *(01 55 26 00-0164)*
Note: Excludes posts.

01 55 26 00-0166 Temporary Aluminum Engineer Grade Stop Signs For Detours *(01 55 26 00-0165)*

01 55 26 00-0167	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	98.71	
		For Hi-Intensity Grade, Add	*10.19*	
		For Diamond Grade, Add	*19.37*	
01 55 26 00-0168	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	112.77	
		For Hi-Intensity Grade, Add	*13.33*	
		For Diamond Grade, Add	*25.33*	
01 55 26 00-0169	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	121.60	
		For Hi-Intensity Grade, Add	*20.36*	
		For Diamond Grade, Add	*32.29*	
01 55 26 00-0170	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	139.14	
		For Hi-Intensity Grade, Add	*7.63*	
		For Diamond Grade, Add	*41.35*	
01 55 26 00-0171	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	181.06	
		For Hi-Intensity Grade, Add	*22.43*	
		For Diamond Grade, Add	*70.34*	

01 55 26 00-0172 Other Temporary Reflectorized Traffic Signs For Detours *(01 55 26 00-0165)*
Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

01 55 26 00-0173 Temporary Aluminum Engineer Grade Traffic Signs For Detours *(01 55 26 00-0172)*

01 55 26 00-0174	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	65.96	
		For Hi-Intensity Grade, Add	*2.53*	
01 55 26 00-0175	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	70.17	
		For Hi-Intensity Grade, Add	*3.79*	
01 55 26 00-0176	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	70.17	
		For Hi-Intensity Grade, Add	*3.79*	
01 55 26 00-0177	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	73.32	
		For Hi-Intensity Grade, Add	*4.73*	
01 55 26 00-0178	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	76.48	
		For Hi-Intensity Grade, Add	*5.68*	
01 55 26 00-0179	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	86.39	
		For Hi-Intensity Grade, Add	*7.58*	
01 55 26 00-0180	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	111.65	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0181	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	74.38	
		For Hi-Intensity Grade, Add	*5.05*	
01 55 26 00-0182	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	86.39	
		For Hi-Intensity Grade, Add	*7.58*	
01 55 26 00-0183	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	94.81	
		For Hi-Intensity Grade, Add	*10.10*	
01 55 26 00-0184	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	103.23	
		For Hi-Intensity Grade, Add	*12.63*	
01 55 26 00-0185	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	111.65	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0186	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	99.02	
		For Hi-Intensity Grade, Add	*11.36*	
01 55 26 00-0187	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	111.65	
		For Hi-Intensity Grade, Add	*15.15*	
01 55 26 00-0188	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	127.87	
		For Hi-Intensity Grade, Add	*18.94*	
01 55 26 00-0189	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	140.49	
		For Hi-Intensity Grade, Add	*22.73*	
01 55 26 00-0190	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	192.76	
		For Hi-Intensity Grade, Add	*34.09*	
01 55 26 00-0191	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	132.08	
		For Hi-Intensity Grade, Add	*20.21*	
01 55 26 00-0192	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	148.91	
		For Hi-Intensity Grade, Add	*25.25*	
01 55 26 00-0193	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	165.75	
		For Hi-Intensity Grade, Add	*30.31*	
01 55 26 00-0194	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	196.97	
		For Hi-Intensity Grade, Add	*35.36*	
01 55 26 00-0195	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	213.81	
		For Hi-Intensity Grade, Add	*40.41*	
01 55 26 00-0196	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	230.65	
		For Hi-Intensity Grade, Add	*45.46*	
01 55 26 00-0197	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	169.96	
		For Hi-Intensity Grade, Add	*31.57*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0198		EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	205.39	
			For Hi-Intensity Grade, Add	*37.88*	
01 55 26 00-0199		EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	226.44	
			For Hi-Intensity Grade, Add	*44.20*	
01 55 26 00-0200		EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	261.87	
			For Hi-Intensity Grade, Add	*50.51*	
01 55 26 00-0201		EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	318.34	
			For Hi-Intensity Grade, Add	*63.14*	
01 55 26 00-0202		EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	230.65	
			For Hi-Intensity Grade, Add	*45.46*	
01 55 26 00-0203		EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	270.29	
			For Hi-Intensity Grade, Add	*53.03*	
01 55 26 00-0204		EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	309.93	
			For Hi-Intensity Grade, Add	*60.61*	
01 55 26 00-0205		EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	335.18	
			For Hi-Intensity Grade, Add	*68.19*	
01 55 26 00-0206		EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	374.82	
			For Hi-Intensity Grade, Add	*75.76*	
01 55 26 00-0207		EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	443.93	
			For Hi-Intensity Grade, Add	*92.18*	
01 55 26 00-0208		EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	464.98	
			For Hi-Intensity Grade, Add	*98.49*	
01 55 26 00-0209		EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	612.83	
			For Hi-Intensity Grade, Add	*136.37*	
01 55 26 00-0210		EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	314.13	
			For Hi-Intensity Grade, Add	*61.87*	
01 55 26 00-0211		EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	391.66	
			For Hi-Intensity Grade, Add	*80.81*	
01 55 26 00-0212		EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	439.72	
			For Hi-Intensity Grade, Add	*90.92*	
01 55 26 00-0213		EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	473.40	
			For Hi-Intensity Grade, Add	*101.02*	
01 55 26 00-0214		EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	528.65	
			For Hi-Intensity Grade, Add	*111.12*	
01 55 26 00-0215		EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	562.32	
			For Hi-Intensity Grade, Add	*121.22*	
01 55 26 00-0216		EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	644.05	
			For Hi-Intensity Grade, Add	*141.43*	
01 55 26 00-0217		EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	711.39	
			For Hi-Intensity Grade, Add	*161.63*	
01 55 26 00-0218		EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	745.06	
			For Hi-Intensity Grade, Add	*171.73*	
01 55 26 00-0219		EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	785.93	
			For Hi-Intensity Grade, Add	*181.83*	
01 55 26 00-0220		EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	677.72	
			For Hi-Intensity Grade, Add	*151.53*	
01 55 26 00-0221		EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	1,055.31	
			For Hi-Intensity Grade, Add	*262.65*	

01 55 26 00-0222 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0164)*

Note: Including horizontal Z-bars.

01 55 26 00-0223		SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
			For Over 10' High, Add	*13.00*	

01 55 26 00-0224 Temporary Sign Posts For Detours *(01 55 26 00-0164)*

Note: Excludes sign.

01 55 26 00-0225 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0224)*

Note: Excludes digging and concrete.

01 55 26 00-0226 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0225)*

01 55 26 00-0227		EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	87.81	
01 55 26 00-0228		EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	114.31	
01 55 26 00-0229		EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	136.60	
01 55 26 00-0230		EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	159.85	
01 55 26 00-0231		EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	193.09	
01 55 26 00-0232		EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	205.09	

01 55 26 00-0233 Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0225)*

01 55 26 00-0234		EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	93.80	
01 55 26 00-0235		EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	123.81	
01 55 26 00-0236		EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	158.10	
01 55 26 00-0237		EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	183.61	
01 55 26 00-0238		EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	210.39	
01 55 26 00-0239		EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	220.14	

01 55 26 00-0240 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0225)*

01 55 26 00-0241		EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	86.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0242	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	111.23	
01 55 26 00-0243	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	132.89	
01 55 26 00-0244	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	155.43	
01 55 26 00-0245	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	185.07	
01 55 26 00-0246	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	200.34	
01 55 26 00-0247		Temporary Tubular Sign Posts For Detours *(01 55 26 00-0224)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0248		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0247)*		
01 55 26 00-0249	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	124.79	
01 55 26 00-0250	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	148.34	
01 55 26 00-0251	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	174.90	
01 55 26 00-0252	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	223.39	
01 55 26 00-0253	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	242.16	
01 55 26 00-0254		Temporary Square Sign Posts For Detours *(01 55 26 00-0224)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0255		Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0254)*		
01 55 26 00-0256	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	95.13	
01 55 26 00-0257	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	146.32	
01 55 26 00-0258	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	172.10	
01 55 26 00-0259	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	200.75	
01 55 26 00-0260	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	244.97	
01 55 26 00-0261	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	263.71	
01 55 26 00-0262		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0164)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0263		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0262)*		
01 55 26 00-0264		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0263)*		
01 55 26 00-0265	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	108.83	
01 55 26 00-0266	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	68.08	
01 55 26 00-0267		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0263)*		
01 55 26 00-0268	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.72	
01 55 26 00-0269		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0262)*		
01 55 26 00-0270		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0269)*		
01 55 26 00-0271	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	112.40	
01 55 26 00-0272	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	68.08	
01 55 26 00-0273		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours *(01 55 26 00-0269)*		
01 55 26 00-0274	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.93	
01 55 26 00-0275		Temporary Driven Sign Posts For Detours *(01 55 26 00-0262)*		
01 55 26 00-0276		Temporary Driven Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0275)*		
01 55 26 00-0277	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.63	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0278		Temporary Driven Posts, 4 Lb./LF For Detours *(01 55 26 00-0275)*		
01 55 26 00-0279	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.81	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0280		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0262)*		
01 55 26 00-0281		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0280)*		
		Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0282	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,221.01	
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,301.19	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	892.03	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	781.30	
01 55 26 00-0286	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	885.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	842.83	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	792.34	
01 55 26 00-0289		Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0280)*		
		Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0290	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	437.62	
01 55 26 00-0291	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	458.86	
01 55 26 00-0292	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	476.49	
01 55 26 00-0293	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	723.51	
01 55 26 00-0294	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	63.53	
01 55 26 00-0295	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	84.71	
01 55 26 00-0296		Temporary Rumble Strips *(01 55 26)*		
		Note: Includes removal after use.		
01 55 26 00-0297	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	14.34	
01 55 26 00-0298	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.31	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

01 56 16 00-0001		Temporary Sheeting For Protection *(01 56 16)*		
		Note: Includes removal after use.		
01 56 16 00-0002	SF	4 Mil, Plastic Sheeting, Applied To Floors	0.37	
01 56 16 00-0003	SF	4 Mil, Plastic Sheeting, Applied To Walls	0.49	
01 56 16 00-0004	SF	4 Mil, Plastic Sheeting, Applied To Ceilings	0.66	
01 56 16 00-0005	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.40	
01 56 16 00-0006	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.52	
01 56 16 00-0007	SF	4 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.69	
01 56 16 00-0008	SF	6 Mil, Plastic Sheeting, Applied To Floors	0.41	
		Note: Includes removal after use.		
01 56 16 00-0009	SF	6 Mil, Plastic Sheeting, Applied To Walls	0.53	
		Note: Includes removal after use.		
01 56 16 00-0010	SF	6 Mil, Plastic Sheeting, Applied To Ceilings	0.70	
		Note: Includes removal after use.		
01 56 16 00-0011	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding	0.69	
		Note: Includes removal after use.		
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors	0.49	
		Note: Includes removal after use.		
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls	0.61	
		Note: Includes removal after use.		
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings	0.78	
		Note: Includes removal after use.		
01 56 16 00-0015	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding	0.73	
		Note: Includes removal after use.		
01 56 16 00-0016	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.95	
		Note: Includes removal after use.		
01 56 16 00-0017	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors	0.52	
		Note: Includes removal after use.		
01 56 16 00-0018	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls	0.64	
		Note: Includes removal after use.		
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings	0.81	
		Note: Includes removal after use.		
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding	0.76	
		Note: Includes removal after use.		
01 56 16 00-0021	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors	0.51	
		Note: Includes removal after use.		
01 56 16 00-0022	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls	0.63	
		Note: Includes removal after use.		
01 56 16 00-0023	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings	0.80	
		Note: Includes removal after use.		
01 56 16 00-0024	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.75	
		Note: Includes removal after use.		
01 56 16 00-0025	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors	0.58	
		Note: Includes removal after use.		
01 56 16 00-0026	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls	0.70	
		Note: Includes removal after use.		
01 56 16 00-0027	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings	0.87	
		Note: Includes removal after use.		
01 56 16 00-0028	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding	0.82	
		Note: Includes removal after use.		
01 56 16 00-0029		Temporary Canvas For Protection *(01 56 16)*		
		Note: Includes removal after use.		
01 56 16 00-0030	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	1.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0031		**Accessories For Temporary Sheeting** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0032	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	26.28	
01 56 16 00-0033	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	10.41	
01 56 16 00-0034		**Magnetic Barriers For Temporary Sheeting** *(01 56 16)*		
01 56 16 00-0035	EA	Magnetic Dust Barrier Door System For Plastic Sheeting Note: Multi use. Excludes spring poles and magnetic strips.	28.10	
01 56 16 00-0036	EA	29" To 50", Dust Barrier Spring Pole For Door System Note: Multi use.	7.62	
01 56 16 00-0037	EA	Magnetic Strip For Door System Note: Multi use.	3.95	
01 56 16 00-0038		**Temporary Critical Barriers For Protection** *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0039	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	14.44	
01 56 16 00-0040	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	21.89	
01 56 16 00-0041	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	29.40	
01 56 16 00-0042	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	45.78	
01 56 16 00-0043		**Temporary Stud Wall** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0044		**Temporary Stud Wall With Drywall** *(01 56 16 00-0043)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0045		**Temporary Stud Wall With Drywall** *(01 56 16 00-0044)*		
01 56 16 00-0046	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.62	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0047	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.62	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0048	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.74	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0049	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.58	
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0050	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.58	
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0051	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.83	
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0052		**Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0044)*		
01 56 16 00-0053	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.76	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0054	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.80	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0055	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.73	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0056	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.71	
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0057	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.87	
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0058	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.95	
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0059	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.80	
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0060	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center	12.77	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	

01 56 16 00-0061 Temporary Stud Wall With Oriented Strand Board (OSB) *(01 56 16 00-0043)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0062	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.44	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0063	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.49	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0064	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.64	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0065	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.73	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0066	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.23	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0067	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.33	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0068	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.63	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0069	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.80	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	

01 56 16 00-0070 Temporary Stud Wall With BC Plywood *(01 56 16 00-0043)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.

01 56 16 00-0071	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.80	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0072	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	7.99	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0073	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	8.22	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0074	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center	8.39	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.28*	
01 56 16 00-0075	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	10.94	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0076	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	11.34	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0077	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	11.79	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	
01 56 16 00-0078	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center	12.12	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.40*	

01 56 16 00-0079 Temporary Stud Wall With Plastic Sheeting *(01 56 16 00-0043)*

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.

01 56 16 00-0080	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.33	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0081	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.41	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0082	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.44	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0083	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.43	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	
01 56 16 00-0084	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	4.50	
		Note: Includes removal after use.		
		For Metal Studs 24" On Center, Add/Deduct	*1.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0085		**Temporary Doors** *(01 56 16 00-0043)* Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0086	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	697.24	
01 56 16 00-0087		**Temporary Floor Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0088	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	1.96	
01 56 16 00-0089	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.07	
01 56 16 00-0090	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.33	
01 56 16 00-0091	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.93	
01 56 16 00-0092	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.36	
01 56 16 00-0093	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	28.82	
01 56 16 00-0094	SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.78	
01 56 16 00-0095	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.65	
		For Seam Tape, Add Per LF	*0.28*	
01 56 16 00-0096	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.76	
		For Seam Tape, Add Per LF	*0.28*	
01 56 16 00-0097		**Sticky Mats** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0098	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	39.78	
		For 60 Layers Instead Of 30, Add	*26.24*	
01 56 16 00-0099	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	45.61	
		For 60 Layers Instead Of 30, Add	*30.61*	
01 56 16 00-0100	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	45.61	
		For 60 Layers Instead Of 30, Add	*30.61*	
01 56 16 00-0101	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	60.19	
		For 60 Layers Instead Of 30, Add	*41.54*	
01 56 16 00-0102	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	66.02	
		For 60 Layers Instead Of 30, Add	*45.92*	
01 56 16 00-0103	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	71.85	
		For 60 Layers Instead Of 30, Add	*50.29*	
01 56 16 00-0104	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	144.73	
		For 60 Layers Instead Of 30, Add	*104.95*	
01 56 16 00-0105	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	172.71	
01 56 16 00-0106		**Temporary Panel Assembly Rentals (Edge Guard)** *(01 56 16)*		
01 56 16 00-0107		**Barrier System Panels** *(01 56 16 00-0106)* Note: Panels are adjustable from 7'-8" to 10'-0" height and includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
01 56 16 00-0108	WK	4' Panel Assembly Rental (Edge Guard 4000)	84.74	
01 56 16 00-0109	MO	4' Panel Assembly Rental (Edge Guard 4000)	388.57	
01 56 16 00-0110	WK	3' Panel Assembly Rental (Edge Guard 4001)	79.89	
01 56 16 00-0111	MO	3' Panel Assembly Rental (Edge Guard 4001)	370.41	
01 56 16 00-0112	WK	2' Panel Assembly Rental (Edge Guard 4002)	62.95	
01 56 16 00-0113	MO	2' Panel Assembly Rental (Edge Guard 4002)	292.34	
01 56 16 00-0114	WK	2' Panel Assembly With HEPA Filtered Air Discharge Port Rental (Edge Guard 4002.1)	111.69	
01 56 16 00-0115	MO	2' Panel Assembly With HEPA Filtered Air Discharge Port Rental (Edge Guard 4002.1)	515.06	
01 56 16 00-0116	WK	4' Panel Assembly Rental With 44" Door (Edge Guard 4003)	168.26	
01 56 16 00-0117	MO	4' Panel Assembly Rental With 44" Door (Edge Guard 4003)	775.33	
01 56 16 00-0118	WK	Hinged Corner Assembly Rental (Edge Guard 4004)	29.05	
01 56 16 00-0119	MO	Hinged Corner Assembly Rental (Edge Guard 4004)	130.73	
01 56 16 00-0120	WK	6" Panel Assembly Rental (Edge Guard 4005)	60.92	
01 56 16 00-0121	MO	6" Panel Assembly Rental (Edge Guard 4005)	282.45	
01 56 16 00-0122	WK	12" Panel Assembly Rental (Edge Guard 4006)	44.79	
01 56 16 00-0123	MO	12" Panel Assembly Rental (Edge Guard 4006)	205.18	
01 56 16 00-0124	WK	Outside Corner Post Rental (Edge Guard 4007)	24.21	
01 56 16 00-0125	MO	Outside Corner Post Rental (Edge Guard 4007)	108.94	
01 56 16 00-0126	WK	52" Panel Assembly Rental With 48" Door (Edge Guard 4008)	470.76	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0127	MO	52" Panel Assembly Rental With 48" Door (Edge Guard 4008)	2,171.01	
01 56 16 00-0128	WK	T Post Rental (Edge Guard 4009)	24.21	
01 56 16 00-0129	MO	T Post Rental (Edge Guard 4009)	108.94	
01 56 16 00-0130	WK	36" Panel Assembly Rental With 32" Door (Edge Guard 4010)	238.15	
01 56 16 00-0131	MO	36" Panel Assembly Rental With 32" Door (Edge Guard 4010)	1,279.35	
01 56 16 00-0132		Installation Of Barrier System Panels *(01 56 16 00-0106)*		
		Note: Includes removal after use.		
01 56 16 00-0133	LF	Installation Of Panel Assembly Rental (Edge Guard)	78.03	
		Note: Includes panels and corners		

01 56 26 Temporary Fencing *(01 56)*

01 56 26 00-0001		Temporary Fencing *(01 56 26)*		
		Note: Per ASTM A392-06 Standards		
01 56 26 00-0002		Temporary Chain Link Fence *(01 56 26 00-0001)*		
		Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003		Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*		
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.46	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.36*	
		For >500, Deduct	*-0.54*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	8.32	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	11.53	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.04*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	25.66	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-2.06*	
		For >500, Deduct	*-3.09*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0008		Temporary Chain Link Fence, >6 To 12 Months *(01 56 26 00-0002)*		
01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.83	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.72	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.68*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	12.21	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.14*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	27.71	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.39*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0013		Temporary Chain Link Fence, >12 To 18 Months *(01 56 26 00-0002)*		
01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	8.24	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.66*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	9.18	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.74*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.99	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.26*	
		For Each LF Shade Cloth, Add	*3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	29.97	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.73*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0018 Temporary Chain Link Fence, >18 Months *(01 56 26 00-0002)*

01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.67	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.48*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.65	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.54*	
		For >500, Deduct	*-0.81*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	13.81	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.38*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	32.46	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.74*	
		For >500, Deduct	*-4.11*	
		For Each LF Shade Cloth, Add	*4.75*	

01 56 26 00-0023 Temporary Chain Link Fence Gates *(01 56 26 00-0001)*

Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.

01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0023)*

01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	303.18	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	513.19	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	575.12	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	654.32	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	784.43	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	872.39	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	324.25	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	553.50	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	621.61	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	719.47	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	870.08	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	985.75	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	361.85	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	633.31	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	708.91	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	810.98	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	991.13	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,147.58	
		For Shade Cloth, Add	*233.11*	

01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*

01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	438.98	
		For Each LF Shade Cloth, Add	*51.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	760.72	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	853.20	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	974.64	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,191.44	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,373.31	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0053 Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*

01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	314.75	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	531.17	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	595.68	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	677.44	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	812.70	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	903.22	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	336.34	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	572.30	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	643.10	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	743.65	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	899.63	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,017.99	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	375.14	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	654.00	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	732.55	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	837.58	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,023.63	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,183.04	
		For Shade Cloth, Add	*233.11*	

01 56 26 00-0075 10' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*

01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	455.60	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	786.57	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	882.75	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,007.89	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,232.07	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,417.63	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0023)*

01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	326.89	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	550.06	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	617.26	
		For Each LF Shade Cloth, Add	*51.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	701.73	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	842.37	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	935.60	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	349.04	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	592.04	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	665.66	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	769.03	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	930.66	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,051.83	
		For Each LF Shade Cloth, Add	*165.12*	

01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	389.11	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	675.72	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	757.37	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	865.50	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,057.76	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,220.27	
		For Shade Cloth, Add	*233.11*	

01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months *(01 56 26 00-0082)*

01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	473.06	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	813.72	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	913.78	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,042.79	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,274.73	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,464.17	
		For Each LF Shade Cloth, Add	*307.57*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	339.03	
		For Each LF Shade Cloth, Add	*17.27*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	568.95	
		For Each LF Shade Cloth, Add	*43.17*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	638.85	
		For Each LF Shade Cloth, Add	*51.80*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	726.01	
		For Each LF Shade Cloth, Add	*64.75*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	872.05	
		For Each LF Shade Cloth, Add	*86.34*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	967.98	
		For Each LF Shade Cloth, Add	*103.60*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	361.73	
		For Each LF Shade Cloth, Add	*27.52*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	611.79	
		For Each LF Shade Cloth, Add	*68.80*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	688.23	
		For Each LF Shade Cloth, Add	*82.56*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	794.42	
		For Each LF Shade Cloth, Add	*103.20*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	961.68	
		For Each LF Shade Cloth, Add	*137.60*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,085.68	
		For Each LF Shade Cloth, Add	*165.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0126		**8' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	403.07	
		For Each LF Shade Cloth, Add	*38.85*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	697.44	
		For Shade Cloth, Add	*97.13*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	782.20	
		For Shade Cloth, Add	*116.55*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	893.42	
		For Shade Cloth, Add	*145.69*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,091.89	
		For Shade Cloth, Add	*194.26*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,257.50	
		For Shade Cloth, Add	*233.11*	
01 56 26 00-0133		**10' High, Temporary Chain Link Fence Gates, >18 Months** *(01 56 26 00-0111)*		
01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	490.51	
		For Each LF Shade Cloth, Add	*51.26*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	840.87	
		For Each LF Shade Cloth, Add	*128.16*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	944.80	
		For Each LF Shade Cloth, Add	*153.79*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,077.70	
		For Each LF Shade Cloth, Add	*192.23*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,317.40	
		For Each LF Shade Cloth, Add	*256.31*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,510.71	
		For Each LF Shade Cloth, Add	*307.57*	
01 56 26 00-0140		**Temporary Chain Link Fence Panels (Portable)** *(01 56 26 00-0001)*		
		Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141		**Temporary Chain Link Fence Panels (Portable), Up To 6 Months** *(01 56 26 00-0140)*		
01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	8.17	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.43*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	9.09	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	12.46	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.18*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0145		**Temporary Chain Link Fence Panels (Portable), >6 To 12 Months** *(01 56 26 00-0140)*		
01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.55	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.71*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.49	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	13.14	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.28*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0149		**Temporary Chain Link Fence Panels (Portable), >12 To 18 Months** *(01 56 26 00-0140)*		
01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.92	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.96	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.86*	
		For Each LF Shade Cloth, Add	*2.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.92	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.40*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	9.38	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.83*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	10.43	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.93*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	14.72	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.52*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	7.30

01 56 26 00-0159 Temporary Rail And Timber Structure *(01 56 26 00-0001)*

01 56 26 00-0160	LF	4' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	238.94
01 56 26 00-0161	LF	6' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	340.88
01 56 26 00-0162	LF	8' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	442.81
01 56 26 00-0163	LF	10' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	566.95
01 56 26 00-0164	LF	12' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	659.28
01 56 26 00-0165	LF	15' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	756.43

01 56 26 00-0166 Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)*

Note: Excludes auguring/drilling for posts.

01 56 26 00-0167 Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0166)*

01 56 26 00-0168	LF	Relocate Temporary 4' High Chain Link Fence And Posts	4.25
01 56 26 00-0169	LF	Relocate Temporary 6' High Chain Link Fence And Posts	6.36
01 56 26 00-0170	LF	Relocate Temporary 8' High Chain Link Fence And Posts	9.19
01 56 26 00-0171	LF	Relocate Temporary 10' High Chain Link Fence And Posts	11.32

01 56 26 00-0172 Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0166)*

01 56 26 00-0173	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.96
01 56 26 00-0174	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.15
01 56 26 00-0175	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.29

01 56 26 00-0176 Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0166)*

01 56 26 00-0177	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	124.66
01 56 26 00-0178	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	143.84
01 56 26 00-0179	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	177.40
01 56 26 00-0180	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	191.79

01 56 26 00-0181 Temporary Safety Fence *(01 56 26)*

Note: Includes removal after use.

01 56 26 00-0182	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.69

01 56 29 Temporary Protective Walkways *(01 56)*

01 56 29 00-0001 Temporary Sidewalk Bridge Protection *(01 56 29)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 56 29 00-0002 Installation of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.

01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	204.11
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
		For 3 Post System, Add	*6.00*
		For Each Additional Foot Over 8' Wide, Add	*3.00*
		For Each Additional Foot Over 8' High, Add	*2.00*
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	5.20

01 56 29 00-0005 Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)*

Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.

01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	15.89
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*2.38*
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	17.89
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*2.68*
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.88
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*2.98*
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	19.88
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*2.98*
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	21.84
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*3.28*
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	25.86
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*3.88*
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	23.87
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*3.58*
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.84
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*4.18*
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.79
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.	
		For 3 Post System, Add	*4.47*
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.98

01 56 29 00-0016 Removal of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	42.48
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	
		For 3 Post System, Add	*2.50*
		For Each Additional Foot Over 8' Wide, Add	*1.25*
		For Each Additional Foot Over 8' High, Add	*0.75*
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.43

01 56 29 00-0019 Temporary Safety Nets *(01 56 29)*

Note: Includes removal after use.

01 56 29 00-0020	SF	Small Mesh Debris Netting	3.01
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	

01 56 33 Temporary Security Barriers *(01 56)*

01 56 33 00-0001 Board-up Opening With Plywood *(01 56 33)*

Note: For use where directed by owner for boarding up door and window openings.

01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	14.39
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	9.31
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.78

01 56 33 00-0005 Temporary Pedestrian Barricade *(01 56 33)*

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.84
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	36.04
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	108.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 56 39 Temporary Tree and Plant Protection *(01 56)*

01 56 39 00-0001 Temporary Tree Guards *(01 56 39)*
Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	210.58
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	250.14
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	271.96

01 57 Temporary Controls *(01 50)*

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*
Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	115.49
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217) Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.	113.31
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219) Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.	144.03
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356) Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.	141.82
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358) Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.	174.75

01 57 26 Site Watering for Dust Control *(01 57)*

01 57 26 00-0001 Site Watering for Dust Control *(01 57 26)*
See CSI section 31 23 23 23-0001 for water and water truck.

01 57 26 00-0002	MSF	Apply Synthetic, Liquid Dust Suppression Fluid With GTL Technology (Soil Works Durasoil) Note: GTL (Gas-to-Liquid)	110.14
01 57 26 00-0003	MSF	Apply 2% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	45.45
01 57 26 00-0004	MSF	Apply 4% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	68.36
01 57 26 00-0005	MSF	Apply 8% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	114.16
01 57 26 00-0006	MSF	Apply 12% Solution Of Biodegradable, Liquid Copolymer Dust Suppression Fluid To Ground (Soil Works Gorrila-Snot)	159.97

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*
Note: Excludes posts.

01 58 13 00-0003 Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0004 Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*

01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	167.02	26.38
		For High-Intensity Grade, Add	*39.99*	
		For Diamond Grade, Add	*77.13*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	283.70	27.57
		For High-Intensity Grade, Add	*79.99*	
		For Diamond Grade, Add	*154.27*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	400.36	28.77
		For High-Intensity Grade, Add	*119.99*	
		For Diamond Grade, Add	*231.40*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	517.04	29.97
		For High-Intensity Grade, Add	*159.99*	
		For Diamond Grade, Add	*308.54*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	16.20	0.96
		For High-Intensity Grade, Add	*5.00*	
		For Diamond Grade, Add	*9.64*	

01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*

01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*

01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	214.84	26.38
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	255.92	27.57
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	320.01	28.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	380.54	29.97
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.94	0.96
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	219.40	26.38
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	280.52	27.57
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	345.01	28.77
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	401.97	29.97
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.61	0.96
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)*		
		Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	20.61	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	15.56	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	18.63	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	95.90	

01 60 Product Requirements *(01)*

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001		Transfer Delivered Materials Between Floors *(01 66 19)*		
		Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor	18.44	
		Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip	11.99	
		Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0004	EA	Moving Material Via Elevator 4" x 24" x 48" Container Per Trip	0.62	
01 66 19 00-0005	EA	Moving Material Via Elevator 6" x 24" x 48" Container Per Trip	0.93	
01 66 19 00-0006	EA	Moving Material Via Elevator 9" x 24" x 48" Container Per Trip	1.40	
01 66 19 00-0007	EA	Moving Material Via Elevator 12" x 24" x 48" Container Per Trip	1.88	
01 66 19 00-0008	EA	Moving Material Via Elevator 4" x 48" x 48" Container Per Trip	1.25	
01 66 19 00-0009	EA	Moving Material Via Elevator 6" x 48" x 48" Container Per Trip	1.88	
01 66 19 00-0010	EA	Moving Material Via Elevator 9" x 48" x 48" Container Per Trip	2.81	
01 66 19 00-0011	EA	Moving Material Via Elevator 9" x 9" x 48" Container Per Trip	0.53	
01 66 19 00-0012	EA	Moving Material Via Elevator 12" x 12" x 48" Container Per Trip	0.93	
01 66 19 00-0013	EA	Moving Material Via Elevator 8.5" x 4.25" x 48" Container Per Trip	0.23	
01 66 19 00-0014	EA	Moving Material Via Elevator 16" x 16" x 24" Container Per Trip	0.83	
01 66 19 00-0015	EA	Moving Material Via Elevator 22" x 22" x 24" Container Per Trip	1.57	
01 66 19 00-0016	EA	Moving Material Via Elevator 48" x 40" x 48" Container Per Trip	12.50	
01 66 19 00-0017	EA	Moving Material Via Elevator 9" x 9" x 96" Container Per Trip	1.05	
01 66 19 00-0018	EA	Moving Material Via Elevator 12" x 12" x 96" Container Per Trip	1.88	
01 66 19 00-0019	EA	Moving Material Via Elevator 8.5" x 4.25" x 96" Container Per Trip	0.47	
01 66 19 00-0020	EA	Moving Material Via Elevator 3.5 Gallon Round Container Per Trip	0.11	
01 66 19 00-0021	EA	Moving Material Via Elevator 5 Gallon Round Container Per Trip	0.16	
01 66 19 00-0022	EA	Moving Material Via Elevator 14 Gallon Round Container Per Trip	0.44	
01 66 19 00-0023	EA	Moving Material Via Elevator 30 Gallon Round Container Per Trip	0.94	
01 66 19 00-0024	EA	Moving Material Via Elevator 55 Gallon Round Container Per Trip	1.73	
01 66 19 00-0025	EA	Moving Material Via Stairs 4" x 24" x 48" Container Per Floor Per Trip	1.04	
01 66 19 00-0026	EA	Moving Material Via Stairs 6" x 24" x 48" Container Per Floor Per Trip	1.56	
01 66 19 00-0027	EA	Moving Material Via Stairs 9" x 24" x 48" Container Per Floor Per Trip	2.35	
01 66 19 00-0028	EA	Moving Material Via Stairs 12" x 24" x 48" Container Per Floor Per Trip	3.13	
01 66 19 00-0029	EA	Moving Material Via Stairs 4" x 48" x 48" Container Per Floor Per Trip	2.09	
01 66 19 00-0030	EA	Moving Material Via Stairs 6" x 48" x 48" Container Per Floor Per Trip	3.13	
01 66 19 00-0031	EA	Moving Material Via Stairs 9" x 48" x 48" Container Per Floor Per Trip	4.68	
01 66 19 00-0032	EA	Moving Material Via Stairs 9" x 9" x 48" Container Per Floor Per Trip	0.88	
01 66 19 00-0033	EA	Moving Material Via Stairs 12" x 12" x 48" Container Per Floor Per Trip	1.56	
01 66 19 00-0034	EA	Moving Material Via Stairs 8.5" x 4.25" x 48" Container Per Floor Per Trip	0.39	
01 66 19 00-0035	EA	Moving Material Via Stairs 16" x 16" x 24" Container Per Floor Per Trip	1.38	
01 66 19 00-0036	EA	Moving Material Via Stairs 22" x 22" x 24" Container Per Floor Per Trip	2.63	
01 66 19 00-0037	EA	Moving Material Via Stairs 48" x 40" x 48" Container Per Floor Per Trip	12.50	
01 66 19 00-0038	EA	Moving Material Via Stairs 9" x 9" x 96" Container Per Floor Per Trip	1.76	
01 66 19 00-0039	EA	Moving Material Via Stairs 12" x 12" x 96" Container Per Floor Per Trip	3.13	
01 66 19 00-0040	EA	Moving Material Via Stairs 8.5" x 4.25" x 96" Container Per Floor Per Trip	0.78	
01 66 19 00-0041	EA	Moving Material Via Stairs 3.5 Gallon Round Container Per Floor Per Trip	0.18	
01 66 19 00-0042	EA	Moving Material Via Stairs 5 Gallon Round Container Per Floor Per Trip	0.26	
01 66 19 00-0043	EA	Moving Material Via Stairs 14 Gallon Round Container Per Floor Per Trip	0.73	
01 66 19 00-0044	EA	Moving Material Via Stairs 30 Gallon Round Container Per Floor Per Trip	1.56	
01 66 19 00-0045	EA	Moving Material Via Stairs 55 Gallon Round Container Per Floor Per Trip	2.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0046		**Transfer Delivered Materials Distances Greater Than 125'** *(01 66 19)* Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0047	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.49	
01 66 19 00-0048	EA	Handling Material For Over 125' Per 4" x 24" x 48" Container Per 125' Segment	0.49	
01 66 19 00-0049	EA	Handling Material For Over 125' Per 6" x 24" x 48" Container Per 125' Segment	0.74	
01 66 19 00-0050	EA	Handling Material For Over 125' Per 9" x 24" x 48" Container Per 125' Segment	1.10	
01 66 19 00-0051	EA	Handling Material For Over 125' Per 12" x 24" x 48" Container Per 125' Segment	1.47	
01 66 19 00-0052	EA	Handling Material For Over 125' Per 4" x 48" x 48" Container Per 125' Segment	0.98	
01 66 19 00-0053	EA	Handling Material For Over 125' Per 6" x 48" x 48" Container Per 125' Segment	1.47	
01 66 19 00-0054	EA	Handling Material For Over 125' Per 9" x 48" x 48" Container Per 125' Segment	2.22	
01 66 19 00-0055	EA	Handling Material For Over 125' Per 9" x 9" x 48" Container Per 125' Segment	0.41	
01 66 19 00-0056	EA	Handling Material For Over 125' Per 12" x 12" x 48" Container Per 125' Segment	0.74	
01 66 19 00-0057	EA	Handling Material For Over 125' Per 8.5" x 4.25" x 48" Container Per 125' Segment	0.18	
01 66 19 00-0058	EA	Handling Material For Over 125' Per 16" x 16" x 24" Container Per 125' Segment	0.65	
01 66 19 00-0059	EA	Handling Material For Over 125' Per 22" x 22" x 24" Container Per 125' Segment	1.24	
01 66 19 00-0060	EA	Handling Material For Over 125' Per 48" x 40" x 48" Container Per 125' Segment	9.85	
01 66 19 00-0061	EA	Handling Material For Over 125' Per 9" x 9" x 96" Container Per 125' Segment	0.83	
01 66 19 00-0062	EA	Handling Material For Over 125' Per 12" x 12" x 96" Container Per 125' Segment	1.47	
01 66 19 00-0063	EA	Handling Material For Over 125' Per 8.5" x 4.25" x 96" Container Per 125' Segment	0.37	
01 66 19 00-0064	EA	Handling Material For Over 125' Per 3.5 Gallon Round Container Per 125' Segment	0.09	
01 66 19 00-0065	EA	Handling Material For Over 125' Per 5 Gallon Round Container Per 125' Segment	0.12	
01 66 19 00-0066	EA	Handling Material For Over 125' Per 14 Gallon Round Container Per 125' Segment	0.34	
01 66 19 00-0067	EA	Handling Material For Over 125' Per 30 Gallon Round Container Per 125' Segment	0.74	
01 66 19 00-0068	EA	Handling Material For Over 125' Per 55 Gallon Round Container Per 125' Segment	1.35	
01 66 19 00-0069		**Transfer Demolition Debris Between Floors** *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0070	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor Note: Quantity equals material volume times bulk factor times number of floors traveled.	18.44	
01 66 19 00-0071	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.	11.99	
01 66 19 00-0072		**Transfer Demolition Debris Distances Greater Than 125'** *(01 66 19)* Note: Only for use with demolition tasks.		
01 66 19 00-0073	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.49	
01 66 19 00-0074		**Moving Furniture And Furnishings** *(01 66 19)* Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0075	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.19	

01 66 23 Off-Site Storage Facilities *(01 66)*

01 66 23 00-0001		**Climate And Humidity Controlled Off-site Storage Facility** *(01 66 23)*		
01 66 23 00-0002	MO	5' x 10', Climate And Humidity Controlled Storage Facility	316.32	
01 66 23 00-0003	MO	10' x 10', Climate And Humidity Controlled Storage Facility	354.37	
01 66 23 00-0004	MO	10' x 20', Climate And Humidity Controlled Storage Facility	651.66	
01 66 23 00-0005	MO	15' x 15', Climate And Humidity Controlled Storage Facility	801.50	
01 66 23 00-0006	MO	10' x 30', Climate And Humidity Controlled Storage Facility	1,027.44	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001		**Equipment Delivery, Pickup, Mobilization And Demobilization** *(01 71 13)* Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.		
01 71 13 00-0002	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	532.82	
01 71 13 00-0003	MI	>25 Miles, Equipment Delivery And Pickup Using A Rollback Flatbed Truck Note: Excludes first 25 miles.	5.69	
01 71 13 00-0004	EA	First 25 Miles, Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,647.22	
01 71 13 00-0005	MI	>25 Miles, Equipment Delivery And Pickup Using A Tractor Trailer With Up To 53' Bed Note: Excludes first 25 miles.	13.18	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0006		Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)* Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		
01 71 13 00-0007	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	568.34	
		For >30 To 60 Miles Radius, Add	*142.09*	
		For >60 To 100 Miles Radius, Add	*227.34*	
01 71 13 00-0008	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	923.56	
		For >30 To 60 Miles Radius, Add	*230.89*	
		For >60 To 100 Miles Radius, Add	*369.42*	
01 71 13 00-0009	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,278.77	
		For >30 To 60 Miles Radius, Add	*319.69*	
		For >60 To 100 Miles Radius, Add	*511.51*	
01 71 13 00-0010	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,060.23	
		For >30 To 60 Miles Radius, Add	*515.06*	
		For >60 To 100 Miles Radius, Add	*824.09*	
01 71 13 00-0011	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,585.95	
		For >30 To 60 Miles Radius, Add	*646.49*	
		For >60 To 100 Miles Radius, Add	*1,034.38*	
01 71 13 00-0012	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,218.23	
		For >30 To 60 Miles Radius, Add	*804.56*	
		For >60 To 100 Miles Radius, Add	*1,287.29*	
01 71 13 00-0013	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,708.42	
		For >30 To 60 Miles Radius, Add	*927.11*	
		For >60 To 100 Miles Radius, Add	*1,483.37*	
01 71 13 00-0014	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	4,148.89	
		For >30 To 60 Miles Radius, Add	*1,037.22*	
		For >60 To 100 Miles Radius, Add	*1,659.56*	
01 71 13 00-0015	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,202.32	
		For >30 To 60 Miles Radius, Add	*550.58*	
		For >60 To 100 Miles Radius, Add	*880.93*	
01 71 13 00-0016	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,481.08	
		For >30 To 60 Miles Radius, Add	*870.27*	
		For >60 To 100 Miles Radius, Add	*1,392.43*	
01 71 13 00-0017	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,404.64	
		For >30 To 60 Miles Radius, Add	*1,101.16*	
		For >60 To 100 Miles Radius, Add	*1,761.86*	
01 71 13 00-0018	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,470.28	
		For >30 To 60 Miles Radius, Add	*1,367.57*	
		For >60 To 100 Miles Radius, Add	*2,188.11*	
01 71 13 00-0019	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,820.09	
		For >30 To 60 Miles Radius, Add	*1,705.02*	
		For >60 To 100 Miles Radius, Add	*2,728.04*	
01 71 13 00-0020	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,956.77	
		For >30 To 60 Miles Radius, Add	*1,989.19*	
		For >60 To 100 Miles Radius, Add	*3,182.71*	
01 71 13 00-0021	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	11,366.82	
		For >30 To 60 Miles Radius, Add	*2,841.71*	
		For >60 To 100 Miles Radius, Add	*4,546.73*	
01 71 13 00-0022	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	15,586.74	
		For >30 To 60 Miles Radius, Add	*3,896.69*	
		For >60 To 100 Miles Radius, Add	*6,234.70*	

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001		Conventional Topographic Survey *(01 71 23 16)* Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.		
01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,359.49	
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,798.29	
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,456.03	
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	8,192.44	
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings)	10,252.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0007		**Property Lines Survey** *(01 71 23 16)*		
		Note: Not to be added to tasks in the "Conventional Topographic Survey" section.		
01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	3.02	
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.49	
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	4.08	
01 71 23 16-0011		**Survey Monument** *(01 71 23 16)*		
01 71 23 16-0012	EA	3' Precast Survey Monument	213.89	
		For Owner Furnished Monument, Deduct	*-85.15*	
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	320.29	
01 71 23 16-0014	EA	Riser Ring For Survey Monument	165.22	
01 71 23 16-0015	EA	Reset/Relocate/Adjust Survey Monument Cover To Grade	255.45	
01 71 23 16-0016		**Facade Surveying** *(01 71 23 16)*		
01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	8.29	
01 71 23 16-0018		**Utility Survey** *(01 71 23 16)*		
		Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	6,982.16	
01 71 23 16-0020		**Drone Survey (Extreme Aerial Productions)** *(01 71 23 16)*		
		Note: Thermographic services to electrical line grid inspections.		
01 71 23 16-0021		**Mobilization For Drone Surveying** *(01 71 23 16-0020)*		
01 71 23 16-0022	EA	Mobilization For Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	276.92	
01 71 23 16-0023	EA	Mobilization For > 1000 Acres Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	692.29	
01 71 23 16-0024	EA	Mobilization For Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	184.61	
01 71 23 16-0025	EA	Mobilization For Drone Road Survey For Topography/Progression/Inspection	369.22	
01 71 23 16-0026	EA	Mobilization For Drone Survey Stockpile	184.61	
01 71 23 16-0027	EA	Mobilization For Drone Inspection	184.61	
01 71 23 16-0028	EA	Mobilization For Qualitative Drone Thermal Inspection	369.22	
01 71 23 16-0029	EA	Mobilization For Quantitative Drone Thermal Inspection	461.52	
01 71 23 16-0030	EA	Mobilization For Drone Agricultural Multispectral Survey	738.44	
01 71 23 16-0031	EA	Mobilization For Drone Building Inspection/Scan/Thermal	553.83	
01 71 23 16-0032	EA	Mobilization For Drone 3D Modelling	461.52	
01 71 23 16-0033	EA	Mobilization For Drone Spraying Crops Or Sanitation	830.74	
01 71 23 16-0034	EA	Mobilization For Drone Video Progression/Marketing	184.61	
01 71 23 16-0035	EA	Mobilization For Drone Pictures Progression/Marketing	184.61	
01 71 23 16-0036	EA	Mobilization For Drone Training, Flying, Test Prep, Equipment Checks	184.61	
01 71 23 16-0037	EA	Mobilization For Drone Accident Reconstruction	184.61	
01 71 23 16-0038	EA	Mobilization For Drone Landfill Survey	276.92	
01 71 23 16-0039	EA	Mobilization For Drone Event Security Using Tethered Drones	369.22	
01 71 23 16-0040	EA	Mobilization For Drone Emergency Response	923.05	
01 71 23 16-0041	EA	Mobilization For Drone Cell Tower Inspection	276.92	
01 71 23 16-0042		**Drone Surveying** *(01 71 23 16-0020)*		
01 71 23 16-0043	HR	Up To 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	673.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0044	HR	> 1000 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Fixed Wing	858.44	
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*221.53*	
01 71 23 16-0045	HR	Up To 400 Acres, Drone Survey/Topography 1/10 Or Better, Post Process Kinematic (PPK) Hexacopter	553.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0046	HR	Drone Road Survey For Topography/Progression/Inspection	646.14	
		Note: 3 hour minimum		
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0047	HR	Drone Survey Stockpile	461.52	
		Note: 3 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0048	HR	Drone Inspection	646.14	
		Note: 3 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0049	HR	Qualitative Drone Thermal Inspection	738.44	
		Note: 5 hour minimum		
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0050	HR	Quantitative Drone Thermal Inspection	1,107.66	
		Note: 5 hour minimum		
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0051	HR	Drone Agricultural Multispectral Survey	830.74	
		Note: 6 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0052	HR	Drone Building Inspection/Scan/Thermal	738.44	
		Note: 3 hour minimum		
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0053	HR	Drone 3D Modelling	553.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0054	HR	Drone Spraying Crops Or Sanitation	738.44	
		Note: 3 hour minimum		
		For Visual Observation, Add	*230.76*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0055	HR	Drone Video Progression/Marketing	369.22	
		Note: 2 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0056	HR	Drone Pictures Progression/Marketing	276.92	
		Note: 2 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0057	HR	Drone Training, Flying, Test Prep, Equipment Checks	553.83	
		Note: 3 hour minimum		
01 71 23 16-0058	HR	Drone Accident Reconstruction	830.74	
		Note: 2 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0059	HR	Drone Landfill Survey	673.83	
		Note: 3 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0060	HR	Drone Event Security Using Tethered Drones	461.52	
		Note: 3 hour minimum		
		For Visual Observation, Add	*184.61*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0061	HR	Drone Emergency Response	461.52	
		Note: 3 hour minimum		
		For Visual Observation, Add	*276.92*	
		For Additional Manpower, Add	*184.61*	
01 71 23 16-0062	HR	Drone Cell Tower Inspection	461.52	
		Note: 3 hour minimum		
		For Visual Observation, Add	*230.76*	
		For Additional Manpower, Add	*184.61*	

01 71 23 16-0063 Utilization And Deliverables For Drone Surveying *(01 71 23 16-0020)*

01 71 23 16-0064	Day	Utilization Of GPS Ground Control For Drone Surveying	461.52	
01 71 23 16-0065	Day	Utilization Of GPS Base Station Per Day For Drone Surveying	461.52	
01 71 23 16-0066	HR	Processing And Data Deliverables And Reporting For Drone Surveying	184.61	
		Note: 2 hour minimum		
01 71 23 16-0067	HR	Processing And Data Deliverables And Reporting Of Thermal For Drone Surveying	369.22	
		Note: 3 hour minimum		

01 71 23 16-0068 Travel, Waivers, And Editing For Drone Surveying *(01 71 23 16-0020)*

01 71 23 16-0069	MI	Travel Over 100 Miles For Drone Surveying	1.06	
		Note: For additional miles over 100		
01 71 23 16-0070	EA	Overnight Stay Per Person For Drone Surveying	230.76	
01 71 23 16-0071	EA	Waiver Utilization B, C, D, And E For Drone Surveying	92.30	
		Note: Restricted airspace		
01 71 23 16-0072	EA	Night Waiver For Drone Surveying	120.00	
01 71 23 16-0073	EA	Flying Over People Waiver For Drone Surveying	184.61	
01 71 23 16-0074	EA	Beyond Visual Line Of Sight (BVLOS) Waiver For Drone Surveying	923.05	
01 71 23 16-0075	HR	Editing Video For Drone Surveying	184.61	
		Note: 2 hour minimum		
01 71 23 16-0076	HR	Editing Pictures For Drone Surveying	92.30	
		Note: 2 hour minimum		
01 71 23 16-0077	HR	Custom Post Processing For Drone Surveying	276.92	
		Note: 3 hour minimum		

01 71 23 16-0078 GPR Bridge Deck And Pavement Inspection *(01 71 23 16)*

01 71 23 16-0079 GPR Bridge Deck And Pavement Inspection Mobilization Fee *(01 71 23 16-0078)*

Note: One mobilization per project.

01 71 23 16-0080	EA	GPR Bridge Deck And Pavement Inspection Mobilization Fee	4,239.34	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0081		**Bridge Deck Delamination Survey, GPR Bridge Deck Inspection** *(01 71 23 16-0078)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0082	EA	Survey Fee, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	3,090.15	
01 71 23 16-0083	SF	Up To 5,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.30	
01 71 23 16-0084	SF	>5,000 To 10,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	1.03	
01 71 23 16-0085	SF	>10,000 To 25,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.82	
01 71 23 16-0086	SF	>25,000 To 50,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.62	
01 71 23 16-0087	SF	>50,000 To 100,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.49	
01 71 23 16-0088	SF	>100,000 To 250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.39	
01 71 23 16-0089	SF	>250,000 SF, Bridge Deck Delamination Survey, GPR Bridge Deck Inspection	0.29	
01 71 23 16-0090		**Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection** *(01 71 23 16-0078)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0091	EA	Survey Fee, Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	1,030.05	
01 71 23 16-0092	SF	Depth Of Reinforcement/Overlay Thickness Survey, GPR Bridge Deck Inspection	0.06	
01 71 23 16-0093		**Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection** *(01 71 23 16-0078)* Note: Each project will use the Survey Fee task with a quantity of 1 and one other task for the area of the bridge deck surveyed.		
01 71 23 16-0094	EA	Survey Fee, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	1,030.05	
01 71 23 16-0095	SF	Up To 5,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.47	
01 71 23 16-0096	SF	>5,000 To 10,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.37	
01 71 23 16-0097	SF	>10,000 To 25,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.29	
01 71 23 16-0098	SF	>25,000 To 50,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.23	
01 71 23 16-0099	SF	>50,000 To 100,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.19	
01 71 23 16-0100	SF	>100,000 To 250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.14	
01 71 23 16-0101	SF	>250,000 SF, Freeze-Thaw Damage/Debonded Overlay Survey, GPR Bridge Deck Inspection	0.10	
01 71 23 16-0102		**Pavement Structure And Thickness Measurement, GPR Pavement Inspection** *(01 71 23 16-0078)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0103	LM	Up To 4 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	7,659.45	
01 71 23 16-0104	LM	>4 To 9 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	3,339.42	
01 71 23 16-0105	LM	>9 To 49 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	2,486.54	
01 71 23 16-0106	LM	>49 To 99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,357.61	
01 71 23 16-0107	LM	>99 Lane Miles (LM), Pavement Structure And Thickness Measurement, GPR Pavement Inspection	1,067.13	
01 71 23 16-0108		**Pavement Thickness Contour (Mapping), GPR Pavement Inspection** *(01 71 23 16-0078)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0109	LM	Up To 4 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	9,746.33	
01 71 23 16-0110	LM	>4 To 9 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	4,583.72	
01 71 23 16-0111	LM	>9 To 49 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	3,481.57	
01 71 23 16-0112	LM	>49 To 99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,950.91	
01 71 23 16-0113	LM	>99 Lane Miles (LM), Pavement Thickness Contour (Mapping), GPR Pavement Inspection	1,543.01	
01 71 23 16-0114		**Pavement Void Detection (Mapping), GPR Pavement Inspection** *(01 71 23 16-0078)* Note: Each project will use one task for the length of the pavement surveyed.		
01 71 23 16-0115	LM	Up To 4 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	11,573.64	
01 71 23 16-0116	LM	>4 To 9 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	5,671.46	
01 71 23 16-0117	LM	>9 To 49 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	4,350.93	
01 71 23 16-0118	LM	>49 To 99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	2,470.06	
01 71 23 16-0119	LM	>99 Lane Miles (LM), Pavement Void Detection (Mapping), GPR Pavement Inspection	1,957.10	
01 71 36		**Non-Destructive Concrete Examination** *(01 71)*		
01 71 36 00-0001		**Electromagnetic Survey** *(01 71 36)* Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002		**Electromagnetic (SIR/GPR) Survey** *(01 71 36 00-0001)*		
01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,191.54	
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,787.31	
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,574.62	
01 71 36 00-0006		**Reports And Mapping For Electromagnetic (SIR/GPR) Surveys** *(01 71 36 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	397.18	
		Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.		
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	794.36	
		Note: Includes GPS coordinates of located items and reference items.		
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,787.31	
		Note: Includes additions to the owner provided CAD drawing.		

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 General *(01 74 13)*

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	19.18	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster	28.10	
		Note: Per CY of debris removed.		
01 74 13 00-0004	CSF	Wet Mop, Disinfect And High Efficiency Particulate Air (HEPA) Vacuum Floors (Three Step Process)	24.09	
		Note: For use in contained areas for Class III or IV infection control.		

01 74 13 00-0005 Window Washing *(01 74 13)*

Note: Includes scaffolding, platform lift, swing scaffold, boatswains chair or other required equipment.

01 74 13 00-0006	SF	Wash Exterior Windows On First Floor Without Window Guards	1.06	
01 74 13 00-0007	SF	Wash Exterior Windows Above First Floor Without Window Guard	3.00	
01 74 13 00-0008	SF	Wash Interior Windows Without Window Guard	1.60	
01 74 13 00-0009	SF	Wash Exterior Windows On First Floor With Window Guards	2.00	
01 74 13 00-0010	SF	Wash Exterior Windows Above First Floor With Window Guard	3.94	
01 74 13 00-0011	SF	Wash Interior Windows With Window Guard	2.55	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance *(01 74 16)*

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	25.80	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	30.95	

01 74 16 00-0005 Runway Sweeping *(01 74 16 00-0001)*

01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	38.69	

01 74 19 Construction Waste Management and Disposal *(01 74)*

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	46.10	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	69.70	

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	18.24	
		For Steel Liner, Add		*3.56*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	20.92	
		For Steel Liner, Add		*4.09*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	23.57	
		For Steel Liner, Add		*4.61*

01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute	35.73	
		Note: Includes fabrication and installation.		

01 74 19 00-0011 Construction Dumpsters Rental *(01 74 19)*

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	498.48	
		For Each Ton Over Indicated Amount, Add	*99.00*	
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	575.64	
		For Each Ton Over Indicated Amount, Add	*99.00*	
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	652.55	
		For Each Ton Over Indicated Amount, Add	*99.00*	
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	766.02	
		For Each Ton Over Indicated Amount, Add	*99.00*	
01 74 19 00-0016	EA	40 CY Dumpster (5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	990.88	
		For Each Ton Over Indicated Amount, Add	*99.00*	
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	869.15	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	948.42	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	1,019.20	

01 74 19 00-0020 Concrete Washout Service *(01 74 19)*

01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	561.57	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	673.89	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	656.49	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,422.40	

01 74 19 00-0025 Debris Processing Fee *(01 74 19)*

01 74 19 00-0026 Material Recycling Fees *(01 74 19 00-0025)*

Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.

01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	17.38	
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	23.28	
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	34.92	
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	30.27	
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	33.76	
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	16.30	

01 74 19 00-0033 Landfill Dump Fees *(01 74 19 00-0025)*

Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.

01 74 19 00-0034	CY	Traditional Building Construction Materials Landfill Dump Fee	15.49	
01 74 19 00-0035	TON	Traditional Building Construction Materials, Landfill Dump Fee	67.52	
01 74 19 00-0036	CY	Trees, Stumps And Brush, Landfill Dump Fee	18.65	
01 74 19 00-0037	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	44.47	
01 74 19 00-0038	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	31.60	

01 74 19 00-0039 Hauling *(01 74 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.

01 74 19 00-0040	CYM	Hauling On Paved Roads, First 15 Miles	1.07	
01 74 19 00-0041	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.72	
01 74 19 00-0042	CYM	Hauling On Unimproved Roads, First 15 Miles	1.65	
01 74 19 00-0043	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.29	

01 74 23 Final Cleaning *(01 74)*

01 74 23 00-0001 Cleaning Of Glass *(01 74 23)*

01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	32.73	

01 90 Life Cycle Activities *(01)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 91 Commissioning *(01 90)*

01 91 13 General Commissioning Requirements *(01 91)*

01 91 13 00-0001 Commissioning Of Systems *(01 91 13)*

Note: For use with commissioning of mechanical and electrical systems.

01 91 13 00-0002	HR	Commissioning - Fire Protection Sprinkler Systems	208.84	
01 91 13 00-0003	HR	Commissioning - Plumbing Systems	257.10	
01 91 13 00-0004	HR	Commissioning - HVAC/Mechanical Systems	289.24	
01 91 13 00-0005	HR	Commissioning - Electrical/Communications/Fire Alarms/Security Systems	224.06	

END OF SECTION 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling *(02 25 16)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,323.77

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	39.87

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	101.79
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	174.08

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing	107.73
		Note: Includes sampling.	
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	10.16

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing	139.28
		Note: Includes sampling.	
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.68

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	76.85
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	89.66
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	119.54

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	213.10
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	383.58

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023	EA	Shelby Tube Sampling	57.38
02 32 13 00-0024	EA	Penetration Test	46.75

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026	VLF	Boreholes	10.88

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Machine Dug Test, Entry/Exit Pits *(02 32 19)*

02 32 19 00-0002	CY	Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Unpaved Areas	92.23
02 32 19 00-0003	CY	Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Paved Areas, Non-Arterial and Non-State Roads	176.78
02 32 19 00-0004	CY	Test, Entry/Exit Pit Excavation, Backfill And Compaction, By Machine, Paved Areas - Arterial and State Roads	230.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0005		**Hydro Excavation** *(02 32 19)* Note: Assumes on-site disposal. See CSI section 01 22 23 00-1731 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0039 for hauling excavated soil from site.		
02 32 19 00-0006	EA	Minimum Charge For Hydro Excavation Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,665.46	
02 32 19 00-0007	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water.	951.69	
02 32 19 00-0008	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water	1,189.62	
02 32 19 00-0009	EA	Move And Set-up At Different Access/Location, Hydro Excavation	118.96	
02 32 19 00-0010	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	99.22	
02 32 19 00-0011	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	158.70	

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0001		**By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** *(02 41 13 13)* Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.		
02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	8.17	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 2,500, Deduct	*-1.47*	
		For >2,500 To 5,000, Deduct	*-2.12*	
		For >5,000 To 10,000, Deduct	*-2.78*	
		For >10,000, Deduct	*-3.43*	
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	12.26	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,500, Deduct	*-2.21*	
		For >2,500 To 5,000, Deduct	*-3.19*	
		For >5,000 To 10,000, Deduct	*-4.17*	
		For >10,000, Deduct	*-5.15*	
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	16.35	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 2,500, Deduct	*-2.94*	
		For >2,500 To 5,000, Deduct	*-4.25*	
		For >5,000 To 10,000, Deduct	*-5.56*	
		For >10,000, Deduct	*-6.87*	
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	15.50	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 2,500, Deduct	*-2.79*	
		For >2,500 To 5,000, Deduct	*-4.03*	
		For >5,000 To 10,000, Deduct	*-5.27*	
		For >10,000, Deduct	*-6.51*	
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	21.89	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000 To 2,500, Deduct	*-3.94*	
		For >2,500 To 5,000, Deduct	*-5.69*	
		For >5,000 To 10,000, Deduct	*-7.44*	
		For >10,000, Deduct	*-9.19*	
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	31.00	
		For >500 To 1,000, Deduct	*-3.10*	
		For >1,000 To 2,500, Deduct	*-5.58*	
		For >2,500 To 5,000, Deduct	*-8.06*	
		For >5,000 To 10,000, Deduct	*-10.54*	
		For >10,000, Deduct	*-13.02*	
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	43.77	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000 To 2,500, Deduct	*-7.88*	
		For >2,500 To 5,000, Deduct	*-11.38*	
		For >5,000 To 10,000, Deduct	*-14.88*	
		For >10,000, Deduct	*-18.38*	
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	57.23	
		For >500 To 1,000, Deduct	*-5.72*	
		For >1,000 To 2,500, Deduct	*-10.30*	
		For >2,500 To 5,000, Deduct	*-14.88*	
		For >5,000 To 10,000, Deduct	*-19.46*	
		For >10,000, Deduct	*-24.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	74.40	
		For >500 To 1,000, Deduct	*-7.44*	
		For >1,000 To 2,500, Deduct	*-13.39*	
		For >2,500 To 5,000, Deduct	*-19.34*	
		For >5,000 To 10,000, Deduct	*-25.30*	
		For >10,000, Deduct	*-31.25*	

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0038 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.99	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.52	
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.34	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.49	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.16	
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	4.17	

02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	17.30	
		For Elevated Slab, Add	*8.65*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000 To 2,500, Deduct	*-3.11*	
		For >2,500 To 5,000, Deduct	*-4.50*	
		For >5,000 To 10,000, Deduct	*-5.88*	
		For >10,000, Deduct	*-7.27*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	23.63	
		For Elevated Slab, Add	*11.82*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000 To 2,500, Deduct	*-4.25*	
		For >2,500 To 5,000, Deduct	*-6.14*	
		For >5,000 To 10,000, Deduct	*-8.03*	
		For >10,000, Deduct	*-9.92*	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	32.78	
		For Elevated Slab, Add	*16.39*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000 To 2,500, Deduct	*-5.90*	
		For >2,500 To 5,000, Deduct	*-8.52*	
		For >5,000 To 10,000, Deduct	*-11.15*	
		For >10,000, Deduct	*-13.77*	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	42.77	
		For Elevated Slab, Add	*21.39*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000 To 2,500, Deduct	*-7.70*	
		For >2,500 To 5,000, Deduct	*-11.12*	
		For >5,000 To 10,000, Deduct	*-14.54*	
		For >10,000, Deduct	*-17.96*	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	59.53	
		For Elevated Slab, Add	*29.77*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000 To 2,500, Deduct	*-10.72*	
		For >2,500 To 5,000, Deduct	*-15.48*	
		For >5,000 To 10,000, Deduct	*-20.24*	
		For >10,000, Deduct	*-25.00*	
02 41 13 13-0024	SY	>15" To 18" By Machine, Break-up And Remove Bituminous Paving	81.85	
		For Elevated Slab, Add	*40.93*	
		For >500 To 1,000, Deduct	*-8.19*	
		For >1,000 To 2,500, Deduct	*-14.73*	
		For >2,500 To 5,000, Deduct	*-21.28*	
		For >5,000 To 10,000, Deduct	*-27.83*	
		For >10,000, Deduct	*-34.38*	
02 41 13 13-0025	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	19.90	
		For Elevated Slab, Add	*9.95*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000 To 2,500, Deduct	*-3.58*	
		For >2,500 To 5,000, Deduct	*-5.17*	
		For >5,000 To 10,000, Deduct	*-6.77*	
		For >10,000, Deduct	*-8.36*	
02 41 13 13-0026	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	26.04	
		For Elevated Slab, Add	*13.02*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000 To 2,500, Deduct	*-4.69*	
		For >2,500 To 5,000, Deduct	*-6.77*	
		For >5,000 To 10,000, Deduct	*-8.85*	
		For >10,000, Deduct	*-10.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	46.50	
		For Elevated Slab, Add	*23.25*	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000 To 2,500, Deduct	*-8.37*	
		For >2,500 To 5,000, Deduct	*-12.09*	
		For >5,000 To 10,000, Deduct	*-15.81*	
		For >10,000, Deduct	*-19.53*	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*13.95*	
02 41 13 13-0028	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	60.75	
		For Elevated Slab, Add	*30.38*	
		For >500 To 1,000, Deduct	*-6.08*	
		For >1,000 To 2,500, Deduct	*-10.94*	
		For >2,500 To 5,000, Deduct	*-15.80*	
		For >5,000 To 10,000, Deduct	*-20.66*	
		For >10,000, Deduct	*-25.52*	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*18.23*	
02 41 13 13-0029	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	26.42	
		For Elevated Slab, Add	*13.21*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000 To 2,500, Deduct	*-4.76*	
		For >2,500 To 5,000, Deduct	*-6.87*	
		For >5,000 To 10,000, Deduct	*-8.98*	
		For >10,000, Deduct	*-11.10*	
02 41 13 13-0030	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	34.23	
		For Elevated Slab, Add	*17.12*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000 To 2,500, Deduct	*-6.16*	
		For >2,500 To 5,000, Deduct	*-8.90*	
		For >5,000 To 10,000, Deduct	*-11.64*	
		For >10,000, Deduct	*-14.38*	
02 41 13 13-0031	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	56.74	
		For Elevated Slab, Add	*28.37*	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000 To 2,500, Deduct	*-10.21*	
		For >2,500 To 5,000, Deduct	*-14.75*	
		For >5,000 To 10,000, Deduct	*-19.29*	
		For >10,000, Deduct	*-23.83*	
02 41 13 13-0032	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	28.64	
		For Elevated Slab, Add	*14.32*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000 To 2,500, Deduct	*-5.16*	
		For >2,500 To 5,000, Deduct	*-7.45*	
		For >5,000 To 10,000, Deduct	*-9.74*	
		For >10,000, Deduct	*-12.03*	
02 41 13 13-0033	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	36.83	
		For Elevated Slab, Add	*18.42*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000 To 2,500, Deduct	*-6.63*	
		For >2,500 To 5,000, Deduct	*-9.58*	
		For >5,000 To 10,000, Deduct	*-12.52*	
		For >10,000, Deduct	*-15.47*	
02 41 13 13-0034	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	65.85	
		For Elevated Slab, Add	*32.93*	
		For >500 To 1,000, Deduct	*-6.59*	
		For >1,000 To 2,500, Deduct	*-11.85*	
		For >2,500 To 5,000, Deduct	*-17.12*	
		For >5,000 To 10,000, Deduct	*-22.39*	
		For >10,000, Deduct	*-27.66*	
02 41 13 13-0035	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	85.94	
		For Elevated Slab, Add	*42.97*	
		For >500 To 1,000, Deduct	*-8.59*	
		For >1,000 To 2,500, Deduct	*-15.47*	
		For >2,500 To 5,000, Deduct	*-22.34*	
		For >5,000 To 10,000, Deduct	*-29.22*	
		For >10,000, Deduct	*-36.09*	
02 41 13 13-0036	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	112.36	
		For Elevated Slab, Add	*56.18*	
		For >500 To 1,000, Deduct	*-11.24*	
		For >1,000 To 2,500, Deduct	*-20.22*	
		For >2,500 To 5,000, Deduct	*-29.21*	
		For >5,000 To 10,000, Deduct	*-38.20*	
		For >10,000, Deduct	*-47.19*	
02 41 13 13-0037	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	136.35	
		For Elevated Slab, Add	*68.18*	
		For >500 To 1,000, Deduct	*-13.64*	
		For >1,000 To 2,500, Deduct	*-24.54*	
		For >2,500 To 5,000, Deduct	*-35.45*	
		For >5,000 To 10,000, Deduct	*-46.36*	
		For >10,000, Deduct	*-57.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0038		By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*		
		Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 13 13-0039	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving		4.44
02 41 13 13-0040	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving		5.84
02 41 13 13-0041	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving		7.59
02 41 13 13-0042	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving		5.55
02 41 13 13-0043	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving		7.66
02 41 13 13-0044	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving		9.81
02 41 13 13-0045	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		7.77
02 41 13 13-0046	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		10.72
02 41 13 13-0047	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		13.74
02 41 13 13-0048		Grind Concrete *(02 41 13 13)*		
02 41 13 13-0049	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard)		279.09
		Note: For each location up to 5' wide, feather up to 12" each direction.		
		For >1/2" To 1" Depth Of Grinding, Add		*41.86*
		For >1" To 1-1/2" Depth Of Grinding, Add		*69.77*
		For Up To 5, Add		*55.82*
		For >5 To 10, Add		*27.91*
		For >25 To 50, Deduct		*-27.91*
		For >50 To 250, Deduct		*-41.86*
		For >250, Deduct		*-55.82*
		For Sidewalks >5', Add		*27.91*
		For Up To 12" Additional Feathering Per Side, Add		*27.91*
02 41 13 15		**Hydro Demolition** *(02 41 13)*		
02 41 13 15-0001		Hydro Demolition Of Concrete Pavement *(02 41 13 15)*		
		Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		8.48
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		10.60
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		14.17
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet		28.21
02 41 16		**Structure Demolition** *(02 41)*		
02 41 16 13		**Building Demolition** *(02 41 16)*		
02 41 16 13-0001		Building Interior Demolition *(02 41 16 13)*		
		Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.		
02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		8.86
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		13.39
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		10.95
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck		9.73
02 41 16 13-0006		Commercial And Residential Structures Demolition *(02 41 16 13)*		
		Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
02 41 16 13-0007		Steel Framed Building Demolition *(02 41 16 13-0006)*		
		Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		82.37
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct		*-6.18*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct		*-12.36*
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct		*-18.53*
		For Up To 500, Add		*24.71*
		For >500 To 1,000, Add		*16.47*
		For >1,000 To 2,000, Add		*8.24*
		For Volume Of Area Within 15' To An Adjacent Building, Add		*27.18*
		For No Interior Partitions, Deduct		*-20.59*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition	52.04	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.90*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-7.81*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-11.71*	
		For Up To 500, Add	*15.61*	
		For >500 To 1,000, Add	*10.41*	
		For >1,000 To 2,000, Add	*5.20*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*7.81*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*13.01*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*18.21*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*17.17*	
		For No Interior Partitions, Deduct	*-13.01*	

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	103.36	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-7.75*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-15.50*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-23.26*	
		For Up To 500, Add	*31.01*	
		For >500 To 1,000, Add	*20.67*	
		For >1,000 To 2,000, Add	*10.34*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*34.11*	
		For No Interior Partitions, Deduct	*-25.84*	
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition	68.71	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-5.15*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-10.31*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-15.46*	
		For Up To 500, Add	*20.61*	
		For >500 To 1,000, Add	*13.74*	
		For >1,000 To 2,000, Add	*6.87*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*10.31*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*17.18*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*24.05*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*22.67*	
		For No Interior Partitions, Deduct	*-17.18*	

02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	88.00	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-6.60*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-13.20*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-19.80*	
		For Up To 500, Add	*26.40*	
		For >500 To 1,000, Add	*17.60*	
		For >1,000 To 2,000, Add	*8.80*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*29.04*	
		For No Interior Partitions, Deduct	*-22.00*	
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition	57.70	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.33*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-8.66*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-12.98*	
		For Up To 500, Add	*17.31*	
		For >500 To 1,000, Add	*11.54*	
		For >1,000 To 2,000, Add	*5.77*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*8.66*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*14.43*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*20.20*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*19.04*	
		For No Interior Partitions, Deduct	*-14.43*	

02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition	72.63	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-5.45*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-10.89*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-16.34*	
		For Up To 500, Add	*21.79*	
		For >500 To 1,000, Add	*14.53*	
		For >1,000 To 2,000, Add	*7.26*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*23.97*	
		For No Interior Partitions, Deduct	*-18.16*	
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition	46.69	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.50*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-7.00*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-10.51*	
		For Up To 500, Add	*14.01*	
		For >500 To 1,000, Add	*9.34*	
		For >1,000 To 2,000, Add	*4.67*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*7.00*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*11.67*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*16.34*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*15.41*	
		For No Interior Partitions, Deduct	*-11.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0019		Wood Frame Construction Building Demolition *(02 41 16 13-0006)*		
02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	63.12	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.73*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-9.47*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-14.20*	
		For Up To 500, Add	*18.94*	
		For >500 To 1,000, Add	*12.62*	
		For >1,000 To 2,000, Add	*6.31*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*20.83*	
		For No Interior Partitions, Deduct	*-15.78*	
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	39.95	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.00*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-5.99*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-8.99*	
		For Up To 500, Add	*11.99*	
		For >500 To 1,000, Add	*7.99*	
		For >1,000 To 2,000, Add	*4.00*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*5.99*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*13.18*	
		For No Interior Partitions, Deduct	*-9.99*	
02 41 16 13-0022		Sorting Of Material Debris For Recycling Prior To Hauling Off *(02 41 16 13-0006)*		
		Note: Per building volume.		
02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	10.53	
		For Up To 500, Add	*3.16*	
		For >500 To 1,000, Add	*2.11*	
		For >1,000 To 2,000, Add	*1.05*	
02 41 16 13-0024		Foundation Demolition *(02 41 16 13)*		
		Note: Excludes earthwork.		
02 41 16 13-0025		Concrete Foundation Demolition *(02 41 16 13-0024)*		
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	16.62	
		For >135 To 405, Deduct	*-1.45*	
		For >405 To 810, Deduct	*-2.91*	
		For >810 To 2025, Deduct	*-4.16*	
		For >2025, Deduct	*-6.65*	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	19.94	
		For >135 To 405, Deduct	*-1.74*	
		For >405 To 810, Deduct	*-3.49*	
		For >810 To 2025, Deduct	*-4.99*	
		For >2025, Deduct	*-7.98*	
02 41 16 13-0028		Concrete Foundation Wall Demolition *(02 41 16 13-0024)*		
02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	7.13	
		For >500 To 2,000, Deduct	*-0.53*	
		For >2,000 To 6,000, Deduct	*-1.43*	
		For >6,000 To 8,000, Deduct	*-2.50*	
		For >8,000, Deduct	*-3.92*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.49	
		For >500 To 2,000, Deduct	*-0.71*	
		For >2,000 To 6,000, Deduct	*-1.90*	
		For >6,000 To 8,000, Deduct	*-3.32*	
		For >8,000, Deduct	*-5.22*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.87	
		For >500 To 2,000, Deduct	*-0.89*	
		For >2,000 To 6,000, Deduct	*-2.37*	
		For >6,000 To 8,000, Deduct	*-4.15*	
		For >8,000, Deduct	*-6.53*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	14.24	
		For >500 To 2,000, Deduct	*-1.07*	
		For >2,000 To 6,000, Deduct	*-2.85*	
		For >6,000 To 8,000, Deduct	*-4.98*	
		For >8,000, Deduct	*-7.83*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	16.62	
		For >500 To 2,000, Deduct	*-1.25*	
		For >2,000 To 6,000, Deduct	*-3.32*	
		For >6,000 To 8,000, Deduct	*-5.82*	
		For >8,000, Deduct	*-9.14*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	19.00	
		For >500 To 2,000, Deduct	*-1.43*	
		For >2,000 To 6,000, Deduct	*-3.80*	
		For >6,000 To 8,000, Deduct	*-6.65*	
		For >8,000, Deduct	*-10.45*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	8.54	
		For >500 To 2,000, Deduct	*-0.64*	
		For >2,000 To 6,000, Deduct	*-1.71*	
		For >6,000 To 8,000, Deduct	*-2.99*	
		For >8,000, Deduct	*-4.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition		11.40
		For >500 To 2,000, Deduct		*-0.86*
		For >2,000 To 6,000, Deduct		*-2.28*
		For >6,000 To 8,000, Deduct		*-3.99*
		For >8,000, Deduct		*-6.27*
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition		14.24
		For >500 To 2,000, Deduct		*-1.07*
		For >2,000 To 6,000, Deduct		*-2.85*
		For >6,000 To 8,000, Deduct		*-4.98*
		For >8,000, Deduct		*-7.83*
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition		16.85
		For >500 To 2,000, Deduct		*-1.26*
		For >2,000 To 6,000, Deduct		*-3.37*
		For >6,000 To 8,000, Deduct		*-5.90*
		For >8,000, Deduct		*-9.27*
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition		19.94
		For >500 To 2,000, Deduct		*-1.50*
		For >2,000 To 6,000, Deduct		*-3.99*
		For >6,000 To 8,000, Deduct		*-6.98*
		For >8,000, Deduct		*-10.97*
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition		22.79
		For >500 To 2,000, Deduct		*-1.71*
		For >2,000 To 6,000, Deduct		*-4.56*
		For >6,000 To 8,000, Deduct		*-7.98*
		For >8,000, Deduct		*-12.53*

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.22
		For >500 To 2,000, Deduct		*-0.39*
		For >2,000 To 6,000, Deduct		*-1.04*
		For >6,000 To 8,000, Deduct		*-1.83*
		For >8,000, Deduct		*-2.87*
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.58
		For >500 To 2,000, Deduct		*-0.42*
		For >2,000 To 6,000, Deduct		*-1.12*
		For >6,000 To 8,000, Deduct		*-1.95*
		For >8,000, Deduct		*-3.07*
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		6.29
		For >500 To 2,000, Deduct		*-0.47*
		For >2,000 To 6,000, Deduct		*-1.26*
		For >6,000 To 8,000, Deduct		*-2.20*
		For >8,000, Deduct		*-3.46*
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		7.24
		For >500 To 2,000, Deduct		*-0.54*
		For >2,000 To 6,000, Deduct		*-1.45*
		For >6,000 To 8,000, Deduct		*-2.53*
		For >8,000, Deduct		*-3.98*
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		8.08
		For >500 To 2,000, Deduct		*-0.61*
		For >2,000 To 6,000, Deduct		*-1.62*
		For >6,000 To 8,000, Deduct		*-2.83*
		For >8,000, Deduct		*-4.44*
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		10.09
		For >500 To 2,000, Deduct		*-0.76*
		For >2,000 To 6,000, Deduct		*-2.02*
		For >6,000 To 8,000, Deduct		*-3.53*
		For >8,000, Deduct		*-5.55*
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition		6.27
		For >500 To 2,000, Deduct		*-0.47*
		For >2,000 To 6,000, Deduct		*-1.25*
		For >6,000 To 8,000, Deduct		*-2.19*
		For >8,000, Deduct		*-3.45*
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition		6.69
		For >500 To 2,000, Deduct		*-0.50*
		For >2,000 To 6,000, Deduct		*-1.34*
		For >6,000 To 8,000, Deduct		*-2.34*
		For >8,000, Deduct		*-3.68*
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition		7.55
		For >500 To 2,000, Deduct		*-0.57*
		For >2,000 To 6,000, Deduct		*-1.51*
		For >6,000 To 8,000, Deduct		*-2.64*
		For >8,000, Deduct		*-4.15*
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition		8.69
		For >500 To 2,000, Deduct		*-0.65*
		For >2,000 To 6,000, Deduct		*-1.74*
		For >6,000 To 8,000, Deduct		*-3.04*
		For >8,000, Deduct		*-4.78*
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition		9.68
		For >500 To 2,000, Deduct		*-0.73*
		For >2,000 To 6,000, Deduct		*-1.94*
		For >6,000 To 8,000, Deduct		*-3.39*
		For >8,000, Deduct		*-5.32*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	12.11	
		For >500 To 2,000, Deduct	*-0.91*	
		For >2,000 To 6,000, Deduct	*-2.42*	
		For >6,000 To 8,000, Deduct	*-4.24*	
		For >8,000, Deduct	*-6.66*	

02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition	5.22	
		For >500 To 2,000, Deduct	*-0.39*	
		For >2,000 To 6,000, Deduct	*-1.04*	
		For >6,000 To 8,000, Deduct	*-1.83*	
		For >8,000, Deduct	*-2.87*	
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition	5.58	
		For >500 To 2,000, Deduct	*-0.42*	
		For >2,000 To 6,000, Deduct	*-1.12*	
		For >6,000 To 8,000, Deduct	*-1.95*	
		For >8,000, Deduct	*-3.07*	
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition	6.29	
		For >500 To 2,000, Deduct	*-0.47*	
		For >2,000 To 6,000, Deduct	*-1.26*	
		For >6,000 To 8,000, Deduct	*-2.20*	
		For >8,000, Deduct	*-3.46*	
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition	7.24	
		For >500 To 2,000, Deduct	*-0.54*	
		For >2,000 To 6,000, Deduct	*-1.45*	
		For >6,000 To 8,000, Deduct	*-2.53*	
		For >8,000, Deduct	*-3.98*	
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition	8.08	
		For >500 To 2,000, Deduct	*-0.61*	
		For >2,000 To 6,000, Deduct	*-1.62*	
		For >6,000 To 8,000, Deduct	*-2.83*	
		For >8,000, Deduct	*-4.44*	
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition	10.09	
		For >500 To 2,000, Deduct	*-0.76*	
		For >2,000 To 6,000, Deduct	*-2.02*	
		For >6,000 To 8,000, Deduct	*-3.53*	
		For >8,000, Deduct	*-5.55*	

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition	16.62	
		For >135 To 405, Deduct	*-1.45*	
		For >405 To 810, Deduct	*-2.91*	
		For >810 To 2025, Deduct	*-4.16*	
		For >2025, Deduct	*-6.65*	

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc. Note: Includes excavation.	17.48	
		For >135 To 405, Deduct	*-1.53*	
		For >405 To 810, Deduct	*-3.06*	
		For >810 To 2025, Deduct	*-4.37*	
		For >2025, Deduct	*-6.99*	

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Exterior Masonry Removal *(02 41 19 13)*

02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*

02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal	16.09	
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	25.13	
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	32.19	
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	40.29	
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	49.51	
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	27.80	

02 41 19 13-0009 Masonry Chimney Removal *(02 41 19 13-0001)*

02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	32.61	
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	24.49	
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.74	
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.98	

02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	22.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	33.58	
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	63.84	

02 41 19 13-0018 Facade Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	6.12	
		For Cleaning and Storage For Reuse, Add		*9.18*

02 41 19 13-0020 Exterior Masonry Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.39	
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	6.08	
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.35	
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	8.03	
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.81	
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	11.02	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.36	
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.28	
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.81	
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.64	
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.57	
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	13.24	
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	5.39	
		For Cleaning and Storage For Reuse, Add		*8.09*
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	6.08	
		For Cleaning and Storage For Reuse, Add		*9.12*
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	7.35	
		For Cleaning and Storage For Reuse, Add		*11.03*
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	8.03	
		For Cleaning and Storage For Reuse, Add		*12.05*
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	8.81	
		For Cleaning and Storage For Reuse, Add		*13.22*
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	11.02	
		For Cleaning and Storage For Reuse, Add		*16.53*
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	15.67	
		For Cleaning and Storage For Reuse, Add		*23.51*

02 41 19 13-0040 Lintel Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0041	LF	Demolish Steel Lintel	14.58	
02 41 19 13-0042	LF	Demolish Concrete Or Stone Lintel	19.44	
02 41 19 13-0043	LF	Demolish Steel Shelf Angle	15.39	

02 41 19 13-0044 Reinstall Lintel *(02 41 19 13-0001)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0045	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	8.39	
02 41 19 13-0046	LF	Reinstall Existing Concrete Or Stone Lintel	19.44	
02 41 19 13-0047	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	53.90	
02 41 19 13-0048	LF	Reinstall Existing Steel Lintel	21.60	
02 41 19 13-0049	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	89.56	
02 41 19 13-0050	LF	Removal And Replacement Of Steel Lintel Over Window Openings	167.08	

02 41 19 13-0051 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0052	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.40	
02 41 19 13-0053	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	13.42	
02 41 19 13-0054	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	16.85	
02 41 19 13-0055	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	19.89	
02 41 19 13-0056	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	23.50	

02 41 19 13-0057 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0058	EA	Minimum Charge For Saw Cut Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,203.89	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059	LF	Bituminous Paving Up To 4" Depth, Saw Cut	2.68	
		For Each Additional Pass (Depth To 3"), Add	*1.03*	
		For >250, Deduct	*-0.25*	
02 41 19 13-0060	LF	Brick Masonry Up To 4" Depth, Saw Cut	9.87	
		For Each Additional Pass (Depth To 3"), Add	*3.89*	
		For >250, Deduct	*-0.97*	
02 41 19 13-0061	LF	Concrete Block Up To 4" Depth, Saw Cut	8.93	
		For Each Additional Pass (Depth To 3"), Add	*3.51*	
		For >250, Deduct	*-0.87*	
02 41 19 13-0062	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	3.10	
		For Each Additional Pass (Depth To 3"), Add	*1.18*	
		For >250, Deduct	*-0.29*	
02 41 19 13-0063	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	4.07	
		For Each Additional Pass (Depth To 3"), Add	*1.55*	
		For >250, Deduct	*-0.38*	
02 41 19 13-0064	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.65	
		For Each Additional Pass (Depth To 3"), Add	*2.58*	
		For >250, Deduct	*-0.64*	
02 41 19 13-0065	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.61	
		For Each Additional Pass (Depth To 3"), Add	*4.98*	
		For >250, Deduct	*-1.24*	
02 41 19 13-0066	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.93	
		For Each Additional Pass (Depth To 3"), Add	*6.69*	
		For >250, Deduct	*-1.67*	
02 41 19 13-0067	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.38	
		For Each Additional Pass (Depth To 3"), Add	*1.22*	
		For >250, Deduct	*-0.30*	
02 41 19 13-0068	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.97	
		For Each Additional Pass (Depth To 3"), Add	*3.52*	
		For >250, Deduct	*-0.88*	
02 41 19 13-0069	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.97	
		For Each Additional Pass (Depth To 3"), Add	*3.52*	
		For >250, Deduct	*-0.88*	
02 41 19 13-0070	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.97	
		For Each Additional Pass (Depth To 3"), Add	*3.52*	
		For >250, Deduct	*-0.88*	
02 41 19 13-0071	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.97	
		For Each Additional Pass (Depth To 3"), Add	*3.52*	
		For >250, Deduct	*-0.88*	

02 41 19 13-0072 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0073	LF	Up To 1/2", Torch Cut Steel Plate	3.32
02 41 19 13-0074	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.65
02 41 19 13-0075	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.96
02 41 19 13-0076	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	13.29
02 41 19 13-0077	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	16.61
02 41 19 13-0078	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	19.93
02 41 19 13-0079	EA	Minimum Charge For Torch Cutting	1,085.20

Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0080 Drilling In Existing Materials *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and cleanup.

02 41 19 13-0081 Concrete Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0082 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0083	EA	Drill 1" Diameter Core In Up To 4" Concrete	47.69
		For Horizontal Cores, Add	*9.43*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.87*
02 41 19 13-0084	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	52.91
		For Horizontal Cores, Add	*10.48*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.96*
02 41 19 13-0085	EA	Drill 2" Diameter Core In Up To 4" Concrete	58.75
		For Horizontal Cores, Add	*11.65*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.29*
02 41 19 13-0086	EA	Drill 3" Diameter Core In Up To 4" Concrete	83.88
		For Horizontal Cores, Add	*16.64*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.27*
02 41 19 13-0087	EA	Drill 4" Diameter Core In Up To 4" Concrete	112.40
		For Horizontal Cores, Add	*22.29*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.58*
02 41 19 13-0088	EA	Drill 6" Diameter Core In Up To 4" Concrete	125.95
		For Horizontal Cores, Add	*24.95*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.91*
02 41 19 13-0089	EA	Drill 8" Diameter Core In Up To 4" Concrete	201.27
		For Horizontal Cores, Add	*39.93*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*79.86*
02 41 19 13-0090	EA	Drill 10" Diameter Core In Up To 4" Concrete	251.75
		For Horizontal Cores, Add	*49.91*
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*99.82*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0091	EA	Drill 12" Diameter Core In Up To 4" Concrete	293.79	
		For Horizontal Cores, Add	*58.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.46*	
02 41 19 13-0092	EA	Drill 14" Diameter Core In Up To 4" Concrete	335.86	
		For Horizontal Cores, Add	*66.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.08*	
02 41 19 13-0093	EA	Drill 18" Diameter Core In Up To 4" Concrete	378.32	
		For Horizontal Cores, Add	*74.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.70*	

02 41 19 13-0094 >4" To 6" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0095	EA	Drill 1" Diameter Core In >4" To 6" Concrete	68.16	
		For Horizontal Cores, Add	*13.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.94*	
02 41 19 13-0096	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	75.65	
		For Horizontal Cores, Add	*14.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.94*	
02 41 19 13-0097	EA	Drill 2" Diameter Core In >4" To 6" Concrete	83.96	
		For Horizontal Cores, Add	*16.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.26*	
02 41 19 13-0098	EA	Drill 3" Diameter Core In >4" To 6" Concrete	100.91	
		For Horizontal Cores, Add	*19.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.93*	
02 41 19 13-0099	EA	Drill 4" Diameter Core In >4" To 6" Concrete	126.21	
		For Horizontal Cores, Add	*24.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.91*	
02 41 19 13-0100	EA	Drill 6" Diameter Core In >4" To 6" Concrete	168.16	
		For Horizontal Cores, Add	*33.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.54*	
02 41 19 13-0101	EA	Drill 8" Diameter Core In >4" To 6" Concrete	252.00	
		For Horizontal Cores, Add	*49.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*99.82*	
02 41 19 13-0102	EA	Drill 10" Diameter Core In >4" To 6" Concrete	294.45	
		For Horizontal Cores, Add	*58.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*116.46*	
02 41 19 13-0103	EA	Drill 12" Diameter Core In >4" To 6" Concrete	336.67	
		For Horizontal Cores, Add	*66.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.08*	
02 41 19 13-0104	EA	Drill 14" Diameter Core In >4" To 6" Concrete	379.08	
		For Horizontal Cores, Add	*74.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.70*	
02 41 19 13-0105	EA	Drill 18" Diameter Core In >4" To 6" Concrete	422.13	
		For Horizontal Cores, Add	*83.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*166.35*	

02 41 19 13-0106 >6" To 8" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0107	EA	Drill 1" Diameter Core In >6" To 8" Concrete	75.19	
		For Horizontal Cores, Add	*14.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.64*	
02 41 19 13-0108	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	83.43	
		For Horizontal Cores, Add	*16.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.94*	
02 41 19 13-0109	EA	Drill 2" Diameter Core In >6" To 8" Concrete	92.58	
		For Horizontal Cores, Add	*18.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.60*	
02 41 19 13-0110	EA	Drill 3" Diameter Core In >6" To 8" Concrete	109.63	
		For Horizontal Cores, Add	*21.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.26*	
02 41 19 13-0111	EA	Drill 4" Diameter Core In >6" To 8" Concrete	143.35	
		For Horizontal Cores, Add	*28.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.56*	
02 41 19 13-0112	EA	Drill 6" Diameter Core In >6" To 8" Concrete	202.06	
		For Horizontal Cores, Add	*39.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*79.86*	
02 41 19 13-0113	EA	Drill 8" Diameter Core In >6" To 8" Concrete	335.99	
		For Horizontal Cores, Add	*66.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.08*	
02 41 19 13-0114	EA	Drill 10" Diameter Core In >6" To 8" Concrete	378.67	
		For Horizontal Cores, Add	*74.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.70*	
02 41 19 13-0115	EA	Drill 12" Diameter Core In >6" To 8" Concrete	421.16	
		For Horizontal Cores, Add	*83.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*166.35*	
02 41 19 13-0116	EA	Drill 14" Diameter Core In >6" To 8" Concrete	463.89	
		For Horizontal Cores, Add	*91.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*182.96*	
02 41 19 13-0117	EA	Drill 18" Diameter Core In >6" To 8" Concrete	507.52	
		For Horizontal Cores, Add	*99.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*199.63*	

02 41 19 13-0118 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0081)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0119	EA	Drill 1" Diameter Core In >8" To 10" Concrete	88.96	
		For Horizontal Cores, Add	*17.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.04*	
02 41 19 13-0120	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	98.68	
		For Horizontal Cores, Add	*19.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.92*	
02 41 19 13-0121	EA	Drill 2" Diameter Core In >8" To 10" Concrete	109.50	
		For Horizontal Cores, Add	*21.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.25*	
02 41 19 13-0122	EA	Drill 3" Diameter Core In >8" To 10" Concrete	126.65	
		For Horizontal Cores, Add	*24.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.91*	
02 41 19 13-0123	EA	Drill 4" Diameter Core In >8" To 10" Concrete	143.85	
		For Horizontal Cores, Add	*28.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*56.56*	
02 41 19 13-0124	EA	Drill 6" Diameter Core In >8" To 10" Concrete	202.67	
		For Horizontal Cores, Add	*39.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*79.86*	
02 41 19 13-0125	EA	Drill 8" Diameter Core In >8" To 10" Concrete	336.82	
		For Horizontal Cores, Add	*66.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.08*	
02 41 19 13-0126	EA	Drill 10" Diameter Core In >8" To 10" Concrete	379.76	
		For Horizontal Cores, Add	*74.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.70*	
02 41 19 13-0127	EA	Drill 12" Diameter Core In >8" To 10" Concrete	422.41	
		For Horizontal Cores, Add	*83.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*166.32*	
02 41 19 13-0128	EA	Drill 14" Diameter Core In >8" To 10" Concrete	465.55	
		For Horizontal Cores, Add	*91.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*182.96*	
02 41 19 13-0129	EA	Drill 18" Diameter Core In >8" To 10" Concrete	509.60	
		For Horizontal Cores, Add	*99.79*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*199.59*	

02 41 19 13-0130 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0131	EA	Drill 1" Diameter Core In >10" To 12" Concrete	95.98	
		For Horizontal Cores, Add	*18.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.73*	
02 41 19 13-0132	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	106.46	
		For Horizontal Cores, Add	*20.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.92*	
02 41 19 13-0133	EA	Drill 2" Diameter Core In >10" To 12" Concrete	118.10	
		For Horizontal Cores, Add	*23.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*46.58*	
02 41 19 13-0134	EA	Drill 3" Diameter Core In >10" To 12" Concrete	127.05	
		For Horizontal Cores, Add	*24.95*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*49.91*	
02 41 19 13-0135	EA	Drill 4" Diameter Core In >10" To 12" Concrete	169.32	
		For Horizontal Cores, Add	*33.27*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.54*	
02 41 19 13-0136	EA	Drill 6" Diameter Core In >10" To 12" Concrete	219.92	
		For Horizontal Cores, Add	*43.26*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*86.51*	
02 41 19 13-0137	EA	Drill 8" Diameter Core In >10" To 12" Concrete	354.29	
		For Horizontal Cores, Add	*69.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*139.74*	
02 41 19 13-0138	EA	Drill 10" Diameter Core In >10" To 12" Concrete	380.86	
		For Horizontal Cores, Add	*74.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*149.70*	
02 41 19 13-0139	EA	Drill 12" Diameter Core In >10" To 12" Concrete	440.47	
		For Horizontal Cores, Add	*86.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*173.02*	

02 41 19 13-0140 >12" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0141	IN	Drill 1" Diameter Core In >12" Concrete	11.67	
		For Horizontal Cores, Add	*2.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.61*	
02 41 19 13-0142	IN	Drill 1-1/2" Diameter Core In >12" Concrete	12.96	
		For Horizontal Cores, Add	*2.56*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.13*	
02 41 19 13-0143	IN	Drill 2" Diameter Core In >12" Concrete	14.38	
		For Horizontal Cores, Add	*2.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.70*	
02 41 19 13-0144	IN	Drill 3" Diameter Core In >12" Concrete	15.78	
		For Horizontal Cores, Add	*3.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.24*	
02 41 19 13-0145	IN	Drill 4" Diameter Core In >12" Concrete	21.03	
		For Horizontal Cores, Add	*4.16*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.31*	
02 41 19 13-0146	IN	Drill 6" Diameter Core In >12" Concrete	27.36	
		For Horizontal Cores, Add	*5.41*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0147	IN	Drill 8" Diameter Core In >12" Concrete	44.11	
		For Horizontal Cores, Add	*8.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.48*	
02 41 19 13-0148	IN	Drill 10" Diameter Core In >12" Concrete	47.53	
		For Horizontal Cores, Add	*9.40*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.79*	
02 41 19 13-0149	IN	Drill 12" Diameter Core In >12" Concrete	54.76	
		For Horizontal Cores, Add	*10.82*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.64*	
02 41 19 13-0150		Brick/Concrete Block Core Drilling *(02 41 19 13-0080)*		
02 41 19 13-0151		Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*		
02 41 19 13-0152	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	38.26	
		For Horizontal Cores, Add	*7.55*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.10*	
02 41 19 13-0153	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	42.43	
		For Horizontal Cores, Add	*8.38*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.76*	
02 41 19 13-0154	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	47.10	
		For Horizontal Cores, Add	*9.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.63*	
02 41 19 13-0155	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	67.25	
		For Horizontal Cores, Add	*13.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.62*	
02 41 19 13-0156	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	90.10	
		For Horizontal Cores, Add	*17.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.66*	
02 41 19 13-0157	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	101.00	
		For Horizontal Cores, Add	*19.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.93*	
02 41 19 13-0158	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	161.33	
		For Horizontal Cores, Add	*31.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.88*	
02 41 19 13-0159	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	201.84	
		For Horizontal Cores, Add	*39.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*79.85*	
02 41 19 13-0160	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	235.57	
		For Horizontal Cores, Add	*46.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.17*	
02 41 19 13-0161	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	269.32	
		For Horizontal Cores, Add	*53.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.46*	
02 41 19 13-0162	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	303.48	
		For Horizontal Cores, Add	*59.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*119.77*	
02 41 19 13-0163		>4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*		
02 41 19 13-0164	EA	Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block	54.69	
		For Horizontal Cores, Add	*10.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*21.56*	
02 41 19 13-0165	EA	Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block	60.67	
		For Horizontal Cores, Add	*11.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.95*	
02 41 19 13-0166	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	67.34	
		For Horizontal Cores, Add	*13.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.62*	
02 41 19 13-0167	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	80.95	
		For Horizontal Cores, Add	*15.97*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.94*	
02 41 19 13-0168	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	101.26	
		For Horizontal Cores, Add	*19.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.93*	
02 41 19 13-0169	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	134.89	
		For Horizontal Cores, Add	*26.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.24*	
02 41 19 13-0170	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	202.09	
		For Horizontal Cores, Add	*39.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*79.85*	
02 41 19 13-0171	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	236.23	
		For Horizontal Cores, Add	*46.58*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*93.17*	
02 41 19 13-0172	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	270.13	
		For Horizontal Cores, Add	*53.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.46*	
02 41 19 13-0173	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	304.24	
		For Horizontal Cores, Add	*59.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*119.77*	
02 41 19 13-0174	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	338.96	
		For Horizontal Cores, Add	*66.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 19 13-0175 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0176	EA	Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block	60.37	
		For Horizontal Cores, Add	*11.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*23.72*	
02 41 19 13-0177	EA	Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block	66.95	
		For Horizontal Cores, Add	*13.17*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.35*	
02 41 19 13-0178	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	74.28	
		For Horizontal Cores, Add	*14.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.28*	
02 41 19 13-0179	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	88.00	
		For Horizontal Cores, Add	*17.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.60*	
02 41 19 13-0180	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	115.07	
		For Horizontal Cores, Add	*22.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.25*	
02 41 19 13-0181	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	162.12	
		For Horizontal Cores, Add	*31.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.88*	
02 41 19 13-0182	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	269.45	
		For Horizontal Cores, Add	*53.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.46*	
02 41 19 13-0183	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	303.83	
		For Horizontal Cores, Add	*59.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*119.77*	
02 41 19 13-0184	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	337.99	
		For Horizontal Cores, Add	*66.54*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.08*	
02 41 19 13-0185	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	372.41	
		For Horizontal Cores, Add	*73.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*146.37*	
02 41 19 13-0186	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	407.71	
		For Horizontal Cores, Add	*79.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.71*	

02 41 19 13-0187 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0188	EA	Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block	71.44	
		For Horizontal Cores, Add	*14.01*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.03*	
02 41 19 13-0189	EA	Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block	79.23	
		For Horizontal Cores, Add	*15.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.14*	
02 41 19 13-0190	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	87.87	
		For Horizontal Cores, Add	*17.30*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.60*	
02 41 19 13-0191	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	101.70	
		For Horizontal Cores, Add	*19.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.93*	
02 41 19 13-0192	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	115.57	
		For Horizontal Cores, Add	*22.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*45.25*	
02 41 19 13-0193	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	162.73	
		For Horizontal Cores, Add	*31.94*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.88*	
02 41 19 13-0194	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	270.28	
		For Horizontal Cores, Add	*53.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*106.46*	
02 41 19 13-0195	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	304.92	
		For Horizontal Cores, Add	*59.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*119.77*	
02 41 19 13-0196	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	339.25	
		For Horizontal Cores, Add	*66.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.06*	
02 41 19 13-0197	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	374.07	
		For Horizontal Cores, Add	*73.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*146.37*	
02 41 19 13-0198	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	409.80	
		For Horizontal Cores, Add	*79.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.67*	

02 41 19 13-0199 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0200	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	77.11	
		For Horizontal Cores, Add	*15.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.18*	
02 41 19 13-0201	EA	Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block	85.50	
		For Horizontal Cores, Add	*16.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.54*	
02 41 19 13-0202	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	94.81	
		For Horizontal Cores, Add	*18.63*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0203	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	102.10	
		For Horizontal Cores, Add	*19.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*39.93*	
02 41 19 13-0204	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	136.05	
		For Horizontal Cores, Add	*26.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.24*	
02 41 19 13-0205	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	176.66	
		For Horizontal Cores, Add	*34.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*69.21*	
02 41 19 13-0206	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	284.43	
		For Horizontal Cores, Add	*55.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.79*	
02 41 19 13-0207	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	306.02	
		For Horizontal Cores, Add	*59.88*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*119.77*	
02 41 19 13-0208	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	353.96	
		For Horizontal Cores, Add	*69.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*138.42*	

02 41 19 13-0209 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0210	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	9.37	
		For Horizontal Cores, Add	*1.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.69*	
02 41 19 13-0211	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	10.39	
		For Horizontal Cores, Add	*2.05*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.10*	
02 41 19 13-0212	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.53	
		For Horizontal Cores, Add	*2.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.56*	
02 41 19 13-0213	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.66	
		For Horizontal Cores, Add	*2.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.99*	
02 41 19 13-0214	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	16.88	
		For Horizontal Cores, Add	*3.33*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.65*	
02 41 19 13-0215	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	21.94	
		For Horizontal Cores, Add	*4.33*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.66*	
02 41 19 13-0216	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	35.37	
		For Horizontal Cores, Add	*6.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.98*	
02 41 19 13-0217	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	38.14	
		For Horizontal Cores, Add	*7.52*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*15.04*	
02 41 19 13-0218	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	43.94	
		For Horizontal Cores, Add	*8.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.31*	

02 41 19 13-0219 Asphalt Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0221	EA	Drill 1" Diameter Core In Up To 2" Asphalt	22.88
02 41 19 13-0222	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	28.60
02 41 19 13-0223	EA	Drill 2" Diameter Core In Up To 2" Asphalt	35.75
02 41 19 13-0224	EA	Drill 3" Diameter Core In Up To 2" Asphalt	44.35
02 41 19 13-0225	EA	Drill 4" Diameter Core In Up To 2" Asphalt	55.81
02 41 19 13-0226	EA	Drill 6" Diameter Core In Up To 2" Asphalt	70.12
02 41 19 13-0227	EA	Drill 8" Diameter Core In Up To 2" Asphalt	87.33
02 41 19 13-0228	EA	Drill 10" Diameter Core In Up To 2" Asphalt	108.77
02 41 19 13-0229	EA	Drill 12" Diameter Core In Up To 2" Asphalt	135.93

02 41 19 13-0230 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0231	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	28.59
02 41 19 13-0232	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	37.16
02 41 19 13-0233	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	45.75
02 41 19 13-0234	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	57.20
02 41 19 13-0235	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	71.52
02 41 19 13-0236	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	90.11
02 41 19 13-0237	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	111.62
02 41 19 13-0238	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	140.18
02 41 19 13-0239	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	174.49

02 41 19 13-0240 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0241	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	37.17
02 41 19 13-0242	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	47.20
02 41 19 13-0243	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	58.63
02 41 19 13-0244	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	72.96
02 41 19 13-0245	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	91.58
02 41 19 13-0246	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	114.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0247	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	143.18	
02 41 19 13-0248	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	178.91	
02 41 19 13-0249	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	223.22	
02 41 19 13-0250		>4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0219)*		
02 41 19 13-0251	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	48.66	
02 41 19 13-0252	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	60.13	
02 41 19 13-0253	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	74.43	
02 41 19 13-0254	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	94.51	
02 41 19 13-0255	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	117.47	
02 41 19 13-0256	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	146.12	
02 41 19 13-0257	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	183.47	
02 41 19 13-0258	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	229.21	
02 41 19 13-0259	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	286.45	
02 41 19 13-0260		Manhole Core Drilling *(02 41 19 13-0080)*		
02 41 19 13-0261	EA	Drill 4" Diameter Core In 6" Brick Manhole	250.52	
02 41 19 13-0262	EA	Drill 5" Diameter Core In 6" Brick Manhole	286.30	
02 41 19 13-0263	EA	Drill 6" Diameter Core In 6" Brick Manhole	333.91	
02 41 19 13-0264	EA	Drill 8" Diameter Core In 6" Brick Manhole	500.72	
02 41 19 13-0265	EA	Drill 2" Diameter Core In 8" Concrete Manhole	335.65	
02 41 19 13-0266	EA	Drill 3" Diameter Core In 8" Concrete Manhole	357.41	
02 41 19 13-0267	EA	Drill 4" Diameter Core In 8" Concrete Manhole	393.47	
02 41 19 13-0268	EA	Drill 5" Diameter Core In 8" Concrete Manhole	422.17	
02 41 19 13-0269	EA	Drill 6" Diameter Core In 8" Concrete Manhole	500.71	
02 41 19 13-0270	EA	Drill 8" Diameter Core In 8" Concrete Manhole	715.15	
02 41 19 13-0271	EA	Drill 2" Diameter Core In Fiberglass Manhole	33.30	
02 41 19 13-0272	EA	Drill 3" Diameter Core In Fiberglass Manhole	38.43	
02 41 19 13-0273	EA	Drill 4" Diameter Core In Fiberglass Manhole	41.64	
02 41 19 13-0274	EA	Drill 5" Diameter Core In Fiberglass Manhole	45.43	
02 41 19 13-0275	EA	Drill 6" Diameter Core In Fiberglass Manhole	49.96	
02 41 19 13-0276	EA	Drill 8" Diameter Core In Fiberglass Manhole	55.53	
02 41 19 13-0277		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0080)* Note: Includes layout.		
02 41 19 13-0278	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.32	
02 41 19 13-0279	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.45	
02 41 19 13-0280	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.58	
02 41 19 13-0281	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.78	
02 41 19 13-0282	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.95	
02 41 19 13-0283	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.24	
02 41 19 13-0284	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.50	
02 41 19 13-0285	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.68	
02 41 19 13-0286	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.34	
02 41 19 13-0287	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	4.08	
02 41 19 13-0288	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.34	
02 41 19 13-0289	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.61	
02 41 19 13-0290	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	5.11	
02 41 19 13-0291	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	5.95	
02 41 19 13-0292		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0080)* Note: Includes layout.		
02 41 19 13-0293	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.93	
02 41 19 13-0294	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.04	
02 41 19 13-0295	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.15	
02 41 19 13-0296	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.32	
02 41 19 13-0297	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.46	
02 41 19 13-0298	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.70	
02 41 19 13-0299	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.92	
02 41 19 13-0300	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.07	
02 41 19 13-0301	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.24	
02 41 19 13-0302	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.40	
02 41 19 13-0303	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.63	
02 41 19 13-0304	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.84	
02 41 19 13-0305	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.29	
02 41 19 13-0306	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.97	
02 41 19 13-0307		Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0080)* Note: Includes layout.		
02 41 19 13-0308	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.96	
02 41 19 13-0309	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.01	
02 41 19 13-0310	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.08	
02 41 19 13-0311	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.15	
02 41 19 13-0312	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.22	
02 41 19 13-0313	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.34	
02 41 19 13-0314	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0315	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.54	
02 41 19 13-0316	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.61	
02 41 19 13-0317	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.69	
02 41 19 13-0318	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.80	
02 41 19 13-0319	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.92	
02 41 19 13-0320	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.13	
02 41 19 13-0321	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.48	
02 41 19 13-0322		Drilling In Drywall Or Plaster Per Inch Of Depth *(02 41 19 13-0080)*		
		Note: Includes layout, high efficiency particulate air (HEPA) vacuum and protection.		
02 41 19 13-0323	IN	1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	0.96	
02 41 19 13-0324	IN	5/16" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.01	
02 41 19 13-0325	IN	3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.08	
02 41 19 13-0326	IN	1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.15	
02 41 19 13-0327	IN	5/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.22	
02 41 19 13-0328	IN	3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.34	
02 41 19 13-0329	IN	7/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.45	
02 41 19 13-0330	IN	1" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.54	
02 41 19 13-0331	IN	1-1/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.61	
02 41 19 13-0332	IN	1-1/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.69	
02 41 19 13-0333	IN	1-3/8" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.80	
02 41 19 13-0334	IN	1-1/2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	1.92	
02 41 19 13-0335	IN	1-3/4" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	2.13	
02 41 19 13-0336	IN	2" Diameter Drilling In Drywall Or Plaster Per Inch Of Depth	2.48	
02 41 19 13-0337	IN	Drill 3" Diameter Core In Wood Or Plastic Per Inch Of Depth	3.25	
02 41 19 13-0338	IN	Drill 4" Diameter Core In Wood Or Plastic Per Inch Of Depth	4.10	
02 41 19 13-0339	IN	Drill 5" Diameter Core In Wood Or Plastic Per Inch Of Depth	4.63	
02 41 19 13-0340	IN	Drill 6" Diameter Core In Wood Or Plastic Per Inch Of Depth	5.15	
02 41 19 13-0341		Limestone Core Drilling *(02 41 19 13-0080)*		
02 41 19 13-0342		10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0341)*		
02 41 19 13-0343	EA	Drill 1" Diameter Core In 10" To 14" Limestone	71.87	
02 41 19 13-0344	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	86.31	
02 41 19 13-0345	EA	Drill 2" Diameter Core In 10" To 14" Limestone	93.62	
02 41 19 13-0346	EA	Drill 3" Diameter Core In 10" To 14" Limestone	108.28	
02 41 19 13-0347	EA	Drill 4" Diameter Core In 10" To 14" Limestone	122.95	
02 41 19 13-0348	EA	Drill 6" Diameter Core In 10" To 14" Limestone	173.27	
02 41 19 13-0349	EA	Drill 8" Diameter Core In 10" To 14" Limestone	288.05	
02 41 19 13-0350		15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0341)*		
02 41 19 13-0351	EA	Drill 1" Diameter Core In 15" To 18" Limestone	79.13	
02 41 19 13-0352	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	93.60	
02 41 19 13-0353	EA	Drill 2" Diameter Core In 15" To 18" Limestone	100.98	
02 41 19 13-0354	EA	Drill 3" Diameter Core In 15" To 18" Limestone	108.60	
02 41 19 13-0355	EA	Drill 4" Diameter Core In 15" To 18" Limestone	144.74	
02 41 19 13-0356	EA	Drill 6" Diameter Core In 15" To 18" Limestone	187.97	
02 41 19 13-0357	EA	Drill 8" Diameter Core In 15" To 18" Limestone	303.06	
02 41 19 13-0358		19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0341)*		
02 41 19 13-0359	EA	Drill 1" Diameter Core In 19" To 24" Limestone	86.36	
02 41 19 13-0360	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	100.89	
02 41 19 13-0361	EA	Drill 2" Diameter Core In 19" To 24" Limestone	108.30	
02 41 19 13-0362	EA	Drill 3" Diameter Core In 19" To 24" Limestone	123.08	
02 41 19 13-0363	EA	Drill 4" Diameter Core In 19" To 24" Limestone	173.57	
02 41 19 13-0364	EA	Drill 6" Diameter Core In 19" To 24" Limestone	216.91	
02 41 19 13-0365	EA	Drill 8" Diameter Core In 19" To 24" Limestone	325.21	
02 41 19 13-0366		Minimum Charge For Core Drilling *(02 41 19 13-0080)*		
02 41 19 13-0367	EA	Minimum Charge For Core Drill	969.39	
		Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".		
02 41 19 13-0368		Cutouts *(02 41 19 13)*		
		Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
02 41 19 13-0369		Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0368)*		
02 41 19 13-0370	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.12	
02 41 19 13-0371	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.46	
02 41 19 13-0372	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.80	
02 41 19 13-0373	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	65.14	
02 41 19 13-0374	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	66.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0375		**Reinforced Concrete Elevated Slab Cutouts** *(02 41 19 13-0368)*		
		Note: Includes cutting and removing steel decking.		
02 41 19 13-0376	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.18	
02 41 19 13-0377	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.25	
02 41 19 13-0378	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.32	
02 41 19 13-0379	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	79.40	
02 41 19 13-0380	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	81.43	
02 41 19 13-0381		**Reinforced Concrete Wall Cutouts** *(02 41 19 13-0368)*		
02 41 19 13-0382	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	68.90	
02 41 19 13-0383	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.07	
02 41 19 13-0384	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.26	
02 41 19 13-0385	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	81.43	
02 41 19 13-0386	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	83.51	
02 41 19 13-0387		**Brick Wall Cutouts** *(02 41 19 13-0368)*		
		Note: Excludes toothing.		
02 41 19 13-0388	SF	4" Thick Brick Wall Cutouts, <24 SF	20.88	
02 41 19 13-0389	SF	6" Thick Brick Wall Cutouts, <24 SF	34.46	
02 41 19 13-0390	SF	8" Thick Brick Wall Cutouts, <24 SF	47.98	
02 41 19 13-0391	SF	10" Thick Brick Wall Cutouts, <24 SF	58.46	
02 41 19 13-0392	SF	12" Thick Brick Wall Cutouts, <24 SF	69.95	
02 41 19 13-0393	SF	16" Thick Brick Wall Cutouts, <24 SF	82.48	
02 41 19 13-0394		**Concrete Block Wall Cutouts** *(02 41 19 13-0368)*		
		Note: Excludes toothing.		
02 41 19 13-0395	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	34.53	
02 41 19 13-0396	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	36.57	
02 41 19 13-0397	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	38.63	
02 41 19 13-0398	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	40.71	
02 41 19 13-0399	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	41.76	
02 41 19 13-0400	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	43.85	
02 41 19 13-0401		**Limestone Cutouts** *(02 41 19 13-0368)*		
02 41 19 13-0402	SF	2" Thick Limestone Cutouts, <24 SF	58.46	
02 41 19 13-0403	SF	4" Thick Limestone Cutouts, <24 SF	70.99	
02 41 19 13-0404	SF	6" Thick Limestone Cutouts, <24 SF	75.17	
02 41 19 13-0405	SF	8" Thick Limestone Cutouts, <24 SF	79.34	
02 41 19 13-0406	SF	10" Thick Limestone Cutouts, <24 SF	83.51	
02 41 19 13-0407	SF	12" Thick Limestone Cutouts, <24 SF	87.70	
02 41 19 13-0408		**Toothing Masonry Cutouts** *(02 41 19 13-0368)*		
		Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0409	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	20.88	
02 41 19 13-0410	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	28.19	
02 41 19 13-0411	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	12.53	
02 41 19 13-0412	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	16.70	
02 41 19 13-0413		**Minimum Charge For Cutouts** *(02 41 19 13-0368)*		
		Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0414	EA	Minimum Charge For Cutouts	417.59	
02 41 19 13-0415		**Elevated Concrete Removal** *(02 41 19 13)*		
02 41 19 13-0416	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	13.99	
02 41 19 16		**Selective Interior Demolition** *(02 41 19)*		
		Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.		
02 41 19 16-0001		**Floor Removal** *(02 41 19 16)*		
02 41 19 16-0002		**Scarify Concrete** *(02 41 19 16-0001)*		
		Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF	Scarify Concrete Floor	0.35	
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser	2.90	
02 41 19 16-0005	SF	Scarify Concrete Wall	2.63	
02 41 19 16-0006		**Fireproofing Removal** *(02 41 19 16)*		
02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel	1.37	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0008		**Demolish Ceiling** *(02 41 19 16)*		
02 41 19 16-0009	SF	Demolish Drywall Ceiling		1.05
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling		2.45
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System		1.88
02 41 19 16-0012		**Demolish Concrete Stair** *(02 41 19 16)*		
02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs		8.81
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs		7.72
02 41 19 16-0015		**Demolish Interior Partition/Wall** *(02 41 19 16)*		
		Note: Price includes knock down, loading, cleanup.		
02 41 19 16-0016		**Demolish Masonry And Concrete Interior Partition/Walls** *(02 41 19 16-0015)*		
		Note: Includes saw cutting, knock down, loading and cleanup.		
02 41 19 16-0017		**Demolish Concrete Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.71
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.10
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.87
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		8.82
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		11.03
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		6.85
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		7.32
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		8.26
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		10.59
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		13.24
02 41 19 16-0028		**Demolish Brick Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.71
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall		6.87
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall		8.81
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall		11.02
02 41 19 16-0033		**Demolish Glass Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls		4.90
02 41 19 16-0035		**Demolish Concrete Interior Partition/Walls** *(02 41 19 16-0016)*		
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		10.38
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		12.98
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		18.17
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		12.46
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		15.67
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		21.80
02 41 19 16-0042		**Demolish Terra-Cotta Block Interior Partition/Walls** *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		1.96
02 41 19 16-0044		**Demolish Stud Framed Interior Partition/Walls** *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.47
		For Heights >14' To 20', Add		*0.52*
		For Heights >20', Add		*0.69*
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		4.04
		For Heights >14' To 20', Add		*0.61*
		For Heights >20', Add		*0.81*
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.43
		For Heights >14' To 20', Add		*0.66*
		For Heights >20', Add		*0.89*
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		6.16
		For Heights >14' To 20', Add		*0.92*
		For Heights >20', Add		*1.23*
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		1.83
		For Heights >14' To 20', Add		*0.27*
		For Heights >20', Add		*0.37*
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.18
		For Heights >14' To 20', Add		*0.33*
		For Heights >20', Add		*0.44*

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001 Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use	319.37	

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001 Flooring Remove And Salvage For Re-Use *(02 42 21 47)*

Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.

02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage	2.91	
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage	2.91	
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage	4.02	
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage	2.35	
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage	1.24	
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage	0.89	

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	40.29	
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	38.08	
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	35.64	
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	32.33	
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	30.22	
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	26.73	
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	39.16	
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	35.64	
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	30.22	

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil *(02 61 13 00-0001)*

02 61 13 00-0003	CY	Excavate Non-Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	10.17	
02 61 13 00-0004	CY	Load Excavated Non-Petroleum Contaminated Soil	9.01	
02 61 13 00-0005	CY	Disposal Fees Of Non-Petroleum Contaminated Soil	44.47	

02 61 13 00-0006 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	15.26	
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil	9.01	
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil	71.25	

02 61 13 00-0010 Accessories For Contaminated Soil Stockpile *(02 61 13)*

02 61 13 00-0011	SF	10 Mil Liner For Contaminated Soil Storage	0.96	
02 61 13 00-0012	SF	20 Mil Liner For Contaminated Soil Storage	1.41	
02 61 13 00-0013	SF	30 Mil Liner For Contaminated Soil Storage	1.63	

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0001		Removal and Disposal of Asbestos Contaminated Soils *(02 61 26)* Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,280.54	
		For Work In Restricted Working Space, Add	*384.16*	
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	84.89	
		For Work In Restricted Working Space, Add	*25.47*	
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	56.59	
		For Work In Restricted Working Space, Add	*16.98*	
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	42.51	
		For Work In Restricted Working Space, Add	*12.75*	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	33.95	
		For Work In Restricted Working Space, Add	*10.19*	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	28.86	
		For Work In Restricted Working Space, Add	*8.66*	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	25.97	
		For Work In Restricted Working Space, Add	*7.79*	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0039 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001		Monitoring, Sampling, Testing And Analysis *(02 65)*		
02 65 00 00-0002		Field Samples For Testing Underground Storage Tank *(02 65 00 00-0001)*		
02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	27.23	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	27.23	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	27.23	
02 65 00 00-0006		Lab Tests For Underground Storage Tank Removal *(02 65 00 00-0001)* Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	214.08	
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	83.25	
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	200.28	
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	214.08	
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	166.51	
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	451.95	
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	832.54	
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	100.14	
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	178.40	
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	237.87	
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	266.41	
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	35.68	
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	35.68	
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	35.68	
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	66.60	
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	380.59	
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	137.69	
02 65 00 00-0024	EA	pH, Lab Test	28.54	
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	356.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	214.08	
02 65 00 00-0027		**Tests, Surveys And Maintenance For Underground Storage Tank** *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,205.54	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	210.29	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	48.60	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	341.02	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	162.21	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	232.75	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	352.77	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	209.92	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	127.73	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	130.82	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	140.36	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.70	
02 65 00 00-0043		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.93	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.84	
02 65 00 00-0046		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	7.09	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.57	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	4.82	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	375.60	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	491.55	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	635.97	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	856.51	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,653.17	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,987.95	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,273.27	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,745.51	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,526.30	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,239.87	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,365.82	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,619.82	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	8,119.76	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	273.18	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	363.78	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	476.68	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	660.11	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,461.82	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,850.98	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,165.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,722.94	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,539.15	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,442.34	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,784.29	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,941.15	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,676.44	

02 65 00 00-0080 Tank And Piping Removal *(02 65)*

Note: Excludes excavation.

02 65 00 00-0081 Removal And Disposal Of Piping *(02 65 00 00-0080)*

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	21.43	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	28.57	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement *(02 65 00 00-0080)*

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	750.59	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	911.42	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,072.27	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,340.34	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,876.45	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,358.97	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,680.65	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,216.79	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,289.04	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,141.62	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,024.92	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	7,048.63	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,810.78	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary *(02 65 00 00-0080)*

Note: Includes 1 lengthwise at every 4' on-center height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	911.41	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,699.66	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,044.53	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,278.53	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,734.24	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,399.32	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,089.04	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	5,111.30	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,389.13	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,986.41	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)*

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	317.37	
		For Each Additional Mile >15 Miles, Add	*5.07*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	428.06	
		For Each Additional Mile >15 Miles, Add	*6.40*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	670.79	
		For Each Additional Mile >15 Miles, Add	*9.60*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,021.68	
		For Each Additional Mile >15 Miles, Add	*11.20*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,802.84	
		For Each Additional Mile >15 Miles, Add	*19.73*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,866.81	
		For Each Additional Mile >15 Miles, Add	*21.33*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,973.45	
		For Each Additional Mile >15 Miles, Add	*23.99*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,848.05	
		For Each Additional Mile >15 Miles, Add	*31.99*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,927.79	
		For Each Additional Mile >15 Miles, Add	*47.99*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,580.99	
		For Each Additional Mile >15 Miles, Add	*53.32*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,657.83	
		For Each Additional Mile >15 Miles, Add	*63.98*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,852.87	
		For Each Additional Mile >15 Miles, Add	*76.78*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,461.16	
		For Each Additional Mile >15 Miles, Add	*88.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0123		Other Storage Tank Removals *(02 65 00 00-0080)* Note: Based on tank gallon size		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.64	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.23	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.30	
02 65 00 00-0127		Tank Closure Report *(02 65 00 00-0080)* Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,524.12	
02 65 00 00-0129		Temporary Tanks *(02 65)*		
02 65 00 00-0130		Temporary Holding Tanks *(02 65 00 00-0129)*		
02 65 00 00-0131		Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*		
02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	989.85	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,979.69	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,484.77	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,464.47	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,474.62	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,532.07	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,629.70	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	11,195.86	
02 65 00 00-0141		Secondary Containment Berm *(02 65 00 00-0129)*		
02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,144.67	

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001		Equipment Oil Drain And Disposal *(02 81)*		
02 81 00 00-0002	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	695.06	
02 81 00 00-0003	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	109.22	
02 81 00 00-0004	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	496.48	
02 81 00 00-0005	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	893.66	
02 81 00 00-0006	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	119.20	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0043 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001		Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	103.48	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	64.66	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	75.81	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	120.41	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	251.97	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	51.29	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	62.43	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	84.73	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	64.66	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	75.81	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	120.41	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	207.37	
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	238.59	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	332.24	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001		Asbestos Encapsulation (Lock-Down) *(02 82 16)*		
02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.77	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.41	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.62	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.84	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.80	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.98	

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,297.01	
		For Work In Restricted Working Space, Add	*384.16*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	44.48	
		For Work In Restricted Working Space, Add	*13.10*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	33.56	
		For Work In Restricted Working Space, Add	*9.82*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.37	
		For Work In Restricted Working Space, Add	*7.37*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.23	
		For Work In Restricted Working Space, Add	*5.52*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.84	
		For Work In Restricted Working Space, Add	*4.81*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,313.48	
		For Work In Restricted Working Space, Add	*384.16*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	51.85	
		For Work In Restricted Working Space, Add	*15.06*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	39.29	
		For Work In Restricted Working Space, Add	*11.29*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.89	
		For Work In Restricted Working Space, Add	*8.47*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.82	
		For Work In Restricted Working Space, Add	*6.35*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	20.07	
		For Work In Restricted Working Space, Add	*5.53*	

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,329.95	
		For Work In Restricted Working Space, Add	*384.16*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	69.14	
		For Work In Restricted Working Space, Add	*20.08*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	52.39	
		For Work In Restricted Working Space, Add	*15.06*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	39.84	
		For Work In Restricted Working Space, Add	*11.29*	
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	30.43	
		For Work In Restricted Working Space, Add	*8.47*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	26.75	
		For Work In Restricted Working Space, Add	*7.37*	

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,346.42	
		For Work In Restricted Working Space, Add	*384.16*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	95.07	
		For Work In Restricted Working Space, Add	*27.62*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	72.04	
		For Work In Restricted Working Space, Add	*20.71*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	54.79	
		For Work In Restricted Working Space, Add	*15.53*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	41.83	
		For Work In Restricted Working Space, Add	*11.64*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	36.78	
		For Work In Restricted Working Space, Add	*10.13*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	832.81	
		For Work In Restricted Working Space, Add	*248.36*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	139.63	
		For Work In Restricted Working Space, Add	*41.39*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	55.21	
		For Work In Restricted Working Space, Add	*16.07*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	41.81	
		For Work In Restricted Working Space, Add	*12.05*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	31.77	
		For Work In Restricted Working Space, Add	*9.04*	

02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,288.78	
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	52.99	
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	43.72	
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	35.11	
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	28.67	

02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,284.66	
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	46.62	
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	37.35	
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	28.75	
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	22.30	

02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,283.29	
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	41.36	
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	32.09	
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	23.48	
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	17.03	

02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,290.83	
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	44.07	
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	34.80	
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	26.19	
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.75	

02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.

02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	213.83	

02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray.

02 82 33 00-0066	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,290.83	
02 82 33 00-0067	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	52.78	
02 82 33 00-0068	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	39.68	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	29.86	
02 82 33 00-0070	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	22.49	

02 82 33 00-0071 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 33 00-0072	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,287.40	
02 82 33 00-0073	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	22.14	
02 82 33 00-0074	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.54	
02 82 33 00-0076	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.34	
02 82 33 00-0077		**Gypsum Wall Board, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0078	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,294.27	
		For Additional Layer, Add	*352.15*	
02 82 33 00-0079	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	17.08	
		For Additional Layer, Add	*4.62*	
02 82 33 00-0080	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.54	
		For Additional Layer, Add	*3.37*	
02 82 33 00-0081	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.87	
		For Additional Layer, Add	*2.64*	
02 82 33 00-0082	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.74	
		For Additional Layer, Add	*2.05*	
02 82 33 00-0083	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	6.13	
		For Additional Layer, Add	*1.61*	
02 82 33 00-0084	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.96	
		For Additional Layer, Add	*1.29*	
02 82 33 00-0085		**Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0086	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,287.40	
02 82 33 00-0087	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	32.18	
02 82 33 00-0088	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	23.64	
02 82 33 00-0089	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	18.52	
02 82 33 00-0090	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	14.47	
02 82 33 00-0091	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.41	
02 82 33 00-0092		**Stucco, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0093	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,294.27	
02 82 33 00-0094	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	28.11	
02 82 33 00-0095	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	21.12	
02 82 33 00-0096	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	15.94	
02 82 33 00-0097	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	12.01	
02 82 33 00-0098		**Spray On Acoustical Ceiling, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0099	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,294.27	
02 82 33 00-0100	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.50	
02 82 33 00-0101	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	11.22	
02 82 33 00-0102	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.27	
02 82 33 00-0103	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.26	
02 82 33 00-0104		**Plywood, Asbestos Abatement And Disposal** *(02 82 33 00-0062)*		
02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,291.52	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	18.41	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	9.00	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	6.17	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.28	
02 82 33 00-0110		**Flooring Material, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0111		**Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
02 82 33 00-0112		**Floor Tile, Asbestos Abatement And Disposal** *(02 82 33 00-0111)* Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,283.29	
		For Each Additional Layer, Add	*192.49*	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	9.00	
		For Each Additional Layer, Add	*1.35*	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.37	
		For Each Additional Layer, Add	*1.11*	
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.87	
		For Each Additional Layer, Add	*0.88*	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	4.06	
		For Each Additional Layer, Add	*0.61*	
02 82 33 00-0118		**Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal** *(02 82 33 00-0111)* Note: Single layer or first of multiple layers. Excludes mastic.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,283.29	
		For Each Additional Layer, Add	*192.49*	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	9.00	
		For Each Additional Layer, Add	*1.35*	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.39	
		For Each Additional Layer, Add	*1.11*	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.71	
		For Each Additional Layer, Add	*1.01*	
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.42	
		For Each Additional Layer, Add	*0.81*	

02 82 33 00-0124 Carpet, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,283.29	
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	7.05	
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.71	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.17	
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.17	

02 82 33 00-0130 Wall Or Cove Base, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Up to 12".

02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	430.28	
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.83	
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.56	
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.28	
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.64	

02 82 33 00-0136 Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.

02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1,287.41	
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	3.26	
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	2.41	
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.87	
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal Note: Applies to bottom layer only if multiple layers.	1.51	

02 82 33 00-0142 Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.

02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,308.00	
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.36	
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.63	
02 82 33 00-0146	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.03	
02 82 33 00-0147	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.75	

02 82 33 00-0148 Mastic Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

Note: Includes removal of all anchors.

02 82 33 00-0149	SF	Mastic-Contaminated Wood Sub-Flooring, Asbestos Abatement And Disposal Note: Includes removal of all anchors.	4.62	

02 82 33 00-0150 Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

02 82 33 00-0151	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,294.26	
02 82 33 00-0152	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	11.56	
02 82 33 00-0153	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal Note: Includes detachment of mounted objects before removal.	7.61	
02 82 33 00-0154	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	6.00	
02 82 33 00-0155	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.94	

02 82 33 00-0156 Roofing, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0157 Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0156)*

Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0158		**Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0157)*		
02 82 33 00-0159	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,314.86	
02 82 33 00-0160	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.45	
02 82 33 00-0161	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.83	
02 82 33 00-0162	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.51	
02 82 33 00-0163	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.20	
02 82 33 00-0164	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.22	
02 82 33 00-0165		**>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0157)*		
02 82 33 00-0166	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,340.93	
02 82 33 00-0167	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.87	
02 82 33 00-0168	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.98	
02 82 33 00-0169	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.53	
02 82 33 00-0170	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.03	
02 82 33 00-0171	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.90	
02 82 33 00-0172		**>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0157)*		
02 82 33 00-0173	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,371.13	
02 82 33 00-0174	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	11.18	
02 82 33 00-0175	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.07	
02 82 33 00-0176	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.47	
02 82 33 00-0177	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.80	
02 82 33 00-0178	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.54	
02 82 33 00-0179		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0156)*		
02 82 33 00-0180		**Shingles And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0179)*		
02 82 33 00-0181	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	1,289.12	
		Note: Single or first of multiple layers.		
02 82 33 00-0182	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	8.25	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*1.65*	
02 82 33 00-0183	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	6.63	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*1.33*	
02 82 33 00-0184	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	5.31	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*1.06*	
02 82 33 00-0185	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	4.00	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*0.80*	
02 82 33 00-0186	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal	3.02	
		Note: Single or first of multiple layers.		
		For Each Additional Layer, Add	*0.60*	
02 82 33 00-0187		**Roof Penetration Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0156)*		
02 82 33 00-0188	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	427.54	
02 82 33 00-0189	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.27	
02 82 33 00-0190	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.70	
02 82 33 00-0191	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.19	
02 82 33 00-0192	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.60	
02 82 33 00-0193		**Roof Curb Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0156)*		
02 82 33 00-0194	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	427.54	
02 82 33 00-0195	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.67	
02 82 33 00-0196	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.75	
02 82 33 00-0197	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.48	
02 82 33 00-0198	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.68	
02 82 33 00-0199		**Asbestos-Cement Products, Asbestos Abatement And Disposal** *(02 82 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0200		**Interior Asbestos-Cement Board, Asbestos Abatement And Disposal** *(02 82 33 00-0199)*		
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0201	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,294.26	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0202	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.87	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0203	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.50	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0204	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.63	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0205	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.17	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0206		**Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal** *(02 82 33 00-0199)*		
02 82 33 00-0207	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,294.26	
02 82 33 00-0208	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.72	
02 82 33 00-0209	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.02	
02 82 33 00-0210	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.25	
02 82 33 00-0211	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.84	
02 82 33 00-0212		**Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal** *(02 82 33 00-0199)*		
02 82 33 00-0213	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,083.58	
02 82 33 00-0214	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	45.31	
02 82 33 00-0215	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	34.39	
02 82 33 00-0216	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	26.20	
02 82 33 00-0217	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	20.06	
02 82 33 00-0218	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.46	
02 82 33 00-0219	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.13	
02 82 33 00-0220		**Exterior Transite Siding, Asbestos Abatement And Disposal** *(02 82 33 00-0199)*		
02 82 33 00-0221	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,303.80	
		Note: Single or first of multiple layers.		
02 82 33 00-0222	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.96	
		Note: Single or first of multiple layers.		
02 82 33 00-0223	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.60	
		Note: Single or first of multiple layers.		
02 82 33 00-0224	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.50	
		Note: Single or first of multiple layers.		
02 82 33 00-0225	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.42	
		Note: Single or first of multiple layers.		
02 82 33 00-0226	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.60	
		Note: Single or first of multiple layers.		
02 82 33 00-0227		**Asbestos Contaminated Debris, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0228		**Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal** *(02 82 33 00-0227)*		
		Note: For non-attic/crawl space surface cleaning including walls, floors, equipment, and furniture.		
02 82 33 00-0229	SET	Up To 10 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	641.64	
02 82 33 00-0230	SF	>10 To 100 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	1.18	
02 82 33 00-0231	SF	>100 To 500 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.78	
02 82 33 00-0232	SF	>500 To 1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.64	
02 82 33 00-0233	SF	>1,000 SF, Asbestos Contaminated Dust And Minor Debris Collection In All Areas, Asbestos Abatement And Disposal	0.55	
02 82 33 00-0234		**Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal** *(02 82 33 00-0227)*		
02 82 33 00-0235	SET	Up To 10 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	859.18	
02 82 33 00-0236	SF	>10 To 100 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	21.89	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0237	SF	>100 To 250 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	14.96	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0238	SF	>250 To 500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	11.22	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0239	SF	>500 To 2,500 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	9.09	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0240	SF	>2,500 To 10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	8.02	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0241	SF	>10,000 SF, Up To 4" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	6.96	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0242	SET	Up To 10 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,076.72	
02 82 33 00-0243	SF	>10 To 100 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	43.38	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0244	SF	>100 To 250 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	29.26	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0245	SF	>250 To 500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	22.21	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0246	SF	>500 To 2,500 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	17.94	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0247	SF	>2,500 To 10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	15.39	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0248	SF	>10,000 SF, >4" To 7" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	13.94	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0249	SET	Up To 10 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	1,297.01	
02 82 33 00-0250	SF	>10 To 100 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	86.54	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0251	SF	>100 To 250 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	58.24	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0252	SF	>250 To 500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	44.16	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0253	SF	>500 To 2,500 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	35.60	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0254	SF	>2,500 To 10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	30.51	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	
02 82 33 00-0255	SF	>10,000 SF, >7" To 12" Thick, Asbestos Contaminated Bulk Debris And Dust Collection In Attic And Crawl Spaces, Asbestos Abatement And Disposal	27.62	
		For Batt Insulation Removal, Add	*2.00*	
		For Encapsulated Soil, Add	*1.00*	
		For Work In Restricted Working Space, Add	*1.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0256		**Asbestos Contaminated Debris, Asbestos Abatement And Disposal** *(02 82 33 00-0227)*		
02 82 33 00-0257	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	870.16	
		For Work In Restricted Working Space, Add	*256.11*	
02 82 33 00-0258	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	86.54	
		For Work In Restricted Working Space, Add	*25.47*	
02 82 33 00-0259	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	58.24	
		For Work In Restricted Working Space, Add	*16.98*	
02 82 33 00-0260	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	44.16	
		For Work In Restricted Working Space, Add	*12.75*	
02 82 33 00-0261	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	35.60	
		For Work In Restricted Working Space, Add	*10.19*	
02 82 33 00-0262	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	30.51	
		For Work In Restricted Working Space, Add	*8.66*	
02 82 33 00-0263	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	27.62	
		For Work In Restricted Working Space, Add	*7.79*	
02 82 33 00-0264		**Other Asbestos Containing Materials, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0265		**30" To 36" Fire Door, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0266	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	434.26	
02 82 33 00-0267	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	161.07	
02 82 33 00-0268	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	145.70	
02 82 33 00-0269		**HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
02 82 33 00-0270	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	427.19	
02 82 33 00-0271	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.76	
02 82 33 00-0272	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.58	
02 82 33 00-0273	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.66	
02 82 33 00-0274	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.87	
02 82 33 00-0275	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.18	
02 82 33 00-0276	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.61	
02 82 33 00-0277		**Grout, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
		Note: e.g. flue grout.		
02 82 33 00-0278	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	427.08	
02 82 33 00-0279	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.83	
02 82 33 00-0280	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.59	
02 82 33 00-0281	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.93	
02 82 33 00-0282	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.53	
02 82 33 00-0283	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.35	
02 82 33 00-0284	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.31	
02 82 33 00-0285		**Gaskets, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
		Note: e.g. rope, web cloth, flat.		
02 82 33 00-0286	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	427.19	
02 82 33 00-0287	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	22.67	
02 82 33 00-0288	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	17.01	
02 82 33 00-0289	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.49	
02 82 33 00-0290	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	13.05	
02 82 33 00-0291	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.73	
02 82 33 00-0292	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.16	
02 82 33 00-0293		**Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
		Note: e.g. grid, spline, or glued on.		
02 82 33 00-0294	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	860.55	
02 82 33 00-0295	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	18.28	
02 82 33 00-0296	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.87	
02 82 33 00-0297	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	6.04	
02 82 33 00-0298	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.15	
02 82 33 00-0299		**Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal** *(02 82 33 00-0264)*		
		Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0300	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	857.39	
02 82 33 00-0301	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	18.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0302	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.87	
02 82 33 00-0303	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	6.04	
02 82 33 00-0304	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.15	
02 82 33 00-0305		Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0306		Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0305)*		
02 82 33 00-0307	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	427.08	
02 82 33 00-0308	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	12.61	
02 82 33 00-0309	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.90	
02 82 33 00-0310	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.63	
02 82 33 00-0311	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.98	
02 82 33 00-0312	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.95	
02 82 33 00-0313	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.43	
02 82 33 00-0314		Wood Wall Joint Compound, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0315	SET	Up To 10 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	854.38	
02 82 33 00-0316	SF	>10 To 500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	16.88	
02 82 33 00-0317	SF	>500 To 2,500 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	12.34	
02 82 33 00-0318	SF	>2,500 To 10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	9.67	
02 82 33 00-0319	SF	>10,000 SF, Wood Wall Joint Compound, Asbestos Abatement And Disposal	7.54	
02 82 33 00-0320		Chalk Board Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0321	SET	Up To 100 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	433.72	
02 82 33 00-0322	SF	>100 To 1,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	18.21	
02 82 33 00-0323	SF	>1,000 To 2,500 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	8.80	
02 82 33 00-0324	SF	>2,500 To 10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.97	
02 82 33 00-0325	SF	>10,000 SF, Chalk Board Mastic, Asbestos Abatement And Disposal	5.08	
02 82 33 00-0326		Tack Board Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0327	SET	Up To 100 SF, Tack Board Mastic, Asbestos Abatement And Disposal	433.72	
02 82 33 00-0328	SF	>100 To 1,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	18.21	
02 82 33 00-0329	SF	>1,000 To 2,500 SF, Tack Board Mastic, Asbestos Abatement And Disposal	8.80	
02 82 33 00-0330	SF	>2,500 To 10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.97	
02 82 33 00-0331	SF	>10,000 SF, Tack Board Mastic, Asbestos Abatement And Disposal	5.08	
02 82 33 00-0332		Dash Coat Over Wood Walls, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0333	SET	Up To 10 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	854.38	
02 82 33 00-0334	SF	>10 To 500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	18.75	
02 82 33 00-0335	SF	>500 To 2,500 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	13.98	
02 82 33 00-0336	SF	>2,500 To 10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	10.51	
02 82 33 00-0337	SF	>10,000 SF, Dash Coat Over Wood Walls, Asbestos Abatement And Disposal	7.90	
02 82 33 00-0338		HEPA Vacuum, Asbestos Abatement And Disposal *(02 82 33 00-0264)* Note: For adjacent areas.		
02 82 33 00-0339	SF	High Efficiency Particulate Air (HEPA) Vacuum And Cleaning Of Contaminated Area	0.79	
02 82 33 00-0340		Asbestos Contaminated Paint, Asbestos Abatement And Disposal *(02 82 33 00-0264)* Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0341	SET	Up To 10 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	534.24	
02 82 33 00-0342	SF	>10 To 500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	52.44	
02 82 33 00-0343	SF	>500 To 2,500 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	39.34	
02 82 33 00-0344	SF	>2,500 To 10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	29.52	
02 82 33 00-0345	SF	>10,000 SF, Asbestos Contaminated Paint On Bridges, Asbestos Abatement And Disposal	22.15	
02 82 33 00-0346		Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0347	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal	5.47	
02 82 33 00-0348	SF	Mastic On Walls, Asbestos Abatement And Disposal	21.41	
02 82 33 00-0349		Other Material, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0350	LF	Chemical Countertops, Asbestos Abatement And Disposal	29.01	
02 82 33 00-0351	EA	Chemical Fume Hood, Asbestos Abatement And Disposal	1,640.20	
02 82 33 00-0352		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0353		Wire Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0352)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0354	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	427.08	
02 82 33 00-0355	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	4.75	
02 82 33 00-0356	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	3.35	
02 82 33 00-0357	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	2.50	
02 82 33 00-0358	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.87	
02 82 33 00-0359	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.49	
02 82 33 00-0360	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal	1.30	
02 82 33 00-0361		Window Putty, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0362	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	427.08	
02 82 33 00-0363	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.83	
02 82 33 00-0364	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.59	
02 82 33 00-0365	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	9.93	
02 82 33 00-0366	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.53	
02 82 33 00-0367	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.35	
02 82 33 00-0368		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0369	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	885.31	
02 82 33 00-0370	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	84.31	
02 82 33 00-0371	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	58.85	
02 82 33 00-0372	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	46.16	
02 82 33 00-0373	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	38.48	
02 82 33 00-0374	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	33.88	
02 82 33 00-0375	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	31.28	
02 82 33 00-0376		Bearing Pads, Asbestos Abatement And Disposal *(02 82 33 00-0264)*		
02 82 33 00-0377	SET	Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal	427.54	
02 82 33 00-0378	EA	>10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal	28.35	
02 82 33 00-0379	EA	>20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal	18.21	
02 82 33 00-0380	EA	>35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal	16.34	
02 82 33 00-0381	EA	>50 EA, Bearing Pads, Asbestos Abatement And Disposal	14.69	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0043 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0043 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001		Lead Sampling And Testing *(02 83 19 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		
02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	97.21	
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	76.86	
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	73.58	
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	111.49	
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	156.09	
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.99	
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	44.60	
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	55.74	
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	73.58	
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	111.49	
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	12.26	
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.72	
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	24.53	
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	12.26	
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.72	
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	24.53	
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	44.60	
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	66.89	
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	89.19	
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	46.12	
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	92.24	
02 83 19 13-0023		Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0024	EA	Minimum Show Up Charge For Lead-Based Paint Remediation Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,313.26	
02 83 19 13-0025		**Chemical Stripping Of Lead Contaminated Material** *(02 83 19 13)* Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	37.26	
		For 0.025" (25 mil) Application, Add	*2.11*	
		For 0.03" (30 mil) Application, Add	*3.33*	
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	55.26	
		For 0.025" (25 mil) Application, Add	*3.01*	
		For 0.03" (30 mil) Application, Add	*4.68*	
02 83 19 13-0028	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	16.00	
		For 0.025" (25 mil) Application, Add	*0.95*	
		For 0.03" (30 mil) Application, Add	*1.52*	
		For 0.125" (125 mil) Application, Add	*8.50*	
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	32.67	
		For 0.025" (25 mil) Application, Add	*1.78*	
		For 0.03" (30 mil) Application, Add	*2.77*	
		For 0.125" (125 mil) Application, Add	*12.67*	
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	17.39	
		For 0.025" (25 mil) Application, Add	*1.12*	
		For 0.03" (30 mil) Application, Add	*1.84*	
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	49.26	
		For 0.025" (25 mil) Application, Add	*2.71*	
		For 0.03" (30 mil) Application, Add	*4.23*	
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.72	
		For 0.025" (25 mil) Application, Add	*0.74*	
		For 0.03" (30 mil) Application, Add	*1.23*	
		For 0.125" (125 mil) Application, Add	*8.68*	
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	31.15	
		For 0.025" (25 mil) Application, Add	*1.76*	
		For 0.03" (30 mil) Application, Add	*2.76*	
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	39.69	
		For 0.025" (25 mil) Application, Add	*2.18*	
		For 0.03" (30 mil) Application, Add	*3.40*	
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.79	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.53*	
02 83 19 13-0036	SF	Columns, Chemical Stripping Of Lead Contaminated Material	14.21	
		For 0.025" (25 mil) Application, Add	*0.96*	
		For 0.03" (30 mil) Application, Add	*1.60*	
		For 0.125" (125 mil) Application, Add	*11.05*	
02 83 19 13-0037	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.52	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.36*	
02 83 19 13-0038	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	15.39	
		For 0.025" (25 mil) Application, Add	*0.97*	
		For 0.03" (30 mil) Application, Add	*1.58*	
02 83 19 13-0039	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	22.67	
		For 0.025" (25 mil) Application, Add	*1.38*	
		For 0.03" (30 mil) Application, Add	*2.23*	
02 83 19 13-0040	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	64.82	
		For 0.025" (25 mil) Application, Add	*3.64*	
		For 0.03" (30 mil) Application, Add	*5.71*	
02 83 19 13-0041	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	16.07	
		For 0.025" (25 mil) Application, Add	*1.00*	
		For 0.03" (30 mil) Application, Add	*1.63*	
02 83 19 13-0042	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.83	
		For 0.025" (25 mil) Application, Add	*0.64*	
		For 0.03" (30 mil) Application, Add	*1.09*	
02 83 19 13-0043	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	33.29	
		For 0.025" (25 mil) Application, Add	*1.86*	
		For 0.03" (30 mil) Application, Add	*2.92*	
02 83 19 13-0044	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	39.69	
		For 0.025" (25 mil) Application, Add	*2.18*	
		For 0.03" (30 mil) Application, Add	*3.40*	
02 83 19 13-0045	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	20.84	
		For 0.025" (25 mil) Application, Add	*1.34*	
		For 0.03" (30 mil) Application, Add	*2.20*	
02 83 19 13-0046	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	25.68	
		For 0.025" (25 mil) Application, Add	*1.58*	
		For 0.03" (30 mil) Application, Add	*2.56*	
		For 0.125" (125 mil) Application, Add	*15.42*	
02 83 19 13-0047	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	7.17	
		For 0.025" (25 mil) Application, Add	*0.51*	
		For 0.03" (30 mil) Application, Add	*0.86*	
		For 0.125" (125 mil) Application, Add	*6.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0048	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.50	
		For 0.025" (25 mil) Application, Add	*0.73*	
		For 0.03" (30 mil) Application, Add	*1.18*	
		For 0.125" (125 mil) Application, Add	*7.38*	
02 83 19 13-0049	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	20.59	
		For 0.025" (25 mil) Application, Add	*1.28*	
		For 0.03" (30 mil) Application, Add	*2.08*	
		For 0.125" (125 mil) Application, Add	*12.65*	
02 83 19 13-0050	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	28.22	
		For 0.025" (25 mil) Application, Add	*1.71*	
		For 0.03" (30 mil) Application, Add	*2.75*	
		For 0.125" (125 mil) Application, Add	*16.06*	
02 83 19 13-0051	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	50.61	
		For 0.025" (25 mil) Application, Add	*2.98*	
		For 0.03" (30 mil) Application, Add	*4.75*	
		For 0.125" (125 mil) Application, Add	*26.15*	
02 83 19 13-0052	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	15.12	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.36*	
		For 0.125" (125 mil) Application, Add	*7.02*	
02 83 19 13-0053	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	300.72	
		For 0.025" (25 mil) Application, Add	*16.49*	
		For 0.03" (30 mil) Application, Add	*25.64*	
02 83 19 13-0054	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	21.05	
		For 0.025" (25 mil) Application, Add	*1.62*	
		For 0.03" (30 mil) Application, Add	*2.78*	
02 83 19 13-0055	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	23.04	
		For 0.025" (25 mil) Application, Add	*1.72*	
		For 0.03" (30 mil) Application, Add	*2.93*	
02 83 19 13-0056	SF	Siding, Chemical Stripping Of Lead Contaminated Material	12.00	
		For 0.025" (25 mil) Application, Add	*0.85*	
		For 0.03" (30 mil) Application, Add	*1.43*	
		For 0.125" (125 mil) Application, Add	*10.50*	
02 83 19 13-0057	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	25.18	
		For 0.025" (25 mil) Application, Add	*1.46*	
		For 0.03" (30 mil) Application, Add	*2.31*	
		For 0.125" (125 mil) Application, Add	*12.30*	
02 83 19 13-0058	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.58	
		For 0.025" (25 mil) Application, Add	*0.78*	
		For 0.03" (30 mil) Application, Add	*1.29*	
		For 0.125" (125 mil) Application, Add	*8.90*	
02 83 19 13-0059	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	13.15	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.29*	
02 83 19 13-0060	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	13.12	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.28*	
02 83 19 13-0061	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	18.59	
		For 0.025" (25 mil) Application, Add	*1.13*	
		For 0.03" (30 mil) Application, Add	*1.82*	
		For 0.125" (125 mil) Application, Add	*10.65*	
02 83 19 13-0062	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	13.12	
		For 0.025" (25 mil) Application, Add	*0.86*	
		For 0.03" (30 mil) Application, Add	*1.41*	
		For 0.125" (125 mil) Application, Add	*9.28*	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	30.22	
		For 0.025" (25 mil) Application, Add	*1.71*	
		For 0.03" (30 mil) Application, Add	*2.69*	
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	33.09	
		For 0.025" (25 mil) Application, Add	*1.85*	
		For 0.03" (30 mil) Application, Add	*2.91*	
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	35.01	
		For 0.025" (25 mil) Application, Add	*1.95*	
		For 0.03" (30 mil) Application, Add	*3.05*	
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	36.96	
		For 0.025" (25 mil) Application, Add	*2.05*	
		For 0.03" (30 mil) Application, Add	*3.20*	
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	38.88	
		For 0.025" (25 mil) Application, Add	*2.14*	
		For 0.03" (30 mil) Application, Add	*3.34*	
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	40.89	
		For 0.025" (25 mil) Application, Add	*2.24*	
		For 0.03" (30 mil) Application, Add	*3.49*	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	42.77	
		For 0.025" (25 mil) Application, Add	*2.34*	
		For 0.03" (30 mil) Application, Add	*3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	43.75	
		For 0.025" (25 mil) Application, Add	*2.39*	
		For 0.03" (30 mil) Application, Add	*3.71*	
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	44.73	
		For 0.025" (25 mil) Application, Add	*2.44*	
		For 0.03" (30 mil) Application, Add	*3.78*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	45.67	
		For 0.025" (25 mil) Application, Add	*2.48*	
		For 0.03" (30 mil) Application, Add	*3.85*	
02 83 19 13-0073	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	60.34	
		For 0.025" (25 mil) Application, Add	*3.42*	
		For 0.03" (30 mil) Application, Add	*5.38*	
		For 0.125" (125 mil) Application, Add	*27.09*	
02 83 19 13-0074	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.47	
		For 0.025" (25 mil) Application, Add	*0.67*	
		For 0.03" (30 mil) Application, Add	*1.10*	
		For 0.125" (125 mil) Application, Add	*7.12*	
02 83 19 13-0075	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	30.67	
		For 0.025" (25 mil) Application, Add	*1.83*	
		For 0.03" (30 mil) Application, Add	*2.94*	
		For 0.125" (125 mil) Application, Add	*16.67*	
02 83 19 13-0076	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	33.54	
		For 0.025" (25 mil) Application, Add	*1.93*	
		For 0.03" (30 mil) Application, Add	*3.05*	
		For 0.125" (125 mil) Application, Add	*15.89*	

02 83 19 13-0077 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.65
02 83 19 13-0079	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.54
02 83 19 13-0080	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.99
02 83 19 13-0081	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.53
02 83 19 13-0082	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	74.02
02 83 19 13-0083	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	98.20
02 83 19 13-0084	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.96
02 83 19 13-0085	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	6.14
02 83 19 13-0086	SF	Demolish Brick, Lead Contaminated Material	4.62
02 83 19 13-0087	SF	Demolish Concrete Block, Lead Contaminated Material	5.95
02 83 19 13-0088	SF	Demolish Tile, Lead Contaminated Material	4.48
02 83 19 13-0089	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.74
02 83 19 13-0090	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.25
02 83 19 13-0091	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.99
02 83 19 13-0092	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.68
02 83 19 13-0093	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	2.00
02 83 19 13-0094	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.50
02 83 19 13-0095	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.63
02 83 19 13-0096	SF	Demolish Concrete, Lead Contaminated Material	15.27
02 83 19 13-0097	LF	Demolish Cabinets, Lead Contaminated Material	35.56
02 83 19 13-0098	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	2.02
02 83 19 13-0099	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.71
02 83 19 13-0100	SF	Demolish Cornice, Lead Contaminated Material	2.62
02 83 19 13-0101	EA	Demolish Doors, Lead Contaminated Material	77.16
02 83 19 13-0102	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.35
02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material	23.67
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	3.04
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	5.05
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	3.64
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	4.28
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	8.61
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	18.49
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.58
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	11.06
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	16.72
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	30.83
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	133.17
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	51.89
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	2.06
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.75
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.80
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	5.65
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	7.41
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	5.48
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	18.43
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	8.82
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.48

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.58	
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.91	
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	7.96	
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.89	
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	24.31	
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.30	
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	14.58	
02 83 19 13-0132	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.11	
02 83 19 13-0133	LF	Demolish Rain Gutters, Lead Contaminated Material	5.34	
02 83 19 13-0134	LF	Demolish Downspouts, Lead Contaminated Material	4.38	
02 83 19 13-0135	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.40	
02 83 19 13-0136	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.11	
02 83 19 13-0137	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.78	
02 83 19 13-0138	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	7.78	
02 83 19 13-0139	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.59	
02 83 19 13-0140	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.38	
02 83 19 13-0141	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.40	
02 83 19 13-0142	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	24.31	
02 83 19 13-0143	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	17.28	
02 83 19 13-0144	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	12.96	
02 83 19 13-0145	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	9.72	
02 83 19 13-0146		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)* Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0147	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.71	
02 83 19 13-0148		Scrape And Sand Lead Paint *(02 83 19 13)*		
02 83 19 13-0149	SF	Hand Scrape Lead Paint From Concrete Or Masonry Surfaces	1.41	
02 83 19 13-0150	SF	Scrape Lead Paint, Repair And Sand Severely Damaged Drywall Surfaces	1.46	
02 83 19 13-0151	SF	Hand Scrape Lead Paint From Wood Surfaces	1.92	
02 83 19 13-0152	SF	Hand Scraping And Sanding Lead Paint From Metal Surfaces	1.97	
02 83 19 13-0153		Lead Abatement Encapsulation *(02 83 19 13)* Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0154	SF	Balustrades, Lead Abatement Encapsulation	6.75	
02 83 19 13-0155	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.67	
02 83 19 13-0156	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	9.05	
02 83 19 13-0157	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.34	
02 83 19 13-0158	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.74	
02 83 19 13-0159	SF	Simple Design Cabinets, Lead Abatement Encapsulation	7.94	
02 83 19 13-0160	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.74	
02 83 19 13-0161	SF	Wood Ceilings, Lead Abatement Encapsulation	3.31	
02 83 19 13-0162	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	3.07	
02 83 19 13-0163	SF	Columns, Lead Abatement Encapsulation	5.24	
02 83 19 13-0164	SF	Doors, Lead Abatement Encapsulation	9.98	
02 83 19 13-0165	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.40	
02 83 19 13-0166	SF	Picket Fence (Brush), Lead Abatement Encapsulation	3.14	
02 83 19 13-0167	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.63	
02 83 19 13-0168	SF	Grilles, Vents, Lead Abatement Encapsulation	7.27	
02 83 19 13-0169	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.75	
02 83 19 13-0170	EA	Hangers, Lead Abatement Encapsulation	57.21	
02 83 19 13-0171	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	4.09	
02 83 19 13-0172	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.90	
02 83 19 13-0173	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	9.16	
02 83 19 13-0174	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	13.53	
02 83 19 13-0175	EA	Radiators, Lead Abatement Encapsulation	148.47	
02 83 19 13-0176	EA	Up To 6' Shutters, Lead Abatement Encapsulation	212.10	
02 83 19 13-0177	SF	Siding, Lead Abatement Encapsulation	3.74	
02 83 19 13-0178	SF	Up To 12" Soffit, Lead Abatement Encapsulation	5.24	
02 83 19 13-0179	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	4.34	
02 83 19 13-0180	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.66	
02 83 19 13-0181	SF	Trusses, Lead Abatement Encapsulation	5.66	
02 83 19 13-0182	SF	Drywall Walls, Lead Abatement Encapsulation	2.43	
02 83 19 13-0183	SF	Wood Walls, Lead Abatement Encapsulation	2.99	
02 83 19 13-0184	EA	Window Without Grille, Lead Abatement Encapsulation	125.83	
02 83 19 13-0185	EA	Window With Grille, Lead Abatement Encapsulation	161.73	
02 83 19 13-0186	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	3.85	
02 83 19 13-0187	LF	Steel Lintels, Lead Abatement Encapsulation	4.42	

02 83 33 Removal and Disposal of Material Containing Lead *(02 83)*

02 83 33 13 Lead-Based Paint Removal and Disposal *(02 83 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.31	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.31	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.53	

02 84 Polychlorinated Biphenyl Remediation *(02 80)*

02 84 16 Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury *(02 84)*

02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)* Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	9.04	
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)* Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.39	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.32	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	10.21	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	21.37	
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.18	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.51	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	26.25	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	50.96	

02 84 33 Removal and Disposal of Polychlorinated Biphenyls *(02 84)*

02 84 33 00-0001		Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)* Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	3,641.85	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	5,723.87	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	1,567.24	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	6,897.20	
02 84 33 00-0006	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	10,880.85	
02 84 33 00-0007	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	2,781.26	

02 86 Hazardous Waste Drum Handling *(02 80)*

02 86 00 00-0001		Hazardous Waste Packaging *(02 86)*		
02 86 00 00-0002		Overpacks *(02 86 00 00-0001)*		
02 86 00 00-0003		Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*		
02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	542.23	
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	308.65	
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	297.90	
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	186.38	
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	146.82	
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	98.92	
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	89.44	
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	78.81	
02 86 00 00-0012		Polyethylene Overpacks *(02 86 00 00-0002)*		
02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	612.48	
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	113.19	
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	554.22	
02 86 00 00-0016		Composite Overpacks *(02 86 00 00-0002)*		
02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	300.75	
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	412.71	
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	559.79	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0020		DOT E-9168 Exempt Packaging *(02 86 00 00-0002)*		
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.65	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.38	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.21	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.36	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	16.11	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.34	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.85	
02 86 00 00-0028		Steel Drums *(02 86 00 00-0001)*		
02 86 00 00-0029		UN Rated Steel Drums *(02 86 00 00-0028)*		
02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	139.63	
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0032	EA	8 Gallon, 17C, Open, Steel Drum	100.98	
02 86 00 00-0033	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0034	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	98.79	
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	131.97	
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	107.01	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0044	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	84.33	
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0047	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0050	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	97.75	
02 86 00 00-0051	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0052	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	83.09	
02 86 00 00-0053	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0055	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0057	EA	30 Gallon, 17E, Open, Steel Drum	60.28	
02 86 00 00-0058	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	144.89	
02 86 00 00-0059	EA	20 Gallon, 17C, Open, Steel Drum	84.72	
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	128.42	
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	111.96	
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0066	EA	20 Gallon, 17E, Open, Steel Drum	57.02	
02 86 00 00-0067		Plastic Drums *(02 86 00 00-0001)*		
02 86 00 00-0068		Polyethylene Closed Head Drums *(02 86 00 00-0067)*		
		Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	87.65	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	67.29	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	61.10	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	42.69	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	41.87	
02 86 00 00-0074		Polyethylene Open Head Drums *(02 86 00 00-0067)*		
		Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	110.79	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	81.46	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	77.39	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	57.02	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	48.88	
02 86 00 00-0080		Fiber Drums *(02 86 00 00-0001)*		
02 86 00 00-0081		Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)*		
		Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	67.12	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	62.89	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	57.35	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	56.70	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	69.08	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	65.17	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	60.28	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	58.33	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	50.51	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	43.01	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	46.92	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	54.74	
02 86 00 00-0094		Loading Hazardous Waste For Shipment *(02 86 00 00-0001)*		
02 86 00 00-0095	EA	Load Drums On Disposal Truck	12.67	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,333.93	
02 86 00 00-0097		Transport Drums To Landfill *(02 86 00 00-0001)*		
		Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098	EA	Transport Drum To Landfill	104.90	
		Note: Includes transportation for up to 25 miles.		

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0043 for temporary stud walls, 01 74 19 00-0039 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0020 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0001		Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: Treat fittings as additional lf of insulation.		
02 87 13 33-0002		Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)*		
		Note: Diameter is outer size of insulation.		
02 87 13 33-0003		Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
		Note: Excludes encased fittings.		
02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	861.93	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	33.42	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	25.17	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.98	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	14.33	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.52	
02 87 13 33-0010		>6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*		
02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	886.63	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	39.61	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	30.12	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	23.00	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.66	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.58	
02 87 13 33-0017		Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0018		Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*		
02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	874.28	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	19.38	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.64	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	11.08	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.58	
02 87 13 33-0024		Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*		
		Note: e.g. fireproofing, acoustical plaster, etc.		
02 87 13 33-0025		Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	867.42	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	19.24	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.50	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.94	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.29	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0031		**Acoustical Plaster, Mold Abatement And Disposal** *(02 87 13 33-0024)*		
		Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	867.42	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	19.24	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.50	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.94	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.29	
02 87 13 33-0037		**Gypsum Board, Mold Abatement And Disposal** *(02 87 13 33-0024)*		
02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	881.15	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.41	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	5.07	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	4.01	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.94	
02 87 13 33-0043		**Fireproofing, Mold Abatement And Disposal** *(02 87 13 33-0024)*		
		Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	874.28	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	26.55	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	20.05	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	15.14	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.46	
02 87 13 33-0049		**Flooring, Mold Abatement And Disposal** *(02 87 13 33)*		
		Note: Includes cove base.		
02 87 13 33-0050		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0051		**Floor Tile Or Linoleum, Mold Abatement And Disposal** *(02 87 13 33-0050)*		
		Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	881.15	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.37	
		For Each Additional Layer, Add	*1.59*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.56	
		For Each Additional Layer, Add	*0.89*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.05	
		For Each Additional Layer, Add	*0.51*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.58	
		For Each Additional Layer, Add	*0.40*	
02 87 13 33-0057		**Carpet, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0058		**Carpet, Glue Down, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	881.15	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.29	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.31	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.21	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.70	
02 87 13 33-0064		**Carpet, Padded With Tack Strips, Mold Abatement And Disposal** *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal	881.15	
		Note: Includes tack strips.		
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal	5.96	
		Note: Includes tack strips.		
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal	4.34	
		Note: Includes tack strips.		
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal	3.43	
		Note: Includes tack strips.		
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal	2.64	
		Note: Includes tack strips.		
02 87 13 33-0070		**Subflooring, Mold Abatement And Disposal** *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	874.28	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.34	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.69	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.82	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.79	
02 87 13 33-0076		**Siding, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0077		**Interior Paneling, Mold Abatement And Disposal** *(02 87 13 33-0076)*		
		Note: Includes detachment of mounted objects before removal.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	881.15	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.35	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.45	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.59	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.97	
02 87 13 33-0083		**Exterior Siding, Mold Abatement And Disposal** *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	881.15	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.89	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.47	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.69	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.31	
02 87 13 33-0089		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0090		**Contaminated Debris, Mold Abatement And Disposal** *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	886.63	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	31.17	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	21.33	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	16.41	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.46	
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	8.10	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.45	
02 87 13 33-0098		**Other Mold Containing Materials, Mold Abatement And Disposal** *(02 87 13 33)*		
02 87 13 33-0099		**Wood Studs, Mold Abatement And Disposal** *(02 87 13 33-0098)* Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	440.57	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.58	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.66	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.08	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.57	
02 87 13 33-0105		**Ceiling Tile, Mold Abatement And Disposal** *(02 87 13 33-0098)* Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	881.15	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.94	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	5.13	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.69	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.63	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.56	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.11	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.71	
02 87 13 33-0114		**Caulking, Mold Abatement And Disposal** *(02 87 13 33-0098)*		
02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	213.87	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.29	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	3.06	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.33	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.72	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.39	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.20	
02 87 13 33-0122		**Wipe Down Walls, Ceilings And Floors** *(02 87 13 33-0098)*		
02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	23.72	
		For >25 To 50, Deduct	*-2.37*	
		For >50 To 200, Deduct	*-5.93*	
		For >200, Deduct	*-9.48*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	27.91	
		For >25 To 50, Deduct	*-2.79*	
		For >50 To 200, Deduct	*-6.98*	
		For >200, Deduct	*-11.16*	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	31.75	
		For >25 To 50, Deduct	*-3.17*	
		For >50 To 200, Deduct	*-7.94*	
		For >200, Deduct	*-12.70*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	25.88	
		For >25 To 50, Deduct	*-2.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	32.84	
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 200, Deduct	*-8.21*	
		For >200, Deduct	*-13.13*	

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	926.69	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	97.84	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	71.97	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	877.28	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	82.55	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	56.68	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	853.69	
		For Work In Restricted Working Space, Add	*256.11*	
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	14.23	
		For Work In Restricted Working Space, Add	*4.27*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.93	
		For Work In Restricted Working Space, Add	*3.88*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.76	
		For Work In Restricted Working Space, Add	*3.53*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.69	
		For Work In Restricted Working Space, Add	*3.21*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	726.31	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	690.00	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	544.74	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	629.47	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,228.67	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	251.16	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.89	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.10	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	208.80	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,470.77	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	208.80	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,107.62	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.67	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.69	

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.66	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.88	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.18	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.77	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.99	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0024		Temporary Floor Protection For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)* Note: Includes removal after use.		
02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.18	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.20	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.59	
02 87 19 00-0028		Temporary Stud Wall For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)* Note: Includes removal after use.		
02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.32	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.18	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.50	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	10.55	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.21	
02 87 19 00-0034		Isolation Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*		
02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) to construct stand-alone tents (floor, walls and ceiling) with airlock.	27.21	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.40	
02 87 19 00-0037		Plexiglass Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*		
02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	23.42	
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	27.40	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	38.22	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,576.47	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	564.81	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	898.55	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	167.44	
02 87 19 00-0045		Temporary Portable And Mobile Trailers *(02 87 19)*		
02 87 19 00-0046		Trailer Delivery *(02 87 19 00-0045)*		
02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,341.37	
02 87 19 00-0048		Portable And Mobile Trailers, Purchase *(02 87 19 00-0045)* Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,767.65	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	19,447.64	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,743.62	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	34,663.91	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	39,408.11	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	41,432.41	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	46,101.54	
		For Tie-Downs, Add	*136.70*	
02 87 19 00-0056		Accessories For Portable And Mobile Trailers *(02 87 19 00-0045)*		
02 87 19 00-0057		Skirting *(02 87 19 00-0056)* Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	5.99	2.44
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	8.82	4.02
02 87 19 00-0060		Aluminum Modular Access Ramp *(02 87 19 00-0056)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	4,033.13	46.69

02 87 19 00-0062 Aluminum Modular Stairs *(02 87 19 00-0056)*

Note: Excludes earthwork

02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,116.13

02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

Note: Includes removal after use.

02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,100.74
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,298.10
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	677.95

02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2 *(02 87 19)*

Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.

02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization *(02 87 19 00-0068)*

02 87 19 00-0070	EA	Mobilization And Set-Up For Bio-Hazard And Infectious Disease Control Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	444.46

02 87 19 00-0071 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces *(02 87 19 00-0068)*

Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces

02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	32.95
		For >25 To 50, Deduct	*-3.29*
		For >50 To 200, Deduct	*-6.59*
		For >200, Deduct	*-9.88*
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*
		For Level 1 Biohazard Cleaning, Deduct	*-6.59*
		For Level 3 Biohazard Cleaning, Add	*10.87*
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	38.75
		For >25 To 50, Deduct	*-3.87*
		For >50 To 200, Deduct	*-7.75*
		For >200, Deduct	*-11.62*
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*
		For Level 1 Biohazard Cleaning, Deduct	*-7.75*
		For Level 3 Biohazard Cleaning, Add	*12.78*
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	44.08
		For >25 To 50, Deduct	*-4.41*
		For >50 To 200, Deduct	*-8.81*
		For >200, Deduct	*-13.22*
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*
		For Level 1 Biohazard Cleaning, Deduct	*-8.81*
		For Level 3 Biohazard Cleaning, Add	*14.54*
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	35.94
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*
		For >5 To 10, Deduct	*-1.80*
		For >10 To 50, Deduct	*-3.59*
		For >50, Deduct	*-7.18*
		For Level 1 Biohazard Cleaning, Deduct	*-7.18*
		For Level 3 Biohazard Cleaning, Add	*11.85*
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	45.61
		For >25 To 50, Deduct	*-4.56*
		For >50 To 200, Deduct	*-9.12*
		For >200, Deduct	*-13.68*
		For Cleaning Surfaces With Goldshield® GS5, Add	*15.37*
		For Level 1 Biohazard Cleaning, Deduct	*-9.12*
		For Level 3 Biohazard Cleaning, Add	*15.04*

02 87 19 00-0077 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials *(02 87 19 00-0068)*

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	85.16
		For Level 1 Biohazard Cleaning, Deduct	*-17.03*
		For Level 3 Biohazard Cleaning, Add	*28.10*
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	39.08
		For Level 1 Biohazard Cleaning, Deduct	*-7.81*
		For Level 3 Biohazard Cleaning, Add	*12.89*
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.12*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	137.18	
		For Level 1 Biohazard Cleaning, Deduct	*-27.43*	
		For Level 3 Biohazard Cleaning, Add	*45.26*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.45	
		For Level 1 Biohazard Cleaning, Deduct	*-1.69*	
		For Level 3 Biohazard Cleaning, Add	*2.78*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.54*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	126.46	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
		For Level 1 Biohazard Cleaning, Deduct	*-25.29*	
		For Level 3 Biohazard Cleaning, Add	*41.73*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.69*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	13.50	
		For Level 1 Biohazard Cleaning, Deduct	*-2.70*	
		For Level 3 Biohazard Cleaning, Add	*4.45*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.54*	

02 87 19 00-0084 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork *(02 87 19 00-0068)*

02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.97	
		For Level 1 Biohazard Cleaning, Deduct	*-0.99*	
		For Level 3 Biohazard Cleaning, Add	*1.63*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	6.24	
		For Level 1 Biohazard Cleaning, Deduct	*-1.24*	
		For Level 3 Biohazard Cleaning, Add	*2.04*	
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	8.36	
		For Level 1 Biohazard Cleaning, Deduct	*-1.65*	
		For Level 3 Biohazard Cleaning, Add	*2.72*	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	11.82	
		For Level 1 Biohazard Cleaning, Deduct	*-2.31*	
		For Level 3 Biohazard Cleaning, Add	*3.82*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	222.25	
		For Level 1 Biohazard Cleaning, Deduct	*-44.45*	
		For Level 3 Biohazard Cleaning, Add	*73.34*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	15.46	
		For Level 1 Biohazard Cleaning, Deduct	*-3.09*	
		For Level 3 Biohazard Cleaning, Add	*5.10*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	148.17	
		For Level 1 Biohazard Cleaning, Deduct	*-29.63*	
		For Level 3 Biohazard Cleaning, Add	*48.89*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	444.48	
		For Level 1 Biohazard Cleaning, Deduct	*-88.89*	
		For Level 3 Biohazard Cleaning, Add	*146.67*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning	37.06	
		Note: Includes removal and reinstallation.		
		For Level 1 Biohazard Cleaning, Deduct	*-7.41*	
		For Level 3 Biohazard Cleaning, Add	*12.22*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.66	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.74	
		For Level 1 Biohazard Cleaning, Deduct	*-0.12*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	102.17
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	435.16
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	1,218.45
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	164.76
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	453.10
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	1,235.73
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	35.65
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	98.05
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	267.40
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	98.30
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	403.72
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	1,219.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup Note: Required if over 800 hours operation.	124.87	
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	351.06	
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	702.11	
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,404.23	
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	468.08	
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	936.15	
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,872.30	
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,034.55	
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,069.11	
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	4,138.22	
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,379.41	
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,758.81	
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	5,517.62	
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,724.26	
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	3,448.51	
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	6,897.03	
02 87 19 00-0125	EA	Set-up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	136.09	
02 87 19 00-0126	EA	Set-up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	272.17	
02 87 19 00-0127	EA	Set-up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	816.51	
02 87 19 00-0128	EA	Set-up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	1,633.03	
02 87 19 00-0129	EA	Set-up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	2,721.70	
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	76.76	
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	211.10	
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	575.73	

02 87 19 00-0133 Bio-Hazard And Infectious Disease Control Hauling By Truck *(02 87 19)*

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	116.81	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.46*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup Note: Each first 15 miles per trip	192.09	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.40*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	198.02	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.48*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	192.02	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.40*	

02 87 19 00-0138 Bio-Hazard And Infectious Disease Control Disposal *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	44.47	

02 87 19 00-0140 BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters *(02 87 19)*

Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.

02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	47,927.96	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,607.47	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,623.52	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	7.13	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,092.50	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	34,272.45	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,194.58	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	53,944.28	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	325.97	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	98.40	

02 87 19 00-0151 Bio-Hazard And Infectious Disease Time And Material Tasks *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0152 Bio-Hazard And Infectious Disease Control Labor *(02 87 19 00-0151)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	114.35	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	169.88	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	104.85	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	126.00	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	138.60	
02 87 19 00-0158		**Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.80	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	19.08	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.37	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	132.79	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	41.24	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	405.13	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	55.38	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	100.61	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	21.39	
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.27	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,707.95	
02 87 19 00-0170		**Bio-Hazard And Infectious Disease Control Expendables** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0043 for temporary walls.		
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	9.20	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.45	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	90.16	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	368.99	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.44	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.91	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.73	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup	80.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup	47.30	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.89	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup	18.46	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup	145.60	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001		**Barriers And Protection** *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		**Isolation Barriers** *(02 89 00 00-0001)* See CSI section 01 56 16 00-0043 for temporary stud walls.		
02 89 00 00-0003		**Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)*		
02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.52	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.69	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.91	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.81	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	1.03	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.34	
02 89 00 00-0010	EA	Up To 36 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	140.67	
02 89 00 00-0011	EA	>36 To 72 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	273.64	
02 89 00 00-0012	EA	>72 To 144 Square Inches, Seal Wall Penetrations With Foam Firestop, Hazmat Containment Construction	536.57	
02 89 00 00-0013	LF	Caulk Seams With Latex, Hazmat Containment Construction	4.65	
02 89 00 00-0014	SF	2 Layers 6 Mil Poly, Protect Carpeted Area, Hazmat Containment Construction	2.01	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0015		**Cleaning Surfaces** *(02 89 00 00-0001)* Note: Other surfaces outside contamination area but not contaminated by, or part of removal.		
02 89 00 00-0016	SF	Up To 100 SF, Clean Non-Asbestos Surface	2.10	
02 89 00 00-0017	SF	>100 To 500 SF, Clean Non-Asbestos Surface	1.48	
02 89 00 00-0018	SF	>500 To 1,000 SF, Clean Non-Asbestos Surface	0.96	
02 89 00 00-0019	SF	>1,000 SF, Clean Non-Asbestos Surface	0.75	
02 89 00 00-0020		**Decontamination Chambers** *(02 89)* Note: Includes cleaning of contaminated materials, removal after use and disposal of plastic barriers. See CSI section 02 89 00 00-0001 for plastic barrier sheets.		
02 89 00 00-0021	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,121.68	
02 89 00 00-0022	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,323.26	
02 89 00 00-0023	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	694.71	
		For Dismantling And Relocation To A Different Area, Add	*458.29*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 10 Right of Way Clearing *(02 90)*

02 90 10 00-0001		**Load And Haul Burnable Right Of Way Debris** *(02 90 10)*		
02 90 10 00-0002	CY	Up To 15 Miles, Load And Haul Vegetative Debris To Designated Area	32.02	
02 90 10 00-0003	CY	>15 To 30 Miles, Load And Haul Vegetative Debris To Designated Area	38.02	
02 90 10 00-0004	CY	>30 To 60 Miles, Load And Haul Vegetative Debris To Designated Area	46.86	
02 90 10 00-0005		**Load And Haul Non-Burnable Right Of Way Debris** *(02 90 10)*		
02 90 10 00-0006	TON	Up To 15 Miles, Load And Haul Non-Vegetative Debris To Designated Area	116.72	
02 90 10 00-0007	TON	>15 To 30 Miles, Load And Haul Non-Vegetative Debris To Designated Area	133.40	
02 90 10 00-0008	TON	>30 To 60 Miles, Load And Haul Non-Vegetative Debris To Designated Area	156.74	
02 90 10 00-0009		**Haul Chipped Debris** *(02 90 10)* Note: Excludes chipping the debris. Debris is chipped and loaded by others typically at a temporary vegetative debris staging site		
02 90 10 00-0010	TON	Up To 15 Miles, Load And Haul Chipped Or Ground Debris To Designated Area	86.25	
02 90 10 00-0011	TON	>15 Miles To 30 Miles, Load And Haul Chipped Or Ground Debris To Designated Area	102.23	
02 90 10 00-0012	TON	>30 Miles To 60 Miles, Load And Haul Chipped Or Ground Debris To Designated Area	134.16	

02 90 20 Vegetation Removal and Maintenance *(02 90)*

02 90 20 00-0001		**Remove And Haul Stumps** *(02 90 20)*		
02 90 20 00-0002	EA	6" To 24" Diameter, Removal And Hauling Of Stumps	400.18	
02 90 20 00-0003	EA	>24" To 48" Diameter, Removal And Hauling Of Stumps	1,133.84	
02 90 20 00-0004	EA	>48" Diameter, Removal And Hauling Of Stumps	1,567.36	
02 90 20 00-0005		**Remove Trees and Place on Right-of-Way** *(02 90 20)*		
02 90 20 00-0006	EA	13" - 24" DBH Tree Removal and Place on Right-of-Way	554.09	
02 90 20 00-0007	EA	>24 - 48" DBH Tree Removal and Place on Right-of-Way	1,754.89	
02 90 20 00-0008	EA	>48 - 72" DBH Tree Removal and Place on Right-of-Way	2,320.97	
02 90 20 00-0009	EA	>72" DBH Tree Removal and Place on Right-of-Way	3,868.30	
02 90 20 00-0010		**Remove Hanging Limbs From Tree** *(02 90 20)*		
02 90 20 00-0011	EA	Removal Of Hanging Limbs From Tree, Per Each Tree	459.09	

02 90 30 Management of Temporary Storage and Reduction Site(s) *(02 90)*

02 90 30 00-0001		**Management Of Temporary Storage And Reduction Site** *(02 90 30)* Note: Includes all equipment and personnel to manage and operate vegetative debris storage and reduction site(s). Sites shall be designated by the Owner.		
02 90 30 00-0002	CY	Management Of Temporary Vegetative Debris Storage And Reduction Site	21.87	

02 90 50 Cleaning and Disaster Cleanup *(02 90)*

02 90 50 00-0001		**Non-Mold Contaminated Wet Material Removal** *(02 90 50)* Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	28.21	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.86	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.69	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.67	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.05	

02 90 50 00-0008 Cleaning *(02 90 50)*

Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required

02 90 50 00-0009 Clean Furnishings *(02 90 50 00-0008)*

02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.68	
		For Medium Clean, Add	*12.05*	
		For Heavy Clean, Add	*37.28*	
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.60	
		For Medium Clean, Add	*0.67*	
		For Heavy Clean, Add	*2.08*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.87	
		For Medium Clean, Add	*1.21*	
		For Heavy Clean, Add	*3.73*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.28	
		For Medium Clean, Add	*3.48*	
		For Heavy Clean, Add	*10.76*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.77	
		For Medium Clean, Add	*11.24*	
		For Heavy Clean, Add	*34.80*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	165.05	
		For Medium Clean, Add	*69.32*	
		For Heavy Clean, Add	*214.57*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.77	
		For Medium Clean, Add	*14.18*	
		For Heavy Clean, Add	*43.90*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.86	
		For Medium Clean, Add	*13.38*	
		For Heavy Clean, Add	*41.42*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.99	
		For Medium Clean, Add	*2.94*	
		For Heavy Clean, Add	*9.09*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.93	
		For Medium Clean, Add	*3.75*	
		For Heavy Clean, Add	*11.61*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.33	
		For Medium Clean, Add	*3.08*	
		For Heavy Clean, Add	*9.53*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.34	
		For Medium Clean, Add	*6.02*	
		For Heavy Clean, Add	*18.64*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.33	
		For Medium Clean, Add	*3.08*	
		For Heavy Clean, Add	*9.53*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.74	
		For Medium Clean, Add	*5.35*	
		For Heavy Clean, Add	*16.56*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.06	
		For Medium Clean, Add	*1.29*	
		For Heavy Clean, Add	*3.98*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.42	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.55*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.42	
		For Medium Clean, Add	*2.28*	
		For Heavy Clean, Add	*7.05*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.14	
		For Medium Clean, Add	*2.58*	
		For Heavy Clean, Add	*7.98*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.56*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.94	
		For Medium Clean, Add	*0.39*	
		For Heavy Clean, Add	*1.22*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	*0.35*	
		For Heavy Clean, Add	*1.08*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.48*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.38*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.27	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.35*	
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.20	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.26*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.27	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.35*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	67.21	
		For Medium Clean, Add	*28.23*	
		For Heavy Clean, Add	*87.37*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	84.01	
		For Medium Clean, Add	*35.28*	
		For Heavy Clean, Add	*109.21*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	100.80	
		For Medium Clean, Add	*42.34*	
		For Heavy Clean, Add	*131.04*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	117.61	
		For Medium Clean, Add	*49.40*	
		For Heavy Clean, Add	*152.89*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.73	
		For Medium Clean, Add	*0.31*	
		For Heavy Clean, Add	*0.95*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.49	
		For Medium Clean, Add	*0.63*	
		For Heavy Clean, Add	*1.94*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.72	
		For Medium Clean, Add	*0.72*	
		For Heavy Clean, Add	*2.24*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.57	
		For Medium Clean, Add	*0.66*	
		For Heavy Clean, Add	*2.04*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.80	
		For Medium Clean, Add	*0.76*	
		For Heavy Clean, Add	*2.34*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.92	
		For Medium Clean, Add	*0.81*	
		For Heavy Clean, Add	*2.50*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.21	
		For Medium Clean, Add	*0.93*	
		For Heavy Clean, Add	*2.87*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.20	
		For Medium Clean, Add	*5.54*	
		For Heavy Clean, Add	*17.16*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	31.11	
		For Medium Clean, Add	*13.07*	
		For Heavy Clean, Add	*40.44*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	26.88	
		For Medium Clean, Add	*11.29*	
		For Heavy Clean, Add	*34.94*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	19.12	
		For Medium Clean, Add	*8.03*	
		For Heavy Clean, Add	*24.86*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.31	
		For Medium Clean, Add	*8.11*	
		For Heavy Clean, Add	*25.10*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	8.86	
		For Medium Clean, Add	*3.72*	
		For Heavy Clean, Add	*11.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0061		**Clean HVAC** *(02 90 50 00-0008)*		
02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.71	
		For Medium Clean, Add	*2.40*	
		For Heavy Clean, Add	*7.42*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.94	
		For Medium Clean, Add	*6.69*	
		For Heavy Clean, Add	*20.72*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	61.18	
		For Medium Clean, Add	*25.70*	
		For Heavy Clean, Add	*79.53*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.73	
		For Medium Clean, Add	*2.41*	
		For Heavy Clean, Add	*7.45*	
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.72	
		For Medium Clean, Add	*16.68*	
		For Heavy Clean, Add	*51.64*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	35.37	
		For Medium Clean, Add	*14.86*	
		For Heavy Clean, Add	*45.98*	
02 90 50 00-0068		**Clean Electrical** *(02 90 50 00-0008)*		
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	23.58	
		For Medium Clean, Add	*9.90*	
		For Heavy Clean, Add	*30.65*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	25.49	
		For Medium Clean, Add	*10.71*	
		For Heavy Clean, Add	*33.14*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	33.14	
		For Medium Clean, Add	*13.92*	
		For Heavy Clean, Add	*43.08*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	23.26	
		For Medium Clean, Add	*9.77*	
		For Heavy Clean, Add	*30.24*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.30	
		For Medium Clean, Add	*6.43*	
		For Heavy Clean, Add	*19.89*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	7.01	
		For Medium Clean, Add	*2.94*	
		For Heavy Clean, Add	*9.11*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.42	
		For Medium Clean, Add	*2.28*	
		For Heavy Clean, Add	*7.05*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.91	
		For Medium Clean, Add	*0.80*	
		For Heavy Clean, Add	*2.48*	
02 90 50 00-0077		**Thermal Fog** *(02 90 50 00-0008)*		
02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	
02 90 50 00-0079		**Contents Manipulation** *(02 90 50)*		
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.25	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.31	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	155.80	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	206.62	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	148.22	
02 90 50 00-0086		**Water Disaster Clean-up** *(02 90 50)*		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.69	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.23	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.52	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.76	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.20	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.67	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.98	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.93	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.36	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.51	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.72	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.53	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.29	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.29	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	
02 90 50 00-0107		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.25	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.59	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.81	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.98	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.97	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.19	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.36	
02 90 50 00-0115		**Minimum Charge For Disaster Cleanup** *(02 90 50)*		
02 90 50 00-0116	EA	Minimum Charge For Disaster Cleaning	1,484.45	
02 90 50 00-0117	EA	Minimum Charge For Disaster Water Extraction	286.15	
02 90 50 00-0118	EA	Minimum Charge For Disaster Carpet Cleaning	200.60	
02 90 50 00-0119		**Document Restoration** *(02 90 50)*		
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	103.60	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	51.79	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.65	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.64	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.55	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.18	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.36	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	310.77	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	41.42	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.16	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.31	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	133.69	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.31	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.31	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.36	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	200.35	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.36	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.36	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.60	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	267.33	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.60	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.60	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.66	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.66	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.66	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	334.10	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.81	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	501.30	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.81	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.81	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.19	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.97	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	103.60	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	145.04	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.19	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.97	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.16	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.36	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	41.42	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.72	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.89	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.83	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.56	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.12	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.21	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.53	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	56.04	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	15.29	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	186.46	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	145.04	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	124.31	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	165.75	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	310.77	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	190.64	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	41.42	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.18	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.36	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	139.01	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	119.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0180	EA	Minimum Charge For Up To 48 CF, Irradiation - Gamma For Document Restoration	3,276.74	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.79	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,380.20	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	230.76	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.36	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.48	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.99	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	33.34	

02 90 55 Emergency Clean-up *(02 90)*

02 90 55 00-0001 Emergency Clean-up *(02 90 55)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0002 Emergency Clean-up Labor *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.88	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	44.00	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	60.50	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	99.00	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	82.50	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	115.50	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	165.00	
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	121.00	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	60.25	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	82.50	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.50	
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.88	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	87.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	105.00	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	94.25	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	68.12	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	66.00	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	54.50	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Cleanup	33.50	

02 90 55 00-0022 Emergency Clean-up Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0023 General Emergency Clean-up Equipment *(02 90 55 00-0022)*

02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	102.17	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	389.75	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,067.09	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.93	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	90.01	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	248.47	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	62.12	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	158.46	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	373.97	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	342.28	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	919.08	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,560.75	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	773.30	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,041.00	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,501.82	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	73.55	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	208.96	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	718.83	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	68.54	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	183.89	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	476.43	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	109.66	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	312.94	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	874.63	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	1,019.75	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	3,059.25	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	9,177.75	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	80.24	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	180.54	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	481.45	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	100.30	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	225.68	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	601.81	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	75.23	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	106.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	292.55	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	819.13	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	130.39	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	443.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	844.21	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	121.22	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	333.35	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	909.15	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	41.79	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	25.08	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	66.87	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	183.89	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	501.51	
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	83.58	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	229.86	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	626.89	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	125.38	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,797.18	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	35.65	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	98.05	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	267.40	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	51.34	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	141.18	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	385.05	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	201.84	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	555.07	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,513.82	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	169.78	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	466.88	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,273.31	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	20.06	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	55.17	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	150.45	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	138.46	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	380.76	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,038.43	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	149.40	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	28.42	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.67	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	31.37	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	42.78	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	117.65	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	320.87	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	75.23	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	206.87	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	564.20	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	178.26	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	100.30	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	142.61	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	213.92	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	142.61	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	108.66	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	41.79	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,783.33	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.37	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	36.78	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	100.30	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	90.34	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	265.80	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	909.77	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	178.14	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	419.90	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,170.62	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	190.86	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	477.15	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,285.14	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.81	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	35.65	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	256.61	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	127.38	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	207.69	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	280.34	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	275.99	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	229.84	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,036.59	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	35.65	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	98.05	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	267.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	121.22	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	333.35	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	909.15	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	30.46	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	83.77	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	228.45	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	309.26	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	51.82	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	128.72	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	325.98	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	118.69	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	317.62	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	886.00	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	35.65	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	98.05	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	267.40	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	105.32	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	210.63	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	421.27	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	842.54	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	264.13	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	528.26	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,056.51	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	351.06	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	702.11	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,404.23	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	401.21	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	802.42	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,604.83	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	468.08	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	936.15	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,872.30	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	252.76	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	695.09	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,895.71	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	76.76	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	211.10	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	575.73	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	41.70	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	41.79	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	114.93	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	313.44	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	805.82	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,216.01	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	6,043.67	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	150.45	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	413.75	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,128.40	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,150.12	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,162.83	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,625.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	950.74	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,614.54	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	7,130.56	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	73.84	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	203.07	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	553.83	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	45.23	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	124.38	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	339.22	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	25.08	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	68.96	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	188.07	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	116.30	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	319.84	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	872.28	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	376.13	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,034.36	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,820.99	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,044.81	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,873.23	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,836.09	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	20.06	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	55.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	150.45	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	585.10	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,609.01	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,388.21	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	41.79	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	114.93	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	313.44	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	346.14	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	951.90	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,596.08	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	164.76	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	453.10	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,235.73	

02 90 55 00-0229 Drying/Dehumidification Equipment *(02 90 55 00-0022)*

02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	178.26	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	490.23	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,336.98	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	60.87	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	167.40	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	456.55	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	101.46	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	279.00	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	760.91	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	221.05	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	607.88	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,657.85	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	142.61	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	392.18	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,069.58	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	169.78	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	466.88	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,273.31	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	196.94	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	541.58	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,477.04	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	210.52	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	578.93	
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,578.91	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	237.68	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	653.63	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,782.64	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	499.14	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,372.63	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,743.54	
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	855.67	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,353.08	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,417.50	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,317.45	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,623.00	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,880.90	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,375.86	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,783.61	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,318.92	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,711.33	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,706.16	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,834.99	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,925.25	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,294.43	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,439.36	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,067.86	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,686.61	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,508.95	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,716.40	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,470.10	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	20,373.00	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,852.22	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,843.60	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	21,391.65	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	677.69	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,863.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,082.66	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	938.34	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,580.43	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,037.53	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	855.67	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,353.08	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,417.50	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,140.89	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,137.44	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,556.66	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,925.25	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,294.43	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,439.36	
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,139.16	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,882.70	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	16,043.74	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	28.52	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	78.44	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	213.92	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	41.79	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	114.93	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	313.44	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,811.79	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,982.42	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	73,588.43	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,290.84	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,184.49	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,130.56	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,673.92	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,964.75	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,475.65	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,645.72	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	10,227.38	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,390.72	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	33.36	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	159.86	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	346.14	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	60.07	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	55.61	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.18	

02 90 55 00-0333 Freight Charges *(02 90 55 00-0022)*

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.09	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.76	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.43	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.80	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.44	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	15.14	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	19.08	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	132.79	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.17	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	6.04	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	32.44	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	40.55	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	41.24	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	45.98	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.15	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	21.39	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.45	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.38	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.81	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.29	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.59	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.70	
02 90 55 00-0360	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	18.27	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.37	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	20.40	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.42	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	7.13	

02 90 55 00-0365 Emergency Clean-up Expendables *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0366 General Materials *(02 90 55 00-0365)*

02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	85.57	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	28.50	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	36.36	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.51	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.85	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	9.20	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.38	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	7.06	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	10.70	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	27.52	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	27.32	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	45.78	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	114.31	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	3.37	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	115.04	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	78.70	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	341.97	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	37.65	
02 90 55 00-0387	GAL	Heavy-Duty Degreaser For Emergency Clean-up	44.80	
02 90 55 00-0388	GAL	De-Foamer Liquid For Emergency Clean-up	49.48	
02 90 55 00-0389	EA	Deodorization Membrane For Emergency Clean-up	95.84	
02 90 55 00-0390	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	147.91	
02 90 55 00-0391	LB	Deodorizing Gel For Emergency Clean-up	34.75	
02 90 55 00-0392	GAL	Deodorizing Liquid For Emergency Clean-up	50.82	
02 90 55 00-0393	PAIL	Deodorizing Block For Emergency Clean-up	8.74	
02 90 55 00-0394	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	90.16	
02 90 55 00-0395	GAL	BruClean Disinfectant For Emergency Clean-up	40.04	
02 90 55 00-0396	GAL	Dryclean For Emergency Clean-up	39.93	
02 90 55 00-0397	GAL	Duct Sealant Spray For Emergency Clean-up	60.18	
02 90 55 00-0398	GAL	Antifungal Duct Sealant For Emergency Clean-up	86.93	
02 90 55 00-0399	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	133.39	
02 90 55 00-0400	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.54	
02 90 55 00-0401	GAL	Encapsulant For Emergency Clean-up	121.10	
02 90 55 00-0402	GAL	Aftershock Fiberlocke For Emergency Clean-up	106.34	
02 90 55 00-0403	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	103.22	
02 90 55 00-0404	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	106.16	
02 90 55 00-0405	ROL	Filter Material For Emergency Clean-up	306.70	
02 90 55 00-0406	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.26	
02 90 55 00-0407	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	655.98	
02 90 55 00-0408	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.15	
02 90 55 00-0409	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	14.01	
02 90 55 00-0410	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	49.89	
02 90 55 00-0411	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	474.46	
02 90 55 00-0412	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.52	
02 90 55 00-0413	GAL	Floor Stripper For Emergency Clean-up	18.72	
02 90 55 00-0414	GAL	Floor Wax For Emergency Clean-up	26.75	
02 90 55 00-0415	GAL	Fogger (Thermal) For Emergency Clean-up	156.88	
02 90 55 00-0416	BOX	Furniture Blocks For Emergency Clean-up	126.36	
02 90 55 00-0417	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	17.03	
02 90 55 00-0418	GAL	Glass Cleaner For Emergency Clean-up	11.35	
02 90 55 00-0419	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.86	
02 90 55 00-0420	EA	Halogen Light Bulbs For Emergency Clean-up	19.10	
02 90 55 00-0421	QT	Hand Sanitizer For Emergency Clean-up	9.44	
02 90 55 00-0422	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.77	
02 90 55 00-0423	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	24.20	
02 90 55 00-0424	GAL	HVAC Coal Cleaner For Emergency Clean-up	70.52	
02 90 55 00-0425	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	170.20	
02 90 55 00-0426	EA	Utility Knives For Emergency Clean-up	14.71	
02 90 55 00-0427	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	146.00	
02 90 55 00-0428	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	154.14	
02 90 55 00-0429	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	306.89	
02 90 55 00-0430	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	443.59	
02 90 55 00-0431	GAL	Lemon Oil For Emergency Clean-up	45.64	
02 90 55 00-0432	GAL	LPS 1/Mecca Lube For Emergency Clean-up	48.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0433	GAL	LPS 2 For Emergency Clean-up	51.43	
02 90 55 00-0434	GAL	LPS Contact Cleaner For Emergency Clean-up	51.19	
02 90 55 00-0435	GAL	Light Lubricant Preserve For Emergency Clean-up	177.67	
02 90 55 00-0436	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.75	
02 90 55 00-0437	GAL	Machinery Cleaning Solvent For Emergency Clean-up	218.49	
02 90 55 00-0438	GAL	Metal Polishing Paste For Emergency Clean-up	32.89	
02 90 55 00-0439	GAL	MediClean® Disinfectant For Emergency Clean-up	54.06	
02 90 55 00-0440	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	66.35	
02 90 55 00-0441	EA	Mop Heads For Emergency Clean-up	8.11	
02 90 55 00-0442	EA	Nylon Scouring Pads For Emergency Clean-up	1.47	
02 90 55 00-0443	GAL	Odor Neutralizer For Emergency Clean-up	45.78	
02 90 55 00-0444	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	88.51	
02 90 55 00-0445	EA	Paint Brushes For Emergency Clean-up	6.69	
02 90 55 00-0446	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	206.41	
02 90 55 00-0447	EA	Putty Knives For Emergency Clean-up	6.06	
02 90 55 00-0448	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	45.04	
02 90 55 00-0449	GAL	Reodorant For Emergency Clean-up	113.68	
02 90 55 00-0450	GAL	Restoracide For Emergency Clean-up	53.32	
02 90 55 00-0451	GAL	Rust Remover For Emergency Clean-up	79.86	
02 90 55 00-0452	EA	Saltesmo Test Samples For Emergency Clean-up	7.42	
02 90 55 00-0453	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.94	
02 90 55 00-0454	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	35.44	
02 90 55 00-0455	EA	Small Scrub Brushes For Emergency Clean-up	16.98	
02 90 55 00-0456	GAL	Clear Soot Sealant For Emergency Clean-up	92.62	
02 90 55 00-0457	GAL	Pigmented Soot Sealant For Emergency Clean-up	249.78	
02 90 55 00-0458	ROL	Shrinkwrap Plastic For Emergency Clean-up	57.50	
02 90 55 00-0459	EA	Dry Sponges For Emergency Clean-up	5.91	
02 90 55 00-0460	EA	Spray Adhesive, Per Can For Emergency Clean-up	6.00	
02 90 55 00-0461	EA	Spray Bot./Trigger For Emergency Clean-up	5.16	
02 90 55 00-0462	GAL	Stain Remover For Emergency Clean-up	41.35	
02 90 55 00-0463	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.30	
02 90 55 00-0464	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.83	
02 90 55 00-0465	LB	Sweeping Compound For Emergency Clean-up	0.72	
02 90 55 00-0466	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.73	
02 90 55 00-0467	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	11.04	
02 90 55 00-0468	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	29.42	
02 90 55 00-0469	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.71	
02 90 55 00-0470	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.85	
02 90 55 00-0471	LB	Terry Towels For Emergency Clean-up	6.89	
02 90 55 00-0472	GAL	Thermal Fog For Emergency Clean-up	93.04	
02 90 55 00-0473	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	36.51	
02 90 55 00-0474	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	88.60	
02 90 55 00-0475	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	113.68	
02 90 55 00-0476	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	145.60	
02 90 55 00-0477	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	48.80	
02 90 55 00-0478	EA	Backpack Vacuum Bags For Emergency Clean-up	1.64	
02 90 55 00-0479	EA	Upright Vacuum Bags For Emergency Clean-up	2.19	
02 90 55 00-0480	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.92	
02 90 55 00-0481	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	47.30	
02 90 55 00-0482	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	128.43	
02 90 55 00-0483	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	175.24	
02 90 55 00-0484	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.97	
02 90 55 00-0485	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	144.24	
02 90 55 00-0486	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.46	
02 90 55 00-0487	EA	Zip Wall Zippers For Emergency Clean-up	21.89	
02 90 55 00-0488	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	35.66	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	53.49	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	56.36	
02 90 55 00-0491	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	92.02	

02 90 55 00-0492 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0493	EA	Brush - Brass For Emergency Clean-up	5.02	
02 90 55 00-0494	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.60	
02 90 55 00-0495	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.34	
02 90 55 00-0496	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.14	
02 90 55 00-0497	EA	Brush - Parts For Emergency Clean-up	6.95	
02 90 55 00-0498	EA	Brush - Plastic For Emergency Clean-up	3.61	
02 90 55 00-0499	EA	Brush - Wire Grout For Emergency Clean-up	9.69	
02 90 55 00-0500	EA	Brushing Tool For Emergency Clean-up	18.69	
02 90 55 00-0501	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0502	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.40	
02 90 55 00-0503	EA	Contact Restorer, Per Can For Emergency Clean-up	30.40	
02 90 55 00-0504	EA	Contact Spray, Per Can For Emergency Clean-up	20.69	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.21	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	9.19	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0507	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.91	
02 90 55 00-0508	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.81	
02 90 55 00-0509	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.30	
02 90 55 00-0510	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.82	
02 90 55 00-0511	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.73	
02 90 55 00-0512	GAL	Electronic Grade Detergent For Emergency Clean-up	41.54	
02 90 55 00-0513	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0514	GAL	Isopropyl Alcohol For Emergency Clean-up	110.07	
02 90 55 00-0515	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	179.14	
02 90 55 00-0516	GAL	PC Board Detergent For Emergency Clean-up	85.88	
02 90 55 00-0517	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	141.18	
02 90 55 00-0518	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	142.24	
02 90 55 00-0519	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	152.04	
02 90 55 00-0520	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.81	
02 90 55 00-0521	EA	Wire Marker Card For Emergency Clean-up	2.34	
02 90 55 00-0522	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.57	

02 90 60 Water Intrusion Elimination *(02 90)*

Note: Includes materials, labor, equipment, mobilization to eliminate water and dispose of wet materials into container as required. All work to be performed in accordance with IICRC section S500.

02 90 60 00-0001 Remove Wet Drywall, Ventilate Drywall *(02 90 60)*

Note: Includes removal and bag of wet drywall and disposal into a University container.

02 90 60 00-0002	EA	Up To 75 SF, Wet Drywall Removal For Water Intrusion Elimination	339.03	
02 90 60 00-0003	SF	>75 SF, Wet Drywall Removal For Water Intrusion Elimination	2.18	
02 90 60 00-0004	LF	Ventilate Drywall or Toe Kick For Water Intrusion Elimination	6.06	

02 90 60 00-0005 Remove Wet Insulation *(02 90 60)*

02 90 60 00-0006	SF	Removal Of Wet Insulation For Water Intrusion Elimination	1.94	
02 90 60 00-0007	SF	Removal Of Contaminated Wet Insulation For Water Intrusion Elimination	2.91	

02 90 60 00-0008 Wet Carpet *(02 90 60)*

02 90 60 00-0009	SF	Extract Water From Carpet (Non-Contaminated, Cat 1) For Water Intrusion Elimination	1.45	
02 90 60 00-0010	SF	Lift Carpet For Drying (Salvaged) For Water Intrusion Elimination	1.31	
02 90 60 00-0011	LF	Cut Carpet And Open Seams For Drying (Salvaged) For Water Intrusion Elimination	4.12	
02 90 60 00-0012	SF	Removal Of Non-Salvage Wet Carpet And Pad (Tack Down) For Water Intrusion Elimination	2.76	
02 90 60 00-0013	SF	Removal Of Non-Salvage Wet Carpet And Pad (Glue Down) For Water Intrusion Elimination	4.12	
02 90 60 00-0014	LF	Removal Of Wet Tack Strip For Water Intrusion Elimination	4.12	
02 90 60 00-0015	SF	Deodorize Carpet For Water Intrusion Elimination	0.78	
02 90 60 00-0016	EA	Up To 24 SF Area Rug, Off-Site Cleaning For Water Intrusion Elimination Note: Includes removal from site, cleaning, and return.	67.21	
02 90 60 00-0017	EA	>24 To 96 SF Area Rug, Off-Site Cleaning For Water Intrusion Elimination Note: Includes removal from site, cleaning, and return.	84.01	
02 90 60 00-0018	EA	>96 To 140 SF Area Rug, Off-Site Cleaning For Water Intrusion Elimination Note: Includes removal from site, cleaning, and return.	100.80	
02 90 60 00-0019	EA	>140 To 216 SF Area Rug, Off-Site Cleaning For Water Intrusion Elimination Note: Includes removal from site, cleaning, and return.	117.61	

02 90 60 00-0020 Wet Floors *(02 90 60)*

02 90 60 00-0021	SF	Removal Of Wet Vinyl Flooring For Water Intrusion Elimination	4.36	
02 90 60 00-0022	SF	Removal Of Wet Wood Flooring For Water Intrusion Elimination	4.50	

02 90 60 00-0023 Baseboard And Cove Molding Removal *(02 90 60)*

02 90 60 00-0024	LF	Removal Of Wet Baseboard For Water Intrusion Elimination	6.06	
02 90 60 00-0025	LF	Removal Of Wet Cove Molding For Water Intrusion Elimination	2.43	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	4.06
		For Up To 100, Add	*3.54*
		For >100 To 250, Add	*0.89*
		For >250 To 500, Add	*0.44*
		For >5,000 To 10,000, Deduct	*-0.09*
		For >10,000, Deduct	*-0.18*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	5.81
		For Up To 100, Add	*7.04*
		For >100 To 250, Add	*1.76*
		For >250 To 500, Add	*0.88*
		For >5,000 To 10,000, Deduct	*-0.18*
		For >10,000, Deduct	*-0.35*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Floor Resurfacing *(03 01 30 71-0001)*

03 01 30 71-0003	SF	1/4" Interior Floor Self-leveling, Colored Cementitious Topping	5.43
03 01 30 71-0004	SF	1/2" Interior Floor Self-leveling, Colored Cementitious Topping	7.44
03 01 30 71-0005	SF	1" Interior Floor Self-leveling, Colored Cementitious Topping	13.79

03 01 30 71-0006 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0007 Decks Or Floors *(03 01 30 71-0006)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0008	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.35
03 01 30 71-0009	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	22.57
03 01 30 71-0010	SF	Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.64
03 01 30 71-0011	CF	Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate	218.51
03 01 30 71-0012	CF	Patch Decks Or Floors With SSI FlexPatch	478.92

03 01 30 71-0013 Verticals Or Overheads *(03 01 30 71-0006)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	11.06
03 01 30 71-0015	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.33
03 01 30 71-0016	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.16
03 01 30 71-0017	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.89
03 01 30 71-0018	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	17.47

03 01 30 71-0019 Circular Piers *(03 01 30 71-0006)*

03 01 30 71-0020	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.87
03 01 30 71-0021	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	23.83

03 01 30 71-0022 Concrete Grinding *(03 01 30 71-0006)*

03 01 30 71-0023	SF	Grinding Cured, Warped, Or Rough Concete Slabs Note: Up to 1/8" of material per pass	1.24

03 01 30 71-0024 Bridge Deck Treatment *(03 01 30 71-0006)*

03 01 30 71-0025	SF	Sweep Bridge Deck	0.02
03 01 30 71-0026	SF	Clean Bridge Deck	0.04
03 01 30 71-0027	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.44

03 01 30 71-0028 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0029 Concrete Patching *(03 01 30 71-0028)*

03 01 30 71-0030 Walls *(03 01 30 71-0029)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0031	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	187.93	
		For Up To 10, Add	*67.48*	
		For >10 To 25, Add	*40.49*	
		For >25 To 50, Add	*26.99*	
		For >50 To 75, Add	*13.50*	
03 01 30 71-0032	BAG	Sika Grout 212, 50 Lb. Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	129.60	
		For Up To 10, Add	*42.73*	
		For >10 To 25, Add	*25.64*	
		For >25 To 50, Add	*17.09*	
		For >50 To 75, Add	*8.55*	
03 01 30 71-0033	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	45.12	
03 01 30 71-0034	BAG	Pea Gravel	33.70	
03 01 30 71-0035		**Spall Concrete Repair** *(03 01 30 71-0001)* Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.		
03 01 30 71-0036	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces	99.08	
		For Up To 100, Add	*70.43*	
		For >100 To 250, Add	*35.21*	
03 01 30 71-0037	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces	114.69	
		For Up To 100, Add	*78.25*	
		For >100 To 250, Add	*39.12*	
03 01 30 71-0038	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces	172.03	
		For Up To 100, Add	*117.38*	
		For >100 To 250, Add	*58.69*	
03 01 30 71-0039	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces	224.16	
		For Up To 100, Add	*152.59*	
		For >100 To 250, Add	*76.29*	
03 01 30 71-0040	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces	70.91	
		For Up To 100, Add	*49.30*	
		For >100 To 250, Add	*24.65*	
03 01 30 71-0041	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces	83.40	
		For Up To 100, Add	*54.78*	
		For >100 To 250, Add	*27.39*	
03 01 30 71-0042	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces	125.08	
		For Up To 100, Add	*82.16*	
		For >100 To 250, Add	*41.08*	
03 01 30 71-0043	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces	163.12	
		For Up To 100, Add	*106.81*	
		For >100 To 250, Add	*53.40*	
03 01 30 71-0044		**Concrete Cleaning** *(03 01 30 71-0001)* See CSI section 09 01 90 52-0002 for pressure washing concrete.		
03 01 30 71-0045	SF	Up To 10 SF, Clean Calcite/Staining On Concrete With Brush	23.46	
03 01 30 71-0046	SF	>10 To 100 SF, Clean Calcite/Staining On Concrete With Brush	16.47	
03 01 30 71-0047	SF	>100 To 500 SF, Clean Calcite/Staining On Concrete With Brush	11.56	
03 01 30 71-0048	SF	>500 To 1,000 SF, Clean Calcite/Staining On Concrete With Brush	8.11	
03 01 30 71-0049	SF	>1,000 To 2,500 SF, Clean Calcite/Staining On Concrete With Brush	5.72	
03 01 30 71-0050	SF	>2,500 SF, Clean Calcite/Staining On Concrete With Brush	4.02	
03 01 30 71-0051		**Crack Repair For Concrete** *(03 01 30 71-0001)*		
03 01 30 71-0052		**Non-Structural Crack Repair For Concrete** *(03 01 30 71-0051)*		
03 01 30 71-0053		**Surface Applied, Non-Structural Crack Repair For Concrete** *(03 01 30 71-0052)* Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0054	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.93	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0055	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	9.06	
		For V-Grooving Crack With Grinder, Add	*5.39*	
03 01 30 71-0056	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	7.07	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0057	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.35	
		For V-Grooving Crack With Grinder, Add	*5.39*	
03 01 30 71-0058	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.61	
		For V-Grooving Crack With Grinder, Add	*5.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0059	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.43	
		For V-Grooving Crack With Grinder, Add	*5.39*	
03 01 30 71-0060	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	8.00	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0061	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	11.21	
		For V-Grooving Crack With Grinder, Add	*5.39*	

03 01 30 71-0062 Pressure Injected, Non-Structural Crack Repair For Concrete *(03 01 30 71-0052)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0063	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	32.04	
		For Cracks Accessible From Both Sides, Add	*6.53*	

03 01 30 71-0064 Structural Crack Repair For Concrete *(03 01 30 71-0051)*

03 01 30 71-0065 Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0064)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.

03 01 30 71-0066	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	8.10	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0067	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.41	
		For V-Grooving Crack With Grinder, Add	*5.39*	
03 01 30 71-0068	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.89	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0069	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	10.99	
		For V-Grooving Crack With Grinder, Add	*5.39*	
03 01 30 71-0070	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.63	
		For V-Grooving Crack With Grinder, Add	*5.53*	
03 01 30 71-0071	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.48	
		For V-Grooving Crack With Grinder, Add	*5.39*	

03 01 30 71-0072 Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0064)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0073	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	27.86	
		For Cracks Accessible From Both Sides, Add	*6.53*	
03 01 30 71-0074	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	27.65	
		For Cracks Accessible From Both Sides, Add	*6.53*	

03 01 30 71-0075 Carbon Fiber Strengthening System *(03 01 30 71-0001)*

Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.

03 01 30 71-0076	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	110.94	
		For >500 To 1,000, Deduct		*-7.34*
		For >1,000 To 2,500, Deduct		*-9.92*
		For >2,500, Deduct		*-12.89*
03 01 30 71-0077	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	99.44	
		For >500 To 1,000, Deduct		*-6.48*
		For >1,000 To 2,500, Deduct		*-8.77*
		For >2,500, Deduct		*-11.45*
03 01 30 71-0078	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	92.98	
		For >500 To 1,000, Deduct		*-6.00*
		For >1,000 To 2,500, Deduct		*-8.12*
		For >2,500, Deduct		*-10.64*
03 01 30 71-0079	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	89.39	
		For >500 To 1,000, Deduct		*-5.73*
		For >1,000 To 2,500, Deduct		*-7.77*
		For >2,500, Deduct		*-10.20*
03 01 30 71-0080	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	84.36	
		For >500 To 1,000, Deduct		*-5.35*
		For >1,000 To 2,500, Deduct		*-7.26*
		For >2,500, Deduct		*-9.57*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0081		Concrete Rehabilitation *(03 01 30 71)*		
03 01 30 71-0082		Corrosive Inhibitor *(03 01 30 71-0081)*		
03 01 30 71-0083	SF	Corrosive Inhibitor	6.36	
03 01 30 71-0084		Remove Cracked Or Damaged Concrete Surfacing Material *(03 01 30 71)*		
03 01 30 71-0085	SF	Removal Of Concrete <3/4" Deep On Vertical Wall Surfaces Note: Excludes patching materials	20.87	
03 01 30 71-0086	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	27.64	
03 01 30 71-0087	SF	Removal Of Concrete >1-1/2" To 3" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	34.43	
03 01 30 71-0088	SF	Removal Of Concrete >3" To 4" Deep On Vertical Wall Surfaces Note: Excludes patching materials.	45.90	
03 01 30 71-0089	SF	Removal Of Concrete <3/4" Deep On Overhead Surfaces Note: Excludes patching materials	41.73	
03 01 30 71-0090	SF	Removal Of Concrete 3/4" To 1-1/2" Deep On Overhead Surfaces Note: Excludes patching materials.	55.30	
03 01 30 71-0091	SF	Removal Of Concrete >1-1/2" To 3" Deep On Overhead Surfaces Note: Excludes patching materials.	68.86	
03 01 30 71-0092	SF	Removal Of Concrete >3" To 4" Deep On Overhead Surfaces Note: Excludes patching materials.	91.81	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		Concrete Surface Repairs *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.43	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

03 05 13 00-0001		Concrete Admixtures *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	7.79	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.39	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	8.39	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	16.78	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	14.98	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	29.97	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.47	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	12.62	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	8.99	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	17.98	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	5.99	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	14.38	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	12.79	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	19.18	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	42.30	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	95.89	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	35.96	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	19.18	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	19.18	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	32.97	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	54.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	105.49	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	146.52	

03 10 Concrete Forming and Accessories *(03)*

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork *(03 11 13)* Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002		Foundation Wood Formwork *(03 11 13 00-0001)* Note: For foundation work below or at grade.		
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	9.91	
		For <1,000, Add	*1.86*	
		For Foundations >8' Below Grade, Add	*1.80*	
		For Curved Formwork, Add	*3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	11.81	
		For <1,000, Add	*2.24*	
		For Foundations >8' Below Grade, Add	*2.17*	
		For Curved Formwork, Add	*4.35*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	13.67	
		For <1,000, Add	*2.62*	
		For Foundations >8' Below Grade, Add	*2.56*	
		For Curved Formwork, Add	*5.13*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	11.41	
		For <1,000, Add	*2.17*	
		For Foundations >8' Below Grade, Add	*2.11*	
		For Curved Formwork, Add	*4.22*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork	16.20	
		Note: Excludes footing		
		For <1,000, Add	*3.07*	
		For Foundations >8' Below Grade, Add	*2.99*	
		For Curved Formwork, Add	*5.97*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.67	
		For Foundations >8' Below Grade, Add	*1.44*	
		For Curved Formwork, Add	*2.88*	
		For Up To 250, Add	*1.47*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	10.96	
		For Foundations >8' Below Grade, Add	*2.00*	
		For Curved Formwork, Add	*4.01*	
		For Up To 250, Add	*2.07*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	14.07	
		For Foundations >8' Below Grade, Add	*2.59*	
		For Curved Formwork, Add	*5.19*	
		For <1,000, Add	*2.67*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	59.15	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	85.97	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	108.11	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	155.31	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	222.93	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	294.73	

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	18.12	
		For Curved Formwork, Add	*6.74*	
		For <1,000, Add	*3.46*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	21.48	
		For Curved Formwork, Add	*8.00*	
		For <1,000, Add	*4.10*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	23.79	
		For Curved Formwork, Add	*8.80*	
		For <1,000, Add	*4.52*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	15.03	
		For Curved Formwork, Add	*5.61*	
		For <1,000, Add	*2.87*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	13.99	
		For <1,000, Add	*2.58*	

03 11 13 00-0027 Metal Framed Formwork *(03 11 13)*

Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0028 Foundation Metal Framed Formwork *(03 11 13 00-0027)*

Note: For foundation work below or at grade.

03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.87	
		For <1,000, Add	*1.77*	
		For Foundations >8' Below Grade, Add	*1.66*	
		For Curved Formwork, Add	*3.33*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.89	
		For <1,000, Add	*1.97*	
		For Foundations >8' Below Grade, Add	*1.86*	
		For Curved Formwork, Add	*3.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	12.28	
		For <1,000, Add	*2.19*	
		For Foundations >8' Below Grade, Add	*2.06*	
		For Curved Formwork, Add	*4.12*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	10.37	
		For <1,000, Add	*1.85*	
		For Foundations >8' Below Grade, Add	*1.73*	
		For Curved Formwork, Add	*3.46*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork	15.63	
		Note: Excludes footing.		
		For <1,000, Add	*2.84*	
		For Foundations >8' Below Grade, Add	*2.70*	
		For Curved Formwork, Add	*5.40*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.69	
		For Foundations >8' Below Grade, Add	*1.29*	
		For Curved Formwork, Add	*2.59*	
		For <250, Add	*1.31*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	8.38	
		For Foundations >8' Below Grade, Add	*1.61*	
		For Curved Formwork, Add	*3.21*	
		For <250, Add	*1.63*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	9.29	
		For Foundations >8' Below Grade, Add	*1.78*	
		For Curved Formwork, Add	*3.55*	
		For <1,000, Add	*1.80*	
03 11 13 00-0038		**Column Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0039		**Square Columns** *(03 11 13 00-0038)*		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	60.78	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	73.69	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	86.64	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	103.39	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	124.69	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	149.97	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	192.57	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	237.87	
03 11 13 00-0048		**Round Columns** *(03 11 13 00-0038)*		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	66.94	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	73.87	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	84.16	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	97.02	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	113.81	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	129.80	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	170.98	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	229.86	
03 11 13 00-0057		**Above Grade Wall Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	9.91	
		For Curved Formwork, Add	*3.11*	
		For <1,000, Add	*1.70*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	12.16	
		For Curved Formwork, Add	*3.76*	
		For <1,000, Add	*2.06*	
03 11 13 00-0060		**Elevated Beam Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.70	
		For Curved Formwork, Add	*2.90*	
		For <1,000, Add	*1.61*	
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.44	
		For Curved Formwork, Add	*2.29*	
		For <1,000, Add	*1.26*	
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	12.84	
		For <1,000, Add	*1.93*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	23.40	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*2.34*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	24.72	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*2.47*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	27.46	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*2.75*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	33.91	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*3.39*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	38.05	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*3.81*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	41.39	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*4.14*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	44.53	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*4.45*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	50.60	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*5.06*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	52.96	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*5.30*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	55.63	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*5.56*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	57.89	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*5.79*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	60.13	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*6.01*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	62.39	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*6.24*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	71.95	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*7.20*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	112.39	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*11.24*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	136.60	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*13.66*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	244.97	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*24.50*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	272.68	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*27.27*	

03 11 13 00-0085 Accessories For Formwork *(03 11 13)*

03 11 13 00-0086 Keyway Forms, All Materials *(03 11 13 00-0085)*

03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.84

03 11 13 00-0088 Chamfer Strips, All Materials *(03 11 13 00-0085)*

03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	3.00
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.47
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	4.01

03 11 13 00-0092 Strip Out Reglets For Concrete Formwork *(03 11 13 00-0085)*

03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	14.60

03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*

03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	16.96
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	20.41
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	24.68
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	27.83
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	35.81
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	76.93

03 11 16 Architectural Cast-In-Place Concrete Forming *(03 11)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 16 13		**Concrete Form Liners** *(03 11 16)*		
03 11 16 13-0001		Concrete Form Liners *(03 11 16 13)*		
03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.73	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	9.11	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	11.99	
03 11 23		**Permanent Stair Forming** *(03 11)*		
03 11 23 00-0001		Stairway Wood Formwork *(03 11 23)*		
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	23.02	
		For Curved Formwork, Add	*8.89*	
		For <1,000, Add	*4.50*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	45.75	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*17.43*	
		For <1,000, Add	*8.86*	
03 11 23 00-0004		Stairway Metal Framed Formwork *(03 11 23)*		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	19.90	
		For Curved Formwork, Add	*7.38*	
		For <1,000, Add	*3.79*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	36.50	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*13.66*	
		For <1,000, Add	*6.99*	
03 15		**Concrete Accessories** *(03 10)*		
03 15 13		**Waterstops** *(03 15)*		
03 15 13 13		**Non-Expanding Waterstops** *(03 15 13)*		
03 15 13 13-0001		Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*		
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.97	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	12.25	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	14.54	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.88	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	23.00	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.60	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	14.65	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	24.96	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	20.07	
03 15 13 13-0011		Rubber Waterstops *(03 15 13 13)*		
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	12.18	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	13.86	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	12.43	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.68	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	14.19	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	17.85	
03 15 13 16		**Expanding Waterstops** *(03 15 13)*		
03 15 13 16-0001		Bentonite Waterstops *(03 15 13 16)*		
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.56	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	14.40	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	16.10	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	18.11	
03 15 16		**Concrete Construction Joints** *(03 15)*		
03 15 16 00-0001		Poured Expansion Joint *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.46	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.78	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.04	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	10.05	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.93	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	10.93	0.96
		For Installation In Walls, Add	*2.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.85	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.74	0.96
		For Installation In Walls, Add	*1.60*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.38	0.96
		For Installation In Walls, Add	*1.80*	
03 15 16 00-0011		**Premolded Expansion Joints** *(03 15 16)*		
03 15 16 00-0012		**Asphalt Saturated Fiber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.10	1.43
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.57	1.50
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.85	1.57
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.15	1.64
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.40	1.43
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.80	1.50
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	4.29	1.57
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.97	1.64
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	3.07	1.36
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.35	1.43
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.68	1.50
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.97	1.57
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.31	1.64
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.79	1.71
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	5.16	1.79
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.80	1.86
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.70	1.50
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	4.27	1.57
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	5.23	1.71
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	9.10	2.35
03 15 16 00-0033		**Cork, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	5.36	1.50
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	6.04	1.64
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	6.57	1.71
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	9.25	1.79
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	9.85	1.86
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	10.86	2.35
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	12.61	2.35
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	13.42	2.35
03 15 16 00-0042		**Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.37	1.50
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.53	1.57
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.72	1.64
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.33	1.71
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.47	1.50
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.64	1.57
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.78	1.64
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	4.16	1.71
03 15 16 00-0051		**Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.41	1.50
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.73	1.57
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	4.15	1.71
03 15 16 00-0055		**Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.42	1.43
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.49	1.43
03 15 16 00-0058		**Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)*		
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.61	1.08
		>1,250, Deduct	*-0.08*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.52	1.08
		>1,250, Deduct	*-0.08*	
03 15 16 00-0061		**Keyed Cold Expansion And Control Joints** *(03 15 16)*		
03 15 16 00-0062		**24 Gauge Galvanized Steel With Stakes** *(03 15 16 00-0061)*		
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.94	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	8.05	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	8.33	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.78	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0068		**Expansion Control Systems** *(03 15 16)*		
03 15 16 00-0069		**Wabo Jeene "FW" Traffic Series Expansion Control System** *(03 15 16 00-0068)* Note: Jeene® is a patented structural sealing joint system comprised of a neoprene profile, which is air-pressurized and bonded in place with a specially formulated epoxy adhesive. Complete adhesion of the epoxy to the profile and joint wall is achieved due to the air inflation during installation.		
03 15 16 00-0070	LF	1" x 1-1/4" Jeene "FW" Expansion Joint System Note: Jeene 25FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	105.67	8.62
03 15 16 00-0071	LF	1-5/8" x 2" Jeene "FW" Expansion Joint System Note: Jeene 40FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	129.75	9.77
03 15 16 00-0072	LF	2" x 2-1/2" Jeene "FW" Expansion Joint System Note: Jeene 50FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	150.10	10.78
03 15 16 00-0073	LF	2-1/2" x 3-1/4" Jeene "FW" Expansion Joint System Note: Jeene 65FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	178.10	11.92
03 15 16 00-0074	LF	3" x 3-3/4" Jeene "FW" Expansion Joint System Note: Jeene 75FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	222.20	13.08
03 15 16 00-0075	LF	3-7/8" x 5" Jeene "FW" Expansion Joint System Note: Jeene 100FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	261.74	14.08
03 15 16 00-0076	LF	5" x 6-1/8" Jeene "FW" Expansion Joint System Note: Jeene 125FW. Includes seal, adhesive and all components required for installation. Excludes surface preparation.	421.03	15.23
03 15 16 00-0077		**Wabo ElastoFlex "EFJ" High Impact Load Expansion Joint System** *(03 15 16 00-0068)* Note: Wabo®ElastoFlex is a watertight continuous membrane system for joints with movements up to four inches in parking decks, loading docks, elevated roadways and other vehicle and forklift traffic. It uses mechanically fastened ethylene propylene diene monomer (EPDM) anchor blocks with molded-in steel inserts to support heavy-duty and high impact loads. The winged flap of the durable elastomeric seal is locked between the anchor block and concrete slab. An epoxy paste bedding adhesive is applied between the winged flap and concrete slab to enhance the product's watertightness. The exposed surfaces are non-metallic and skid resistant while resisting UV deterioration and most chemicals.		
03 15 16 00-0078	LF	1-1/2" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-225 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	195.91	11.43
03 15 16 00-0079	LF	2-1/2" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-400 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	243.55	14.29
03 15 16 00-0080	LF	3-3/4" ElastoFlex "EFJ" Expansion Joint System Note: ElastoFlex EFJ-600 slab to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	305.12	17.14
03 15 16 00-0081	LF	1-1/2" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-225C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	151.99	11.43
03 15 16 00-0082	LF	2-1/2" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-400C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	197.06	14.29
03 15 16 00-0083	LF	3-3/4" ElastoFlex "EFJ-C" Expansion Joint System Note: ElastoFlex EFJ-600C wall to slab. Includes seal, adhesive, epoxy bonded anchors and all components required for installation. Excludes drilling and surface preparation.	261.20	17.14
03 15 16 00-0084		**Emseal Seismic Colorseal Expansion Joint System** *(03 15 16 00-0068)* Note: For high-movement and seismic structural expansion joints, panel joints, window perimeter joints, joints around other penetrations of the building envelope such as store-fronts, curtain walls, EIFS panel joints etc, seal shall be silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system. Seal shall combine factory-applied, 15 Shore-A hardness, low-modulus silicone, and a backing of acrylic-impregnated expanding foam into a unified binary sealant system.		
03 15 16 00-0085	LF	1" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	66.77	5.74
03 15 16 00-0086	LF	1-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	97.18	6.60
03 15 16 00-0087	LF	2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	132.84	7.47
03 15 16 00-0088	LF	2-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	163.75	8.18
03 15 16 00-0089	LF	3" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	200.70	9.05
03 15 16 00-0090	LF	3-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	246.19	9.92
03 15 16 00-0091	LF	4" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	294.31	10.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0092	LF	4-1/2" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	337.69	11.50
03 15 16 00-0093	LF	5" Seismic Colorseal Expansion Joint System Note: Includes seal, adhesive, field applied silicon cornerbeads and all components required for installation. Excludes surface preparation.	383.17	12.36

03 15 16 00-0094 Emseal Thermaflex Watertight Expansion Joint System *(03 15 16 00-0068)*

Note: Thermaflex consists of extruded thermo-plastic Santoprene rubber sealing glands with punched flanges embedded in a high-strength, flexible, impact-absorbing elastomeric concrete nosing. The thermo-plastic Santoprene sealing glands are heat-weldable making transitions through changes in direction and plane not only practical but watertight. The elastomeric concrete is two-part polyurethane reinforced with silica sand and fiberglass.

03 15 16 00-0095	LF	1-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	112.38	8.57
03 15 16 00-0096	LF	2-1/2" Thermaflex TM Expansion Joint System Note: Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	120.83	9.99
03 15 16 00-0097	EA	Thermaflex TM Fittings Expansion Joint System Note: For direction changes, tees and crosses. Includes seal, adhesive, polyurethane elastomeric concrete and all components required for installation. Excludes surface preparation.	561.32	28.56

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.70
		For Galvanized, Add	*3.80*
		For Stainless Steel, Add	*26.57*
		For >10 To 50, Deduct	*-0.41*
		For >50 To 100, Deduct	*-1.00*
		For >100, Deduct	*-2.00*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.41
		For Galvanized, Add	*4.84*
		For Stainless Steel, Add	*33.85*
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.12*
		For >100, Deduct	*-2.23*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.79
		For Galvanized, Add	*6.66*
		For Stainless Steel, Add	*46.62*
		For >10 To 50, Deduct	*-0.47*
		For >50 To 100, Deduct	*-1.28*
		For >100, Deduct	*-2.56*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	26.87
		For Galvanized, Add	*8.70*
		For Stainless Steel, Add	*60.90*
		For >10 To 50, Deduct	*-0.47*
		For >50 To 100, Deduct	*-1.38*
		For >100, Deduct	*-2.76*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	33.56
		For Galvanized, Add	*11.62*
		For Stainless Steel, Add	*81.31*
		For >10 To 50, Deduct	*-0.52*
		For >50 To 100, Deduct	*-1.61*
		For >100, Deduct	*-3.23*
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.91
		For Galvanized, Add	*13.28*
		For Stainless Steel, Add	*92.93*
		For >10 To 50, Deduct	*-0.57*
		For >50 To 100, Deduct	*-1.80*
		For >100, Deduct	*-3.60*

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.72
		For Galvanized, Add	*13.18*
		For Stainless Steel, Add	*92.26*
		For >10 To 50, Deduct	*-0.57*
		For >50 To 100, Deduct	*-1.80*
		For >100, Deduct	*-3.59*
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	43.36
		For Galvanized, Add	*15.37*
		For Stainless Steel, Add	*107.56*
		For >10 To 50, Deduct	*-0.63*
		For >50 To 100, Deduct	*-2.03*
		For >100, Deduct	*-4.06*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	53.57	
		For Galvanized, Add	*19.68*	
		For Stainless Steel, Add	*137.76*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.81*	
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	65.52	
		For Galvanized, Add	*24.80*	
		For Stainless Steel, Add	*173.60*	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-2.83*	
		For >100, Deduct	*-5.66*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.25	
		For Galvanized, Add	*18.02*	
		For Stainless Steel, Add	*126.14*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.64*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	59.39	
		For Galvanized, Add	*21.58*	
		For Stainless Steel, Add	*151.03*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.70*	
		For >100, Deduct	*-5.41*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.46	
		For Galvanized, Add	*28.76*	
		For Stainless Steel, Add	*201.32*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.33*	
		For >100, Deduct	*-6.66*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	62.85	
		For Galvanized, Add	*23.31*	
		For Stainless Steel, Add	*163.14*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-5.58*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	75.03	
		For Galvanized, Add	*28.05*	
		For Stainless Steel, Add	*196.32*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-6.59*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	93.04	
		For Galvanized, Add	*35.16*	
		For Stainless Steel, Add	*246.12*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.03*	
		For >100, Deduct	*-8.06*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	114.32	
		For Galvanized, Add	*42.96*	
		For Stainless Steel, Add	*300.72*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.99*	
		For >100, Deduct	*-9.98*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.09	
		For Galvanized, Add	*29.14*	
		For Stainless Steel, Add	*203.95*	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.48*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	90.91	
		For Galvanized, Add	*35.07*	
		For Stainless Steel, Add	*245.46*	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-3.83*	
		For >100, Deduct	*-7.66*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	112.86	
		For Galvanized, Add	*43.96*	
		For Stainless Steel, Add	*307.69*	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-4.69*	
		For >100, Deduct	*-9.39*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	138.59	
		For Galvanized, Add	*53.70*	
		For Stainless Steel, Add	*375.90*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.80*	
		For >100, Deduct	*-11.61*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.57	
		For Galvanized, Add	*36.42*	
		For Stainless Steel, Add	*254.91*	
		For >10 To 50, Deduct	*-0.99*	
		For >50 To 100, Deduct	*-3.79*	
		For >100, Deduct	*-7.59*	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	110.69	
		For Galvanized, Add	*43.84*	
		For Stainless Steel, Add	*306.85*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-8.99*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	137.55	
		For Galvanized, Add	*54.96*	
		For Stainless Steel, Add	*384.69*	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-5.51*	
		For >100, Deduct	*-11.02*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	168.77	
		For Galvanized, Add	*67.12*	
		For Stainless Steel, Add	*469.81*	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-6.81*	
		For >100, Deduct	*-13.62*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	113.18	
		For Galvanized, Add	*45.52*	
		For Stainless Steel, Add	*318.64*	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-8.98*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	135.41	
		For Galvanized, Add	*54.79*	
		For Stainless Steel, Add	*383.53*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-5.32*	
		For >100, Deduct	*-10.65*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	168.41	
		For Galvanized, Add	*68.71*	
		For Stainless Steel, Add	*480.94*	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-6.54*	
		For >100, Deduct	*-13.07*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	206.54	
		For Galvanized, Add	*83.91*	
		For Stainless Steel, Add	*587.34*	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-8.07*	
		For >100, Deduct	*-16.14*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.78	
		For Galvanized, Add	*10.08*	
		For Stainless Steel, Add	*70.53*	
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.10	
		For Galvanized, Add	*12.45*	
		For Stainless Steel, Add	*87.12*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.04*	
		For >100, Deduct	*-4.09*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.78	
		For Galvanized, Add	*14.27*	
		For Stainless Steel, Add	*99.89*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.68*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.58	
		For Galvanized, Add	*14.82*	
		For Stainless Steel, Add	*103.74*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.27*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.82	
		For Galvanized, Add	*15.55*	
		For Stainless Steel, Add	*108.85*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.20	
		For Galvanized, Add	*12.50*	
		For Stainless Steel, Add	*87.47*	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.09*	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	45.35	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.70*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	52.32	
		For Galvanized, Add	*16.69*	
		For Stainless Steel, Add	*116.83*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.73*	
		For >100, Deduct	*-5.46*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.38	
		For Galvanized, Add	*17.33*	
		For Stainless Steel, Add	*121.31*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	64.82	
		For Galvanized, Add	*18.21*	
		For Stainless Steel, Add	*127.47*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.50*	

03 15 19 00-0048 1" And 1-1/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	48.29	
		For Galvanized, Add	*16.03*	
		For Stainless Steel, Add	*112.18*	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-2.43*	
		For >100, Deduct	*-4.85*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	54.98	
		For Galvanized, Add	*18.02*	
		For Stainless Steel, Add	*126.14*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.59*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.02	
		For Galvanized, Add	*20.15*	
		For Stainless Steel, Add	*141.05*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.28*	
		For >100, Deduct	*-6.56*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	66.90	
		For Galvanized, Add	*21.10*	
		For Stainless Steel, Add	*147.70*	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.05*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	72.59	
		For Galvanized, Add	*22.10*	
		For Stainless Steel, Add	*154.67*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-7.89*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.77	
		For Galvanized, Add	*25.61*	
		For Stainless Steel, Add	*179.24*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-4.44*	
		For >100, Deduct	*-8.87*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.80	
		For Galvanized, Add	*29.97*	
		For Stainless Steel, Add	*209.76*	
		For >10 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-5.29*	
		For >100, Deduct	*-10.57*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.09	
		For Galvanized, Add	*21.08*	
		For Stainless Steel, Add	*147.53*	
		For >10 To 50, Deduct	*-0.95*	
		For >50 To 100, Deduct	*-2.95*	
		For >100, Deduct	*-5.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.90	
		For Galvanized, Add	*23.59*	
		For Stainless Steel, Add	*165.13*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-6.90*	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.06	
		For Galvanized, Add	*24.68*	
		For Stainless Steel, Add	*172.76*	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.41*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	73.69	
		For Galvanized, Add	*25.49*	
		For Stainless Steel, Add	*178.40*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.09*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.05	
		For Galvanized, Add	*29.83*	
		For Stainless Steel, Add	*208.78*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.33*	
		For >100, Deduct	*-8.66*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.47	
		For Galvanized, Add	*33.79*	
		For Stainless Steel, Add	*236.50*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.68*	
		For >100, Deduct	*-9.36*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	107.85	
		For Galvanized, Add	*38.15*	
		For Stainless Steel, Add	*267.02*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-5.06*	
		For >100, Deduct	*-10.13*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	118.49	
		For Galvanized, Add	*41.49*	
		For Stainless Steel, Add	*290.43*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-5.63*	
		For >100, Deduct	*-11.25*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.44	
		For Galvanized, Add	*44.43*	
		For Stainless Steel, Add	*311.01*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.28*	
		For >100, Deduct	*-12.56*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	142.46	
		For Galvanized, Add	*47.56*	
		For Stainless Steel, Add	*332.92*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-7.11*	
		For >100, Deduct	*-14.22*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	161.99	
		For Galvanized, Add	*52.59*	
		For Stainless Steel, Add	*368.10*	
		For >10 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-8.31*	
		For >100, Deduct	*-16.62*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.45	
		For Galvanized, Add	*31.87*	
		For Stainless Steel, Add	*223.06*	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.87*	
		For >100, Deduct	*-7.73*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	102.99	
		For Galvanized, Add	*37.30*	
		For Stainless Steel, Add	*261.07*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-4.70*	
		For >100, Deduct	*-9.41*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.35	
		For Galvanized, Add	*42.23*	
		For Stainless Steel, Add	*295.58*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.10*	
		For >100, Deduct	*-10.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	126.91	
		For Galvanized, Add	*47.68*	
		For Stainless Steel, Add	*333.73*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-5.54*	
		For >100, Deduct	*-11.08*	
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.26	
		For Galvanized, Add	*51.88*	
		For Stainless Steel, Add	*363.13*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-6.14*	
		For >100, Deduct	*-12.29*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.68	
		For Galvanized, Add	*55.55*	
		For Stainless Steel, Add	*388.85*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-6.84*	
		For >100, Deduct	*-13.67*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	167.21	
		For Galvanized, Add	*59.94*	
		For Stainless Steel, Add	*419.55*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-7.73*	
		For >100, Deduct	*-15.46*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	188.30	
		For Galvanized, Add	*65.74*	
		For Stainless Steel, Add	*460.18*	
		For >10 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-8.97*	
		For >100, Deduct	*-17.94*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.17	
		For Galvanized, Add	*44.17*	
		For Stainless Steel, Add	*309.19*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-4.79*	
		For >100, Deduct	*-9.58*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.55	
		For Galvanized, Add	*46.33*	
		For Stainless Steel, Add	*324.28*	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.31*	
		For >100, Deduct	*-10.61*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.36	
		For Galvanized, Add	*50.97*	
		For Stainless Steel, Add	*356.79*	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-5.89*	
		For >100, Deduct	*-11.78*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.89	
		For Galvanized, Add	*55.69*	
		For Stainless Steel, Add	*389.83*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-6.34*	
		For >100, Deduct	*-12.67*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	158.69	
		For Galvanized, Add	*60.41*	
		For Stainless Steel, Add	*422.87*	
		For >10 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-6.81*	
		For >100, Deduct	*-13.62*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	173.63	
		For Galvanized, Add	*64.96*	
		For Stainless Steel, Add	*454.72*	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-7.62*	
		For >100, Deduct	*-15.24*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	192.19	
		For Galvanized, Add	*70.27*	
		For Stainless Steel, Add	*491.89*	
		For >10 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-8.68*	
		For >100, Deduct	*-17.36*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	218.99	
		For Galvanized, Add	*77.93*	
		For Stainless Steel, Add	*545.51*	
		For >10 To 50, Deduct	*-3.16*	
		For >50 To 100, Deduct	*-10.21*	
		For >100, Deduct	*-20.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	161.31	
		For Galvanized, Add	*66.46*	
		For Stainless Steel, Add	*465.19*	
		For >10 To 50, Deduct	*-1.42*	
		For >50 To 100, Deduct	*-6.16*	
		For >100, Deduct	*-12.33*	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	167.36	
		For Galvanized, Add	*67.90*	
		For Stainless Steel, Add	*475.30*	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-6.55*	
		For >100, Deduct	*-13.10*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.40	
		For Galvanized, Add	*68.99*	
		For Stainless Steel, Add	*482.93*	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-6.79*	
		For >100, Deduct	*-13.58*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	194.88	
		For Galvanized, Add	*79.69*	
		For Stainless Steel, Add	*557.80*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-7.54*	
		For >100, Deduct	*-15.07*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	224.55	
		For Galvanized, Add	*91.99*	
		For Stainless Steel, Add	*643.90*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-8.66*	
		For >100, Deduct	*-17.31*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	233.73	
		For Galvanized, Add	*93.20*	
		For Stainless Steel, Add	*652.37*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-9.39*	
		For >100, Deduct	*-18.79*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	258.10	
		For Galvanized, Add	*100.64*	
		For Stainless Steel, Add	*704.48*	
		For >10 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-10.71*	
		For >100, Deduct	*-21.43*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	287.81	
		For Galvanized, Add	*108.40*	
		For Stainless Steel, Add	*758.77*	
		For >10 To 50, Deduct	*-3.55*	
		For >50 To 100, Deduct	*-12.52*	
		For >100, Deduct	*-25.04*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	235.74	
		For Galvanized, Add	*101.16*	
		For Stainless Steel, Add	*708.12*	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-8.40*	
		For >100, Deduct	*-16.80*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	256.60	
		For Galvanized, Add	*109.37*	
		For Stainless Steel, Add	*765.56*	
		For >10 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-9.26*	
		For >100, Deduct	*-18.51*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	282.12	
		For Galvanized, Add	*119.21*	
		For Stainless Steel, Add	*834.44*	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-10.33*	
		For >100, Deduct	*-20.66*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	304.14	
		For Galvanized, Add	*126.25*	
		For Stainless Steel, Add	*883.72*	
		For >10 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-11.48*	
		For >100, Deduct	*-22.95*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	328.13	
		For Galvanized, Add	*135.66*	
		For Stainless Steel, Add	*949.59*	
		For >10 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-12.46*	
		For >100, Deduct	*-24.93*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	352.84	
		For Galvanized, Add	*144.86*	
		For Stainless Steel, Add	*1,013.99*	
		For >10 To 50, Deduct	*-3.16*	
		For >50 To 100, Deduct	*-13.56*	
		For >100, Deduct	*-27.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	392.31	
		For Galvanized, Add	*155.57*	
		For Stainless Steel, Add	*1,088.99*	
		For >10 To 50, Deduct	*-4.06*	
		For >50 To 100, Deduct	*-15.90*	
		For >100, Deduct	*-31.79*	
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	423.23	
		For Galvanized, Add	*171.03*	
		For Stainless Steel, Add	*1,197.21*	
		For >10 To 50, Deduct	*-4.06*	
		For >50 To 100, Deduct	*-16.67*	
		For >100, Deduct	*-33.34*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	474.92	
		For Galvanized, Add	*190.12*	
		For Stainless Steel, Add	*1,330.81*	
		For >10 To 50, Deduct	*-4.73*	
		For >50 To 100, Deduct	*-18.97*	
		For >100, Deduct	*-37.95*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	482.92	
		For Galvanized, Add	*224.75*	
		For Stainless Steel, Add	*1,573.25*	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-14.58*	
		For >100, Deduct	*-29.16*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	507.72	
		For Galvanized, Add	*234.93*	
		For Stainless Steel, Add	*1,644.48*	
		For >10 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-15.53*	
		For >100, Deduct	*-31.07*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	553.24	
		For Galvanized, Add	*254.77*	
		For Stainless Steel, Add	*1,783.36*	
		For >10 To 50, Deduct	*-2.19*	
		For >50 To 100, Deduct	*-17.11*	
		For >100, Deduct	*-34.22*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	588.64	
		For Galvanized, Add	*268.50*	
		For Stainless Steel, Add	*1,879.47*	
		For >10 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-18.59*	
		For >100, Deduct	*-37.18*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	622.59	
		For Galvanized, Add	*282.89*	
		For Stainless Steel, Add	*1,980.20*	
		For >10 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-19.83*	
		For >100, Deduct	*-39.65*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	661.14	
		For Galvanized, Add	*299.01*	
		For Stainless Steel, Add	*2,093.04*	
		For >10 To 50, Deduct	*-3.16*	
		For >50 To 100, Deduct	*-21.26*	
		For >100, Deduct	*-42.53*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	712.18	
		For Galvanized, Add	*315.51*	
		For Stainless Steel, Add	*2,208.54*	
		For >10 To 50, Deduct	*-4.06*	
		For >50 To 100, Deduct	*-23.89*	
		For >100, Deduct	*-47.78*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	544.38	
		For Galvanized, Add	*254.44*	
		For Stainless Steel, Add	*1,781.05*	
		For >10 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-16.27*	
		For >100, Deduct	*-32.55*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	584.92	
		For Galvanized, Add	*272.17*	
		For Stainless Steel, Add	*1,905.19*	
		For >10 To 50, Deduct	*-2.03*	
		For >50 To 100, Deduct	*-17.67*	
		For >100, Deduct	*-35.33*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	627.47	
		For Galvanized, Add	*290.07*	
		For Stainless Steel, Add	*2,030.46*	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-19.24*	
		For >100, Deduct	*-38.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	669.20	
		For Galvanized, Add	*306.19*	
		For Stainless Steel, Add	*2,143.33*	
		For >10 To 50, Deduct	*-2.84*	
		For >50 To 100, Deduct	*-20.99*	
		For >100, Deduct	*-41.98*	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	710.74	
		For Galvanized, Add	*323.81*	
		For Stainless Steel, Add	*2,266.64*	
		For >10 To 50, Deduct	*-3.16*	
		For >50 To 100, Deduct	*-22.50*	
		For >100, Deduct	*-45.01*	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	768.65	
		For Galvanized, Add	*348.82*	
		For Stainless Steel, Add	*2,441.71*	
		For >10 To 50, Deduct	*-3.55*	
		For >50 To 100, Deduct	*-24.54*	
		For >100, Deduct	*-49.09*	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	830.68	
		For Galvanized, Add	*368.00*	
		For Stainless Steel, Add	*2,575.97*	
		For >10 To 50, Deduct	*-4.73*	
		For >50 To 100, Deduct	*-27.87*	
		For >100, Deduct	*-55.74*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Ls./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.05	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.84	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.10	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*1.01*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.02	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.92	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.03	
		For Up To 100, Add	*3.57*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.38	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*1.94*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	8.81	
		For Up To 100, Add	*4.36*	
		For >100 To 200, Add	*2.33*	
		For >200 To 300, Add	*1.17*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.23	
		For Up To 100, Add	*6.14*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.63*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	20.96	
		For Up To 100, Add	*10.68*	
		For >100 To 200, Add	*5.66*	
		For >200 To 300, Add	*2.83*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.12	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.64*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.08	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.27	
		For Up To 100, Add	*3.75*	
		For >100 To 200, Add	*2.15*	
		For >200 To 400, Add	*1.02*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	7.69	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*2.03*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.19	
		For Up To 100, Add	*4.59*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	12.78	
		For Up To 100, Add	*6.47*	
		For >100 To 200, Add	*3.43*	
		For >200 To 300, Add	*1.72*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	21.93	
		For Up To 100, Add	*11.26*	
		For >100 To 200, Add	*5.95*	
		For >200 To 300, Add	*2.97*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.23	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.10	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.03	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.04	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.21	
		For Up To 100, Add	*3.71*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	7.61	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.01*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.09	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	12.64	
		For Up To 100, Add	*6.38*	
		For >100 To 200, Add	*3.39*	
		For >200 To 300, Add	*1.70*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	21.69	
		For Up To 100, Add	*11.12*	
		For >100 To 200, Add	*5.88*	
		For >200 To 300, Add	*2.94*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.45	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.16	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	2.98	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	3.05	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.89	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.53	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	2.28	
		For Up To 100, Add	*1.58*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	3.16	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	4.09	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.35*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*2.93*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	6.26	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*0.99*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	7.65	
		For Up To 100, Add	*3.68*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	9.11	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.39*	
		For >200 To 300, Add	*1.20*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	12.63	
		For Up To 100, Add	*6.26*	
		For >100 To 200, Add	*3.35*	
		For >200 To 300, Add	*1.67*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	21.58	
		For Up To 100, Add	*10.87*	
		For >100 To 200, Add	*5.78*	
		For >200 To 300, Add	*2.89*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	4.24	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.41*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	5.28	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	6.50	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	7.96	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.09*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	9.49	
		For Up To 100, Add	*4.68*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	13.18	
		For Up To 100, Add	*6.59*	
		For >100 To 200, Add	*3.51*	
		For >200 To 300, Add	*1.76*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	22.55	
		For Up To 100, Add	*11.45*	
		For >100 To 200, Add	*6.07*	
		For >200 To 300, Add	*3.04*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.62*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.07*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.34	
		For Up To 100, Add	*1.64*	
		For >100 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.24	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.24*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.40*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.44	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	7.88	
		For Up To 100, Add	*3.82*	
		For >100 To 200, Add	*2.06*	
		For >200 To 300, Add	*1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.39	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.48*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.04	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.47*	
		For >200 To 300, Add	*1.74*	
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	22.31	
		For Up To 100, Add	*11.30*	
		For >100 To 200, Add	*6.00*	
		For >200 To 300, Add	*3.00*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*0.92*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	1.95	
		For Up To 100, Add	*1.41*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.70	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.55*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.81	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.25*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	4.59	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	5.67	
		For Up To 100, Add	*3.45*	
		For >100 To 200, Add	*1.97*	
		For >200 To 400, Add	*0.93*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	6.96	
		For Up To 100, Add	*4.29*	
		For >100 To 200, Add	*2.43*	
		For >200 To 400, Add	*1.16*	
		For Up To 100, Add	*3.48*	
		For >100 To 200, Add	*1.86*	
		For >200 To 300, Add	*0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	8.34	
		For Up To 100, Add	*5.21*	
		For >100 To 200, Add	*2.94*	
		For >200 To 400, Add	*1.41*	
		For Up To 100, Add	*4.22*	
		For >100 To 200, Add	*2.24*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	11.63	
		For Up To 100, Add	*7.36*	
		For >100 To 200, Add	*4.14*	
		For >200 To 400, Add	*1.99*	
		For Up To 100, Add	*5.96*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.57*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	20.00	
		For Up To 100, Add	*12.86*	
		For >100 To 200, Add	*7.20*	
		For >200 To 400, Add	*3.46*	
		For Up To 100, Add	*10.39*	
		For >100 To 200, Add	*5.46*	
		For >200 To 300, Add	*2.73*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.99*	
		For >200 To 400, Add	*0.46*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	3.82	
		For Up To 100, Add	*2.28*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	4.78	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	5.91	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.06*	
		For >200 To 400, Add	*0.98*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.27	
		For Up To 100, Add	*3.66*	
		For >100 To 200, Add	*1.95*	
		For >200 To 300, Add	*0.97*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	8.72	
		For Up To 100, Add	*4.45*	
		For >100 To 200, Add	*2.35*	
		For >200 To 300, Add	*1.18*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	12.18	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	20.97	
		For Up To 100, Add	*10.97*	
		For >100 To 200, Add	*5.76*	
		For >200 To 300, Add	*2.88*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.80	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.37	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.54*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.89	
		For Up To 100, Add	*2.18*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.78*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	5.85	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.19	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*1.92*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	8.62	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.32*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.04	
		For Up To 100, Add	*6.20*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	20.73	
		For Up To 100, Add	*10.83*	
		For >100 To 200, Add	*5.68*	
		For >200 To 300, Add	*2.84*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.23	
		For Up To 100, Add	*0.88*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.55	
		For Up To 100, Add	*1.88*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.96*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.46*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.23*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.49	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.55*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.41*	
		For >100 To 200, Add	*1.94*	
		For >200 To 400, Add	*0.92*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.83	
		For Up To 100, Add	*3.44*	
		For >100 To 200, Add	*1.83*	
		For >200 To 300, Add	*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.19	
		For Up To 100, Add	*4.17*	
		For >100 To 200, Add	*2.21*	
		For >200 To 300, Add	*1.11*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	11.42	
		For Up To 100, Add	*5.90*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.55*	
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	19.69	
		For Up To 100, Add	*10.30*	
		For >100 To 200, Add	*5.40*	
		For >200 To 300, Add	*2.70*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.83	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.61*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.68	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	5.79	
		For Up To 100, Add	*3.59*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.14	
		For Up To 100, Add	*3.62*	
		For >100 To 200, Add	*1.92*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	8.57	
		For Up To 100, Add	*4.40*	
		For >100 To 200, Add	*2.32*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	11.97	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	20.66	
		For Up To 100, Add	*10.88*	
		For >100 To 200, Add	*5.69*	
		For >200 To 300, Add	*2.85*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.34	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.52*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.81	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.27*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.64	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	5.73	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*2.01*	
		For >200 To 400, Add	*0.96*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.06	
		For Up To 100, Add	*3.58*	
		For >100 To 200, Add	*1.90*	
		For >200 To 300, Add	*0.95*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	8.47	
		For Up To 100, Add	*4.34*	
		For >100 To 200, Add	*2.29*	
		For >200 To 300, Add	*1.15*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	11.83	
		For Up To 100, Add	*6.14*	
		For >100 To 200, Add	*3.23*	
		For >200 To 300, Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	20.42	
		For Up To 100, Add	*10.74*	
		For >100 To 200, Add	*5.62*	
		For >200 To 300, Add	*2.81*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.10*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.15	
		For Up To 100, Add	*0.84*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.18	
		For Up To 100, Add	*0.87*	
		For >100 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.79	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.23	
		For Up To 100, Add	*0.92*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.59	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.41	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.18*	
		For >200 To 400, Add	*0.56*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.28	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.50*	
		For >200 To 400, Add	*0.72*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.32	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.90*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.56	
		For Up To 100, Add	*3.36*	
		For >100 To 200, Add	*1.78*	
		For >200 To 300, Add	*0.89*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	7.88	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.15*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.03	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*3.03*	
		For >200 To 300, Add	*1.51*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	19.06	
		For Up To 100, Add	*10.11*	
		For >100 To 200, Add	*5.28*	
		For >200 To 300, Add	*2.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.24*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.47	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.56	
		For Up To 100, Add	*3.51*	
		For >100 To 200, Add	*1.98*	
		For >200 To 400, Add	*0.95*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.87	
		For Up To 100, Add	*3.54*	
		For >100 To 200, Add	*1.87*	
		For >200 To 300, Add	*0.93*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.26	
		For Up To 100, Add	*4.31*	
		For >100 To 200, Add	*2.26*	
		For >200 To 300, Add	*1.13*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	11.58	
		For Up To 100, Add	*6.11*	
		For >100 To 200, Add	*3.19*	
		For >200 To 300, Add	*1.60*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	20.03	
		For Up To 100, Add	*10.69*	
		For >100 To 200, Add	*5.57*	
		For >200 To 300, Add	*2.78*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.26	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.52	
		For Up To 100, Add	*2.16*	
		For >100 To 200, Add	*1.23*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.43	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.75*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*3.46*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.93*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.79	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.84*	
		For >200 To 300, Add	*0.92*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.16	
		For Up To 100, Add	*4.25*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	11.44	
		For Up To 100, Add	*6.02*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	19.79	
		For Up To 100, Add	*10.55*	
		For >100 To 200, Add	*5.50*	
		For >200 To 300, Add	*2.75*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.65	
		For Up To 100, Add	*0.48*	
		For >100 To 200, Add	*0.25*	
		For >200 To 500, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.11	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.68	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.34	
		For Up To 100, Add	*1.80*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.67	
		For Up To 100, Add	*0.50*	
		For >100 To 200, Add	*0.26*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.14	
		For Up To 100, Add	*0.86*	
		For >100 To 200, Add	*0.45*	
		For >200 To 500, Add	*0.18*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.69	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.19	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.52	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	3.31	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.16*	
		For >200 To 400, Add	*0.55*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	4.19	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.71*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	5.21	
		For Up To 100, Add	*3.29*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.89*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*3.32*	
		For >100 To 200, Add	*1.75*	
		For >200 To 300, Add	*0.87*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	7.73	
		For Up To 100, Add	*4.04*	
		For >100 To 200, Add	*2.12*	
		For >200 To 300, Add	*1.06*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	10.83	
		For Up To 100, Add	*5.72*	
		For >100 To 200, Add	*2.99*	
		For >200 To 300, Add	*1.49*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	18.75	
		For Up To 100, Add	*10.02*	
		For >100 To 200, Add	*5.21*	
		For >200 To 300, Add	*2.61*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.22*	
		For >200 To 400, Add	*0.58*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	4.38	
		For Up To 100, Add	*2.76*	
		For >100 To 200, Add	*1.55*	
		For >200 To 400, Add	*0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	5.45	
		For Up To 100, Add	*3.47*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.94*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	6.73	
		For Up To 100, Add	*3.50*	
		For >100 To 200, Add	*1.84*	
		For >200 To 300, Add	*0.92*	
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	8.11	
		For Up To 100, Add	*4.26*	
		For >100 To 200, Add	*2.23*	
		For >200 To 300, Add	*1.12*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	11.38	
		For Up To 100, Add	*6.05*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	19.72	
		For Up To 100, Add	*10.60*	
		For >100 To 200, Add	*5.51*	
		For >200 To 300, Add	*2.75*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.71	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.22	
		For Up To 100, Add	*0.94*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.60	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.42	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.20*	
		For >200 To 400, Add	*0.57*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.34	
		For Up To 100, Add	*2.73*	
		For >100 To 200, Add	*1.54*	
		For >200 To 400, Add	*0.74*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.39	
		For Up To 100, Add	*3.42*	
		For >100 To 200, Add	*1.92*	
		For >200 To 400, Add	*0.92*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	6.65	
		For Up To 100, Add	*3.45*	
		For >100 To 200, Add	*1.82*	
		For >200 To 300, Add	*0.91*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.01	
		For Up To 100, Add	*4.20*	
		For >100 To 200, Add	*2.20*	
		For >200 To 300, Add	*1.10*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	11.24	
		For Up To 100, Add	*5.96*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.56*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	19.48	
		For Up To 100, Add	*10.46*	
		For >100 To 200, Add	*5.43*	
		For >200 To 300, Add	*2.72*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	277.93

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	151.23

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.65
		For Up To 12" Length, Deduct	*-0.46*
		For >12" To <24" Length, Deduct	*-0.23*
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	4.37
		For Up To 12" Length, Deduct	*-0.60*
		For >12" To <24" Length, Deduct	*-0.30*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	5.39	
		For Up To 12" Length, Deduct	*-0.95*	
		For >12" To <24" Length, Deduct	*-0.48*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.62	
		For Up To 12" Length, Deduct	*-1.38*	
		For >12" To <24" Length, Deduct	*-0.69*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	7.88	
		For Up To 12" Length, Deduct	*-1.92*	
		For >12" To <24" Length, Deduct	*-0.96*	
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	9.95	
		For Up To 12" Length, Deduct	*-2.46*	
		For >12" To <24" Length, Deduct	*-1.23*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	11.75	
		For Up To 12" Length, Deduct	*-3.03*	
		For >12" To <24" Length, Deduct	*-1.51*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	14.46	
		For Up To 12" Length, Deduct	*-3.96*	
		For >12" To <24" Length, Deduct	*-1.98*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	17.22	
		For Up To 12" Length, Deduct	*-4.89*	
		For >12" To <24" Length, Deduct	*-2.44*	

03 21 11 00-0250 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

03 21 11 00-0251	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	33.85
03 21 11 00-0252	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	35.34

03 21 11 00-0253 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0254	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,604.26	
		For Grade 75, Add	*127.56*	
03 21 11 00-0255	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,558.58	
		For Grade 75, Add	*127.56*	
03 21 11 00-0256	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,523.74	
		For Grade 75, Add	*127.56*	
03 21 11 00-0257	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,466.75	
		For Grade 75, Add	*127.56*	
03 21 11 00-0258	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,389.69	
		For Grade 75, Add	*127.56*	
03 21 11 00-0259	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,355.30	
		For Grade 75, Add	*130.70*	
03 21 11 00-0260	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,290.78	
		For Grade 75, Add	*130.70*	

03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0261)*

03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	70.87
03 21 11 00-0264	EA	>#6 Reinforcing Steel Lap-Weld Splice	113.72

03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	38.29
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	59.65
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	90.23

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.70	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*2.73*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*1.98*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.64	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	4.92	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.20	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	7.69	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.72*	
		For >200 To 400, Add	*1.30*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	9.49	
		For Up To 100, Add	*4.87*	
		For >100 To 200, Add	*2.57*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	11.41	
		For Up To 100, Add	*5.92*	
		For >100 To 200, Add	*3.11*	
		For >200 To 300, Add	*1.56*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	15.98	
		For Up To 100, Add	*8.39*	
		For >100 To 200, Add	*4.39*	
		For >200 To 300, Add	*2.20*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	27.61	
		For Up To 100, Add	*14.67*	
		For >100 To 200, Add	*7.65*	
		For >200 To 300, Add	*3.83*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*3.02*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.07	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.39	
		For Up To 100, Add	*3.98*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.08*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	7.94	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.82*	
		For >200 To 400, Add	*1.35*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	9.79	
		For Up To 100, Add	*5.05*	
		For >100 To 200, Add	*2.66*	
		For >200 To 300, Add	*1.33*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	11.79	
		For Up To 100, Add	*6.15*	
		For >100 To 200, Add	*3.23*	
		For >200 To 300, Add	*1.61*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	16.52	
		For Up To 100, Add	*8.71*	
		For >100 To 200, Add	*4.56*	
		For >200 To 300, Add	*2.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	28.59	
		For Up To 100, Add	*15.26*	
		For >100 To 200, Add	*7.95*	
		For >200 To 300, Add	*3.97*	
03 21 13 00-0029		**Columns, Galvanized Steel Reinforcement Bar** *(03 21 13)*		
		Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.78	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.71	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.72	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.37*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.79	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.09	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.40	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.23*	
		For >200 To 400, Add	*1.06*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	7.92	
		For Up To 100, Add	*4.90*	
		For >100 To 200, Add	*2.78*	
		For >200 To 400, Add	*1.32*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	9.76	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.63*	
		For >200 To 300, Add	*1.31*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	11.71	
		For Up To 100, Add	*6.01*	
		For >100 To 200, Add	*3.17*	
		For >200 To 300, Add	*1.59*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	16.38	
		For Up To 100, Add	*8.51*	
		For >100 To 200, Add	*4.47*	
		For >200 To 300, Add	*2.24*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	28.23	
		For Up To 100, Add	*14.86*	
		For >100 To 200, Add	*7.78*	
		For >200 To 300, Add	*3.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.00	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.86*	
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.59	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.30*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.17	
		For Up To 100, Add	*5.09*	
		For >100 To 200, Add	*2.88*	
		For >200 To 400, Add	*1.37*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.06	
		For Up To 100, Add	*5.13*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.09	
		For Up To 100, Add	*6.24*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	16.92	
		For Up To 100, Add	*8.83*	
		For >100 To 200, Add	*4.64*	
		For >200 To 300, Add	*2.32*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	29.21	
		For Up To 100, Add	*15.44*	
		For >100 To 200, Add	*8.07*	
		For >200 To 300, Add	*4.03*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.62	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.54	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.65*	
		For >200 To 400, Add	*0.79*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.90	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.33	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.63*	
		For >200 To 400, Add	*1.27*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.07	
		For Up To 100, Add	*4.74*	
		For >100 To 200, Add	*2.49*	
		For >200 To 300, Add	*1.24*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	10.94	
		For Up To 100, Add	*5.78*	
		For >100 To 200, Add	*3.02*	
		For >200 To 300, Add	*1.51*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	15.38	
		For Up To 100, Add	*8.21*	
		For >100 To 200, Add	*4.27*	
		For >200 To 300, Add	*2.14*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	26.65	
		For Up To 100, Add	*14.38*	
		For >100 To 200, Add	*7.46*	
		For >200 To 300, Add	*3.73*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.65	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.82	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.09	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.58	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.73*	
		For >200 To 400, Add	*1.32*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	9.37	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.58*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	11.32	
		For Up To 100, Add	*6.01*	
		For >100 To 200, Add	*3.13*	
		For >200 To 300, Add	*1.57*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	15.92	
		For Up To 100, Add	*8.53*	
		For >100 To 200, Add	*4.44*	
		For >200 To 300, Add	*2.22*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	27.63	
		For Up To 100, Add	*14.97*	
		For >100 To 200, Add	*7.75*	
		For >200 To 300, Add	*3.88*	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.85*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.61*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.40	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.68*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.64	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.59	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.63*	
		For >200 To 400, Add	*0.78*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.80	
		For Up To 100, Add	*3.70*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.21	
		For Up To 100, Add	*4.65*	
		For >100 To 200, Add	*2.60*	
		For >200 To 400, Add	*1.25*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.94	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.46*	
		For >200 To 300, Add	*1.23*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	10.79	
		For Up To 100, Add	*5.73*	
		For >100 To 200, Add	*2.99*	
		For >200 To 300, Add	*1.50*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	15.17	
		For Up To 100, Add	*8.15*	
		For >100 To 200, Add	*4.23*	
		For >200 To 300, Add	*2.12*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	26.34	
		For Up To 100, Add	*14.29*	
		For >100 To 200, Add	*7.40*	
		For >200 To 300, Add	*3.70*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.81*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.15*	
		For >200 To 400, Add	*1.04*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.46	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.70*	
		For >200 To 400, Add	*1.30*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.24	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.55*	
		For >200 To 300, Add	*1.28*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.17	
		For Up To 100, Add	*5.96*	
		For >100 To 200, Add	*3.10*	
		For >200 To 300, Add	*1.55*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	15.71	
		For Up To 100, Add	*8.47*	
		For >100 To 200, Add	*4.39*	
		For >200 To 300, Add	*2.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	27.32	
		For Up To 100, Add	*14.88*	
		For >100 To 200, Add	*7.69*	
		For >200 To 300, Add	*3.85*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.17*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.25	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.14	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.87	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.51	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.30	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.21	
		For Up To 100, Add	*2.63*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.55*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.37	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.32	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.41	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.76*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.59	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.98*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.98	
		For Up To 100, Add	*4.57*	
		For >100 To 200, Add	*2.54*	
		For >200 To 400, Add	*1.23*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.67	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.20*	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.48	
		For Up To 100, Add	*5.64*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	14.78	
		For Up To 100, Add	*8.03*	
		For >100 To 200, Add	*4.15*	
		For >200 To 300, Add	*2.08*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	25.71	
		For Up To 100, Add	*14.10*	
		For >100 To 200, Add	*7.27*	
		For >200 To 300, Add	*3.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.85*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.56	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.78	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.02*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.23	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.64*	
		For >200 To 400, Add	*1.28*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	8.97	
		For Up To 100, Add	*4.80*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	10.86	
		For Up To 100, Add	*5.87*	
		For >100 To 200, Add	*3.04*	
		For >200 To 300, Add	*1.52*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.32	
		For Up To 100, Add	*8.35*	
		For >100 To 200, Add	*4.32*	
		For >200 To 300, Add	*2.16*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	26.69	
		For Up To 100, Add	*14.69*	
		For >100 To 200, Add	*7.57*	
		For >200 To 300, Add	*3.78*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.16*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.19	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.07	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.52*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.85	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.47	
		For Up To 100, Add	*1.19*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.24	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.14	
		For Up To 100, Add	*2.60*	
		For >100 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.54*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.24*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.31	
		For Up To 100, Add	*1.90*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.39*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.25	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.31	
		For Up To 100, Add	*2.79*	
		For >100 To 200, Add	*1.56*	
		For >200 To 400, Add	*0.75*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.50	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*2.00*	
		For >200 To 400, Add	*0.97*	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.87	
		For Up To 100, Add	*4.53*	
		For >100 To 200, Add	*2.52*	
		For >200 To 400, Add	*1.22*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	8.53	
		For Up To 100, Add	*4.58*	
		For >100 To 200, Add	*2.38*	
		For >200 To 300, Add	*1.19*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.33	
		For Up To 100, Add	*5.60*	
		For >100 To 200, Add	*2.90*	
		For >200 To 300, Add	*1.45*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	14.58	
		For Up To 100, Add	*7.97*	
		For >100 To 200, Add	*4.11*	
		For >200 To 300, Add	*2.06*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	25.40	
		For Up To 100, Add	*14.01*	
		For >100 To 200, Add	*7.21*	
		For >200 To 300, Add	*3.60*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.46	
		For Up To 100, Add	*2.90*	
		For >100 To 200, Add	*1.62*	
		For >200 To 400, Add	*0.78*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.69	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.01*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.12	
		For Up To 100, Add	*4.72*	
		For >100 To 200, Add	*2.62*	
		For >200 To 400, Add	*1.27*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.83	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	10.71	
		For Up To 100, Add	*5.82*	
		For >100 To 200, Add	*3.01*	
		For >200 To 300, Add	*1.51*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	15.12	
		For Up To 100, Add	*8.29*	
		For >100 To 200, Add	*4.28*	
		For >200 To 300, Add	*2.14*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	26.38	
		For Up To 100, Add	*14.60*	
		For >100 To 200, Add	*7.50*	
		For >200 To 300, Add	*3.75*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.66	
		For Up To 100, Add	*1.22*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.50	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.65*	
		For >100 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.69	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.55	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*2.72*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.02	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.63	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.81	
		For Up To 100, Add	*2.92*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.06	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.51	
		For Up To 100, Add	*4.68*	
		For >100 To 200, Add	*2.65*	
		For >200 To 400, Add	*1.27*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.26	
		For Up To 100, Add	*4.73*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.13	
		For Up To 100, Add	*5.75*	
		For >100 To 200, Add	*3.03*	
		For >200 To 300, Add	*1.52*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	15.57	
		For Up To 100, Add	*8.14*	
		For >100 To 200, Add	*4.27*	
		For >200 To 300, Add	*2.14*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	26.89	
		For Up To 100, Add	*14.24*	
		For >100 To 200, Add	*7.44*	
		For >200 To 300, Add	*3.72*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.82*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.25	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.76	
		For Up To 100, Add	*4.87*	
		For >100 To 200, Add	*2.75*	
		For >200 To 400, Add	*1.32*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.57	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.60*	
		For >200 To 300, Add	*1.30*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.51	
		For Up To 100, Add	*5.98*	
		For >100 To 200, Add	*3.14*	
		For >200 To 300, Add	*1.57*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.12	
		For Up To 100, Add	*8.47*	
		For >100 To 200, Add	*4.44*	
		For >200 To 300, Add	*2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	27.86	
		For Up To 100, Add	*14.82*	
		For >100 To 200, Add	*7.73*	
		For >200 To 300, Add	*3.86*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*1.91*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.77	
		For Up To 100, Add	*1.28*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.04*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.81	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.98	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.81*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.26	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.17*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	7.74	
		For Up To 100, Add	*4.77*	
		For >100 To 200, Add	*2.71*	
		For >200 To 400, Add	*1.29*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	9.53	
		For Up To 100, Add	*4.81*	
		For >100 To 200, Add	*2.56*	
		For >200 To 300, Add	*1.28*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	11.43	
		For Up To 100, Add	*5.84*	
		For >100 To 200, Add	*3.09*	
		For >200 To 300, Add	*1.55*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	15.97	
		For Up To 100, Add	*8.26*	
		For >100 To 200, Add	*4.35*	
		For >200 To 300, Add	*2.18*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	27.51	
		For Up To 100, Add	*14.42*	
		For >100 To 200, Add	*7.56*	
		For >200 To 300, Add	*3.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.92	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.13	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.45	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	7.99	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.81*	
		For >200 To 400, Add	*1.34*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	9.84	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.33*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	11.81	
		For Up To 100, Add	*6.07*	
		For >100 To 200, Add	*3.20*	
		For >200 To 300, Add	*1.60*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	16.52	
		For Up To 100, Add	*8.59*	
		For >100 To 200, Add	*4.52*	
		For >200 To 300, Add	*2.26*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	28.48	
		For Up To 100, Add	*15.01*	
		For >100 To 200, Add	*7.85*	
		For >200 To 300, Add	*3.93*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.67*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.18*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.95*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.57*	
		For >100 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.58	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.40	
		For Up To 100, Add	*1.86*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.64*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.26*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.56	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.60*	
		For >200 To 400, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	5.76	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.05*	
		For >200 To 400, Add	*0.98*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.15	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.56*	
		For >200 To 400, Add	*1.23*	
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	8.84	
		For Up To 100, Add	*4.61*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	10.66	
		For Up To 100, Add	*5.61*	
		For >100 To 200, Add	*2.94*	
		For >200 To 300, Add	*1.47*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	14.97	
		For Up To 100, Add	*7.96*	
		For >100 To 200, Add	*4.15*	
		For >200 To 300, Add	*2.08*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	25.93	
		For Up To 100, Add	*13.95*	
		For >100 To 200, Add	*7.24*	
		For >200 To 300, Add	*3.62*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	4.71	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.95	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.12*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.40	
		For Up To 100, Add	*4.75*	
		For >100 To 200, Add	*2.66*	
		For >200 To 400, Add	*1.28*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.15	
		For Up To 100, Add	*4.79*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.04	
		For Up To 100, Add	*5.84*	
		For >100 To 200, Add	*3.05*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	15.52	
		For Up To 100, Add	*8.29*	
		For >100 To 200, Add	*4.32*	
		For >200 To 300, Add	*2.16*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	26.90	
		For Up To 100, Add	*14.53*	
		For >100 To 200, Add	*7.53*	
		For >200 To 300, Add	*3.77*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.17*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.29	
		For Up To 100, Add	*1.79*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.37*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.20	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.32*	
		For >200 To 500, Add	*0.53*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.68*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.55	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.34	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.27	
		For Up To 100, Add	*2.60*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.92*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.41*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.48	
		For Up To 100, Add	*2.80*	
		For >100 To 200, Add	*1.58*	
		For >200 To 400, Add	*0.76*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.66	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.97*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.03	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.53*	
		For >200 To 400, Add	*1.22*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	8.71	
		For Up To 100, Add	*4.57*	
		For >100 To 200, Add	*2.39*	
		For >200 To 300, Add	*1.20*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.51	
		For Up To 100, Add	*5.57*	
		For >100 To 200, Add	*2.91*	
		For >200 To 300, Add	*1.45*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	14.76	
		For Up To 100, Add	*7.90*	
		For >100 To 200, Add	*4.11*	
		For >200 To 300, Add	*2.05*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	25.62	
		For Up To 100, Add	*13.86*	
		For >100 To 200, Add	*7.18*	
		For >200 To 300, Add	*3.59*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.49	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.63	
		For Up To 100, Add	*2.92*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	5.85	
		For Up To 100, Add	*3.74*	
		For >100 To 200, Add	*2.10*	
		For >200 To 400, Add	*1.01*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.28	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.63*	
		For >200 To 400, Add	*1.27*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.02	
		For Up To 100, Add	*4.75*	
		For >100 To 200, Add	*2.49*	
		For >200 To 300, Add	*1.24*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	10.89	
		For Up To 100, Add	*5.79*	
		For >100 To 200, Add	*3.02*	
		For >200 To 300, Add	*1.51*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.31	
		For Up To 100, Add	*8.23*	
		For >100 To 200, Add	*4.27*	
		For >200 To 300, Add	*2.14*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	26.59	
		For Up To 100, Add	*14.44*	
		For >100 To 200, Add	*7.47*	
		For >200 To 300, Add	*3.74*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0113		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*			
		Note: ASTM A-775 Epoxy Coated Steel.			
03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		0.83	
		For Up To 100, Add		*0.64*	
		For >100 To 200, Add		*0.34*	
		For >200 To 500, Add		*0.14*	
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		1.44	
		For Up To 100, Add		*1.13*	
		For >100 To 200, Add		*0.59*	
		For >200 To 500, Add		*0.24*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		2.19	
		For Up To 100, Add		*1.75*	
		For >100 To 200, Add		*0.91*	
		For >200 To 500, Add		*0.36*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		3.06	
		For Up To 100, Add		*2.48*	
		For >100 To 200, Add		*1.29*	
		For >200 To 500, Add		*0.52*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		0.85	
		For Up To 100, Add		*0.66*	
		For >100 To 200, Add		*0.35*	
		For >200 To 500, Add		*0.14*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		1.47	
		For Up To 100, Add		*1.16*	
		For >100 To 200, Add		*0.61*	
		For >200 To 500, Add		*0.24*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		2.24	
		For Up To 100, Add		*1.80*	
		For >100 To 200, Add		*0.94*	
		For >200 To 500, Add		*0.37*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		3.13	
		For Up To 100, Add		*2.55*	
		For >100 To 200, Add		*1.32*	
		For >200 To 500, Add		*0.53*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		0.88	
		For Up To 100, Add		*0.69*	
		For >100 To 200, Add		*0.36*	
		For >200 To 500, Add		*0.15*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		1.52	
		For Up To 100, Add		*1.21*	
		For >100 To 200, Add		*0.63*	
		For >200 To 500, Add		*0.25*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		2.32	
		For Up To 100, Add		*1.88*	
		For >100 To 200, Add		*0.98*	
		For >200 To 500, Add		*0.39*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		3.24	
		For Up To 100, Add		*2.66*	
		For >100 To 200, Add		*1.38*	
		For >200 To 500, Add		*0.55*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		4.30	
		For Up To 100, Add		*2.74*	
		For >100 To 200, Add		*1.54*	
		For >200 To 400, Add		*0.74*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		5.45	
		For Up To 100, Add		*3.52*	
		For >100 To 200, Add		*1.97*	
		For >200 To 400, Add		*0.95*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		6.80	
		For Up To 100, Add		*4.44*	
		For >100 To 200, Add		*2.47*	
		For >200 To 400, Add		*1.19*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		8.44	
		For Up To 100, Add		*4.49*	
		For >100 To 200, Add		*2.34*	
		For >200 To 300, Add		*1.17*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		10.20	
		For Up To 100, Add		*5.47*	
		For >100 To 200, Add		*2.84*	
		For >200 To 300, Add		*1.42*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		14.37	
		For Up To 100, Add		*7.78*	
		For >100 To 200, Add		*4.03*	
		For >200 To 300, Add		*2.02*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		24.99	
		For Up To 100, Add		*13.67*	
		For >100 To 200, Add		*7.06*	
		For >200 To 300, Add		*3.53*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		3.35	
		For Up To 100, Add		*2.77*	
		For >100 To 200, Add		*1.43*	
		For >200 To 500, Add		*0.57*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar		4.45	
		For Up To 100, Add		*2.85*	
		For >100 To 200, Add		*1.60*	
		For >200 To 400, Add		*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.64	
		For Up To 100, Add	*3.67*	
		For >100 To 200, Add	*2.04*	
		For >200 To 400, Add	*0.99*	
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.05	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.57*	
		For >200 To 400, Add	*1.24*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	8.75	
		For Up To 100, Add	*4.67*	
		For >100 To 200, Add	*2.43*	
		For >200 To 300, Add	*1.22*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.58	
		For Up To 100, Add	*5.70*	
		For >100 To 200, Add	*2.96*	
		For >200 To 300, Add	*1.48*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	14.92	
		For Up To 100, Add	*8.11*	
		For >100 To 200, Add	*4.20*	
		For >200 To 300, Add	*2.10*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	25.96	
		For Up To 100, Add	*14.25*	
		For >100 To 200, Add	*7.35*	
		For >200 To 300, Add	*3.67*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.23*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.13	
		For Up To 100, Add	*1.72*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.99	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.66*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.43	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.18	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.37*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.06	
		For Up To 100, Add	*2.52*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.52*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.20*	
		For >100 To 200, Add	*0.62*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.85*	
		For >100 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.38*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.17	
		For Up To 100, Add	*2.63*	
		For >100 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.54*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*2.71*	
		For >100 To 200, Add	*1.51*	
		For >200 To 400, Add	*0.73*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*3.49*	
		For >100 To 200, Add	*1.95*	
		For >200 To 400, Add	*0.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	6.69	
		For Up To 100, Add	*4.40*	
		For >100 To 200, Add	*2.44*	
		For >200 To 400, Add	*1.18*	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.30	
		For Up To 100, Add	*4.44*	
		For >100 To 200, Add	*2.31*	
		For >200 To 300, Add	*1.16*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	10.05	
		For Up To 100, Add	*5.43*	
		For >100 To 200, Add	*2.81*	
		For >200 To 300, Add	*1.41*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	14.17	
		For Up To 100, Add	*7.72*	
		For >100 To 200, Add	*3.99*	
		For >200 To 300, Add	*2.00*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	24.68	
		For Up To 100, Add	*13.58*	
		For >100 To 200, Add	*6.99*	
		For >200 To 300, Add	*3.50*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.28	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.35	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.57*	
		For >200 To 400, Add	*0.76*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.63*	
		For >100 To 200, Add	*2.02*	
		For >200 To 400, Add	*0.98*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	6.94	
		For Up To 100, Add	*4.59*	
		For >100 To 200, Add	*2.54*	
		For >200 To 400, Add	*1.23*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	8.61	
		For Up To 100, Add	*4.63*	
		For >100 To 200, Add	*2.40*	
		For >200 To 300, Add	*1.20*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	10.43	
		For Up To 100, Add	*5.66*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	14.72	
		For Up To 100, Add	*8.05*	
		For >100 To 200, Add	*4.16*	
		For >200 To 300, Add	*2.08*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	25.65	
		For Up To 100, Add	*14.16*	
		For >100 To 200, Add	*7.28*	
		For >200 To 300, Add	*3.64*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete, 05 05 19 00-0181 for chemical adhesive.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	6.02	
		For Up To 12" Length, Deduct	*-0.64*	
		For >12" To <24" Length, Deduct	*-0.32*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.15	
		For Up To 12" Length, Deduct	*-0.97*	
		For >12" To <24" Length, Deduct	*-0.49*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.91	
		For Up To 12" Length, Deduct	*-1.45*	
		For >12" To <24" Length, Deduct	*-0.72*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.09	
		For Up To 12" Length, Deduct	*-1.92*	
		For >12" To <24" Length, Deduct	*-0.96*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	13.41	
		For Up To 12" Length, Deduct	*-2.62*	
		For >12" To <24" Length, Deduct	*-1.31*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	15.63	
		For Up To 12" Length, Deduct	*-3.22*	
		For >12" To <24" Length, Deduct	*-1.61*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	18.48	
		For Up To 12" Length, Deduct	*-3.90*	
		For >12" To <24" Length, Deduct	*-1.95*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	22.25	
		For Up To 12" Length, Deduct	*-4.73*	
		For >12" To <24" Length, Deduct	*-2.36*	

03 21 16 00-0178 Epoxy Coated Deformed Straight Dowel Assemblies *(03 21 16)*

Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0179	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	59.94	
03 21 16 00-0180	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	67.57	
03 21 16 00-0181	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	75.64	
03 21 16 00-0182	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	88.27	
03 21 16 00-0183	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	96.08	
03 21 16 00-0184	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel Assembly Note: Includes horizontal drilling in concrete to 12" depth, placement of epoxy in hole, and rebar	115.04	

03 21 19 Stainless Steel Reinforcement Bars *(03 21)*

03 21 19 00-0001 Beams And Girders, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0002	LF	#3, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.63*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 19 00-0003	LF	#4, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 19 00-0004	LF	#5, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	5.10	
		For Up To 100, Add	*4.47*	
		For >100 To 200, Add	*2.29*	
		For >200 To 500, Add	*0.92*	
03 21 19 00-0005	LF	#6, Grade 40, Beams And Girders, Stainless Steel Reinforcement Bar	7.18	
		For Up To 100, Add	*6.34*	
		For >100 To 200, Add	*3.24*	
		For >200 To 500, Add	*1.30*	
03 21 19 00-0006	LF	#3, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	2.08	
		For Up To 100, Add	*1.81*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 19 00-0007	LF	#4, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*3.26*	
		For >100 To 200, Add	*1.67*	
		For >200 To 500, Add	*0.67*	
03 21 19 00-0008	LF	#5, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	5.63	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.55*	
		For >200 To 500, Add	*1.02*	
03 21 19 00-0009	LF	#6, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	7.94	
		For Up To 100, Add	*7.10*	
		For >100 To 200, Add	*3.62*	
		For >200 To 500, Add	*1.45*	
03 21 19 00-0010	LF	#7, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	10.63	
		For Up To 100, Add	*7.28*	
		For >100 To 200, Add	*3.99*	
		For >200 To 400, Add	*1.95*	
03 21 19 00-0011	LF	#8, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	13.75	
		For Up To 100, Add	*9.50*	
		For >100 To 200, Add	*5.20*	
		For >200 To 400, Add	*2.55*	
03 21 19 00-0012	LF	#9, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	17.25	
		For Up To 100, Add	*11.99*	
		For >100 To 200, Add	*6.54*	
		For >200 To 400, Add	*3.21*	
03 21 19 00-0013	LF	#10, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	21.60	
		For Up To 100, Add	*12.14*	
		For >100 To 200, Add	*6.21*	
		For >200 To 300, Add	*3.10*	
03 21 19 00-0014	LF	#11, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	26.24	
		For Up To 100, Add	*14.82*	
		For >100 To 200, Add	*7.56*	
		For >200 To 300, Add	*3.78*	
03 21 19 00-0015	LF	#14, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	37.39	
		For Up To 100, Add	*21.23*	
		For >100 To 200, Add	*10.82*	
		For >200 To 300, Add	*5.41*	
03 21 19 00-0016	LF	#18, Grade 60, Beams And Girders, Stainless Steel Reinforcement Bar	65.66	
		For Up To 100, Add	*37.50*	
		For >100 To 200, Add	*19.07*	
		For >200 To 300, Add	*9.53*	
03 21 19 00-0017	LF	#6, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	8.31	
		For Up To 100, Add	*7.47*	
		For >100 To 200, Add	*3.81*	
		For >200 To 500, Add	*1.52*	
03 21 19 00-0018	LF	#7, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	11.14	
		For Up To 100, Add	*7.67*	
		For >100 To 200, Add	*4.20*	
		For >200 To 400, Add	*2.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0019	LF	#8, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	14.43	
		For Up To 100, Add	*10.01*	
		For >100 To 200, Add	*5.47*	
		For >200 To 400, Add	*2.68*	
03 21 19 00-0020	LF	#9, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	18.11	
		For Up To 100, Add	*12.63*	
		For >100 To 200, Add	*6.89*	
		For >200 To 400, Add	*3.39*	
03 21 19 00-0021	LF	#10, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	22.69	
		For Up To 100, Add	*12.79*	
		For >100 To 200, Add	*6.53*	
		For >200 To 300, Add	*3.27*	
03 21 19 00-0022	LF	#11, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	27.57	
		For Up To 100, Add	*15.62*	
		For >100 To 200, Add	*7.96*	
		For >200 To 300, Add	*3.98*	
03 21 19 00-0023	LF	#14, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	39.31	
		For Up To 100, Add	*22.39*	
		For >100 To 200, Add	*11.39*	
		For >200 To 300, Add	*5.70*	
03 21 19 00-0024	LF	#18, Grade 75, Beams And Girders, Stainless Steel Reinforcement Bar	69.08	
		For Up To 100, Add	*39.55*	
		For >100 To 200, Add	*20.09*	
		For >200 To 300, Add	*10.05*	

03 21 19 00-0025 Columns, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0026	LF	#3, Grade 40, Columns, Stainless Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.34*	
03 21 19 00-0027	LF	#4, Grade 40, Columns, Stainless Steel Reinforcement Bar	3.43	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.61*	
03 21 19 00-0028	LF	#5, Grade 40, Columns, Stainless Steel Reinforcement Bar	5.21	
		For Up To 100, Add	*4.51*	
		For >100 To 200, Add	*2.32*	
		For >200 To 500, Add	*0.93*	
03 21 19 00-0029	LF	#6, Grade 40, Columns, Stainless Steel Reinforcement Bar	7.32	
		For Up To 100, Add	*6.40*	
		For >100 To 200, Add	*3.28*	
		For >200 To 500, Add	*1.31*	
03 21 19 00-0030	LF	#3, Grade 60, Columns, Stainless Steel Reinforcement Bar	2.12	
		For Up To 100, Add	*1.83*	
		For >100 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
03 21 19 00-0031	LF	#4, Grade 60, Columns, Stainless Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*3.29*	
		For >100 To 200, Add	*1.69*	
		For >200 To 500, Add	*0.68*	
03 21 19 00-0032	LF	#5, Grade 60, Columns, Stainless Steel Reinforcement Bar	5.74	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.58*	
		For >200 To 500, Add	*1.03*	
03 21 19 00-0033	LF	#6, Grade 60, Columns, Stainless Steel Reinforcement Bar	8.08	
		For Up To 100, Add	*7.16*	
		For >100 To 200, Add	*3.66*	
		For >200 To 500, Add	*1.46*	
03 21 19 00-0034	LF	#7, Grade 60, Columns, Stainless Steel Reinforcement Bar	10.80	
		For Up To 100, Add	*7.34*	
		For >100 To 200, Add	*4.04*	
		For >200 To 400, Add	*1.97*	
03 21 19 00-0035	LF	#8, Grade 60, Columns, Stainless Steel Reinforcement Bar	13.95	
		For Up To 100, Add	*9.57*	
		For >100 To 200, Add	*5.25*	
		For >200 To 400, Add	*2.57*	
03 21 19 00-0036	LF	#9, Grade 60, Columns, Stainless Steel Reinforcement Bar	17.48	
		For Up To 100, Add	*12.07*	
		For >100 To 200, Add	*6.60*	
		For >200 To 400, Add	*3.24*	
03 21 19 00-0037	LF	#10, Grade 60, Columns, Stainless Steel Reinforcement Bar	21.87	
		For Up To 100, Add	*12.22*	
		For >100 To 200, Add	*6.26*	
		For >200 To 300, Add	*3.13*	
03 21 19 00-0038	LF	#11, Grade 60, Columns, Stainless Steel Reinforcement Bar	26.54	
		For Up To 100, Add	*14.91*	
		For >100 To 200, Add	*7.62*	
		For >200 To 300, Add	*3.81*	
03 21 19 00-0039	LF	#14, Grade 60, Columns, Stainless Steel Reinforcement Bar	37.79	
		For Up To 100, Add	*21.35*	
		For >100 To 200, Add	*10.90*	
		For >200 To 300, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0040	LF	#18, Grade 60, Columns, Stainless Steel Reinforcement Bar	66.28	
		For Up To 100, Add	*37.69*	
		For >100 To 200, Add	*19.19*	
		For >200 To 300, Add	*9.60*	
03 21 19 00-0041	LF	#6, Grade 75, Columns, Stainless Steel Reinforcement Bar	8.45	
		For Up To 100, Add	*7.53*	
		For >100 To 200, Add	*3.84*	
		For >200 To 500, Add	*1.54*	
03 21 19 00-0042	LF	#7, Grade 75, Columns, Stainless Steel Reinforcement Bar	11.31	
		For Up To 100, Add	*7.73*	
		For >100 To 200, Add	*4.24*	
		For >200 To 400, Add	*2.07*	
03 21 19 00-0043	LF	#8, Grade 75, Columns, Stainless Steel Reinforcement Bar	14.63	
		For Up To 100, Add	*10.08*	
		For >100 To 200, Add	*5.52*	
		For >200 To 400, Add	*2.70*	
03 21 19 00-0044	LF	#9, Grade 75, Columns, Stainless Steel Reinforcement Bar	18.34	
		For Up To 100, Add	*12.72*	
		For >100 To 200, Add	*6.95*	
		For >200 To 400, Add	*3.41*	
03 21 19 00-0045	LF	#10, Grade 75, Columns, Stainless Steel Reinforcement Bar	22.96	
		For Up To 100, Add	*12.87*	
		For >100 To 200, Add	*6.59*	
		For >200 To 300, Add	*3.29*	
03 21 19 00-0046	LF	#11, Grade 75, Columns, Stainless Steel Reinforcement Bar	27.87	
		For Up To 100, Add	*15.71*	
		For >100 To 200, Add	*8.02*	
		For >200 To 300, Add	*4.01*	
03 21 19 00-0047	LF	#14, Grade 75, Columns, Stainless Steel Reinforcement Bar	39.71	
		For Up To 100, Add	*22.51*	
		For >100 To 200, Add	*11.47*	
		For >200 To 300, Add	*5.74*	
03 21 19 00-0048	LF	#18, Grade 75, Columns, Stainless Steel Reinforcement Bar	69.70	
		For Up To 100, Add	*39.74*	
		For >100 To 200, Add	*20.22*	
		For >200 To 300, Add	*10.11*	

03 21 19 00-0049 Footings, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0050	LF	#3, Grade 40, Footings, Stainless Steel Reinforcement Bar	1.83	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 19 00-0051	LF	#4, Grade 40, Footings, Stainless Steel Reinforcement Bar	3.24	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 19 00-0052	LF	#5, Grade 40, Footings, Stainless Steel Reinforcement Bar	4.95	
		For Up To 100, Add	*4.41*	
		For >100 To 200, Add	*2.25*	
		For >200 To 500, Add	*0.90*	
03 21 19 00-0053	LF	#6, Grade 40, Footings, Stainless Steel Reinforcement Bar	6.97	
		For Up To 100, Add	*6.26*	
		For >100 To 200, Add	*3.19*	
		For >200 To 500, Add	*1.28*	
03 21 19 00-0054	LF	#3, Grade 60, Footings, Stainless Steel Reinforcement Bar	2.01	
		For Up To 100, Add	*1.78*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 19 00-0055	LF	#4, Grade 60, Footings, Stainless Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*3.22*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.66*	
03 21 19 00-0056	LF	#5, Grade 60, Footings, Stainless Steel Reinforcement Bar	5.48	
		For Up To 100, Add	*4.94*	
		For >100 To 200, Add	*2.52*	
		For >200 To 500, Add	*1.01*	
03 21 19 00-0057	LF	#6, Grade 60, Footings, Stainless Steel Reinforcement Bar	7.73	
		For Up To 100, Add	*7.02*	
		For >100 To 200, Add	*3.57*	
		For >200 To 500, Add	*1.43*	
03 21 19 00-0058	LF	#7, Grade 60, Footings, Stainless Steel Reinforcement Bar	10.38	
		For Up To 100, Add	*7.20*	
		For >100 To 200, Add	*3.93*	
		For >200 To 400, Add	*1.93*	
03 21 19 00-0059	LF	#8, Grade 60, Footings, Stainless Steel Reinforcement Bar	13.45	
		For Up To 100, Add	*9.40*	
		For >100 To 200, Add	*5.12*	
		For >200 To 400, Add	*2.52*	
03 21 19 00-0060	LF	#9, Grade 60, Footings, Stainless Steel Reinforcement Bar	16.89	
		For Up To 100, Add	*11.86*	
		For >100 To 200, Add	*6.45*	
		For >200 To 400, Add	*3.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0061	LF	#10, Grade 60, Footings, Stainless Steel Reinforcement Bar	21.18	
		For Up To 100, Add	*12.01*	
		For >100 To 200, Add	*6.12*	
		For >200 To 300, Add	*3.06*	
03 21 19 00-0062	LF	#11, Grade 60, Footings, Stainless Steel Reinforcement Bar	25.77	
		For Up To 100, Add	*14.68*	
		For >100 To 200, Add	*7.47*	
		For >200 To 300, Add	*3.73*	
03 21 19 00-0063	LF	#14, Grade 60, Footings, Stainless Steel Reinforcement Bar	36.79	
		For Up To 100, Add	*21.05*	
		For >100 To 200, Add	*10.70*	
		For >200 To 300, Add	*5.35*	
03 21 19 00-0064	LF	#18, Grade 60, Footings, Stainless Steel Reinforcement Bar	64.70	
		For Up To 100, Add	*37.21*	
		For >100 To 200, Add	*18.87*	
		For >200 To 300, Add	*9.44*	
03 21 19 00-0065	LF	#6, Grade 75, Footings, Stainless Steel Reinforcement Bar	8.10	
		For Up To 100, Add	*7.39*	
		For >100 To 200, Add	*3.75*	
		For >200 To 500, Add	*1.50*	
03 21 19 00-0066	LF	#7, Grade 75, Footings, Stainless Steel Reinforcement Bar	10.89	
		For Up To 100, Add	*7.58*	
		For >100 To 200, Add	*4.14*	
		For >200 To 400, Add	*2.03*	
03 21 19 00-0067	LF	#8, Grade 75, Footings, Stainless Steel Reinforcement Bar	14.13	
		For Up To 100, Add	*9.91*	
		For >100 To 200, Add	*5.39*	
		For >200 To 400, Add	*2.65*	
03 21 19 00-0068	LF	#9, Grade 75, Footings, Stainless Steel Reinforcement Bar	17.75	
		For Up To 100, Add	*12.51*	
		For >100 To 200, Add	*6.80*	
		For >200 To 400, Add	*3.35*	
03 21 19 00-0069	LF	#10, Grade 75, Footings, Stainless Steel Reinforcement Bar	22.27	
		For Up To 100, Add	*12.66*	
		For >100 To 200, Add	*6.45*	
		For >200 To 300, Add	*3.22*	
03 21 19 00-0070	LF	#11, Grade 75, Footings, Stainless Steel Reinforcement Bar	27.10	
		For Up To 100, Add	*15.47*	
		For >100 To 200, Add	*7.87*	
		For >200 To 300, Add	*3.93*	
03 21 19 00-0071	LF	#14, Grade 75, Footings, Stainless Steel Reinforcement Bar	38.71	
		For Up To 100, Add	*22.21*	
		For >100 To 200, Add	*11.27*	
		For >200 To 300, Add	*5.64*	
03 21 19 00-0072	LF	#18, Grade 75, Footings, Stainless Steel Reinforcement Bar	68.12	
		For Up To 100, Add	*39.26*	
		For >100 To 200, Add	*19.90*	
		For >200 To 300, Add	*9.95*	

03 21 19 00-0073 Slab On Grade, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0074	LF	#3, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 19 00-0075	LF	#4, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	3.21	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 19 00-0076	LF	#5, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	4.89	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.24*	
		For >200 To 500, Add	*0.89*	
03 21 19 00-0077	LF	#6, Grade 40, Slab On Grade, Stainless Steel Reinforcement Bar	6.89	
		For Up To 100, Add	*6.22*	
		For >100 To 200, Add	*3.17*	
		For >200 To 500, Add	*1.27*	
03 21 19 00-0078	LF	#3, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	1.99	
		For Up To 100, Add	*1.77*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 19 00-0079	LF	#4, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	3.56	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 19 00-0080	LF	#5, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	5.42	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.50*	
		For >200 To 500, Add	*1.00*	
03 21 19 00-0081	LF	#6, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	7.65	
		For Up To 100, Add	*6.98*	
		For >100 To 200, Add	*3.55*	
		For >200 To 500, Add	*1.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0082	LF	#7, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	10.30	
		For Up To 100, Add	*7.17*	
		For >100 To 200, Add	*3.91*	
		For >200 To 400, Add	*1.92*	
03 21 19 00-0083	LF	#8, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	13.35	
		For Up To 100, Add	*9.36*	
		For >100 To 200, Add	*5.10*	
		For >200 To 400, Add	*2.51*	
03 21 19 00-0084	LF	#9, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	16.77	
		For Up To 100, Add	*11.82*	
		For >100 To 200, Add	*6.42*	
		For >200 To 400, Add	*3.17*	
03 21 19 00-0085	LF	#10, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	21.05	
		For Up To 100, Add	*11.97*	
		For >100 To 200, Add	*6.10*	
		For >200 To 300, Add	*3.05*	
03 21 19 00-0086	LF	#11, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	25.62	
		For Up To 100, Add	*14.63*	
		For >100 To 200, Add	*7.44*	
		For >200 To 300, Add	*3.72*	
03 21 19 00-0087	LF	#14, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	36.58	
		For Up To 100, Add	*20.99*	
		For >100 To 200, Add	*10.66*	
		For >200 To 300, Add	*5.33*	
03 21 19 00-0088	LF	#18, Grade 60, Slab On Grade, Stainless Steel Reinforcement Bar	64.39	
		For Up To 100, Add	*37.12*	
		For >100 To 200, Add	*18.81*	
		For >200 To 300, Add	*9.41*	
03 21 19 00-0089	LF	#6, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	8.02	
		For Up To 100, Add	*7.35*	
		For >100 To 200, Add	*3.73*	
		For >200 To 500, Add	*1.49*	
03 21 19 00-0090	LF	#7, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	10.81	
		For Up To 100, Add	*7.55*	
		For >100 To 200, Add	*4.12*	
		For >200 To 400, Add	*2.02*	
03 21 19 00-0091	LF	#8, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	14.03	
		For Up To 100, Add	*9.87*	
		For >100 To 200, Add	*5.37*	
		For >200 To 400, Add	*2.64*	
03 21 19 00-0092	LF	#9, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	17.63	
		For Up To 100, Add	*12.47*	
		For >100 To 200, Add	*6.77*	
		For >200 To 400, Add	*3.34*	
03 21 19 00-0093	LF	#10, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	22.14	
		For Up To 100, Add	*12.62*	
		For >100 To 200, Add	*6.42*	
		For >200 To 300, Add	*3.21*	
03 21 19 00-0094	LF	#11, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	26.95	
		For Up To 100, Add	*15.43*	
		For >100 To 200, Add	*7.84*	
		For >200 To 300, Add	*3.92*	
03 21 19 00-0095	LF	#14, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	38.50	
		For Up To 100, Add	*22.14*	
		For >100 To 200, Add	*11.23*	
		For >200 To 300, Add	*5.62*	
03 21 19 00-0096	LF	#18, Grade 75, Slab On Grade, Stainless Steel Reinforcement Bar	67.81	
		For Up To 100, Add	*39.17*	
		For >100 To 200, Add	*19.84*	
		For >200 To 300, Add	*9.92*	

03 21 19 00-0097 Elevated Slabs, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0098	LF	#3, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 19 00-0099	LF	#4, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	3.13	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.58*	
03 21 19 00-0100	LF	#5, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	4.79	
		For Up To 100, Add	*4.35*	
		For >100 To 200, Add	*2.21*	
		For >200 To 500, Add	*0.88*	
03 21 19 00-0101	LF	#6, Grade 40, Elevated Slabs, Stainless Steel Reinforcement Bar	6.75	
		For Up To 100, Add	*6.17*	
		For >100 To 200, Add	*3.13*	
		For >200 To 500, Add	*1.25*	
03 21 19 00-0102	LF	#3, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	1.94	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0103	LF	#4, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	3.48	
		For Up To 100, Add	*3.17*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.65*	
03 21 19 00-0104	LF	#5, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	5.32	
		For Up To 100, Add	*4.88*	
		For >100 To 200, Add	*2.48*	
		For >200 To 500, Add	*0.99*	
03 21 19 00-0105	LF	#6, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	7.51	
		For Up To 100, Add	*6.93*	
		For >100 To 200, Add	*3.51*	
		For >200 To 500, Add	*1.41*	
03 21 19 00-0106	LF	#7, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	10.12	
		For Up To 100, Add	*7.11*	
		For >100 To 200, Add	*3.87*	
		For >200 To 400, Add	*1.90*	
03 21 19 00-0107	LF	#8, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	13.14	
		For Up To 100, Add	*9.29*	
		For >100 To 200, Add	*5.04*	
		For >200 To 400, Add	*2.49*	
03 21 19 00-0108	LF	#9, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	16.54	
		For Up To 100, Add	*11.74*	
		For >100 To 200, Add	*6.37*	
		For >200 To 400, Add	*3.14*	
03 21 19 00-0109	LF	#10, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	20.78	
		For Up To 100, Add	*11.89*	
		For >100 To 200, Add	*6.04*	
		For >200 To 300, Add	*3.02*	
03 21 19 00-0110	LF	#11, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	25.31	
		For Up To 100, Add	*14.54*	
		For >100 To 200, Add	*7.38*	
		For >200 To 300, Add	*3.69*	
03 21 19 00-0111	LF	#14, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	36.19	
		For Up To 100, Add	*20.87*	
		For >100 To 200, Add	*10.58*	
		For >200 To 300, Add	*5.29*	
03 21 19 00-0112	LF	#18, Grade 60, Elevated Slabs, Stainless Steel Reinforcement Bar	63.76	
		For Up To 100, Add	*36.93*	
		For >100 To 200, Add	*18.69*	
		For >200 To 300, Add	*9.34*	
03 21 19 00-0113	LF	#6, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	7.88	
		For Up To 100, Add	*7.30*	
		For >100 To 200, Add	*3.70*	
		For >200 To 500, Add	*1.48*	
03 21 19 00-0114	LF	#7, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	10.63	
		For Up To 100, Add	*7.49*	
		For >100 To 200, Add	*4.07*	
		For >200 To 400, Add	*2.01*	
03 21 19 00-0115	LF	#8, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	13.82	
		For Up To 100, Add	*9.80*	
		For >100 To 200, Add	*5.32*	
		For >200 To 400, Add	*2.62*	
03 21 19 00-0116	LF	#9, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	17.40	
		For Up To 100, Add	*12.39*	
		For >100 To 200, Add	*6.71*	
		For >200 To 400, Add	*3.31*	
03 21 19 00-0117	LF	#10, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	21.87	
		For Up To 100, Add	*12.54*	
		For >100 To 200, Add	*6.37*	
		For >200 To 300, Add	*3.18*	
03 21 19 00-0118	LF	#11, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	26.64	
		For Up To 100, Add	*15.34*	
		For >100 To 200, Add	*7.78*	
		For >200 To 300, Add	*3.89*	
03 21 19 00-0119	LF	#14, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	38.11	
		For Up To 100, Add	*22.03*	
		For >100 To 200, Add	*11.15*	
		For >200 To 300, Add	*5.58*	
03 21 19 00-0120	LF	#18, Grade 75, Elevated Slabs, Stainless Steel Reinforcement Bar	67.18	
		For Up To 100, Add	*38.98*	
		For >100 To 200, Add	*19.71*	
		For >200 To 300, Add	*9.86*	

03 21 19 00-0121 Walls, Stainless Steel Reinforcement Bar *(03 21 19)*

Note: ASTM A-955.

03 21 19 00-0122	LF	#3, Grade 40, Walls, Stainless Steel Reinforcement Bar	1.74	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 19 00-0123	LF	#4, Grade 40, Walls, Stainless Steel Reinforcement Bar	3.09	
		For Up To 100, Add	*2.81*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 19 00-0124	LF	#5, Grade 40, Walls, Stainless Steel Reinforcement Bar	4.73	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.20*	
		For >200 To 500, Add	*0.88*	
03 21 19 00-0125	LF	#6, Grade 40, Walls, Stainless Steel Reinforcement Bar	6.68	
		For Up To 100, Add	*6.14*	
		For >100 To 200, Add	*3.12*	
		For >200 To 500, Add	*1.25*	
03 21 19 00-0126	LF	#3, Grade 60, Walls, Stainless Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.89*	
		For >200 To 500, Add	*0.36*	
03 21 19 00-0127	LF	#4, Grade 60, Walls, Stainless Steel Reinforcement Bar	3.44	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 19 00-0128	LF	#5, Grade 60, Walls, Stainless Steel Reinforcement Bar	5.26	
		For Up To 100, Add	*4.85*	
		For >100 To 200, Add	*2.46*	
		For >200 To 500, Add	*0.98*	
03 21 19 00-0129	LF	#6, Grade 60, Walls, Stainless Steel Reinforcement Bar	7.44	
		For Up To 100, Add	*6.90*	
		For >100 To 200, Add	*3.50*	
		For >200 To 500, Add	*1.40*	
03 21 19 00-0130	LF	#7, Grade 60, Walls, Stainless Steel Reinforcement Bar	10.02	
		For Up To 100, Add	*7.07*	
		For >100 To 200, Add	*3.84*	
		For >200 To 400, Add	*1.89*	
03 21 19 00-0131	LF	#8, Grade 60, Walls, Stainless Steel Reinforcement Bar	13.05	
		For Up To 100, Add	*9.26*	
		For >100 To 200, Add	*5.02*	
		For >200 To 400, Add	*2.48*	
03 21 19 00-0132	LF	#9, Grade 60, Walls, Stainless Steel Reinforcement Bar	16.43	
		For Up To 100, Add	*11.70*	
		For >100 To 200, Add	*6.34*	
		For >200 To 400, Add	*3.13*	
03 21 19 00-0133	LF	#10, Grade 60, Walls, Stainless Steel Reinforcement Bar	20.64	
		For Up To 100, Add	*11.85*	
		For >100 To 200, Add	*6.01*	
		For >200 To 300, Add	*3.01*	
03 21 19 00-0134	LF	#11, Grade 60, Walls, Stainless Steel Reinforcement Bar	25.16	
		For Up To 100, Add	*14.49*	
		For >100 To 200, Add	*7.35*	
		For >200 To 300, Add	*3.67*	
03 21 19 00-0135	LF	#14, Grade 60, Walls, Stainless Steel Reinforcement Bar	35.99	
		For Up To 100, Add	*20.81*	
		For >100 To 200, Add	*10.54*	
		For >200 To 300, Add	*5.27*	
03 21 19 00-0136	LF	#18, Grade 60, Walls, Stainless Steel Reinforcement Bar	63.45	
		For Up To 100, Add	*36.84*	
		For >100 To 200, Add	*18.62*	
		For >200 To 300, Add	*9.31*	
03 21 19 00-0137	LF	#6, Grade 75, Walls, Stainless Steel Reinforcement Bar	7.81	
		For Up To 100, Add	*7.27*	
		For >100 To 200, Add	*3.68*	
		For >200 To 500, Add	*1.47*	
03 21 19 00-0138	LF	#7, Grade 75, Walls, Stainless Steel Reinforcement Bar	10.53	
		For Up To 100, Add	*7.45*	
		For >100 To 200, Add	*4.05*	
		For >200 To 400, Add	*2.00*	
03 21 19 00-0139	LF	#8, Grade 75, Walls, Stainless Steel Reinforcement Bar	13.73	
		For Up To 100, Add	*9.77*	
		For >100 To 200, Add	*5.29*	
		For >200 To 400, Add	*2.61*	
03 21 19 00-0140	LF	#9, Grade 75, Walls, Stainless Steel Reinforcement Bar	17.29	
		For Up To 100, Add	*12.35*	
		For >100 To 200, Add	*6.68*	
		For >200 To 400, Add	*3.30*	
03 21 19 00-0141	LF	#10, Grade 75, Walls, Stainless Steel Reinforcement Bar	21.73	
		For Up To 100, Add	*12.50*	
		For >100 To 200, Add	*6.34*	
		For >200 To 300, Add	*3.17*	
03 21 19 00-0142	LF	#11, Grade 75, Walls, Stainless Steel Reinforcement Bar	26.49	
		For Up To 100, Add	*15.29*	
		For >100 To 200, Add	*7.75*	
		For >200 To 300, Add	*3.87*	
03 21 19 00-0143	LF	#14, Grade 75, Walls, Stainless Steel Reinforcement Bar	37.91	
		For Up To 100, Add	*21.97*	
		For >100 To 200, Add	*11.11*	
		For >200 To 300, Add	*5.56*	
03 21 19 00-0144	LF	#18, Grade 75, Walls, Stainless Steel Reinforcement Bar	66.87	
		For Up To 100, Add	*38.89*	
		For >100 To 200, Add	*19.65*	
		For >200 To 300, Add	*9.83*	

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CSI		UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002		SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		0.91	
			For >5 Ton, Deduct		*-0.14*	
03 22 11 00-0003		SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.05	
			For >5 Ton, Deduct		*-0.16*	
03 22 11 00-0004		SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.19	
			For >5 Ton, Deduct		*-0.18*	
03 22 11 00-0005		SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.40	
			For >5 Ton, Deduct		*-0.20*	
03 22 11 00-0006		SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.10	
			For >5 Ton, Deduct		*-0.16*	
03 22 11 00-0007		SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.23	
			For >5 Ton, Deduct		*-0.18*	
03 22 11 00-0008		SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.54	
			For >5 Ton, Deduct		*-0.21*	
03 22 11 00-0009		SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.79	
			For >5 Ton, Deduct		*-0.24*	
03 22 11 00-0010		SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.68	
			For >5 Ton, Deduct		*-0.22*	
03 22 11 00-0011		SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		2.31	
			For >5 Ton, Deduct		*-0.29*	
			For Galvanized, Add		*0.58*	
			For Epoxy Coated, Add		*1.15*	
03 22 11 00-0012		SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		3.10	
			For >5 Ton, Deduct		*-0.38*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002		SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.01	
			For >5 Ton, Deduct		*-0.15*	
03 22 13 00-0003		SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.17	
			For >5 Ton, Deduct		*-0.17*	
03 22 13 00-0004		SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.34	
			For >5 Ton, Deduct		*-0.19*	
03 22 13 00-0005		SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.62	
			For >5 Ton, Deduct		*-0.22*	
03 22 13 00-0006		SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.23	
			For >5 Ton, Deduct		*-0.18*	
03 22 13 00-0007		SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.40	
			For >5 Ton, Deduct		*-0.20*	
03 22 13 00-0008		SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.82	
			For >5 Ton, Deduct		*-0.24*	
03 22 13 00-0009		SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		2.14	
			For >5 Ton, Deduct		*-0.28*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011		SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns		3.57	
			For >5 Ton, Deduct		*-0.56*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002		SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.00	
			For >5 Ton, Deduct		*-0.15*	
03 22 16 00-0003		SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.15	
			For >5 Ton, Deduct		*-0.17*	
03 22 16 00-0004		SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.32	
			For >5 Ton, Deduct		*-0.19*	
03 22 16 00-0005		SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.59	
			For >5 Ton, Deduct		*-0.22*	
03 22 16 00-0006		SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs		1.22	
			For >5 Ton, Deduct		*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.38	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.78	
		For >5 Ton, Deduct	*-0.24*	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.10	
		For >5 Ton, Deduct	*-0.27*	

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001 Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 23)*

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.66
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.13

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0039 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	210.75
		For 2,000 PSI Concrete, Deduct	*-9.32*
		For 2,500 PSI Concrete, Deduct	*-4.66*
		For 3,500 PSI Concrete, Add	*8.63*
		For 3,750 PSI Concrete, Add	*11.74*
		For 4,000 PSI Concrete, Add	*14.84*
		For 4,500 PSI Concrete, Add	*17.26*
		For 5,000 PSI Concrete, Add	*19.68*
		For 6,000 PSI Concrete, Add	*46.60*
		For 7,500 PSI Concrete, Add	*115.73*
		For White Cement Concrete, Add	*20.71*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*
		For Lightweight Aggregate, ASTM C330, Add	*60.41*
		For Up To 20, Add	*15.26*
		For >20 To 50, Add	*5.72*
		For >100 To 200, Deduct	*-4.22*
		For >200 To 400, Deduct	*-8.43*
		For >400, Deduct	*-12.65*

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	258.75
		For 2,000 PSI Concrete, Deduct	*-9.32*
		For 2,500 PSI Concrete, Deduct	*-4.66*
		For 3,500 PSI Concrete, Add	*8.63*
		For 3,750 PSI Concrete, Add	*11.74*
		For 4,000 PSI Concrete, Add	*14.84*
		For 4,500 PSI Concrete, Add	*17.26*
		For 5,000 PSI Concrete, Add	*19.68*
		For 6,000 PSI Concrete, Add	*46.60*
		For 7,500 PSI Concrete, Add	*115.74*
		For White Cement Concrete, Add	*20.71*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*
		For Lightweight Aggregate, ASTM C330, Add	*60.41*

03 30 53 00-0005 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	196.64
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	189.04

03 30 53 00-0008 Hand Mix And Place Concrete *(03 30 53)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	21.51	
		For Up To 25 CF, Add	*2.52*	
		For 2,000 PSI Concrete, Deduct	*-0.40*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.37*	
		For 3,750 PSI Concrete, Add	*0.50*	
		For 4,000 PSI Concrete, Add	*0.63*	
		For 4,500 PSI Concrete, Add	*0.74*	
		For 5,000 PSI Concrete, Add	*0.84*	
		For 6,000 PSI Concrete, Add	*1.99*	
		For 7,500 PSI Concrete, Add	*4.95*	
		For White Cement Concrete, Add	*0.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*0.96*	
		For High Early Strength, Type 3 ASTM C150, Add	*0.74*	
		For Lightweight Aggregate, ASTM C330, Add	*2.58*	

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies *(03 31 13 00-0001)*

Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.54	
		For 2,000 PSI Concrete, Deduct	*-0.23*	
		For 2,500 PSI Concrete, Deduct	*-0.11*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.26*	
		For 4,500 PSI Concrete, Add	*0.33*	
		For 5,000 PSI Concrete, Add	*0.38*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*3.45*	
		For >500 To 1,000, Add	*2.37*	
		For >1,000 To 2,000, Add	*1.29*	
		For >2,000 To 5,000, Add	*0.64*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000 To 35,000, Deduct	*-0.42*	
		For >35,000 To 50,000, Deduct	*-0.64*	
		For >50,000 To 70,000, Deduct	*-0.85*	
		For >70,000, Deduct	*-1.06*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.32	
		For 2,000 PSI Concrete, Deduct	*-0.26*	
		For 2,500 PSI Concrete, Deduct	*-0.13*	
		For 3,500 PSI Concrete, Add	*0.09*	
		For 4,000 PSI Concrete, Add	*0.30*	
		For 4,500 PSI Concrete, Add	*0.38*	
		For 5,000 PSI Concrete, Add	*0.43*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*3.69*	
		For >500 To 1,000, Add	*2.54*	
		For >1,000 To 2,000, Add	*1.39*	
		For >2,000 To 5,000, Add	*0.69*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000 To 35,000, Deduct	*-0.47*	
		For >35,000 To 50,000, Deduct	*-0.70*	
		For >50,000 To 70,000, Deduct	*-0.94*	
		For >70,000, Deduct	*-1.17*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.42	
		For 2,000 PSI Concrete, Deduct	*-0.30*	
		For 2,500 PSI Concrete, Deduct	*-0.15*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.35*	
		For 4,500 PSI Concrete, Add	*0.44*	
		For 5,000 PSI Concrete, Add	*0.51*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*4.03*	
		For >500 To 1,000, Add	*2.78*	
		For >1,000 To 2,000, Add	*1.53*	
		For >2,000 To 5,000, Add	*0.76*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000 To 35,000, Deduct	*-0.54*	
		For >35,000 To 50,000, Deduct	*-0.80*	
		For >50,000 To 70,000, Deduct	*-1.06*	
		For >70,000, Deduct	*-1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.47	
		For 2,000 PSI Concrete, Deduct	*-0.35*	
		For 2,500 PSI Concrete, Deduct	*-0.17*	
		For 3,500 PSI Concrete, Add	*0.12*	
		For 4,000 PSI Concrete, Add	*0.40*	
		For 4,500 PSI Concrete, Add	*0.51*	
		For 5,000 PSI Concrete, Add	*0.58*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*4.32*	
		For >500 To 1,000, Add	*2.99*	
		For >1,000 To 2,000, Add	*1.65*	
		For >2,000 To 5,000, Add	*0.83*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000 To 35,000, Deduct	*-0.61*	
		For >35,000 To 50,000, Deduct	*-0.89*	
		For >50,000 To 70,000, Deduct	*-1.18*	
		For >70,000, Deduct	*-1.47*	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.36	
		For 2,000 PSI Concrete, Deduct	*-0.38*	
		For 2,500 PSI Concrete, Deduct	*-0.19*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.45*	
		For 4,500 PSI Concrete, Add	*0.56*	
		For 5,000 PSI Concrete, Add	*0.65*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*4.58*	
		For >500 To 1,000, Add	*3.17*	
		For >1,000 To 2,000, Add	*1.76*	
		For >2,000 To 5,000, Add	*0.88*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000 To 35,000, Deduct	*-0.66*	
		For >35,000 To 50,000, Deduct	*-0.97*	
		For >50,000 To 70,000, Deduct	*-1.28*	
		For >70,000, Deduct	*-1.59*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.62	
		For 2,000 PSI Concrete, Deduct	*-0.48*	
		For 2,500 PSI Concrete, Deduct	*-0.24*	
		For 3,500 PSI Concrete, Add	*0.17*	
		For 4,000 PSI Concrete, Add	*0.56*	
		For 4,500 PSI Concrete, Add	*0.71*	
		For 5,000 PSI Concrete, Add	*0.81*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*5.19*	
		For >500 To 1,000, Add	*3.61*	
		For >1,000 To 2,000, Add	*2.03*	
		For >2,000 To 5,000, Add	*1.01*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000 To 35,000, Deduct	*-0.81*	
		For >35,000 To 50,000, Deduct	*-1.18*	
		For >50,000 To 70,000, Deduct	*-1.54*	
		For >70,000, Deduct	*-1.91*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	16.39	
		For 2,000 PSI Concrete, Deduct	*-0.56*	
		For 2,500 PSI Concrete, Deduct	*-0.28*	
		For 3,500 PSI Concrete, Add	*0.20*	
		For 4,000 PSI Concrete, Add	*0.65*	
		For 4,500 PSI Concrete, Add	*0.81*	
		For 5,000 PSI Concrete, Add	*0.94*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.54*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.80*	
		For Up To 500, Add	*5.71*	
		For >500 To 1,000, Add	*3.98*	
		For >1,000 To 2,000, Add	*2.25*	
		For >2,000 To 5,000, Add	*1.12*	
		For >10,000 To 20,000, Deduct	*-0.52*	
		For >20,000 To 35,000, Deduct	*-0.93*	
		For >35,000 To 50,000, Deduct	*-1.34*	
		For >50,000 To 70,000, Deduct	*-1.74*	
		For >70,000, Deduct	*-2.15*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 03 05 13 00-0001 for admixtures.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	316.18	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.74*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*57.43*	
		For >20 To 50, Add	*21.54*	
		For >100 To 200, Deduct	*-6.32*	
		For >200 To 400, Deduct	*-12.65*	
		For >400, Deduct	*-18.97*	
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	235.93	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*25.33*	
		For >20 To 50, Add	*9.50*	
		For >100 To 200, Deduct	*-4.72*	
		For >200 To 400, Deduct	*-9.44*	
		For >400, Deduct	*-14.16*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps	247.31	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*24.13*	
		For >20 To 50, Add	*9.05*	
		For >100 To 200, Deduct	*-4.95*	
		For >200 To 400, Deduct	*-9.89*	
		For >400, Deduct	*-14.84*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	300.22	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*51.05*	
		For >20 To 50, Add	*19.14*	
		For >100 To 200, Deduct	*-6.00*	
		For >200 To 400, Deduct	*-12.01*	
		For >400, Deduct	*-18.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	228.91	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*22.52*	
		For >20 To 50, Add	*8.45*	
		For >100 To 200, Deduct	*-4.58*	
		For >200 To 400, Deduct	*-9.16*	
		For >400, Deduct	*-13.73*	
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	240.60	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*21.44*	
		For >20 To 50, Add	*8.04*	
		For >100 To 200, Deduct	*-4.81*	
		For >200 To 400, Deduct	*-9.62*	
		For >400, Deduct	*-14.44*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	387.96	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*86.14*	
		For >20 To 50, Add	*32.30*	
		For >100 To 200, Deduct	*-7.76*	
		For >200 To 400, Deduct	*-15.52*	
		For >400, Deduct	*-23.28*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	267.61	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*38.00*	
		For >20 To 50, Add	*14.25*	
		For >100 To 200, Deduct	*-5.35*	
		For >200 To 400, Deduct	*-10.70*	
		For >400, Deduct	*-16.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	277.47	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*36.19*	
		For >20 To 50, Add	*13.57*	
		For >100 To 200, Deduct	*-5.55*	
		For >200 To 400, Deduct	*-11.10*	
		For >400, Deduct	*-16.65*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	210.88	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*15.31*	
		For >20 To 50, Add	*5.74*	
		For >100 To 200, Deduct	*-4.22*	
		For >200 To 400, Deduct	*-8.44*	
		For >400, Deduct	*-12.65*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	189.50	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*6.76*	
		For >20 To 50, Add	*2.54*	
		For >100 To 200, Deduct	*-3.79*	
		For >200 To 400, Deduct	*-7.58*	
		For >400, Deduct	*-11.37*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	201.06	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*5.63*	
		For >20 To 50, Add	*2.11*	
		For >100 To 200, Deduct	*-4.02*	
		For >200 To 400, Deduct	*-8.04*	
		For >400, Deduct	*-12.06*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	274.70	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*40.84*	
		For >20 To 50, Add	*15.32*	
		For >100 To 200, Deduct	*-5.49*	
		For >200 To 400, Deduct	*-10.99*	
		For >400, Deduct	*-16.48*	
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	217.63	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*18.01*	
		For >20 To 50, Add	*6.75*	
		For >100 To 200, Deduct	*-4.35*	
		For >200 To 400, Deduct	*-8.71*	
		For >400, Deduct	*-13.06*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams Note: Excludes pumping equipment.	229.89	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*17.16*	
		For >20 To 50, Add	*6.44*	
		For >100 To 200, Deduct	*-4.60*	
		For >200 To 400, Deduct	*-9.20*	
		For >400, Deduct	*-13.79*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	277.09	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*41.80*	
		For >20 To 50, Add	*15.67*	
		For >100 To 200, Deduct	*-5.54*	
		For >200 To 400, Deduct	*-11.08*	
		For >400, Deduct	*-16.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	251.89	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*31.72*	
		For >20 To 50, Add	*11.89*	
		For >100 To 200, Deduct	*-5.04*	
		For >200 To 400, Deduct	*-10.08*	
		For >400, Deduct	*-15.11*	
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	218.70	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*18.44*	
		For >20 To 50, Add	*6.92*	
		For >100 To 200, Deduct	*-4.37*	
		For >200 To 400, Deduct	*-8.75*	
		For >400, Deduct	*-13.12*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	207.57	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*13.99*	
		For >20 To 50, Add	*5.25*	
		For >100 To 200, Deduct	*-4.15*	
		For >200 To 400, Deduct	*-8.30*	
		For >400, Deduct	*-12.45*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	225.41	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*15.37*	
		For >20 To 50, Add	*5.76*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.02*	
		For >400, Deduct	*-13.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade Note: Excludes pumping equipment.	216.14	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*11.66*	
		For >20 To 50, Add	*4.37*	
		For >100 To 200, Deduct	*-4.32*	
		For >200 To 400, Deduct	*-8.65*	
		For >400, Deduct	*-12.97*	
03 31 13 00-0039		Place Concrete Stairs *(03 31 13 00-0011)*		
03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	642.76	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*188.06*	
		For >20 To 50, Add	*70.52*	
		For >100 To 200, Deduct	*-12.86*	
		For >200 To 400, Deduct	*-25.71*	
		For >400, Deduct	*-38.57*	
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	380.04	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*82.98*	
		For >20 To 50, Add	*31.12*	
		For >100 To 200, Deduct	*-7.60*	
		For >200 To 400, Deduct	*-15.20*	
		For >400, Deduct	*-22.80*	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	359.88	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*69.16*	
		For >20 To 50, Add	*25.93*	
		For >100 To 200, Deduct	*-7.20*	
		For >200 To 400, Deduct	*-14.40*	
		For >400, Deduct	*-21.59*	
03 31 13 00-0043		Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)* See CSI section 03 37 16 00-0001 for concrete pump truck.		
03 31 13 00-0044		Place Elevated Concrete Beams *(03 31 13 00-0043)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	427.84	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*102.10*	
		For >20 To 50, Add	*38.29*	
		For >100 To 200, Deduct	*-8.56*	
		For >200 To 400, Deduct	*-17.11*	
		For >400, Deduct	*-25.67*	
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	294.23	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*42.90*	
		For >20 To 50, Add	*16.09*	
		For >100 To 200, Deduct	*-5.88*	
		For >200 To 400, Deduct	*-11.77*	
		For >400, Deduct	*-17.65*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	292.76	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*48.06*	
		For >20 To 50, Add	*18.02*	
		For >100 To 200, Deduct	*-5.86*	
		For >200 To 400, Deduct	*-11.71*	
		For >400, Deduct	*-17.57*	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	263.78	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*36.47*	
		For >20 To 50, Add	*13.68*	
		For >100 To 200, Deduct	*-5.28*	
		For >200 To 400, Deduct	*-10.55*	
		For >400, Deduct	*-15.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	237.48	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*20.20*	
		For >20 To 50, Add	*7.57*	
		For >100 To 200, Deduct	*-4.75*	
		For >200 To 400, Deduct	*-9.50*	
		For >400, Deduct	*-14.25*	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab	225.29	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*15.32*	
		For >20 To 50, Add	*5.75*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.01*	
		For >400, Deduct	*-13.52*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	448.27	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*110.27*	
		For >20 To 50, Add	*41.35*	
		For >100 To 200, Deduct	*-8.97*	
		For >200 To 400, Deduct	*-17.93*	
		For >400, Deduct	*-26.90*	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	372.97	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*80.15*	
		For >20 To 50, Add	*30.06*	
		For >100 To 200, Deduct	*-7.46*	
		For >200 To 400, Deduct	*-14.92*	
		For >400, Deduct	*-22.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	319.11	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*58.60*	
		For >20 To 50, Add	*21.98*	
		For >100 To 200, Deduct	*-6.38*	
		For >200 To 400, Deduct	*-12.76*	
		For >400, Deduct	*-19.15*	
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	295.12	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*49.01*	
		For >20 To 50, Add	*18.38*	
		For >100 To 200, Deduct	*-5.90*	
		For >200 To 400, Deduct	*-11.80*	
		For >400, Deduct	*-17.71*	
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	302.81	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*46.33*	
		For >20 To 50, Add	*17.37*	
		For >100 To 200, Deduct	*-6.06*	
		For >200 To 400, Deduct	*-12.11*	
		For >400, Deduct	*-18.17*	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	271.18	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*33.68*	
		For >20 To 50, Add	*12.63*	
		For >100 To 200, Deduct	*-5.42*	
		For >200 To 400, Deduct	*-10.85*	
		For >400, Deduct	*-16.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	248.54	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*24.62*	
		For >20 To 50, Add	*9.23*	
		For >100 To 200, Deduct	*-4.97*	
		For >200 To 400, Deduct	*-9.94*	
		For >400, Deduct	*-14.91*	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	238.46	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*20.59*	
		For >20 To 50, Add	*7.72*	
		For >100 To 200, Deduct	*-4.77*	
		For >200 To 400, Deduct	*-9.54*	
		For >400, Deduct	*-14.31*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	431.03	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*103.37*	
		For >20 To 50, Add	*38.76*	
		For >100 To 200, Deduct	*-8.62*	
		For >200 To 400, Deduct	*-17.24*	
		For >400, Deduct	*-25.86*	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	409.61	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*94.80*	
		For >20 To 50, Add	*35.55*	
		For >100 To 200, Deduct	*-8.19*	
		For >200 To 400, Deduct	*-16.38*	
		For >400, Deduct	*-24.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	353.51	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*72.36*	
		For >20 To 50, Add	*27.14*	
		For >100 To 200, Deduct	*-7.07*	
		For >200 To 400, Deduct	*-14.14*	
		For >400, Deduct	*-21.21*	
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	286.61	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*45.60*	
		For >20 To 50, Add	*17.10*	
		For >100 To 200, Deduct	*-5.73*	
		For >200 To 400, Deduct	*-11.46*	
		For >400, Deduct	*-17.20*	
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	263.80	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*36.48*	
		For >20 To 50, Add	*13.68*	
		For >100 To 200, Deduct	*-5.28*	
		For >200 To 400, Deduct	*-10.55*	
		For >400, Deduct	*-15.83*	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	252.40	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*31.92*	
		For >20 To 50, Add	*11.97*	
		For >100 To 200, Deduct	*-5.05*	
		For >200 To 400, Deduct	*-10.10*	
		For >400, Deduct	*-15.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	295.57	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*43.43*	
		For >20 To 50, Add	*16.29*	
		For >100 To 200, Deduct	*-5.91*	
		For >200 To 400, Deduct	*-11.82*	
		For >400, Deduct	*-17.73*	
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	273.85	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*34.74*	
		For >20 To 50, Add	*13.03*	
		For >100 To 200, Deduct	*-5.48*	
		For >200 To 400, Deduct	*-10.95*	
		For >400, Deduct	*-16.43*	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	262.99	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*30.40*	
		For >20 To 50, Add	*11.40*	
		For >100 To 200, Deduct	*-5.26*	
		For >200 To 400, Deduct	*-10.52*	
		For >400, Deduct	*-15.78*	

03 31 13 00-0071 Place Elevated Concrete Stairs *(03 31 13 00-0043)*

03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	695.06	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*208.98*	
		For >20 To 50, Add	*78.37*	
		For >100 To 200, Deduct	*-13.90*	
		For >200 To 400, Deduct	*-27.80*	
		For >400, Deduct	*-41.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	403.08	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*92.19*	
		For >20 To 50, Add	*34.57*	
		For >100 To 200, Deduct	*-8.06*	
		For >200 To 400, Deduct	*-16.12*	
		For >400, Deduct	*-24.18*	
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs Note: Excludes pumping equipment.	379.06	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*76.83*	
		For >20 To 50, Add	*28.81*	
		For >100 To 200, Deduct	*-7.58*	
		For >200 To 400, Deduct	*-15.16*	
		For >400, Deduct	*-22.74*	

03 31 13 00-0075 Place Concrete Coping *(03 31 13 00-0043)*

03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	713.11	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*216.20*	
		For >20 To 50, Add	*81.08*	
		For >100 To 200, Deduct	*-14.26*	
		For >200 To 400, Deduct	*-28.52*	
		For >400, Deduct	*-42.79*	
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	401.53	
		For 2,000 PSI Concrete, Deduct	*-9.32*	
		For 2,500 PSI Concrete, Deduct	*-4.66*	
		For 3,500 PSI Concrete, Add	*8.63*	
		For 3,750 PSI Concrete, Add	*11.74*	
		For 4,000 PSI Concrete, Add	*14.84*	
		For 4,500 PSI Concrete, Add	*17.26*	
		For 5,000 PSI Concrete, Add	*19.68*	
		For 6,000 PSI Concrete, Add	*46.60*	
		For 7,500 PSI Concrete, Add	*115.73*	
		For White Cement Concrete, Add	*20.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*22.44*	
		For High Early Strength, Type 3 ASTM C150, Add	*17.26*	
		For Lightweight Aggregate, ASTM C330, Add	*60.41*	
		For Up To 20, Add	*91.57*	
		For >20 To 50, Add	*34.34*	
		For >100 To 200, Deduct	*-8.03*	
		For >200 To 400, Deduct	*-16.06*	
		For >400, Deduct	*-24.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping Note: Excludes pumping equipment.	533.75	
		For 2,000 PSI Concrete, Deduct	*-10.10*	
		For 2,500 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Add	*9.35*	
		For 3,750 PSI Concrete, Add	*12.72*	
		For 4,000 PSI Concrete, Add	*16.08*	
		For 4,500 PSI Concrete, Add	*18.70*	
		For 5,000 PSI Concrete, Add	*21.32*	
		For 6,000 PSI Concrete, Add	*50.49*	
		For 7,500 PSI Concrete, Add	*125.38*	
		For White Cement Concrete, Add	*22.44*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*24.31*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.70*	
		For Lightweight Aggregate, ASTM C330, Add	*65.45*	
		For Up To 20, Add	*138.70*	
		For >20 To 50, Add	*52.01*	
		For >100 To 200, Deduct	*-10.68*	
		For >200 To 400, Deduct	*-21.35*	
		For >400, Deduct	*-32.03*	
03 31 13 00-0079		Concrete Carts *(03 31 13 00-0010)* Note: Used to place concrete were necessary.		
03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	26.86	
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	35.96	
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	47.95	
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	12.08	
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	16.19	
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	21.59	
03 31 13 00-0086		Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*		
03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.69	
03 31 13 00-0088		Wash Out Truck For Non-Standard Concrete *(03 31 13)* Note: Not portland.		
03 31 13 00-0089	EA	Concrete Truck Washout For Non-Standard Concrete Note: Excludes washout container or bin	196.40	
03 31 13 00-0090		Equipment Pads *(03 31 13)*		
03 31 13 00-0091		Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0090)* Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0092	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	21.26	
03 31 13 00-0093	SF	4" Equipment Pad With Rebar Assembly	27.08	
03 31 13 00-0094	SF	6" Equipment Pad With Rebar Assembly	33.88	
03 31 13 00-0095	SF	8" Equipment Pad With Rebar Assembly	42.40	
03 31 16		**Lightweight Structural Concrete** *(03 31)*		
03 31 16 00-0001		Low Density Cellular / Foam Concrete Fill *(03 31 16)*		
03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	322.21	
03 35		**Concrete Finishing** *(03 30)*		
03 35 13		**High-Tolerance Concrete Floor Finishing** *(03 35)*		
03 35 13 00-0001		Floor Finishes *(03 35 13)* Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.17	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000, Deduct	*-0.12*	
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.41	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.35*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000, Deduct	*-0.14*	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.55	
		For Up To 100, Add	*3.10*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.39*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000, Deduct	*-0.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.81	
		For Up To 100, Add	*3.62*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	2.03	
		For Up To 100, Add	*4.06*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.51*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000, Deduct	*-0.20*	
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.81	
		For Up To 100, Add	*3.62*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.18*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.41	
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.14	
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.34	
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.59	

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.59	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.48	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.41	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.43	

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	4.28	

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	5.15	

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0002	SF	2" Thick Marblecrete And Finish	42.34	
03 35 29 00-0003	SF	4" Thick Marblecrete And Finish	56.81	

03 35 29 00-0004 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0005	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	19.85	

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.70	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.26	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	4.07	

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.23	
		For Up To 500, Add	*4.21*	
		For >500 To 1,000, Add	*3.91*	
		For >1,000 To 2,500, Add	*2.58*	
		For >2,500 To 4,000, Add	*1.35*	
		For >8,000 To 15,000, Deduct	*-0.52*	
		For >15,000 To 25,000, Deduct	*-0.66*	
		For >25,000, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.79	
		For Up To 500, Add	*3.36*	
		For >500 To 1,000, Add	*3.11*	
		For >1,000 To 2,500, Add	*2.06*	
		For >2,500 To 4,000, Add	*1.07*	
		For >8,000 To 15,000, Deduct	*-0.42*	
		For >15,000 To 25,000, Deduct	*-0.53*	
		For >25,000, Deduct	*-0.74*	
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.50	
		For Up To 500, Add	*2.79*	
		For >500 To 1,000, Add	*2.59*	
		For >1,000 To 2,500, Add	*1.71*	
		For >2,500 To 4,000, Add	*0.89*	
		For >8,000 To 15,000, Deduct	*-0.35*	
		For >15,000 To 25,000, Deduct	*-0.44*	
		For >25,000, Deduct	*-0.62*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.40	
		For Up To 500, Add	*2.60*	
		For >500 To 1,000, Add	*2.41*	
		For >1,000 To 2,500, Add	*1.59*	
		For >2,500 To 4,000, Add	*0.83*	
		For >8,000 To 15,000, Deduct	*-0.32*	
		For >15,000 To 25,000, Deduct	*-0.41*	
		For >25,000, Deduct	*-0.58*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.29	
		For Up To 500, Add	*2.39*	
		For >500 To 1,000, Add	*2.21*	
		For >1,000 To 2,500, Add	*1.46*	
		For >2,500 To 4,000, Add	*0.76*	
		For >8,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 25,000, Deduct	*-0.38*	
		For >25,000, Deduct	*-0.53*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.29	
		For Up To 500, Add	*2.39*	
		For >500 To 1,000, Add	*2.21*	
		For >1,000 To 2,500, Add	*1.46*	
		For >2,500 To 4,000, Add	*0.76*	
		For >8,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 25,000, Deduct	*-0.38*	
		For >25,000, Deduct	*-0.53*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.29	
		For Up To 500, Add	*2.39*	
		For >500 To 1,000, Add	*2.21*	
		For >1,000 To 2,500, Add	*1.46*	
		For >2,500 To 4,000, Add	*0.76*	
		For >8,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 25,000, Deduct	*-0.38*	
		For >25,000, Deduct	*-0.53*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.29	
		For Up To 500, Add	*2.39*	
		For >500 To 1,000, Add	*2.21*	
		For >1,000 To 2,500, Add	*1.46*	
		For >2,500 To 4,000, Add	*0.76*	
		For >8,000 To 15,000, Deduct	*-0.30*	
		For >15,000 To 25,000, Deduct	*-0.38*	
		For >25,000, Deduct	*-0.53*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.33	
		For Up To 500, Add	*0.52*	
		For >500 To 1,000, Add	*0.49*	
		For >1,000 To 2,500, Add	*0.32*	
		For >2,500 To 4,000, Add	*0.17*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.08*	
		For >25,000, Deduct	*-0.12*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.64	
		For Up To 500, Add	*0.64*	
		For >500 To 1,000, Add	*0.59*	
		For >1,000 To 2,500, Add	*0.39*	
		For >2,500 To 4,000, Add	*0.20*	
		For >8,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 25,000, Deduct	*-0.10*	
		For >25,000, Deduct	*-0.14*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.11	
		For Up To 500, Add	*0.95*	
		For >500 To 1,000, Add	*0.88*	
		For >1,000 To 2,500, Add	*0.58*	
		For >2,500 To 4,000, Add	*0.30*	
		For >8,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 25,000, Deduct	*-0.15*	
		For >25,000, Deduct	*-0.21*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 35 43 00-0013	SF	Concrete Floor Polishing Final Cleanup	0.17	
			For Up To 500, Add	*0.33*	
			For >500 To 1,000, Add	*0.31*	
			For >1,000 To 2,500, Add	*0.20*	
			For >2,500 To 4,000, Add	*0.11*	
			For >8,000 To 15,000, Deduct	*-0.04*	
			For >15,000 To 25,000, Deduct	*-0.05*	
			For >25,000, Deduct	*-0.07*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

	03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	2.00	
			For Up To 100, Add	*2.24*	
			For >100 To 250, Add	*0.56*	
			For >250 To 500, Add	*0.28*	
			For >5,000 To 10,000, Deduct	*-0.06*	
			For >10,000, Deduct	*-0.11*	
	03 35 63 00-0003	SF	Non-Slip Protection, Aluminum Oxide At 1-1/4 Lb./SF, Emery - Corundum	2.81	
			For Up To 100, Add	*2.24*	
			For >100 To 250, Add	*0.56*	
			For >250 To 500, Add	*0.28*	
			For >5,000 To 10,000, Deduct	*-0.06*	
	03 35 63 00-0004	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.77	
			For Up To 100, Add	*2.24*	
			For >100 To 250, Add	*0.56*	
			For >250 To 500, Add	*0.28*	
			For >5,000 To 10,000, Deduct	*-0.06*	
			For >10,000, Deduct	*-0.11*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

	03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.09	
			For Up To 100, Add	*1.08*	
			For >100 To 250, Add	*0.27*	
			For >250 To 500, Add	*0.14*	
			For >5,000 To 10,000, Deduct	*-0.03*	
			For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

	03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	2.07	
			For Up To 100, Add	*3.94*	
			For >100 To 250, Add	*0.99*	
			For >250 To 500, Add	*0.49*	
			For >5,000 To 10,000, Deduct	*-0.10*	
			For >10,000, Deduct	*-0.20*	
	03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	3.10	
			For Up To 100, Add	*5.90*	
			For >100 To 250, Add	*1.48*	
			For >250 To 500, Add	*0.74*	
			For >5,000 To 10,000, Deduct	*-0.15*	
			For >10,000, Deduct	*-0.30*	
	03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.20	
			For Up To 100, Add	*1.30*	
			For >100 To 250, Add	*0.33*	
			For >250 To 500, Add	*0.16*	
			For >5,000 To 10,000, Deduct	*-0.03*	
			For >10,000, Deduct	*-0.07*	
	03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.29	
			For Up To 100, Add	*12.48*	
			For >100 To 250, Add	*3.12*	
			For >250 To 500, Add	*1.56*	
			For >5,000 To 10,000, Deduct	*-0.31*	
			For >10,000, Deduct	*-0.62*	
	03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.74	
			For Up To 100, Add	*19.28*	
			For >100 To 250, Add	*4.82*	
			For >250 To 500, Add	*2.41*	
			For >5,000 To 10,000, Deduct	*-0.48*	
			For >10,000, Deduct	*-0.96*	
	03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.18	
			For Up To 100, Add	*2.12*	
			For >100 To 250, Add	*0.53*	
			For >250 To 500, Add	*0.27*	
			For >5,000 To 10,000, Deduct	*-0.05*	
			For >10,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	4.04	
		For Up To 100, Add	*7.84*	
		For >100 To 250, Add	*1.96*	
		For >250 To 500, Add	*0.98*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000, Deduct	*-0.39*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	6.18	
		For Up To 100, Add	*12.12*	
		For >100 To 250, Add	*3.03*	
		For >250 To 500, Add	*1.52*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.61*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	6.14	
		For Up To 100, Add	*9.98*	
		For >100 To 250, Add	*2.50*	
		For >250 To 500, Add	*1.25*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000, Deduct	*-0.50*	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	12.27	
		For Up To 100, Add	*19.96*	
		For >100 To 250, Add	*4.99*	
		For >250 To 500, Add	*2.50*	
		For >5,000 To 10,000, Deduct	*-0.50*	
		For >10,000, Deduct	*-1.00*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.77	
		For Up To 25, Add	*0.72*	
		For >25 To 50, Add	*0.42*	
		For >50 To 150, Add	*0.17*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	7.07	
		For Up To 25, Add	*1.33*	
		For >25 To 50, Add	*0.77*	
		For >50 To 150, Add	*0.31*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	9.99	
		For Up To 25, Add	*1.84*	
		For >25 To 50, Add	*1.06*	
		For >50 To 150, Add	*0.42*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	12.56	
		For Up To 25, Add	*2.26*	
		For >25 To 50, Add	*1.30*	
		For >50 To 150, Add	*0.50*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	16.94	
		For Up To 25, Add	*2.92*	
		For >25 To 50, Add	*1.66*	
		For >50 To 150, Add	*0.61*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.18	
		For Radius Or Irregular Surface, Add	*1.27*	
		For Up To 25, Add	*0.90*	
		For >25 To 50, Add	*0.53*	
		For >50 To 150, Add	*0.24*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.69	
		For Radius Or Irregular Surface, Add	*2.28*	
		For Up To 25, Add	*1.62*	
		For >25 To 50, Add	*0.95*	
		For >50 To 150, Add	*0.43*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.68	
		For Radius Or Irregular Surface, Add	*3.08*	
		For Up To 25, Add	*2.22*	
		For >25 To 50, Add	*1.30*	
		For >50 To 150, Add	*0.58*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	13.22	
		For Radius Or Irregular Surface, Add	*3.69*	
		For Up To 25, Add	*2.71*	
		For >25 To 50, Add	*1.58*	
		For >50 To 150, Add	*0.69*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.37	
		For Radius Or Irregular Surface, Add	*4.15*	
		For Up To 25, Add	*3.09*	
		For >25 To 50, Add	*1.81*	
		For >50 To 150, Add	*0.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	17.20	
		For Radius Or Irregular Surface, Add	*4.48*	
		For Up To 25, Add	*3.40*	
		For >25 To 50, Add	*1.98*	
		For >50 To 150, Add	*0.84*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	21.43	
		For Radius Or Irregular Surface, Add	*5.38*	
		For Up To 25, Add	*4.16*	
		For >25 To 50, Add	*2.42*	
		For >50 To 150, Add	*1.01*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	25.10	
		For Radius Or Irregular Surface, Add	*6.05*	
		For Up To 25, Add	*4.78*	
		For >25 To 50, Add	*2.77*	
		For >50 To 150, Add	*1.13*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	28.30	
		For Radius Or Irregular Surface, Add	*6.53*	
		For Up To 25, Add	*5.28*	
		For >25 To 50, Add	*3.05*	
		For >50 To 150, Add	*1.22*	

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement Note: 95 CY per hour rating	375.72
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement Note: 117 CY per hour rating	415.44
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement Note: 117 CY per hour rating	558.87
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement Note: 117 CY per hour rating	648.16
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement Note: 170 CY per hour rating	740.30
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement Note: 170 CY per hour rating	935.45
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement Note: 170 CY per hour rating	1,051.88
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement Note: 182 CY per hour rating	1,333.89
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	247.49

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.38

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.37

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	188.49
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	40.62

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0002		**Erection Costs For Using A 90 Ton Crawler Crane** *(03 41 16 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	395.03	316.05
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	439.13	351.25
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	466.29	373.01
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	494.33	395.48
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	529.02	423.19
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	565.38	452.30
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	607.12	485.66
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	660.30	528.21
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	717.94	574.43
03 41 16 00-0012		**Material Cost** *(03 41 16 00-0001)* Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		
03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	35.85	
		For 3,500 PSI Concrete, Add	*0.72*	
		For 4,000 PSI Concrete, Add	*1.08*	
		For 4,500 PSI Concrete, Add	*1.43*	
		For 5,000 PSI Concrete, Add	*2.15*	
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	43.02	
		For 3,500 PSI Concrete, Add	*0.86*	
		For 4,000 PSI Concrete, Add	*1.29*	
		For 4,500 PSI Concrete, Add	*1.72*	
		For 5,000 PSI Concrete, Add	*2.58*	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	52.58	
		For 3,500 PSI Concrete, Add	*1.05*	
		For 4,000 PSI Concrete, Add	*1.58*	
		For 4,500 PSI Concrete, Add	*2.10*	
		For 5,000 PSI Concrete, Add	*3.15*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	69.79	
		For 3,500 PSI Concrete, Add	*1.40*	
		For 4,000 PSI Concrete, Add	*2.09*	
		For 4,500 PSI Concrete, Add	*2.79*	
		For 5,000 PSI Concrete, Add	*4.19*	
03 41 16 00-0017		**Floor Units, Combination Beam And Slab** *(03 41 16)*		
03 41 16 00-0018		**Erection Costs For Using 90 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	485.62	388.48
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	529.29	423.49
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	585.01	467.95
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	649.59	519.64
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	730.20	584.11
03 41 16 00-0024		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 16 00-0017)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	609.37	487.54
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	664.19	531.31
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	734.11	587.33
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	815.14	652.14
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	916.29	733.10
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	996.28	796.97
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,101.16	880.92
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,218.76	975.07
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,379.46	1,103.58
03 41 16 00-0034		**Material Cost** *(03 41 16 00-0017)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035		**4" Slab** *(03 41 16 00-0034)*		
03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,776.16	
		For 3,500 PSI Concrete, Add	*75.52*	
		For 4,000 PSI Concrete, Add	*113.28*	
		For 4,500 PSI Concrete, Add	*151.05*	
		For 5,000 PSI Concrete, Add	*226.57*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,823.96	
		For 3,500 PSI Concrete, Add	*76.48*	
		For 4,000 PSI Concrete, Add	*114.72*	
		For 4,500 PSI Concrete, Add	*152.96*	
		For 5,000 PSI Concrete, Add	*229.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,301.96	
		For 3,500 PSI Concrete, Add	*86.04*	
		For 4,000 PSI Concrete, Add	*129.06*	
		For 4,500 PSI Concrete, Add	*172.08*	
		For 5,000 PSI Concrete, Add	*258.12*	

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,871.76	
		For 3,500 PSI Concrete, Add	*77.44*	
		For 4,000 PSI Concrete, Add	*116.15*	
		For 4,500 PSI Concrete, Add	*154.87*	
		For 5,000 PSI Concrete, Add	*232.31*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,015.16	
		For 3,500 PSI Concrete, Add	*80.30*	
		For 4,000 PSI Concrete, Add	*120.45*	
		For 4,500 PSI Concrete, Add	*160.61*	
		For 5,000 PSI Concrete, Add	*240.91*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,114.55	
		For 3,500 PSI Concrete, Add	*102.29*	
		For 4,000 PSI Concrete, Add	*153.44*	
		For 4,500 PSI Concrete, Add	*204.58*	
		For 5,000 PSI Concrete, Add	*306.87*	

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	4,015.16	
		For 3,500 PSI Concrete, Add	*80.30*	
		For 4,000 PSI Concrete, Add	*120.45*	
		For 4,500 PSI Concrete, Add	*160.61*	
		For 5,000 PSI Concrete, Add	*240.91*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,779.96	
		For 3,500 PSI Concrete, Add	*95.60*	
		For 4,000 PSI Concrete, Add	*143.40*	
		For 4,500 PSI Concrete, Add	*191.20*	
		For 5,000 PSI Concrete, Add	*286.80*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,831.55	
		For 3,500 PSI Concrete, Add	*116.63*	
		For 4,000 PSI Concrete, Add	*174.95*	
		For 4,500 PSI Concrete, Add	*233.26*	
		For 5,000 PSI Concrete, Add	*349.89*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	394.21	315.40
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	438.23	350.52
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	493.31	394.67
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	527.93	422.31
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	564.21	451.37
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	605.87	484.66
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	658.94	527.12
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	716.46	573.24

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	436.84	349.44
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	485.62	388.48
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	546.65	437.38
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	585.01	467.95
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	625.23	500.19
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	671.39	537.14
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	730.20	584.11
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	793.95	635.09
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	877.52	702.06
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	971.23	776.95
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,099.31	879.49
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,250.46	1,000.37
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,449.81	1,159.87

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	47.80	
		For 3,500 PSI Concrete, Add	*0.96*	
		For 4,000 PSI Concrete, Add	*1.43*	
		For 4,500 PSI Concrete, Add	*1.91*	
		For 5,000 PSI Concrete, Add	*2.87*	
		For White Facing, Add	*9.56*	
		For Solid White Through Thickness, Add	*9.56*	
		For Broken Rib Finish, Add	*4.78*	
		For Fluted Surface, Add	*4.78*	
		For Exposed Aggregate, Add	*9.56*	
		For Sandblasting Of Surface, Add	*4.78*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	58.79	
		For 3,500 PSI Concrete, Add	*1.18*	
		For 4,000 PSI Concrete, Add	*1.76*	
		For 4,500 PSI Concrete, Add	*2.35*	
		For 5,000 PSI Concrete, Add	*3.53*	
		For White Facing, Add	*11.76*	
		For Solid White Through Thickness, Add	*11.76*	
		For Broken Rib Finish, Add	*5.88*	
		For Fluted Surface, Add	*5.88*	
		For Exposed Aggregate, Add	*11.76*	
		For Sandblasting Of Surface, Add	*5.88*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	70.74	
		For 3,500 PSI Concrete, Add	*1.41*	
		For 4,000 PSI Concrete, Add	*2.12*	
		For 4,500 PSI Concrete, Add	*2.83*	
		For 5,000 PSI Concrete, Add	*4.24*	
		For White Facing, Add	*14.15*	
		For Solid White Through Thickness, Add	*14.15*	
		For Broken Rib Finish, Add	*7.07*	
		For Fluted Surface, Add	*7.07*	
		For Exposed Aggregate, Add	*14.15*	
		For Sandblasting Of Surface, Add	*7.07*	
		For 2" Polystyrene Insulation, Add	*2.21*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	93.21	
		For 3,500 PSI Concrete, Add	*1.86*	
		For 4,000 PSI Concrete, Add	*2.80*	
		For 4,500 PSI Concrete, Add	*3.73*	
		For 5,000 PSI Concrete, Add	*5.59*	
		For White Facing, Add	*18.64*	
		For Solid White Through Thickness, Add	*18.64*	
		For Broken Rib Finish, Add	*9.32*	
		For Fluted Surface, Add	*9.32*	
		For Exposed Aggregate, Add	*18.64*	
		For Sandblasting Of Surface, Add	*9.32*	
		For 2" Polystyrene Insulation, Add	*2.21*	

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	313.17	250.49
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	348.13	278.54
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	391.88	313.49
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	448.22	358.57
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	481.31	385.08
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	523.46	418.76
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	569.17	455.38
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	629.08	503.28

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	394.21	315.40
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	438.23	350.52
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	493.31	394.67
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	564.21	451.37
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	605.87	484.66
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	658.94	527.12
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	716.46	573.24
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	791.89	633.47
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	876.46	701.18
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	992.03	793.57
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,128.43	902.75
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,308.33	1,046.62

03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	45.41	
		For 4,000 PSI Concrete, Add	*1.36*	
		For 4,500 PSI Concrete, Add	*1.82*	
		For 5,000 PSI Concrete, Add	*2.72*	
		For White Facing, Add	*9.08*	
		For Solid White Through Thickness, Add	*9.08*	
		For Broken Rib Finish, Add	*4.54*	
		For Fluted Surface, Add	*4.54*	
		For Exposed Aggregate, Add	*9.08*	
		For Sandblasting Of Surface, Add	*4.54*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	55.92	
		For 4,000 PSI Concrete, Add	*1.68*	
		For 4,500 PSI Concrete, Add	*2.24*	
		For 5,000 PSI Concrete, Add	*3.36*	
		For White Facing, Add	*11.18*	
		For Solid White Through Thickness, Add	*11.18*	
		For Broken Rib Finish, Add	*5.59*	
		For Fluted Surface, Add	*5.59*	
		For Exposed Aggregate, Add	*11.18*	
		For Sandblasting Of Surface, Add	*5.59*	
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	66.92	
		For 4,000 PSI Concrete, Add	*2.01*	
		For 4,500 PSI Concrete, Add	*2.68*	
		For 5,000 PSI Concrete, Add	*4.02*	
		For White Facing, Add	*13.38*	
		For Solid White Through Thickness, Add	*13.38*	
		For Broken Rib Finish, Add	*6.69*	
		For Fluted Surface, Add	*6.69*	
		For Exposed Aggregate, Add	*13.38*	
		For Sandblasting Of Surface, Add	*6.69*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	88.43	
		For 4,000 PSI Concrete, Add	*2.65*	
		For 4,500 PSI Concrete, Add	*3.54*	
		For 5,000 PSI Concrete, Add	*5.31*	
		For White Facing, Add	*17.69*	
		For Solid White Through Thickness, Add	*17.69*	
		For Broken Rib Finish, Add	*8.84*	
		For Fluted Surface, Add	*8.84*	
		For Exposed Aggregate, Add	*17.69*	
		For Sandblasting Of Surface, Add	*8.84*	

03 41 19 00-0058 Cladding Panels *(03 41 19)*

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	416.01	332.75
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	465.33	372.24
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	527.93	422.31
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	564.21	451.37
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	605.87	484.66
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	658.94	527.12
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	716.46	573.24
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	791.89	633.47

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	461.00	368.74
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	515.66	412.52
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	585.01	467.95
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	625.23	500.19
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	671.39	537.14
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	730.20	584.11
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	793.95	635.09
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	877.52	702.06
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	971.23	776.95
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,099.31	879.49
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,250.46	1,000.37
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,449.81	1,159.87

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	45.41	
		For 3,500 PSI Concrete, Add	*0.91*	
		For 4,000 PSI Concrete, Add	*1.36*	
		For 4,500 PSI Concrete, Add	*1.82*	
		For 5,000 PSI Concrete, Add	*2.72*	
		For White Facing, Add	*9.08*	
		For Solid White Through Thickness, Add	*9.08*	
		For Broken Rib Finish, Add	*4.54*	
		For Fluted Surface, Add	*4.54*	
		For Exposed Aggregate, Add	*9.08*	
		For Sandblasting Of Surface, Add	*4.54*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	55.92	
		For 3,500 PSI Concrete, Add	*1.12*	
		For 4,000 PSI Concrete, Add	*1.68*	
		For 4,500 PSI Concrete, Add	*2.24*	
		For 5,000 PSI Concrete, Add	*3.36*	
		For White Facing, Add	*11.18*	
		For Solid White Through Thickness, Add	*11.18*	
		For Broken Rib Finish, Add	*5.59*	
		For Fluted Surface, Add	*5.59*	
		For Exposed Aggregate, Add	*11.18*	
		For Sandblasting Of Surface, Add	*5.59*	
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	66.92	
		For 3,500 PSI Concrete, Add	*1.34*	
		For 4,000 PSI Concrete, Add	*2.01*	
		For 4,500 PSI Concrete, Add	*2.68*	
		For 5,000 PSI Concrete, Add	*4.02*	
		For White Facing, Add	*13.38*	
		For Solid White Through Thickness, Add	*13.38*	
		For Broken Rib Finish, Add	*6.69*	
		For Fluted Surface, Add	*6.69*	
		For Exposed Aggregate, Add	*13.38*	
		For Sandblasting Of Surface, Add	*6.69*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	88.43	
		For 3,500 PSI Concrete, Add	*1.77*	
		For 4,000 PSI Concrete, Add	*2.65*	
		For 4,500 PSI Concrete, Add	*3.54*	
		For 5,000 PSI Concrete, Add	*5.31*	
		For White Facing, Add	*17.69*	
		For Solid White Through Thickness, Add	*17.69*	
		For Broken Rib Finish, Add	*8.84*	
		For Fluted Surface, Add	*8.84*	
		For Exposed Aggregate, Add	*17.69*	
		For Sandblasting Of Surface, Add	*8.84*	

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	416.01	332.75
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	465.33	372.24
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	527.93	422.31
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	564.21	451.37
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	605.87	484.66
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	658.94	527.12
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	716.46	573.24
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	791.89	633.47

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	416.87	333.44
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	466.29	373.01
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	529.02	423.19
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	565.38	452.30
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	607.12	485.66
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	660.30	528.21
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	717.94	574.43
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	793.52	634.78
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	878.27	702.63
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	994.08	795.21
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,130.76	904.61
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,311.03	1,048.78

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	62.14	
		For 3,500 PSI Concrete, Add	*1.24*	
		For 4,000 PSI Concrete, Add	*1.86*	
		For 4,500 PSI Concrete, Add	*2.49*	
		For 5,000 PSI Concrete, Add	*3.73*	
		For White Facing, Add	*12.43*	
		For Solid White Through Thickness, Add	*12.43*	
		For Broken Rib Finish, Add	*6.21*	
		For Fluted Surface, Add	*6.21*	
		For Exposed Aggregate, Add	*12.43*	
		For Sandblasting Of Surface, Add	*6.21*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	73.13	
		For 3,500 PSI Concrete, Add	*1.46*	
		For 4,000 PSI Concrete, Add	*2.19*	
		For 4,500 PSI Concrete, Add	*2.93*	
		For 5,000 PSI Concrete, Add	*4.39*	
		For White Facing, Add	*14.63*	
		For Solid White Through Thickness, Add	*14.63*	
		For Broken Rib Finish, Add	*7.31*	
		For Fluted Surface, Add	*7.31*	
		For Exposed Aggregate, Add	*14.63*	
		For Sandblasting Of Surface, Add	*7.31*	
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	85.08	
		For 3,500 PSI Concrete, Add	*1.70*	
		For 4,000 PSI Concrete, Add	*2.55*	
		For 4,500 PSI Concrete, Add	*3.40*	
		For 5,000 PSI Concrete, Add	*5.10*	
		For White Facing, Add	*17.02*	
		For Solid White Through Thickness, Add	*17.02*	
		For Broken Rib Finish, Add	*8.51*	
		For Fluted Surface, Add	*8.51*	
		For Exposed Aggregate, Add	*17.02*	
		For Sandblasting Of Surface, Add	*8.51*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	107.55	
		For 3,500 PSI Concrete, Add	*2.15*	
		For 4,000 PSI Concrete, Add	*3.23*	
		For 4,500 PSI Concrete, Add	*4.30*	
		For 5,000 PSI Concrete, Add	*6.45*	
		For White Facing, Add	*21.51*	
		For Solid White Through Thickness, Add	*21.51*	
		For Broken Rib Finish, Add	*10.76*	
		For Fluted Surface, Add	*10.76*	
		For Exposed Aggregate, Add	*21.51*	
		For Sandblasting Of Surface, Add	*10.76*	

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	438.23	350.52
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	465.33	372.24
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	493.31	394.67
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	527.93	422.31
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	564.21	451.37
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	605.87	484.66
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	658.94	527.12
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	716.46	573.24

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	438.23	350.52
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	465.33	372.24
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	493.31	394.67
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	527.93	422.31
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	564.21	451.37
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	605.87	484.66
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	658.94	527.12
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	716.46	573.24

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	957.95	
		For 3,500 PSI Concrete, Add	*125.01*	
		For 4,000 PSI Concrete, Add	*234.89*	
		For 4,500 PSI Concrete, Add	*345.25*	
		For 5,000 PSI Concrete, Add	*469.68*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001		**Precast Beams, Girder And Joists** *(03 41 26)*		
03 41 26 00-0002		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	546.65	437.38
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	585.01	467.95
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	625.23	500.19
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	671.39	537.14
03 41 26 00-0007		**Erection Costs Using A 125 Ton Crawler Crane** *(03 41 26 00-0001)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	685.97	548.73
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	734.11	587.33
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	784.57	627.66
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	842.49	673.95
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	916.29	733.10
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	996.28	796.97
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,101.16	880.92
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,218.76	975.07
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	191.56	
		For 3,500 PSI Concrete, Add	*5.23*	
		For 4,000 PSI Concrete, Add	*7.85*	
		For 4,500 PSI Concrete, Add	*10.46*	
		For 5,000 PSI Concrete, Add	*15.71*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	239.45	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 4,000 PSI Concrete, Add	*9.82*	
		For 4,500 PSI Concrete, Add	*13.07*	
		For 5,000 PSI Concrete, Add	*19.63*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	287.34	
		For 3,500 PSI Concrete, Add	*7.84*	
		For 4,000 PSI Concrete, Add	*11.78*	
		For 4,500 PSI Concrete, Add	*15.69*	
		For 5,000 PSI Concrete, Add	*23.56*	
03 41 26 00-0021		**3,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	239.45	
		For 3,500 PSI Concrete, Add	*6.54*	
		For 4,000 PSI Concrete, Add	*9.82*	
		For 4,500 PSI Concrete, Add	*13.07*	
		For 5,000 PSI Concrete, Add	*19.63*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	287.34	
		For 3,500 PSI Concrete, Add	*7.84*	
		For 4,000 PSI Concrete, Add	*11.78*	
		For 4,500 PSI Concrete, Add	*15.69*	
		For 5,000 PSI Concrete, Add	*23.56*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	383.12	
		For 3,500 PSI Concrete, Add	*10.46*	
		For 4,000 PSI Concrete, Add	*15.71*	
		For 4,500 PSI Concrete, Add	*20.92*	
		For 5,000 PSI Concrete, Add	*31.42*	
03 41 26 00-0025		**5,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	335.23	
		For 3,500 PSI Concrete, Add	*9.15*	
		For 4,000 PSI Concrete, Add	*13.74*	
		For 4,500 PSI Concrete, Add	*18.30*	
		For 5,000 PSI Concrete, Add	*27.49*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	383.12	
		For 3,500 PSI Concrete, Add	*10.46*	
		For 4,000 PSI Concrete, Add	*15.71*	
		For 4,500 PSI Concrete, Add	*20.92*	
		For 5,000 PSI Concrete, Add	*31.42*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	478.91	
		For 3,500 PSI Concrete, Add	*13.07*	
		For 4,000 PSI Concrete, Add	*19.64*	
		For 4,500 PSI Concrete, Add	*26.15*	
		For 5,000 PSI Concrete, Add	*39.27*	
03 41 26 00-0029		**Precast Concrete Columns** *(03 41 26)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0030		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0029)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	316.30	253.00
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	336.29	268.98
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	360.41	288.35
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	386.59	309.26
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	416.87	333.44
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	452.30	361.84
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	494.33	395.48
03 41 26 00-0038		**Material Cost** *(03 41 26 00-0029)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039		**12" x 12" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	991.49	
		For 3,500 PSI Concrete, Add	*74.36*	
		For 4,000 PSI Concrete, Add	*139.80*	
		For 4,500 PSI Concrete, Add	*206.23*	
		For 5,000 PSI Concrete, Add	*280.59*	
03 41 26 00-0041		**16" x 16" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	1,015.97	
		For 3,500 PSI Concrete, Add	*76.20*	
		For 4,000 PSI Concrete, Add	*143.25*	
		For 4,500 PSI Concrete, Add	*211.32*	
		For 5,000 PSI Concrete, Add	*287.52*	
03 41 26 00-0043		**20" x 20" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	
03 41 26 00-0045		**24" x 24" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	
03 41 26 00-0047		**28" x 28" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	
03 41 26 00-0049		**32" x 32" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	1,015.97	
		For 3,500 PSI Concrete, Add	*76.20*	
		For 4,000 PSI Concrete, Add	*143.25*	
		For 4,500 PSI Concrete, Add	*211.32*	
		For 5,000 PSI Concrete, Add	*287.52*	
03 41 26 00-0051		**36" x 36" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	1,017.93	
		For 3,500 PSI Concrete, Add	*76.34*	
		For 4,000 PSI Concrete, Add	*143.53*	
		For 4,500 PSI Concrete, Add	*211.73*	
		For 5,000 PSI Concrete, Add	*288.07*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		**Slabs, Roof And Floor Members** *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	20.20	2.59
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	25.19	2.59
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	30.18	2.72
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	35.19	2.85
03 41 33 00-0006		**Tee Members** *(03 41 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0007		**Multiple Tee, Roof And Floor** *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	45.43	3.36
03 41 33 00-0009		**Double Tee Wall Member** *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	64.20	9.20
03 41 33 00-0011		**Single Tee, Short Span, Roof Members** *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	53.37	5.57
03 41 33 00-0013		**Single Tee, Long Span, Roof Members** *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	64.08	4.79
03 41 33 00-0015		**Prestressed Concrete Items** *(03 41 33)*		
03 41 33 00-0016		**Prestressed Quad Tee** *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	32.92	1.04
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	34.36	1.04
03 41 33 00-0019		**Prestressed Double Tee** *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	54.75	0.91
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	75.40	0.91
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	37.34	1.55
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	57.89	1.04
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	40.46	2.07
03 41 33 00-0025		**Prestressed Single Tee** *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	64.77	2.34
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	75.05	1.42
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	99.31	1.30
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	104.58	1.30
03 41 33 00-0030		**Prestressed Double Tee Floor Members** *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,751.39	373.02
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	18,240.06	414.48
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	30,518.55	466.28
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,554.81	339.22
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,608.86	373.02
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	11,003.72	373.02
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	12,252.91	414.48
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,670.41	466.28
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	28,207.26	533.12
03 41 33 00-0040		**Prestressed Double Tee Roof Members** *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	13,159.09	373.02
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	17,282.12	414.48
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	28,363.17	466.28
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,805.98	339.22
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	9,279.42	373.02
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	10,285.26	373.02
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,576.51	414.48
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,994.00	466.28
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	24,136.00	533.12
03 41 33 00-0050		**Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab** *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	34.78	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	36.22	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	37.90	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	39.14	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	41.82	
03 41 33 00-0056		**Double And Single Tees** *(03 41 33)*		
03 41 33 00-0057		**Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	42.03	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	41.04	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	38.76	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	42.03	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	41.90	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	64.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	63.02	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	59.02	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	64.45	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	60.44	
03 41 33 00-0068		Double And Single Tees With 24" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	43.32	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	42.33	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	40.92	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	43.32	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	41.90	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	66.17	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	64.75	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	62.47	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	66.17	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	64.32	
03 41 33 00-0079		Double And Single Tees With 32" Roof And Floor Loading *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	45.66	
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	44.22	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	42.79	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	70.23	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	67.92	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	65.21	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001		Precast Concrete Splash Blocks *(03 48 16)*		
03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	44.34	4.31

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001		Installation Cost *(03 48 21)*		
		Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.		
03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	178.46	80.34
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	214.03	96.28
03 48 21 00-0004		Material Cost *(03 48 21)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.		
03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,784.01	
		For 3,500 PSI Concrete, Add	*246.91*	
		For 4,000 PSI Concrete, Add	*463.92*	
		For 4,500 PSI Concrete, Add	*681.88*	
		For 5,000 PSI Concrete, Add	*927.65*	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,927.70	
		For 3,500 PSI Concrete, Add	*256.28*	
		For 4,000 PSI Concrete, Add	*481.54*	
		For 4,500 PSI Concrete, Add	*707.77*	
		For 5,000 PSI Concrete, Add	*962.88*	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,071.40	
		For 3,500 PSI Concrete, Add	*265.66*	
		For 4,000 PSI Concrete, Add	*499.15*	
		For 4,500 PSI Concrete, Add	*733.67*	
		For 5,000 PSI Concrete, Add	*998.10*	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,262.99	
		For 3,500 PSI Concrete, Add	*278.16*	
		For 4,000 PSI Concrete, Add	*522.64*	
		For 4,500 PSI Concrete, Add	*768.19*	
		For 5,000 PSI Concrete, Add	*1,045.07*	

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001		Sun Screen Blades *(03 48 22)*		
03 48 22 00-0002		Installation Cost *(03 48 22 00-0001)*		
		Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.		
03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	89.22	40.17
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	107.20	48.21
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	133.94	60.32
03 48 22 00-0006		Material Cost *(03 48 22 00-0001)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,023.50	
		For 3,500 PSI Concrete, Add	*262.53*	
		For 4,000 PSI Concrete, Add	*493.28*	
		For 4,500 PSI Concrete, Add	*725.03*	
		For 5,000 PSI Concrete, Add	*986.36*	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,167.19	
		For 3,500 PSI Concrete, Add	*271.91*	
		For 4,000 PSI Concrete, Add	*510.90*	
		For 4,500 PSI Concrete, Add	*750.93*	
		For 5,000 PSI Concrete, Add	*1,021.59*	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,358.79	
		For 3,500 PSI Concrete, Add	*284.41*	
		For 4,000 PSI Concrete, Add	*534.39*	
		For 4,500 PSI Concrete, Add	*785.45*	
		For 5,000 PSI Concrete, Add	*1,068.56*	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,550.39	
		For 3,500 PSI Concrete, Add	*296.91*	
		For 4,000 PSI Concrete, Add	*557.88*	
		For 4,500 PSI Concrete, Add	*819.98*	
		For 5,000 PSI Concrete, Add	*1,115.53*	

03 48 22 00-0011 Sun Screen/Trellis Units *(03 48 22)*

03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	416.01	187.18
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	465.33	209.47
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	527.93	237.53
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	564.21	253.90

03 48 22 00-0017 Material Cost *(03 48 22 00-0011)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,646.18	
		For 3,500 PSI Concrete, Add	*303.16*	
		For 4,000 PSI Concrete, Add	*569.62*	
		For 4,500 PSI Concrete, Add	*837.24*	
		For 5,000 PSI Concrete, Add	*1,139.01*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,789.88	
		For 3,500 PSI Concrete, Add	*312.54*	
		For 4,000 PSI Concrete, Add	*587.24*	
		For 4,500 PSI Concrete, Add	*863.14*	
		For 5,000 PSI Concrete, Add	*1,174.24*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,981.48	
		For 3,500 PSI Concrete, Add	*325.04*	
		For 4,000 PSI Concrete, Add	*610.73*	
		For 4,500 PSI Concrete, Add	*897.66*	
		For 5,000 PSI Concrete, Add	*1,221.21*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,220.97	
		For 3,500 PSI Concrete, Add	*340.67*	
		For 4,000 PSI Concrete, Add	*640.09*	
		For 4,500 PSI Concrete, Add	*940.82*	
		For 5,000 PSI Concrete, Add	*1,279.92*	

03 48 24 Precast Minaret Segments *(03 48)*

03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.

03 48 24 00-0002 L - Shaped Segments *(03 48 24 00-0001)*

03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	404.82	323.86
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	453.64	362.93
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	512.93	410.32
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	547.12	437.69

03 48 24 00-0007 O - Shaped Segments *(03 48 24 00-0001)*

03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	427.84	342.34
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	480.18	384.09
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	543.82	435.01
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	582.42	465.90

03 48 24 00-0012 Platform Segment *(03 48 24 00-0001)*

03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	820.68	656.60
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	992.03	793.57
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,100.91	880.74
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,236.64	989.35

03 48 24 00-0017 Cap Segment *(03 48 24 00-0001)*

03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	449.13	359.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	501.53	401.16
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	571.36	457.02
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	609.97	487.91
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		L - Shaped Segments *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	405.66	324.53
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	454.58	363.68
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	513.99	411.17
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	548.25	438.60
03 48 24 00-0028		O - Shaped Segment *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	428.73	343.05
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	481.17	384.89
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	544.94	435.91
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	583.62	466.86
03 48 24 00-0033		Platform Segment *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	655.52	524.40
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	793.52	634.78
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	878.27	702.63
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	994.08	795.21
03 48 24 00-0038		Cap Segment *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	450.06	360.00
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	502.56	401.99
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	572.54	457.96
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	611.23	488.92
03 48 24 00-0043		Material Costs *(03 48 24)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,495.07	
03 48 29		**Precast Accessories** *(03 48)*		
		Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		Bearing Pads For Precast Members *(03 48 29)*		
03 48 29 00-0002		Continuous 2" Wide Strips *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.39	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.91	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	3.05	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	4.22	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	5.45	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	7.77	
03 48 29 00-0009		Bearing Pad Pipe Supports *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	96.29	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	61.74	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	16.30	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		Installation Cost Using A 90 Ton Crawler Crane *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	585.01	263.29
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	649.59	292.33
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	730.20	328.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 46 00-0005		Material Cost *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,809.17	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	118.24	
03 48 49 00-0002	SF	4" Thick Precast Landing	137.97	
03 48 49 00-0003	SF	5" Thick Precast Landing	156.60	
03 48 49 00-0004	SF	6" Thick Precast Landing	180.50	
03 48 54		**Precast Concrete Blocks** *(03 48)*		
03 48 54 00-0001		Precast Interlocking Concrete Blocks *(03 48 54)*		
		Note: Includes lifting loop		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	158.90	47.49
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	189.90	53.42
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	220.89	59.36
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	299.03	65.30
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	359.36	71.23

03 50 Cast Decks and Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001		Cement Fiber Tongue And Groove Planks *(03 51 13)*		
03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.26	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.42	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.63	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.19	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.82	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.54	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.41	

03 51 16 Gypsum Concrete Roof Decks *(03 51)*

03 51 16 00-0001		Class A Gypsum Fill Concrete Deck *(03 51 16)*		
03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	13.23	0.65
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	16.41	0.75
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	19.59	0.86
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.81	0.96
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	26.06	1.08
03 51 16 00-0007		Form Board For Lightweight Deck *(03 51 16)*		
03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.72	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.62	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	7.46	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	3.01	0.72
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.65	0.72
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	4.05	0.72
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	5.01	0.72
03 51 16 00-0015		Gypsum Plank *(03 51 16)*		
03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.29	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.59	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping *(03 53)*

03 53 14 00-0001		Granolithic Topping Laid After *(03 53 14)*		
		Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.90	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.27	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.56	

03 53 19 Concrete Overlayment *(03 53)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 53 19 00-0001		Integral Topping Including Hard Trowel Finish *(03 53 19)*		
		Note: Using 1:1:2 mix.		
03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.90	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.24	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.78	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.46	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.28	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.30	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.91	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001		Self Leveling Cementitious Underlayment For Floors *(03 54 16)*		
		Note: Includes primer.		
03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	2.02	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.48	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	4.93	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	6.39	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	7.85	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.17*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	9.35	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	12.27	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.19*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	15.23	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.22*	
		For >100 To 250 SF, Add	*0.11*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	18.14	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.22*	
		For >100 To 250 SF, Add	*0.11*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	21.17	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.27*	
		For >100 To 250 SF, Add	*0.14*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001		Cementitious Flowable Grout *(03 61 16)*		
03 61 16 00-0002	CY	Cementitious Flowable Grout	496.44	

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001		Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	30.16	
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.42	
03 62 13 00-0004		Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*		
03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	44.65	
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	70.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 13 00-0007		Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*		
03 62 13 00-0008		1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.33	
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.04	
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	4.03	
03 62 13 00-0012		1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*		
03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.42	
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.52	
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	6.01	
03 62 16		**Metallic Non-Shrink Grouting** *(03 62)*		
03 62 16 00-0001		Metallic Non-Shrink Grouting For Bases *(03 62 16)*		
03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	38.42	
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	58.68	
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.94	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.45	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.27	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.66	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.34	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.46	
03 63		**Epoxy Grouting** *(03 60)*		
03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)*		
		Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.47	
		For Color, Add	*1.16*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	6.18	
		For Color, Add	*1.74*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.91	
		For Color, Add	*2.33*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.47	
		For Color, Add	*2.91*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	11.04	
		For Color, Add	*3.50*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	14.30	
		For Color, Add	*4.67*	
03 64		**Injection Grouting** *(03 60)*		
		Note: By volume of void filled. Includes injection ports.		
03 64 23		**Epoxy Injection Grouting** *(03 64)*		
03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,413.56	
		For >4, Deduct	*-149.38*	
03 64 26		**Cementitious Injection Grouting** *(03 64)*		
03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	248.54	
		For >4, Deduct	*-64.09*	
03 80		**Concrete Cutting and Boring** *(03)*		
03 81		**Concrete Cutting** *(03 80)*		
03 81 13		**Flat Concrete Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0057 for saw cutting.		
03 81 16		**Track Mounted Concrete Wall Sawing** *(03 81)*		
		See CSI section 02 41 19 13-0057 for saw cutting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0080 for core drilling.

END OF SECTION 03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes cleanup of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Masonry Repair (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		26.45	
		For Up To 10, Add		*11.29*	
		For >10 To 50, Add		*5.65*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		38.40	
		For Up To 10, Add		*11.29*	
		For >10 To 50, Add		*5.65*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		51.37	
		For Up To 10, Add		*11.29*	
		For >10 To 50, Add		*5.65*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		29.04	
		For Up To 10, Add		*11.29*	
		For >10 To 50, Add		*5.65*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		43.00	
		For Up To 10, Add		*11.29*	
		For >10 To 50, Add		*5.65*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)		58.27	
		For Up To 10, Add		*11.29*	
		For >10 To 50, Add		*5.65*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		69.95	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		76.74	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		234.22	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		69.95	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		76.74	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		84.46	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		98.97	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)		234.22	
		For Up To 10, Add		*45.17*	
		For >10 To 50, Add		*22.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*		
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	73.65	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	81.67	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	265.01	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	73.65	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	81.67	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	90.62	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	107.60	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	265.01	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0030		Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031		304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.30	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.52	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.74	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.95	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.17	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	19.39	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.30	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.52	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.74	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.95	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	18.17	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	20.60	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.30	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.74	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	17.56	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*			
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		13.30	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		14.52	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		15.74	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		16.95	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		18.17	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		19.39	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		13.30	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		14.52	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		15.74	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		16.95	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		18.17	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)		20.60	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		13.30	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		15.74	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)		17.56	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*			
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.			
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*			
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.44	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
		For Metal Stud Clip, Add		*2.96*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.88	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
		For Metal Stud Clip, Add		*2.96*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		10.97	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
		For Metal Stud Clip, Add		*2.96*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)		11.15	
		For Up To 10, Add		*6.78*	
		For >10 To 50, Add		*3.39*	
		For Metal Stud Clip, Add		*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.46	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.73	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.87	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.04	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.82	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.92	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.86	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.65	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.33	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.72	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.84	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.66	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.59	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.06	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.49	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.87	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.11	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.28	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.56	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.68	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.23	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.02	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.67	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.50	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.98	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.49	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	26.38	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.62	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.90	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.08	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.21	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.60	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.22	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.45	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.07	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.34	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.88	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.25	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.50	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.67	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.07	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	5.57	
		For Up To 10, Add	*3.39*	
		For >10 To 50, Add	*1.70*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.14	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.68	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.79	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.01	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.41	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.74	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.91	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.13	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.93	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.08	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.25	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.23	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.08	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	20.07	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.48	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	26.01	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.42	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.95	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.49	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.96	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.27	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.47	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.83	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.97	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.62	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.50	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.32	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.35	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	22.95	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	25.62	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	30.49	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.72	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.03	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.25	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.42	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.90	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.68	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.93	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.70	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.51	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.18	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.65	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	14.96	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.16	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	15.66	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
		For Metal Stud Clip, Add	*2.96*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	6.10	
		For Up To 10, Add	*3.39*	
		For >10 To 50, Add	*1.70*	
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)* Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.75	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.81	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	9.12	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	9.21	
		For Up To 10, Add	*6.78*	
		For >10 To 50, Add	*3.39*	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)* Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	56.40	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	58.10	
		For Up To 10, Add	*45.17*	
		For >10 To 50, Add	*22.59*	
04 01 20 41-0170		Unit Masonry Stabilization *(04 01 20 41)*		
04 01 20 41-0171		Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.	92.95	
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.	99.79	
04 01 20 51		**Unit Masonry Maintenance** *(04 01 20)*		
04 01 20 51-0001		Repair Masonry *(04 01 20 51)* Note: Includes mortar for repair.		
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping Note: Including Replacement Of Damaged Material	22.28	
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors Note: Including Replacement Of Damaged Material	20.72	
04 01 20 51-0004	CF	Remove And Reset Coping, Including New Ties	52.83	
		For Temporary Storage And Cleaning, Add	*48.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 51-0005	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	5.19	
04 01 20 51-0006	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	8.34	
04 01 20 51-0007	EA	Cutout Individual Damaged Brick And Replace With New Brick	15.14	
04 01 20 51-0008	LF	Pressure Grout Block/Brick, Portland Cement Base, Using LA City RGA Rule Of General Application 1-91	411.74	
04 01 20 51-0009	LF	Pressure Grout Block/Brick, Portland Cement Base, Master Builders RHEOCEM 900	117.47	
04 01 20 51-0010	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	37.69	
		For Cracks Accessible From Both Sides, Add	*7.66*	
04 01 20 51-0011	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	33.30	
		For Cracks Accessible From Both Sides, Add	*7.66*	
04 01 20 51-0012	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	8.85	
		For V-Grooving Crack With Grinder, Add	*6.32*	
04 01 20 51-0013	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	11.95	
		For V-Grooving Crack With Grinder, Add	*5.99*	
04 01 20 51-0014		Grind Unit Masonry *(04 01 20 51)*		
04 01 20 51-0015	SF	Grind Smooth Masonry Wall	4.43	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	11.28	
		For Common Bond, Add	*0.42*	
		For Flemish Bond, Add	*1.48*	
		For English Bond, Add	*2.43*	
		For Oversized Or Larger Than Standard, Deduct	*-1.69*	
		For >250 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-1.09*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	7.89	
		For Common Bond, Add	*0.29*	
		For Flemish Bond, Add	*1.01*	
		For English Bond, Add	*1.65*	
		For Oversized Or Larger Than Standard, Deduct	*-1.18*	
		For >250 To 1,000, Deduct	*-0.36*	
		For >1,000, Deduct	*-0.75*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	6.02	
		For Common Bond, Add	*0.21*	
		For Oversized Or Larger Than Standard, Deduct	*-0.90*	
		For >250 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.57*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	4.33	
		For Common Bond, Add	*0.14*	
		For Oversized Or Larger Than Standard, Deduct	*-0.65*	
		For >250 To 1,000, Deduct	*-0.18*	
		For >1,000, Deduct	*-0.40*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	3.54	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001		Chimney Cleaning *(04 01 50 52)*		
04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.68	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	15.34	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	23.02	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	8.48	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	7.82	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	8.03	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	8.79	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	9.27	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar		0.42	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar		0.08	

04 05 13 26-0010 Color Admixtures For Mortar *(04 05 13 26)*

Note: Costs are based on CF of mortar.

04 05 13 26-0011	CF	Buff Colored Admixture		2.69	
04 05 13 26-0012	CF	Brown Colored Admixture		3.05	
04 05 13 26-0013	CF	Black Colored Admixture		3.78	
04 05 13 26-0014	CF	Red Colored Admixture		8.27	

04 05 13 26-0015 Portland Cement *(04 05 13 26)*

04 05 13 26-0016	CF	Type I, Normal Portland Cement		14.34	
04 05 13 26-0017	CF	Type II, Modified Portland Cement		7.15	
04 05 13 26-0018	CF	Type III, High Early Strength Portland Cement		7.59	
04 05 13 26-0019	CF	Type I, White Non-Staining Portland Cement		15.89	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep		4.90	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep		5.35	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep		5.95	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep		6.64	

04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, (0.067 CF/SF) Grout Fill Block Solid		3.86	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, (0.175 CF/SF) Grout Fill Block Solid		5.57	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, (0.258 CF/SF) Grout Fill Block Solid		7.95	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, (0.34 CF/SF) Grout Fill Block Solid		9.75	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, (0.422 CF/SF) Grout Fill Block Solid		11.50	

04 05 16 26-0012 Grout Cavity Walls, Grout Fill *(04 05 16 26)*

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, (0.167 CF/SF) Grout Fill		4.49	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, (0.250 CF/SF) Grout Fill		6.33	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, (0.333 CF/SF) Grout Fill		7.94	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, (0.500 CF/SF) Grout Fill		10.74	

04 05 16 26-0017 Grout Frames, Grout Fill *(04 05 16 26)*

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill		7.07	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill		6.04	

04 05 16 26-0020 Sand Filled Walls *(04 05 16 26)*

04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, (0.167 CF/SF) Sand Fill		3.76	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, (0.250 CF/SF) Sand Fill		5.19	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, (0.333 CF/SF) Sand Fill		6.37	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, (0.500 CF/SF) Sand Fill		8.47	

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001 Continuous Joint Reinforcing *(04 05 19 13)*

04 05 19 13-0002 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0003 Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0004 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement		77.75	
		For Hot-Dipped Galvanized, Add		*16.77*	
		For Stainless Steel, Add		*67.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	82.47	
		For Hot-Dipped Galvanized, Add	*17.61*	
		For Stainless Steel, Add	*70.44*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.66	
		For Hot-Dipped Galvanized, Add	*18.56*	
		For Stainless Steel, Add	*74.24*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.98	
		For Hot-Dipped Galvanized, Add	*19.64*	
		For Stainless Steel, Add	*78.56*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	104.38	
		For Hot-Dipped Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*82.76*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.45	
		For Hot-Dipped Galvanized, Add	*21.21*	
		For Stainless Steel, Add	*84.82*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.02	
		For Hot-Dipped Galvanized, Add	*21.80*	
		For Stainless Steel, Add	*87.18*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.89	
		For Hot-Dipped Galvanized, Add	*29.96*	
		For Stainless Steel, Add	*119.84*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	173.13	
		For Hot-Dipped Galvanized, Add	*46.31*	
		For Stainless Steel, Add	*185.24*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.34	
		For Hot-Dipped Galvanized, Add	*26.06*	
		For Stainless Steel, Add	*104.22*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.26	
		For Hot-Dipped Galvanized, Add	*27.01*	
		For Stainless Steel, Add	*108.02*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.66	
		For Hot-Dipped Galvanized, Add	*28.06*	
		For Stainless Steel, Add	*112.24*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.77	
		For Hot-Dipped Galvanized, Add	*29.04*	
		For Stainless Steel, Add	*116.14*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	123.12	
		For Hot-Dipped Galvanized, Add	*30.06*	
		For Stainless Steel, Add	*120.24*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.27	
		For Hot-Dipped Galvanized, Add	*30.63*	
		For Stainless Steel, Add	*122.50*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.72	
		For Hot-Dipped Galvanized, Add	*31.14*	
		For Stainless Steel, Add	*124.56*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	160.60	
		For Hot-Dipped Galvanized, Add	*42.32*	
		For Stainless Steel, Add	*169.28*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	215.52	
		For Hot-Dipped Galvanized, Add	*67.52*	
		For Stainless Steel, Add	*270.06*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.36	
		For Hot-Dipped Galvanized, Add	*35.07*	
		For Stainless Steel, Add	*140.28*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.62	
		For Hot-Dipped Galvanized, Add	*37.00*	
		For Stainless Steel, Add	*147.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.87	
		For Hot-Dipped Galvanized, Add	*38.92*	
		For Stainless Steel, Add	*155.68*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.16	
		For Hot-Dipped Galvanized, Add	*41.23*	
		For Stainless Steel, Add	*164.92*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.40	
		For Hot-Dipped Galvanized, Add	*43.52*	
		For Stainless Steel, Add	*174.06*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.53	
		For Hot-Dipped Galvanized, Add	*44.75*	
		For Stainless Steel, Add	*178.98*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.47	
		For Hot-Dipped Galvanized, Add	*45.80*	
		For Stainless Steel, Add	*183.20*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	171.79	
		For Hot-Dipped Galvanized, Add	*47.91*	
		For Stainless Steel, Add	*191.62*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	239.68	
		For Hot-Dipped Galvanized, Add	*79.59*	
		For Stainless Steel, Add	*318.34*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.55	
		For Hot-Dipped Galvanized, Add	*38.17*	
		For Stainless Steel, Add	*152.66*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	125.24	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*155.98*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.44	
		For Hot-Dipped Galvanized, Add	*39.95*	
		For Stainless Steel, Add	*159.80*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	138.75	
		For Hot-Dipped Galvanized, Add	*41.03*	
		For Stainless Steel, Add	*164.10*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.17	
		For Hot-Dipped Galvanized, Add	*42.08*	
		For Stainless Steel, Add	*168.32*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	153.22	
		For Hot-Dipped Galvanized, Add	*42.59*	
		For Stainless Steel, Add	*170.36*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.79	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.72*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	178.67	
		For Hot-Dipped Galvanized, Add	*51.35*	
		For Stainless Steel, Add	*205.38*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.13	
		For Hot-Dipped Galvanized, Add	*47.46*	
		For Stainless Steel, Add	*189.82*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.07	
		For Hot-Dipped Galvanized, Add	*48.41*	
		For Stainless Steel, Add	*193.64*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	150.46	
		For Hot-Dipped Galvanized, Add	*49.46*	
		For Stainless Steel, Add	*197.84*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.58	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	165.94	
		For Hot-Dipped Galvanized, Add	*51.47*	
		For Stainless Steel, Add	*205.86*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.08	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	176.52	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.16*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	203.39	
		For Hot-Dipped Galvanized, Add	*63.72*	
		For Stainless Steel, Add	*254.86*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	258.34	
		For Hot-Dipped Galvanized, Add	*88.93*	
		For Stainless Steel, Add	*355.70*	

04 05 19 13-0053 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.13	
		For Hot-Dipped Galvanized, Add	*56.46*	
		For Stainless Steel, Add	*225.82*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	164.40	
		For Hot-Dipped Galvanized, Add	*58.39*	
		For Stainless Steel, Add	*233.54*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	171.66	
		For Hot-Dipped Galvanized, Add	*60.32*	
		For Stainless Steel, Add	*241.26*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.93	
		For Hot-Dipped Galvanized, Add	*62.62*	
		For Stainless Steel, Add	*250.46*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	192.20	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.31	
		For Hot-Dipped Galvanized, Add	*66.14*	
		For Stainless Steel, Add	*264.54*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	205.24	
		For Hot-Dipped Galvanized, Add	*67.19*	
		For Stainless Steel, Add	*268.74*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	214.56	
		For Hot-Dipped Galvanized, Add	*69.29*	
		For Stainless Steel, Add	*277.16*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	282.46	
		For Hot-Dipped Galvanized, Add	*100.98*	
		For Stainless Steel, Add	*403.90*	

04 05 19 13-0063 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	163.34	
		For Hot-Dipped Galvanized, Add	*59.56*	
		For Stainless Steel, Add	*238.24*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	168.03	
		For Hot-Dipped Galvanized, Add	*60.39*	
		For Stainless Steel, Add	*241.56*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.23	
		For Hot-Dipped Galvanized, Add	*61.35*	
		For Stainless Steel, Add	*245.38*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.54	
		For Hot-Dipped Galvanized, Add	*62.42*	
		For Stainless Steel, Add	*249.68*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	189.95	
		For Hot-Dipped Galvanized, Add	*63.47*	
		For Stainless Steel, Add	*253.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	196.01	
		For Hot-Dipped Galvanized, Add	*63.99*	
		For Stainless Steel, Add	*255.94*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.57	
		For Hot-Dipped Galvanized, Add	*64.57*	
		For Stainless Steel, Add	*258.28*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	221.45	
		For Hot-Dipped Galvanized, Add	*72.74*	
		For Stainless Steel, Add	*290.94*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	258.69	
		For Hot-Dipped Galvanized, Add	*89.10*	
		For Stainless Steel, Add	*356.38*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.92	
		For Hot-Dipped Galvanized, Add	*68.85*	
		For Stainless Steel, Add	*275.40*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	186.86	
		For Hot-Dipped Galvanized, Add	*69.81*	
		For Stainless Steel, Add	*279.22*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	193.25	
		For Hot-Dipped Galvanized, Add	*70.86*	
		For Stainless Steel, Add	*283.42*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.37	
		For Hot-Dipped Galvanized, Add	*71.84*	
		For Stainless Steel, Add	*287.34*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	208.73	
		For Hot-Dipped Galvanized, Add	*72.86*	
		For Stainless Steel, Add	*291.44*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	214.86	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	219.31	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	246.18	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.44*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	301.12	
		For Hot-Dipped Galvanized, Add	*110.32*	
		For Stainless Steel, Add	*441.26*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	199.91	
		For Hot-Dipped Galvanized, Add	*77.85*	
		For Stainless Steel, Add	*311.38*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	207.19	
		For Hot-Dipped Galvanized, Add	*79.78*	
		For Stainless Steel, Add	*319.12*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	214.45	
		For Hot-Dipped Galvanized, Add	*81.71*	
		For Stainless Steel, Add	*326.84*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	224.72	
		For Hot-Dipped Galvanized, Add	*84.01*	
		For Stainless Steel, Add	*336.04*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	234.98	
		For Hot-Dipped Galvanized, Add	*86.31*	
		For Stainless Steel, Add	*345.22*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	243.10	
		For Hot-Dipped Galvanized, Add	*87.53*	
		For Stainless Steel, Add	*350.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	248.03	
		For Hot-Dipped Galvanized, Add	*88.58*	
		For Stainless Steel, Add	*354.32*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	257.35	
		For Hot-Dipped Galvanized, Add	*90.69*	
		For Stainless Steel, Add	*362.74*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	325.25	
		For Hot-Dipped Galvanized, Add	*122.37*	
		For Stainless Steel, Add	*489.48*	
04 05 19 13-0093		Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0094		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	114.40	
		For Hot-Dipped Galvanized, Add	*28.50*	
		For Stainless Steel, Add	*113.98*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	126.02	
		For Hot-Dipped Galvanized, Add	*31.12*	
		For Stainless Steel, Add	*124.46*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.02	
		For Hot-Dipped Galvanized, Add	*33.43*	
		For Stainless Steel, Add	*133.70*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	146.06	
		For Hot-Dipped Galvanized, Add	*34.76*	
		For Stainless Steel, Add	*139.04*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	151.72	
		For Hot-Dipped Galvanized, Add	*35.99*	
		For Stainless Steel, Add	*143.96*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	162.95	
		For Hot-Dipped Galvanized, Add	*38.74*	
		For Stainless Steel, Add	*154.96*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	172.58	
		For Hot-Dipped Galvanized, Add	*41.00*	
		For Stainless Steel, Add	*164.00*	
04 05 19 13-0102		3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		
04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	137.56	
		For Hot-Dipped Galvanized, Add	*40.08*	
		For Stainless Steel, Add	*160.30*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	149.23	
		For Hot-Dipped Galvanized, Add	*42.72*	
		For Stainless Steel, Add	*170.88*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	159.97	
		For Hot-Dipped Galvanized, Add	*44.90*	
		For Stainless Steel, Add	*179.60*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	169.27	
		For Hot-Dipped Galvanized, Add	*46.37*	
		For Stainless Steel, Add	*185.46*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	174.88	
		For Hot-Dipped Galvanized, Add	*47.57*	
		For Stainless Steel, Add	*190.28*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	186.10	
		For Hot-Dipped Galvanized, Add	*50.32*	
		For Stainless Steel, Add	*201.26*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	196.04	
		For Hot-Dipped Galvanized, Add	*52.73*	
		For Stainless Steel, Add	*210.92*	
04 05 19 13-0110		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0111		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	148.80	
			For Hot-Dipped Galvanized, Add	*45.70*	
			For Stainless Steel, Add	*182.78*	
04 05 19 13-0112		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	163.14	
			For Hot-Dipped Galvanized, Add	*49.68*	
			For Stainless Steel, Add	*198.70*	
04 05 19 13-0113		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	177.32	
			For Hot-Dipped Galvanized, Add	*53.58*	
			For Stainless Steel, Add	*214.30*	
04 05 19 13-0114		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	187.85	
			For Hot-Dipped Galvanized, Add	*55.66*	
			For Stainless Steel, Add	*222.62*	
04 05 19 13-0115		CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	194.85	
			For Hot-Dipped Galvanized, Add	*57.56*	
			For Stainless Steel, Add	*230.22*	
04 05 19 13-0116		CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	208.70	
			For Hot-Dipped Galvanized, Add	*61.62*	
			For Stainless Steel, Add	*246.46*	
04 05 19 13-0117		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	221.76	
			For Hot-Dipped Galvanized, Add	*65.59*	
			For Stainless Steel, Add	*262.36*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.73	
			For Hot-Dipped Galvanized, Add	*59.66*	
			For Stainless Steel, Add	*238.64*	
04 05 19 13-0121		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	186.76	
			For Hot-Dipped Galvanized, Add	*61.49*	
			For Stainless Steel, Add	*245.94*	
04 05 19 13-0122		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.84	
			For Hot-Dipped Galvanized, Add	*63.34*	
			For Stainless Steel, Add	*253.34*	
04 05 19 13-0123		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	210.51	
			For Hot-Dipped Galvanized, Add	*65.39*	
			For Stainless Steel, Add	*261.54*	
04 05 19 13-0124		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	220.35	
			For Hot-Dipped Galvanized, Add	*67.44*	
			For Stainless Steel, Add	*269.76*	
04 05 19 13-0125		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	231.72	
			For Hot-Dipped Galvanized, Add	*70.57*	
			For Stainless Steel, Add	*282.28*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	213.03	
			For Hot-Dipped Galvanized, Add	*77.81*	
			For Stainless Steel, Add	*311.24*	
04 05 19 13-0128		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	223.11	
			For Hot-Dipped Galvanized, Add	*79.66*	
			For Stainless Steel, Add	*318.64*	
04 05 19 13-0129		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	233.65	
			For Hot-Dipped Galvanized, Add	*81.74*	
			For Stainless Steel, Add	*326.96*	
04 05 19 13-0130		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	246.86	
			For Hot-Dipped Galvanized, Add	*83.56*	
			For Stainless Steel, Add	*334.24*	
04 05 19 13-0131		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	256.75	
			For Hot-Dipped Galvanized, Add	*85.64*	
			For Stainless Steel, Add	*342.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	266.02	
		For Hot-Dipped Galvanized, Add	*87.72*	
		For Stainless Steel, Add	*350.88*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	215.70	
		For Hot-Dipped Galvanized, Add	*79.15*	
		For Stainless Steel, Add	*316.58*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	227.78	
		For Hot-Dipped Galvanized, Add	*82.00*	
		For Stainless Steel, Add	*327.98*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	239.81	
		For Hot-Dipped Galvanized, Add	*84.82*	
		For Stainless Steel, Add	*339.28*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	256.21	
		For Hot-Dipped Galvanized, Add	*88.24*	
		For Stainless Steel, Add	*352.94*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	268.72	
		For Hot-Dipped Galvanized, Add	*91.63*	
		For Stainless Steel, Add	*366.50*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	280.55	
		For Hot-Dipped Galvanized, Add	*94.99*	
		For Stainless Steel, Add	*379.94*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	189.89	
		For Hot-Dipped Galvanized, Add	*63.05*	
		For Stainless Steel, Add	*252.20*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	199.86	
		For Hot-Dipped Galvanized, Add	*64.85*	
		For Stainless Steel, Add	*259.38*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	213.03	
		For Hot-Dipped Galvanized, Add	*66.65*	
		For Stainless Steel, Add	*266.58*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	223.02	
		For Hot-Dipped Galvanized, Add	*68.78*	
		For Stainless Steel, Add	*275.10*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	232.24	
		For Hot-Dipped Galvanized, Add	*70.83*	
		For Stainless Steel, Add	*283.32*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	244.05	
		For Hot-Dipped Galvanized, Add	*74.96*	
		For Stainless Steel, Add	*299.84*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	226.24	
		For Hot-Dipped Galvanized, Add	*81.23*	
		For Stainless Steel, Add	*324.90*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	236.27	
		For Hot-Dipped Galvanized, Add	*83.05*	
		For Stainless Steel, Add	*332.20*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	249.95	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.42*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	259.32	
		For Hot-Dipped Galvanized, Add	*86.93*	
		For Stainless Steel, Add	*347.70*	

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04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	268.59	
		For Hot-Dipped Galvanized, Add	*89.01*	
		For Stainless Steel, Add	*356.02*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	280.87	
		For Hot-Dipped Galvanized, Add	*93.37*	
		For Stainless Steel, Add	*373.48*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	228.81	
		For Hot-Dipped Galvanized, Add	*82.51*	
		For Stainless Steel, Add	*330.04*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	240.89	
		For Hot-Dipped Galvanized, Add	*85.36*	
		For Stainless Steel, Add	*341.44*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	256.21	
		For Hot-Dipped Galvanized, Add	*88.24*	
		For Stainless Steel, Add	*352.94*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	268.72	
		For Hot-Dipped Galvanized, Add	*91.63*	
		For Stainless Steel, Add	*366.50*	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	280.55	
		For Hot-Dipped Galvanized, Add	*94.99*	
		For Stainless Steel, Add	*379.94*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	293.76	
		For Hot-Dipped Galvanized, Add	*99.82*	
		For Stainless Steel, Add	*399.26*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	177.93	
		For Hot-Dipped Galvanized, Add	*57.07*	
		For Stainless Steel, Add	*228.28*	
		For Seismic Hook And Eye, Add	*24.54*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	187.29	
		For Hot-Dipped Galvanized, Add	*58.56*	
		For Stainless Steel, Add	*234.24*	
		For Seismic Hook And Eye, Add	*25.18*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	200.04	
		For Hot-Dipped Galvanized, Add	*60.15*	
		For Stainless Steel, Add	*240.60*	
		For Seismic Hook And Eye, Add	*25.86*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	209.16	
		For Hot-Dipped Galvanized, Add	*61.85*	
		For Stainless Steel, Add	*247.38*	
		For Seismic Hook And Eye, Add	*26.59*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	217.81	
		For Hot-Dipped Galvanized, Add	*63.62*	
		For Stainless Steel, Add	*254.46*	
		For Seismic Hook And Eye, Add	*27.35*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	224.54	
		For Hot-Dipped Galvanized, Add	*65.21*	
		For Stainless Steel, Add	*260.82*	
		For Seismic Hook And Eye, Add	*28.04*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	212.02	
		For Hot-Dipped Galvanized, Add	*74.12*	
		For Stainless Steel, Add	*296.46*	
		For Seismic Hook And Eye, Add	*31.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	220.71	
		For Hot-Dipped Galvanized, Add	*75.27*	
		For Stainless Steel, Add	*301.08*	
		For Seismic Hook And Eye, Add	*32.37*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	233.57	
		For Hot-Dipped Galvanized, Add	*76.92*	
		For Stainless Steel, Add	*307.66*	
		For Seismic Hook And Eye, Add	*33.07*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	242.48	
		For Hot-Dipped Galvanized, Add	*78.51*	
		For Stainless Steel, Add	*314.02*	
		For Seismic Hook And Eye, Add	*33.76*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	250.77	
		For Hot-Dipped Galvanized, Add	*80.10*	
		For Stainless Steel, Add	*320.38*	
		For Seismic Hook And Eye, Add	*34.44*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	261.20	
		For Hot-Dipped Galvanized, Add	*83.54*	
		For Stainless Steel, Add	*334.14*	
		For Seismic Hook And Eye, Add	*35.92*	

04 05 19 13-0177 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	214.54	
		For Hot-Dipped Galvanized, Add	*75.38*	
		For Stainless Steel, Add	*301.50*	
		For Seismic Hook And Eye, Add	*32.41*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	226.36	
		For Hot-Dipped Galvanized, Add	*78.10*	
		For Stainless Steel, Add	*312.38*	
		For Seismic Hook And Eye, Add	*33.58*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	241.32	
		For Hot-Dipped Galvanized, Add	*80.79*	
		For Stainless Steel, Add	*323.16*	
		For Seismic Hook And Eye, Add	*34.74*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	253.52	
		For Hot-Dipped Galvanized, Add	*84.03*	
		For Stainless Steel, Add	*336.10*	
		For Seismic Hook And Eye, Add	*36.13*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	265.10	
		For Hot-Dipped Galvanized, Add	*87.26*	
		For Stainless Steel, Add	*349.04*	
		For Seismic Hook And Eye, Add	*37.52*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	275.07	
		For Hot-Dipped Galvanized, Add	*90.47*	
		For Stainless Steel, Add	*361.88*	
		For Seismic Hook And Eye, Add	*38.90*	

04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	191.09	
		For Hot-Dipped Galvanized, Add	*60.46*	
		For Stainless Steel, Add	*241.84*	
		For Seismic Hook And Eye, Add	*26.00*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	203.58	
		For Hot-Dipped Galvanized, Add	*61.92*	
		For Stainless Steel, Add	*247.68*	
		For Seismic Hook And Eye, Add	*26.63*	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	212.24	
		For Hot-Dipped Galvanized, Add	*63.39*	
		For Stainless Steel, Add	*253.54*	
		For Seismic Hook And Eye, Add	*27.26*	

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0189	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	221.10	
	For Hot-Dipped Galvanized, Add	*65.26*	
	For Stainless Steel, Add	*261.04*	
	For Seismic Hook And Eye, Add	*28.06*	
04 05 19 13-0190	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	228.03	
	For Hot-Dipped Galvanized, Add	*66.95*	
	For Stainless Steel, Add	*267.80*	
	For Seismic Hook And Eye, Add	*28.79*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	223.95	
	For Hot-Dipped Galvanized, Add	*76.89*	
	For Stainless Steel, Add	*307.56*	
	For Seismic Hook And Eye, Add	*33.06*	
04 05 19 13-0193	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	236.70	
	For Hot-Dipped Galvanized, Add	*78.48*	
	For Stainless Steel, Add	*313.92*	
	For Seismic Hook And Eye, Add	*33.75*	
04 05 19 13-0194	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	245.82	
	For Hot-Dipped Galvanized, Add	*80.18*	
	For Stainless Steel, Add	*320.70*	
	For Seismic Hook And Eye, Add	*34.48*	
04 05 19 13-0195	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	253.65	
	For Hot-Dipped Galvanized, Add	*81.54*	
	For Stainless Steel, Add	*326.14*	
	For Seismic Hook And Eye, Add	*35.06*	
04 05 19 13-0196	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	260.90	
	For Hot-Dipped Galvanized, Add	*83.39*	
	For Stainless Steel, Add	*333.54*	
	For Seismic Hook And Eye, Add	*35.86*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	227.33	
	For Hot-Dipped Galvanized, Add	*78.58*	
	For Stainless Steel, Add	*314.32*	
	For Seismic Hook And Eye, Add	*33.79*	
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	242.35	
	For Hot-Dipped Galvanized, Add	*81.31*	
	For Stainless Steel, Add	*325.22*	
	For Seismic Hook And Eye, Add	*34.96*	
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	253.52	
	For Hot-Dipped Galvanized, Add	*84.03*	
	For Stainless Steel, Add	*336.10*	
	For Seismic Hook And Eye, Add	*36.13*	
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	265.10	
	For Hot-Dipped Galvanized, Add	*87.26*	
	For Stainless Steel, Add	*349.04*	
	For Seismic Hook And Eye, Add	*37.52*	
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	275.07	
	For Hot-Dipped Galvanized, Add	*90.47*	
	For Stainless Steel, Add	*361.88*	
	For Seismic Hook And Eye, Add	*38.90*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.76	
	For Hot-Dipped Galvanized, Add	*23.77*	
	For Stainless Steel, Add	*95.08*	
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	95.31	
	For Hot-Dipped Galvanized, Add	*24.03*	
	For Stainless Steel, Add	*96.12*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	101.50	
		For Hot-Dipped Galvanized, Add	*24.98*	
		For Stainless Steel, Add	*99.92*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.12	
		For Hot-Dipped Galvanized, Add	*26.21*	
		For Stainless Steel, Add	*104.84*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	118.19	
		For Hot-Dipped Galvanized, Add	*27.60*	
		For Stainless Steel, Add	*110.38*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.72	
		For Hot-Dipped Galvanized, Add	*28.34*	
		For Stainless Steel, Add	*113.36*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.71	
		For Hot-Dipped Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*117.68*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.62	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.32*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.88	
		For Hot-Dipped Galvanized, Add	*43.70*	
		For Stainless Steel, Add	*174.78*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	237.34	
		For Hot-Dipped Galvanized, Add	*75.58*	
		For Stainless Steel, Add	*302.32*	
04 05 19 13-0216		**Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement** *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.16	
		For Hot-Dipped Galvanized, Add	*32.97*	
		For Stainless Steel, Add	*131.86*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.10	
		For Hot-Dipped Galvanized, Add	*33.43*	
		For Stainless Steel, Add	*133.70*	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.29	
		For Hot-Dipped Galvanized, Add	*34.38*	
		For Stainless Steel, Add	*137.50*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.86	
		For Hot-Dipped Galvanized, Add	*35.58*	
		For Stainless Steel, Add	*142.32*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.68	
		For Hot-Dipped Galvanized, Add	*36.84*	
		For Stainless Steel, Add	*147.36*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.44	
		For Hot-Dipped Galvanized, Add	*37.71*	
		For Stainless Steel, Add	*150.84*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.14	
		For Hot-Dipped Galvanized, Add	*38.64*	
		For Stainless Steel, Add	*154.54*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.37	
		For Hot-Dipped Galvanized, Add	*53.71*	
		For Stainless Steel, Add	*214.82*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	192.63	
		For Hot-Dipped Galvanized, Add	*56.07*	
		For Stainless Steel, Add	*224.28*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	292.34	
		For Hot-Dipped Galvanized, Add	*105.93*	
		For Stainless Steel, Add	*423.70*	
04 05 19 13-0227		**Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement** *(04 05 19 13-0204)*		
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.28	
		For Hot-Dipped Galvanized, Add	*47.03*	
		For Stainless Steel, Add	*188.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.87	
		For Hot-Dipped Galvanized, Add	*47.62*	
		For Stainless Steel, Add	*190.48*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.76	
		For Hot-Dipped Galvanized, Add	*49.37*	
		For Stainless Steel, Add	*197.46*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.21	
		For Hot-Dipped Galvanized, Add	*51.76*	
		For Stainless Steel, Add	*207.02*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.84	
		For Hot-Dipped Galvanized, Add	*54.74*	
		For Stainless Steel, Add	*218.94*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	180.23	
		For Hot-Dipped Galvanized, Add	*56.10*	
		For Stainless Steel, Add	*224.38*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.11	
		For Hot-Dipped Galvanized, Add	*58.12*	
		For Stainless Steel, Add	*232.48*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	239.15	
		For Hot-Dipped Galvanized, Add	*81.59*	
		For Stainless Steel, Add	*326.34*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	252.92	
		For Hot-Dipped Galvanized, Add	*86.21*	
		For Stainless Steel, Add	*344.82*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	384.28	
		For Hot-Dipped Galvanized, Add	*149.05*	
		For Stainless Steel, Add	*596.20*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.55	
		For Hot-Dipped Galvanized, Add	*38.17*	
		For Stainless Steel, Add	*152.66*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.24	
		For Hot-Dipped Galvanized, Add	*39.00*	
		For Stainless Steel, Add	*155.98*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.44	
		For Hot-Dipped Galvanized, Add	*39.95*	
		For Stainless Steel, Add	*159.80*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	138.75	
		For Hot-Dipped Galvanized, Add	*41.03*	
		For Stainless Steel, Add	*164.10*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.17	
		For Hot-Dipped Galvanized, Add	*42.08*	
		For Stainless Steel, Add	*168.32*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	153.22	
		For Hot-Dipped Galvanized, Add	*42.59*	
		For Stainless Steel, Add	*170.36*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.79	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.72*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	178.67	
		For Hot-Dipped Galvanized, Add	*51.35*	
		For Stainless Steel, Add	*205.38*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	139.13	
		For Hot-Dipped Galvanized, Add	*47.46*	
		For Stainless Steel, Add	*189.82*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.07	
		For Hot-Dipped Galvanized, Add	*48.41*	
		For Stainless Steel, Add	*193.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	150.46	
		For Hot-Dipped Galvanized, Add	*49.46*	
		For Stainless Steel, Add	*197.84*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.58	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.76*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	165.94	
		For Hot-Dipped Galvanized, Add	*51.47*	
		For Stainless Steel, Add	*205.86*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.08	
		For Hot-Dipped Galvanized, Add	*52.03*	
		For Stainless Steel, Add	*208.12*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	176.52	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.16*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	203.39	
		For Hot-Dipped Galvanized, Add	*63.72*	
		For Stainless Steel, Add	*254.86*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	258.34	
		For Hot-Dipped Galvanized, Add	*88.93*	
		For Stainless Steel, Add	*355.70*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	157.13	
		For Hot-Dipped Galvanized, Add	*56.46*	
		For Stainless Steel, Add	*225.82*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	164.40	
		For Hot-Dipped Galvanized, Add	*58.39*	
		For Stainless Steel, Add	*233.54*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	171.66	
		For Hot-Dipped Galvanized, Add	*60.32*	
		For Stainless Steel, Add	*241.26*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.93	
		For Hot-Dipped Galvanized, Add	*62.62*	
		For Stainless Steel, Add	*250.46*	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	192.20	
		For Hot-Dipped Galvanized, Add	*64.92*	
		For Stainless Steel, Add	*259.66*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	200.31	
		For Hot-Dipped Galvanized, Add	*66.14*	
		For Stainless Steel, Add	*264.54*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	205.24	
		For Hot-Dipped Galvanized, Add	*67.19*	
		For Stainless Steel, Add	*268.74*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	214.56	
		For Hot-Dipped Galvanized, Add	*69.29*	
		For Stainless Steel, Add	*277.16*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	282.46	
		For Hot-Dipped Galvanized, Add	*100.98*	
		For Stainless Steel, Add	*403.90*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	163.34	
		For Hot-Dipped Galvanized, Add	*59.56*	
		For Stainless Steel, Add	*238.24*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	168.03	
		For Hot-Dipped Galvanized, Add	*60.39*	
		For Stainless Steel, Add	*241.56*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.23	
		For Hot-Dipped Galvanized, Add	*61.35*	
		For Stainless Steel, Add	*245.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.54	
		For Hot-Dipped Galvanized, Add	*62.42*	
		For Stainless Steel, Add	*249.68*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	189.95	
		For Hot-Dipped Galvanized, Add	*63.47*	
		For Stainless Steel, Add	*253.88*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	196.01	
		For Hot-Dipped Galvanized, Add	*63.99*	
		For Stainless Steel, Add	*255.94*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	200.57	
		For Hot-Dipped Galvanized, Add	*64.57*	
		For Stainless Steel, Add	*258.28*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	221.45	
		For Hot-Dipped Galvanized, Add	*72.74*	
		For Stainless Steel, Add	*290.94*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	258.69	
		For Hot-Dipped Galvanized, Add	*89.10*	
		For Stainless Steel, Add	*356.38*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.92	
		For Hot-Dipped Galvanized, Add	*68.85*	
		For Stainless Steel, Add	*275.40*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.86	
		For Hot-Dipped Galvanized, Add	*69.81*	
		For Stainless Steel, Add	*279.22*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	193.25	
		For Hot-Dipped Galvanized, Add	*70.86*	
		For Stainless Steel, Add	*283.42*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	200.37	
		For Hot-Dipped Galvanized, Add	*71.84*	
		For Stainless Steel, Add	*287.34*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	208.73	
		For Hot-Dipped Galvanized, Add	*72.86*	
		For Stainless Steel, Add	*291.44*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	214.86	
		For Hot-Dipped Galvanized, Add	*73.42*	
		For Stainless Steel, Add	*293.68*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	219.31	
		For Hot-Dipped Galvanized, Add	*73.94*	
		For Stainless Steel, Add	*295.74*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	246.18	
		For Hot-Dipped Galvanized, Add	*85.11*	
		For Stainless Steel, Add	*340.44*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	301.12	
		For Hot-Dipped Galvanized, Add	*110.32*	
		For Stainless Steel, Add	*441.26*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	199.91	
		For Hot-Dipped Galvanized, Add	*77.85*	
		For Stainless Steel, Add	*311.38*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	207.19	
		For Hot-Dipped Galvanized, Add	*79.78*	
		For Stainless Steel, Add	*319.12*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	214.45	
		For Hot-Dipped Galvanized, Add	*81.71*	
		For Stainless Steel, Add	*326.84*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	224.72	
		For Hot-Dipped Galvanized, Add	*84.01*	
		For Stainless Steel, Add	*336.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	234.98	
		For Hot-Dipped Galvanized, Add	*86.31*	
		For Stainless Steel, Add	*345.22*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	243.10	
		For Hot-Dipped Galvanized, Add	*87.53*	
		For Stainless Steel, Add	*350.12*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	248.03	
		For Hot-Dipped Galvanized, Add	*88.58*	
		For Stainless Steel, Add	*354.32*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	257.35	
		For Hot-Dipped Galvanized, Add	*90.69*	
		For Stainless Steel, Add	*362.74*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	325.25	
		For Hot-Dipped Galvanized, Add	*122.37*	
		For Stainless Steel, Add	*489.48*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	131.91	
		For Hot-Dipped Galvanized, Add	*37.25*	
		For Stainless Steel, Add	*149.00*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	141.88	
		For Hot-Dipped Galvanized, Add	*39.05*	
		For Stainless Steel, Add	*156.18*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	152.83	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.32*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	162.34	
		For Hot-Dipped Galvanized, Add	*42.90*	
		For Stainless Steel, Add	*171.60*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	168.15	
		For Hot-Dipped Galvanized, Add	*44.21*	
		For Stainless Steel, Add	*176.82*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	180.20	
		For Hot-Dipped Galvanized, Add	*47.37*	
		For Stainless Steel, Add	*189.46*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	191.62	
		For Hot-Dipped Galvanized, Add	*50.52*	
		For Stainless Steel, Add	*202.08*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	155.12	
		For Hot-Dipped Galvanized, Add	*48.86*	
		For Stainless Steel, Add	*195.42*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	165.14	
		For Hot-Dipped Galvanized, Add	*50.68*	
		For Stainless Steel, Add	*202.70*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	175.99	
		For Hot-Dipped Galvanized, Add	*52.91*	
		For Stainless Steel, Add	*211.64*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	185.54	
		For Hot-Dipped Galvanized, Add	*54.50*	
		For Stainless Steel, Add	*218.00*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	191.21	
		For Hot-Dipped Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*222.94*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	203.30	
		For Hot-Dipped Galvanized, Add	*58.92*	
		For Stainless Steel, Add	*235.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	214.83	
			For Hot-Dipped Galvanized, Add	*62.13*	
			For Stainless Steel, Add	*248.50*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	176.63	
			For Hot-Dipped Galvanized, Add	*59.61*	
			For Stainless Steel, Add	*238.44*	
04 05 19 13-0316		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	188.66	
			For Hot-Dipped Galvanized, Add	*62.44*	
			For Stainless Steel, Add	*249.74*	
04 05 19 13-0317		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	202.79	
			For Hot-Dipped Galvanized, Add	*66.31*	
			For Stainless Steel, Add	*265.24*	
04 05 19 13-0318		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	213.37	
			For Hot-Dipped Galvanized, Add	*68.42*	
			For Stainless Steel, Add	*273.66*	
04 05 19 13-0319		CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	220.78	
			For Hot-Dipped Galvanized, Add	*70.52*	
			For Stainless Steel, Add	*282.08*	
04 05 19 13-0320		CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	236.01	
			For Hot-Dipped Galvanized, Add	*75.27*	
			For Stainless Steel, Add	*301.08*	
04 05 19 13-0321		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	248.98	
			For Hot-Dipped Galvanized, Add	*79.20*	
			For Stainless Steel, Add	*316.80*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	204.25	
			For Hot-Dipped Galvanized, Add	*73.42*	
			For Stainless Steel, Add	*293.68*	
04 05 19 13-0325		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	211.66	
			For Hot-Dipped Galvanized, Add	*73.94*	
			For Stainless Steel, Add	*295.74*	
04 05 19 13-0326		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.63	
			For Hot-Dipped Galvanized, Add	*75.73*	
			For Stainless Steel, Add	*302.92*	
04 05 19 13-0327		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	235.98	
			For Hot-Dipped Galvanized, Add	*78.12*	
			For Stainless Steel, Add	*312.48*	
04 05 19 13-0328		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	247.36	
			For Hot-Dipped Galvanized, Add	*80.95*	
			For Stainless Steel, Add	*323.78*	
04 05 19 13-0329		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	259.35	
			For Hot-Dipped Galvanized, Add	*84.39*	
			For Stainless Steel, Add	*337.54*	

04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0331		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	240.14	
			For Hot-Dipped Galvanized, Add	*91.37*	
			For Stainless Steel, Add	*365.46*	
04 05 19 13-0332		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	248.06	
			For Hot-Dipped Galvanized, Add	*92.14*	
			For Stainless Steel, Add	*368.54*	
04 05 19 13-0333		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	258.04	
			For Hot-Dipped Galvanized, Add	*93.94*	
			For Stainless Steel, Add	*375.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	272.28	
		For Hot-Dipped Galvanized, Add	*96.27*	
		For Stainless Steel, Add	*385.08*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	283.20	
		For Hot-Dipped Galvanized, Add	*98.87*	
		For Stainless Steel, Add	*395.46*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	293.54	
		For Hot-Dipped Galvanized, Add	*101.48*	
		For Stainless Steel, Add	*405.92*	
04 05 19 13-0337		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*		
04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	259.81	
		For Hot-Dipped Galvanized, Add	*101.20*	
		For Stainless Steel, Add	*404.80*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	267.73	
		For Hot-Dipped Galvanized, Add	*101.97*	
		For Stainless Steel, Add	*407.88*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	279.76	
		For Hot-Dipped Galvanized, Add	*104.80*	
		For Stainless Steel, Add	*419.18*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	296.72	
		For Hot-Dipped Galvanized, Add	*108.49*	
		For Stainless Steel, Add	*433.96*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	311.79	
		For Hot-Dipped Galvanized, Add	*113.16*	
		For Stainless Steel, Add	*452.64*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	327.28	
		For Hot-Dipped Galvanized, Add	*118.35*	
		For Stainless Steel, Add	*473.40*	
04 05 19 13-0344		Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0345		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	217.46	
		For Hot-Dipped Galvanized, Add	*76.84*	
		For Stainless Steel, Add	*307.34*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	224.92	
		For Hot-Dipped Galvanized, Add	*77.38*	
		For Stainless Steel, Add	*309.50*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	237.98	
		For Hot-Dipped Galvanized, Add	*79.12*	
		For Stainless Steel, Add	*316.48*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	248.44	
		For Hot-Dipped Galvanized, Add	*81.49*	
		For Stainless Steel, Add	*325.94*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	259.30	
		For Hot-Dipped Galvanized, Add	*84.36*	
		For Stainless Steel, Add	*337.44*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	268.70	
		For Hot-Dipped Galvanized, Add	*87.29*	
		For Stainless Steel, Add	*349.14*	
04 05 19 13-0352		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*		
04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	253.25	
		For Hot-Dipped Galvanized, Add	*94.73*	
		For Stainless Steel, Add	*378.92*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	261.17	
		For Hot-Dipped Galvanized, Add	*95.50*	
		For Stainless Steel, Add	*382.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	274.33	
			For Hot-Dipped Galvanized, Add	*97.30*	
			For Stainless Steel, Add	*389.18*	
04 05 19 13-0356		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	284.79	
			For Hot-Dipped Galvanized, Add	*99.66*	
			For Stainless Steel, Add	*398.64*	
04 05 19 13-0357		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	295.08	
			For Hot-Dipped Galvanized, Add	*102.25*	
			For Stainless Steel, Add	*409.00*	
04 05 19 13-0358		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	304.79	
			For Hot-Dipped Galvanized, Add	*105.33*	
			For Stainless Steel, Add	*421.32*	

04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0360		CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	272.97	
			For Hot-Dipped Galvanized, Add	*104.59*	
			For Stainless Steel, Add	*418.36*	
04 05 19 13-0361		CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	280.83	
			For Hot-Dipped Galvanized, Add	*105.33*	
			For Stainless Steel, Add	*421.32*	
04 05 19 13-0362		CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	296.15	
			For Hot-Dipped Galvanized, Add	*108.21*	
			For Stainless Steel, Add	*432.82*	
04 05 19 13-0363		CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	309.23	
			For Hot-Dipped Galvanized, Add	*111.88*	
			For Stainless Steel, Add	*447.52*	
04 05 19 13-0364		CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	323.63	
			For Hot-Dipped Galvanized, Add	*116.53*	
			For Stainless Steel, Add	*466.10*	
04 05 19 13-0365		CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	334.27	
			For Hot-Dipped Galvanized, Add	*120.07*	
			For Stainless Steel, Add	*480.28*	

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0368		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	203.65	
			For Hot-Dipped Galvanized, Add	*69.93*	
			For Stainless Steel, Add	*279.72*	
			For Seismic Hook And Eye, Add	*30.07*	
04 05 19 13-0369		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	211.01	
			For Hot-Dipped Galvanized, Add	*70.42*	
			For Stainless Steel, Add	*281.68*	
			For Seismic Hook And Eye, Add	*30.28*	
04 05 19 13-0370		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	223.61	
			For Hot-Dipped Galvanized, Add	*71.94*	
			For Stainless Steel, Add	*287.74*	
			For Seismic Hook And Eye, Add	*30.93*	
04 05 19 13-0371		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	233.70	
			For Hot-Dipped Galvanized, Add	*74.12*	
			For Stainless Steel, Add	*296.46*	
			For Seismic Hook And Eye, Add	*31.87*	
04 05 19 13-0372		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	243.33	
			For Hot-Dipped Galvanized, Add	*76.38*	
			For Stainless Steel, Add	*305.50*	
			For Seismic Hook And Eye, Add	*32.84*	
04 05 19 13-0373		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	252.42	
			For Hot-Dipped Galvanized, Add	*79.15*	
			For Stainless Steel, Add	*316.58*	
			For Seismic Hook And Eye, Add	*34.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0374		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	236.61	
		For Hot-Dipped Galvanized, Add	*86.41*	
		For Stainless Steel, Add	*345.64*	
		For Seismic Hook And Eye, Add	*37.16*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	244.33	
		For Hot-Dipped Galvanized, Add	*87.08*	
		For Stainless Steel, Add	*348.32*	
		For Seismic Hook And Eye, Add	*37.44*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	256.67	
		For Hot-Dipped Galvanized, Add	*88.47*	
		For Stainless Steel, Add	*353.86*	
		For Seismic Hook And Eye, Add	*38.04*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	266.56	
		For Hot-Dipped Galvanized, Add	*90.55*	
		For Stainless Steel, Add	*362.18*	
		For Seismic Hook And Eye, Add	*38.93*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	276.14	
		For Hot-Dipped Galvanized, Add	*92.78*	
		For Stainless Steel, Add	*371.12*	
		For Seismic Hook And Eye, Add	*39.90*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	284.62	
		For Hot-Dipped Galvanized, Add	*95.25*	
		For Stainless Steel, Add	*380.98*	
		For Seismic Hook And Eye, Add	*40.96*	
04 05 19 13-0381		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	256.54	
		For Hot-Dipped Galvanized, Add	*96.38*	
		For Stainless Steel, Add	*385.50*	
		For Seismic Hook And Eye, Add	*41.44*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	264.40	
		For Hot-Dipped Galvanized, Add	*97.12*	
		For Stainless Steel, Add	*388.46*	
		For Seismic Hook And Eye, Add	*41.76*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	279.37	
		For Hot-Dipped Galvanized, Add	*99.82*	
		For Stainless Steel, Add	*399.26*	
		For Seismic Hook And Eye, Add	*42.92*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	292.13	
		For Hot-Dipped Galvanized, Add	*103.33*	
		For Stainless Steel, Add	*413.32*	
		For Seismic Hook And Eye, Add	*44.43*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	306.12	
		For Hot-Dipped Galvanized, Add	*107.77*	
		For Stainless Steel, Add	*431.08*	
		For Seismic Hook And Eye, Add	*46.34*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	319.53	
		For Hot-Dipped Galvanized, Add	*112.70*	
		For Stainless Steel, Add	*450.80*	
		For Seismic Hook And Eye, Add	*48.46*	
04 05 19 13-0388		Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0389		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*		
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	216.60	
		For Hot-Dipped Galvanized, Add	*73.22*	
		For Stainless Steel, Add	*292.86*	
		For Seismic Hook And Eye, Add	*31.48*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	227.20	
		For Hot-Dipped Galvanized, Add	*73.73*	
		For Stainless Steel, Add	*294.92*	
		For Seismic Hook And Eye, Add	*31.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	236.16	
		For Hot-Dipped Galvanized, Add	*75.35*	
		For Stainless Steel, Add	*301.38*	
		For Seismic Hook And Eye, Add	*32.40*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	245.90	
		For Hot-Dipped Galvanized, Add	*77.66*	
		For Stainless Steel, Add	*310.64*	
		For Seismic Hook And Eye, Add	*33.39*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	254.79	
		For Hot-Dipped Galvanized, Add	*80.33*	
		For Stainless Steel, Add	*321.32*	
		For Seismic Hook And Eye, Add	*34.54*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	252.13	
		For Hot-Dipped Galvanized, Add	*90.98*	
		For Stainless Steel, Add	*363.92*	
		For Seismic Hook And Eye, Add	*39.12*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	262.83	
		For Hot-Dipped Galvanized, Add	*91.55*	
		For Stainless Steel, Add	*366.18*	
		For Seismic Hook And Eye, Add	*39.36*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	271.69	
		For Hot-Dipped Galvanized, Add	*93.11*	
		For Stainless Steel, Add	*372.44*	
		For Seismic Hook And Eye, Add	*40.04*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	281.01	
		For Hot-Dipped Galvanized, Add	*95.22*	
		For Stainless Steel, Add	*380.86*	
		For Seismic Hook And Eye, Add	*40.94*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	288.88	
		For Hot-Dipped Galvanized, Add	*97.38*	
		For Stainless Steel, Add	*389.50*	
		For Seismic Hook And Eye, Add	*41.87*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	269.38	
		For Hot-Dipped Galvanized, Add	*99.61*	
		For Stainless Steel, Add	*398.42*	
		For Seismic Hook And Eye, Add	*42.83*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	280.39	
		For Hot-Dipped Galvanized, Add	*100.33*	
		For Stainless Steel, Add	*401.30*	
		For Seismic Hook And Eye, Add	*43.14*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	291.56	
		For Hot-Dipped Galvanized, Add	*103.05*	
		For Stainless Steel, Add	*412.18*	
		For Seismic Hook And Eye, Add	*44.31*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	303.66	
		For Hot-Dipped Galvanized, Add	*106.54*	
		For Stainless Steel, Add	*426.16*	
		For Seismic Hook And Eye, Add	*45.81*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	316.09	
		For Hot-Dipped Galvanized, Add	*110.98*	
		For Stainless Steel, Add	*443.92*	
		For Seismic Hook And Eye, Add	*47.72*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.46
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.54
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.62
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.72
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.62	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.72	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.83	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.93	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.31	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.34	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.43	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.49	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.43	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.49	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.55	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.31	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.36	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.51	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.58	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.59	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.69	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.80	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.87	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.20	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.22	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.33	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.36	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.37	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.43	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.49	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.56	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.72	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.75	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.79	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.82	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.89	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.02	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.10	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.19	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.23	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.30	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.89	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.97	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.99	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.06	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.08	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.62	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.67	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.69	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.73	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.75	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.27	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.35	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.43	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.52	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.60	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.34	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.43	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.52	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.60	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.69	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.97	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.04	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.10	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.16	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.22	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.03	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.09	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.16	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.22	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.29	
04 05 19 16-0090		Corrugated Wall Ties *(04 05 19 16)*		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.20	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.27	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.29	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.31	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.55	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.22	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.24	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.26	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.44	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.46	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.52	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.58	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.63	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	1.90	
04 05 19 16-0108		Wire Mesh Wall Ties *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.35	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.84	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.34	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.24	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.02	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.89	
04 05 19 16-0115		Triangle Brick Ties *(04 05 19 16)*		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.10	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.13	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.17	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.25	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.29	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.41	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.48	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.66	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.47	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.49	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.52	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.60	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.63	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.74	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.80	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.99	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.92	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.93	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.94	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.00	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.02	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.09	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.12	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.18	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.14	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.16	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.18	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.25	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.27	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.36	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.40	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.50	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	5.48	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	6.49	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	7.03	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	5.48	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	3.78	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	5.76	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.94	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.17	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.46	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.71	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.97	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.23	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.98	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.80	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.62	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.45	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.27	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.10	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.71	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.91	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.11	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.32	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.51	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.72	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.89	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.98	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.25	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.39	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.49	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.63	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.37	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.49	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.58	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.66	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.97	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.21	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.37	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.59	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.21	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.37	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.51	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.66	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.01	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.10	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.15	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.23	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.04	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.13	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.18	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.25	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.54	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.70	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.77	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.92	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.47	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.73	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.84	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.92	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.92	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.33	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.56	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.68	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.95	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.11	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.62	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.74	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.92	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	5.03	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.64	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.01	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.14	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.56	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.97	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	4.93	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.21	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.50	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.86	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.07	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.54	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.66	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.80	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.57	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.81	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	2.00	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.64	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.80	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.97	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.50	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.58	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.48	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.65	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.78	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.51	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.70	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.84	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.81	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.94	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.08	
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	3.96	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	6.21	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.67	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.83	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.96	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.07	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.43	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.44	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.52	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.71	
04 05 19 16-0284		Dowel Or Hairpin, Drill And Epoxy Into Brick *(04 05 19 16)*		
04 05 19 16-0285	EA	Dowels Or Hairpin, 1/2" x 30" L, Drill And Epoxy In Brick	33.85	
04 05 19 16-0286	EA	Dowels Or Hairpin, 1/2" x 36" L, Drill And Epoxy In Brick	35.34	

04 05 19 26 Masonry Reinforcing Bars *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.13	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.86	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.64	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.46	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.15	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.89	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.69	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.53	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.17	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.94	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.76	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.64	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.16	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.06	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.97	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.35	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.11	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.04	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.37	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.24	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.18	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.15	
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.31	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.19	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.15	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.19	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.20	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.26	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.27	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.27	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.37	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.51	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.49	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.57	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.70	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.53	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.52	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.62	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.77	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.56	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.57	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.69	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.88	
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.29	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.15	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.09	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.11	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.31	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.18	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.14	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.18	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.23	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.22	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.29	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.49	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.45	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.51	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.62	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.51	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.48	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.56	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.69	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.54	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.53	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.64	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.80	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	6.44	1.13
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	6.28	1.13
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	12.98	1.13

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	4.09	1.13
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.23	1.13
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.35	1.13
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.95	1.13
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.65	1.13

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.44	2.00
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.40	2.00
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	13.08	2.00
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.45	2.00

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.38	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.25	2.00
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.33	2.00
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	17.18	2.00
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.65	2.00
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.86	2.00
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.60	2.00
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.22	2.00
04 05 23 16-0017		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	8.16	1.86
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.14	2.21
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.34	2.21
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.58	2.21
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	6.37	2.21
04 05 23 16-0025		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	7.98	1.86
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.70	1.86
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.66	1.86
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.39	1.86
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	13.13	1.86
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.69	1.86
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.32	1.86
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.58	1.86
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.66	1.86
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.89	1.86
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.06	1.86
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.78	1.86
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.74	1.86
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.46	1.86
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	13.20	1.86
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.16	1.86
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.03	1.86
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.30	1.86
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.96	1.86
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	9.03	1.86
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.06	1.86
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.68	1.86
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0025)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.55	1.86
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	11.89	1.86
04 05 23 19		**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	86.07	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	106.97	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	135.35	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	106.15	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	131.41	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	166.73	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	126.02	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	171.47	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	210.27	
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	172.68	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	225.15	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	277.79	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond	29.26
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	
		For Buff Or Gray, Add	*1.14*
		For Common Or American Bond, Add	*0.90*
		For English Bond, Add	*1.79*
		For Flemish Bond, Add	*3.71*
		For Stacked Bond, Add	*2.58*
		For <10, Small Area Replacements (Individual Areas), Add	*33.97*
		For Curved Wall, Add	*4.48*
		For Corbels, Add	*16.82*
		For Severe Weather (SW) Brick, Add	*1.03*
		For Glazed Brick, Add	*23.94*
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond	30.39
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	
		For Buff Or Gray, Add	*1.41*
		For Common Or American Bond, Add	*0.88*
		For English Bond, Add	*1.75*
		For Flemish Bond, Add	*3.71*
		For Stacked Bond, Add	*2.62*
		For <10, Small Area Replacements (Individual Areas), Add	*33.29*
		For Curved Wall, Add	*4.38*
		For Corbels, Add	*16.43*
		For Severe Weather (SW) Brick, Add	*1.27*
		For Glazed Brick, Add	*29.68*
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond	29.26
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	
		For Buff Or Gray, Add	*1.14*
		For Common Or American Bond, Add	*0.90*
		For English Bond, Add	*1.79*
		For Flemish Bond, Add	*3.71*
		For Stacked Bond, Add	*2.58*
		For <10, Small Area Replacements (Individual Areas), Add	*33.97*
		For Curved Wall, Add	*4.48*
		For Corbels, Add	*16.82*
		For Severe Weather (SW) Brick, Add	*1.03*
		For Glazed Brick, Add	*23.94*
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond	30.39
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	
		For Buff Or Gray, Add	*1.41*
		For Common Or American Bond, Add	*0.88*
		For English Bond, Add	*1.75*
		For Flemish Bond, Add	*3.71*
		For Stacked Bond, Add	*2.62*
		For <10, Small Area Replacements (Individual Areas), Add	*33.29*
		For Curved Wall, Add	*4.38*
		For Corbels, Add	*16.43*
		For Severe Weather (SW) Brick, Add	*1.27*
		For Glazed Brick, Add	*29.68*
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond	30.16
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	
		For Buff Or Gray, Add	*1.38*
		For Common Or American Bond, Add	*0.88*
		For English Bond, Add	*1.75*
		For Flemish Bond, Add	*3.70*
		For Stacked Bond, Add	*2.60*
		For <10, Small Area Replacements (Individual Areas), Add	*33.28*
		For Curved Wall, Add	*4.38*
		For Corbels, Add	*16.43*
		For Severe Weather (SW) Brick, Add	*1.24*
		For Glazed Brick, Add	*28.88*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	22.36	
		For Buff Or Gray, Add	*1.18*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.65*	
		For Stacked Bond, Add	*1.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.30*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.48*	
		For Severe Weather (SW) Brick, Add	*1.06*	
		For Glazed Brick, Add	*24.71*	
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)	20.25	
		For Buff Or Gray, Add	*0.83*	
		For Common Or American Bond, Add	*0.61*	
		For English Bond, Add	*1.22*	
		For Flemish Bond, Add	*2.54*	
		For Stacked Bond, Add	*1.78*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.20*	
		For Curved Wall, Add	*3.06*	
		For Corbels, Add	*11.48*	
		For Severe Weather (SW) Brick, Add	*0.74*	
		For Glazed Brick, Add	*17.33*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)	30.81	
		For Buff Or Gray, Add	*1.48*	
		For Common Or American Bond, Add	*0.88*	
		For English Bond, Add	*1.75*	
		For Flemish Bond, Add	*3.73*	
		For Stacked Bond, Add	*2.64*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.31*	
		For Curved Wall, Add	*4.38*	
		For Corbels, Add	*16.43*	
		For Severe Weather (SW) Brick, Add	*1.34*	
		For Glazed Brick, Add	*31.15*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)	32.68	
		For Buff Or Gray, Add	*1.80*	
		For Common Or American Bond, Add	*0.88*	
		For English Bond, Add	*1.75*	
		For Flemish Bond, Add	*3.83*	
		For Stacked Bond, Add	*2.73*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.40*	
		For Curved Wall, Add	*4.38*	
		For Corbels, Add	*16.43*	
		For Severe Weather (SW) Brick, Add	*1.62*	
		For Glazed Brick, Add	*37.70*	

04 21 13 00-0011 Fire Brick *(04 21 13)*

04 21 13 00-0012	SF	Running Bond, Red Fire Brick	34.55	
		For Buff Or Gray, Add	*2.11*	
		For Common Or American Bond, Add	*0.88*	
		For English Bond, Add	*1.75*	
		For Flemish Bond, Add	*3.92*	
		For Stacked Bond, Add	*2.82*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.50*	

04 21 13 00-0013 Window Sill *(04 21 13)*

04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.	25.46	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.	25.67	
		For Buff Or Gray, Add	*0.33*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.	25.46	
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.	25.81	
		For Buff Or Gray, Add	*0.35*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.	26.73	
		For Buff Or Gray, Add	*0.51*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.	26.92	
		For Buff Or Gray, Add	*0.54*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.	26.92	
		For Buff Or Gray, Add	*0.54*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.	25.93	
		For Buff Or Gray, Add	*0.37*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.	26.03	
		For Buff Or Gray, Add	*0.39*	

04 21 19 Clay Tile Masonry *(04 21)*

04 21 19 00-0001 Scored Face, Hollow, Clay Backing Tile *(04 21 19)*

04 21 19 00-0002 Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	28.87	
		For Smooth Face, One Side, Add	*1.89*	
		For Smooth Face, Two Sides, Add	*3.21*	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	31.47	
		For Smooth Face, One Side, Add	*2.10*	
		For Smooth Face, Two Sides, Add	*3.58*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	35.50	
		For Smooth Face, One Side, Add	*2.45*	
		For Smooth Face, Two Sides, Add	*4.18*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	49.78	
		For Smooth Face, One Side, Add	*3.81*	
		For Smooth Face, Two Sides, Add	*6.63*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	66.16	
		For Smooth Face, One Side, Add	*5.34*	
		For Smooth Face, Two Sides, Add	*9.35*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	24.03	
		For Smooth Face, One Side, Add	*1.52*	
		For Smooth Face, Two Sides, Add	*2.56*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.14	
		For Smooth Face, One Side, Add	*1.99*	
		For Smooth Face, Two Sides, Add	*3.40*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	29.85	
		For Smooth Face, One Side, Add	*2.02*	
		For Smooth Face, Two Sides, Add	*3.44*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	46.83	
		For Smooth Face, One Side, Add	*3.64*	
		For Smooth Face, Two Sides, Add	*6.34*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	64.54	
		For Smooth Face, One Side, Add	*5.29*	
		For Smooth Face, Two Sides, Add	*9.28*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	35.84	
		For Stacked Bond, Add	*2.38*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	40.04	
		For Stacked Bond, Add	*2.38*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	48.74	
		For Stacked Bond, Add	*2.48*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	37.66	
		For Stacked Bond, Add	*2.81*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	44.66	
		For Stacked Bond, Add	*2.81*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	27.99	
		For Stacked Bond, Add	*1.51*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	34.71	
		For Stacked Bond, Add	*1.62*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	47.74	
		For Stacked Bond, Add	*1.73*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	38.23	
		For Stacked Bond, Add	*1.94*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	38.17	
		For Stacked Bond, Add	*1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0017		4W Series Structural Glazed Clay Tile *(04 21 26)*		
04 21 26 00-0018		Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	37.42	
		For Stacked Bond, Add	*2.38*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	39.52	
		For Stacked Bond, Add	*2.38*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	49.00	
		For Stacked Bond, Add	*2.48*	
04 21 26 00-0022		Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*		
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	38.94	
		For Stacked Bond, Add	*2.81*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	44.55	
		For Stacked Bond, Add	*2.81*	
04 21 26 00-0025		6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	38.74	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	41.82	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	48.82	
04 21 26 00-0029		8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*		
04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	42.54	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	47.95	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	56.95	
04 21 29		**Terra Cotta Masonry** *(04 21)*		
04 21 29 00-0001		Coping *(04 21 29)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF	Terra Cotta Coping	120.85	45.29
		For Smooth Tile Instead Of Scored, Add	*3.89*	
		For Reinforcing With Steel Rods, Add	*8.20*	
04 21 29 00-0003		Partition Or Back Up (Scored) *(04 21 29)*		
04 21 29 00-0004		Non-load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	30.07	
		For Smooth Tile Instead Of Scored, Add	*3.93*	
		For Reinforcing With Steel Rods, Add	*3.69*	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	31.92	
		For Smooth Tile Instead Of Scored, Add	*4.11*	
		For Reinforcing With Steel Rods, Add	*3.88*	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	41.27	
		For Smooth Tile Instead Of Scored, Add	*5.61*	
		For Reinforcing With Steel Rods, Add	*5.18*	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	50.55	
		For Smooth Tile Instead Of Scored, Add	*7.06*	
		For Reinforcing With Steel Rods, Add	*6.45*	
04 21 29 00-0009		Load Bearing, 12" x 12" *(04 21 29 00-0003)*		
04 21 29 00-0010		In Walls *(04 21 29 00-0009)*		
04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	33.92	
		For Smooth Tile Instead Of Scored, Add	*4.47*	
		For Reinforcing With Steel Rods, Add	*4.18*	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	45.84	
		For Smooth Tile Instead Of Scored, Add	*6.44*	
		For Reinforcing With Steel Rods, Add	*5.87*	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	55.01	
		For Smooth Tile Instead Of Scored, Add	*7.86*	
		For Reinforcing With Steel Rods, Add	*7.12*	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	57.63	
		For Smooth Tile Instead Of Scored, Add	*8.04*	
		For Reinforcing With Steel Rods, Add	*7.35*	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	69.26	
		For Smooth Tile Instead Of Scored, Add	*9.75*	
		For Reinforcing With Steel Rods, Add	*8.88*	
04 21 29 00-0016		In Floors *(04 21 29 00-0009)*		
04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	30.89	
		For Smooth Tile Instead Of Scored, Add	*4.47*	
		For Reinforcing With Steel Rods, Add	*4.03*	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	42.48	
		For Smooth Tile Instead Of Scored, Add	*6.44*	
		For Reinforcing With Steel Rods, Add	*5.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	51.56	
		For Smooth Tile Instead Of Scored, Add	*7.86*	
		For Reinforcing With Steel Rods, Add	*6.95*	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	53.75	
		For Smooth Tile Instead Of Scored, Add	*8.04*	
		For Reinforcing With Steel Rods, Add	*7.15*	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	64.22	
		For Smooth Tile Instead Of Scored, Add	*9.75*	
		For Reinforcing With Steel Rods, Add	*8.63*	

04 22 Concrete Unit Masonry *(04 20)*

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	14.21	
		For Stacked Bond, Add	*2.99*	
		For Scored Block, Add	*0.54*	
		For Curved Wall Application, Add	*2.30*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.44*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	15.89	
		For Stacked Bond, Add	*3.23*	
		For Scored Block, Add	*0.69*	
		For Curved Wall Application, Add	*2.49*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.90*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	17.24	
		For Stacked Bond, Add	*3.47*	
		For Scored Block, Add	*0.78*	
		For Curved Wall Application, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.32*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	19.14	
		For Stacked Bond, Add	*3.63*	
		For Scored Block, Add	*1.04*	
		For Curved Wall Application, Add	*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.33*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	22.66	
		For Stacked Bond, Add	*4.44*	
		For Scored Block, Add	*1.11*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.05*	

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	15.41	
		For Stacked Bond, Add	*3.06*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*2.36*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.94*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	16.89	
		For Stacked Bond, Add	*3.37*	
		For Scored Block, Add	*0.79*	
		For Curved Wall Application, Add	*2.59*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.73*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	17.81	
		For Stacked Bond, Add	*3.58*	
		For Scored Block, Add	*0.81*	
		For Curved Wall Application, Add	*2.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.93*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	20.02	
		For Stacked Bond, Add	*3.74*	
		For Scored Block, Add	*1.12*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.02*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	23.66	
		For Stacked Bond, Add	*4.59*	
		For Scored Block, Add	*1.20*	
		For Curved Wall Application, Add	*3.53*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.94*	

04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	14.50	
		For Stacked Bond, Add	*3.06*	
		For Scored Block, Add	*0.54*	
		For Curved Wall Application, Add	*2.36*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.87*	
		For 3,500 PSI, Add	*0.57*	
		For 5,000 PSI, Add	*0.98*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	16.07	
		For Stacked Bond, Add	*3.37*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.59*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.67*	
		For 3,500 PSI, Add	*0.65*	
		For 5,000 PSI, Add	*1.12*	
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	17.33	
		For Stacked Bond, Add	*3.58*	
		For Scored Block, Add	*0.72*	
		For Curved Wall Application, Add	*2.75*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.89*	
		For 3,500 PSI, Add	*0.75*	
		For 5,000 PSI, Add	*1.29*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	21.31	
		For Stacked Bond, Add	*3.74*	
		For Scored Block, Add	*1.38*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.12*	
		For 3,500 PSI, Add	*1.45*	
		For 5,000 PSI, Add	*2.49*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	24.79	
		For Stacked Bond, Add	*4.59*	
		For Scored Block, Add	*1.43*	
		For Curved Wall Application, Add	*3.53*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.02*	
		For 3,500 PSI, Add	*1.50*	
		For 5,000 PSI, Add	*2.57*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	15.56	
		For Stacked Bond, Add	*3.15*	
		For Scored Block, Add	*0.69*	
		For Curved Wall Application, Add	*2.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.41*	
		For 3,500 PSI, Add	*0.73*	
		For 5,000 PSI, Add	*1.25*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	16.55	
		For Stacked Bond, Add	*3.47*	
		For Scored Block, Add	*0.64*	
		For Curved Wall Application, Add	*2.67*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.27*	
		For 3,500 PSI, Add	*0.67*	
		For 5,000 PSI, Add	*1.15*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	17.89	
		For Stacked Bond, Add	*3.69*	
		For Scored Block, Add	*0.74*	
		For Curved Wall Application, Add	*2.84*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.55*	
		For 3,500 PSI, Add	*0.78*	
		For 5,000 PSI, Add	*1.34*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	19.84	
		For Stacked Bond, Add	*3.87*	
		For Scored Block, Add	*0.99*	
		For Curved Wall Application, Add	*2.97*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.68*	
		For 3,500 PSI, Add	*1.04*	
		For 5,000 PSI, Add	*1.79*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	23.45	
		For Stacked Bond, Add	*4.75*	
		For Scored Block, Add	*1.04*	
		For Curved Wall Application, Add	*3.65*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.79*	
		For 3,500 PSI, Add	*1.09*	
		For 5,000 PSI, Add	*1.86*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	16.69	
		For Stacked Bond, Add	*3.23*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.48*	
		For Scored Block, Add	*0.85*	
		For Curved Wall Application, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	18.50	
		For Stacked Bond, Add	*3.47*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.83*	
		For Scored Block, Add	*1.03*	
		For Curved Wall Application, Add	*2.67*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	22.56	
		For Stacked Bond, Add	*4.44*	
		For Grout And Fill With 2 #5 Rebar, Add	*14.02*	
		For Scored Block, Add	*1.09*	
		For Curved Wall Application, Add	*3.42*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	16.61	
		For Stacked Bond, Add	*3.37*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.13*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*2.59*	
		For 3,500 PSI, Add	*0.77*	
		For 5,000 PSI, Add	*1.31*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	18.29	
		For Stacked Bond, Add	*3.58*	
		For Grout And Fill With 2 #5 Rebar, Add	*11.42*	
		For Scored Block, Add	*0.91*	
		For Curved Wall Application, Add	*2.75*	
		For 3,500 PSI, Add	*0.95*	
		For 5,000 PSI, Add	*1.63*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	22.53	
		For Stacked Bond, Add	*4.59*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.70*	
		For Scored Block, Add	*0.97*	
		For Curved Wall Application, Add	*3.53*	
		For 3,500 PSI, Add	*1.02*	
		For 5,000 PSI, Add	*1.75*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	18.76	
		For Stacked Bond, Add	*3.74*	
		For Scored Block, Add	*0.87*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.93*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	21.17	
		For Stacked Bond, Add	*4.21*	
		For Scored Block, Add	*0.99*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.67*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	23.00	
		For Stacked Bond, Add	*4.45*	
		For Scored Block, Add	*1.18*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.12*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	24.63	
		For Stacked Bond, Add	*4.72*	
		For Scored Block, Add	*1.30*	
		For Curved Wall Application, Add	*3.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.71*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	29.15	
		For Stacked Bond, Add	*5.74*	
		For Scored Block, Add	*1.42*	
		For Curved Wall Application, Add	*4.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.64*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	26.45	
		For Stacked Bond, Add	*3.74*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.50*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	29.77	
		For Stacked Bond, Add	*4.07*	
		For Curved Wall Application, Add	*3.13*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.53*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	34.53	
		For Stacked Bond, Add	*4.45*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.99*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0001		Split Face, Concrete Blocks *(04 22 23 29)*		
04 22 23 29-0002		Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	19.28	
		For Stacked Bond, Add	*3.74*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.97*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	21.77	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.72*	
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	23.69	
		For Stacked Bond, Add	*4.45*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.17*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	25.45	
		For Stacked Bond, Add	*4.72*	
		For Curved Wall Application, Add	*3.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.77*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	29.64	
		For Stacked Bond, Add	*5.74*	
		For Curved Wall Application, Add	*4.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.67*	
04 22 23 29-0008		Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*		
04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	20.50	
		For Stacked Bond, Add	*3.74*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.30*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.06*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	23.17	
		For Stacked Bond, Add	*4.21*	
		For Grout And Fill With 2 #5 Rebar, Add	*15.07*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.82*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	25.33	
		For Stacked Bond, Add	*4.45*	
		For Grout And Fill With 2 #5 Rebar, Add	*16.77*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.30*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	27.27	
		For Stacked Bond, Add	*4.72*	
		For Grout And Fill With 2 #5 Rebar, Add	*18.20*	
		For Curved Wall Application, Add	*3.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.91*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	31.53	
		For Stacked Bond, Add	*5.74*	
		For Grout And Fill With 2 #5 Rebar, Add	*20.50*	
		For Curved Wall Application, Add	*4.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.81*	
04 22 23 29-0014		Split Rib, Concrete Block *(04 22 23 29)*		
04 22 23 29-0015		Split Rib, Concrete Block *(04 22 23 29-0014)*		
04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	18.89	
		For Stacked Bond, Add	*3.74*	
		For Curved Wall Application, Add	*2.88*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.94*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	22.68	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.79*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	24.16	
		For Stacked Bond, Add	*4.45*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.21*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	25.84	
		For Stacked Bond, Add	*4.72*	
		For Curved Wall Application, Add	*3.63*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.80*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	30.49	
		For Stacked Bond, Add	*5.74*	
		For Curved Wall Application, Add	*4.41*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.74*	
04 22 23 31		**Glazed Concrete Masonry Unit** *(04 22 23)*		
04 22 23 31-0001		One Glazed Face, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0002		One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	35.55	
		For Stacked Bond, Add	*3.63*	
		For Curved Wall Application, Add	*2.79*	
		For <10, Small Area Replacements (Individual Areas), Add	*22.56*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	37.98	
		For Stacked Bond, Add	*4.00*	
		For Curved Wall Application, Add	*3.07*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.75*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	40.24	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.10*	
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	42.63	
		For Stacked Bond, Add	*4.45*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*27.59*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	47.54	
		For Stacked Bond, Add	*5.40*	
		For Curved Wall Application, Add	*4.16*	
		For <10, Small Area Replacements (Individual Areas), Add	*33.18*	

04 22 23 31-0008 Two Glazed Faces, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0009 Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*

04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	47.98	
		For Stacked Bond, Add	*4.14*	
		For Curved Wall Application, Add	*3.18*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.28*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	50.25	
		For Stacked Bond, Add	*4.45*	
		For Curved Wall Application, Add	*3.42*	
		For <10, Small Area Replacements (Individual Areas), Add	*28.16*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	53.46	
		For Stacked Bond, Add	*4.91*	
		For Curved Wall Application, Add	*3.78*	
		For <10, Small Area Replacements (Individual Areas), Add	*30.94*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	95.39	
		For Solar Reflective (Suntrol) Blocks, Add	*20.53*	
		For Essex (Horizontal Striated) Blocks, Add	*11.73*	
		For Sculptured Or Patterned Blocks, Add	*20.53*	
		For Colored Glass, Add	*58.67*	
		For Thinline Block, Deduct	*-14.67*	
		For >1,000 To 5,000, Deduct	*-6.59*	
		For >5,000, Deduct	*-11.35*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	68.53	
		For Solar Reflective (Suntrol) Blocks, Add	*14.54*	
		For Essex (Horizontal Striated) Blocks, Add	*8.31*	
		For Sculptured Or Patterned Blocks, Add	*14.54*	
		For Colored Glass, Add	*41.53*	
		For Thinline Block, Deduct	*-10.38*	
		For >1,000 To 5,000, Deduct	*-4.77*	
		For >5,000, Deduct	*-8.19*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	77.90	
		For Solar Reflective (Suntrol) Blocks, Add	*18.57*	
		For Essex (Horizontal Striated) Blocks, Add	*10.61*	
		For Sculptured Or Patterned Blocks, Add	*18.57*	
		For Colored Glass, Add	*53.06*	
		For Thinline Block, Deduct	*-13.27*	
		For >1,000 To 5,000, Deduct	*-5.13*	
		For >5,000, Deduct	*-9.02*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	973.36
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	736.15
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	501.79
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	351.00

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.65	8.72
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	29.13	8.72

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	62.93	19.37
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	65.67	19.61
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	73.67	19.99
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	79.81	20.61
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	84.96	21.86
04 42 43 00-0007	CF	Marble Face Panel	340.35	71.21

04 42 43 00-0008 Smooth Limestone Panels *(04 42 43)*

Note: Up to 12' x 5' panels.

04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	65.02	38.85
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	68.85	40.72
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	72.86	42.60
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	83.91	46.85

04 42 43 00-0013 Sandstone Panels *(04 42 43)*

04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	73.76	40.72
04 42 43 00-0015	SF	4" Thick Sandstone Panels	81.43	46.85
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	75.61	46.85

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001 Marble *(04 43 16)*

04 43 16 00-0002 Marble Base *(04 43 16 00-0001)*

Note: 1" thick.

04 43 16 00-0003	LF	4" High Marble Base	114.37	77.73
04 43 16 00-0004	LF	6" High Marble Base	127.73	84.68

04 43 16 00-0005 Marble Columns *(04 43 16 00-0001)*

04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	253.52	71.21
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	381.10	71.21

04 43 16 00-0008 Marble Flooring *(04 43 16 00-0001)*

04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	29.76	17.80
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	31.18	17.80
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	36.80	20.32

04 43 16 00-0012 Marble Items *(04 43 16 00-0001)*

04 43 16 00-0013	LF	12" Wide Marble Stair Treads	68.34	28.30
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	52.68	22.69
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	33.23	16.64
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	57.65	20.43
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	40.93	25.80

04 43 16 00-0018 Limestone *(04 43 16)*

04 43 16 00-0019 Ashlar Veneer Limestone *(04 43 16 00-0018)*

04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	63.88	28.30
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	96.11	38.88

04 43 16 00-0022 Limestone Coping *(04 43 16 00-0018)*

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	31.20	10.00
04 43 16 00-0024	SF	3" Thick Limestone Coping	34.70	10.62
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	38.19	11.24
04 43 16 00-0026	SF	4" Thick Limestone Coping	40.43	11.61
04 43 16 00-0027	SF	5" Thick Limestone Coping	46.16	11.87
04 43 16 00-0028	SF	6" Thick Limestone Coping	65.10	12.49
04 43 16 00-0029	CF	>6" Thick Limestone Coping	107.07	25.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0030		Limestone Stair Treads *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	38.33	9.37
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	40.63	10.00
04 43 16 00-0033	SF	3" Thick Limestone Treads	45.27	10.62
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	48.64	11.24
04 43 16 00-0035	SF	4" Thick Limestone Treads	52.03	11.24
04 43 16 00-0036	SF	5" Thick Limestone Treads	56.29	11.87
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	75.58	12.49
04 43 16 00-0038		Limestone Items *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	195.79	94.79
04 43 16 00-0040		Granite *(04 43 16)*		
04 43 16 00-0041		Polished Granite Veneer Facing Panels *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	131.28	39.11
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	118.76	39.11
04 43 16 00-0044		Granite Stair Treads *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	77.09	9.37
04 43 16 00-0046		Slate *(04 43 16)*		
04 43 16 00-0047		Slate Panels Or Sills *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	66.86	39.11
04 43 16 00-0049	SF	2" Thick Slate Panels	76.42	39.11
04 43 16 00-0050		Slate Sills Or Stools *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	30.14	16.75
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	36.22	16.75
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	35.36	16.75
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	48.40	16.75
04 43 16 00-0055		Slate Stair Treads *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	44.24	9.37

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		Rectangular Flue Liners *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	22.04	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	30.43	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	34.68	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	43.18	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	52.74	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	59.99	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	65.40	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	80.75	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	86.27	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	111.19	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	121.13	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	143.66	
04 51 00 00-0014		Round Flue Liners *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	53.92	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	78.53	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	103.34	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	125.90	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	154.45	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	166.95	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	213.03	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	261.62	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	301.91	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	343.42	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	360.14	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	366.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 51 00 00-0027		Standard Chimney Block *(04 51)*		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	35.40	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	38.76	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	39.01	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	40.94	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	43.09	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	45.41	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	51.29	

04 70 Manufactured Masonry *(04)*

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001		Solid Precast Concrete Lintels *(04 72)*		
04 72 00 00-0002		Solid Precast Concrete Lintels *(04 72 00 00-0001)*		
04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	19.18	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	24.45	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	30.20	
04 72 00 00-0006		U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*		
		Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	20.56	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	24.93	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	40.99	
04 72 00 00-0010		Precast Concrete Coping *(04 72)*		
		Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 72 00 00-0011		Precast Concrete Coping *(04 72 00 00-0010)*		
		Note: Measured at highest point.		
04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	63.75	13.70
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	72.43	14.75
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	83.91	15.79
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	90.65	16.85
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	97.46	17.90
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	116.45	18.96
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	133.42	20.01
04 72 00 00-0019		Precast Concrete Window Sills *(04 72)*		
		Note: Includes caulk and ties.		
04 72 00 00-0020		Precast Concrete Window Sills *(04 72 00 00-0019)*		
04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	46.99	10.53
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	71.74	10.53
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	85.29	10.53

END OF SECTION 04

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals *(05)*

05 01 50 Maintenance of Metal Fabrications *(05 01)*

05 01 50 51 Cleaning of Metal Fabrications *(05 01 50)*

See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications *(05 01 50)*

See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications *(05 01 50)*

See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal *(05 01)*

05 01 70 51 Cleaning of Decorative Metal *(05 01 70)*

See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal *(05 01 70)*

See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal *(05 01 70)*

See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.66	
		For >10 To 50, Deduct		*-0.70*	
		For >50 To 100, Deduct		*-1.42*	
		For >100, Deduct		*-2.84*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		14.75	
		For >10 To 50, Deduct		*-0.70*	
		For >50 To 100, Deduct		*-1.42*	
		For >100, Deduct		*-2.85*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		15.18	
		For >10 To 50, Deduct		*-0.72*	
		For >50 To 100, Deduct		*-1.46*	
		For >100, Deduct		*-2.93*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		17.95	
		For >10 To 50, Deduct		*-0.86*	
		For >50 To 100, Deduct		*-1.73*	
		For >100, Deduct		*-3.47*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		18.02	
		For >10 To 50, Deduct		*-0.86*	
		For >50 To 100, Deduct		*-1.73*	
		For >100, Deduct		*-3.47*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		18.03	
		For >10 To 50, Deduct		*-0.86*	
		For >50 To 100, Deduct		*-1.73*	
		For >100, Deduct		*-3.47*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		18.30	
		For >10 To 50, Deduct		*-0.86*	
		For >50 To 100, Deduct		*-1.74*	
		For >100, Deduct		*-3.48*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.83	
		For >10 To 50, Deduct		*-1.22*	
		For >50 To 100, Deduct		*-2.47*	
		For >100, Deduct		*-4.94*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.88	
		For >10 To 50, Deduct		*-1.22*	
		For >50 To 100, Deduct		*-2.47*	
		For >100, Deduct		*-4.94*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		25.99	
		For >10 To 50, Deduct		*-1.22*	
		For >50 To 100, Deduct		*-2.47*	
		For >100, Deduct		*-4.95*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt		26.29	
		For >10 To 50, Deduct		*-1.22*	
		For >50 To 100, Deduct		*-2.48*	
		For >100, Deduct		*-4.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	26.70	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.05	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.16*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.14	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.16*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.33	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.17*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.69	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.19*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.05	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.21*	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	36.93	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.18*	
		For >100, Deduct	*-6.35*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.40	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.47*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.73	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.67*	
		For >100, Deduct	*-7.35*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.81	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.68*	
		For >100, Deduct	*-7.35*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.25	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.37*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.78	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.40*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.38	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.72*	
		For >100, Deduct	*-7.43*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	43.69	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.77*	
		For >100, Deduct	*-7.55*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	46.75	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.85*	
		For >100, Deduct	*-7.70*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	50.21	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.94*	
		For >100, Deduct	*-7.87*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	50.19	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.16*	
		For >100, Deduct	*-8.33*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	52.01	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.21*	
		For >100, Deduct	*-8.42*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	54.42	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.27*	
		For >100, Deduct	*-8.54*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	62.88	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.34*	
		For >100, Deduct	*-10.67*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	66.30	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.42*	
		For >100, Deduct	*-10.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	69.70	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.51*	
		For >100, Deduct	*-11.01*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	81.53	
		For >10 To 50, Deduct	*-3.21*	
		For >50 To 100, Deduct	*-6.86*	
		For >100, Deduct	*-13.72*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	83.98	
		For >10 To 50, Deduct	*-3.21*	
		For >50 To 100, Deduct	*-6.92*	
		For >100, Deduct	*-13.84*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.48	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.04	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	17.76	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.17	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.63*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.65	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.65*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	22.00	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.67*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	24.62	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.83	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.29*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	33.73	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.34*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	34.26	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.68*	
		For >100, Deduct	*-5.36*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	36.65	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.48*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	40.24	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.83*	
		For >100, Deduct	*-5.66*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	47.26	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.43*	
		For >100, Deduct	*-6.87*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	49.59	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.49*	
		For >100, Deduct	*-6.98*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	52.12	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.56*	
		For >100, Deduct	*-7.11*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	55.48	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.64*	
		For >100, Deduct	*-7.28*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	70.24	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.01*	
		For >100, Deduct	*-8.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	56.42	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.09*	
		For >100, Deduct	*-8.18*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	61.17	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.21*	
		For >100, Deduct	*-8.42*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	65.23	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.31*	
		For >100, Deduct	*-8.62*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	65.73	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.32*	
		For >100, Deduct	*-8.65*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	69.53	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.42*	
		For >100, Deduct	*-8.84*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	79.42	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.67*	
		For >100, Deduct	*-9.33*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	93.36	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-5.01*	
		For >100, Deduct	*-10.03*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	93.82	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-5.25*	
		For >100, Deduct	*-10.51*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	136.51	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-7.18*	
		For >100, Deduct	*-14.35*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	157.13	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-7.69*	
		For >100, Deduct	*-15.39*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	16.97	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	17.97	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	22.73	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.56	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	23.77	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-3.76*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	27.73	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.95*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	36.61	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.48*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	38.91	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-5.60*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	43.08	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	44.12	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	60.04	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.75*	
		For >100, Deduct	*-7.51*	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	61.29	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.57*	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	74.30	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.54*	
		For >100, Deduct	*-9.08*	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	79.52	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.67*	
		For >100, Deduct	*-9.34*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084	EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.29	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.16*	
05 05 19 00-0085	EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	31.86	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.24*	
05 05 19 00-0086	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	33.43	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.32*	
05 05 19 00-0087	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	34.21	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.68*	
		For >100, Deduct	*-5.36*	
05 05 19 00-0088	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	41.33	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.29*	
		For >100, Deduct	*-6.57*	
05 05 19 00-0089	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	39.44	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.48*	
05 05 19 00-0090	EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	53.32	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.01*	
		For >100, Deduct	*-8.03*	
05 05 19 00-0091	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	55.05	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.06*	
		For >100, Deduct	*-8.11*	
05 05 19 00-0092	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	63.54	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.27*	
		For >100, Deduct	*-8.54*	
05 05 19 00-0093	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	68.28	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.47*	
		For >100, Deduct	*-10.94*	
05 05 19 00-0094	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	73.16	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-11.19*	
05 05 19 00-0095	EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	78.00	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.71*	
		For >100, Deduct	*-11.43*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098	EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.81	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0099	EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.94	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0100	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.10	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.59	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	15.71	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.66	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.45*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.88	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.09	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.33	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.91*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.60	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.93*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.84	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.94*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.13	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.61	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.04*	
		For >100, Deduct	*-6.08*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.03	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.10*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.35	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.12*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	33.25	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.17*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.38	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.64*	
		For >100, Deduct	*-7.28*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.16	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.32*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	39.86	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.68*	
		For >100, Deduct	*-7.35*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.99	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.41*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	17.37	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.51*	
		For >100, Deduct	*-3.03*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.70	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.70*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	24.92	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	33.80	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.34*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	37.80	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.77*	
		For >100, Deduct	*-5.54*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	51.74	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.09*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.45	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.67	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.47*	
		For >100, Deduct	*-2.94*	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.38	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	17.29	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.13*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	18.65	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	19.34	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	19.87	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	27.02	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	27.43	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.02*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	28.63	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.08*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.19	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.15*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	35.21	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.26*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.64	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.17*	
		For >100, Deduct	*-6.34*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	37.91	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.20*	
		For >100, Deduct	*-6.40*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	44.36	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.79*	
		For >100, Deduct	*-7.58*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	45.70	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.82*	
		For >100, Deduct	*-7.64*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	20.58	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.03*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	25.16	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	30.37	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-2.92*	
		For >100, Deduct	*-5.83*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	34.12	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.22*	
		For >100, Deduct	*-6.45*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	40.29	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-3.70*	
		For >100, Deduct	*-7.41*	

05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	25.63	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.14*	
		For >100, Deduct	*-4.28*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	34.47	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.69*	
		For >100, Deduct	*-5.39*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	43.06	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-6.47*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	54.52	
		For >10 To 50, Deduct	*-1.58*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-7.47*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	75.35	
		For >10 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.58*	
		For >100, Deduct	*-9.16*	

05 05 19 00-0155 Single Bolt Expansion Anchors *(05 05 19 00-0002)*

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.00	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.95	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	18.05	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	26.13	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	35.04	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.26*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	42.11	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-7.47*	

05 05 19 00-0162 Concrete Lag Shield Anchors *(05 05 19 00-0002)*

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	15.44	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	18.37	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	19.22	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.53*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	27.08	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	34.18	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.11*	
		For >100, Deduct	*-6.21*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	39.01	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.31*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	18.36	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.29*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	20.96	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.64*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	26.06	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.23	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.16*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	31.58	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	39.06	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-6.46*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	49.73	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.92*	
		For >100, Deduct	*-7.85*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	57.83	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-4.35*	
		For >100, Deduct	*-8.70*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	78.20	
		For >10 To 50, Deduct	*-2.51*	
		For >50 To 100, Deduct	*-5.72*	
		For >100, Deduct	*-11.44*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	109.55	
		For >10 To 50, Deduct	*-3.16*	
		For >50 To 100, Deduct	*-7.48*	
		For >100, Deduct	*-14.97*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	16.13	
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	17.65	
		For >10 To 50, Deduct	*-0.86*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.47*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	20.65	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.05*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	25.04	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	27.82	
		For >10 To 50, Deduct	*-1.30*	
		For >50 To 100, Deduct	*-2.65*	
		For >100, Deduct	*-5.29*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	35.07	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.27*	
		For >100, Deduct	*-6.54*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	38.41	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-7.05*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	47.56	
		For >10 To 50, Deduct	*-2.06*	
		For >50 To 100, Deduct	*-4.28*	
		For >100, Deduct	*-8.57*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	52.46	
		For >10 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-4.67*	
		For >100, Deduct	*-9.33*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	60.68	
		For >10 To 50, Deduct	*-2.53*	
		For >50 To 100, Deduct	*-5.31*	
		For >100, Deduct	*-10.63*	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	67.79	
		For >10 To 50, Deduct	*-2.76*	
		For >50 To 100, Deduct	*-5.84*	
		For >100, Deduct	*-11.67*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	76.87	
		For >10 To 50, Deduct	*-3.01*	
		For >50 To 100, Deduct	*-6.43*	
		For >100, Deduct	*-12.86*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	95.74	
		For >10 To 50, Deduct	*-3.53*	
		For >50 To 100, Deduct	*-7.69*	
		For >100, Deduct	*-15.38*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	135.56	
		For >10 To 50, Deduct	*-4.26*	
		For >50 To 100, Deduct	*-9.78*	
		For >100, Deduct	*-19.57*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	5.44	
		For >10 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-1.07*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	14.63	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	14.70	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	14.84	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	14.71	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	14.79	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	14.96	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.91*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	16.54	
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0208		EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	17.32	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.51*	
			For >100, Deduct	*-3.02*	
05 05 19 00-0209		EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	17.53	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.52*	
			For >100, Deduct	*-3.03*	
05 05 19 00-0210		EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	17.91	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.53*	
			For >100, Deduct	*-3.05*	
05 05 19 00-0211		EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	18.23	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.53*	
			For >100, Deduct	*-3.07*	
05 05 19 00-0212		EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	18.91	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.55*	
			For >100, Deduct	*-3.10*	
05 05 19 00-0213		EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	19.74	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.57*	
			For >100, Deduct	*-3.14*	
05 05 19 00-0214		EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	20.51	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.59*	
			For >100, Deduct	*-3.18*	
05 05 19 00-0215		EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	22.66	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.65*	
			For >100, Deduct	*-3.29*	
05 05 19 00-0216		EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	22.92	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.65*	
			For >100, Deduct	*-3.30*	
05 05 19 00-0217		EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	24.23	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.68*	
			For >100, Deduct	*-3.37*	
05 05 19 00-0218		EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	25.58	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.72*	
			For >100, Deduct	*-3.44*	
05 05 19 00-0219		EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	26.45	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.74*	
			For >100, Deduct	*-3.48*	
05 05 19 00-0220		EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	26.06	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.73*	
			For >100, Deduct	*-3.46*	
05 05 19 00-0221		EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	27.31	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.76*	
			For >100, Deduct	*-3.52*	
05 05 19 00-0222		EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	30.23	
			For >10 To 50, Deduct	*-0.72*	
			For >50 To 100, Deduct	*-1.83*	
			For >100, Deduct	*-3.67*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224		EA	1/4" x 1" Pin Bolt Drive	9.00	
			For >10 To 50, Deduct	*-0.43*	
			For >50 To 100, Deduct	*-0.87*	
			For >100, Deduct	*-1.74*	
05 05 19 00-0225		EA	1/4" x 1-1/4" Pin Bolt Drive	9.00	
			For >10 To 50, Deduct	*-0.43*	
			For >50 To 100, Deduct	*-0.87*	
			For >100, Deduct	*-1.74*	
05 05 19 00-0226		EA	1/4" x 1-1/2" Pin Bolt Drive	9.06	
			For >10 To 50, Deduct	*-0.43*	
			For >50 To 100, Deduct	*-0.87*	
			For >100, Deduct	*-1.75*	
05 05 19 00-0227		EA	1/4" x 2" Pin Bolt Drive	9.07	
			For >10 To 50, Deduct	*-0.43*	
			For >50 To 100, Deduct	*-0.87*	
			For >100, Deduct	*-1.75*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.18	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.40*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.29	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.48	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.22*	
		For >100, Deduct	*-0.45*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.71	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.48*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.81	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.49*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.49	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.43*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.27	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >100, Deduct	*-0.53*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Minimum Charge For Welding Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	548.50

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	13.54	
		For Aluminum Welding, Add	*2.16*	
		For Stainless Steel Welding, Add	*3.55*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	10.58	
		For Aluminum Welding, Add	*1.72*	
		For Stainless Steel Welding, Add	*2.81*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	8.95	
		For Aluminum Welding, Add	*2.01*	
		For Stainless Steel Welding, Add	*3.07*	
		For Up To 25, Add	*2.86*	
		For >25 To 50, Add	*2.02*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	17.06	
		For Aluminum Welding, Add	*3.38*	
		For Stainless Steel Welding, Add	*5.29*	
		For Up To 25, Add	*5.63*	
		For >25 To 50, Add	*3.99*	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	25.64	
		For Aluminum Welding, Add	*5.11*	
		For Stainless Steel Welding, Add	*7.99*	
		For Up To 25, Add	*8.45*	
		For >25 To 50, Add	*5.99*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	33.84	
		For Aluminum Welding, Add	*6.77*	
		For Stainless Steel Welding, Add	*10.58*	
		For Up To 25, Add	*11.14*	
		For >25 To 50, Add	*7.90*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	42.70	
		For Aluminum Welding, Add	*8.49*	
		For Stainless Steel Welding, Add	*13.28*	
		For Up To 25, Add	*14.08*	
		For >25 To 50, Add	*9.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	49.22	
		For Aluminum Welding, Add	*9.03*	
		For Stainless Steel Welding, Add	*14.37*	
		For Up To 25, Add	*16.54*	
		For >25 To 50, Add	*11.76*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	58.42	
		For Aluminum Welding, Add	*11.67*	
		For Stainless Steel Welding, Add	*18.24*	
		For Up To 25, Add	*19.24*	
		For >25 To 50, Add	*13.64*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	67.84	
		For Aluminum Welding, Add	*12.78*	
		For Stainless Steel Welding, Add	*20.22*	
		For Up To 25, Add	*22.66*	
		For >25 To 50, Add	*16.09*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	78.69	
		For Aluminum Welding, Add	*14.88*	
		For Stainless Steel Welding, Add	*23.52*	
		For Up To 25, Add	*26.26*	
		For >25 To 50, Add	*18.65*	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	106.89	
		For Aluminum Welding, Add	*21.33*	
		For Stainless Steel Welding, Add	*33.34*	
		For Up To 25, Add	*35.21*	
		For >25 To 50, Add	*24.96*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	156.94	
		For Aluminum Welding, Add	*29.44*	
		For Stainless Steel Welding, Add	*46.61*	
		For Up To 25, Add	*52.47*	
		For >25 To 50, Add	*37.27*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	212.64	
		For Aluminum Welding, Add	*41.79*	
		For Stainless Steel Welding, Add	*65.53*	
		For Up To 25, Add	*70.30*	
		For >25 To 50, Add	*49.86*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	7.60	
		For Aluminum Welding, Add	*1.81*	
		For Stainless Steel Welding, Add	*2.73*	
		For Up To 25, Add	*2.38*	
		For >25 To 50, Add	*1.68*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	14.57	
		For Aluminum Welding, Add	*3.06*	
		For Stainless Steel Welding, Add	*4.73*	
		For Up To 25, Add	*4.74*	
		For >25 To 50, Add	*3.35*	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	21.78	
		For Aluminum Welding, Add	*4.57*	
		For Stainless Steel Welding, Add	*7.07*	
		For Up To 25, Add	*7.08*	
		For >25 To 50, Add	*5.01*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	28.83	
		For Aluminum Welding, Add	*6.10*	
		For Stainless Steel Welding, Add	*9.43*	
		For Up To 25, Add	*9.35*	
		For >25 To 50, Add	*6.62*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	36.35	
		For Aluminum Welding, Add	*7.62*	
		For Stainless Steel Welding, Add	*11.80*	
		For Up To 25, Add	*11.82*	
		For >25 To 50, Add	*8.36*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	41.63	
		For Aluminum Welding, Add	*7.98*	
		For Stainless Steel Welding, Add	*12.58*	
		For Up To 25, Add	*13.85*	
		For >25 To 50, Add	*9.83*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	49.68	
		For Aluminum Welding, Add	*10.49*	
		For Stainless Steel Welding, Add	*16.22*	
		For Up To 25, Add	*16.12*	
		For >25 To 50, Add	*11.41*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	57.59	
		For Aluminum Welding, Add	*11.42*	
		For Stainless Steel Welding, Add	*17.87*	
		For Up To 25, Add	*19.00*	
		For >25 To 50, Add	*13.47*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	67.30	
		For Aluminum Welding, Add	*13.70*	
		For Stainless Steel Welding, Add	*21.33*	
		For Up To 25, Add	*22.06*	
		For >25 To 50, Add	*15.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	91.03	
		For Aluminum Welding, Add	*19.21*	
		For Stainless Steel Welding, Add	*29.70*	
		For Up To 25, Add	*29.55*	
		For >25 To 50, Add	*20.91*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	131.77	
		For Aluminum Welding, Add	*25.27*	
		For Stainless Steel Welding, Add	*39.83*	
		For Up To 25, Add	*43.82*	
		For >25 To 50, Add	*31.11*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	180.33	
		For Aluminum Welding, Add	*37.42*	
		For Stainless Steel Welding, Add	*58.04*	
		For Up To 25, Add	*58.80*	
		For >25 To 50, Add	*41.63*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0277 for drilling into concrete, 02 41 19 13-0292 for drilling into brick or block, 02 41 19 13-0307 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	15.51	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	17.22	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	17.27	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	20.62	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	20.14	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	24.19	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	30.86	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.79*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	33.18	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.01*	
		For >100, Deduct	*-4.02*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	24.24	1.63
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.25*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	29.35	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.71*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	34.71	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-4.10*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	50.05	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	58.66	2.25
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.74*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	66.11	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0018		**Galvanized A307B Heavy Hex Bolts** *(05 05 23 00-0002)*		
05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	16.35	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	17.78	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.77*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	19.34	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.85*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	22.69	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	22.49	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.01*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	28.54	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.58*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	38.35	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	45.30	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.63*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	30.40	1.63
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	36.29	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.03*	
		For >100, Deduct	*-4.06*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	43.66	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.55*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	66.28	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	65.92	2.25
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-3.05*	
		For >100, Deduct	*-6.10*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	82.93	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.57*	
		For >100, Deduct	*-7.15*	
05 05 23 00-0033		**A325 High Strength Structural Bolts** *(05 05 23 00-0001)*		
		Note: Includes A325 heavy hex nut and two structural washers.		
05 05 23 00-0034		**Plain Finish A325 High Strength Structural Bolts** *(05 05 23 00-0033)*		
		Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	15.12	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	15.49	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.66*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	16.70	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	20.65	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	24.17	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	18.38	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.80*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	22.45	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.27*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	25.75	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.77*	
		For >100, Deduct	*-3.53*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	32.11	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.97*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	21.48	1.63
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.12*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	26.41	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	30.37	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	32.98	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.13*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	23.88	1.69
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	28.94	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.81*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	33.79	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.17*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	43.84	2.11
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.42*	
		For >100, Deduct	*-4.83*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	41.73	2.11
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.73*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	47.50	2.25
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-5.18*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	56.07	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.81*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	66.18	2.57
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.26*	
		For >100, Deduct	*-6.51*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	15.87	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	16.14	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.69*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	18.29	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.80*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.79	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.09	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	19.11	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	23.37	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	27.19	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.80*	
		For >100, Deduct	*-3.61*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	35.51	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	25.88	1.63
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	29.01	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.85*	
		For >100, Deduct	*-3.69*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	33.52	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	42.43	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.60*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	27.30	1.69
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.49*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	36.78	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.10*	
		For >100, Deduct	*-4.20*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	40.35	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.25*	
		For >100, Deduct	*-4.50*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	51.93	2.11
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.24*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	51.60	2.11
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	55.04	2.25
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.78*	
		For >100, Deduct	*-5.55*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	64.71	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.12*	
		For >100, Deduct	*-6.24*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	75.20	2.57
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.96*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	17.30	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	24.75	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.39*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	26.53	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	19.62	1.50
		For >10 To 50, Deduct	*-0.63*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	23.86	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	28.03	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.82*	
		For >100, Deduct	*-3.65*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	36.54	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.19*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	22.91	1.63
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.19*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	26.87	1.79
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.79*	
		For >100, Deduct	*-3.58*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	39.62	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.17*	
		For >100, Deduct	*-4.34*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	27.23	1.69
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.74*	
		For >100, Deduct	*-3.48*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	32.70	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	37.82	1.98
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.19*	
		For >100, Deduct	*-4.37*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	47.70	2.11
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.03*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	61.75	2.25
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.89*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	64.95	2.40
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-3.13*	
		For >100, Deduct	*-6.25*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	67.70	2.57
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.29*	
		For >100, Deduct	*-6.59*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.26	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.31	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.81	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.08	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.13	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.18	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.30	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.73	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.64	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.53	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.31	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.92	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.74	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.13	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.35	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.57	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.23	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.70	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.88	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.02	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.30	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.03	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.92	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.24	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.87	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.95	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.66	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.88	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.27	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.59	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.97	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.52	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.72	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.29	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.83	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.05	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.53	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.86	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.27	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.35	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.97	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.30	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.81	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.41	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.94	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.28	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.52	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.88	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.36	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.91	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.24	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.65	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.43	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.06	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.54	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.00	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.06	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.89	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.62	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.28	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.05	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.15	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.90	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.67	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.27	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.53	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.88	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.19	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.84	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.32	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.75	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.48	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.08	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.55	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.77	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.17	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.90	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.21	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.94	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.74	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.05	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.86	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.92	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.96	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.62	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.05	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.70	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.48	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.43	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.76	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.50	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.33	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.77	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.82	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.14	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.21	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.26	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.50	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.61	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.64	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.74	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0266		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.91	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.84	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.31	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.84	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.22	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.91	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.25	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.63	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.57	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.23	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.39	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.82	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	33.96	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	35.16	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	36.37	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	37.72	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	38.91	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	40.12	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.26	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.31	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.78	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.56	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.32	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.06	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.99	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.06	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.36	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.01	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.41	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.42	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.12	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.65	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.91	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.98	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.61	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.40	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.13	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.35	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.69	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.13	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.38	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.65	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.26	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.62	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.98	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.12	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.02	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.31	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.60	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.13	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.10	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.48	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.45	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.58	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.13	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.33	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.56	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.91	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.43	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.96	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.24	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.81	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.40	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.54	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.30	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.34	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.52	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.17	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.25	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.53	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.93	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.32	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.29	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.27	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.47	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.54	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.01	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.76	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.67	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.16	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.66	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.44	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.68	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.08	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.10	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.25	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.37	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.75	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.78	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.49	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.43	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.74	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.43	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.95	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.53	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.04	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.10	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.84	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.72	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.79	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.57	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.69	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.32	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.24	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.81	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.65	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.10	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.17	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.42	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.37	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.41	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.10	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.88	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.11	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.03	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.72	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.49	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.79	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.23	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.68	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.77	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.11	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.53	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.74	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	36.95	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.48	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.56	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.59	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.60	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.33	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.54	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.72	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.43	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.90	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.27	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.65	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.45	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.00	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.72	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	44.13	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	44.77	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	46.52	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	47.71	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.23	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.54	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.03	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.84	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.52	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.01	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.64	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.08	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.27	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.46	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.43	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.85	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0507		**3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0472)*		
05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.58	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.63	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.32	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.60	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.26	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.65	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.53	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.14	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.83	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.45	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0524		**7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** *(05 05 23 00-0472)*		
05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.13	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.61	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.65	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.96	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.04	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.89	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.73	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.47	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.38	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.81	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.92	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.93	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.73	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.52	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.78	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.95	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.94	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.85	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.88	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.29	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.42	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.57	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.39	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.81	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.84	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.34	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.23	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.39	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.03	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.72	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.82	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.23	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.83	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.74	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.19	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.47	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.46	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	36.88	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.68	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.86	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.31	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.89	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.20	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.68	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.72	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.18	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.91	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.42	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.10	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.27	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.75	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.07	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.35	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.52	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.64	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.96	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.65	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.08	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.32	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.10	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.89	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.75	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.63	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.28	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.55	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.43	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.89	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.32	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.92	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.07	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.49	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0616 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.03	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.58	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.64	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.27	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.46	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.07	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.01	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.02	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.61	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.08	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.90	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.44	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.36	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	42.95	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.47	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.93	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	45.32	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	46.27	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.58	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.95	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.81	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.83	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.74	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.51	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.16	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.36	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.64	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.57	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.18	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.14	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	43.34	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.24	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	47.26	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	48.76	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	52.72	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	55.14	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.41	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.12	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.28	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.62	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.82	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.87	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.26	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.44	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.91	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.81	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.88	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.38	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.43	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.84	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.36	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.79	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.00	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.43	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.56	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.69	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.02	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.42	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.41	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.55	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.88	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.74	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.82	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.10	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.15	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.68	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.53	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.57	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.59	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.63	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.67	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.31	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.73	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.81	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.25	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.39	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.74	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.39	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.86	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.35	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.40	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.74	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.87	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.24	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.26	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.56	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.63	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.80	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.25	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.75	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.33	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.77	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.75	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.17	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.64	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.28	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.63	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.63	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.95	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.71	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.23	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.23	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.06	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.97	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.11	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.68	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.74	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.17	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.54	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.42	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.15	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.23	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.42	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.79	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.96	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.44	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.65	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.80	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.28	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.24	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.75	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.03	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.17	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.81	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.37	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.95	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.88	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.32	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.15	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.76	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.55	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.35	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.96	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.82	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.75	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.88	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.15	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.72	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.34	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.13	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.87	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.75	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.18	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.24	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.07	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.23	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.65	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.88	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.26	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.71	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.88	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.92	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	36.67	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	38.39	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	39.16	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	40.56	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	41.63	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	43.20	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.67	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.59	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.92	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.83	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.78	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.64	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.99	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.82	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.74	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.87	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.00	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.69	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.43	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.58	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.02	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.95	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.36	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.73	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.52	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.58	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.31	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.97	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.85	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.05	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.45	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.81	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.36	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.58	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.75	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.43	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.08	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.89	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.25	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.12	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.71	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.84	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.25	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.58	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.12	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.75	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.49	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.45	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.98	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.87	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.34	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.87	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.83	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.97	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.26	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.43	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.20	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.42	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.62	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.11	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.47	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.81	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.12	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.32	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.18	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.21	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.58	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.97	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.75	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.29	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.35	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.99	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.70	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.72	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.22	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.33	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.93	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.93	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.36	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.42	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.43	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.04	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.20	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.64	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.93	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.09	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.49	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.57	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.25	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.66	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	51.95	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.54	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.02	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.00	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.30	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.96	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.39	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.80	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.49	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.73	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.53	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.63	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.72	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	39.64	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.30	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.63	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	60.73	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.32	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	62.44	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	65.47	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.81	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0951		7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*			
05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		25.48	
		For >100 To 250, Deduct		*-2.57*	
		For >250 To 500, Deduct		*-3.21*	
		For >500, Deduct		*-3.86*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		27.93	
		For >100 To 250, Deduct		*-2.57*	
		For >250 To 500, Deduct		*-3.21*	
		For >500, Deduct		*-3.86*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		30.07	
		For >100 To 250, Deduct		*-2.62*	
		For >250 To 500, Deduct		*-3.28*	
		For >500, Deduct		*-3.93*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt		32.56	
		For >100 To 250, Deduct		*-2.62*	
		For >250 To 500, Deduct		*-3.28*	
		For >500, Deduct		*-3.93*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		33.37	
		For >100 To 250, Deduct		*-2.62*	
		For >250 To 500, Deduct		*-3.28*	
		For >500, Deduct		*-3.93*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt		35.67	
		For >100 To 250, Deduct		*-2.67*	
		For >250 To 500, Deduct		*-3.34*	
		For >500, Deduct		*-4.01*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		36.47	
		For >100 To 250, Deduct		*-2.67*	
		For >250 To 500, Deduct		*-3.34*	
		For >500, Deduct		*-4.01*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt		41.89	
		For >100 To 250, Deduct		*-2.67*	
		For >250 To 500, Deduct		*-3.34*	
		For >500, Deduct		*-4.01*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		42.95	
		For >100 To 250, Deduct		*-2.72*	
		For >250 To 500, Deduct		*-3.41*	
		For >500, Deduct		*-4.09*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt		45.04	
		For >100 To 250, Deduct		*-2.72*	
		For >250 To 500, Deduct		*-3.41*	
		For >500, Deduct		*-4.09*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		56.53	
		For >100 To 250, Deduct		*-2.72*	
		For >250 To 500, Deduct		*-3.41*	
		For >500, Deduct		*-4.09*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt		61.19	
		For >100 To 250, Deduct		*-2.78*	
		For >250 To 500, Deduct		*-3.47*	
		For >500, Deduct		*-4.16*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		66.35	
		For >100 To 250, Deduct		*-2.78*	
		For >250 To 500, Deduct		*-3.47*	
		For >500, Deduct		*-4.16*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt		70.50	
		For >100 To 250, Deduct		*-2.78*	
		For >250 To 500, Deduct		*-3.47*	
		For >500, Deduct		*-4.16*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		83.36	
		For >100 To 250, Deduct		*-2.83*	
		For >250 To 500, Deduct		*-3.53*	
		For >500, Deduct		*-4.24*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt		93.46	
		For >100 To 250, Deduct		*-2.83*	
		For >250 To 500, Deduct		*-3.53*	
		For >500, Deduct		*-4.24*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		98.13	
		For >100 To 250, Deduct		*-2.83*	
		For >250 To 500, Deduct		*-3.53*	
		For >500, Deduct		*-4.24*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt		102.79	
		For >100 To 250, Deduct		*-2.83*	
		For >250 To 500, Deduct		*-3.53*	
		For >500, Deduct		*-4.24*	
05 05 23 00-0970		1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*			
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		31.43	
		For >100 To 250, Deduct		*-2.57*	
		For >250 To 500, Deduct		*-3.21*	
		For >500, Deduct		*-3.86*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		33.22	
		For >100 To 250, Deduct		*-2.57*	
		For >250 To 500, Deduct		*-3.21*	
		For >500, Deduct		*-3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.15	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.41	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.12	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.55	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.13	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.96	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.80	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	57.01	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.27	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	80.50	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	82.43	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	84.37	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	88.48	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	94.41	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	121.31	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	152.65	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.62	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.91	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.92	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.29	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.50	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.64	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	23.52	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	35.18	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	60.33	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	66.06	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.87	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.71	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.12	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.62	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.86	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.24	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.20	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.22	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.86	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	12.69	
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-2.70*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	13.59	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-2.78*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	15.03	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.69	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	16.13	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-2.85*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.84	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	19.60	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.68	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-2.44*	
		For >500, Deduct	*-2.93*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	24.39	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.65	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	39.49	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.01*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.90	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.30	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.77	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.12	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.34	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	23.73	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.11	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	24.93	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.74	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.32	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.90	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	27.61	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	14.10	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.91	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	16.05	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.66	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	18.91	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.22	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.00	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.42	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	27.32	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.96	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	28.73	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.79	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	39.10	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.72	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	46.07	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	57.82	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	65.24	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.45	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	68.34	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	34.42	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.08	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	46.01	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 500, Deduct	*-2.57*	
		For >500, Deduct	*-3.08*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.26	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	56.53	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.80	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.16*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	65.34	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.69	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	73.55	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.98	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	78.38	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.77*	
		For >500, Deduct	*-3.32*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	19.53	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.76	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	19.84	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.61	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	23.17	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.14	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	29.44	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	33.79	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	35.29	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.40	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	39.64	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.24	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	50.25	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.21	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	54.77	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.23	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	61.24	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.61	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	90.96	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	25.57	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.11	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	28.18	
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-2.89*	
		For >500, Deduct	*-3.47*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.24	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	34.10	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.34	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-3.55*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	41.37	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.34	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	44.43	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.02*	
		For >500, Deduct	*-3.62*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.12	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	48.60	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.20	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.08*	
		For >500, Deduct	*-3.70*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.47	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	76.05	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	77.34	
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-3.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.76	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	95.75	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	96.85	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	99.59	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.82	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	32.39	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.60	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	39.60	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.84	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.07	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.11	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	53.92	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	54.35	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	56.61	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	75.69	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	84.37	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	93.42	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	97.88	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	103.93	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	107.81	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.65	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	115.98	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1144		1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	36.68	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.21*	
		For >500, Deduct	*-3.86*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.44	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	46.13	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	52.02	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-3.93*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	54.39	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.38	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	62.42	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.01*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.73	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	77.15	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	87.43	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.09*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	101.75	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	113.56	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	115.26	
		For >100 To 250, Deduct	*-2.78*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.16*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	119.37	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	121.00	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	140.62	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	159.56	
		For >100 To 250, Deduct	*-2.83*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-4.24*	
05 05 23 00-1162		Screws *(05 05 23)*		
05 05 23 00-1163		Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*		
		Note: Includes Climaseal® finish, self-drill point and tapping threads.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.83	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.88*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.03	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.45*	
		For >100, Deduct	*-0.89*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.60	
		For >10 To 50, Deduct	*-0.23*	
		For >50 To 100, Deduct	*-0.48*	
		For >100, Deduct	*-0.97*	
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.67	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-1.24*	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	8.19	
		For >10 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-0.65*	
		For >100, Deduct	*-1.31*	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.06	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.72*	
		For >100, Deduct	*-1.45*	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	11.23	
		For >10 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.77*	
		For >100, Deduct	*-1.55*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.80	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.35	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.83	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.99	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.30	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.48	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.70	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.18	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.32	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.62	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.68	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.77*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.89	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.78*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.53	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.99	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.79*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	5.13	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.80*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.75	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.83*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	6.72	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.87*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.18	0.59
		For Left Hand Threaded Rod, Add	*0.10*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.80	0.65
		For Left Hand Threaded Rod, Add	*0.15*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.24	0.76
		For Left Hand Threaded Rod, Add	*0.17*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.25	0.78
		For Left Hand Threaded Rod, Add	*0.27*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.36	0.81
		For Left Hand Threaded Rod, Add	*0.28*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.32	0.82
		For Left Hand Threaded Rod, Add	*0.37*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.95	0.83
		For Left Hand Threaded Rod, Add	*0.43*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.51	0.85
		For Left Hand Threaded Rod, Add	*0.78*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.34	0.88
		For Left Hand Threaded Rod, Add	*0.86*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.03	1.00
		For Left Hand Threaded Rod, Add	*1.20*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.41	1.11
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	22.99	1.20
		For Left Hand Threaded Rod, Add	*2.05*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.48	1.30
		For Left Hand Threaded Rod, Add	*2.59*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	33.96	1.36
		For Left Hand Threaded Rod, Add	*3.12*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	41.52	1.43
		For Left Hand Threaded Rod, Add	*3.87*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	52.88	1.50
		For Left Hand Threaded Rod, Add	*4.99*	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.19	0.59
		For Left Hand Threaded Rod, Add	*0.10*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.13	0.65
		For Left Hand Threaded Rod, Add	*0.18*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.49	0.76
		For Left Hand Threaded Rod, Add	*0.20*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	4.86	0.78
		For Left Hand Threaded Rod, Add	*0.33*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.22	0.81
		For Left Hand Threaded Rod, Add	*0.36*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.72	0.82
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	7.12	0.83
		For Left Hand Threaded Rod, Add	*0.55*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	10.51	0.85
		For Left Hand Threaded Rod, Add	*0.88*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	13.50	0.88
		For Left Hand Threaded Rod, Add	*1.17*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	18.03	1.00
		For Left Hand Threaded Rod, Add	*1.60*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	23.19	1.11
		For Left Hand Threaded Rod, Add	*2.10*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	27.63	1.20
		For Left Hand Threaded Rod, Add	*2.51*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	31.36	1.30
		For Left Hand Threaded Rod, Add	*2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	39.34	1.36
		For Left Hand Threaded Rod, Add	*3.66*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	48.61	1.43
		For Left Hand Threaded Rod, Add	*4.58*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	70.64	1.50
		For Left Hand Threaded Rod, Add	*6.77*	

05 05 23 00-1225 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	5.50	0.76
		For Left Hand Threaded Rod, Add	*0.40*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	7.57	0.81
		For Left Hand Threaded Rod, Add	*0.60*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.09	0.83
		For Left Hand Threaded Rod, Add	*0.84*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	13.72	0.85
		For Left Hand Threaded Rod, Add	*1.20*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	18.84	0.88
		For Left Hand Threaded Rod, Add	*1.71*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	24.23	1.00
		For Left Hand Threaded Rod, Add	*2.22*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	31.79	1.11
		For Left Hand Threaded Rod, Add	*2.96*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	41.70	1.20
		For Left Hand Threaded Rod, Add	*3.92*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	46.56	1.30
		For Left Hand Threaded Rod, Add	*4.40*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	55.32	1.36
		For Left Hand Threaded Rod, Add	*5.26*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	67.10	1.43
		For Left Hand Threaded Rod, Add	*6.43*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	116.63	1.50
		For Left Hand Threaded Rod, Add	*11.36*	

05 05 23 00-1238 304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.12	0.59
		For Left Hand Threaded Rod, Add	*0.29*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.31	0.65
		For Left Hand Threaded Rod, Add	*0.50*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.15	0.76
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.44	0.78
		For Left Hand Threaded Rod, Add	*0.99*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.78	0.81
		For Left Hand Threaded Rod, Add	*1.22*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.97	0.82
		For Left Hand Threaded Rod, Add	*1.84*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.86	0.83
		For Left Hand Threaded Rod, Add	*1.92*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.35	0.85
		For Left Hand Threaded Rod, Add	*2.77*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.51	0.88
		For Left Hand Threaded Rod, Add	*3.88*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	52.02	1.00
		For Left Hand Threaded Rod, Add	*5.00*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	110.51	1.20
		For Left Hand Threaded Rod, Add	*10.80*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	168.51	1.36
		For Left Hand Threaded Rod, Add	*16.58*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	173.32	1.43
		For Left Hand Threaded Rod, Add	*17.05*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	240.04	1.50
		For Left Hand Threaded Rod, Add	*23.71*	

05 05 23 00-1253 316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	6.08	0.59
		For Left Hand Threaded Rod, Add	*0.49*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	9.94	0.65
		For Left Hand Threaded Rod, Add	*0.86*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	13.25	0.76
		For Left Hand Threaded Rod, Add	*1.18*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	20.85	0.78
		For Left Hand Threaded Rod, Add	*1.93*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	22.13	0.81
		For Left Hand Threaded Rod, Add	*2.05*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	29.14	0.82
		For Left Hand Threaded Rod, Add	*2.75*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	31.38	0.83
		For Left Hand Threaded Rod, Add	*2.97*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	45.91	0.85
		For Left Hand Threaded Rod, Add	*4.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	62.99	0.88
		For Left Hand Threaded Rod, Add	*6.12*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	79.76	1.00
		For Left Hand Threaded Rod, Add	*7.78*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	168.78	1.20
		For Left Hand Threaded Rod, Add	*16.63*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	221.35	1.36
		For Left Hand Threaded Rod, Add	*21.86*	

05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	3.56	0.59
		For Zinc Plating, Add	*1.18*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.37	0.65
		For Zinc Plating, Add	*2.03*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.64	0.76
		For Zinc Plating, Add	*2.07*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.13	0.78
		For Zinc Plating, Add	*2.30*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.73	0.81
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.33	0.82
		For Zinc Plating, Add	*3.36*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.59	0.83
		For Zinc Plating, Add	*3.47*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.29	0.85
		For Zinc Plating, Add	*4.80*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.47	0.88
		For Zinc Plating, Add	*5.86*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	17.41	1.00
		For Zinc Plating, Add	*7.71*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	22.57	1.11
		For Zinc Plating, Add	*10.18*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	25.13	1.20
		For Zinc Plating, Add	*11.32*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	28.94	1.30
		For Zinc Plating, Add	*13.17*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.09	1.36
		For Zinc Plating, Add	*16.19*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	36.28	1.43
		For Zinc Plating, Add	*16.72*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	48.51	1.50
		For Zinc Plating, Add	*22.76*	

05 05 23 00-1283 Nuts And Washers *(05 05 23)*

05 05 23 00-1284 Hex Nuts *(05 05 23 00-1283)*

05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.79	0.36
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.88	0.36
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.95	0.36
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.10	0.36
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.19	0.36
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.56	0.36
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.61	0.36
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.91	0.71
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.78	0.71
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.53	0.71
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.76	0.71
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	7.04	0.71
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	10.33	0.71
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	11.96	1.08
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	17.54	1.08
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	25.33	1.08

05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*

05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.82	0.36
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.89	0.36
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.98	0.36
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.14	0.36
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.33	0.36
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.60	0.36
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.64	0.36
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.16	0.71
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.03	0.71
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.27	0.71
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.50	0.71
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	9.17	0.71
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	13.45	0.71
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	14.85	1.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	26.76	1.08
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	38.36	1.08
05 05 23 00-1319		**Zinc Plated Steel, Grade 8 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.83	0.36
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.96	0.36
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.04	0.36
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.30	0.36
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.55	0.36
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.85	0.36
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.10	0.36
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.61	0.71
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.89	0.71
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	5.18	0.71
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.10	0.71
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	10.10	0.71
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	16.60	0.71
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	17.62	1.08
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	26.84	1.08
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	37.93	1.08
05 05 23 00-1336		**Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.83	0.36
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.93	0.36
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.01	0.36
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.27	0.36
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.46	0.36
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.62	0.36
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.78	0.36
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.38	0.71
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.44	0.71
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.74	0.71
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.84	0.71
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	10.04	0.71
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.88	0.71
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	17.35	1.08
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	30.22	1.08
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	52.25	1.08
05 05 23 00-1353		**304 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.95	0.36
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	1.12	0.36
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.27	0.36
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.91	0.36
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	2.07	0.36
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	3.17	0.36
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	3.54	0.36
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	4.08	0.71
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	6.73	0.71
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	10.32	0.71
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	24.89	0.71
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	47.91	1.08
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	84.33	1.08
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	120.24	1.08
05 05 23 00-1368		**316 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	1.11	0.36
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.27	0.36
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.52	0.36
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.53	0.36
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.71	0.36
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.71	0.36
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	4.19	0.36
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	5.88	0.71
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	8.19	0.71
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	12.66	0.71
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	38.66	0.71
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	62.58	1.08
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	105.71	1.08
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	196.62	1.08
05 05 23 00-1383		**Flat Washers** *(05 05 23 00-1283)*		
05 05 23 00-1384		**Zinc Plated Steel, Low Carbon Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.09	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.16	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.25	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.35	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.40	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.98	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.17	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.43	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.62	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.93	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.03	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.11	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.60	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	5.72	
05 05 23 00-1401		Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.21	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.29	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.33	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.45	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.61	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.98	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.40	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.98	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.30	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.66	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.33	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	5.81	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.67	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	8.77	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.79	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	14.14	
05 05 23 00-1418		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.14	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.20	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.22	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.41	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.53	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.86	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.96	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.46	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.06	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.26	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.46	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.85	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.50	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	5.96	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	8.64	
05 05 23 00-1434		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.18	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.24	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.34	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.64	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.16	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.45	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.12	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	2.16	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.56	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.77	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	6.72	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.24	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.65	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	9.33	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	11.59	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	22.77	
05 05 23 00-1451		316 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.35	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.39	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.69	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.81	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.50	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	3.19	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	4.02	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.22	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	6.95	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.92	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	9.75	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	10.31	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	10.54	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	15.45	
05 05 23 00-1467		Lock Washers *(05 05 23 00-1283)*		
05 05 23 00-1468		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.14	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.23	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.39	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.65	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.17	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.71	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.62	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.15	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.89	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.72	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.82	
05 05 23 00-1485		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.13	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.17	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.29	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.38	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.45	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.75	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.08	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.71	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.10	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.69	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.33	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.10	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.25	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	11.24	
05 05 23 00-1502		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.15	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.21	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.30	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.56	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.61	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.49	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.76	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.05	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.71	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.23	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.13	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.15	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	15.45	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	18.54	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.40	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.47	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.80	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.89	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.59	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.74	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.01	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	4.98	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	6.78	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	9.46	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	14.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	26.07	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	28.95	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.84	
05 05 23 00-1536	EA	5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.22	
05 05 23 00-1537	EA	3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.47	
05 05 23 00-1538	EA	7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.94	
05 05 23 00-1539	EA	1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.76	
05 05 23 00-1540	EA	1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	7.92	
05 05 23 00-1541	EA	1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.23	
05 05 23 00-1542	EA	1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	13.06	
05 05 23 00-1543	EA	1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	14.36	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.60	
05 05 23 00-1546	EA	5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.01	
05 05 23 00-1547	EA	3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.90	
05 05 23 00-1548	EA	7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.76	
05 05 23 00-1549	EA	1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	5.64	
05 05 23 00-1550	EA	1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.50	
05 05 23 00-1551	EA	1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.70	
05 05 23 00-1552	EA	1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	15.23	
05 05 23 00-1553	EA	1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	16.75	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.70	
05 05 23 00-1557	EA	5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.79	
05 05 23 00-1558	EA	3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.90	
05 05 23 00-1559	EA	7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	5.96	
05 05 23 00-1560	EA	1", Plain Finish, (ASTM F436) Square Beveled Structural Washer	6.27	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.76	
05 05 23 00-1563	EA	5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.06	
05 05 23 00-1564	EA	3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.06	
05 05 23 00-1565	EA	7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.46	
05 05 23 00-1566	EA	1", Galvanized, (ASTM F436) Square Beveled Structural Washer	7.94	
05 05 23 00-1567		Drilling In Existing Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	24.21	
		For Aluminum, Deduct	*-2.42*	
		For Stainless Steel, Add	*3.03*	
		For >5 To 10, Deduct	*-2.42*	
		For >10 To 25, Deduct	*-6.05*	
		For >25 To 50, Deduct	*-8.47*	
		For >50, Deduct	*-12.11*	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	28.47	
		For Aluminum, Deduct	*-2.85*	
		For Stainless Steel, Add	*3.56*	
		For >5 To 10, Deduct	*-2.85*	
		For >10 To 25, Deduct	*-7.12*	
		For >25 To 50, Deduct	*-9.96*	
		For >50, Deduct	*-14.24*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	34.17	
		For Aluminum, Deduct	*-3.42*	
		For Stainless Steel, Add	*4.27*	
		For >5 To 10, Deduct	*-3.42*	
		For >10 To 25, Deduct	*-8.54*	
		For >25 To 50, Deduct	*-11.96*	
		For >50, Deduct	*-17.09*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	39.86	
		For Aluminum, Deduct	*-3.99*	
		For Stainless Steel, Add	*4.98*	
		For >5 To 10, Deduct	*-3.99*	
		For >10 To 25, Deduct	*-9.97*	
		For >25 To 50, Deduct	*-13.95*	
		For >50, Deduct	*-19.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	53.39	
		For Aluminum, Deduct	*-5.34*	
		For Stainless Steel, Add	*6.67*	
		For >5 To 10, Deduct	*-5.34*	
		For >10 To 25, Deduct	*-13.35*	
		For >25 To 50, Deduct	*-18.69*	
		For >50, Deduct	*-26.70*	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	28.47	
		For Aluminum, Deduct	*-2.85*	
		For Stainless Steel, Add	*3.56*	
		For >5 To 10, Deduct	*-2.85*	
		For >10 To 25, Deduct	*-7.12*	
		For >25 To 50, Deduct	*-9.96*	
		For >50, Deduct	*-14.24*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	35.59	
		For Aluminum, Deduct	*-3.56*	
		For Stainless Steel, Add	*4.45*	
		For >5 To 10, Deduct	*-3.56*	
		For >10 To 25, Deduct	*-8.90*	
		For >25 To 50, Deduct	*-12.46*	
		For >50, Deduct	*-17.80*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	42.71	
		For Aluminum, Deduct	*-4.27*	
		For Stainless Steel, Add	*5.34*	
		For >5 To 10, Deduct	*-4.27*	
		For >10 To 25, Deduct	*-10.68*	
		For >25 To 50, Deduct	*-14.95*	
		For >50, Deduct	*-21.36*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	53.39	
		For Aluminum, Deduct	*-5.34*	
		For Stainless Steel, Add	*6.67*	
		For >5 To 10, Deduct	*-5.34*	
		For >10 To 25, Deduct	*-13.35*	
		For >25 To 50, Deduct	*-18.69*	
		For >50, Deduct	*-26.70*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	35.59	
		For Aluminum, Deduct	*-3.56*	
		For Stainless Steel, Add	*4.45*	
		For >5 To 10, Deduct	*-3.56*	
		For >10 To 25, Deduct	*-8.90*	
		For >25 To 50, Deduct	*-12.46*	
		For >50, Deduct	*-17.80*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	46.98	
		For Aluminum, Deduct	*-4.70*	
		For Stainless Steel, Add	*5.87*	
		For >5 To 10, Deduct	*-4.70*	
		For >10 To 25, Deduct	*-11.75*	
		For >25 To 50, Deduct	*-16.44*	
		For >50, Deduct	*-23.49*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	56.95	
		For Aluminum, Deduct	*-5.70*	
		For Stainless Steel, Add	*7.12*	
		For >5 To 10, Deduct	*-5.70*	
		For >10 To 25, Deduct	*-14.24*	
		For >25 To 50, Deduct	*-19.93*	
		For >50, Deduct	*-28.48*	

05 05 23 00-1580 Cutting Existing Steel With Torch *(05 05 23)*

05 05 23 00-1581	LF	Torch Cutting, Milled Steel Up To 1/4" Thick	7.50

05 05 23 00-1582 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1583	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.68
05 05 23 00-1584	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.78
05 05 23 00-1585	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.82
05 05 23 00-1586	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.86
05 05 23 00-1587	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.61
05 05 23 00-1588	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.86
05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.10
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.23
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.36
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.87
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.29
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.62
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.65
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.68
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.07
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.43
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.87
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.57
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.01
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	9.23
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	11.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.04	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.63	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.10	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.57	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.96	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.32	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.79	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	12.76	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	15.48	

05 05 23 00-1613 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	10.30	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	10.72	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	10.83	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.88	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	11.35	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	12.21	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	20.57	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	13.21	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	14.74	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.29	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	19.76	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	21.43	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.42	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	12.38	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	13.05	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.71	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	15.63	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	20.32	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	22.34	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	24.34	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	29.95	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	16.74	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	18.79	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	21.82	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	27.89	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	31.06	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	34.22	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns	11,457.22	1,439.30
		For ASTM A242 Type 2 High Strength Steel, Add	*678.37*	
		For Hot Dip Galvanizing, Add	*2,374.29*	
		For >10 To 25 Tons, Deduct	*-720.77*	
		For >25 To 50 Tons, Deduct	*-1,483.93*	
		For >50 To 75 Tons, Deduct	*-2,119.90*	
		For >75 Tons, Deduct	*-1,059.95*	
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns	7,951.83	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*556.74*	
		For Hot Dip Galvanizing, Add	*1,948.60*	
		For >10 To 25 Tons, Deduct	*-591.54*	
		For >25 To 50 Tons, Deduct	*-1,217.88*	
		For >50 To 75 Tons, Deduct	*-1,739.82*	
		For >75 Tons, Deduct	*-869.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns	6,736.64	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*494.27*	
		For Hot Dip Galvanizing, Add	*1,729.94*	
		For >10 To 25 Tons, Deduct	*-525.16*	
		For >25 To 50 Tons, Deduct	*-1,081.21*	
		For >50 To 75 Tons, Deduct	*-1,544.59*	
		For >75 Tons, Deduct	*-772.29*	
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns	4,521.38	278.60
		For ASTM A242 Type 2 High Strength Steel, Add	*337.89*	
		For Hot Dip Galvanizing, Add	*1,182.61*	
		For >10 To 25 Tons, Deduct	*-359.01*	
		For >25 To 50 Tons, Deduct	*-739.13*	
		For >50 To 75 Tons, Deduct	*-1,055.91*	
		For >75 Tons, Deduct	*-527.95*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	8,437.21	978.85
		For ASTM A242 Type 2 High Strength Steel, Add	*591.49*	
		For Hot Dip Galvanizing, Add	*2,070.22*	
		For >10 To 25 Tons, Deduct	*-628.46*	
		For >25 To 50 Tons, Deduct	*-1,293.89*	
		For >50 To 75 Tons, Deduct	*-1,848.42*	
		For >75 Tons, Deduct	*-924.21*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles	16,705.19	2,675.66
		For ASTM A242 Type 2 High Strength Steel, Add	*979.66*	
		For Hot Dip Galvanizing, Add	*3,428.81*	
		For >10 To 25 Tons, Deduct	*-1,040.89*	
		For >25 To 50 Tons, Deduct	*-2,143.00*	
		For >50 To 75 Tons, Deduct	*-3,061.44*	
		For >75 Tons, Deduct	*-1,530.72*	
05 12 23 00-0012	TON	>10 To 20 Lb./LF Rolled Shape Steel Angles	14,691.93	1,570.22
		For ASTM A242 Type 2 High Strength Steel, Add	*937.15*	
		For Hot Dip Galvanizing, Add	*3,280.01*	
		For >10 To 25 Tons, Deduct	*-995.72*	
		For >25 To 50 Tons, Deduct	*-2,050.01*	
		For >50 To 75 Tons, Deduct	*-2,928.58*	
		For >75 Tons, Deduct	*-1,464.29*	
05 12 23 00-0013	TON	>20 To 58 Lb./LF Rolled Shape Steel Angles	11,297.29	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*824.39*	
		For Hot Dip Galvanizing, Add	*2,885.37*	
		For >10 To 25 Tons, Deduct	*-875.92*	
		For >25 To 50 Tons, Deduct	*-1,803.36*	
		For >50 To 75 Tons, Deduct	*-2,576.23*	
		For >75 Tons, Deduct	*-1,288.11*	

05 12 23 00-0014 Rolled C, MC Steel Channels *(05 12 23 00-0009)*

05 12 23 00-0015	TON	Up To 10 Lb./LF Rolled C, MC Steel Channels	18,196.10	3,663.87
		For ASTM A242 Type 2 High Strength Steel, Add	*964.87*	
		For Hot Dip Galvanizing, Add	*3,377.05*	
		For >10 To 25 Tons, Deduct	*-1,025.18*	
		For >25 To 50 Tons, Deduct	*-2,110.66*	
		For >50 To 75 Tons, Deduct	*-3,015.23*	
		For >75 Tons, Deduct	*-1,507.61*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	14,530.20	2,791.51
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0017	TON	>20 To 58 Lb./LF Rolled C, MC Steel Channels	11,112.45	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*809.61*	
		For Hot Dip Galvanizing, Add	*2,833.62*	
		For >10 To 25 Tons, Deduct	*-860.21*	
		For >25 To 50 Tons, Deduct	*-1,771.01*	
		For >50 To 75 Tons, Deduct	*-2,530.02*	
		For >75 Tons, Deduct	*-1,265.01*	

05 12 23 00-0018 Double L Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0019	TON	Up To 20 Lb./LF Double L Shape Steel Angles	15,499.85	2,122.94
		For ASTM A242 Type 2 High Strength Steel, Add	*942.69*	
		For Hot Dip Galvanizing, Add	*3,299.42*	
		For >10 To 25 Tons, Deduct	*-1,001.61*	
		For >25 To 50 Tons, Deduct	*-2,062.14*	
		For >50 To 75 Tons, Deduct	*-2,945.91*	
		For >75 Tons, Deduct	*-1,472.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0020	TON	>20 To 50 Lb./LF Double L Shape Steel Angles	12,082.86	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0021	TON	>50 To 80 Lb./LF Double L Shape Steel Angles	9,107.22	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*683.91*	
		For Hot Dip Galvanizing, Add	*2,393.70*	
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0022	TON	>80 To 115 Lb./LF Double L Shape Steel Angles	5,842.53	279.01
		For ASTM A242 Type 2 High Strength Steel, Add	*443.62*	
		For Hot Dip Galvanizing, Add	*1,552.67*	
		For >10 To 25 Tons, Deduct	*-471.35*	
		For >25 To 50 Tons, Deduct	*-970.42*	
		For >50 To 75 Tons, Deduct	*-1,386.31*	
		For >75 Tons, Deduct	*-693.16*	
05 12 23 00-0023		Structural WT, MT, ST Tee Shapes *(05 12 23 00-0001)*		
05 12 23 00-0024	TON	Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	14,068.09	1,570.22
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0025	TON	>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	9,472.14	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*678.37*	
		For Hot Dip Galvanizing, Add	*2,374.29*	
		For >10 To 25 Tons, Deduct	*-720.77*	
		For >25 To 50 Tons, Deduct	*-1,483.93*	
		For >50 To 75 Tons, Deduct	*-2,119.90*	
		For >75 Tons, Deduct	*-1,059.95*	
05 12 23 00-0026	TON	>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	7,489.85	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*554.52*	
		For Hot Dip Galvanizing, Add	*1,940.83*	
		For >10 To 25 Tons, Deduct	*-589.18*	
		For >25 To 50 Tons, Deduct	*-1,213.02*	
		For >50 To 75 Tons, Deduct	*-1,732.89*	
		For >75 Tons, Deduct	*-866.44*	
05 12 23 00-0027	TON	>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	5,519.53	278.60
		For ASTM A242 Type 2 High Strength Steel, Add	*417.74*	
		For Hot Dip Galvanizing, Add	*1,462.10*	
		For >10 To 25 Tons, Deduct	*-443.85*	
		For >25 To 50 Tons, Deduct	*-913.81*	
		For >50 To 75 Tons, Deduct	*-1,305.44*	
		For >75 Tons, Deduct	*-652.72*	
05 12 23 00-0028		Combination Section Shapes *(05 12 23 00-0001)*		
05 12 23 00-0029		Combination Section, W Shapes And Angles *(05 12 23 00-0028)*		
05 12 23 00-0030	TON	Up To 30 Lb./LF Combination Section - W Shapes And Angles	13,351.83	1,570.22
		For ASTM A242 Type 2 High Strength Steel, Add	*829.94*	
		For Hot Dip Galvanizing, Add	*2,904.78*	
		For >10 To 25 Tons, Deduct	*-881.81*	
		For >25 To 50 Tons, Deduct	*-1,815.49*	
		For >50 To 75 Tons, Deduct	*-2,593.56*	
		For >75 Tons, Deduct	*-1,296.78*	
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles	9,541.47	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*683.91*	
		For Hot Dip Galvanizing, Add	*2,393.70*	
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles	6,912.22	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*508.31*	
		For Hot Dip Galvanizing, Add	*1,779.10*	
		For >10 To 25 Tons, Deduct	*-540.08*	
		For >25 To 50 Tons, Deduct	*-1,111.94*	
		For >50 To 75 Tons, Deduct	*-1,588.48*	
		For >75 Tons, Deduct	*-794.24*	
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,981.17	278.60
		For ASTM A242 Type 2 High Strength Steel, Add	*454.71*	
		For Hot Dip Galvanizing, Add	*1,591.49*	
		For >10 To 25 Tons, Deduct	*-483.13*	
		For >25 To 50 Tons, Deduct	*-994.68*	
		For >50 To 75 Tons, Deduct	*-1,420.97*	
		For >75 Tons, Deduct	*-710.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	5,162.72	139.86
		For ASTM A242 Type 2 High Strength Steel, Add	*401.11*	
		For Hot Dip Galvanizing, Add	*1,403.88*	
		For >10 To 25 Tons, Deduct	*-426.18*	
		For >25 To 50 Tons, Deduct	*-877.42*	
		For >50 To 75 Tons, Deduct	*-1,253.46*	
		For >75 Tons, Deduct	*-626.73*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	9,171.77	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*654.34*	
		For Hot Dip Galvanizing, Add	*2,290.18*	
		For >10 To 25 Tons, Deduct	*-695.23*	
		For >25 To 50 Tons, Deduct	*-1,431.37*	
		For >50 To 75 Tons, Deduct	*-2,044.81*	
		For >75 Tons, Deduct	*-1,022.40*	
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,935.33	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*510.16*	
		For Hot Dip Galvanizing, Add	*1,785.57*	
		For >10 To 25 Tons, Deduct	*-542.05*	
		For >25 To 50 Tons, Deduct	*-1,115.98*	
		For >50 To 75 Tons, Deduct	*-1,594.26*	
		For >75 Tons, Deduct	*-797.13*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	14,068.09	1,570.22
		For ASTM A242 Type 2 High Strength Steel, Add	*887.24*	
		For Hot Dip Galvanizing, Add	*3,105.33*	
		For >10 To 25 Tons, Deduct	*-942.69*	
		For >25 To 50 Tons, Deduct	*-1,940.83*	
		For >50 To 75 Tons, Deduct	*-2,772.62*	
		For >75 Tons, Deduct	*-1,386.31*	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	10,003.56	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*720.88*	
		For Hot Dip Galvanizing, Add	*2,523.09*	
		For >10 To 25 Tons, Deduct	*-765.94*	
		For >25 To 50 Tons, Deduct	*-1,576.93*	
		For >50 To 75 Tons, Deduct	*-2,252.76*	
		For >75 Tons, Deduct	*-1,126.38*	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	7,097.06	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*523.10*	
		For Hot Dip Galvanizing, Add	*1,830.85*	
		For >10 To 25 Tons, Deduct	*-555.79*	
		For >25 To 50 Tons, Deduct	*-1,144.28*	
		For >50 To 75 Tons, Deduct	*-1,634.69*	
		For >75 Tons, Deduct	*-817.35*	

05 12 23 00-0042 Standard Weight Pipe *(05 12 23 00-0001)*

05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	8,102.11	837.46
		For ASTM A242 Type 2 High Strength Steel, Add	*576.71*	
		For Hot Dip Galvanizing, Add	*2,018.47*	
		For >10 To 25 Tons, Deduct	*-612.75*	
		For >25 To 50 Tons, Deduct	*-1,261.54*	
		For >50 To 75 Tons, Deduct	*-1,802.21*	
		For >75 Tons, Deduct	*-901.10*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	8,648.89	1,046.82
		For ASTM A242 Type 2 High Strength Steel, Add	*602.58*	
		For Hot Dip Galvanizing, Add	*2,109.04*	
		For >10 To 25 Tons, Deduct	*-640.24*	
		For >25 To 50 Tons, Deduct	*-1,318.15*	
		For >50 To 75 Tons, Deduct	*-1,883.07*	
		For >75 Tons, Deduct	*-941.54*	

05 12 23 00-0045 Temporary Steel Support For Structures *(05 12 23 00-0001)*

Note: Includes removal after use.

05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	11,457.22
		Note: For all stock sections.	
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures	7,951.83
		Note: For all stock sections.	

05 12 23 00-0048 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0049 Steel Rods *(05 12 23 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	8,738.48	654.33
		For ASTM A242 Type 2 High Strength Steel, Add	*643.25*	
		For Hot Dip Galvanizing, Add	*2,251.37*	
		For >10 To 25 Tons, Deduct	*-683.45*	
		For >25 To 50 Tons, Deduct	*-1,407.11*	
		For >50 To 75 Tons, Deduct	*-2,010.15*	
		For >75 Tons, Deduct	*-1,005.08*	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	10,003.56	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*720.88*	
		For Hot Dip Galvanizing, Add	*2,523.09*	
		For >10 To 25 Tons, Deduct	*-765.94*	
		For >25 To 50 Tons, Deduct	*-1,576.93*	
		For >50 To 75 Tons, Deduct	*-2,252.76*	
		For >75 Tons, Deduct	*-1,126.38*	

05 12 23 00-0052 Column Base Plates *(05 12 23 00-0048)*

05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items	4.36	0.84
		For ASTM A242 Type 2 High Strength Steel, Add	*0.28*	
		For Hot Dip Galvanizing, Add	*0.97*	
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	4.09	0.71
		For ASTM A242 Type 2 High Strength Steel, Add	*0.26*	
		For Hot Dip Galvanizing, Add	*0.92*	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items	7,945.72	748.52
		For ASTM A242 Type 2 High Strength Steel, Add	*571.78*	
		For Hot Dip Galvanizing, Add	*2,001.24*	
		For >10 To 25 Tons, Deduct	*-607.52*	
		For >25 To 50 Tons, Deduct	*-1,250.78*	
		For >50 To 75 Tons, Deduct	*-1,786.83*	
		For >75 Tons, Deduct	*-893.41*	
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	5,648.61	449.11
		For ASTM A242 Type 2 High Strength Steel, Add	*413.56*	
		For Hot Dip Galvanizing, Add	*1,447.47*	
		For >10 To 25 Tons, Deduct	*-439.41*	
		For >25 To 50 Tons, Deduct	*-904.67*	
		For >50 To 75 Tons, Deduct	*-1,292.39*	
		For >75 Tons, Deduct	*-646.19*	

05 12 23 00-0057 Double Extra Strong Pipes *(05 12 23 00-0048)*

05 12 23 00-0058	TON	2" To 5" Diameter Double Extra Strong Pipe	10,471.98	1,196.30
		For ASTM A242 Type 2 High Strength Steel, Add	*735.67*	
		For Hot Dip Galvanizing, Add	*2,574.84*	
		For >10 To 25 Tons, Deduct	*-781.65*	
		For >25 To 50 Tons, Deduct	*-1,609.28*	
		For >50 To 75 Tons, Deduct	*-2,298.97*	
		For >75 Tons, Deduct	*-1,149.48*	
05 12 23 00-0059	TON	>5" To 8" Diameter Double Extra Strong Pipe	9,883.00	644.14
		For ASTM A242 Type 2 High Strength Steel, Add	*735.67*	
		For Hot Dip Galvanizing, Add	*2,574.84*	
		For >10 To 25 Tons, Deduct	*-781.65*	
		For >25 To 50 Tons, Deduct	*-1,609.28*	
		For >50 To 75 Tons, Deduct	*-2,298.97*	
		For >75 Tons, Deduct	*-1,149.48*	

05 12 23 00-0060 Structural Pipes *(05 12 23 00-0048)*

05 12 23 00-0061	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,319.87	552.72
		For ASTM A242 Type 2 High Strength Steel, Add	*517.56*	
		For Hot Dip Galvanizing, Add	*1,811.45*	
		For >10 To 25 Tons, Deduct	*-549.90*	
		For >25 To 50 Tons, Deduct	*-1,132.15*	
		For >50 To 75 Tons, Deduct	*-1,617.36*	
		For >75 Tons, Deduct	*-808.68*	
05 12 23 00-0062	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,875.75	637.45
		For ASTM A242 Type 2 High Strength Steel, Add	*517.56*	
		For Hot Dip Galvanizing, Add	*1,811.45*	
		For >10 To 25 Tons, Deduct	*-549.90*	
		For >25 To 50 Tons, Deduct	*-1,132.15*	
		For >50 To 75 Tons, Deduct	*-1,617.36*	
		For >75 Tons, Deduct	*-808.68*	

05 12 23 00-0063 Structural Tubing *(05 12 23 00-0048)*

05 12 23 00-0064 Rectangle Structural Tubing *(05 12 23 00-0063)*

05 12 23 00-0065	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	12,148.11	558.30
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0066	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle	12,239.73	644.14
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0067	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	10,679.63	697.88
		For ASTM A242 Type 2 High Strength Steel, Add	*794.82*	
		For Hot Dip Galvanizing, Add	*2,781.86*	
		For >10 To 25 Tons, Deduct	*-844.49*	
		For >25 To 50 Tons, Deduct	*-1,738.67*	
		For >50 To 75 Tons, Deduct	*-2,483.81*	
		For >75 Tons, Deduct	*-1,241.90*	
05 12 23 00-0068	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	10,135.36	837.46
		For ASTM A242 Type 2 High Strength Steel, Add	*739.37*	
		For Hot Dip Galvanizing, Add	*2,587.78*	
		For >10 To 25 Tons, Deduct	*-785.58*	
		For >25 To 50 Tons, Deduct	*-1,617.36*	
		For >50 To 75 Tons, Deduct	*-2,310.52*	
		For >75 Tons, Deduct	*-1,155.26*	
05 12 23 00-0069	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	9,964.44	930.41
		For ASTM A242 Type 2 High Strength Steel, Add	*717.75*	
		For Hot Dip Galvanizing, Add	*2,512.13*	
		For >10 To 25 Tons, Deduct	*-762.61*	
		For >25 To 50 Tons, Deduct	*-1,570.08*	
		For >50 To 75 Tons, Deduct	*-2,242.98*	
		For >75 Tons, Deduct	*-1,121.49*	
05 12 23 00-0070	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	10,133.84	1,287.58
		For ASTM A242 Type 2 High Strength Steel, Add	*700.83*	
		For Hot Dip Galvanizing, Add	*2,452.91*	
		For >10 To 25 Tons, Deduct	*-744.63*	
		For >25 To 50 Tons, Deduct	*-1,533.07*	
		For >50 To 75 Tons, Deduct	*-2,190.10*	
		For >75 Tons, Deduct	*-1,095.05*	
05 12 23 00-0071	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	10,549.38	1,702.13
		For ASTM A242 Type 2 High Strength Steel, Add	*698.70*	
		For Hot Dip Galvanizing, Add	*2,445.45*	
		For >10 To 25 Tons, Deduct	*-742.37*	
		For >25 To 50 Tons, Deduct	*-1,528.41*	
		For >50 To 75 Tons, Deduct	*-2,183.44*	
		For >75 Tons, Deduct	*-1,091.72*	
05 12 23 00-0072	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	10,809.49	1,859.29
		For ASTM A242 Type 2 High Strength Steel, Add	*706.09*	
		For Hot Dip Galvanizing, Add	*2,471.33*	
		For >10 To 25 Tons, Deduct	*-750.23*	
		For >25 To 50 Tons, Deduct	*-1,544.58*	
		For >50 To 75 Tons, Deduct	*-2,206.55*	
		For >75 Tons, Deduct	*-1,103.27*	
05 12 23 00-0073	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle	11,059.39	2,093.63
		For ASTM A242 Type 2 High Strength Steel, Add	*706.09*	
		For Hot Dip Galvanizing, Add	*2,471.33*	
		For >10 To 25 Tons, Deduct	*-750.23*	
		For >25 To 50 Tons, Deduct	*-1,544.58*	
		For >50 To 75 Tons, Deduct	*-2,206.55*	
		For >75 Tons, Deduct	*-1,103.27*	
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle	11,711.37	2,791.51
		For ASTM A242 Type 2 High Strength Steel, Add	*698.70*	
		For Hot Dip Galvanizing, Add	*2,445.45*	
		For >10 To 25 Tons, Deduct	*-742.37*	
		For >25 To 50 Tons, Deduct	*-1,528.41*	
		For >50 To 75 Tons, Deduct	*-2,183.44*	
		For >75 Tons, Deduct	*-1,091.72*	
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle	13,194.32	4,398.45
		For ASTM A242 Type 2 High Strength Steel, Add	*680.22*	
		For Hot Dip Galvanizing, Add	*2,380.76*	
		For >10 To 25 Tons, Deduct	*-722.73*	
		For >25 To 50 Tons, Deduct	*-1,487.97*	
		For >50 To 75 Tons, Deduct	*-2,125.68*	
		For >75 Tons, Deduct	*-1,062.84*	
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle	14,969.19	6,422.30
		For ASTM A242 Type 2 High Strength Steel, Add	*649.51*	
		For Hot Dip Galvanizing, Add	*2,273.28*	
		For >10 To 25 Tons, Deduct	*-690.10*	
		For >25 To 50 Tons, Deduct	*-1,420.80*	
		For >50 To 75 Tons, Deduct	*-2,029.71*	
		For >75 Tons, Deduct	*-1,014.86*	
05 12 23 00-0077		Square Structural Tubing *(05 12 23 00-0063)*		
05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square	12,110.89	523.41
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square	12,148.11	558.30
		For ASTM A242 Type 2 High Strength Steel, Add	*924.21*	
		For Hot Dip Galvanizing, Add	*3,234.73*	
		For >10 To 25 Tons, Deduct	*-981.97*	
		For >25 To 50 Tons, Deduct	*-2,021.70*	
		For >50 To 75 Tons, Deduct	*-2,888.15*	
		For >75 Tons, Deduct	*-1,444.07*	
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square	10,910.68	697.88
		For ASTM A242 Type 2 High Strength Steel, Add	*813.30*	
		For Hot Dip Galvanizing, Add	*2,846.56*	
		For >10 To 25 Tons, Deduct	*-864.13*	
		For >25 To 50 Tons, Deduct	*-1,779.10*	
		For >50 To 75 Tons, Deduct	*-2,541.57*	
		For >75 Tons, Deduct	*-1,270.79*	
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square	10,828.52	837.46
		For ASTM A242 Type 2 High Strength Steel, Add	*794.82*	
		For Hot Dip Galvanizing, Add	*2,781.86*	
		For >10 To 25 Tons, Deduct	*-844.49*	
		For >25 To 50 Tons, Deduct	*-1,738.67*	
		For >50 To 75 Tons, Deduct	*-2,483.81*	
		For >75 Tons, Deduct	*-1,241.90*	
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square	8,695.10	1,046.82
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square	8,854.62	1,196.30
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square	9,365.07	1,674.91
		For ASTM A242 Type 2 High Strength Steel, Add	*606.28*	
		For Hot Dip Galvanizing, Add	*2,121.98*	
		For >10 To 25 Tons, Deduct	*-644.17*	
		For >25 To 50 Tons, Deduct	*-1,326.24*	
		For >50 To 75 Tons, Deduct	*-1,894.63*	
		For >75 Tons, Deduct	*-947.31*	
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square	9,950.34	2,093.63
		For ASTM A242 Type 2 High Strength Steel, Add	*617.37*	
		For Hot Dip Galvanizing, Add	*2,160.80*	
		For >10 To 25 Tons, Deduct	*-655.96*	
		For >25 To 50 Tons, Deduct	*-1,350.50*	
		For >50 To 75 Tons, Deduct	*-1,929.28*	
		For >75 Tons, Deduct	*-964.64*	
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square	11,942.42	2,791.51
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square	13,431.23	4,187.27
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square	12,959.41	4,914.60
		For ASTM A242 Type 2 High Strength Steel, Add	*617.37*	
		For Hot Dip Galvanizing, Add	*2,160.80*	
		For >10 To 25 Tons, Deduct	*-655.96*	
		For >25 To 50 Tons, Deduct	*-1,350.50*	
		For >50 To 75 Tons, Deduct	*-1,929.28*	
		For >75 Tons, Deduct	*-964.64*	
05 12 23 00-0089	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square	15,630.31	6,422.30
		For ASTM A242 Type 2 High Strength Steel, Add	*702.40*	
		For Hot Dip Galvanizing, Add	*2,458.39*	
		For >10 To 25 Tons, Deduct	*-746.30*	
		For >25 To 50 Tons, Deduct	*-1,536.49*	
		For >50 To 75 Tons, Deduct	*-2,194.99*	
		For >75 Tons, Deduct	*-1,097.50*	
05 12 23 00-0090	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square	17,897.66	8,374.55
		For ASTM A242 Type 2 High Strength Steel, Add	*717.18*	
		For Hot Dip Galvanizing, Add	*2,510.15*	
		For >10 To 25 Tons, Deduct	*-762.01*	
		For >25 To 50 Tons, Deduct	*-1,568.84*	
		For >50 To 75 Tons, Deduct	*-2,241.20*	
		For >75 Tons, Deduct	*-1,120.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0091		**Galvanized Steel Pipe Tubing** *(05 12 23 00-0063)*		
		Note: ASTM A53 Grade B		
05 12 23 00-0092	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	45.74	6.12
05 12 23 00-0093	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	50.38	7.28
05 12 23 00-0094	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	56.32	9.67
05 12 23 00-0095	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	60.84	10.78
05 12 23 00-0096	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	63.74	11.65
05 12 23 00-0097	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	71.87	14.57
05 12 23 00-0098	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	80.02	17.48
05 12 23 00-0099	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	88.17	20.97
05 12 23 00-0100	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	99.80	25.64
05 12 23 00-0101	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	118.43	32.64
05 12 23 00-0102		**Structural Shapes** *(05 12 23 00-0048)*		
05 12 23 00-0103	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts	9,227.29	2,994.08
		For ASTM A242 Type 2 High Strength Steel, Add	*357.98*	
		For Hot Dip Galvanizing, Add	*1,252.94*	
		For >20 To 50 Lb./LF, Deduct	*-1,160.35*	
		For >50 To 75 Lb./LF, Deduct	*-1,859.34*	
		For >75 To 100 Lb./LF, Deduct	*-2,558.33*	
		For >10 To 25 Tons, Deduct	*-380.36*	
		For >25 To 50 Tons, Deduct	*-783.09*	
		For >50 To 75 Tons, Deduct	*-1,118.70*	
		For >75 Tons, Deduct	*-559.35*	
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel	8,986.42	1,197.63
		Note: Up to 21.5 Lb. per SF		
		For ASTM A242 Type 2 High Strength Steel, Add	*591.51*	
		For Hot Dip Galvanizing, Add	*2,070.27*	
		For >21.5 To 50 Lb./LF, Deduct	*-978.27*	
		For >10 To 25 Tons, Deduct	*-628.47*	
		For >25 To 50 Tons, Deduct	*-1,293.92*	
		For >50 To 75 Tons, Deduct	*-1,848.46*	
		For >75 Tons, Deduct	*-924.23*	
05 12 23 00-0105	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports	5.24	0.27
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports	6.39	0.27
05 12 23 00-0107		**Built-Up Trusses** *(05 12 23 00-0048)*		
05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	9,850.45	418.72
		For >10 To 25 Tons, Deduct	*-799.32*	
		For >25 To 50 Tons, Deduct	*-1,645.67*	
		For >50 To 75 Tons, Deduct	*-2,350.95*	
		For >75 Tons, Deduct	*-1,175.48*	
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up	9,744.36	232.54
		For >10 To 25 Tons, Deduct	*-807.18*	
		For >25 To 50 Tons, Deduct	*-1,661.84*	
		For >50 To 75 Tons, Deduct	*-2,374.06*	
		For >75 Tons, Deduct	*-1,187.03*	
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up	8,680.29	123.10
		For >10 To 25 Tons, Deduct	*-726.66*	
		For >25 To 50 Tons, Deduct	*-1,496.06*	
		For >50 To 75 Tons, Deduct	*-2,137.23*	
		For >75 Tons, Deduct	*-1,068.62*	
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up	8,441.93	116.41
		For >10 To 25 Tons, Deduct	*-707.02*	
		For >25 To 50 Tons, Deduct	*-1,455.63*	
		For >50 To 75 Tons, Deduct	*-2,079.47*	
		For >75 Tons, Deduct	*-1,039.73*	
05 12 23 00-0112		**Masonry Plates, Filler Plates, Sole Plates And Anchor Straps** *(05 12 23 00-0048)*		
		Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	32.62	8.63
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	48.92	12.90
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	65.23	17.20
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	81.53	21.49
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	97.84	25.66
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	114.15	30.08
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	130.45	34.38
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	146.75	38.68
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	163.07	42.98
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	179.37	47.28
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	195.68	51.58
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	211.98	55.88
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	228.30	60.17
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	244.61	64.47
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	260.91	68.77
05 12 23 00-0128		**Accessories For Steel** *(05 12 23)*		
05 12 23 00-0129		**Field Painting For Touch-Up Of Shop Prime Coat** *(05 12 23 00-0128)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.46	
05 12 23 00-0131		**Connection And Stiffener Plates** *(05 12 23 00-0128)*		
		Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	21,345.21	
		For >10 To 25 Tons, Deduct	*-1,814.34*	
		For >25 To 50 Tons, Deduct	*-3,735.41*	
		For >50 To 75 Tons, Deduct	*-5,336.30*	
		For >75 Tons, Deduct	*-2,668.15*	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	18,211.64	
		For >10 To 25 Tons, Deduct	*-1,547.99*	
		For >25 To 50 Tons, Deduct	*-3,187.04*	
		For >50 To 75 Tons, Deduct	*-4,552.91*	
		For >75 Tons, Deduct	*-2,276.46*	
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	14,083.44	
		For >10 To 25 Tons, Deduct	*-1,197.09*	
		For >25 To 50 Tons, Deduct	*-2,464.60*	
		For >50 To 75 Tons, Deduct	*-3,520.86*	
		For >75 Tons, Deduct	*-1,760.43*	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	13,203.22	
		For >10 To 25 Tons, Deduct	*-1,122.27*	
		For >25 To 50 Tons, Deduct	*-2,310.56*	
		For >50 To 75 Tons, Deduct	*-3,300.81*	
		For >75 Tons, Deduct	*-1,650.40*	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	13,203.22	
		For >10 To 25 Tons, Deduct	*-1,122.27*	
		For >25 To 50 Tons, Deduct	*-2,310.56*	
		For >50 To 75 Tons, Deduct	*-3,300.81*	
		For >75 Tons, Deduct	*-1,650.40*	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	13,203.22	
		For >10 To 25 Tons, Deduct	*-1,122.27*	
		For >25 To 50 Tons, Deduct	*-2,310.56*	
		For >50 To 75 Tons, Deduct	*-3,300.81*	
		For >75 Tons, Deduct	*-1,650.40*	
05 12 23 00-0143		**Field Applied Cold Galvanizing** *(05 12 23 00-0128)*		
05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	2.02	
05 12 23 00-0145		**Metal Grinding** *(05 12 23 00-0128)*		
		Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed	1.16	
		Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0147		**Structural Steel For Buildings And Structures** *(05 12 23)*		
		Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
05 12 23 00-0148		**First Tier A992/A36 Structural Steel Columns, W Shapes** *(05 12 23 00-0147)*		
		Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,770.82	83.05
		For Hot Dip Galvanizing, Add	*466.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*159.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*354.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,615.01	77.40
		For Hot Dip Galvanizing, Add	*425.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*145.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*323.00*	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,471.05	72.05
		For Hot Dip Galvanizing, Add	*386.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*132.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*294.21*	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,338.93	67.02
		For Hot Dip Galvanizing, Add	*351.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*120.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*267.79*	
05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,229.71	72.58
		For Hot Dip Galvanizing, Add	*319.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*110.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*245.94*	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	1,049.24	63.37
		For Hot Dip Galvanizing, Add	*272.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*94.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*209.85*	
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	848.55	54.85
		For Hot Dip Galvanizing, Add	*219.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*76.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*169.71*	
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	764.31	51.22
		For Hot Dip Galvanizing, Add	*196.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*68.79*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*152.86*	
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	693.80	48.29
		For Hot Dip Galvanizing, Add	*178.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*62.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*138.76*	
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	609.92	45.78
		For Hot Dip Galvanizing, Add	*155.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*54.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*121.98*	
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	561.30	42.57
		For Hot Dip Galvanizing, Add	*143.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*50.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*112.26*	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	499.31	39.63
		For Hot Dip Galvanizing, Add	*126.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*99.86*	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	451.65	37.69
		For Hot Dip Galvanizing, Add	*114.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*90.33*	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	407.14	36.01
		For Hot Dip Galvanizing, Add	*102.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*81.43*	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	368.18	34.76
		For Hot Dip Galvanizing, Add	*91.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*73.64*	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	355.81	33.64
		For Hot Dip Galvanizing, Add	*88.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.16*	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	304.37	32.10
		For Hot Dip Galvanizing, Add	*74.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.87*	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	285.42	31.27
		For Hot Dip Galvanizing, Add	*69.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.08*	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	255.61	30.01
		For Hot Dip Galvanizing, Add	*62.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.12*	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	233.29	29.17
		For Hot Dip Galvanizing, Add	*56.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.66*	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	216.76	28.47
		For Hot Dip Galvanizing, Add	*51.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.35*	
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	199.71	27.64
		For Hot Dip Galvanizing, Add	*47.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	180.39	26.94
		For Hot Dip Galvanizing, Add	*42.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.24*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.08*	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	168.52	26.52
		For Hot Dip Galvanizing, Add	*38.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.70*	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	153.71	25.82
		For Hot Dip Galvanizing, Add	*35.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.74*	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	140.05	25.12
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.01*	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	131.25	24.71
		For Hot Dip Galvanizing, Add	*29.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.25*	
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	118.48	24.28
		For Hot Dip Galvanizing, Add	*25.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.70*	
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	807.51	36.98
		For Hot Dip Galvanizing, Add	*213.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*72.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*161.50*	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	735.87	36.25
		For Hot Dip Galvanizing, Add	*193.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*66.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*147.17*	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	675.96	35.81
		For Hot Dip Galvanizing, Add	*176.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*60.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*135.19*	
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	613.28	34.92
		For Hot Dip Galvanizing, Add	*159.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*55.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*122.66*	
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	562.46	34.41
		For Hot Dip Galvanizing, Add	*145.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*50.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*112.49*	
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	516.22	33.93
		For Hot Dip Galvanizing, Add	*133.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*103.24*	
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	475.51	38.52
		For Hot Dip Galvanizing, Add	*120.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.10*	
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	429.76	37.41
		For Hot Dip Galvanizing, Add	*108.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*85.95*	
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	387.43	34.76
		For Hot Dip Galvanizing, Add	*97.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.87*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.49*	
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	368.34	33.78
		For Hot Dip Galvanizing, Add	*92.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.15*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*73.67*	
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	278.99	30.99
		For Hot Dip Galvanizing, Add	*68.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*55.80*	
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	257.14	30.01
		For Hot Dip Galvanizing, Add	*62.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.43*	
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	230.10	29.03
		For Hot Dip Galvanizing, Add	*55.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.02*	
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	212.29	28.05
		For Hot Dip Galvanizing, Add	*50.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.46*	
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	186.33	27.21
		For Hot Dip Galvanizing, Add	*43.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	170.58	26.52
		For Hot Dip Galvanizing, Add	*39.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.12*	
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	155.96	25.97
		For Hot Dip Galvanizing, Add	*35.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.19*	
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	150.91	25.68
		For Hot Dip Galvanizing, Add	*34.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.18*	
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	140.05	25.12
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.01*	
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	135.72	24.99
		For Hot Dip Galvanizing, Add	*30.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.14*	
05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	123.34	24.43
		For Hot Dip Galvanizing, Add	*26.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.67*	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	110.58	23.87
		For Hot Dip Galvanizing, Add	*23.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.12*	
05 12 23 00-0199	LF	W10 x 112 A992/A36 Structural Column	268.95	30.57
		For Hot Dip Galvanizing, Add	*65.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.21*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.79*	
05 12 23 00-0200	LF	W10 x 110 A992/A36 Structural Column	243.29	29.31
		For Hot Dip Galvanizing, Add	*58.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.66*	
05 12 23 00-0201	LF	W10 x 88 A992/A36 Structural Column	218.72	28.34
		For Hot Dip Galvanizing, Add	*52.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.74*	
05 12 23 00-0202	LF	W10 x 77 A992/A36 Structural Column	194.53	27.21
		For Hot Dip Galvanizing, Add	*45.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.91*	
05 12 23 00-0203	LF	W10 x 68 A992/A36 Structural Column	175.19	26.52
		For Hot Dip Galvanizing, Add	*40.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.04*	
05 12 23 00-0204	LF	W10 x 60 A992/A36 Structural Column	153.71	25.82
		For Hot Dip Galvanizing, Add	*35.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.74*	
05 12 23 00-0205	LF	W10 x 54 A992/A36 Structural Column	152.67	25.40
		For Hot Dip Galvanizing, Add	*34.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.53*	
05 12 23 00-0206	LF	W10 x 49 A992/A36 Structural Column	134.05	24.99
		For Hot Dip Galvanizing, Add	*29.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.06*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.81*	
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	129.39	24.56
		For Hot Dip Galvanizing, Add	*28.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.88*	
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	112.63	24.15
		For Hot Dip Galvanizing, Add	*24.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.53*	
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	98.21	23.45
		For Hot Dip Galvanizing, Add	*20.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.64*	
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	168.71	26.52
		For Hot Dip Galvanizing, Add	*38.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.74*	
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	151.48	25.68
		For Hot Dip Galvanizing, Add	*34.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.30*	
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	135.58	24.99
		For Hot Dip Galvanizing, Add	*30.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	116.39	24.28
		For Hot Dip Galvanizing, Add	*25.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.28*	
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	105.15	23.73
		For Hot Dip Galvanizing, Add	*22.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.46*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.03*	
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	96.11	23.45
		For Hot Dip Galvanizing, Add	*19.74*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.22*	
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	90.49	23.17
		For Hot Dip Galvanizing, Add	*18.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.10*	
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	83.73	22.89
		For Hot Dip Galvanizing, Add	*16.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.75*	
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	79.25	22.75
		For Hot Dip Galvanizing, Add	*15.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.13*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.85*	
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	70.77	22.33
		For Hot Dip Galvanizing, Add	*13.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.15*	
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	87.92	22.89
		For Hot Dip Galvanizing, Add	*17.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.58*	
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	74.35	22.47
		For Hot Dip Galvanizing, Add	*13.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.87*	
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	63.73	21.78
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.75*	
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	59.73	21.78
		For Hot Dip Galvanizing, Add	*10.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.95*	
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	54.63	21.63
		For Hot Dip Galvanizing, Add	*8.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.93*	
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	73.20	22.47
		For Hot Dip Galvanizing, Add	*13.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.59*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.64*	
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	67.39	22.33
		For Hot Dip Galvanizing, Add	*12.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.48*	
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	63.11	22.06
		For Hot Dip Galvanizing, Add	*11.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.62*	

05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	638.36	90.95
		For Hot Dip Galvanizing, Add	*150.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*57.45*	
		For High Strength Low Alloy A588 Steel, Add	*127.67*	
		For Each Additional Top Copes >2, Add	*5.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-208.87*	
		For Skewed Or Sloped Connections, Add	*76.60*	
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	616.92	104.68
		For Hot Dip Galvanizing, Add	*140.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*55.52*	
		For High Strength Low Alloy A588 Steel, Add	*123.38*	
		For Each Additional Top Copes >2, Add	*5.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-199.17*	
		For Skewed Or Sloped Connections, Add	*74.03*	
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	584.11	103.43
		For Hot Dip Galvanizing, Add	*131.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*52.57*	
		For High Strength Low Alloy A588 Steel, Add	*116.82*	
		For Each Additional Top Copes >2, Add	*4.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-187.90*	
		For Skewed Or Sloped Connections, Add	*70.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	543.50	87.66
		For Hot Dip Galvanizing, Add	*124.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*48.92*	
		For High Strength Low Alloy A588 Steel, Add	*108.70*	
		For Each Additional Top Copes >2, Add	*4.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-176.20*	
		For Skewed Or Sloped Connections, Add	*65.22*	
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	526.07	88.90
		For Hot Dip Galvanizing, Add	*119.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.35*	
		For High Strength Low Alloy A588 Steel, Add	*105.21*	
		For Each Additional Top Copes >2, Add	*4.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-169.90*	
		For Skewed Or Sloped Connections, Add	*63.13*	
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	500.52	100.08
		For Hot Dip Galvanizing, Add	*109.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.05*	
		For High Strength Low Alloy A588 Steel, Add	*100.10*	
		For Each Additional Top Copes >2, Add	*3.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-159.17*	
		For Skewed Or Sloped Connections, Add	*60.06*	
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	470.99	85.02
		For Hot Dip Galvanizing, Add	*105.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.39*	
		For High Strength Low Alloy A588 Steel, Add	*94.20*	
		For Each Additional Top Copes >2, Add	*3.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-151.24*	
		For Skewed Or Sloped Connections, Add	*56.52*	
05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	446.80	84.40
		For Hot Dip Galvanizing, Add	*99.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.21*	
		For High Strength Low Alloy A588 Steel, Add	*89.36*	
		For Each Additional Top Copes >2, Add	*3.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-142.88*	
		For Skewed Or Sloped Connections, Add	*53.62*	
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	422.25	83.43
		For Hot Dip Galvanizing, Add	*92.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.00*	
		For High Strength Low Alloy A588 Steel, Add	*84.45*	
		For Each Additional Top Copes >2, Add	*3.33*	
		For Structural Tees, WT, MT Or ST, Deduct	*-134.44*	
		For Skewed Or Sloped Connections, Add	*50.67*	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	416.94	96.87
		For Hot Dip Galvanizing, Add	*87.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.52*	
		For High Strength Low Alloy A588 Steel, Add	*83.39*	
		For Each Additional Top Copes >2, Add	*3.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-130.44*	
		For Skewed Or Sloped Connections, Add	*50.03*	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	399.80	96.17
		For Hot Dip Galvanizing, Add	*82.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.98*	
		For High Strength Low Alloy A588 Steel, Add	*79.96*	
		For Each Additional Top Copes >2, Add	*2.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.54*	
		For Skewed Or Sloped Connections, Add	*47.98*	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	375.85	95.33
		For Hot Dip Galvanizing, Add	*76.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.83*	
		For High Strength Low Alloy A588 Steel, Add	*75.17*	
		For Each Additional Top Copes >2, Add	*2.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.31*	
		For Skewed Or Sloped Connections, Add	*45.10*	
05 12 23 00-0241	LF	W33 x 241 A992/A36 Structural Beam Or Girder	550.35	90.41
		For Hot Dip Galvanizing, Add	*125.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*49.53*	
		For High Strength Low Alloy A588 Steel, Add	*110.07*	
		For Each Additional Top Copes >2, Add	*4.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-178.16*	
		For Skewed Or Sloped Connections, Add	*66.04*	
05 12 23 00-0242	LF	W33 x 221 A992/A36 Structural Beam Or Girder	510.31	88.19
		For Hot Dip Galvanizing, Add	*115.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.93*	
		For High Strength Low Alloy A588 Steel, Add	*102.06*	
		For Each Additional Top Copes >2, Add	*4.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-164.50*	
		For Skewed Or Sloped Connections, Add	*61.24*	
05 12 23 00-0243	LF	W33 x 201 A992/A36 Structural Beam Or Girder	484.66	99.38
		For Hot Dip Galvanizing, Add	*105.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*43.62*	
		For High Strength Low Alloy A588 Steel, Add	*96.93*	
		For Each Additional Top Copes >2, Add	*3.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-153.72*	
		For Skewed Or Sloped Connections, Add	*58.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0244	LF	W33 x 170 A992/A36 Structural Beam Or Girder	435.35	97.56
		For Hot Dip Galvanizing, Add	*91.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.18*	
		For High Strength Low Alloy A588 Steel, Add	*87.07*	
		For Each Additional Top Copes >2, Add	*3.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-136.77*	
		For Skewed Or Sloped Connections, Add	*52.24*	
05 12 23 00-0245	LF	W33 x 152 A992/A36 Structural Beam Or Girder	395.02	83.17
		For Hot Dip Galvanizing, Add	*85.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.55*	
		For High Strength Low Alloy A588 Steel, Add	*79.00*	
		For Each Additional Top Copes >2, Add	*3.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.95*	
		For Skewed Or Sloped Connections, Add	*47.40*	
05 12 23 00-0246	LF	W33 x 141 A992/A36 Structural Beam Or Girder	386.17	95.61
		For Hot Dip Galvanizing, Add	*78.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.76*	
		For High Strength Low Alloy A588 Steel, Add	*77.23*	
		For Each Additional Top Copes >2, Add	*2.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-119.86*	
		For Skewed Or Sloped Connections, Add	*46.34*	
05 12 23 00-0247	LF	W33 x 130 A992/A36 Structural Beam Or Girder	366.78	94.91
		For Hot Dip Galvanizing, Add	*73.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.01*	
		For High Strength Low Alloy A588 Steel, Add	*73.36*	
		For Each Additional Top Copes >2, Add	*2.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-113.19*	
		For Skewed Or Sloped Connections, Add	*44.01*	
05 12 23 00-0248	LF	W33 x 118 A992/A36 Structural Beam Or Girder	344.23	94.07
		For Hot Dip Galvanizing, Add	*67.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.98*	
		For High Strength Low Alloy A588 Steel, Add	*68.85*	
		For Each Additional Top Copes >2, Add	*2.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.43*	
		For Skewed Or Sloped Connections, Add	*41.31*	
05 12 23 00-0249	LF	W30 x 211 A992/A36 Structural Beam Or Girder	489.29	88.03
		For Hot Dip Galvanizing, Add	*109.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*44.04*	
		For High Strength Low Alloy A588 Steel, Add	*97.86*	
		For Each Additional Top Copes >2, Add	*3.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-157.17*	
		For Skewed Or Sloped Connections, Add	*58.71*	
05 12 23 00-0250	LF	W30 x 191 A992/A36 Structural Beam Or Girder	463.30	98.68
		For Hot Dip Galvanizing, Add	*99.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*41.70*	
		For High Strength Low Alloy A588 Steel, Add	*92.66*	
		For Each Additional Top Copes >2, Add	*3.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-146.35*	
		For Skewed Or Sloped Connections, Add	*55.60*	
05 12 23 00-0251	LF	W30 x 173 A992/A36 Structural Beam Or Girder	423.73	84.01
		For Hot Dip Galvanizing, Add	*92.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.14*	
		For High Strength Low Alloy A588 Steel, Add	*84.75*	
		For Each Additional Top Copes >2, Add	*3.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-134.86*	
		For Skewed Or Sloped Connections, Add	*50.85*	
05 12 23 00-0252	LF	W30 x 154 A992/A36 Structural Beam Or Girder	400.15	96.31
		For Hot Dip Galvanizing, Add	*82.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.01*	
		For High Strength Low Alloy A588 Steel, Add	*80.03*	
		For Each Additional Top Copes >2, Add	*2.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.64*	
		For Skewed Or Sloped Connections, Add	*48.02*	
05 12 23 00-0253	LF	W30 x 132 A992/A36 Structural Beam Or Girder	356.07	81.05
		For Hot Dip Galvanizing, Add	*74.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.05*	
		For High Strength Low Alloy A588 Steel, Add	*71.21*	
		For Each Additional Top Copes >2, Add	*2.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-111.66*	
		For Skewed Or Sloped Connections, Add	*42.73*	
05 12 23 00-0254	LF	W30 x 124 A992/A36 Structural Beam Or Girder	339.68	81.00
		For Hot Dip Galvanizing, Add	*70.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.57*	
		For High Strength Low Alloy A588 Steel, Add	*67.94*	
		For Each Additional Top Copes >2, Add	*2.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-105.93*	
		For Skewed Or Sloped Connections, Add	*40.76*	
05 12 23 00-0255	LF	W30 x 116 A992/A36 Structural Beam Or Girder	337.14	93.94
		For Hot Dip Galvanizing, Add	*65.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.34*	
		For High Strength Low Alloy A588 Steel, Add	*67.43*	
		For Each Additional Top Copes >2, Add	*2.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.97*	
		For Skewed Or Sloped Connections, Add	*40.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0256	LF	W30 x 108 A992/A36 Structural Beam Or Girder	311.91	84.58
		For Hot Dip Galvanizing, Add	*61.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.07*	
		For High Strength Low Alloy A588 Steel, Add	*62.38*	
		For Each Additional Top Copes >2, Add	*2.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.64*	
		For Skewed Or Sloped Connections, Add	*37.43*	
05 12 23 00-0257	LF	W30 x 99 A992/A36 Structural Beam Or Girder	298.08	84.16
		For Hot Dip Galvanizing, Add	*57.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.83*	
		For High Strength Low Alloy A588 Steel, Add	*59.62*	
		For Each Additional Top Copes >2, Add	*2.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-90.89*	
		For Skewed Or Sloped Connections, Add	*35.77*	
05 12 23 00-0258	LF	W27 x 178 A992/A36 Structural Beam Or Girder	470.93	98.36
		For Hot Dip Galvanizing, Add	*101.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.38*	
		For High Strength Low Alloy A588 Steel, Add	*94.19*	
		For Each Additional Top Copes >2, Add	*3.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-149.09*	
		For Skewed Or Sloped Connections, Add	*56.51*	
05 12 23 00-0259	LF	W27 x 161 A992/A36 Structural Beam Or Girder	432.01	94.65
		For Hot Dip Galvanizing, Add	*91.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.88*	
		For High Strength Low Alloy A588 Steel, Add	*86.40*	
		For Each Additional Top Copes >2, Add	*3.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-136.06*	
		For Skewed Or Sloped Connections, Add	*51.84*	
05 12 23 00-0260	LF	W27 x 146 A992/A36 Structural Beam Or Girder	397.60	91.30
		For Hot Dip Galvanizing, Add	*83.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*35.78*	
		For High Strength Low Alloy A588 Steel, Add	*79.52*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-124.55*	
		For Skewed Or Sloped Connections, Add	*47.71*	
05 12 23 00-0261	LF	W27 x 114 A992/A36 Structural Beam Or Girder	315.31	75.85
		For Hot Dip Galvanizing, Add	*65.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.38*	
		For High Strength Low Alloy A588 Steel, Add	*63.06*	
		For Each Additional Top Copes >2, Add	*2.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.22*	
		For Skewed Or Sloped Connections, Add	*37.84*	
05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	299.47	84.16
		For Hot Dip Galvanizing, Add	*58.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.95*	
		For High Strength Low Alloy A588 Steel, Add	*59.89*	
		For Each Additional Top Copes >2, Add	*2.10*	
		For Structural Tees, WT, MT Or ST, Deduct	*-91.35*	
		For Skewed Or Sloped Connections, Add	*35.94*	
05 12 23 00-0263	LF	W27 x 94 A992/A36 Structural Beam Or Girder	286.48	83.60
		For Hot Dip Galvanizing, Add	*54.75*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.78*	
		For High Strength Low Alloy A588 Steel, Add	*57.30*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-86.89*	
		For Skewed Or Sloped Connections, Add	*34.38*	
05 12 23 00-0264	LF	W27 x 84 A992/A36 Structural Beam Or Girder	270.61	83.05
		For Hot Dip Galvanizing, Add	*50.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.35*	
		For High Strength Low Alloy A588 Steel, Add	*54.12*	
		For Each Additional Top Copes >2, Add	*1.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.44*	
		For Skewed Or Sloped Connections, Add	*32.47*	
05 12 23 00-0265	LF	W24 x 162 A992/A36 Structural Beam Or Girder	416.11	90.75
		For Hot Dip Galvanizing, Add	*88.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.45*	
		For High Strength Low Alloy A588 Steel, Add	*83.22*	
		For Each Additional Top Copes >2, Add	*3.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-131.12*	
		For Skewed Or Sloped Connections, Add	*49.93*	
05 12 23 00-0266	LF	W24 x 146 A992/A36 Structural Beam Or Girder	380.58	86.99
		For Hot Dip Galvanizing, Add	*79.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.25*	
		For High Strength Low Alloy A588 Steel, Add	*76.12*	
		For Each Additional Top Copes >2, Add	*2.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-119.28*	
		For Skewed Or Sloped Connections, Add	*45.67*	
05 12 23 00-0267	LF	W24 x 131 A992/A36 Structural Beam Or Girder	346.78	83.05
		For Hot Dip Galvanizing, Add	*71.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.21*	
		For High Strength Low Alloy A588 Steel, Add	*69.36*	
		For Each Additional Top Copes >2, Add	*2.58*	
		For Structural Tees, WT, MT Or ST, Deduct	*-108.09*	
		For Skewed Or Sloped Connections, Add	*41.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0268	LF	W24 x 117 A992/A36 Structural Beam Or Girder	314.77	78.90
		For Hot Dip Galvanizing, Add	*64.00*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.33*	
		For High Strength Low Alloy A588 Steel, Add	*62.95*	
		For Each Additional Top Copes >2, Add	*2.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.55*	
		For Skewed Or Sloped Connections, Add	*37.77*	
05 12 23 00-0269	LF	W24 x 104 A992/A36 Structural Beam Or Girder	284.57	74.61
		For Hot Dip Galvanizing, Add	*56.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.61*	
		For High Strength Low Alloy A588 Steel, Add	*56.91*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-87.66*	
		For Skewed Or Sloped Connections, Add	*34.15*	
05 12 23 00-0270	LF	W24 x 94 A992/A36 Structural Beam Or Girder	274.46	83.60
		For Hot Dip Galvanizing, Add	*51.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.70*	
		For High Strength Low Alloy A588 Steel, Add	*54.89*	
		For Each Additional Top Copes >2, Add	*1.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.68*	
		For Skewed Or Sloped Connections, Add	*32.94*	
05 12 23 00-0271	LF	W24 x 84 A992/A36 Structural Beam Or Girder	250.31	74.11
		For Hot Dip Galvanizing, Add	*47.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.53*	
		For High Strength Low Alloy A588 Steel, Add	*50.06*	
		For Each Additional Top Copes >2, Add	*1.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.74*	
		For Skewed Or Sloped Connections, Add	*30.04*	
05 12 23 00-0272	LF	W24 x 76 A992/A36 Structural Beam Or Girder	238.15	73.55
		For Hot Dip Galvanizing, Add	*44.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.43*	
		For High Strength Low Alloy A588 Steel, Add	*47.63*	
		For Each Additional Top Copes >2, Add	*1.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.57*	
		For Skewed Or Sloped Connections, Add	*28.58*	
05 12 23 00-0273	LF	W24 x 68 A992/A36 Structural Beam Or Girder	222.83	73.14
		For Hot Dip Galvanizing, Add	*40.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.05*	
		For High Strength Low Alloy A588 Steel, Add	*44.57*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.29*	
		For Skewed Or Sloped Connections, Add	*26.74*	
05 12 23 00-0274	LF	W24 x 62 A992/A36 Structural Beam Or Girder	214.83	72.72
		For Hot Dip Galvanizing, Add	*38.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.33*	
		For High Strength Low Alloy A588 Steel, Add	*42.97*	
		For Each Additional Top Copes >2, Add	*1.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.55*	
		For Skewed Or Sloped Connections, Add	*25.78*	
05 12 23 00-0275	LF	W24 x 55 A992/A36 Structural Beam Or Girder	203.87	72.44
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.35*	
		For High Strength Low Alloy A588 Steel, Add	*40.77*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.78*	
		For Skewed Or Sloped Connections, Add	*24.46*	
05 12 23 00-0276	LF	W21 x 147 A992/A36 Structural Beam Or Girder	364.14	74.62
		For Hot Dip Galvanizing, Add	*78.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.77*	
		For High Strength Low Alloy A588 Steel, Add	*72.83*	
		For Each Additional Top Copes >2, Add	*2.85*	
		For Structural Tees, WT, MT Or ST, Deduct	*-115.51*	
		For Skewed Or Sloped Connections, Add	*43.70*	
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	331.55	71.30
		For Hot Dip Galvanizing, Add	*70.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.84*	
		For High Strength Low Alloy A588 Steel, Add	*66.31*	
		For Each Additional Top Copes >2, Add	*2.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-104.64*	
		For Skewed Or Sloped Connections, Add	*39.79*	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	310.92	70.10
		For Hot Dip Galvanizing, Add	*65.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.98*	
		For High Strength Low Alloy A588 Steel, Add	*62.18*	
		For Each Additional Top Copes >2, Add	*2.36*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.61*	
		For Skewed Or Sloped Connections, Add	*37.31*	
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	287.23	67.85
		For Hot Dip Galvanizing, Add	*59.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.85*	
		For High Strength Low Alloy A588 Steel, Add	*57.45*	
		For Each Additional Top Copes >2, Add	*2.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.67*	
		For Skewed Or Sloped Connections, Add	*34.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	265.55	65.68
		For Hot Dip Galvanizing, Add	*54.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.90*	
		For High Strength Low Alloy A588 Steel, Add	*53.11*	
		For Each Additional Top Copes >2, Add	*1.96*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.44*	
		For Skewed Or Sloped Connections, Add	*31.87*	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	259.98	74.96
		For Hot Dip Galvanizing, Add	*49.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.40*	
		For High Strength Low Alloy A588 Steel, Add	*52.00*	
		For Each Additional Top Copes >2, Add	*1.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-79.00*	
		For Skewed Or Sloped Connections, Add	*31.20*	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	245.67	74.11
		For Hot Dip Galvanizing, Add	*46.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.11*	
		For High Strength Low Alloy A588 Steel, Add	*49.13*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.11*	
		For Skewed Or Sloped Connections, Add	*29.48*	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	228.10	73.55
		For Hot Dip Galvanizing, Add	*41.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.53*	
		For High Strength Low Alloy A588 Steel, Add	*45.62*	
		For Each Additional Top Copes >2, Add	*1.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.07*	
		For Skewed Or Sloped Connections, Add	*27.37*	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	219.25	73.14
		For Hot Dip Galvanizing, Add	*39.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.73*	
		For High Strength Low Alloy A588 Steel, Add	*43.85*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.03*	
		For Skewed Or Sloped Connections, Add	*26.31*	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	211.25	72.72
		For Hot Dip Galvanizing, Add	*37.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.01*	
		For High Strength Low Alloy A588 Steel, Add	*42.25*	
		For Each Additional Top Copes >2, Add	*1.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.30*	
		For Skewed Or Sloped Connections, Add	*25.35*	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	204.01	72.58
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.36*	
		For High Strength Low Alloy A588 Steel, Add	*40.80*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.80*	
		For Skewed Or Sloped Connections, Add	*24.48*	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	180.88	62.95
		For Hot Dip Galvanizing, Add	*31.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.28*	
		For High Strength Low Alloy A588 Steel, Add	*36.18*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.22*	
		For Skewed Or Sloped Connections, Add	*21.71*	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	172.46	62.67
		For Hot Dip Galvanizing, Add	*29.30*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.52*	
		For High Strength Low Alloy A588 Steel, Add	*34.49*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.33*	
		For Skewed Or Sloped Connections, Add	*20.70*	
05 12 23 00-0289	LF	W18 x 119 A992/A36 Structural Beam Or Girder	302.34	69.86
		For Hot Dip Galvanizing, Add	*63.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.21*	
		For High Strength Low Alloy A588 Steel, Add	*60.47*	
		For Each Additional Top Copes >2, Add	*2.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-94.64*	
		For Skewed Or Sloped Connections, Add	*36.28*	
05 12 23 00-0290	LF	W18 x 106 A992/A36 Structural Beam Or Girder	273.54	66.20
		For Hot Dip Galvanizing, Add	*56.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.62*	
		For High Strength Low Alloy A588 Steel, Add	*54.71*	
		For Each Additional Top Copes >2, Add	*2.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-85.15*	
		For Skewed Or Sloped Connections, Add	*32.82*	
05 12 23 00-0291	LF	W18 x 97 A992/A36 Structural Beam Or Girder	265.82	74.96
		For Hot Dip Galvanizing, Add	*51.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.92*	
		For High Strength Low Alloy A588 Steel, Add	*53.16*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.02*	
		For Skewed Or Sloped Connections, Add	*31.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0292	LF	W18 x 86 A992/A36 Structural Beam Or Girder	249.39	74.26
		For Hot Dip Galvanizing, Add	*47.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.45*	
		For High Strength Low Alloy A588 Steel, Add	*49.88*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.39*	
		For Skewed Or Sloped Connections, Add	*29.93*	
05 12 23 00-0293	LF	W18 x 76 A992/A36 Structural Beam Or Girder	234.56	73.55
		For Hot Dip Galvanizing, Add	*43.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.11*	
		For High Strength Low Alloy A588 Steel, Add	*46.91*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.31*	
		For Skewed Or Sloped Connections, Add	*28.15*	
05 12 23 00-0294	LF	W18 x 71 A992/A36 Structural Beam Or Girder	223.74	73.42
		For Hot Dip Galvanizing, Add	*40.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.14*	
		For High Strength Low Alloy A588 Steel, Add	*44.75*	
		For Each Additional Top Copes >2, Add	*1.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.56*	
		For Skewed Or Sloped Connections, Add	*26.85*	
05 12 23 00-0295	LF	W18 x 65 A992/A36 Structural Beam Or Girder	213.22	73.14
		For Hot Dip Galvanizing, Add	*37.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.19*	
		For High Strength Low Alloy A588 Steel, Add	*42.64*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.94*	
		For Skewed Or Sloped Connections, Add	*25.59*	
05 12 23 00-0296	LF	W18 x 60 A992/A36 Structural Beam Or Girder	203.72	72.58
		For Hot Dip Galvanizing, Add	*35.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.33*	
		For High Strength Low Alloy A588 Steel, Add	*40.74*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.68*	
		For Skewed Or Sloped Connections, Add	*24.45*	
05 12 23 00-0297	LF	W18 x 55 A992/A36 Structural Beam Or Girder	194.18	72.44
		For Hot Dip Galvanizing, Add	*32.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.48*	
		For High Strength Low Alloy A588 Steel, Add	*38.84*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.38*	
		For Skewed Or Sloped Connections, Add	*23.30*	
05 12 23 00-0298	LF	W18 x 50 A992/A36 Structural Beam Or Girder	174.98	62.95
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.75*	
		For High Strength Low Alloy A588 Steel, Add	*35.00*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.15*	
		For Skewed Or Sloped Connections, Add	*21.00*	
05 12 23 00-0299	LF	W18 x 46 A992/A36 Structural Beam Or Girder	167.54	62.80
		For Hot Dip Galvanizing, Add	*27.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.08*	
		For High Strength Low Alloy A588 Steel, Add	*33.51*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.59*	
		For Skewed Or Sloped Connections, Add	*20.10*	
05 12 23 00-0300	LF	W18 x 40 A992/A36 Structural Beam Or Girder	146.59	53.59
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.19*	
		For High Strength Low Alloy A588 Steel, Add	*29.32*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.72*	
		For Skewed Or Sloped Connections, Add	*17.59*	
05 12 23 00-0301	LF	W18 x 35 A992/A36 Structural Beam Or Girder	137.26	53.46
		For Hot Dip Galvanizing, Add	*22.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.35*	
		For High Strength Low Alloy A588 Steel, Add	*27.45*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.50*	
		For Skewed Or Sloped Connections, Add	*16.47*	
05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	251.54	48.71
		For Hot Dip Galvanizing, Add	*55.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.64*	
		For High Strength Low Alloy A588 Steel, Add	*50.31*	
		For Each Additional Top Copes >2, Add	*2.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-80.25*	
		For Skewed Or Sloped Connections, Add	*30.18*	
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	230.47	47.88
		For Hot Dip Galvanizing, Add	*49.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.74*	
		For High Strength Low Alloy A588 Steel, Add	*46.09*	
		For Each Additional Top Copes >2, Add	*1.79*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.00*	
		For Skewed Or Sloped Connections, Add	*27.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	207.84	47.32
		For Hot Dip Galvanizing, Add	*43.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.71*	
		For High Strength Low Alloy A588 Steel, Add	*41.57*	
		For Each Additional Top Copes >2, Add	*1.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.19*	
		For Skewed Or Sloped Connections, Add	*24.94*	
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	188.60	46.62
		For Hot Dip Galvanizing, Add	*38.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.97*	
		For High Strength Low Alloy A588 Steel, Add	*37.72*	
		For Each Additional Top Copes >2, Add	*1.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.56*	
		For Skewed Or Sloped Connections, Add	*22.63*	
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	169.56	45.92
		For Hot Dip Galvanizing, Add	*33.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.26*	
		For High Strength Low Alloy A588 Steel, Add	*33.91*	
		For Each Additional Top Copes >2, Add	*1.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.00*	
		For Skewed Or Sloped Connections, Add	*20.35*	
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	156.28	45.50
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.07*	
		For High Strength Low Alloy A588 Steel, Add	*31.26*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.41*	
		For Skewed Or Sloped Connections, Add	*18.75*	
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	146.94	45.23
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.22*	
		For High Strength Low Alloy A588 Steel, Add	*29.39*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.19*	
		For Skewed Or Sloped Connections, Add	*17.63*	
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	137.25	44.80
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.35*	
		For High Strength Low Alloy A588 Steel, Add	*27.45*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.86*	
		For Skewed Or Sloped Connections, Add	*16.47*	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	129.66	44.52
		For Hot Dip Galvanizing, Add	*22.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.67*	
		For High Strength Low Alloy A588 Steel, Add	*25.93*	
		For Each Additional Top Copes >2, Add	*0.82*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.26*	
		For Skewed Or Sloped Connections, Add	*15.56*	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	110.75	35.46
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.97*	
		For High Strength Low Alloy A588 Steel, Add	*22.15*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.09*	
		For Skewed Or Sloped Connections, Add	*13.29*	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	98.56	35.03
		For Hot Dip Galvanizing, Add	*16.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.87*	
		For High Strength Low Alloy A588 Steel, Add	*19.71*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.88*	
		For Skewed Or Sloped Connections, Add	*11.83*	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	240.29	39.92
		For Hot Dip Galvanizing, Add	*54.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.63*	
		For High Strength Low Alloy A588 Steel, Add	*48.06*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-77.72*	
		For Skewed Or Sloped Connections, Add	*28.83*	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	223.15	39.22
		For Hot Dip Galvanizing, Add	*50.31*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.08*	
		For High Strength Low Alloy A588 Steel, Add	*44.63*	
		For Each Additional Top Copes >2, Add	*1.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.82*	
		For Skewed Or Sloped Connections, Add	*26.78*	
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	207.84	38.80
		For Hot Dip Galvanizing, Add	*46.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.71*	
		For High Strength Low Alloy A588 Steel, Add	*41.57*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.55*	
		For Skewed Or Sloped Connections, Add	*24.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	192.54	38.24
		For Hot Dip Galvanizing, Add	*42.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.33*	
		For High Strength Low Alloy A588 Steel, Add	*38.51*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.27*	
		For Skewed Or Sloped Connections, Add	*23.10*	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	181.15	37.83
		For Hot Dip Galvanizing, Add	*39.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.30*	
		For High Strength Low Alloy A588 Steel, Add	*36.23*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.35*	
		For Skewed Or Sloped Connections, Add	*21.74*	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	167.87	37.41
		For Hot Dip Galvanizing, Add	*35.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.11*	
		For High Strength Low Alloy A588 Steel, Add	*33.57*	
		For Each Additional Top Copes >2, Add	*1.28*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.77*	
		For Skewed Or Sloped Connections, Add	*20.14*	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	152.76	36.85
		For Hot Dip Galvanizing, Add	*31.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.75*	
		For High Strength Low Alloy A588 Steel, Add	*30.55*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.56*	
		For Skewed Or Sloped Connections, Add	*18.33*	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	143.07	36.43
		For Hot Dip Galvanizing, Add	*28.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.88*	
		For High Strength Low Alloy A588 Steel, Add	*28.61*	
		For Each Additional Top Copes >2, Add	*1.04*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.23*	
		For Skewed Or Sloped Connections, Add	*17.17*	
05 12 23 00-0321	LF	W14 x 43 A992/A36 Structural Beam Or Girder	133.51	36.29
		For Hot Dip Galvanizing, Add	*26.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.02*	
		For High Strength Low Alloy A588 Steel, Add	*26.70*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.93*	
		For Skewed Or Sloped Connections, Add	*16.02*	
05 12 23 00-0322	LF	W14 x 38 A992/A36 Structural Beam Or Girder	124.03	36.01
		For Hot Dip Galvanizing, Add	*23.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.16*	
		For High Strength Low Alloy A588 Steel, Add	*24.81*	
		For Each Additional Top Copes >2, Add	*0.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.67*	
		For Skewed Or Sloped Connections, Add	*14.88*	
05 12 23 00-0323	LF	W14 x 34 A992/A36 Structural Beam Or Girder	116.37	35.59
		For Hot Dip Galvanizing, Add	*21.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.47*	
		For High Strength Low Alloy A588 Steel, Add	*23.27*	
		For Each Additional Top Copes >2, Add	*0.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.04*	
		For Skewed Or Sloped Connections, Add	*13.96*	
05 12 23 00-0324	LF	W14 x 30 A992/A36 Structural Beam Or Girder	108.72	35.46
		For Hot Dip Galvanizing, Add	*19.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.78*	
		For High Strength Low Alloy A588 Steel, Add	*21.74*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.40*	
		For Skewed Or Sloped Connections, Add	*13.05*	
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	101.07	35.03
		For Hot Dip Galvanizing, Add	*17.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.10*	
		For High Strength Low Alloy A588 Steel, Add	*20.21*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.76*	
		For Skewed Or Sloped Connections, Add	*12.13*	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	93.62	34.89
		For Hot Dip Galvanizing, Add	*15.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.43*	
		For High Strength Low Alloy A588 Steel, Add	*18.72*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.20*	
		For Skewed Or Sloped Connections, Add	*11.23*	
05 12 23 00-0327	LF	W12 x 87 A992/A36 Structural Beam Or Girder	217.53	39.08
		For Hot Dip Galvanizing, Add	*48.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.58*	
		For High Strength Low Alloy A588 Steel, Add	*43.51*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.88*	
		For Skewed Or Sloped Connections, Add	*26.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	202.21	38.52
		For Hot Dip Galvanizing, Add	*44.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.20*	
		For High Strength Low Alloy A588 Steel, Add	*40.44*	
		For Each Additional Top Copes >2, Add	*1.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.60*	
		For Skewed Or Sloped Connections, Add	*24.27*	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	188.79	38.11
		For Hot Dip Galvanizing, Add	*41.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.99*	
		For High Strength Low Alloy A588 Steel, Add	*37.76*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.99*	
		For Skewed Or Sloped Connections, Add	*22.65*	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	175.53	37.69
		For Hot Dip Galvanizing, Add	*37.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.80*	
		For High Strength Low Alloy A588 Steel, Add	*35.11*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.41*	
		For Skewed Or Sloped Connections, Add	*21.06*	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	162.10	37.13
		For Hot Dip Galvanizing, Add	*33.99*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.59*	
		For High Strength Low Alloy A588 Steel, Add	*32.42*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.79*	
		For Skewed Or Sloped Connections, Add	*19.45*	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	152.76	36.85
		For Hot Dip Galvanizing, Add	*31.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.75*	
		For High Strength Low Alloy A588 Steel, Add	*30.55*	
		For Each Additional Top Copes >2, Add	*1.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.56*	
		For Skewed Or Sloped Connections, Add	*18.33*	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	146.79	36.70
		For Hot Dip Galvanizing, Add	*29.89*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.21*	
		For High Strength Low Alloy A588 Steel, Add	*29.36*	
		For Each Additional Top Copes >2, Add	*1.08*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.51*	
		For Skewed Or Sloped Connections, Add	*17.61*	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	137.45	36.43
		For Hot Dip Galvanizing, Add	*27.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.37*	
		For High Strength Low Alloy A588 Steel, Add	*27.49*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.29*	
		For Skewed Or Sloped Connections, Add	*16.49*	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	118.27	27.08
		For Hot Dip Galvanizing, Add	*24.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.64*	
		For High Strength Low Alloy A588 Steel, Add	*23.65*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.06*	
		For Skewed Or Sloped Connections, Add	*14.19*	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	108.93	26.94
		For Hot Dip Galvanizing, Add	*22.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.80*	
		For High Strength Low Alloy A588 Steel, Add	*21.79*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.83*	
		For Skewed Or Sloped Connections, Add	*13.07*	
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	99.23	26.52
		For Hot Dip Galvanizing, Add	*19.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.93*	
		For High Strength Low Alloy A588 Steel, Add	*19.85*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.50*	
		For Skewed Or Sloped Connections, Add	*11.91*	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	91.58	26.24
		For Hot Dip Galvanizing, Add	*17.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.24*	
		For High Strength Low Alloy A588 Steel, Add	*18.32*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-27.87*	
		For Skewed Or Sloped Connections, Add	*10.99*	
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	84.13	25.97
		For Hot Dip Galvanizing, Add	*15.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.57*	
		For High Strength Low Alloy A588 Steel, Add	*16.83*	
		For Each Additional Top Copes >2, Add	*0.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.30*	
		For Skewed Or Sloped Connections, Add	*10.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	78.29	25.82
		For Hot Dip Galvanizing, Add	*14.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.05*	
		For High Strength Low Alloy A588 Steel, Add	*15.66*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.28*	
		For Skewed Or Sloped Connections, Add	*9.39*	
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	72.53	25.40
		For Hot Dip Galvanizing, Add	*12.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.53*	
		For High Strength Low Alloy A588 Steel, Add	*14.51*	
		For Each Additional Top Copes >2, Add	*0.45*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.30*	
		For Skewed Or Sloped Connections, Add	*8.70*	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	68.82	25.40
		For Hot Dip Galvanizing, Add	*11.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.19*	
		For High Strength Low Alloy A588 Steel, Add	*13.76*	
		For Each Additional Top Copes >2, Add	*0.42*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.03*	
		For Skewed Or Sloped Connections, Add	*8.26*	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	172.22	29.17
		For Hot Dip Galvanizing, Add	*39.19*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.50*	
		For High Strength Low Alloy A588 Steel, Add	*34.44*	
		For Each Additional Top Copes >2, Add	*1.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.63*	
		For Skewed Or Sloped Connections, Add	*20.67*	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	157.11	28.62
		For Hot Dip Galvanizing, Add	*35.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.14*	
		For High Strength Low Alloy A588 Steel, Add	*31.42*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.42*	
		For Skewed Or Sloped Connections, Add	*18.85*	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	145.52	28.05
		For Hot Dip Galvanizing, Add	*32.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.10*	
		For High Strength Low Alloy A588 Steel, Add	*29.10*	
		For Each Additional Top Copes >2, Add	*1.16*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.43*	
		For Skewed Or Sloped Connections, Add	*17.46*	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	136.04	27.77
		For Hot Dip Galvanizing, Add	*29.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.24*	
		For High Strength Low Alloy A588 Steel, Add	*27.21*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.18*	
		For Skewed Or Sloped Connections, Add	*16.32*	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	128.38	27.64
		For Hot Dip Galvanizing, Add	*27.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.55*	
		For High Strength Low Alloy A588 Steel, Add	*25.68*	
		For Each Additional Top Copes >2, Add	*0.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.54*	
		For Skewed Or Sloped Connections, Add	*15.41*	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	117.01	27.08
		For Hot Dip Galvanizing, Add	*24.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.53*	
		For High Strength Low Alloy A588 Steel, Add	*23.40*	
		For Each Additional Top Copes >2, Add	*0.88*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.62*	
		For Skewed Or Sloped Connections, Add	*14.04*	
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	105.62	26.66
		For Hot Dip Galvanizing, Add	*21.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.51*	
		For High Strength Low Alloy A588 Steel, Add	*21.12*	
		For Each Additional Top Copes >2, Add	*0.77*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.70*	
		For Skewed Or Sloped Connections, Add	*12.67*	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	99.80	26.52
		For Hot Dip Galvanizing, Add	*19.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.98*	
		For High Strength Low Alloy A588 Steel, Add	*19.96*	
		For Each Additional Top Copes >2, Add	*0.71*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.68*	
		For Skewed Or Sloped Connections, Add	*11.98*	
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	92.34	26.38
		For Hot Dip Galvanizing, Add	*17.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.31*	
		For High Strength Low Alloy A588 Steel, Add	*18.47*	
		For Each Additional Top Copes >2, Add	*0.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.11*	
		For Skewed Or Sloped Connections, Add	*11.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	84.55	25.97
		For Hot Dip Galvanizing, Add	*15.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.61*	
		For High Strength Low Alloy A588 Steel, Add	*16.91*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.45*	
		For Skewed Or Sloped Connections, Add	*10.15*	
05 12 23 00-0353	LF	W10 x 19 A992/A36 Structural Beam Or Girder	78.92	25.82
		For Hot Dip Galvanizing, Add	*14.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.10*	
		For High Strength Low Alloy A588 Steel, Add	*15.78*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.50*	
		For Skewed Or Sloped Connections, Add	*9.47*	
05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	75.00	25.68
		For Hot Dip Galvanizing, Add	*13.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.75*	
		For High Strength Low Alloy A588 Steel, Add	*15.00*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.15*	
		For Skewed Or Sloped Connections, Add	*9.00*	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	71.26	25.40
		For Hot Dip Galvanizing, Add	*12.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.41*	
		For High Strength Low Alloy A588 Steel, Add	*14.25*	
		For Each Additional Top Copes >2, Add	*0.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.86*	
		For Skewed Or Sloped Connections, Add	*8.55*	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	65.65	25.40
		For Hot Dip Galvanizing, Add	*10.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.91*	
		For High Strength Low Alloy A588 Steel, Add	*13.13*	
		For Each Additional Top Copes >2, Add	*0.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.92*	
		For Skewed Or Sloped Connections, Add	*7.88*	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	109.35	26.94
		For Hot Dip Galvanizing, Add	*22.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.84*	
		For High Strength Low Alloy A588 Steel, Add	*21.87*	
		For Each Additional Top Copes >2, Add	*0.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.98*	
		For Skewed Or Sloped Connections, Add	*13.12*	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	101.69	26.52
		For Hot Dip Galvanizing, Add	*20.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.15*	
		For High Strength Low Alloy A588 Steel, Add	*20.34*	
		For Each Additional Top Copes >2, Add	*0.73*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.34*	
		For Skewed Or Sloped Connections, Add	*12.20*	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	94.53	24.99
		For Hot Dip Galvanizing, Add	*18.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.51*	
		For High Strength Low Alloy A588 Steel, Add	*18.91*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.09*	
		For Skewed Or Sloped Connections, Add	*11.34*	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	86.14	23.45
		For Hot Dip Galvanizing, Add	*16.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.75*	
		For High Strength Low Alloy A588 Steel, Add	*17.23*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.40*	
		For Skewed Or Sloped Connections, Add	*10.34*	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	80.14	21.78
		For Hot Dip Galvanizing, Add	*15.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.21*	
		For High Strength Low Alloy A588 Steel, Add	*16.03*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.55*	
		For Skewed Or Sloped Connections, Add	*9.62*	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	70.02	20.24
		For Hot Dip Galvanizing, Add	*13.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.30*	
		For High Strength Low Alloy A588 Steel, Add	*14.00*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.26*	
		For Skewed Or Sloped Connections, Add	*8.40*	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	41.19	14.51
		For Hot Dip Galvanizing, Add	*7.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.71*	
		For High Strength Low Alloy A588 Steel, Add	*8.24*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-12.11*	
		For Skewed Or Sloped Connections, Add	*4.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	38.07	11.86
		For Hot Dip Galvanizing, Add	*7.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.43*	
		For High Strength Low Alloy A588 Steel, Add	*7.61*	
		For Each Additional Top Copes >2, Add	*0.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-11.44*	
		For Skewed Or Sloped Connections, Add	*4.57*	
05 12 23 00-0365		**A992/A36 Structural Steel, M Shapes** *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	72.70	18.40
		For Hot Dip Galvanizing, Add	*14.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.54*	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	52.16	16.28
		For Hot Dip Galvanizing, Add	*9.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.69*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.43*	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel	40.47	13.07
		For Hot Dip Galvanizing, Add	*7.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.64*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.09*	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel	29.23	9.43
		For Hot Dip Galvanizing, Add	*5.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.85*	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel	82.71	22.47
		For Hot Dip Galvanizing, Add	*16.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.54*	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel	19.77	6.38
		For Hot Dip Galvanizing, Add	*3.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.95*	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel	79.65	22.47
		For Hot Dip Galvanizing, Add	*15.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.93*	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel	65.40	22.06
		For Hot Dip Galvanizing, Add	*11.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.08*	
05 12 23 00-0374		**A992/A36 Structural Steel, S Shapes** *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel	437.39	93.23
		For Hot Dip Galvanizing, Add	*93.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*87.48*	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel	387.76	85.97
		For Hot Dip Galvanizing, Add	*82.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*77.55*	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel	370.36	85.36
		For Hot Dip Galvanizing, Add	*77.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*74.07*	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel	337.64	80.87
		For Hot Dip Galvanizing, Add	*69.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*67.53*	
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel	304.14	75.68
		For Hot Dip Galvanizing, Add	*62.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.83*	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel	355.55	81.95
		For Hot Dip Galvanizing, Add	*74.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*71.11*	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel	322.62	77.28
		For Hot Dip Galvanizing, Add	*66.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*64.52*	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel	285.14	70.95
		For Hot Dip Galvanizing, Add	*58.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*57.03*	
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel	254.43	65.71
		For Hot Dip Galvanizing, Add	*51.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*50.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel	269.85	69.70
		For Hot Dip Galvanizing, Add	*54.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.29*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.97*	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel	213.93	57.33
		For Hot Dip Galvanizing, Add	*42.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.79*	
05 12 23 00-0386	LF	S15 x 50 A992/A36 Structural Steel	198.48	55.16
		For Hot Dip Galvanizing, Add	*38.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.70*	
05 12 23 00-0387	LF	S15 x 42.9 A992/A36 Structural Steel	172.96	49.82
		For Hot Dip Galvanizing, Add	*33.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.59*	
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	195.54	52.41
		For Hot Dip Galvanizing, Add	*38.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.11*	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	161.96	45.02
		For Hot Dip Galvanizing, Add	*31.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*32.39*	
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	141.10	40.64
		For Hot Dip Galvanizing, Add	*27.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.22*	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	130.28	38.87
		For Hot Dip Galvanizing, Add	*24.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.06*	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	143.39	42.79
		For Hot Dip Galvanizing, Add	*27.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.68*	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	105.80	32.68
		For Hot Dip Galvanizing, Add	*19.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.16*	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	95.81	29.59
		For Hot Dip Galvanizing, Add	*17.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.16*	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	77.98	24.93
		For Hot Dip Galvanizing, Add	*14.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.60*	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	84.75	27.09
		For Hot Dip Galvanizing, Add	*15.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.95*	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	66.00	21.82
		For Hot Dip Galvanizing, Add	*11.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.94*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.20*	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	73.32	23.57
		For Hot Dip Galvanizing, Add	*13.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.66*	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	62.83	21.78
		For Hot Dip Galvanizing, Add	*10.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.57*	
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	66.92	22.19
		For Hot Dip Galvanizing, Add	*12.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.38*	
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	56.80	21.63
		For Hot Dip Galvanizing, Add	*9.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.36*	
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	55.24	21.63
		For Hot Dip Galvanizing, Add	*8.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.05*	
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	51.63	21.63
		For Hot Dip Galvanizing, Add	*7.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.33*	
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	51.28	21.63
		For Hot Dip Galvanizing, Add	*7.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	46.98	21.50
		For Hot Dip Galvanizing, Add	*6.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.40*	

05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	269.50	27.62
		For Hot Dip Galvanizing, Add	*66.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*53.90*	
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	235.82	25.70
		For Hot Dip Galvanizing, Add	*57.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.16*	
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	210.10	24.11
		For Hot Dip Galvanizing, Add	*51.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*42.02*	
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	173.93	22.72
		For Hot Dip Galvanizing, Add	*41.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.79*	
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	231.20	25.20
		For Hot Dip Galvanizing, Add	*56.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*46.24*	
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	205.39	23.57
		For Hot Dip Galvanizing, Add	*50.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.49*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.08*	
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	173.93	22.72
		For Hot Dip Galvanizing, Add	*41.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.79*	
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	147.36	21.78
		For Hot Dip Galvanizing, Add	*34.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.47*	
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	193.74	24.85
		For Hot Dip Galvanizing, Add	*46.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.44*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*38.75*	
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	171.17	23.44
		For Hot Dip Galvanizing, Add	*40.57*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.23*	
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	147.35	21.55
		For Hot Dip Galvanizing, Add	*34.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.26*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.47*	
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	135.10	20.49
		For Hot Dip Galvanizing, Add	*31.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*27.02*	
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	142.33	21.03
		For Hot Dip Galvanizing, Add	*33.28*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.47*	
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	117.29	19.71
		For Hot Dip Galvanizing, Add	*26.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.46*	
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel	101.98	18.58
		For Hot Dip Galvanizing, Add	*22.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.18*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.40*	

05 12 23 00-0422 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0423 Angle Iron - L *(05 12 23 00-0422)*

05 12 23 00-0424 1/8" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.08	1.88
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000, Deduct	*-0.56*	
		For 304 Stainless Steel, Add	*1.60*	
		For 316 Stainless Steel, Add	*1.79*	
		For Aluminum, Add	*0.10*	
		For Galvanized Steel, Add	*0.35*	
		For High Strength Steel (HSS), Add	*0.62*	
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.56	2.13
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.64*	
		For 304 Stainless Steel, Add	*2.02*	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.44*	
		For High Strength Steel (HSS), Add	*0.71*	
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.02	2.36
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000, Deduct	*-0.72*	
		For 304 Stainless Steel, Add	*2.51*	
		For 316 Stainless Steel, Add	*2.82*	
		For Aluminum, Add	*0.16*	
		For Galvanized Steel, Add	*0.55*	
		For High Strength Steel (HSS), Add	*0.80*	
05 12 23 00-0428	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.51	2.62
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.60*	
		For >1,000, Deduct	*-0.80*	
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
		For High Strength Steel (HSS), Add	*0.90*	
05 12 23 00-0429	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.97	2.83
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.88*	
		For 304 Stainless Steel, Add	*3.39*	
		For 316 Stainless Steel, Add	*3.81*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.74*	
		For High Strength Steel (HSS), Add	*0.99*	
05 12 23 00-0430	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.94	3.33
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*4.28*	
		For 316 Stainless Steel, Add	*4.80*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.93*	
		For High Strength Steel (HSS), Add	*1.19*	
05 12 23 00-0431	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.94	3.33
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*4.28*	
		For 316 Stainless Steel, Add	*4.80*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.93*	
		For High Strength Steel (HSS), Add	*1.19*	
05 12 23 00-0432	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.57	3.57
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.13*	
		For 304 Stainless Steel, Add	*5.13*	
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.12*	
		For High Strength Steel (HSS), Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0433	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	7.07	3.70
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0434	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	7.07	3.70
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*1.41*	
05 12 23 00-0435	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.55	3.82
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*6.98*	
		For 316 Stainless Steel, Add	*7.84*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.52*	
		For High Strength Steel (HSS), Add	*1.51*	

05 12 23 00-0436 3/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0437	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.71	2.99
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.97*	
		For 304 Stainless Steel, Add	*4.90*	
		For 316 Stainless Steel, Add	*5.50*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	
		For High Strength Steel (HSS), Add	*1.14*	
05 12 23 00-0438	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.88	3.52
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*1.38*	
05 12 23 00-0439	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.88	3.52
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*1.38*	
05 12 23 00-0440	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.70	3.78
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*7.61*	
		For 316 Stainless Steel, Add	*8.54*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.66*	
		For High Strength Steel (HSS), Add	*1.54*	
05 12 23 00-0441	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	8.36	3.91
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*8.98*	
		For 316 Stainless Steel, Add	*10.08*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For High Strength Steel (HSS), Add	*1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0442	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	8.36	3.91
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*8.98*	
		For 316 Stainless Steel, Add	*10.08*	
		For Aluminum, Add	*0.57*	
		For Galvanized Steel, Add	*1.95*	
		For High Strength Steel (HSS), Add	*1.67*	
05 12 23 00-0443	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.02	4.05
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.44*	
		For 304 Stainless Steel, Add	*10.35*	
		For 316 Stainless Steel, Add	*11.62*	
		For Aluminum, Add	*0.65*	
		For Galvanized Steel, Add	*2.25*	
		For High Strength Steel (HSS), Add	*1.80*	
05 12 23 00-0444	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.87	4.33
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.17*	
		For >1,000, Deduct	*-1.57*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.09*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.54*	
		For High Strength Steel (HSS), Add	*1.97*	
05 12 23 00-0445	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.76	4.64
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*13.02*	
		For 316 Stainless Steel, Add	*14.62*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0446	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.75	4.64
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000, Deduct	*-1.69*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*14.59*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
		For High Strength Steel (HSS), Add	*2.15*	
05 12 23 00-0447	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.88	5.12
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.87*	
		For 304 Stainless Steel, Add	*14.36*	
		For 316 Stainless Steel, Add	*16.13*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.12*	
		For High Strength Steel (HSS), Add	*2.38*	
05 12 23 00-0448	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.99	5.61
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.02*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000, Deduct	*-2.05*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.42*	
		For High Strength Steel (HSS), Add	*2.60*	

05 12 23 00-0449 1/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0450	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.81	3.46
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.14*	
		For 304 Stainless Steel, Add	*6.24*	
		For 316 Stainless Steel, Add	*7.01*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.36*	
		For High Strength Steel (HSS), Add	*1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0451	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.78	3.72
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
		For High Strength Steel (HSS), Add	*1.56*	
05 12 23 00-0452	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.78	3.72
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.96*	
		For >1,000, Deduct	*-1.27*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
		For High Strength Steel (HSS), Add	*1.56*	
05 12 23 00-0453	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.75	3.98
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000, Deduct	*-1.41*	
		For 304 Stainless Steel, Add	*9.80*	
		For 316 Stainless Steel, Add	*11.01*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.13*	
		For High Strength Steel (HSS), Add	*1.75*	
05 12 23 00-0454	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.61	4.11
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.51*	
		For 304 Stainless Steel, Add	*11.74*	
		For 316 Stainless Steel, Add	*13.18*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For High Strength Steel (HSS), Add	*1.92*	
05 12 23 00-0455	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.52	3.86
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000, Deduct	*-1.36*	
		For 304 Stainless Steel, Add	*9.89*	
		For 316 Stainless Steel, Add	*11.10*	
		For Aluminum, Add	*0.62*	
		For Galvanized Steel, Add	*2.15*	
		For High Strength Steel (HSS), Add	*1.70*	
05 12 23 00-0456	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.60	4.11
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.75*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.51*	
		For 304 Stainless Steel, Add	*11.71*	
		For 316 Stainless Steel, Add	*13.15*	
		For Aluminum, Add	*0.74*	
		For Galvanized Steel, Add	*2.55*	
		For High Strength Steel (HSS), Add	*1.92*	
05 12 23 00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	10.39	4.25
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.20*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*13.48*	
		For 316 Stainless Steel, Add	*15.14*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.93*	
		For High Strength Steel (HSS), Add	*2.08*	
05 12 23 00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.65	4.70
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000, Deduct	*-1.79*	
		For 304 Stainless Steel, Add	*15.33*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
		For High Strength Steel (HSS), Add	*2.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.96	5.15
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*17.33*	
		For 316 Stainless Steel, Add	*19.46*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.77*	
		For High Strength Steel (HSS), Add	*2.59*	
05 12 23 00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.96	5.15
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-0.99*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-1.98*	
		For 304 Stainless Steel, Add	*17.33*	
		For 316 Stainless Steel, Add	*19.46*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.77*	
		For High Strength Steel (HSS), Add	*2.59*	
05 12 23 00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	14.32	5.72
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.65*	
		For >1,000, Deduct	*-2.20*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*21.41*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.15*	
		For High Strength Steel (HSS), Add	*2.86*	
05 12 23 00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	15.65	6.29
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.40*	
		For 304 Stainless Steel, Add	*20.69*	
		For 316 Stainless Steel, Add	*23.23*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
		For High Strength Steel (HSS), Add	*3.13*	
05 12 23 00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.01	6.76
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*22.80*	
		For 316 Stainless Steel, Add	*25.60*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.96*	
		For High Strength Steel (HSS), Add	*3.40*	
05 12 23 00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	18.03	0.70
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.74*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
		For High Strength Steel (HSS), Add	*3.61*	
05 12 23 00-0465	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	18.03	7.06
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.74*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
		For High Strength Steel (HSS), Add	*3.61*	
05 12 23 00-0466	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.00	7.36
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.88*	
		For 304 Stainless Steel, Add	*26.19*	
		For 316 Stainless Steel, Add	*29.41*	
		For Aluminum, Add	*1.65*	
		For Galvanized Steel, Add	*5.70*	
		For High Strength Steel (HSS), Add	*3.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	20.04	7.67
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*4.01*	
05 12 23 00-0468	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	20.04	7.67
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*4.01*	
05 12 23 00-0469	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	21.16	8.08
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.19*	
		For 304 Stainless Steel, Add	*29.58*	
		For 316 Stainless Steel, Add	*33.22*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.44*	
		For High Strength Steel (HSS), Add	*4.23*	

05 12 23 00-0470 5/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0471	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.98	5.47
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-1.60*	
		For >1,000, Deduct	*-2.13*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*21.41*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.15*	
		For High Strength Steel (HSS), Add	*2.80*	
05 12 23 00-0472	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.15	5.79
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.29*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
		For High Strength Steel (HSS), Add	*3.03*	
05 12 23 00-0473	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	15.15	5.79
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000, Deduct	*-2.29*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
		For High Strength Steel (HSS), Add	*3.03*	
05 12 23 00-0474	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	16.79	6.35
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-1.89*	
		For >1,000, Deduct	*-2.53*	
		For 304 Stainless Steel, Add	*23.71*	
		For 316 Stainless Steel, Add	*26.62*	
		For Aluminum, Add	*1.50*	
		For Galvanized Steel, Add	*5.16*	
		For High Strength Steel (HSS), Add	*3.36*	
05 12 23 00-0475	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.26	6.91
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000, Deduct	*-2.75*	
		For 304 Stainless Steel, Add	*25.82*	
		For 316 Stainless Steel, Add	*28.99*	
		For Aluminum, Add	*1.63*	
		For Galvanized Steel, Add	*5.62*	
		For High Strength Steel (HSS), Add	*3.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.48	7.26
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000, Deduct	*-2.92*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*3.90*	
05 12 23 00-0477	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.82	7.61
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.10*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
		For High Strength Steel (HSS), Add	*4.16*	
05 12 23 00-0478	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	20.82	7.61
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.55*	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000, Deduct	*-3.10*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
		For High Strength Steel (HSS), Add	*4.16*	
05 12 23 00-0479	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	22.14	8.05
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.47*	
		For >1,000, Deduct	*-3.29*	
		For 304 Stainless Steel, Add	*32.52*	
		For 316 Stainless Steel, Add	*36.51*	
		For Aluminum, Add	*2.05*	
		For Galvanized Steel, Add	*7.07*	
		For High Strength Steel (HSS), Add	*4.43*	
05 12 23 00-0480	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	23.40	8.41
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.46*	
		For 304 Stainless Steel, Add	*34.74*	
		For 316 Stainless Steel, Add	*39.01*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.56*	
		For High Strength Steel (HSS), Add	*4.68*	
05 12 23 00-0481	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	23.40	8.41
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.73*	
		For >500 To 1,000, Deduct	*-2.60*	
		For >1,000, Deduct	*-3.46*	
		For 304 Stainless Steel, Add	*34.74*	
		For 316 Stainless Steel, Add	*39.01*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.56*	
		For High Strength Steel (HSS), Add	*4.68*	
05 12 23 00-0482	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	24.58	8.76
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*36.77*	
		For 316 Stainless Steel, Add	*41.28*	
		For Aluminum, Add	*2.32*	
		For Galvanized Steel, Add	*8.00*	
		For High Strength Steel (HSS), Add	*4.92*	
05 12 23 00-0483	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	27.48	9.13
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-1.98*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000, Deduct	*-3.97*	
		For 304 Stainless Steel, Add	*43.63*	
		For 316 Stainless Steel, Add	*48.99*	
		For Aluminum, Add	*2.76*	
		For Galvanized Steel, Add	*9.49*	
		For High Strength Steel (HSS), Add	*5.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	27.22	9.51
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.00*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000, Deduct	*-3.99*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.44*	
05 12 23 00-0485		3/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0486	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	16.83	6.06
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-1.87*	
		For >1,000, Deduct	*-2.49*	
		For 304 Stainless Steel, Add	*24.94*	
		For 316 Stainless Steel, Add	*28.00*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.43*	
		For High Strength Steel (HSS), Add	*3.37*	
05 12 23 00-0487	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	18.57	6.56
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.73*	
		For 304 Stainless Steel, Add	*27.96*	
		For 316 Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	
		For High Strength Steel (HSS), Add	*3.71*	
05 12 23 00-0488	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.10	7.08
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.95*	
		For 304 Stainless Steel, Add	*30.41*	
		For 316 Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
		For High Strength Steel (HSS), Add	*4.02*	
05 12 23 00-0489	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.43	7.27
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.11*	
		For 304 Stainless Steel, Add	*33.46*	
		For 316 Stainless Steel, Add	*37.57*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.28*	
		For High Strength Steel (HSS), Add	*4.29*	
05 12 23 00-0490	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	22.82	7.66
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.65*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.30*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
		For High Strength Steel (HSS), Add	*4.56*	
05 12 23 00-0491	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	22.82	7.66
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.65*	
		For >500 To 1,000, Deduct	*-2.48*	
		For >1,000, Deduct	*-3.30*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
		For High Strength Steel (HSS), Add	*4.56*	
05 12 23 00-0492	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	24.62	8.36
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.79*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-3.58*	
		For 304 Stainless Steel, Add	*38.45*	
		For 316 Stainless Steel, Add	*43.17*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.36*	
		For High Strength Steel (HSS), Add	*4.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	25.99	8.60
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.20*	
05 12 23 00-0494	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	26.45	8.94
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-1.92*	
		For >500 To 1,000, Deduct	*-2.88*	
		For >1,000, Deduct	*-3.84*	
		For 304 Stainless Steel, Add	*41.41*	
		For 316 Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
		For High Strength Steel (HSS), Add	*5.29*	
05 12 23 00-0495	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	28.27	9.63
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.06*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000, Deduct	*-4.11*	
		For 304 Stainless Steel, Add	*43.95*	
		For 316 Stainless Steel, Add	*49.34*	
		For Aluminum, Add	*2.78*	
		For Galvanized Steel, Add	*9.56*	
		For High Strength Steel (HSS), Add	*5.65*	
05 12 23 00-0496	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	33.24	11.23
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.82*	
		For 304 Stainless Steel, Add	*52.10*	
		For 316 Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.33*	
		For High Strength Steel (HSS), Add	*6.65*	
05 12 23 00-0497	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	31.25	10.44
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.52*	
		For 304 Stainless Steel, Add	*49.42*	
		For 316 Stainless Steel, Add	*55.49*	
		For Aluminum, Add	*3.12*	
		For Galvanized Steel, Add	*10.75*	
		For High Strength Steel (HSS), Add	*6.25*	
05 12 23 00-0498	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	33.24	11.23
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.82*	
		For 304 Stainless Steel, Add	*52.10*	
		For 316 Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.33*	
		For High Strength Steel (HSS), Add	*6.65*	
05 12 23 00-0499	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	40.09	13.47
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-2.90*	
		For >500 To 1,000, Deduct	*-4.35*	
		For >1,000, Deduct	*-5.80*	
		For 304 Stainless Steel, Add	*63.10*	
		For 316 Stainless Steel, Add	*70.85*	
		For Aluminum, Add	*3.99*	
		For Galvanized Steel, Add	*13.73*	
		For High Strength Steel (HSS), Add	*8.02*	
05 12 23 00-0500	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	36.68	12.34
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.66*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000, Deduct	*-5.32*	
		For 304 Stainless Steel, Add	*57.60*	
		For 316 Stainless Steel, Add	*64.67*	
		For Aluminum, Add	*3.64*	
		For Galvanized Steel, Add	*12.53*	
		For High Strength Steel (HSS), Add	*7.34*	

05 12 23 00-0501 1/2" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	23.60	7.23
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.66*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000, Deduct	*-3.32*	
		For 304 Stainless Steel, Add	*39.81*	
		For 316 Stainless Steel, Add	*44.70*	
		For Aluminum, Add	*2.51*	
		For Galvanized Steel, Add	*8.66*	
		For High Strength Steel (HSS), Add	*4.72*	
05 12 23 00-0503	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	27.88	8.54
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000, Deduct	*-3.93*	
		For 304 Stainless Steel, Add	*47.03*	
		For 316 Stainless Steel, Add	*52.80*	
		For Aluminum, Add	*2.97*	
		For Galvanized Steel, Add	*10.23*	
		For High Strength Steel (HSS), Add	*5.58*	
05 12 23 00-0504	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	29.88	9.15
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.16*	
		For >1,000, Deduct	*-4.21*	
		For 304 Stainless Steel, Add	*50.39*	
		For 316 Stainless Steel, Add	*56.58*	
		For Aluminum, Add	*3.18*	
		For Galvanized Steel, Add	*10.96*	
		For High Strength Steel (HSS), Add	*5.98*	
05 12 23 00-0505	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	32.15	9.85
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*60.86*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
		For High Strength Steel (HSS), Add	*6.43*	
05 12 23 00-0506	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	32.15	9.85
		For >100 To 250, Deduct	*-1.46*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*60.86*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
		For High Strength Steel (HSS), Add	*6.43*	
05 12 23 00-0507	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	34.15	10.46
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000, Deduct	*-4.81*	
		For 304 Stainless Steel, Add	*57.60*	
		For 316 Stainless Steel, Add	*64.67*	
		For Aluminum, Add	*3.64*	
		For Galvanized Steel, Add	*12.53*	
		For High Strength Steel (HSS), Add	*6.83*	
05 12 23 00-0508	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	40.68	12.45
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.73*	
		For 304 Stainless Steel, Add	*68.60*	
		For 316 Stainless Steel, Add	*77.02*	
		For Aluminum, Add	*4.33*	
		For Galvanized Steel, Add	*14.92*	
		For High Strength Steel (HSS), Add	*8.14*	
05 12 23 00-0509	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	40.68	12.45
		For >100 To 250, Deduct	*-1.85*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.73*	
		For 304 Stainless Steel, Add	*68.60*	
		For 316 Stainless Steel, Add	*77.02*	
		For Aluminum, Add	*4.33*	
		For Galvanized Steel, Add	*14.92*	
		For High Strength Steel (HSS), Add	*8.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	49.21	15.07
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000, Deduct	*-6.93*	
		For 304 Stainless Steel, Add	*82.99*	
		For 316 Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.05*	
		For High Strength Steel (HSS), Add	*9.84*	
05 12 23 00-0511	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	44.93	13.76
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.16*	
		For >500 To 1,000, Deduct	*-4.75*	
		For >1,000, Deduct	*-6.33*	
		For 304 Stainless Steel, Add	*75.78*	
		For 316 Stainless Steel, Add	*85.09*	
		For Aluminum, Add	*4.79*	
		For Galvanized Steel, Add	*16.49*	
		For High Strength Steel (HSS), Add	*8.99*	
05 12 23 00-0512	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	49.21	15.07
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.47*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000, Deduct	*-6.93*	
		For 304 Stainless Steel, Add	*82.99*	
		For 316 Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.05*	
		For High Strength Steel (HSS), Add	*9.84*	
05 12 23 00-0513	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	57.76	17.69
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.07*	
		For >500 To 1,000, Deduct	*-6.10*	
		For >1,000, Deduct	*-8.13*	
		For 304 Stainless Steel, Add	*97.41*	
		For 316 Stainless Steel, Add	*109.38*	
		For Aluminum, Add	*6.15*	
		For Galvanized Steel, Add	*21.19*	
		For High Strength Steel (HSS), Add	*11.55*	
05 12 23 00-0514	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	66.28	20.30
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.33*	
		For 304 Stainless Steel, Add	*111.78*	
		For 316 Stainless Steel, Add	*125.50*	
		For Aluminum, Add	*7.06*	
		For Galvanized Steel, Add	*24.32*	
		For High Strength Steel (HSS), Add	*13.26*	
05 12 23 00-0515		5/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0516	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	38.37	11.29
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.67*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.34*	
		For 316 Stainless Steel, Add	*74.66*	
		For Aluminum, Add	*4.20*	
		For Galvanized Steel, Add	*14.46*	
		For High Strength Steel (HSS), Add	*7.67*	
05 12 23 00-0517	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	41.07	12.07
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.86*	
		For >500 To 1,000, Deduct	*-4.29*	
		For >1,000, Deduct	*-5.72*	
		For 316 Stainless Steel, Add	*79.90*	
		For Aluminum, Add	*4.49*	
		For Galvanized Steel, Add	*15.48*	
		For High Strength Steel (HSS), Add	*8.21*	
05 12 23 00-0518	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	48.87	14.38
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.40*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000, Deduct	*-6.80*	
		For 316 Stainless Steel, Add	*95.07*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.42*	
		For High Strength Steel (HSS), Add	*9.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	48.87	14.38
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.40*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000, Deduct	*-6.80*	
		For 316 Stainless Steel, Add	*95.07*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.42*	
		For High Strength Steel (HSS), Add	*9.77*	
05 12 23 00-0520	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	59.15	17.39
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.12*	
		For >500 To 1,000, Deduct	*-6.18*	
		For >1,000, Deduct	*-8.23*	
		For 316 Stainless Steel, Add	*115.07*	
		For Aluminum, Add	*6.47*	
		For Galvanized Steel, Add	*22.30*	
		For High Strength Steel (HSS), Add	*11.83*	
05 12 23 00-0521	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	54.01	15.88
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.76*	
		For >500 To 1,000, Deduct	*-5.64*	
		For >1,000, Deduct	*-7.52*	
		For 316 Stainless Steel, Add	*105.09*	
		For Aluminum, Add	*5.91*	
		For Galvanized Steel, Add	*20.36*	
		For High Strength Steel (HSS), Add	*10.80*	
05 12 23 00-0522	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	69.65	20.48
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-7.27*	
		For >1,000, Deduct	*-9.70*	
		For 316 Stainless Steel, Add	*135.52*	
		For Aluminum, Add	*7.62*	
		For Galvanized Steel, Add	*26.26*	
		For High Strength Steel (HSS), Add	*13.93*	
05 12 23 00-0523	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	79.93	23.50
		For >100 To 250, Deduct	*-3.56*	
		For >250 To 500, Deduct	*-5.56*	
		For >500 To 1,000, Deduct	*-8.34*	
		For >1,000, Deduct	*-11.13*	
		For 316 Stainless Steel, Add	*155.52*	
		For Aluminum, Add	*8.75*	
		For Galvanized Steel, Add	*30.13*	
		For High Strength Steel (HSS), Add	*15.99*	
05 12 23 00-0524		3/4" Thick *(05 12 23 00-0423)*		
05 12 23 00-0525	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	44.12	12.46
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.04*	
		For >500 To 1,000, Deduct	*-4.56*	
		For >1,000, Deduct	*-6.07*	
		For 316 Stainless Steel, Add	*88.00*	
		For Aluminum, Add	*4.95*	
		For Galvanized Steel, Add	*17.05*	
		For High Strength Steel (HSS), Add	*8.82*	
05 12 23 00-0526	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	47.21	13.34
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.25*	
		For >500 To 1,000, Deduct	*-4.88*	
		For >1,000, Deduct	*-6.50*	
		For 316 Stainless Steel, Add	*94.14*	
		For Aluminum, Add	*5.30*	
		For Galvanized Steel, Add	*18.24*	
		For High Strength Steel (HSS), Add	*9.44*	
05 12 23 00-0527	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	56.27	15.91
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.87*	
		For >500 To 1,000, Deduct	*-5.81*	
		For >1,000, Deduct	*-7.75*	
		For 316 Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	
		For High Strength Steel (HSS), Add	*11.25*	
05 12 23 00-0528	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	56.27	15.91
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-3.87*	
		For >500 To 1,000, Deduct	*-5.81*	
		For >1,000, Deduct	*-7.75*	
		For 316 Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	
		For High Strength Steel (HSS), Add	*11.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	68.43	19.33
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 500, Deduct	*-4.71*	
		For >500 To 1,000, Deduct	*-7.07*	
		For >1,000, Deduct	*-9.42*	
		For 316 Stainless Steel, Add	*136.48*	
		For Aluminum, Add	*7.68*	
		For Galvanized Steel, Add	*26.44*	
		For High Strength Steel (HSS), Add	*13.69*	
05 12 23 00-0530	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	62.47	17.65
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.30*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000, Deduct	*-8.60*	
		For 316 Stainless Steel, Add	*124.58*	
		For Aluminum, Add	*7.01*	
		For Galvanized Steel, Add	*24.14*	
		For High Strength Steel (HSS), Add	*12.49*	
05 12 23 00-0531	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	68.43	19.33
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 500, Deduct	*-4.71*	
		For >500 To 1,000, Deduct	*-7.07*	
		For >1,000, Deduct	*-9.42*	
		For 316 Stainless Steel, Add	*136.48*	
		For Aluminum, Add	*7.68*	
		For Galvanized Steel, Add	*26.44*	
		For High Strength Steel (HSS), Add	*13.69*	
05 12 23 00-0532	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	80.60	22.76
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-8.32*	
		For >1,000, Deduct	*-11.10*	
		For 316 Stainless Steel, Add	*160.77*	
		For Aluminum, Add	*9.04*	
		For Galvanized Steel, Add	*31.15*	
		For High Strength Steel (HSS), Add	*16.12*	
05 12 23 00-0533	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	92.75	26.21
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-6.38*	
		For >500 To 1,000, Deduct	*-9.58*	
		For >1,000, Deduct	*-12.77*	
		For 316 Stainless Steel, Add	*184.99*	
		For Aluminum, Add	*10.41*	
		For Galvanized Steel, Add	*35.84*	
		For High Strength Steel (HSS), Add	*18.55*	

05 12 23 00-0534 7/8" Thick *(05 12 23 00-0423)*

05 12 23 00-0535	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	63.21	17.10
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.30*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000, Deduct	*-8.60*	
		For 316 Stainless Steel, Add	*129.31*	
		For Aluminum, Add	*7.27*	
		For Galvanized Steel, Add	*25.05*	
		For High Strength Steel (HSS), Add	*12.64*	
05 12 23 00-0536	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	63.21	17.10
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.30*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000, Deduct	*-8.60*	
		For 316 Stainless Steel, Add	*129.31*	
		For Aluminum, Add	*7.27*	
		For Galvanized Steel, Add	*25.05*	
		For High Strength Steel (HSS), Add	*12.64*	
05 12 23 00-0537	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	76.94	20.82
		For >100 To 250, Deduct	*-3.31*	
		For >250 To 500, Deduct	*-5.23*	
		For >500 To 1,000, Deduct	*-7.85*	
		For >1,000, Deduct	*-10.47*	
		For 316 Stainless Steel, Add	*157.41*	
		For Aluminum, Add	*8.85*	
		For Galvanized Steel, Add	*30.50*	
		For High Strength Steel (HSS), Add	*15.39*	
05 12 23 00-0538	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	90.89	24.58
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 500, Deduct	*-6.18*	
		For >500 To 1,000, Deduct	*-9.28*	
		For >1,000, Deduct	*-12.37*	
		For 316 Stainless Steel, Add	*185.95*	
		For Aluminum, Add	*10.46*	
		For Galvanized Steel, Add	*36.03*	
		For High Strength Steel (HSS), Add	*18.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	104.58	28.30
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.12*	
		For >500 To 1,000, Deduct	*-10.67*	
		For >1,000, Deduct	*-14.23*	
		For 316 Stainless Steel, Add	*213.95*	
		For Aluminum, Add	*12.03*	
		For Galvanized Steel, Add	*41.45*	
		For High Strength Steel (HSS), Add	*20.92*	

05 12 23 00-0540 Bar Channel *(05 12 23 00-0422)*

05 12 23 00-0541	LF	1" x 1/2" x 1/8" Thick Bar Channel	5.40	
		For 304 Stainless Steel, Add	*4.62*	
		For 316 Stainless Steel, Add	*5.18*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*1.00*	
		For High Strength Steel (HSS), Add	*1.08*	
05 12 23 00-0542	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	6.05	
		For 304 Stainless Steel, Add	*5.53*	
		For 316 Stainless Steel, Add	*6.21*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.20*	
		For High Strength Steel (HSS), Add	*1.21*	
05 12 23 00-0543	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	6.58	
		For 304 Stainless Steel, Add	*6.10*	
		For 316 Stainless Steel, Add	*6.85*	
		For Aluminum, Add	*0.39*	
		For Galvanized Steel, Add	*1.33*	
		For High Strength Steel (HSS), Add	*1.32*	
05 12 23 00-0544	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	7.55	
		For 304 Stainless Steel, Add	*6.36*	
		For 316 Stainless Steel, Add	*7.14*	
		For Aluminum, Add	*0.40*	
		For Galvanized Steel, Add	*1.38*	
		For High Strength Steel (HSS), Add	*1.51*	
05 12 23 00-0545	LF	2" x 1/2" x 1/8" Thick Bar Channel	8.06	
		For 304 Stainless Steel, Add	*7.81*	
		For 316 Stainless Steel, Add	*8.77*	
		For Aluminum, Add	*0.49*	
		For Galvanized Steel, Add	*1.70*	
05 12 23 00-0546	LF	2" x 1" x 1/8" Thick Bar Channel	10.65	
		For 304 Stainless Steel, Add	*8.72*	
		For 316 Stainless Steel, Add	*9.79*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.90*	

05 12 23 00-0547 Channels - C *(05 12 23 00-0422)*

05 12 23 00-0548	LF	C2 x 1.78 - 2" Wide Channel	8.85	4.68
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000, Deduct	*-1.51*	
		For 304 Stainless Steel, Add	*7.41*	
		For 316 Stainless Steel, Add	*8.32*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.61*	
05 12 23 00-0549	LF	C3 x 4.1 - 3" Wide Channel	15.07	6.74
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.41*	
		For 304 Stainless Steel, Add	*17.36*	
		For 316 Stainless Steel, Add	*19.49*	
		For Aluminum, Add	*1.10*	
		For Galvanized Steel, Add	*3.78*	
05 12 23 00-0550	LF	C3 x 5 - 3" Wide Channel	18.38	8.22
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.93*	
		For 304 Stainless Steel, Add	*21.18*	
		For 316 Stainless Steel, Add	*23.78*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.61*	
05 12 23 00-0551	LF	C3 x 6 - 3" Wide Channel	22.06	9.86
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.52*	
		For 304 Stainless Steel, Add	*25.39*	
		For 316 Stainless Steel, Add	*28.51*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF	C4 x 5.4 - 4" Wide Channel	18.80	8.08
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000, Deduct	*-2.96*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
05 12 23 00-0553	LF	C4 x 7.25 - 4" Wide Channel	25.24	10.85
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.97*	
		For 304 Stainless Steel, Add	*30.69*	
		For 316 Stainless Steel, Add	*34.46*	
		For Aluminum, Add	*1.94*	
		For Galvanized Steel, Add	*6.68*	
05 12 23 00-0554	LF	C5 x 6.7 - 5" Wide Channel	22.52	9.42
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.75*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.51*	
		For 304 Stainless Steel, Add	*28.36*	
		For 316 Stainless Steel, Add	*31.84*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.17*	
05 12 23 00-0555	LF	C5 x 9 - 5" Wide Channel	30.25	12.67
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.36*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000, Deduct	*-4.71*	
		For 304 Stainless Steel, Add	*38.10*	
		For 316 Stainless Steel, Add	*42.78*	
		For Aluminum, Add	*2.41*	
		For Galvanized Steel, Add	*8.29*	
05 12 23 00-0556	LF	C6 x 8.2 - 6" Wide Channel	27.27	11.32
		For >100 To 250, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-2.12*	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000, Deduct	*-4.24*	
		For 304 Stainless Steel, Add	*34.71*	
		For 316 Stainless Steel, Add	*38.98*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.55*	
05 12 23 00-0557	LF	C6 x 10.5 - 6" Wide Channel	34.92	14.49
		For >100 To 250, Deduct	*-1.84*	
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-5.42*	
		For 304 Stainless Steel, Add	*44.46*	
		For 316 Stainless Steel, Add	*49.92*	
		For Aluminum, Add	*2.81*	
		For Galvanized Steel, Add	*9.67*	
05 12 23 00-0558	LF	C6 x 13 - 6" Wide Channel	43.25	17.94
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.04*	
		For >1,000, Deduct	*-6.72*	
		For 304 Stainless Steel, Add	*55.06*	
		For 316 Stainless Steel, Add	*61.82*	
		For Aluminum, Add	*3.48*	
		For Galvanized Steel, Add	*11.98*	
05 12 23 00-0559	LF	C7 x 9.8 - 7" Wide Channel	32.52	13.47
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.52*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000, Deduct	*-5.05*	
		For 304 Stainless Steel, Add	*41.50*	
		For 316 Stainless Steel, Add	*46.59*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.03*	
05 12 23 00-0560	LF	C7 x 12.25 - 7" Wide Channel	40.65	16.84
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.16*	
		For >500 To 1,000, Deduct	*-4.73*	
		For >1,000, Deduct	*-6.31*	
		For 304 Stainless Steel, Add	*51.87*	
		For 316 Stainless Steel, Add	*58.24*	
		For Aluminum, Add	*3.28*	
		For Galvanized Steel, Add	*11.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561	LF	C7 x 14.75 - 7" Wide Channel	48.96	20.28
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.80*	
		For >500 To 1,000, Deduct	*-5.70*	
		For >1,000, Deduct	*-7.60*	
		For 304 Stainless Steel, Add	*62.47*	
		For 316 Stainless Steel, Add	*70.14*	
		For Aluminum, Add	*3.95*	
		For Galvanized Steel, Add	*13.59*	
05 12 23 00-0562	LF	C8 x 11.5 - 8" Wide Channel	36.85	14.82
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-2.83*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-5.66*	
		For 304 Stainless Steel, Add	*48.71*	
		For 316 Stainless Steel, Add	*54.69*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.60*	
05 12 23 00-0563	LF	C8 x 13.75 - 8" Wide Channel	44.06	17.73
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.38*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000, Deduct	*-6.77*	
		For 304 Stainless Steel, Add	*58.23*	
		For 316 Stainless Steel, Add	*65.38*	
		For Aluminum, Add	*3.68*	
		For Galvanized Steel, Add	*12.67*	
05 12 23 00-0564	LF	C8 x 18.75 - 8" Wide Channel	60.08	24.17
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-4.62*	
		For >500 To 1,000, Deduct	*-6.92*	
		For >1,000, Deduct	*-9.23*	
		For 304 Stainless Steel, Add	*79.40*	
		For 316 Stainless Steel, Add	*89.15*	
		For Aluminum, Add	*5.01*	
		For Galvanized Steel, Add	*17.27*	
05 12 23 00-0565	LF	C9 x 13.4 - 9" Wide Channel	42.94	17.27
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.30*	
		For >500 To 1,000, Deduct	*-4.95*	
		For >1,000, Deduct	*-6.60*	
		For 304 Stainless Steel, Add	*56.74*	
		For 316 Stainless Steel, Add	*63.71*	
		For Aluminum, Add	*3.58*	
		For Galvanized Steel, Add	*12.34*	
05 12 23 00-0566	LF	C9 x 15 - 9" Wide Channel	48.06	19.33
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.69*	
		For >500 To 1,000, Deduct	*-5.54*	
		For >1,000, Deduct	*-7.38*	
		For 304 Stainless Steel, Add	*63.53*	
		For 316 Stainless Steel, Add	*71.33*	
		For Aluminum, Add	*4.01*	
		For Galvanized Steel, Add	*13.82*	
05 12 23 00-0567	LF	C9 x 20 - 9" Wide Channel	64.09	25.77
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-4.92*	
		For >500 To 1,000, Deduct	*-7.38*	
		For >1,000, Deduct	*-9.85*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0568	LF	C10 x 15.3 - 10" Wide Channel	49.02	19.71
		For >100 To 250, Deduct	*-2.54*	
		For >250 To 500, Deduct	*-3.77*	
		For >500 To 1,000, Deduct	*-5.65*	
		For >1,000, Deduct	*-7.53*	
		For 304 Stainless Steel, Add	*64.78*	
		For 316 Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	
05 12 23 00-0569	LF	C10 x 20 - 10" Wide Channel	64.09	25.77
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-4.92*	
		For >500 To 1,000, Deduct	*-7.38*	
		For >1,000, Deduct	*-9.85*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF	C10 x 25 - 10" Wide Channel	80.10	32.22
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-6.15*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-12.31*	
		For 304 Stainless Steel, Add	*105.85*	
		For 316 Stainless Steel, Add	*118.85*	
		For Aluminum, Add	*6.69*	
		For Galvanized Steel, Add	*23.03*	
05 12 23 00-0571	LF	C10 x 30 - 10" Wide Channel	96.12	38.66
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-7.38*	
		For >500 To 1,000, Deduct	*-11.08*	
		For >1,000, Deduct	*-14.77*	
		For 304 Stainless Steel, Add	*127.02*	
		For 316 Stainless Steel, Add	*142.62*	
		For Aluminum, Add	*8.02*	
		For Galvanized Steel, Add	*27.63*	
05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel	66.33	26.68
		For >100 To 250, Deduct	*-3.44*	
		For >250 To 500, Deduct	*-5.10*	
		For >500 To 1,000, Deduct	*-7.64*	
		For >1,000, Deduct	*-10.19*	
		For 304 Stainless Steel, Add	*87.67*	
		For 316 Stainless Steel, Add	*98.43*	
		For Aluminum, Add	*5.54*	
		For Galvanized Steel, Add	*19.07*	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel	80.10	32.22
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-6.15*	
		For >500 To 1,000, Deduct	*-9.23*	
		For >1,000, Deduct	*-12.31*	
		For 304 Stainless Steel, Add	*105.85*	
		For 316 Stainless Steel, Add	*118.85*	
		For Aluminum, Add	*6.69*	
		For Galvanized Steel, Add	*23.03*	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel	96.12	38.66
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-7.38*	
		For >500 To 1,000, Deduct	*-11.08*	
		For >1,000, Deduct	*-14.77*	
		For 304 Stainless Steel, Add	*127.02*	
		For 316 Stainless Steel, Add	*142.62*	
		For Aluminum, Add	*8.02*	
		For Galvanized Steel, Add	*27.63*	
05 12 23 00-0575	LF	C15 x 33.9 - 15" Wide Channel	108.62	43.69
		For >100 To 250, Deduct	*-5.63*	
		For >250 To 500, Deduct	*-8.34*	
		For >500 To 1,000, Deduct	*-12.52*	
		For >1,000, Deduct	*-16.69*	
		For 304 Stainless Steel, Add	*143.55*	
		For 316 Stainless Steel, Add	*161.18*	
		For Aluminum, Add	*9.07*	
		For Galvanized Steel, Add	*31.23*	
05 12 23 00-0576	LF	C15 x 40 - 15" Wide Channel	128.16	51.55
		For >100 To 250, Deduct	*-6.64*	
		For >250 To 500, Deduct	*-9.84*	
		For >500 To 1,000, Deduct	*-14.77*	
		For >1,000, Deduct	*-19.69*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0577	LF	C15 x 50 - 15" Wide Channel	160.21	64.43
		For >100 To 250, Deduct	*-8.30*	
		For >250 To 500, Deduct	*-12.31*	
		For >500 To 1,000, Deduct	*-18.46*	
		For >1,000, Deduct	*-24.61*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	

05 12 23 00-0578 Miscellaneous Channels - MC *(05 12 23 00-0422)*

05 12 23 00-0579	LF	MC6 x 12 - 6" Wide Channel	39.92	16.56
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.10*	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000, Deduct	*-6.20*	
		For 304 Stainless Steel, Add	*50.82*	
		For 316 Stainless Steel, Add	*57.06*	
		For Aluminum, Add	*3.21*	
		For Galvanized Steel, Add	*11.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580	LF	MC6 x 15.1 - 6" Wide Channel	50.23	20.84
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-3.90*	
		For >500 To 1,000, Deduct	*-5.85*	
		For >1,000, Deduct	*-7.80*	
		For 304 Stainless Steel, Add	*63.95*	
		For 316 Stainless Steel, Add	*71.81*	
		For Aluminum, Add	*4.04*	
		For Galvanized Steel, Add	*13.91*	
05 12 23 00-0581	LF	MC6 x 15.3 - 6" Wide Channel	50.89	21.11
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-3.95*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000, Deduct	*-7.91*	
		For 304 Stainless Steel, Add	*64.78*	
		For 316 Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	
05 12 23 00-0582	LF	MC6 x 16.3 - 6" Wide Channel	54.22	22.49
		For >100 To 250, Deduct	*-2.86*	
		For >250 To 500, Deduct	*-4.21*	
		For >500 To 1,000, Deduct	*-6.32*	
		For >1,000, Deduct	*-8.42*	
		For 304 Stainless Steel, Add	*69.03*	
		For 316 Stainless Steel, Add	*77.50*	
		For Aluminum, Add	*4.36*	
		For Galvanized Steel, Add	*15.02*	
05 12 23 00-0583	LF	MC6 x 18 - 6" Wide Channel	59.86	24.84
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 500, Deduct	*-4.65*	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000, Deduct	*-9.30*	
		For 304 Stainless Steel, Add	*76.21*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
05 12 23 00-0584	LF	MC7 x 17.6 - 7" Wide Channel	58.42	24.20
		For >100 To 250, Deduct	*-3.07*	
		For >250 To 500, Deduct	*-4.53*	
		For >500 To 1,000, Deduct	*-6.80*	
		For >1,000, Deduct	*-9.07*	
		For 304 Stainless Steel, Add	*74.53*	
		For 316 Stainless Steel, Add	*83.68*	
		For Aluminum, Add	*4.71*	
		For Galvanized Steel, Add	*16.21*	
05 12 23 00-0585	LF	MC7 x 19.1 - 7" Wide Channel	63.40	26.27
		For >100 To 250, Deduct	*-3.34*	
		For >250 To 500, Deduct	*-4.92*	
		For >500 To 1,000, Deduct	*-7.38*	
		For >1,000, Deduct	*-9.84*	
		For 304 Stainless Steel, Add	*80.88*	
		For 316 Stainless Steel, Add	*90.82*	
		For Aluminum, Add	*5.11*	
		For Galvanized Steel, Add	*17.60*	
05 12 23 00-0586	LF	MC7 x 22.7 - 7" Wide Channel	75.35	31.21
		For >100 To 250, Deduct	*-3.96*	
		For >250 To 500, Deduct	*-5.85*	
		For >500 To 1,000, Deduct	*-8.77*	
		For >1,000, Deduct	*-11.70*	
		For 304 Stainless Steel, Add	*96.13*	
		For 316 Stainless Steel, Add	*107.94*	
		For Aluminum, Add	*6.07*	
		For Galvanized Steel, Add	*20.91*	
05 12 23 00-0587	LF	MC8 x 8.5 - 8" Wide Channel	27.24	10.95
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000, Deduct	*-4.19*	
		For 304 Stainless Steel, Add	*36.00*	
		For 316 Stainless Steel, Add	*40.42*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.83*	
05 12 23 00-0588	LF	MC8 x 18.7 - 8" Wide Channel	59.92	24.09
		For >100 To 250, Deduct	*-3.11*	
		For >250 To 500, Deduct	*-4.60*	
		For >500 To 1,000, Deduct	*-6.90*	
		For >1,000, Deduct	*-9.21*	
		For 304 Stainless Steel, Add	*79.17*	
		For 316 Stainless Steel, Add	*88.90*	
		For Aluminum, Add	*5.00*	
		For Galvanized Steel, Add	*17.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	MC8 x 20 - 8" Wide Channel	64.09	25.77
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-4.92*	
		For >500 To 1,000, Deduct	*-7.38*	
		For >1,000, Deduct	*-9.85*	
		For 304 Stainless Steel, Add	*84.70*	
		For 316 Stainless Steel, Add	*95.10*	
		For Aluminum, Add	*5.35*	
		For Galvanized Steel, Add	*18.43*	
05 12 23 00-0590	LF	MC8 x 21.4 - 8" Wide Channel	68.58	27.59
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.27*	
		For >500 To 1,000, Deduct	*-7.90*	
		For >1,000, Deduct	*-10.54*	
		For 304 Stainless Steel, Add	*90.63*	
		For 316 Stainless Steel, Add	*101.76*	
		For Aluminum, Add	*5.72*	
		For Galvanized Steel, Add	*19.72*	
05 12 23 00-0591	LF	MC8 x 22.8 - 8" Wide Channel	73.05	29.39
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-5.61*	
		For >500 To 1,000, Deduct	*-8.42*	
		For >1,000, Deduct	*-11.22*	
		For 304 Stainless Steel, Add	*96.56*	
		For 316 Stainless Steel, Add	*108.42*	
		For Aluminum, Add	*6.10*	
		For Galvanized Steel, Add	*21.01*	
05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel	76.58	30.81
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-5.88*	
		For >500 To 1,000, Deduct	*-8.82*	
		For >1,000, Deduct	*-11.77*	
		For 304 Stainless Steel, Add	*101.20*	
		For 316 Stainless Steel, Add	*113.63*	
		For Aluminum, Add	*6.39*	
		For Galvanized Steel, Add	*22.02*	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel	81.38	32.73
		For >100 To 250, Deduct	*-4.22*	
		For >250 To 500, Deduct	*-6.25*	
		For >500 To 1,000, Deduct	*-9.38*	
		For >1,000, Deduct	*-12.50*	
		For 304 Stainless Steel, Add	*107.56*	
		For 316 Stainless Steel, Add	*120.77*	
		For Aluminum, Add	*6.79*	
		For Galvanized Steel, Add	*23.40*	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel	20.84	8.38
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.20*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
05 12 23 00-0595	LF	MC10 x 8.4 - 10" Wide Channel	26.91	10.82
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.10*	
		For >1,000, Deduct	*-4.13*	
		For 304 Stainless Steel, Add	*35.57*	
		For 316 Stainless Steel, Add	*39.94*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.74*	
05 12 23 00-0596	LF	MC10 x 21.9 - 10" Wide Channel	70.17	28.23
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 500, Deduct	*-5.39*	
		For >500 To 1,000, Deduct	*-8.09*	
		For >1,000, Deduct	*-10.78*	
		For 304 Stainless Steel, Add	*92.74*	
		For 316 Stainless Steel, Add	*104.13*	
		For Aluminum, Add	*5.86*	
		For Galvanized Steel, Add	*20.17*	
05 12 23 00-0597	LF	MC10 x 24.9 - 10" Wide Channel	79.79	32.10
		For >100 To 250, Deduct	*-4.13*	
		For >250 To 500, Deduct	*-6.13*	
		For >500 To 1,000, Deduct	*-9.19*	
		For >1,000, Deduct	*-12.26*	
		For 304 Stainless Steel, Add	*105.45*	
		For 316 Stainless Steel, Add	*118.40*	
		For Aluminum, Add	*6.66*	
		For Galvanized Steel, Add	*22.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF	MC10 x 25.3 - 10" Wide Channel	81.06	32.61
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-6.23*	
		For >500 To 1,000, Deduct	*-9.34*	
		For >1,000, Deduct	*-12.45*	
		For 304 Stainless Steel, Add	*107.13*	
		For 316 Stainless Steel, Add	*120.29*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.31*	
05 12 23 00-0599	LF	MC10 x 28.3 - 10" Wide Channel	90.69	36.46
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-6.97*	
		For >500 To 1,000, Deduct	*-10.45*	
		For >1,000, Deduct	*-13.93*	
		For 304 Stainless Steel, Add	*119.84*	
		For 316 Stainless Steel, Add	*134.56*	
		For Aluminum, Add	*7.57*	
		For Galvanized Steel, Add	*26.07*	
05 12 23 00-0600	LF	MC10 x 28.5 - 10" Wide Channel	91.31	36.73
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-7.01*	
		For >500 To 1,000, Deduct	*-10.52*	
		For >1,000, Deduct	*-14.03*	
		For 304 Stainless Steel, Add	*120.67*	
		For 316 Stainless Steel, Add	*135.49*	
		For Aluminum, Add	*7.62*	
		For Galvanized Steel, Add	*26.25*	
05 12 23 00-0601	LF	MC10 x 33.6 - 10" Wide Channel	107.66	43.31
		For >100 To 250, Deduct	*-5.58*	
		For >250 To 500, Deduct	*-8.27*	
		For >500 To 1,000, Deduct	*-12.41*	
		For >1,000, Deduct	*-16.54*	
		For 304 Stainless Steel, Add	*142.27*	
		For 316 Stainless Steel, Add	*159.74*	
		For Aluminum, Add	*8.99*	
		For Galvanized Steel, Add	*30.95*	
05 12 23 00-0602	LF	MC10 x 41.1 - 10" Wide Channel	131.69	52.98
		For >100 To 250, Deduct	*-6.82*	
		For >250 To 500, Deduct	*-10.12*	
		For >500 To 1,000, Deduct	*-15.17*	
		For >1,000, Deduct	*-20.23*	
		For 304 Stainless Steel, Add	*174.05*	
		For 316 Stainless Steel, Add	*195.42*	
		For Aluminum, Add	*10.99*	
		For Galvanized Steel, Add	*37.86*	
05 12 23 00-0603	LF	MC12 x 30.9 - 12" Wide Channel	99.02	39.82
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.61*	
		For >500 To 1,000, Deduct	*-11.41*	
		For >1,000, Deduct	*-15.21*	
		For 304 Stainless Steel, Add	*130.84*	
		For 316 Stainless Steel, Add	*146.91*	
		For Aluminum, Add	*8.26*	
		For Galvanized Steel, Add	*28.46*	
05 12 23 00-0604	LF	MC12 x 32.9 - 12" Wide Channel	105.42	42.39
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 500, Deduct	*-8.10*	
		For >500 To 1,000, Deduct	*-12.15*	
		For >1,000, Deduct	*-16.20*	
		For 304 Stainless Steel, Add	*139.31*	
		For 316 Stainless Steel, Add	*156.42*	
		For Aluminum, Add	*8.80*	
		For Galvanized Steel, Add	*30.31*	
05 12 23 00-0605	LF	MC12 x 35 - 12" Wide Channel	112.14	45.10
		For >100 To 250, Deduct	*-5.81*	
		For >250 To 500, Deduct	*-8.61*	
		For >500 To 1,000, Deduct	*-12.92*	
		For >1,000, Deduct	*-17.23*	
		For 304 Stainless Steel, Add	*148.20*	
		For 316 Stainless Steel, Add	*166.40*	
		For Aluminum, Add	*9.36*	
		For Galvanized Steel, Add	*32.24*	
05 12 23 00-0606	LF	MC12 x 37 - 12" Wide Channel	118.56	47.69
		For >100 To 250, Deduct	*-6.14*	
		For >250 To 500, Deduct	*-9.11*	
		For >500 To 1,000, Deduct	*-13.66*	
		For >1,000, Deduct	*-18.22*	
		For 304 Stainless Steel, Add	*156.66*	
		For 316 Stainless Steel, Add	*175.90*	
		For Aluminum, Add	*9.89*	
		For Galvanized Steel, Add	*34.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF	MC12 x 40 - 12" Wide Channel	128.16	51.55
		For >100 To 250, Deduct	*-6.64*	
		For >250 To 500, Deduct	*-9.84*	
		For >500 To 1,000, Deduct	*-14.77*	
		For >1,000, Deduct	*-19.69*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0608	LF	MC12 x 45 - 12" Wide Channel	144.19	58.00
		For >100 To 250, Deduct	*-7.47*	
		For >250 To 500, Deduct	*-11.08*	
		For >500 To 1,000, Deduct	*-16.61*	
		For >1,000, Deduct	*-22.15*	
		For 304 Stainless Steel, Add	*190.55*	
		For 316 Stainless Steel, Add	*213.95*	
		For Aluminum, Add	*12.03*	
		For Galvanized Steel, Add	*41.45*	
05 12 23 00-0609	LF	MC12 x 50 - 12" Wide Channel	160.21	64.44
		For >100 To 250, Deduct	*-8.30*	
		For >250 To 500, Deduct	*-12.31*	
		For >500 To 1,000, Deduct	*-18.46*	
		For >1,000, Deduct	*-24.61*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	
05 12 23 00-0610	LF	MC13 x 31.8 - 13" Wide Channel	101.90	40.99
		For >100 To 250, Deduct	*-5.28*	
		For >250 To 500, Deduct	*-7.83*	
		For >500 To 1,000, Deduct	*-11.74*	
		For >1,000, Deduct	*-15.66*	
		For 304 Stainless Steel, Add	*134.66*	
		For 316 Stainless Steel, Add	*151.20*	
		For Aluminum, Add	*8.51*	
		For Galvanized Steel, Add	*29.30*	
05 12 23 00-0611	LF	MC13 x 35 - 13" Wide Channel	112.14	45.10
		For >100 To 250, Deduct	*-5.81*	
		For >250 To 500, Deduct	*-8.61*	
		For >500 To 1,000, Deduct	*-12.92*	
		For >1,000, Deduct	*-17.23*	
		For 304 Stainless Steel, Add	*148.20*	
		For 316 Stainless Steel, Add	*166.40*	
		For Aluminum, Add	*9.36*	
		For Galvanized Steel, Add	*32.24*	
05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel	128.16	51.55
		For >100 To 250, Deduct	*-6.64*	
		For >250 To 500, Deduct	*-9.84*	
		For >500 To 1,000, Deduct	*-14.77*	
		For >1,000, Deduct	*-19.69*	
		For 304 Stainless Steel, Add	*169.38*	
		For 316 Stainless Steel, Add	*190.18*	
		For Aluminum, Add	*10.70*	
		For Galvanized Steel, Add	*36.85*	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel	160.21	64.44
		For >100 To 250, Deduct	*-8.30*	
		For >250 To 500, Deduct	*-12.31*	
		For >500 To 1,000, Deduct	*-18.46*	
		For >1,000, Deduct	*-24.61*	
		For 304 Stainless Steel, Add	*211.73*	
		For 316 Stainless Steel, Add	*237.73*	
		For Aluminum, Add	*13.37*	
		For Galvanized Steel, Add	*46.06*	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel	136.82	55.03
		For >100 To 250, Deduct	*-7.09*	
		For >250 To 500, Deduct	*-10.51*	
		For >500 To 1,000, Deduct	*-15.77*	
		For >1,000, Deduct	*-21.02*	
		For 304 Stainless Steel, Add	*180.80*	
		For 316 Stainless Steel, Add	*203.01*	
		For Aluminum, Add	*11.42*	
		For Galvanized Steel, Add	*39.33*	
05 12 23 00-0615	LF	MC18 x 45.8 - 18" Wide Channel	146.75	59.04
		For >100 To 250, Deduct	*-7.60*	
		For >250 To 500, Deduct	*-11.27*	
		For >500 To 1,000, Deduct	*-16.91*	
		For >1,000, Deduct	*-22.55*	
		For 304 Stainless Steel, Add	*193.94*	
		For 316 Stainless Steel, Add	*217.76*	
		For Aluminum, Add	*12.25*	
		For Galvanized Steel, Add	*42.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616	LF	MC18 x 51.9 - 18" Wide Channel	166.30	66.89
		For >100 To 250, Deduct	*-8.62*	
		For >250 To 500, Deduct	*-12.77*	
		For >500 To 1,000, Deduct	*-19.16*	
		For >1,000, Deduct	*-25.55*	
		For 304 Stainless Steel, Add	*219.76*	
		For 316 Stainless Steel, Add	*246.75*	
		For Aluminum, Add	*13.88*	
		For Galvanized Steel, Add	*47.81*	
05 12 23 00-0617	LF	MC18 x 58 - 18" Wide Channel	185.85	74.74
		For >100 To 250, Deduct	*-9.63*	
		For >250 To 500, Deduct	*-14.28*	
		For >500 To 1,000, Deduct	*-21.41*	
		For >1,000, Deduct	*-28.55*	
		For 304 Stainless Steel, Add	*245.61*	
		For 316 Stainless Steel, Add	*275.78*	
		For Aluminum, Add	*15.51*	
		For Galvanized Steel, Add	*53.43*	

05 12 23 00-0618 Structural Bar Tees *(05 12 23 00-0422)*

05 12 23 00-0619	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	5.77	3.43
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.03*	
		For 304 Stainless Steel, Add	*3.42*	
		For 316 Stainless Steel, Add	*3.84*	
		For Aluminum, Add	*0.22*	
		For Galvanized Steel, Add	*0.74*	
05 12 23 00-0620	LF	1" x 1" x 1/8" Structural Bar Tee	7.04	4.04
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.93*	
		For >1,000, Deduct	*-1.24*	
		For 304 Stainless Steel, Add	*4.70*	
		For 316 Stainless Steel, Add	*5.28*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0621	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.93	4.67
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.29*	
		For >1,000, Deduct	*-1.72*	
		For 304 Stainless Steel, Add	*13.42*	
		For 316 Stainless Steel, Add	*15.07*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.92*	
05 12 23 00-0622	LF	2" x 2" x 1/4" Structural Bar Tee	15.16	6.11
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.33*	
		For 304 Stainless Steel, Add	*20.01*	
		For 316 Stainless Steel, Add	*22.46*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
05 12 23 00-0623	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	22.43	7.37
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.42*	
		For >1,000, Deduct	*-3.23*	
		For 304 Stainless Steel, Add	*35.91*	
		For 316 Stainless Steel, Add	*40.32*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
05 12 23 00-0624	LF	3" x 3" x 3/8" Structural Bar Tee	27.69	9.43
		For >100 To 250, Deduct	*-1.32*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.03*	
		For 304 Stainless Steel, Add	*43.09*	
		For 316 Stainless Steel, Add	*48.38*	
		For Aluminum, Add	*2.72*	
		For Galvanized Steel, Add	*9.37*	

05 12 23 00-0625 Structural Zees *(05 12 23 00-0422)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	13.24	4.67
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-1.95*	
		For 304 Stainless Steel, Add	*20.01*	
		For 316 Stainless Steel, Add	*22.46*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.35*	
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	24.23	5.57
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.58*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.17*	
		For 304 Stainless Steel, Add	*47.91*	
		For 316 Stainless Steel, Add	*53.79*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.42*	
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	28.96	6.29
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-3.74*	
		For 304 Stainless Steel, Add	*58.62*	
		For 316 Stainless Steel, Add	*65.82*	
		For Aluminum, Add	*3.70*	
		For Galvanized Steel, Add	*12.75*	
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	38.68	7.19
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.41*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000, Deduct	*-4.83*	
		For 304 Stainless Steel, Add	*82.94*	
		For 316 Stainless Steel, Add	*93.12*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.04*	
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	49.80	7.81
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-6.02*	
		For 304 Stainless Steel, Add	*112.23*	
		For 316 Stainless Steel, Add	*126.02*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.42*	

05 12 23 00-0631 Junior I-Beams *(05 12 23 00-0422)*

05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	18.24	6.74
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.36*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000, Deduct	*-2.72*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	20.05	7.37
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-2.99*	
		For 304 Stainless Steel, Add	*29.13*	
		For 316 Stainless Steel, Add	*32.70*	
		For Aluminum, Add	*1.84*	
		For Galvanized Steel, Add	*6.34*	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	22.90	8.08
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-3.37*	
		For 304 Stainless Steel, Add	*34.57*	
		For 316 Stainless Steel, Add	*38.82*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.52*	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	25.79	8.80
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*40.04*	
		For 316 Stainless Steel, Add	*44.96*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	30.13	9.43
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-4.27*	
		For 304 Stainless Steel, Add	*50.05*	
		For 316 Stainless Steel, Add	*56.19*	
		For Aluminum, Add	*3.16*	
		For Galvanized Steel, Add	*10.89*	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	34.16	10.06
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-4.76*	
		For 304 Stainless Steel, Add	*59.14*	
		For 316 Stainless Steel, Add	*66.40*	
		For Aluminum, Add	*3.74*	
		For Galvanized Steel, Add	*12.87*	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	44.06	11.50
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000, Deduct	*-5.94*	
		For 304 Stainless Steel, Add	*81.88*	
		For 316 Stainless Steel, Add	*91.94*	
		For Aluminum, Add	*5.17*	
		For Galvanized Steel, Add	*17.81*	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	55.87	13.65
		For >100 To 250, Deduct	*-2.31*	
		For >250 To 500, Deduct	*-3.70*	
		For >500 To 1,000, Deduct	*-5.56*	
		For >1,000, Deduct	*-7.41*	
		For 304 Stainless Steel, Add	*107.36*	
		For 316 Stainless Steel, Add	*120.54*	
		For Aluminum, Add	*6.78*	
		For Galvanized Steel, Add	*23.36*	

05 12 23 00-0640 Round Stock *(05 12 23 00-0422)*

05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	2.60	
		For 304 Stainless Steel, Add	*3.99*	
		For 316 Stainless Steel, Add	*4.48*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.87*	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	4.11	
		For 304 Stainless Steel, Add	*7.84*	
		For 316 Stainless Steel, Add	*8.80*	
		For Aluminum, Add	*0.50*	
		For Galvanized Steel, Add	*1.71*	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	5.69	
		For 304 Stainless Steel, Add	*11.94*	
		For 316 Stainless Steel, Add	*13.41*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.60*	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	8.64	
		For 304 Stainless Steel, Add	*19.89*	
		For 316 Stainless Steel, Add	*22.34*	
		For Aluminum, Add	*1.26*	
		For Galvanized Steel, Add	*4.33*	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	10.28	
		For 304 Stainless Steel, Add	*23.63*	
		For 316 Stainless Steel, Add	*26.53*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.14*	
05 12 23 00-0646	LF	7/8" Carbon Steel Rounds, ASTM A108	12.00	
		For 304 Stainless Steel, Add	*27.62*	
		For 316 Stainless Steel, Add	*31.01*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*6.01*	
05 12 23 00-0647	LF	1" Carbon Steel Rounds, ASTM A108	17.48	
		For 304 Stainless Steel, Add	*42.07*	
		For 316 Stainless Steel, Add	*47.23*	
		For Aluminum, Add	*2.66*	
		For Galvanized Steel, Add	*9.15*	
05 12 23 00-0648	LF	1-1/8" Carbon Steel Rounds, ASTM A108	21.25	
		For 304 Stainless Steel, Add	*51.10*	
		For 316 Stainless Steel, Add	*57.38*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.12*	
05 12 23 00-0649	LF	1-1/4" Carbon Steel Rounds, ASTM A108	25.39	
		For 304 Stainless Steel, Add	*60.16*	
		For 316 Stainless Steel, Add	*67.55*	
		For Aluminum, Add	*3.80*	
		For Galvanized Steel, Add	*13.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108	30.75	
		For 304 Stainless Steel, Add	*73.42*	
		For 316 Stainless Steel, Add	*82.43*	
		For Aluminum, Add	*4.64*	
		For Galvanized Steel, Add	*15.97*	
05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108	34.25	
		For 304 Stainless Steel, Add	*80.54*	
		For 316 Stainless Steel, Add	*90.43*	
		For Aluminum, Add	*5.09*	
		For Galvanized Steel, Add	*17.52*	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108	39.51	
		For 304 Stainless Steel, Add	*91.26*	
		For 316 Stainless Steel, Add	*102.46*	
		For Aluminum, Add	*5.76*	
		For Galvanized Steel, Add	*19.85*	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108	47.24	
		For 304 Stainless Steel, Add	*106.19*	
		For 316 Stainless Steel, Add	*119.23*	
		For Aluminum, Add	*6.71*	
		For Galvanized Steel, Add	*23.10*	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108	56.83	
		For 304 Stainless Steel, Add	*124.40*	
		For 316 Stainless Steel, Add	*139.68*	
		For Aluminum, Add	*7.86*	
		For Galvanized Steel, Add	*27.06*	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108	64.88	
		For 304 Stainless Steel, Add	*138.40*	
		For 316 Stainless Steel, Add	*155.39*	
		For Aluminum, Add	*8.74*	
		For Galvanized Steel, Add	*30.11*	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108	75.72	
		For 304 Stainless Steel, Add	*158.03*	
		For 316 Stainless Steel, Add	*177.44*	
		For Aluminum, Add	*9.98*	
		For Galvanized Steel, Add	*34.38*	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108	85.65	
		For 304 Stainless Steel, Add	*177.70*	
		For 316 Stainless Steel, Add	*199.52*	
		For Aluminum, Add	*11.22*	
		For Galvanized Steel, Add	*38.66*	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108	98.11	
		For 304 Stainless Steel, Add	*203.23*	
		For 316 Stainless Steel, Add	*228.19*	
		For Aluminum, Add	*12.84*	
		For Galvanized Steel, Add	*44.21*	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108	108.32	
		For 304 Stainless Steel, Add	*219.05*	
		For 316 Stainless Steel, Add	*245.95*	
		For Aluminum, Add	*13.83*	
		For Galvanized Steel, Add	*47.65*	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108	132.58	
		For 304 Stainless Steel, Add	*278.22*	
		For 316 Stainless Steel, Add	*312.38*	
		For Aluminum, Add	*17.57*	
		For Galvanized Steel, Add	*60.52*	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108	150.95	
		For 304 Stainless Steel, Add	*317.29*	
		For 316 Stainless Steel, Add	*356.26*	
		For Aluminum, Add	*20.04*	
		For Galvanized Steel, Add	*69.02*	
05 12 23 00-0662	LF	2-7/8 Carbon Steel Rounds, ASTM A108	168.35	
		For 304 Stainless Steel, Add	*353.57*	
		For 316 Stainless Steel, Add	*396.99*	
		For Aluminum, Add	*22.33*	
		For Galvanized Steel, Add	*76.92*	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108	176.73	
		For 304 Stainless Steel, Add	*364.17*	
		For 316 Stainless Steel, Add	*408.90*	
		For Aluminum, Add	*23.00*	
		For Galvanized Steel, Add	*79.22*	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	184.23	
		For 304 Stainless Steel, Add	*372.27*	
		For 316 Stainless Steel, Add	*417.98*	
		For Aluminum, Add	*23.51*	
		For Galvanized Steel, Add	*80.98*	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	194.23	
		For 304 Stainless Steel, Add	*387.46*	
		For 316 Stainless Steel, Add	*435.04*	
		For Aluminum, Add	*24.47*	
		For Galvanized Steel, Add	*84.29*	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	236.59	
		For 304 Stainless Steel, Add	*491.60*	
		For 316 Stainless Steel, Add	*551.97*	
		For Aluminum, Add	*31.05*	
		For Galvanized Steel, Add	*106.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	262.89	
		For 304 Stainless Steel, Add	*549.94*	
		For 316 Stainless Steel, Add	*617.47*	
		For Aluminum, Add	*34.73*	
		For Galvanized Steel, Add	*119.64*	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	282.16	
		For 304 Stainless Steel, Add	*588.27*	
		For 316 Stainless Steel, Add	*660.51*	
		For Aluminum, Add	*37.15*	
		For Galvanized Steel, Add	*127.97*	
05 12 23 00-0669	LF	4" Carbon Steel Rounds, ASTM A108	316.59	
		For 304 Stainless Steel, Add	*669.78*	
		For 316 Stainless Steel, Add	*752.03*	
		For Aluminum, Add	*42.30*	
		For Galvanized Steel, Add	*145.71*	

05 12 23 00-0670 Square Stock *(05 12 23 00-0422)*

05 12 23 00-0671	LF	3/8" Square Bar Stock	2.07	
		For 304 Stainless Steel, Add	*2.02*	
		For 316 Stainless Steel, Add	*2.27*	
		For Aluminum, Add	*0.13*	
		For Galvanized Steel, Add	*0.44*	
05 12 23 00-0672	LF	1/2" Square Bar Stock	2.75	
		For 304 Stainless Steel, Add	*3.56*	
		For 316 Stainless Steel, Add	*4.00*	
		For Aluminum, Add	*0.23*	
		For Galvanized Steel, Add	*0.78*	
05 12 23 00-0673	LF	5/8" Square Bar Stock	3.62	
		For 304 Stainless Steel, Add	*5.59*	
		For 316 Stainless Steel, Add	*6.27*	
		For Aluminum, Add	*0.35*	
		For Galvanized Steel, Add	*1.22*	
05 12 23 00-0674	LF	3/4" Square Bar Stock	4.82	
		For 304 Stainless Steel, Add	*8.07*	
		For 316 Stainless Steel, Add	*9.06*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
05 12 23 00-0675	LF	7/8" Square Bar Stock	6.26	
		For 304 Stainless Steel, Add	*11.26*	
		For 316 Stainless Steel, Add	*12.64*	
		For Aluminum, Add	*0.71*	
		For Galvanized Steel, Add	*2.45*	
05 12 23 00-0676	LF	1" Square Bar Stock	7.76	
		For 304 Stainless Steel, Add	*14.36*	
		For 316 Stainless Steel, Add	*16.13*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.12*	
05 12 23 00-0677	LF	1-1/4" Square Bar Stock	12.15	
		For 304 Stainless Steel, Add	*22.43*	
		For 316 Stainless Steel, Add	*25.18*	
		For Aluminum, Add	*1.42*	
		For Galvanized Steel, Add	*4.88*	
05 12 23 00-0678	LF	1-1/2" Square Bar Stock	17.32	
		For 304 Stainless Steel, Add	*32.29*	
		For 316 Stainless Steel, Add	*36.26*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.02*	
05 12 23 00-0679	LF	1-3/4" Square Bar Stock	25.74	
		For 304 Stainless Steel, Add	*44.92*	
		For 316 Stainless Steel, Add	*50.43*	
		For Aluminum, Add	*2.84*	
		For Galvanized Steel, Add	*9.77*	
05 12 23 00-0680	LF	2" Square Bar Stock	36.92	
		For 304 Stainless Steel, Add	*57.46*	
		For 316 Stainless Steel, Add	*64.51*	
		For Aluminum, Add	*3.63*	
		For Galvanized Steel, Add	*12.50*	

05 12 23 00-0681 Steel Tubing *(05 12 23 00-0422)*

Note: General purpose low-carbon steel.

05 12 23 00-0682 Square Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0683 0.06" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0684	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.71	0.64
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.27*	
		For >1,000, Deduct	*-0.36*	
		For 304 Stainless Steel, Add	*5.27*	
		For 316 Stainless Steel, Add	*5.92*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0685	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	4.17	1.02
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.41*	
		For >1,000, Deduct	*-0.55*	
		For 304 Stainless Steel, Add	*8.04*	
		For 316 Stainless Steel, Add	*9.02*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.75*	
05 12 23 00-0686	LF	1" x 1" x 0.06" Square Steel Tubing	5.61	1.84
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000, Deduct	*-0.75*	
		For 304 Stainless Steel, Add	*10.74*	
		For 316 Stainless Steel, Add	*12.06*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.34*	
05 12 23 00-0687	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	7.41	1.74
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
		For >1,000, Deduct	*-0.97*	
		For 304 Stainless Steel, Add	*14.48*	
		For 316 Stainless Steel, Add	*16.26*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.15*	
05 12 23 00-0688	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.79	2.11
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.16*	
		For 304 Stainless Steel, Add	*17.01*	
		For 316 Stainless Steel, Add	*19.10*	
		For Aluminum, Add	*1.07*	
		For Galvanized Steel, Add	*3.70*	

05 12 23 00-0689 0.083" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0690	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	4.85	1.19
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.64*	
		For 304 Stainless Steel, Add	*9.32*	
		For 316 Stainless Steel, Add	*10.46*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.03*	
05 12 23 00-0691	LF	1" x 1" x 0.083" Square Steel Tubing	7.07	1.63
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.92*	
		For 304 Stainless Steel, Add	*13.97*	
		For 316 Stainless Steel, Add	*15.68*	
		For Aluminum, Add	*0.88*	
		For Galvanized Steel, Add	*3.04*	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.54	2.07
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.13*	
		For 304 Stainless Steel, Add	*16.47*	
		For 316 Stainless Steel, Add	*18.50*	
		For Aluminum, Add	*1.04*	
		For Galvanized Steel, Add	*3.58*	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	10.32	2.52
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*19.86*	
		For 316 Stainless Steel, Add	*22.30*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.32*	
05 12 23 00-0694	LF	2" x 2" x 0.083" Square Steel Tubing	13.25	3.35
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.77*	
		For 304 Stainless Steel, Add	*25.02*	
		For 316 Stainless Steel, Add	*28.10*	
		For Aluminum, Add	*1.58*	
		For Galvanized Steel, Add	*5.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0695		**0.12" Wall Thickness** *(05 12 23 00-0682)*		
05 12 23 00-0696	LF	1" x 1" x 0.12" Square Steel Tubing	7.81	1.93
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.04*	
		For 304 Stainless Steel, Add	*14.88*	
		For 316 Stainless Steel, Add	*16.70*	
		For Aluminum, Add	*0.94*	
		For Galvanized Steel, Add	*3.24*	
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	10.04	2.49
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.34*	
		For 304 Stainless Steel, Add	*19.18*	
		For 316 Stainless Steel, Add	*21.54*	
		For Aluminum, Add	*1.21*	
		For Galvanized Steel, Add	*4.17*	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	12.33	3.04
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000, Deduct	*-1.64*	
		For 304 Stainless Steel, Add	*23.60*	
		For 316 Stainless Steel, Add	*26.50*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.13*	
05 12 23 00-0699	LF	2" x 2" x 0.12" Square Steel Tubing	16.70	4.14
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*31.86*	
		For 316 Stainless Steel, Add	*35.78*	
		For Aluminum, Add	*2.01*	
		For Galvanized Steel, Add	*6.93*	
05 12 23 00-0700		**1/8" Wall Thickness** *(05 12 23 00-0682)*		
05 12 23 00-0701	LF	2" x 2" x 1/8" Square Steel Tubing	15.05	4.30
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.08*	
		For 304 Stainless Steel, Add	*26.56*	
		For 316 Stainless Steel, Add	*29.82*	
		For Aluminum, Add	*1.68*	
		For Galvanized Steel, Add	*5.78*	
05 12 23 00-0702	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	19.85	5.45
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.36*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.71*	
		For 304 Stainless Steel, Add	*35.88*	
		For 316 Stainless Steel, Add	*40.29*	
		For Aluminum, Add	*2.27*	
		For Galvanized Steel, Add	*7.81*	
05 12 23 00-0703	LF	3" x 3" x 1/8" Square Steel Tubing	23.26	6.59
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.60*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.21*	
		For 304 Stainless Steel, Add	*41.24*	
		For 316 Stainless Steel, Add	*46.30*	
		For Aluminum, Add	*2.60*	
		For Galvanized Steel, Add	*8.97*	
05 12 23 00-0704	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	26.96	7.74
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.80*	
		For >1,000, Deduct	*-3.73*	
		For 304 Stainless Steel, Add	*47.42*	
		For 316 Stainless Steel, Add	*53.25*	
		For Aluminum, Add	*3.00*	
		For Galvanized Steel, Add	*10.32*	
05 12 23 00-0705	LF	4" x 4" x 1/8" Square Steel Tubing	29.72	8.88
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.08*	
		For >500 To 1,000, Deduct	*-3.12*	
		For >1,000, Deduct	*-4.16*	
		For 304 Stainless Steel, Add	*50.93*	
		For 316 Stainless Steel, Add	*57.18*	
		For Aluminum, Add	*3.22*	
		For Galvanized Steel, Add	*11.08*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706		3/16" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0707	LF	2" x 2" x 3/16" Square Steel Tubing	17.06	4.85
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000, Deduct	*-2.35*	
		For 304 Stainless Steel, Add	*30.21*	
		For 316 Stainless Steel, Add	*33.92*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.57*	
05 12 23 00-0708	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	22.09	6.27
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000, Deduct	*-3.05*	
		For 304 Stainless Steel, Add	*39.10*	
		For 316 Stainless Steel, Add	*43.90*	
		For Aluminum, Add	*2.47*	
		For Galvanized Steel, Add	*8.51*	
05 12 23 00-0709	LF	3" x 3" x 3/16" Square Steel Tubing	27.15	7.71
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.74*	
		For 304 Stainless Steel, Add	*48.05*	
		For 316 Stainless Steel, Add	*53.95*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.45*	
05 12 23 00-0710	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	32.21	9.15
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.44*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
		For Galvanized Steel, Add	*12.41*	
05 12 23 00-0711	LF	4" x 4" x 3/16" Square Steel Tubing	37.22	10.58
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-5.13*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	
05 12 23 00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	42.29	12.01
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000, Deduct	*-5.83*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
		For Galvanized Steel, Add	*16.29*	
05 12 23 00-0713	LF	5" x 5" x 3/16" Square Steel Tubing	47.30	13.44
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.26*	
		For >500 To 1,000, Deduct	*-4.89*	
		For >1,000, Deduct	*-6.52*	
		For 304 Stainless Steel, Add	*83.73*	
		For 316 Stainless Steel, Add	*94.02*	
		For Aluminum, Add	*5.29*	
		For Galvanized Steel, Add	*18.22*	
05 12 23 00-0714	LF	6" x 6" x 3/16" Square Steel Tubing	57.43	16.31
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.96*	
		For >500 To 1,000, Deduct	*-5.94*	
		For >1,000, Deduct	*-7.92*	
		For 304 Stainless Steel, Add	*101.66*	
		For 316 Stainless Steel, Add	*114.14*	
		For Aluminum, Add	*6.42*	
		For Galvanized Steel, Add	*22.12*	
05 12 23 00-0715		1/4" Wall Thickness *(05 12 23 00-0682)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716	LF	2" x 2" x 1/4" Square Steel Tubing	18.20	4.86
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.47*	
		For 304 Stainless Steel, Add	*33.40*	
		For 316 Stainless Steel, Add	*37.50*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
05 12 23 00-0717	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	23.92	6.38
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.24*	
		For 304 Stainless Steel, Add	*43.89*	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	
		For Galvanized Steel, Add	*9.55*	
05 12 23 00-0718	LF	3" x 3" x 1/4" Square Steel Tubing	29.64	7.91
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*54.41*	
		For 316 Stainless Steel, Add	*61.09*	
		For Aluminum, Add	*3.44*	
		For Galvanized Steel, Add	*11.84*	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	35.35	9.44
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.79*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
05 12 23 00-0720	LF	4" x 4" x 1/4" Square Steel Tubing	41.07	10.96
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.78*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000, Deduct	*-5.57*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
		For Galvanized Steel, Add	*16.40*	
05 12 23 00-0721	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	46.80	12.49
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.17*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-6.35*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
		For Galvanized Steel, Add	*18.69*	
05 12 23 00-0722	LF	5" x 5" x 1/4" Square Steel Tubing	52.55	14.03
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.56*	
		For >500 To 1,000, Deduct	*-5.34*	
		For >1,000, Deduct	*-7.13*	
		For 304 Stainless Steel, Add	*96.44*	
		For 316 Stainless Steel, Add	*108.29*	
		For Aluminum, Add	*6.09*	
		For Galvanized Steel, Add	*20.98*	
05 12 23 00-0723	LF	6" x 6" x 1/4" Square Steel Tubing	63.99	17.08
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.34*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000, Deduct	*-8.68*	
		For 304 Stainless Steel, Add	*117.45*	
		For 316 Stainless Steel, Add	*131.87*	
		For Aluminum, Add	*7.42*	
		For Galvanized Steel, Add	*25.55*	

05 12 23 00-0724 Rectangular Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0725 3/16" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0726	LF	3" x 2" x 3/16" Square Steel Tubing	22.09	6.27
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000, Deduct	*-3.05*	
		For 304 Stainless Steel, Add	*39.10*	
		For 316 Stainless Steel, Add	*43.90*	
		For Aluminum, Add	*2.47*	
		For Galvanized Steel, Add	*8.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF	4" x 2" x 3/16" Square Steel Tubing	27.15	7.71
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.74*	
		For 304 Stainless Steel, Add	*48.05*	
		For 316 Stainless Steel, Add	*53.95*	
		For Aluminum, Add	*3.03*	
		For Galvanized Steel, Add	*10.45*	
05 12 23 00-0728	LF	4" x 3" x 3/16" Square Steel Tubing	32.21	9.15
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.44*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
		For Galvanized Steel, Add	*12.41*	
05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing	32.21	9.15
		For >100 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.22*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.44*	
		For 304 Stainless Steel, Add	*57.03*	
		For 316 Stainless Steel, Add	*64.03*	
		For Aluminum, Add	*3.60*	
		For Galvanized Steel, Add	*12.41*	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing	37.22	10.58
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-5.13*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing	42.29	12.01
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000, Deduct	*-5.83*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
		For Galvanized Steel, Add	*16.29*	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing	37.22	10.58
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-5.13*	
		For 304 Stainless Steel, Add	*65.89*	
		For 316 Stainless Steel, Add	*73.98*	
		For Aluminum, Add	*4.16*	
		For Galvanized Steel, Add	*14.33*	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing	42.29	12.01
		For >100 To 250, Deduct	*-1.86*	
		For >250 To 500, Deduct	*-2.92*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000, Deduct	*-5.83*	
		For 304 Stainless Steel, Add	*74.87*	
		For 316 Stainless Steel, Add	*84.06*	
		For Aluminum, Add	*4.73*	
		For Galvanized Steel, Add	*16.29*	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing	47.30	13.44
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.26*	
		For >500 To 1,000, Deduct	*-4.89*	
		For >1,000, Deduct	*-6.52*	
		For 304 Stainless Steel, Add	*83.73*	
		For 316 Stainless Steel, Add	*94.02*	
		For Aluminum, Add	*5.29*	
		For Galvanized Steel, Add	*18.22*	

05 12 23 00-0735 1/4" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing	23.92	6.38
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.43*	
		For >1,000, Deduct	*-3.24*	
		For 304 Stainless Steel, Add	*43.89*	
		For 316 Stainless Steel, Add	*49.28*	
		For Aluminum, Add	*2.77*	
		For Galvanized Steel, Add	*9.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737	LF	4" x 2" x 1/4" Square Steel Tubing	29.64	7.91
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*54.41*	
		For 316 Stainless Steel, Add	*61.09*	
		For Aluminum, Add	*3.44*	
		For Galvanized Steel, Add	*11.84*	
05 12 23 00-0738	LF	4" x 3" x 1/4" Square Steel Tubing	35.35	9.44
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.79*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
05 12 23 00-0739	LF	5" x 2" x 1/4" Square Steel Tubing	35.35	9.44
		For >100 To 250, Deduct	*-1.51*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.79*	
		For 304 Stainless Steel, Add	*64.89*	
		For 316 Stainless Steel, Add	*72.86*	
		For Aluminum, Add	*4.10*	
		For Galvanized Steel, Add	*14.12*	
05 12 23 00-0740	LF	5" x 3" x 1/4" Square Steel Tubing	41.07	10.96
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.78*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000, Deduct	*-5.57*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
		For Galvanized Steel, Add	*16.40*	
05 12 23 00-0741	LF	5" x 4" x 1/4" Square Steel Tubing	46.80	12.49
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.17*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-6.35*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
		For Galvanized Steel, Add	*18.69*	
05 12 23 00-0742	LF	6" x 2" x 1/4" Square Steel Tubing	41.07	10.96
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.78*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000, Deduct	*-5.57*	
		For 304 Stainless Steel, Add	*75.38*	
		For 316 Stainless Steel, Add	*84.64*	
		For Aluminum, Add	*4.76*	
		For Galvanized Steel, Add	*16.40*	
05 12 23 00-0743	LF	6" x 3" x 1/4" Square Steel Tubing	46.80	12.49
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.17*	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000, Deduct	*-6.35*	
		For 304 Stainless Steel, Add	*85.90*	
		For 316 Stainless Steel, Add	*96.45*	
		For Aluminum, Add	*5.43*	
		For Galvanized Steel, Add	*18.69*	
05 12 23 00-0744	LF	6" x 4" x 1/4" Square Steel Tubing	52.55	14.03
		For >100 To 250, Deduct	*-2.25*	
		For >250 To 500, Deduct	*-3.56*	
		For >500 To 1,000, Deduct	*-5.34*	
		For >1,000, Deduct	*-7.13*	
		For 304 Stainless Steel, Add	*96.44*	
		For 316 Stainless Steel, Add	*108.29*	
		For Aluminum, Add	*6.09*	
		For Galvanized Steel, Add	*20.98*	

05 12 23 00-0745 Round Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0746 0.065" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0747	LF	1" Diameter x 0.065" Round Steel Tubing	4.84	1.17
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.48*	
		For >1,000, Deduct	*-0.64*	
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	6.15	1.48
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.61*	
		For >1,000, Deduct	*-0.81*	
		For 304 Stainless Steel, Add	*11.91*	
		For 316 Stainless Steel, Add	*13.38*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.59*	
05 12 23 00-0749	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	7.45	1.79
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.98*	
		For 304 Stainless Steel, Add	*14.42*	
		For 316 Stainless Steel, Add	*16.19*	
		For Aluminum, Add	*0.91*	
		For Galvanized Steel, Add	*3.14*	
05 12 23 00-0750	LF	2" Diameter x 0.065" Round Steel Tubing	10.04	2.42
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000, Deduct	*-1.33*	
		For 304 Stainless Steel, Add	*19.44*	
		For 316 Stainless Steel, Add	*21.82*	
		For Aluminum, Add	*1.23*	
		For Galvanized Steel, Add	*4.23*	
05 12 23 00-0751	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	12.63	3.04
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*24.45*	
		For 316 Stainless Steel, Add	*27.46*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.32*	
05 12 23 00-0752	LF	3" Diameter x 0.065" Round Steel Tubing	15.22	3.65
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.01*	
		For 304 Stainless Steel, Add	*29.47*	
		For 316 Stainless Steel, Add	*33.09*	
		For Aluminum, Add	*1.86*	
		For Galvanized Steel, Add	*6.41*	
05 12 23 00-0753	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	17.81	4.29
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000, Deduct	*-2.35*	
		For 304 Stainless Steel, Add	*34.49*	
		For 316 Stainless Steel, Add	*38.72*	
		For Aluminum, Add	*2.18*	
		For Galvanized Steel, Add	*7.50*	
05 12 23 00-0754	LF	4" Diameter x 0.065" Round Steel Tubing	20.41	4.91
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000, Deduct	*-2.70*	
		For 304 Stainless Steel, Add	*39.53*	
		For 316 Stainless Steel, Add	*44.38*	
		For Aluminum, Add	*2.50*	
		For Galvanized Steel, Add	*8.60*	

05 12 23 00-0755 0.083" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0756	LF	1" Diameter x 0.083" Round Steel Tubing	5.26	1.28
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000, Deduct	*-0.70*	
		For 304 Stainless Steel, Add	*10.15*	
		For 316 Stainless Steel, Add	*11.39*	
		For Aluminum, Add	*0.64*	
		For Galvanized Steel, Add	*2.21*	
05 12 23 00-0757	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	6.70	1.63
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000, Deduct	*-0.89*	
		For 304 Stainless Steel, Add	*12.94*	
		For 316 Stainless Steel, Add	*14.53*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	8.14	1.97
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.08*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.63*	
		For Aluminum, Add	*0.99*	
		For Galvanized Steel, Add	*3.42*	
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	11.01	2.67
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000, Deduct	*-1.46*	
		For 304 Stainless Steel, Add	*21.23*	
		For 316 Stainless Steel, Add	*23.84*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.62*	
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.89	3.37
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.84*	
		For 304 Stainless Steel, Add	*26.79*	
		For 316 Stainless Steel, Add	*30.08*	
		For Aluminum, Add	*1.69*	
		For Galvanized Steel, Add	*5.83*	
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	16.76	4.07
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	19.63	4.76
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*37.85*	
		For 316 Stainless Steel, Add	*42.50*	
		For Aluminum, Add	*2.39*	
		For Galvanized Steel, Add	*8.23*	
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	22.50	5.46
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.23*	
		For >1,000, Deduct	*-2.98*	
		For 304 Stainless Steel, Add	*43.38*	
		For 316 Stainless Steel, Add	*48.70*	
		For Aluminum, Add	*2.74*	
		For Galvanized Steel, Add	*9.44*	

05 12 23 00-0764 0.125" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.81	3.37
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.82*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.63*	
		For 304 Stainless Steel, Add	*20.83*	
		For 316 Stainless Steel, Add	*23.39*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.53*	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.96	4.27
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000, Deduct	*-2.07*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	18.11	5.17
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.25*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000, Deduct	*-2.50*	
		For 304 Stainless Steel, Add	*31.95*	
		For 316 Stainless Steel, Add	*35.87*	
		For Aluminum, Add	*2.02*	
		For Galvanized Steel, Add	*6.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	21.25	6.07
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.93*	
		For 304 Stainless Steel, Add	*37.51*	
		For 316 Stainless Steel, Add	*42.11*	
		For Aluminum, Add	*2.37*	
		For Galvanized Steel, Add	*8.16*	
05 12 23 00-0769	LF	4" Diameter x 0.125" Round Steel Tubing	24.40	6.97
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-3.37*	
		For 304 Stainless Steel, Add	*43.06*	
		For 316 Stainless Steel, Add	*48.35*	
		For Aluminum, Add	*2.72*	
		For Galvanized Steel, Add	*9.37*	

05 12 23 00-0770 Flat Steel Bar *(05 12 23 00-0422)*

05 12 23 00-0771 1/8" Thick *(05 12 23 00-0770)*

05 12 23 00-0772	LF	1/8" Thick x 1" Wide Flat Steel Bar	3.61	1.68
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
05 12 23 00-0773	LF	1/8" Thick x 2" Wide Flat Steel Bar	5.59	2.52
		For 304 Stainless Steel, Add	*5.16*	
		For 316 Stainless Steel, Add	*5.79*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.12*	
05 12 23 00-0774	LF	1/8" Thick x 4" Wide Flat Steel Bar	8.61	3.54
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.04*	
05 12 23 00-0775	LF	1/8" Thick x 6" Wide Flat Steel Bar	11.67	4.81
		For 304 Stainless Steel, Add	*12.68*	
		For 316 Stainless Steel, Add	*14.24*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.76*	

05 12 23 00-0776 3/16" Thick *(05 12 23 00-0770)*

05 12 23 00-0777	LF	3/16" Thick x 1" Wide Flat Steel Bar	4.78	2.08
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
05 12 23 00-0778	LF	3/16" Thick x 2" Wide Flat Steel Bar	7.55	3.12
		For 304 Stainless Steel, Add	*8.15*	
		For 316 Stainless Steel, Add	*9.15*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.77*	
05 12 23 00-0779	LF	3/16" Thick x 4" Wide Flat Steel Bar	10.22	3.59
		For 304 Stainless Steel, Add	*13.77*	
		For 316 Stainless Steel, Add	*15.46*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*2.99*	
05 12 23 00-0780	LF	3/16" Thick x 6" Wide Flat Steel Bar	14.14	4.98
		For 304 Stainless Steel, Add	*19.01*	
		For 316 Stainless Steel, Add	*21.34*	
		For Aluminum, Add	*1.20*	
		For Galvanized Steel, Add	*4.14*	

05 12 23 00-0781 1/4" Thick *(05 12 23 00-0770)*

05 12 23 00-0782	LF	1/4" Thick x 1" Wide Flat Steel Bar	4.94	2.20
		For 304 Stainless Steel, Add	*4.67*	
		For 316 Stainless Steel, Add	*5.25*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.02*	
05 12 23 00-0783	LF	1/4" Thick x 2" Wide Flat Steel Bar	8.26	3.30
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.05*	
05 12 23 00-0784	LF	1/4" Thick x 4" Wide Flat Steel Bar	12.08	3.78
		For 304 Stainless Steel, Add	*18.27*	
		For 316 Stainless Steel, Add	*20.51*	
		For Aluminum, Add	*1.15*	
		For Galvanized Steel, Add	*3.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785	LF	1/4" Thick x 6" Wide Flat Steel Bar	17.48	5.58
		For 304 Stainless Steel, Add	*25.91*	
		For 316 Stainless Steel, Add	*29.09*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.64*	
05 12 23 00-0786		**3/8" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0787	LF	3/8" Thick x 1" Wide Flat Steel Bar	6.29	2.48
		For 304 Stainless Steel, Add	*7.32*	
		For 316 Stainless Steel, Add	*8.22*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.59*	
05 12 23 00-0788	LF	3/8" Thick x 2" Wide Flat Steel Bar	10.32	3.71
		For 304 Stainless Steel, Add	*13.51*	
		For 316 Stainless Steel, Add	*15.17*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.94*	
05 12 23 00-0789	LF	3/8" Thick x 4" Wide Flat Steel Bar	15.85	4.24
		For 304 Stainless Steel, Add	*27.02*	
		For 316 Stainless Steel, Add	*30.34*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.88*	
05 12 23 00-0790	LF	3/8" Thick x 6" Wide Flat Steel Bar	22.77	6.27
		For 304 Stainless Steel, Add	*38.02*	
		For 316 Stainless Steel, Add	*42.69*	
		For Aluminum, Add	*2.40*	
		For Galvanized Steel, Add	*8.27*	
05 12 23 00-0791		**1/2" Thick** *(05 12 23 00-0770)*		
05 12 23 00-0792	LF	1/2" Thick x 1" Wide Flat Steel Bar	7.39	2.72
		For 304 Stainless Steel, Add	*9.38*	
		For 316 Stainless Steel, Add	*10.53*	
		For Aluminum, Add	*0.59*	
		For Galvanized Steel, Add	*2.04*	
05 12 23 00-0793	LF	1/2" Thick x 2" Wide Flat Steel Bar	12.19	4.10
		For 304 Stainless Steel, Add	*17.24*	
		For 316 Stainless Steel, Add	*19.36*	
		For Aluminum, Add	*1.09*	
		For Galvanized Steel, Add	*3.75*	
05 12 23 00-0794	LF	1/2" Thick x 4" Wide Flat Steel Bar	17.32	4.66
		For 304 Stainless Steel, Add	*29.38*	
		For 316 Stainless Steel, Add	*32.99*	
		For Aluminum, Add	*1.86*	
		For Galvanized Steel, Add	*6.39*	
05 12 23 00-0795	LF	1/2" Thick x 6" Wide Flat Steel Bar	30.94	6.91
		For 304 Stainless Steel, Add	*58.62*	
		For 316 Stainless Steel, Add	*65.82*	
		For Aluminum, Add	*3.70*	
		For Galvanized Steel, Add	*12.75*	
05 12 23 00-0796		**Flat Steel Plate** *(05 12 23 00-0422)*		
05 12 23 00-0797	SF	1/8" Thick Flat Steel Plate	18.60	7.22
		For 304 Stainless Steel, Add	*22.12*	
		For 316 Stainless Steel, Add	*24.83*	
		For Aluminum, Add	*1.40*	
		For Galvanized Steel, Add	*4.81*	
05 12 23 00-0798	SF	3/16" Thick Flat Steel Plate	20.94	7.47
		For 304 Stainless Steel, Add	*27.67*	
		For 316 Stainless Steel, Add	*31.07*	
		For Aluminum, Add	*1.75*	
		For Galvanized Steel, Add	*6.02*	
05 12 23 00-0799	SF	1/4" Thick Flat Steel Plate	24.95	8.38
		For 304 Stainless Steel, Add	*35.28*	
		For 316 Stainless Steel, Add	*39.62*	
		For Aluminum, Add	*2.23*	
		For Galvanized Steel, Add	*7.68*	
05 12 23 00-0800	SF	3/8" Thick Flat Steel Plate	33.57	9.42
		For 304 Stainless Steel, Add	*55.38*	
		For 316 Stainless Steel, Add	*62.18*	
		For Aluminum, Add	*3.50*	
		For Galvanized Steel, Add	*12.05*	
05 12 23 00-0801	SF	1/2" Thick Flat Steel Plate	39.75	10.36
		For 304 Stainless Steel, Add	*68.97*	
		For 316 Stainless Steel, Add	*77.44*	
		For Aluminum, Add	*4.36*	
		For Galvanized Steel, Add	*15.00*	
05 12 23 00-0802	SF	3/4" Thick Flat Steel Plate	64.85	12.84
		For 304 Stainless Steel, Add	*129.39*	
		For 316 Stainless Steel, Add	*145.28*	
		For Aluminum, Add	*8.17*	
		For Galvanized Steel, Add	*28.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803	SF	1" Thick Flat Steel Plate	86.47	16.05
		For 304 Stainless Steel, Add	*177.16*	
		For 316 Stainless Steel, Add	*198.91*	
		For Aluminum, Add	*11.19*	
		For Galvanized Steel, Add	*38.54*	

05 12 33 Structural Steel for Bridges *(05 12)*

See CSI section 05 12 23 00-0000 for structural steel, 34 05 43 00-0392 for bridge girder repair.

05 13 Structural Stainless-Steel Framing *(05 10)*

05 13 00 00-0001 Stainless Steel Tube *(05 13)*

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube	39.52	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	51.29	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube	69.91	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	11.97	0.98
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	10.53	0.91

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	18.75	4.04
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	19.95	4.04

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	16.97	2.47
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	14.35	3.99
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	17.57	4.36
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	20.14	5.08
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	24.24	5.46
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	75.22	6.91
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	61.36	6.18

05 14 13 00-0015 Columns *(05 14 13)*

Note: Baked on paint finish, load bearing.

05 14 13 00-0016 Round Columns *(05 14 13 00-0015)*

05 14 13 00-0017	LF	6" Diameter Aluminum Column	68.22	7.81
05 14 13 00-0018	LF	8" Diameter Aluminum Column	90.73	11.19
05 14 13 00-0019	LF	10" Diameter Aluminum Column	111.43	12.59
05 14 13 00-0020	LF	12" Diameter Aluminum Column	171.05	13.17
05 14 13 00-0021	LF	15" Diameter Aluminum Column	219.32	15.27
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	133.65	14.57
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	153.62	15.73
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	195.52	17.48
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	345.81	18.65
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	535.06	20.40

05 14 13 00-0027 Octagonal Columns *(05 14 13 00-0015)*

05 14 13 00-0028	LF	6" Diameter Aluminum Column	77.06	7.81
05 14 13 00-0029	LF	8" Diameter Aluminum Column	104.40	11.19
05 14 13 00-0030	LF	10" Diameter Aluminum Column	128.68	12.59
05 14 13 00-0031	LF	12" Diameter Aluminum Column	200.02	13.17
05 14 13 00-0032	LF	15" Diameter Aluminum Column	257.10	15.27
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	154.55	14.57
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	178.05	15.73
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	227.63	17.48
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	407.51	18.65
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	633.91	20.40

05 14 13 00-0038 Fluted Columns *(05 14 13 00-0015)*

05 14 13 00-0039	LF	6" Diameter Aluminum Column	86.29	7.81
05 14 13 00-0040	LF	8" Diameter Aluminum Column	116.69	11.19
05 14 13 00-0041	LF	10" Diameter Aluminum Column	144.21	12.59
05 14 13 00-0042	LF	12" Diameter Aluminum Column	226.08	13.17
05 14 13 00-0043	LF	15" Diameter Aluminum Column	291.10	15.27
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	173.37	14.57
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	200.03	15.73
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	256.53	17.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	463.04	18.65
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	722.88	20.40
05 14 13 00-0049		Square Columns *(05 14 13 00-0015)*		
05 14 13 00-0050	LF	6" Aluminum Column	92.61	7.81
05 14 13 00-0051	LF	8" Aluminum Column	125.10	11.19
05 14 13 00-0052	LF	10" Aluminum Column	154.83	12.59
05 14 13 00-0053	LF	12" Aluminum Column	243.91	13.17
05 14 13 00-0054	LF	15" Aluminum Column	314.35	15.27
05 14 13 00-0055	EA	6" Aluminum Base And Cap	186.23	14.57
05 14 13 00-0056	EA	8" Aluminum Base And Cap	215.07	15.73
05 14 13 00-0057	EA	10" Aluminum Base And Cap	276.29	17.48
05 14 13 00-0058	EA	12" Aluminum Base And Cap	501.02	18.65
05 14 13 00-0059	EA	15" Aluminum Base And Cap	783.71	20.40
05 14 13 00-0060		Ornamental Or Decorative Cap And Bases *(05 14 13 00-0015)*		
05 14 13 00-0061	EA	8" Corinthian Capital And Base	1,099.03	17.48
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,620.99	20.40
05 14 13 00-0063	EA	12" Corinthian Capital And Base	2,570.38	23.31
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	539.71	17.48
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	725.17	20.40
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,470.84	23.31

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.68	0.12
		For >500, Deduct	*-0.29*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.25	0.12
		For >500, Deduct	*-0.39*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.68	0.24
		For >500, Deduct	*-0.44*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.23	0.24
		For >500, Deduct	*-0.52*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.74	0.36
		For >500, Deduct	*-0.58*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.59	0.48
		For >500, Deduct	*-0.71*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.49	0.48
		For >500, Deduct	*-0.84*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.61	0.84
		For >500, Deduct	*-1.14*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.23	0.96
		For >500, Deduct	*-1.53*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.75	1.32
		For >500, Deduct	*-1.87*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.76	1.68
		For >500, Deduct	*-2.31*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	19.21	2.03
		For >500, Deduct	*-2.81*	
05 15 16 00-0014		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.97	0.12
		For >500, Deduct	*-0.35*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.55	0.12
		For >500, Deduct	*-0.45*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.16	0.24
		For >500, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.60	0.24
		For >500, Deduct	*-0.59*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.28	0.36
		For >500, Deduct	*-0.69*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.94	0.48
		For >500, Deduct	*-0.78*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.78	0.48
		For >500, Deduct	*-0.90*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	8.48	0.84
		For >500, Deduct	*-1.32*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.87	0.96
		For >500, Deduct	*-1.66*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	13.39	1.32
		For >500, Deduct	*-2.01*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	17.13	1.68
		For >500, Deduct	*-2.57*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	20.85	2.03
		For >500, Deduct	*-3.14*	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.56	0.12
		For >500, Deduct	*-0.27*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.12	0.12
		For >500, Deduct	*-0.36*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.52	0.24
		For >500, Deduct	*-0.41*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.96	0.24
		For >500, Deduct	*-0.47*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.57	0.36
		For >500, Deduct	*-0.55*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.52	0.48
		For >500, Deduct	*-0.69*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	5.27	0.48
		For >500, Deduct	*-0.79*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	7.41	0.84
		For >500, Deduct	*-1.10*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	9.09	0.96
		For >500, Deduct	*-1.31*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	11.55	1.32
		For >500, Deduct	*-1.63*	

05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.54	0.12
		For >500, Deduct	*-0.27*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.04	0.12
		For >500, Deduct	*-0.34*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.52	0.24
		For >500, Deduct	*-0.41*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.96	0.24
		For >500, Deduct	*-0.47*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.72	0.36
		For >500, Deduct	*-0.58*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.44	0.48
		For >500, Deduct	*-0.68*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.56	0.48
		For >500, Deduct	*-0.85*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.76	0.84
		For >500, Deduct	*-1.17*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	10.16	0.96
		For >500, Deduct	*-1.52*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.53	1.32
		For >500, Deduct	*-1.84*	

05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.85	0.24
		For >500, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.34	0.24
		For >500, Deduct	*-0.54*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.91	0.36
		For >500, Deduct	*-0.62*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.27	0.48
		For >500, Deduct	*-0.84*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.82	0.48
		For >500, Deduct	*-0.90*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.94	0.84
		For >500, Deduct	*-1.21*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.19	0.96
		For >500, Deduct	*-1.53*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.43	1.32
		For >500, Deduct	*-2.01*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	16.27	1.68
		For >500, Deduct	*-2.41*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	19.64	2.03
		For >500, Deduct	*-2.90*	

05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.93	0.24
		For >500, Deduct	*-0.49*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.54	0.24
		For >500, Deduct	*-0.58*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.19	0.36
		For >500, Deduct	*-0.67*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.85	0.48
		For >500, Deduct	*-0.96*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.91	0.48
		For >500, Deduct	*-0.92*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	8.13	0.84
		For >500, Deduct	*-1.25*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	10.78	0.96
		For >500, Deduct	*-1.64*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	13.62	1.32
		For >500, Deduct	*-2.05*	

05 15 16 00-0069 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope *(05 15 16)*

05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.02	0.12
		For >500, Deduct	*-0.56*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.25	0.12
		For >500, Deduct	*-0.59*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.83	0.24
		For >500, Deduct	*-0.68*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.15	0.24
		For >500, Deduct	*-0.90*	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.87	0.24
		For >500, Deduct	*-1.05*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.79	0.48
		For >500, Deduct	*-1.15*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	8.08	0.48
		For >500, Deduct	*-1.36*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	11.13	0.71
		For >500, Deduct	*-1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0078		**7x7, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.34	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.39	0.10
		For >500, Deduct	*-0.05*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.44	0.11
		For >500, Deduct	*-0.05*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.51	0.12
		For >500, Deduct	*-0.06*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.63	0.12
		For >500, Deduct	*-0.08*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.11
		For >500, Deduct	*-0.09*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.67	0.12
		For >500, Deduct	*-0.10*	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.77	0.12
		For >500, Deduct	*-0.11*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.90	0.12
		For >500, Deduct	*-0.14*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.36	0.12
		For >500, Deduct	*-0.21*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.82	0.12
		For >500, Deduct	*-0.27*	
05 15 16 00-0091		**Heavy-Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	15.39	3.59
05 15 16 00-0093	EA	5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	17.50	3.59
05 15 16 00-0094	EA	3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.84	3.59
05 15 16 00-0095	EA	7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.27	3.59
05 15 16 00-0096	EA	1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.30	3.59
05 15 16 00-0097	EA	9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	26.30	3.59
05 15 16 00-0098	EA	5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	28.48	3.59
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	52.11	5.51
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	61.48	6.70
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	109.52	11.01
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	157.30	14.97
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	157.30	14.97
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	18.79	3.59
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	19.21	3.59
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	22.09	3.59
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	22.54	3.59
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	23.19	3.59
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	29.38	3.59
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	29.85	3.59
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	34.30	3.59
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	34.95	3.59
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	47.75	4.79
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	71.29	7.19
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	78.58	7.19
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	92.09	9.58
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	133.73	14.38
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	104.93	3.59
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	167.70	3.59
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	172.43	4.79
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	204.82	5.99
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	204.82	5.99
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	298.52	13.18
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	298.52	13.18
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	379.48	25.15
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	510.38	35.93
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	717.22	55.09
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	938.21	86.23
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	1,092.31	99.41
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	84.25	3.59
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	114.33	3.59
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	114.33	3.59
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	142.37	4.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	143.69	4.79
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	196.56	8.39
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	202.26	9.58
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	249.46	15.56
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	321.73	22.75
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	460.22	31.14
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	569.42	43.12
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	769.66	67.07

05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets *(05 15 16)*

05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	176.23	3.59
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	180.54	3.59
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	180.54	3.59
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	201.00	7.19
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	201.00	7.19
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	262.84	11.98
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	262.84	11.98
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	332.03	17.96
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	495.97	29.94
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	904.31	46.70
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	1,057.25	75.45
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,429.44	99.41

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets *(05 15 16)*

05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	147.62	3.59
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	148.19	3.59
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	148.19	3.59
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	165.52	5.99
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	165.52	5.99
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	230.88	10.78
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	230.88	10.78
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	282.28	15.56
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	411.89	23.95
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	621.67	37.13
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	813.58	50.30
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	1,023.98	67.07

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles *(05 15 16)*

05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	101.25	3.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-13.39*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	108.68	3.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-14.51*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	122.43	3.59
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.57*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	135.03	4.79
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-17.24*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	177.86	5.99
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.94*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	202.00	7.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.97*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	204.88	9.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.20*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	254.06	9.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-32.12*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	288.73	10.78
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.89*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	276.14	13.18
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-33.78*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	313.84	15.56
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-37.62*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	388.57	16.76
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-48.02*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	467.43	20.36
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-57.73*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	529.92	28.74
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-62.38*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	643.32	33.54
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-76.54*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	550.96	28.74
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-65.54*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	628.39	37.13
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-71.80*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	863.86	46.70
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-101.94*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	964.78	55.09
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-112.05*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,072.53	67.07
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-120.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,297.28	75.45
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-149.68*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,685.25	86.23
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-201.46*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,663.02	92.22
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-194.18*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,822.13	119.76
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-201.46*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,309.24	155.69
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-406.56*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	5,404.83	299.41
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-631.08*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	21.72
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	21.82
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	24.62
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	29.41
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	29.28
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	40.09
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	48.21
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	65.21
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	87.57
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	127.55
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	151.78
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	276.18
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	316.78
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	391.85

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.62
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	25.80
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	35.09
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	23.47
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	31.78
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	48.02
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	46.53
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.21
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	39.60
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	40.90
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.11
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	28.73
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.50
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	51.30
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.89
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	62.74
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	55.19
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	50.33
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	59.25
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	60.12
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	53.50
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	67.37
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	77.28
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	89.17
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	73.61
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	73.59
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	75.05
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	82.99
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	89.53
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	104.69
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	138.71

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.30	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.38	0.10
		For >500, Deduct	*-0.05*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.49	0.11
		For >500, Deduct	*-0.06*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.79	0.12
		For >500, Deduct	*-0.11*	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.55	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.75	0.12
		For >500, Deduct	*-0.11*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.94	0.12
		For >500, Deduct	*-0.15*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.43	0.12
		For >500, Deduct	*-0.22*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	2.14	0.24
		For >500, Deduct	*-0.34*	
05 15 19 00-0014		7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.30	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.38	0.10
		For >500, Deduct	*-0.05*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.49	0.11
		For >500, Deduct	*-0.06*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.79	0.12
		For >500, Deduct	*-0.11*	
05 15 19 00-0020		7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*		
05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.55	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.64	0.12
		For >500, Deduct	*-0.09*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.75	0.12
		For >500, Deduct	*-0.11*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.94	0.12
		For >500, Deduct	*-0.15*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.43	0.12
		For >500, Deduct	*-0.22*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	2.14	0.12
		For >500, Deduct	*-0.34*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,879.01	212.10
		For Welded Cross Bridging, Add	*265.12*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*239.43*	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,638.30	198.84
		For Welded Cross Bridging, Add	*235.66*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*222.33*	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,163.86	198.84
		For Welded Cross Bridging, Add	*244.73*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*281.77*	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,581.30	198.84
		For Welded Cross Bridging, Add	*244.73*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*331.86*	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,179.65	198.84
		For Welded Cross Bridging, Add	*265.12*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*275.51*	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,946.56	198.84
		For Welded Cross Bridging, Add	*244.73*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*375.70*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.27	0.54
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.87*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.53*	
		For >500 To 1,500, Add	*0.17*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.73	0.63
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*0.99*	
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.61*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.68	0.76
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.24*	
		For Up To 100, Add	*1.33*	
		For >100 To 500, Add	*0.76*	
		For >500 To 1,500, Add	*0.24*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.59	0.61
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*0.96*	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.13	0.70
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.10*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.67*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.19	0.85
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.38*	
		For Up To 100, Add	*1.48*	
		For >100 To 500, Add	*0.84*	
		For >500 To 1,500, Add	*0.27*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.06	0.64
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.08*	
		For Up To 100, Add	*1.13*	
		For >100 To 500, Add	*0.65*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.71	0.74
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.25*	
		For Up To 100, Add	*1.29*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.23*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.80	0.83
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.53*	
		For Up To 100, Add	*1.52*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.28	0.90
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*1.90*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*1.07*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.53	0.68
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.20*	
		For Up To 100, Add	*1.21*	
		For >100 To 500, Add	*0.71*	
		For >500 To 1,500, Add	*0.21*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.29	0.76
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Site Installed Insulation Between Ribs, Add	*1.39*	
		For Up To 100, Add	*1.39*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.59	0.95
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.74*	
		For Up To 100, Add	*1.72*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.29	1.15
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*2.18*	
		For Up To 100, Add	*2.12*	
		For >100 To 500, Add	*1.26*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.94	
		For Painted, Deduct	*-0.55*	
		For Perforated Or Slotted, Add	*0.55*	
		For Site Installed Insulation Between Ribs, Add	*3.06*	
		For Up To 100, Add	*2.13*	
		For >100 To 500, Add	*1.51*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	15.04	0.95
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Site Installed Insulation Between Ribs, Add	*3.85*	
		For Up To 100, Add	*2.57*	
		For >100 To 500, Add	*1.86*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.97	0.95
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Site Installed Insulation Between Ribs, Add	*3.58*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.66	1.15
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Site Installed Insulation Between Ribs, Add	*3.77*	
		For Up To 100, Add	*2.75*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.31	1.39
		For Painted, Deduct	*-0.83*	
		For Perforated Or Slotted, Add	*0.83*	
		For Site Installed Insulation Between Ribs, Add	*4.71*	
		For Up To 100, Add	*3.41*	
		For >100 To 500, Add	*2.36*	
		For >500 To 1,500, Add	*0.44*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	16.21	1.26
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*4.17*	
		For Up To 100, Add	*3.04*	
		For >100 To 500, Add	*2.10*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	20.19	1.53
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Site Installed Insulation Between Ribs, Add	*5.19*	
		For Up To 100, Add	*3.74*	
		For >100 To 500, Add	*2.59*	
		For >500 To 1,500, Add	*0.48*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.72	0.97
		For Painted, Deduct	*-0.48*	
		For Perforated Or Slotted, Add	*0.48*	
		For Insulated Cells, Add	*2.14*	
		For Site Installed Insulation Between Ribs, Add	*2.77*	
		For Up To 100, Add	*2.16*	
		For >100 To 500, Add	*1.44*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.68	1.28
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.27*	
		For Site Installed Insulation Between Ribs, Add	*3.04*	
		For Up To 100, Add	*2.62*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	13.15	1.02
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.67*	
		For Site Installed Insulation Between Ribs, Add	*3.38*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.32*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	14.25	1.35
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Insulated Cells, Add	*2.83*	
		For Site Installed Insulation Between Ribs, Add	*3.69*	
		For Up To 100, Add	*2.95*	
		For >100 To 500, Add	*1.93*	
		For >500 To 1,500, Add	*0.42*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	15.06	1.24
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.05*	
		For Site Installed Insulation Between Ribs, Add	*3.88*	
		For Up To 100, Add	*2.87*	
		For >100 To 500, Add	*1.96*	
		For >500 To 1,500, Add	*0.38*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	18.00	1.42
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.65*	
		For Site Installed Insulation Between Ribs, Add	*4.63*	
		For Up To 100, Add	*3.40*	
		For >100 To 500, Add	*2.33*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	20.17	1.53
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.11*	
		For Site Installed Insulation Between Ribs, Add	*5.19*	
		For Up To 100, Add	*3.74*	
		For >100 To 500, Add	*2.59*	
		For >500 To 1,500, Add	*0.48*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.81	1.65
		For Painted, Deduct	*-0.99*	
		For Perforated Or Slotted, Add	*0.99*	
		For Insulated Cells, Add	*4.45*	
		For Site Installed Insulation Between Ribs, Add	*5.61*	
		For Up To 100, Add	*4.03*	
		For >100 To 500, Add	*2.80*	
		For >500 To 1,500, Add	*0.51*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	23.30	1.24
		For Painted, Deduct	*-1.09*	
		For Perforated Or Slotted, Add	*1.09*	
		For Insulated Cells, Add	*4.90*	
		For Site Installed Insulation Between Ribs, Add	*5.94*	
		For Up To 100, Add	*3.72*	
		For >100 To 500, Add	*2.79*	
		For >500 To 1,500, Add	*0.39*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.80	1.44
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.18*	
		For Site Installed Insulation Between Ribs, Add	*6.33*	
		For Up To 100, Add	*4.10*	
		For >100 To 500, Add	*3.02*	
		For >500 To 1,500, Add	*0.45*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	26.21	1.55
		For Painted, Deduct	*-1.21*	
		For Perforated Or Slotted, Add	*1.21*	
		For Insulated Cells, Add	*5.46*	
		For Site Installed Insulation Between Ribs, Add	*6.70*	
		For Up To 100, Add	*4.37*	
		For >100 To 500, Add	*3.20*	
		For >500 To 1,500, Add	*0.49*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	27.95	1.67
		For Painted, Deduct	*-1.29*	
		For Perforated Or Slotted, Add	*1.29*	
		For Insulated Cells, Add	*5.82*	
		For Site Installed Insulation Between Ribs, Add	*7.14*	
		For Up To 100, Add	*4.67*	
		For >100 To 500, Add	*3.42*	
		For >500 To 1,500, Add	*0.52*	

05 31 23 Steel Roof Decking *(05 31)*

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0001		**Open Ribbed Galvanized Steel Form Deck** *(05 31 33)*		
05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.99	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.22*	
		For >100 To 500, Add	*0.61*	
		For >500 To 1,500, Add	*0.26*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.16	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.64*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.51	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.47*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.31*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.80	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.65*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.35*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.57	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.32*	
		For >100 To 500, Add	*0.68*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.76	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.39*	
		For >100 To 500, Add	*0.72*	
		For >500 To 1,500, Add	*0.28*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.96	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.51*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.31*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.23	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.69*	
		For >100 To 500, Add	*0.85*	
		For >500 To 1,500, Add	*0.35*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.45	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.88*	
		For >500 To 1,500, Add	*0.37*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.86	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.85*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.38*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	5.57	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.05*	
		For >500 To 1,500, Add	*0.41*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	6.17	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*2.29*	
		For >100 To 500, Add	*1.18*	
		For >500 To 1,500, Add	*0.47*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001		**Composite Open Ribbed Galvanized Steel Deck** *(05 36)*		
		Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.		
05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.50	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.76*	
		For >100 To 500, Add	*0.89*	
		For >500 To 1,500, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.82	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.96*	
		For >100 To 500, Add	*0.97*	
		For >500 To 1,500, Add	*0.41*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.40	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.37*	
		For >100 To 500, Add	*1.15*	
		For >500 To 1,500, Add	*0.51*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.89	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.77*	
		For >100 To 500, Add	*1.32*	
		For >500 To 1,500, Add	*0.61*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.82	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.96*	
		For >100 To 500, Add	*0.97*	
		For >500 To 1,500, Add	*0.41*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.20	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.14*	
		For >100 To 500, Add	*1.06*	
		For >500 To 1,500, Add	*0.45*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.78	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.56*	
		For >100 To 500, Add	*1.24*	
		For >500 To 1,500, Add	*0.55*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.32	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*1.41*	
		For >500 To 1,500, Add	*0.65*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	5.06	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.03*	
		For >100 To 500, Add	*1.01*	
		For >500 To 1,500, Add	*0.42*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.42	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.26*	
		For >100 To 500, Add	*1.12*	
		For >500 To 1,500, Add	*0.48*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	6.10	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.74*	
		For >100 To 500, Add	*1.32*	
		For >500 To 1,500, Add	*0.59*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.80	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*3.21*	
		For >100 To 500, Add	*1.52*	
		For >500 To 1,500, Add	*0.70*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.25	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*3.21*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.66*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.82	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.52*	
		For >100 To 500, Add	*1.76*	
		For >500 To 1,500, Add	*0.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.93	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.33*	
		For Up To 100, Add	*3.63*	
		For >100 To 500, Add	*1.81*	
		For >500 To 1,500, Add	*0.76*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.49	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*3.99*	
		For >100 To 500, Add	*1.96*	
		For >500 To 1,500, Add	*0.85*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.17	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.31*	
		For >100 To 500, Add	*2.12*	
		For >500 To 1,500, Add	*0.92*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.28	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.42*	
		For >100 To 500, Add	*2.16*	
		For >500 To 1,500, Add	*0.94*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.85	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.79*	
		For >100 To 500, Add	*2.32*	
		For >500 To 1,500, Add	*1.03*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.52	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*3.38*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.00	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.64*	
		For >100 To 500, Add	*1.81*	
		For >500 To 1,500, Add	*0.76*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.11	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.75*	
		For >100 To 500, Add	*1.86*	
		For >500 To 1,500, Add	*0.79*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.79	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*4.13*	
		For >100 To 500, Add	*2.03*	
		For >500 To 1,500, Add	*0.88*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.35	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*2.17*	
		For >500 To 1,500, Add	*0.94*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.52	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*2.23*	
		For >500 To 1,500, Add	*0.99*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.11	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.55*	
		For Up To 100, Add	*4.92*	
		For >100 To 500, Add	*2.38*	
		For >500 To 1,500, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.55	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.29*	
		For Up To 100, Add	*3.38*	
		For >100 To 500, Add	*1.70*	
		For >500 To 1,500, Add	*0.70*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	9.06	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.70*	
		For >100 To 500, Add	*1.84*	
		For >500 To 1,500, Add	*0.78*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.23	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.87*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.82*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.88	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*4.18*	
		For >100 To 500, Add	*2.05*	
		For >500 To 1,500, Add	*0.89*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.52	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.50*	
		For >100 To 500, Add	*2.20*	
		For >500 To 1,500, Add	*0.96*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.74	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.72*	
		For >100 To 500, Add	*2.29*	
		For >500 To 1,500, Add	*1.01*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.22	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.55*	
		For Up To 100, Add	*5.03*	
		For >100 To 500, Add	*2.42*	
		For >500 To 1,500, Add	*1.09*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.29	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.18	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.30	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.71	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.92	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.64	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.68	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.05	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	7.99	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.40	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.38	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.86	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	7.27	1.22
		For Walls >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.85*	
		For Up To 200, Add	*2.02*	
		For >200 To 500, Add	*1.01*	
		For 12" On Center, Add	*1.31*	
		For 24" On Center, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	8.19	1.22
		For Walls >10' High, Add	*1.64*	
		For Curved Wall, Add	*0.89*	
		For Up To 200, Add	*2.23*	
		For >200 To 500, Add	*1.12*	
		For 12" On Center, Add	*1.49*	
		For 24" On Center, Deduct	*-1.49*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	8.54	1.22
		For Walls >10' High, Add	*1.71*	
		For Curved Wall, Add	*0.93*	
		For Up To 200, Add	*2.33*	
		For >200 To 500, Add	*1.16*	
		For 12" On Center, Add	*1.55*	
		For 24" On Center, Deduct	*-1.55*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	11.10	1.35
		For Walls >10' High, Add	*2.22*	
		For Curved Wall, Add	*0.97*	
		For Up To 200, Add	*2.86*	
		For >200 To 500, Add	*1.43*	
		For 12" On Center, Add	*2.06*	
		For 24" On Center, Deduct	*-2.06*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	12.49	1.48
		For Walls >10' High, Add	*2.50*	
		For Curved Wall, Add	*1.01*	
		For Up To 200, Add	*3.17*	
		For >200 To 500, Add	*1.59*	
		For 12" On Center, Add	*2.33*	
		For 24" On Center, Deduct	*-2.33*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	7.84	1.22
		For Walls >10' High, Add	*1.57*	
		For Curved Wall, Add	*0.89*	
		For Up To 200, Add	*2.16*	
		For >200 To 500, Add	*1.08*	
		For 12" On Center, Add	*1.42*	
		For 24" On Center, Deduct	*-1.42*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	9.18	1.23
		For Walls >10' High, Add	*1.84*	
		For Curved Wall, Add	*0.94*	
		For Up To 200, Add	*2.46*	
		For >200 To 500, Add	*1.23*	
		For 12" On Center, Add	*1.68*	
		For 24" On Center, Deduct	*-1.68*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	9.70	1.23
		For Walls >10' High, Add	*1.94*	
		For Curved Wall, Add	*0.97*	
		For Up To 200, Add	*2.59*	
		For >200 To 500, Add	*1.29*	
		For 12" On Center, Add	*1.78*	
		For 24" On Center, Deduct	*-1.78*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	12.50	1.48
		For Walls >10' High, Add	*2.50*	
		For Curved Wall, Add	*1.02*	
		For Up To 200, Add	*3.18*	
		For >200 To 500, Add	*1.59*	
		For 12" On Center, Add	*2.33*	
		For 24" On Center, Deduct	*-2.33*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	13.85	1.62
		For Walls >10' High, Add	*2.77*	
		For Curved Wall, Add	*1.07*	
		For Up To 200, Add	*3.48*	
		For >200 To 500, Add	*1.74*	
		For 12" On Center, Add	*2.59*	
		For 24" On Center, Deduct	*-2.59*	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assemblies *(05 41)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	10.90	1.68
		For Walls >10' High, Add	*2.18*	
		For Curved Wall, Add	*1.12*	
		For Up To 200, Add	*2.93*	
		For >200 To 500, Add	*1.46*	
		For 12" On Center, Add	*1.99*	
		For 24" On Center, Deduct	*-1.99*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	11.22	1.71
		For Walls >10' High, Add	*2.24*	
		For Curved Wall, Add	*1.14*	
		For Up To 200, Add	*3.01*	
		For >200 To 500, Add	*1.50*	
		For 12" On Center, Add	*2.05*	
		For 24" On Center, Deduct	*-2.05*	
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	14.34	1.80
		For Walls >10' High, Add	*2.87*	
		For Curved Wall, Add	*1.20*	
		For Up To 200, Add	*3.67*	
		For >200 To 500, Add	*1.83*	
		For 12" On Center, Add	*2.67*	
		For 24" On Center, Deduct	*-2.67*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners Assembly	15.81	1.88
		For Walls >10' High, Add	*3.16*	
		For Curved Wall, Add	*1.25*	
		For Up To 200, Add	*4.00*	
		For >200 To 500, Add	*2.00*	
		For 12" On Center, Add	*2.95*	
		For 24" On Center, Deduct	*-2.95*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	15.88	2.89
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	17.11	3.64
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	18.52	3.98
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	20.91	4.24

05 42 13 00-0006 Steel Joists, 18 Gauge *(05 42 13)*

05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	17.72	3.21
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	19.11	4.04
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	20.76	4.43
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	21.31	4.71

05 42 13 00-0011 Steel Joists, 16 Gauge *(05 42 13)*

05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	22.63	4.47
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	23.91	4.71

05 42 13 00-0014 Steel Joists, 14 Gauge *(05 42 13)*

05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	27.28	4.71
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	29.72	4.96

05 42 13 00-0017 Steel Joists, 12 Gauge *(05 42 13)*

05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	32.71	5.18
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	35.88	5.46

05 42 13 00-0020 Steel Joists, 10 Gauge *(05 42 13)*

05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	38.21	5.70
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	42.12	6.00

05 42 13 00-0023 Steel Joists, 8 Gauge *(05 42 13)*

05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	43.79	6.27
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	48.41	6.61

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0001		**Metal Framing Channel** *(05 43)* Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.		
05 43 00 00-0002		**Steel Unistrut Channel** *(05 43 00 00-0001)*		
05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	14.59	2.70
		For Powder Coating, Add	*1.38*	
		For Galvanizing, Add	*1.56*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	15.04	2.70
		For Powder Coating, Add	*1.44*	
		For Galvanizing, Add	*1.64*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	15.72	2.70
		For Powder Coating, Add	*1.55*	
		For Galvanizing, Add	*1.75*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	13.70	2.70
		For Powder Coating, Add	*1.24*	
		For Galvanizing, Add	*1.41*	
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.75	2.70
		For Powder Coating, Add	*0.95*	
		For Galvanizing, Add	*1.08*	
05 43 00 00-0008		**Stainless Steel Unistrut Channel** *(05 43 00 00-0001)*		
05 43 00 00-0009		**304 Stainless Steel Unistrut Channel** *(05 43 00 00-0008)*		
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	25.53	2.70
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	30.44	2.70
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	29.22	2.70
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.81	2.70
05 43 00 00-0014		**316 Stainless Steel Unistrut Channel** *(05 43 00 00-0008)*		
05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	41.47	2.70
05 43 00 00-0016		**Aluminum Unistrut Channel** *(05 43 00 00-0001)*		
05 43 00 00-0017	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	14.01	2.70
05 43 00 00-0018	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	10.61	2.70
05 43 00 00-0019		**Metal Framing Channel Fittings** *(05 43)*		
05 43 00 00-0020		**Unistrut Closure Strips** *(05 43 00 00-0019)*		
05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel	9.09	0.59
05 43 00 00-0022		**Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0023		**Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	9.04	
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	10.12	
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	10.93	
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	15.31	
05 43 00 00-0028		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.38	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	16.45	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	22.98	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	37.28	
05 43 00 00-0033		**Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0034		**Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	9.07	
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	10.27	
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.99	
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	16.57	
05 43 00 00-0039		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.41	
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.65	
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.08	
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	36.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0044		**Beam Clamp For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	25.26	8.98
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	32.05	8.98
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut, P2676	3.70	
05 43 00 00-0048		**Beam Clamp Clevis Hangers For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0049	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	27.62	8.98
05 43 00 00-0050	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	33.02	8.98
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut	3.70	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	190.71	11.98
05 43 00 00-0053		**Accessories For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0054	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	62.85	8.98
05 43 00 00-0055	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	15.72	5.99
05 43 00 00-0056	EA	60 Degree Angle, 1-5/8" Channel P2097	16.47	5.99
05 43 00 00-0057		**Bases For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0058		**Steel Bases For Unistrut Channel** *(05 43 00 00-0057)*		
		Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0059	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	119.51	29.94
05 43 00 00-0060	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	121.09	29.94
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	174.25	29.94
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	143.16	29.94
05 43 00 00-0063		**Stainless Steel Bases For Unistrut Channel** *(05 43 00 00-0057)*		
		Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	240.92	29.94
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	439.17	29.94
05 43 00 00-0066	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	332.79	29.94
05 43 00 00-0067	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	493.38	29.94
05 43 00 00-0068	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	430.85	29.94
05 43 00 00-0069		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0019)*		
05 43 00 00-0070		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0069)*		
		Note: Includes stainless steel (316) hardware.		
05 43 00 00-0071	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.57	2.15
05 43 00 00-0072	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	6.71	2.15
05 43 00 00-0073	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	7.76	2.60
05 43 00 00-0074	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.23	2.82
05 43 00 00-0075	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.38	3.16
05 43 00 00-0076	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.38	3.16
05 43 00 00-0077	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	16.01	5.30
05 43 00 00-0078	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	16.29	5.30
05 43 00 00-0079	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	17.44	5.86
05 43 00 00-0080	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	19.29	6.32
05 43 00 00-0081		**Pipe And Rigid Conduit Clamps** *(05 43 00 00-0069)*		
		Note: Includes nylon hardware.		
05 43 00 00-0082	PR	1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.57	2.15
05 43 00 00-0083	PR	3/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	10.96	2.15
05 43 00 00-0084	PR	1" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.01	2.60
05 43 00 00-0085	PR	1-1/4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.63	2.82
05 43 00 00-0086	PR	1-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.26	3.16
05 43 00 00-0087	PR	2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	17.26	3.16
05 43 00 00-0088	PR	2-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	25.30	5.30
05 43 00 00-0089	PR	3" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	26.06	5.30
05 43 00 00-0090	PR	3-1/2" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	27.36	5.86
05 43 00 00-0091	PR	4" Diameter, Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	30.58	6.32

05 44 Cold-Formed Metal Trusses *(05 40)*

05 44 13 Cold-Formed Metal Roof Trusses *(05 44)*

05 44 13 00-0001		**Metal Trusses** *(05 44 13)*		
05 44 13 00-0002		**4:12 Pitch Metal Trusses** *(05 44 13 00-0001)*		
05 44 13 00-0003	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	775.48	120.63
		For 4" Chords, Deduct	*-165.44*	
		For 14 Gauge, Add	*200.59*	
		For 16 Gauge, Add	*84.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 44 13 00-0004	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	813.12	121.69
		For 4" Chords, Deduct	*-177.06*	
		For 14 Gauge, Add	*211.91*	
		For 16 Gauge, Add	*89.94*	
05 44 13 00-0005	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	842.16	122.75
		For 4" Chords, Deduct	*-185.85*	
		For 14 Gauge, Add	*220.56*	
		For 16 Gauge, Add	*94.24*	
05 44 13 00-0006	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	894.85	128.82
		For 4" Chords, Deduct	*-198.68*	
		For 14 Gauge, Add	*234.89*	
		For 16 Gauge, Add	*100.66*	
05 44 13 00-0007	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	938.92	134.91
		For 4" Chords, Deduct	*-208.67*	
		For 14 Gauge, Add	*246.55*	
		For 16 Gauge, Add	*105.71*	
05 44 13 00-0008	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	968.62	136.18
		For 4" Chords, Deduct	*-217.51*	
		For 14 Gauge, Add	*255.33*	
		For 16 Gauge, Add	*110.04*	
05 44 13 00-0009	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,006.93	137.47
		For 4" Chords, Deduct	*-229.19*	
		For 14 Gauge, Add	*266.78*	
		For 16 Gauge, Add	*115.74*	
05 44 13 00-0010	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,053.41	144.35
		For 4" Chords, Deduct	*-239.37*	
		For 14 Gauge, Add	*278.92*	
		For 16 Gauge, Add	*120.91*	
05 44 13 00-0011	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,108.48	151.21
		For 4" Chords, Deduct	*-252.39*	
		For 14 Gauge, Add	*293.73*	
		For 16 Gauge, Add	*127.46*	
05 44 13 00-0012	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,154.96	158.10
		For 4" Chords, Deduct	*-262.57*	
		For 14 Gauge, Add	*305.87*	
		For 16 Gauge, Add	*132.63*	
05 44 13 00-0013	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 4:12 Pitch	1,210.03	164.95
		For 4" Chords, Deduct	*-275.59*	
		For 14 Gauge, Add	*320.67*	
		For 16 Gauge, Add	*139.17*	
05 44 13 00-0014		5:12 To 6:12 Pitch Metal Trusses *(05 44 13 00-0001)*		
05 44 13 00-0015	EA	28' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	924.21	150.10
		For 4" Chords, Deduct	*-192.41*	
		For 14 Gauge, Add	*236.97*	
		For 16 Gauge, Add	*98.34*	
05 44 13 00-0016	EA	30' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	962.99	151.55
		For 4" Chords, Deduct	*-204.13*	
		For 14 Gauge, Add	*248.52*	
		For 16 Gauge, Add	*104.07*	
05 44 13 00-0017	EA	32' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,001.75	152.97
		For 4" Chords, Deduct	*-215.85*	
		For 14 Gauge, Add	*260.06*	
		For 16 Gauge, Add	*109.80*	
05 44 13 00-0018	EA	34' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,066.42	163.04
		For 4" Chords, Deduct	*-229.64*	
		For 14 Gauge, Add	*276.79*	
		For 16 Gauge, Add	*116.82*	
05 44 13 00-0019	EA	36' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,131.08	173.11
		For 4" Chords, Deduct	*-243.43*	
		For 14 Gauge, Add	*293.51*	
		For 16 Gauge, Add	*123.85*	
05 44 13 00-0020	EA	38' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,054.78	174.93
		For 4" Chords, Deduct	*-245.94*	
		For 14 Gauge, Add	*282.04*	
		For 16 Gauge, Add	*123.82*	
05 44 13 00-0021	EA	40' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,210.94	176.74
		For 4" Chords, Deduct	*-267.05*	
		For 14 Gauge, Add	*317.07*	
		For 16 Gauge, Add	*135.42*	
05 44 13 00-0022	EA	42' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,271.91	185.58
		For 4" Chords, Deduct	*-280.54*	
		For 14 Gauge, Add	*333.05*	
		For 16 Gauge, Add	*142.26*	
05 44 13 00-0023	EA	44' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,332.90	194.43
		For 4" Chords, Deduct	*-294.04*	
		For 14 Gauge, Add	*349.04*	
		For 16 Gauge, Add	*149.10*	
05 44 13 00-0024	EA	46' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,393.87	203.26
		For 4" Chords, Deduct	*-307.53*	
		For 14 Gauge, Add	*365.02*	
		For 16 Gauge, Add	*155.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 44 13 00-0025	EA	48' Metal Trusses, 18 Gauge, 6" Chords, 5:12 To 6:12 Pitch	1,454.85	212.10
		For 4" Chords, Deduct	*-321.03*	
		For 14 Gauge, Add	*381.01*	
		For 16 Gauge, Add	*162.78*	

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,070.75	53.02
		For Closed Riser, Add	*123.70*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,216.70	62.18
		For Closed Riser, Add	*140.41*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,355.23	72.84
		For Closed Riser, Add	*156.07*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	90.31	5.83

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	519.74	46.62
		For Closed Riser, Add	*62.44*	
		For Galvanized Steel, Add	*106.63*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	554.03	53.61
		For Closed Riser, Add	*66.13*	
		For Galvanized Steel, Add	*111.70*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	613.30	62.93
		For Closed Riser, Add	*72.81*	
		For Galvanized Steel, Add	*121.86*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	96.42	5.83

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	95.44	13.99
		For Galvanized Steel, Add	*12.89*	
		For Aluminum, Add	*25.78*	
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	108.51	13.99
		For Galvanized Steel, Add	*16.16*	
		For Aluminum, Add	*32.32*	
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	224.08	23.31
		For Galvanized Steel, Add	*37.45*	
		For Aluminum, Add	*74.89*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	250.21	23.31
		For Galvanized Steel, Add	*43.98*	
		For Aluminum, Add	*87.96*	

05 51 33 13-0006 Vertical Ladders Options *(05 51 33 13)*

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	372.98	43.70
		For Galvanized Steel, Add	*71.39*	
		For Aluminum, Add	*142.79*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	408.21	46.62
		For Galvanized Steel, Add	*78.74*	
		For Aluminum, Add	*157.49*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	437.42	14.57
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,189.02	87.41
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,421.84	101.98
05 51 33 13-0012	EA	Safety Chain Attachment	216.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0013		Welded Steel Ladder Cages *(05 51 33 13)* Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		Powder Coated, Welded Steel Ladder Cages *(05 51 33 13-0013)*		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,027.14	174.82
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,199.78	180.64
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,337.42	186.47
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,484.39	192.31
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,570.71	198.13
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,710.68	203.96
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,834.33	209.79
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,995.31	215.61
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,151.61	221.44
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,279.91	227.27
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,436.23	233.09
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,587.86	238.92
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,737.18	244.75
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,007.81	250.57
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,089.45	256.40
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,229.42	262.24
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,357.73	268.06
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,476.71	273.89
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,740.34	279.72
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,882.65	285.54
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,015.63	291.37
05 51 33 13-0036		Welded Stainless Steel Ladder Cages *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	4,997.18	174.82
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	5,337.80	180.64
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	5,904.73	186.47
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	6,184.69	192.31
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	6,420.32	198.13
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	6,732.94	203.96
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	7,295.22	209.79
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	7,579.85	215.61
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	7,873.80	221.44
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	8,195.76	227.27
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	8,769.69	233.09
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	9,056.65	238.92
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	9,329.62	244.75
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	9,782.23	250.57
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	10,290.83	256.40
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	10,573.12	262.24
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	10,862.41	268.06
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	11,133.04	273.89
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	11,828.29	279.72
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	12,098.93	285.54
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	12,376.56	291.37
05 51 33 13-0058		Vertical Ladder Fall Protection System *(05 51 33 13)*		
05 51 33 13-0059	EA	For 20' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30914-00)	1,232.68	78.54
05 51 33 13-0060	EA	For 40' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30915-00)	1,358.59	85.67
05 51 33 13-0061	EA	For 60' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30916-00)	1,541.80	92.81
05 51 33 13-0062	EA	For 80' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30917-00)	1,725.76	99.96
05 51 33 13-0063	EA	For 100' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30918-00)	1,966.32	107.09
05 51 33 13-0064	EA	For 120' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30919-00)	2,155.00	114.23
05 51 33 13-0065	EA	For 140' Ladders, Vertical Ladder Fall Protection System With 5'-6" Galvanized Extension Post (MSA Latchways® 30920-00)	2,360.28	121.37
05 51 33 13-0066	EA	For 20' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30924-00)	732.05	71.39
05 51 33 13-0067	EA	For 40' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30925-00)	861.82	78.54
05 51 33 13-0068	EA	For 60' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30906-00)	1,023.85	85.67
05 51 33 13-0069	EA	For 80' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30907-00)	1,274.58	92.81
05 51 33 13-0070	EA	For 100' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30908-00)	1,431.13	99.96
05 51 33 13-0071	EA	For 120' Ladders, Vertical Ladder Fall Protection System (MSA Latchways® 30909-00)	1,552.30	107.09
05 51 33 13-0072	EA	Ladder Latch Device For Vertical Ladder Fall Protection System (MSA Latchways® 3104L-00)	590.42	17.85
05 51 33 16		**Inclined Metal Ladders** *(05 51 33)*		
05 51 33 16-0001		Industrial Ship Ladder, Incline Stairs *(05 51 33 16)* Note: Includes factory prime.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	371.82	58.28
		For Aluminum, Add	*127.64*	

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,911.54	174.82
		For Stainless Steel, Add	*279.46*	
		For Primed Steel, Deduct	*-232.88*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,345.69	185.31
		For Stainless Steel, Add	*340.51*	
		For Primed Steel, Deduct	*-265.60*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,731.19	185.31
		For Stainless Steel, Add	*404.25*	
		For Primed Steel, Deduct	*-295.41*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	4,243.13	232.86
		For Stainless Steel, Add	*467.93*	
		For Primed Steel, Deduct	*-320.62*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,671.55	241.12
		For Stainless Steel, Add	*541.49*	
		For Primed Steel, Deduct	*-348.10*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	5,012.18	241.12
		For Stainless Steel, Add	*610.22*	
		For Primed Steel, Deduct	*-368.24*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,500.77	268.95
		For Stainless Steel, Add	*690.64*	
		For Primed Steel, Deduct	*-391.36*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,882.41	268.95
		For Stainless Steel, Add	*772.81*	
		For Primed Steel, Deduct	*-411.34*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	6,179.34	268.95
		For Stainless Steel, Add	*845.25*	
		For Primed Steel, Deduct	*-422.63*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	39.96	11.65
		For Schedule 80 Handrail, Add	*5.02*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.66*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.16*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.49*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.49*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.22*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*14.65*	
		For Aluminum, Satin Finish, Add	*6.99*	
		For Aluminum, Clear Anodized Finish, Add	*10.82*	
		For Aluminum, Dark Anodized Finish, Add	*12.49*	
		For Galvanizing, Add	*6.66*	
		For Wrought Iron, Add	*4.00*	
		For Solid Steel Rails, Add	*7.99*	
		For 304 Stainless Steel, Add	*53.28*	
		For 316 Stainless Steel, Add	*59.94*	
		For 2" Wheel Guard, Add	*1.58*	
		For 4" High Kick Plate, Add	*2.08*	
		For 6" High Kick Plate, Add	*3.33*	
		For Curved Rail, Add	*16.98*	
		For Mounting On Stairs, Add	*11.99*	
		For Mounting On Slopes, Add	*4.00*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*14.15*	
		For Nylon Coating, Add	*2.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	42.83	11.65
		For Schedule 80 Handrail, Add	*7.85*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.29*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.88*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.44*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.61*	
		For ADA Handrail P-Loop End Return, Add Per Each	*97.85*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.37*	
		For Aluminum, Satin Finish, Add	*8.20*	
		For Aluminum, Clear Anodized Finish, Add	*12.69*	
		For Aluminum, Dark Anodized Finish, Add	*14.64*	
		For Galvanizing, Add	*7.81*	
		For Wrought Iron, Add	*4.28*	
		For Solid Steel Rails, Add	*8.57*	
		For 304 Stainless Steel, Add	*62.46*	
		For 316 Stainless Steel, Add	*70.27*	
		For 2" Wheel Guard, Add	*1.85*	
		For 4" High Kick Plate, Add	*2.44*	
		For 6" High Kick Plate, Add	*3.90*	
		For Curved Rail, Add	*18.71*	
		For Mounting On Stairs, Add	*12.85*	
		For Mounting On Slopes, Add	*4.28*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*15.59*	
		For Nylon Coating, Add	*2.93*	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	45.69	11.65
		For Schedule 80 Handrail, Add	*7.85*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.92*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.60*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.39*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.73*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.29*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.09*	
		For Aluminum, Satin Finish, Add	*9.40*	
		For Aluminum, Clear Anodized Finish, Add	*14.55*	
		For Aluminum, Dark Anodized Finish, Add	*16.79*	
		For Galvanizing, Add	*8.95*	
		For Wrought Iron, Add	*4.57*	
		For Solid Steel Rails, Add	*9.14*	
		For 304 Stainless Steel, Add	*71.62*	
		For 316 Stainless Steel, Add	*80.57*	
		For 2" Wheel Guard, Add	*2.13*	
		For 4" High Kick Plate, Add	*2.80*	
		For 6" High Kick Plate, Add	*4.48*	
		For Curved Rail, Add	*20.42*	
		For Mounting On Stairs, Add	*13.71*	
		For Mounting On Slopes, Add	*4.57*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*17.02*	
		For Nylon Coating, Add	*3.36*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	50.67	11.65
		For Schedule 80 Handrail, Add	*8.99*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.84*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.17*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*21.08*	
		For Aluminum, Satin Finish, Add	*11.49*	
		For Aluminum, Clear Anodized Finish, Add	*17.78*	
		For Aluminum, Dark Anodized Finish, Add	*20.52*	
		For Galvanizing, Add	*10.94*	
		For Wrought Iron, Add	*5.07*	
		For Solid Steel Rails, Add	*10.13*	
		For 304 Stainless Steel, Add	*87.55*	
		For 316 Stainless Steel, Add	*98.50*	
		For 2" Wheel Guard, Add	*2.60*	
		For 4" High Kick Plate, Add	*3.42*	
		For 6" High Kick Plate, Add	*5.47*	
		For Curved Rail, Add	*23.41*	
		For Mounting On Stairs, Add	*15.20*	
		For Mounting On Slopes, Add	*5.07*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*19.51*	
		For Nylon Coating, Add	*4.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	56.63	11.65
		For Schedule 80 Handrail, Add	*10.15*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.33*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.33*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.99*	
		For ADA Handrail P-Loop End Return, Add Per Each	*181.99*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*24.65*	
		For Aluminum, Satin Finish, Add	*13.99*	
		For Aluminum, Clear Anodized Finish, Add	*21.66*	
		For Aluminum, Dark Anodized Finish, Add	*24.99*	
		For Galvanizing, Add	*13.33*	
		For Wrought Iron, Add	*5.66*	
		For Solid Steel Rails, Add	*11.33*	
		For 304 Stainless Steel, Add	*106.62*	
		For 316 Stainless Steel, Add	*119.95*	
		For 2" Wheel Guard, Add	*3.17*	
		For 4" High Kick Plate, Add	*4.17*	
		For 6" High Kick Plate, Add	*6.66*	
		For Curved Rail, Add	*26.99*	
		For Mounting On Stairs, Add	*16.99*	
		For Mounting On Slopes, Add	*5.66*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.49*	
		For Nylon Coating, Add	*5.00*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	52.44	11.65
		For Schedule 80 Handrail, Add	*5.02*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.41*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.28*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.36*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.22*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*14.65*	
		For Aluminum, Satin Finish, Add	*12.23*	
		For Aluminum, Clear Anodized Finish, Add	*18.93*	
		For Aluminum, Dark Anodized Finish, Add	*21.85*	
		For Galvanizing, Add	*11.65*	
		For Wrought Iron, Add	*5.24*	
		For Solid Steel Rails, Add	*10.49*	
		For 304 Stainless Steel, Add	*93.22*	
		For 316 Stainless Steel, Add	*104.87*	
		For 2" Wheel Guard, Add	*2.77*	
		For 4" High Kick Plate, Add	*3.64*	
		For 6" High Kick Plate, Add	*5.83*	
		For Curved Rail, Add	*24.47*	
		For Mounting On Stairs, Add	*15.73*	
		For Mounting On Slopes, Add	*5.24*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*20.39*	
		For Nylon Coating, Add	*4.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	57.46	11.65
		For Schedule 80 Handrail, Add	*7.85*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.51*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.54*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.27*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.32*	
		For ADA Handrail P-Loop End Return, Add Per Each	*97.85*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.37*	
		For Aluminum, Satin Finish, Add	*14.34*	
		For Aluminum, Clear Anodized Finish, Add	*22.20*	
		For Aluminum, Dark Anodized Finish, Add	*25.61*	
		For Galvanizing, Add	*13.66*	
		For Wrought Iron, Add	*5.75*	
		For Solid Steel Rails, Add	*11.49*	
		For 304 Stainless Steel, Add	*109.28*	
		For 316 Stainless Steel, Add	*122.94*	
		For 2" Wheel Guard, Add	*3.24*	
		For 4" High Kick Plate, Add	*4.27*	
		For 6" High Kick Plate, Add	*6.83*	
		For Curved Rail, Add	*27.48*	
		For Mounting On Stairs, Add	*17.24*	
		For Mounting On Slopes, Add	*5.75*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.90*	
		For Nylon Coating, Add	*5.12*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	62.48	11.65
		For Schedule 80 Handrail, Add	*7.85*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.62*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.79*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.93*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.28*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.29*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.09*	
		For Aluminum, Satin Finish, Add	*16.45*	
		For Aluminum, Clear Anodized Finish, Add	*25.46*	
		For Aluminum, Dark Anodized Finish, Add	*29.38*	
		For Galvanizing, Add	*15.67*	
		For Wrought Iron, Add	*6.25*	
		For Solid Steel Rails, Add	*12.50*	
		For 304 Stainless Steel, Add	*125.34*	
		For 316 Stainless Steel, Add	*141.01*	
		For 2" Wheel Guard, Add	*3.72*	
		For 4" High Kick Plate, Add	*4.90*	
		For 6" High Kick Plate, Add	*7.83*	
		For Curved Rail, Add	*30.50*	
		For Mounting On Stairs, Add	*18.74*	
		For Mounting On Slopes, Add	*6.25*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*25.41*	
		For Nylon Coating, Add	*5.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	71.18	11.65
		For Schedule 80 Handrail, Add	*8.99*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.72*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.55*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.53*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.97*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.80*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.17*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*21.08*	
		For Aluminum, Satin Finish, Add	*20.11*	
		For Aluminum, Clear Anodized Finish, Add	*31.12*	
		For Aluminum, Dark Anodized Finish, Add	*35.90*	
		For Galvanizing, Add	*19.15*	
		For Wrought Iron, Add	*7.12*	
		For Solid Steel Rails, Add	*14.24*	
		For 304 Stainless Steel, Add	*153.18*	
		For 316 Stainless Steel, Add	*172.33*	
		For 2" Wheel Guard, Add	*4.55*	
		For 4" High Kick Plate, Add	*5.98*	
		For 6" High Kick Plate, Add	*9.57*	
		For Curved Rail, Add	*35.72*	
		For Mounting On Stairs, Add	*21.35*	
		For Mounting On Slopes, Add	*7.12*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*29.76*	
		For Nylon Coating, Add	*7.18*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	81.62	11.65
		For Schedule 80 Handrail, Add	*10.15*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.72*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.55*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*136.89*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.83*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.24*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.74*	
		For ADA Handrail P-Loop End Return, Add Per Each	*181.99*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*24.65*	
		For Aluminum, Satin Finish, Add	*24.49*	
		For Aluminum, Clear Anodized Finish, Add	*37.90*	
		For Aluminum, Dark Anodized Finish, Add	*43.73*	
		For Galvanizing, Add	*23.32*	
		For Wrought Iron, Add	*8.16*	
		For Solid Steel Rails, Add	*16.32*	
		For 304 Stainless Steel, Add	*186.59*	
		For 316 Stainless Steel, Add	*209.92*	
		For 2" Wheel Guard, Add	*5.54*	
		For 4" High Kick Plate, Add	*7.29*	
		For 6" High Kick Plate, Add	*11.66*	
		For Curved Rail, Add	*41.98*	
		For Mounting On Stairs, Add	*24.49*	
		For Mounting On Slopes, Add	*8.16*	
		For Post Base Flange With Screws, Add Per Post	*19.83*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.00*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*34.98*	
		For Nylon Coating, Add	*8.75*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*
Note: Includes factory primed posts and three rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	81.50	13.99
		For Schedule 80 Handrail, Add	*7.29*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.38*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.66*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.88*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.22*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*15.58*	
		For Aluminum, Satin Finish, Add	*22.48*	
		For Aluminum, Clear Anodized Finish, Add	*34.79*	
		For Aluminum, Dark Anodized Finish, Add	*40.15*	
		For Galvanizing, Add	*21.41*	
		For Wrought Iron, Add	*8.15*	
		For Solid Steel Rails, Add	*16.30*	
		For 304 Stainless Steel, Add	*171.30*	
		For 316 Stainless Steel, Add	*192.71*	
		For 2" Wheel Guard, Add	*5.09*	
		For 4" High Kick Plate, Add	*6.69*	
		For 6" High Kick Plate, Add	*10.71*	
		For Curved Rail, Add	*40.51*	
		For Mounting On Stairs, Add	*24.45*	
		For Mounting On Slopes, Add	*8.15*	
		For Post Base Flange With Screws, Add Per Post	*20.30*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.70*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*33.76*	
		For Nylon Coating, Add	*8.03*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	90.71	13.99
		For Schedule 80 Handrail, Add	*11.06*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.80*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.70*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.47*	
		For ADA Handrail P-Loop End Return, Add Per Each	*97.85*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*17.30*	
		For Aluminum, Satin Finish, Add	*26.35*	
		For Aluminum, Clear Anodized Finish, Add	*40.78*	
		For Aluminum, Dark Anodized Finish, Add	*47.06*	
		For Galvanizing, Add	*25.10*	
		For Wrought Iron, Add	*9.07*	
		For Solid Steel Rails, Add	*18.14*	
		For 304 Stainless Steel, Add	*200.77*	
		For 316 Stainless Steel, Add	*225.86*	
		For 2" Wheel Guard, Add	*5.96*	
		For 4" High Kick Plate, Add	*7.84*	
		For 6" High Kick Plate, Add	*12.55*	
		For Curved Rail, Add	*46.04*	
		For Mounting On Stairs, Add	*27.21*	
		For Mounting On Slopes, Add	*9.07*	
		For Post Base Flange With Screws, Add Per Post	*20.30*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.70*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*38.36*	
		For Nylon Coating, Add	*9.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	99.93	13.99
		For Schedule 80 Handrail, Add	*11.06*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.83*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.99*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.75*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.06*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.29*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*19.02*	
		For Aluminum, Satin Finish, Add	*30.22*	
		For Aluminum, Clear Anodized Finish, Add	*46.77*	
		For Aluminum, Dark Anodized Finish, Add	*53.97*	
		For Galvanizing, Add	*28.78*	
		For Wrought Iron, Add	*9.99*	
		For Solid Steel Rails, Add	*19.99*	
		For 304 Stainless Steel, Add	*230.27*	
		For 316 Stainless Steel, Add	*259.06*	
		For 2" Wheel Guard, Add	*6.84*	
		For 4" High Kick Plate, Add	*9.00*	
		For 6" High Kick Plate, Add	*14.39*	
		For Curved Rail, Add	*51.57*	
		For Mounting On Stairs, Add	*29.98*	
		For Mounting On Slopes, Add	*9.99*	
		For Post Base Flange With Screws, Add Per Post	*20.30*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.70*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*42.97*	
		For Nylon Coating, Add	*10.79*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	115.95	13.99
		For Schedule 80 Handrail, Add	*12.59*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.72*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.55*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.36*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-22.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-29.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.31*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.17*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*22.01*	
		For Aluminum, Satin Finish, Add	*36.95*	
		For Aluminum, Clear Anodized Finish, Add	*57.19*	
		For Aluminum, Dark Anodized Finish, Add	*65.99*	
		For Galvanizing, Add	*35.19*	
		For Wrought Iron, Add	*11.60*	
		For Solid Steel Rails, Add	*23.19*	
		For 304 Stainless Steel, Add	*281.54*	
		For 316 Stainless Steel, Add	*316.73*	
		For 2" Wheel Guard, Add	*8.36*	
		For 4" High Kick Plate, Add	*11.00*	
		For 6" High Kick Plate, Add	*17.60*	
		For Curved Rail, Add	*61.18*	
		For Mounting On Stairs, Add	*34.79*	
		For Mounting On Slopes, Add	*11.60*	
		For Post Base Flange With Screws, Add Per Post	*20.30*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.70*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*50.98*	
		For Nylon Coating, Add	*13.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	135.02	13.99
		For Schedule 80 Handrail, Add	*14.13*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.72*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.55*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*136.89*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.55*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.33*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.75*	
		For ADA Handrail P-Loop End Return, Add Per Each	*181.99*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*25.58*	
		For Aluminum, Satin Finish, Add	*44.96*	
		For Aluminum, Clear Anodized Finish, Add	*69.58*	
		For Aluminum, Dark Anodized Finish, Add	*80.29*	
		For Galvanizing, Add	*42.82*	
		For Wrought Iron, Add	*13.50*	
		For Solid Steel Rails, Add	*27.00*	
		For 304 Stainless Steel, Add	*342.56*	
		For 316 Stainless Steel, Add	*385.38*	
		For 2" Wheel Guard, Add	*10.17*	
		For 4" High Kick Plate, Add	*13.38*	
		For 6" High Kick Plate, Add	*21.41*	
		For Curved Rail, Add	*72.62*	
		For Mounting On Stairs, Add	*40.51*	
		For Mounting On Slopes, Add	*13.50*	
		For Post Base Flange With Screws, Add Per Post	*20.30*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.70*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*60.52*	
		For Nylon Coating, Add	*16.06*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and four rails.

05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	98.33	16.32
		For Schedule 80 Handrail, Add	*9.87*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.45*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.42*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.68*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.62*	
		For ADA Handrail P-Loop End Return, Add Per Each	*82.22*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*16.52*	
		For Aluminum, Satin Finish, Add	*27.59*	
		For Aluminum, Clear Anodized Finish, Add	*42.70*	
		For Aluminum, Dark Anodized Finish, Add	*49.27*	
		For Galvanizing, Add	*26.28*	
		For Wrought Iron, Add	*9.83*	
		For Solid Steel Rails, Add	*19.67*	
		For 304 Stainless Steel, Add	*210.21*	
		For 316 Stainless Steel, Add	*236.48*	
		For 2" Wheel Guard, Add	*6.24*	
		For 4" High Kick Plate, Add	*8.21*	
		For 6" High Kick Plate, Add	*13.14*	
		For Curved Rail, Add	*49.21*	
		For Mounting On Stairs, Add	*29.50*	
		For Mounting On Slopes, Add	*9.83*	
		For Post Base Flange With Screws, Add Per Post	*20.76*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.40*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*41.01*	
		For Nylon Coating, Add	*9.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	106.52	16.32
		For Schedule 80 Handrail, Add	*14.58*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.25*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.47*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.38*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.81*	
		For ADA Handrail P-Loop End Return, Add Per Each	*97.85*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*18.24*	
		For Aluminum, Satin Finish, Add	*31.03*	
		For Aluminum, Clear Anodized Finish, Add	*48.02*	
		For Aluminum, Dark Anodized Finish, Add	*55.41*	
		For Galvanizing, Add	*29.55*	
		For Wrought Iron, Add	*10.65*	
		For Solid Steel Rails, Add	*21.30*	
		For 304 Stainless Steel, Add	*236.42*	
		For 316 Stainless Steel, Add	*265.97*	
		For 2" Wheel Guard, Add	*7.02*	
		For 4" High Kick Plate, Add	*9.24*	
		For 6" High Kick Plate, Add	*14.78*	
		For Curved Rail, Add	*54.12*	
		For Mounting On Stairs, Add	*31.96*	
		For Mounting On Slopes, Add	*10.65*	
		For Post Base Flange With Screws, Add Per Post	*20.76*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.40*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*45.10*	
		For Nylon Coating, Add	*11.08*	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	114.70	16.32
		For Schedule 80 Handrail, Add	*14.58*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.52*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.08*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-32.00*	
		For ADA Handrail P-Loop End Return, Add Per Each	*110.29*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*19.96*	
		For Aluminum, Satin Finish, Add	*34.47*	
		For Aluminum, Clear Anodized Finish, Add	*53.34*	
		For Aluminum, Dark Anodized Finish, Add	*61.55*	
		For Galvanizing, Add	*32.82*	
		For Wrought Iron, Add	*11.47*	
		For Solid Steel Rails, Add	*22.94*	
		For 304 Stainless Steel, Add	*262.59*	
		For 316 Stainless Steel, Add	*295.42*	
		For 2" Wheel Guard, Add	*7.80*	
		For 4" High Kick Plate, Add	*10.26*	
		For 6" High Kick Plate, Add	*16.41*	
		For Curved Rail, Add	*59.03*	
		For Mounting On Stairs, Add	*34.41*	
		For Mounting On Slopes, Add	*11.47*	
		For Post Base Flange With Screws, Add Per Post	*20.76*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.40*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*49.19*	
		For Nylon Coating, Add	*12.31*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	132.93	16.32
		For Schedule 80 Handrail, Add	*16.48*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.72*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.55*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-22.06*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-25.07*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-33.10*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-39.11*	
		For ADA Handrail P-Loop End Return, Add Per Each	*133.17*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*22.95*	
		For Aluminum, Satin Finish, Add	*42.12*	
		For Aluminum, Clear Anodized Finish, Add	*65.19*	
		For Aluminum, Dark Anodized Finish, Add	*75.22*	
		For Galvanizing, Add	*40.12*	
		For Wrought Iron, Add	*13.29*	
		For Solid Steel Rails, Add	*26.59*	
		For 304 Stainless Steel, Add	*320.93*	
		For 316 Stainless Steel, Add	*361.04*	
		For 2" Wheel Guard, Add	*9.53*	
		For 4" High Kick Plate, Add	*12.54*	
		For 6" High Kick Plate, Add	*20.06*	
		For Curved Rail, Add	*69.97*	
		For Mounting On Stairs, Add	*39.88*	
		For Mounting On Slopes, Add	*13.29*	
		For Post Base Flange With Screws, Add Per Post	*20.76*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.40*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*58.31*	
		For Nylon Coating, Add	*15.04*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	154.29	16.32
		For Schedule 80 Handrail, Add	*18.41*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*59.91*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*44.16*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*28.39*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*71.17*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*52.45*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.73*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*93.52*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*68.92*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*44.31*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*93.35*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*68.96*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*106.72*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*77.55*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*134.72*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*95.55*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*136.89*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.76*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.41*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-40.14*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.44*	
		For ADA Handrail P-Loop End Return, Add Per Each	*181.99*	
		For Additional Off Set Handrail And Brackets, ADA Attachment, Add	*26.52*	
		For Aluminum, Satin Finish, Add	*51.09*	
		For Aluminum, Clear Anodized Finish, Add	*79.07*	
		For Aluminum, Dark Anodized Finish, Add	*91.24*	
		For Galvanizing, Add	*48.66*	
		For Wrought Iron, Add	*15.43*	
		For Solid Steel Rails, Add	*30.86*	
		For 304 Stainless Steel, Add	*389.28*	
		For 316 Stainless Steel, Add	*437.94*	
		For 2" Wheel Guard, Add	*11.56*	
		For 4" High Kick Plate, Add	*15.21*	
		For 6" High Kick Plate, Add	*24.33*	
		For Curved Rail, Add	*82.78*	
		For Mounting On Stairs, Add	*46.29*	
		For Mounting On Slopes, Add	*15.43*	
		For Post Base Flange With Screws, Add Per Post	*20.76*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.40*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*68.99*	
		For Nylon Coating, Add	*18.25*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*
Note: Includes field welds and touch-up of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0027		**Wire Mesh Or Welded Wire Mesh, Railing Infill Panels** *(05 52 13 00-0026)*		
		Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.81	
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.79	
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.65	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.85	
05 52 13 00-0032		**Perforated Metal, Railing Infill Panels** *(05 52 13 00-0026)*		
05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.51	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	16.03	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	17.16	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	34.45	
05 52 13 00-0037		**Expanded Metal, Railing Infill Panels** *(05 52 13 00-0026)*		
05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	7.00	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	14.30	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	18.77	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	27.99	
05 52 13 00-0042		**Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** *(05 52 13)*		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.78	6.99
		For Schedule 80 Handrail, Add	*2.74*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.91*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.36*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.70*	
		For Stainless Steel, Add	*44.60*	
		For Aluminum, Satin Finish, Add	*9.37*	
		For Curved Rail, Add	*11.93*	
		For Aluminum, Clear Anodized Finish, Add	*14.50*	
		For Aluminum, Dark Anodized Finish, Add	*16.73*	
		For Galvanized Finish, Add	*6.69*	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.50	6.99
		For Schedule 80 Handrail, Add	*3.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.06*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.60*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.98*	
		For Stainless Steel, Add	*46.04*	
		For Aluminum, Satin Finish, Add	*9.67*	
		For Curved Rail, Add	*12.15*	
		For Aluminum, Clear Anodized Finish, Add	*14.96*	
		For Aluminum, Dark Anodized Finish, Add	*17.27*	
		For Galvanized Finish, Add	*6.91*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	41.22	6.99
		For Schedule 80 Handrail, Add	*9.49*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.22*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.83*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.26*	
		For Stainless Steel, Add	*47.48*	
		For Aluminum, Satin Finish, Add	*9.97*	
		For Curved Rail, Add	*12.37*	
		For Aluminum, Clear Anodized Finish, Add	*15.43*	
		For Aluminum, Dark Anodized Finish, Add	*17.81*	
		For Galvanized Finish, Add	*7.12*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.49	6.99
		For Schedule 80 Handrail, Add	*4.07*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.04*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.56*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.48*	
		For Stainless Steel, Add	*64.02*	
		For Aluminum, Satin Finish, Add	*13.44*	
		For Curved Rail, Add	*14.85*	
		For Aluminum, Clear Anodized Finish, Add	*20.81*	
		For Aluminum, Dark Anodized Finish, Add	*24.01*	
		For Galvanized Finish, Add	*9.60*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	56.33	6.99
		For Schedule 80 Handrail, Add	*4.45*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.55*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.71*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.82*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.15*	
		For Stainless Steel, Add	*77.70*	
		For Aluminum, Satin Finish, Add	*16.32*	
		For Curved Rail, Add	*16.90*	
		For Aluminum, Clear Anodized Finish, Add	*25.25*	
		For Aluminum, Dark Anodized Finish, Add	*29.14*	
		For Galvanized Finish, Add	*11.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0048		Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.23	7.35
		For Schedule 80 Handrail, Add	*2.74*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.77*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.69*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.15*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.99*	
		For Stainless Steel, Add	*61.50*	
		For Aluminum, Satin Finish, Add	*12.92*	
		For Curved Rail, Add	*14.47*	
		For Aluminum, Clear Anodized Finish, Add	*19.99*	
		For Aluminum, Dark Anodized Finish, Add	*23.06*	
		For Galvanized Finish, Add	*9.23*	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.24	7.35
		For Schedule 80 Handrail, Add	*3.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.99*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.48*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.39*	
		For Stainless Steel, Add	*63.52*	
		For Aluminum, Satin Finish, Add	*13.34*	
		For Curved Rail, Add	*14.77*	
		For Aluminum, Clear Anodized Finish, Add	*20.64*	
		For Aluminum, Dark Anodized Finish, Add	*23.82*	
		For Galvanized Finish, Add	*9.53*	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	50.00	7.35
		For Schedule 80 Handrail, Add	*9.49*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.15*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.13*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.73*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.68*	
		For Stainless Steel, Add	*65.04*	
		For Aluminum, Satin Finish, Add	*13.66*	
		For Curved Rail, Add	*15.00*	
		For Aluminum, Clear Anodized Finish, Add	*21.14*	
		For Aluminum, Dark Anodized Finish, Add	*24.39*	
		For Galvanized Finish, Add	*9.76*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	61.54	7.35
		For Schedule 80 Handrail, Add	*4.07*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.69*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.02*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.54*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.18*	
		For Stainless Steel, Add	*88.12*	
		For Aluminum, Satin Finish, Add	*18.51*	
		For Curved Rail, Add	*18.46*	
		For Aluminum, Clear Anodized Finish, Add	*28.64*	
		For Aluminum, Dark Anodized Finish, Add	*33.05*	
		For Galvanized Finish, Add	*13.22*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	69.10	7.35
		For Schedule 80 Handrail, Add	*4.45*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.36*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.91*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.03*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.13*	
		For Stainless Steel, Add	*103.24*	
		For Aluminum, Satin Finish, Add	*21.68*	
		For Curved Rail, Add	*20.73*	
		For Aluminum, Clear Anodized Finish, Add	*33.55*	
		For Aluminum, Dark Anodized Finish, Add	*38.72*	
		For Galvanized Finish, Add	*15.49*	
05 52 13 00-0054		Remove/Reinstall Pipe Railing *(05 52 13)*		
05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	26.22	
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	34.95	
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	69.72	
		For Stainless Steel, Add	*69.52*	

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0002		**Steel, Welded Grating** *(05 53 13 00-0001)* Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	14.40	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.97*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.28*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.02*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.30	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.70*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.89*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.14*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.55	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*48.09*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.37*	
		For Crossbars At 2" On-Center, Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.10*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	24.20	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.68*	
		For 304 Stainless Steel, Add	*69.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.32*	
		For Crossbars At 2" On-Center, Add	*2.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.84	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*90.75*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.25*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.43*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.73	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*58.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.30*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.81	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*84.23*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.38*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.92	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*68.53*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.23*	
		For Crossbars At 2" On-Center, Add	*2.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.26*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	34.25	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.29*	
		For 304 Stainless Steel, Add	*99.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.08*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	44.36	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.01*	
		For 304 Stainless Steel, Add	*132.32*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.04*	
		For Crossbars At 2" On-Center, Add	*4.45*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.13*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	39.18	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*115.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.52*	
		For Crossbars At 2" On-Center, Add	*3.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.00*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	43.80	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*130.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.87*	
		For Crossbars At 2" On-Center, Add	*4.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.12*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	48.70	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*146.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.30*	
		For Crossbars At 2" On-Center, Add	*4.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.24*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	53.32	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.53*	
		For 304 Stainless Steel, Add	*161.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.65*	
		For Crossbars At 2" On-Center, Add	*5.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.36*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	27.24	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.05*	
		For 304 Stainless Steel, Add	*46.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.20*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.34*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	33.54	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.50*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	29.93	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*51.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	40.75	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*71.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.36*	
		For Bearing Bars At 15/16" On-Center, Add	*11.15*	
		For Crossbars At 2" On-Center, Add	*4.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.68*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	33.54	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.50*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	45.75	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.08*	
		For 304 Stainless Steel, Add	*80.79*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.61*	
		For Crossbars At 2" On-Center, Add	*4.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.80*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	37.32	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.70*	
		For 304 Stainless Steel, Add	*65.02*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.15*	
		For Crossbars At 2" On-Center, Add	*3.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.59*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	51.57	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.94*	
		For 304 Stainless Steel, Add	*90.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.22*	
		For Bearing Bars At 15/16" On-Center, Add	*14.14*	
		For Crossbars At 2" On-Center, Add	*5.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.31*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	56.85	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*100.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.68*	
		For Crossbars At 2" On-Center, Add	*5.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.45*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	61.16	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.52*	
		For 304 Stainless Steel, Add	*108.56*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.94*	
		For Crossbars At 2" On-Center, Add	*6.27*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.55*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	65.29	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.19*	
		For 304 Stainless Steel, Add	*116.28*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.15*	
		For Crossbars At 2" On-Center, Add	*6.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.66*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	68.86	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.78*	
		For 304 Stainless Steel, Add	*122.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.19*	
		For Crossbars At 2" On-Center, Add	*7.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.75*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	17.20	1.28
		For Bearing Bars At 15/16" On-Center, Add	*4.27*	
		For Crossbars At 2" On-Center, Add	*1.58*	
		For Set In Place Without Bolting, Deduct	*-2.09*	
		For Powder Coating, Add	*2.19*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	23.19	1.28
		For Bearing Bars At 15/16" On-Center, Add	*6.02*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Set In Place Without Bolting, Deduct	*-2.24*	
		For Powder Coating, Add	*3.09*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	21.90	1.28
		For Bearing Bars At 15/16" On-Center, Add	*5.64*	
		For Crossbars At 2" On-Center, Add	*2.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.21*	
		For Powder Coating, Add	*2.90*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	29.65	1.28
		For Bearing Bars At 7/16" On-Center, Add	*39.27*	
		For Bearing Bars At 15/16" On-Center, Add	*7.91*	
		For Crossbars At 2" On-Center, Add	*2.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.40*	
		For Powder Coating, Add	*4.06*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.31	1.28
		For Bearing Bars At 15/16" On-Center, Add	*6.64*	
		For Crossbars At 2" On-Center, Add	*2.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.29*	
		For Powder Coating, Add	*3.41*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.76	1.28
		For Bearing Bars At 15/16" On-Center, Add	*9.11*	
		For Crossbars At 2" On-Center, Add	*3.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.50*	
		For Powder Coating, Add	*4.68*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.52	1.28
		For Bearing Bars At 15/16" On-Center, Add	*7.58*	
		For Crossbars At 2" On-Center, Add	*2.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.37*	
		For Powder Coating, Add	*3.89*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	38.00	1.28
		For Bearing Bars At 7/16" On-Center, Add	*51.37*	
		For Bearing Bars At 15/16" On-Center, Add	*10.35*	
		For Crossbars At 2" On-Center, Add	*3.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.61*	
		For Powder Coating, Add	*5.31*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.06	1.28
		For Bearing Bars At 15/16" On-Center, Add	*11.53*	
		For Crossbars At 2" On-Center, Add	*4.26*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.71*	
		For Powder Coating, Add	*5.92*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	46.86	1.28
		For Bearing Bars At 15/16" On-Center, Add	*12.93*	
		For Crossbars At 2" On-Center, Add	*4.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.83*	
		For Powder Coating, Add	*6.64*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	50.64	1.28
		For Bearing Bars At 15/16" On-Center, Add	*14.04*	
		For Crossbars At 2" On-Center, Add	*5.19*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.92*	
		For Powder Coating, Add	*7.21*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.13	1.28
		For Bearing Bars At 15/16" On-Center, Add	*15.35*	
		For Crossbars At 2" On-Center, Add	*5.68*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.04*	
		For Powder Coating, Add	*7.88*	

05 53 13 00-0044 **Swage Locked Grating** *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 **Steel, Swage Locked Grating** *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	44.60	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.90*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.77*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	49.78	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*78.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.21*	
		For Crossbars At 2" On-Center, Add	*3.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.90*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	54.40	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.72*	
		For 304 Stainless Steel, Add	*84.99*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.81*	
		For Crossbars At 2" On-Center, Add	*4.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.39*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	62.35	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.45*	
		For 304 Stainless Steel, Add	*98.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.89*	
		For Crossbars At 2" On-Center, Add	*4.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.58*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	70.33	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*111.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*43.00*	
		For Crossbars At 2" On-Center, Add	*5.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.78*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	78.27	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*124.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*48.08*	
		For Crossbars At 2" On-Center, Add	*6.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.98*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	86.25	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.65*	
		For 304 Stainless Steel, Add	*137.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.19*	
		For Crossbars At 2" On-Center, Add	*6.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.18*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	20.25	1.28
		For Bearing Bars At 15/16" On-Center, Add	*11.32*	
		For Crossbars At 2" On-Center, Add	*1.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.16*	
		For Powder Coating, Add	*2.65*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	26.16	1.28
		For Bearing Bars At 15/16" On-Center, Add	*15.10*	
		For Crossbars At 2" On-Center, Add	*1.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.31*	
		For Powder Coating, Add	*3.54*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	22.91	1.28
		For Bearing Bars At 15/16" On-Center, Add	*13.02*	
		For Crossbars At 2" On-Center, Add	*1.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.23*	
		For Powder Coating, Add	*3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	30.14	1.28
		For Bearing Bars At 15/16" On-Center, Add	*17.64*	
		For Crossbars At 2" On-Center, Add	*2.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.41*	
		For Powder Coating, Add	*4.14*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	26.06	1.28
		For Bearing Bars At 15/16" On-Center, Add	*15.03*	
		For Crossbars At 2" On-Center, Add	*1.88*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.31*	
		For Powder Coating, Add	*3.52*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	34.41	1.28
		For Bearing Bars At 15/16" On-Center, Add	*20.38*	
		For Crossbars At 2" On-Center, Add	*2.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.52*	
		For Powder Coating, Add	*4.78*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	39.32	1.28
		For Bearing Bars At 15/16" On-Center, Add	*23.52*	
		For Crossbars At 2" On-Center, Add	*2.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.64*	
		For Powder Coating, Add	*5.51*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	44.20	1.28
		For Bearing Bars At 15/16" On-Center, Add	*26.64*	
		For Crossbars At 2" On-Center, Add	*3.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.76*	
		For Powder Coating, Add	*6.24*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	49.11	1.28
		For Bearing Bars At 15/16" On-Center, Add	*29.79*	
		For Crossbars At 2" On-Center, Add	*3.72*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.89*	
		For Powder Coating, Add	*6.98*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	54.00	1.28
		For Bearing Bars At 15/16" On-Center, Add	*32.92*	
		For Crossbars At 2" On-Center, Add	*4.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-3.01*	
		For Powder Coating, Add	*7.71*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	84.77	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.95*	
		For 304 Stainless Steel, Add	*70.61*	
		For 5/8" Clear Opening, Add	*28.36*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.78*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	99.82	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.67*	
		For 304 Stainless Steel, Add	*83.54*	
		For 5/8" Clear Opening, Add	*33.55*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.15*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	91.70	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.28*	
		For 304 Stainless Steel, Add	*76.56*	
		For 5/8" Clear Opening, Add	*30.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.95*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	105.55	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.94*	
		For 304 Stainless Steel, Add	*88.46*	
		For 5/8" Clear Opening, Add	*35.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.30*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	97.44	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*81.49*	
		For 5/8" Clear Opening, Add	*32.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	116.23	1.28
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*97.63*	
		For 5/8" Clear Opening, Add	*39.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.56*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	103.53	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.82*	
		For 304 Stainless Steel, Add	*86.24*	
		For 5/8" Clear Opening, Add	*34.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.61*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	123.62	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.78*	
		For 304 Stainless Steel, Add	*103.49*	
		For 5/8" Clear Opening, Add	*41.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.12*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	133.87	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.28*	
		For 304 Stainless Steel, Add	*112.30*	
		For 5/8" Clear Opening, Add	*45.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.37*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	156.76	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.37*	
		For 304 Stainless Steel, Add	*131.96*	
		For 5/8" Clear Opening, Add	*53.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.94*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	164.74	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.76*	
		For 304 Stainless Steel, Add	*138.81*	
		For 5/8" Clear Opening, Add	*55.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.14*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	171.84	1.58
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*144.91*	
		For 5/8" Clear Opening, Add	*58.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.32*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	42.94	1.28
		For 5/8" Clear Opening, Add	*13.93*	
		For Powder Coating, Add	*6.06*	
		For Set In Place Without Bolting, Deduct	*-2.73*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	50.92	1.28
		For 5/8" Clear Opening, Add	*16.68*	
		For Powder Coating, Add	*7.25*	
		For Set In Place Without Bolting, Deduct	*-2.93*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	47.20	1.28
		For 5/8" Clear Opening, Add	*15.40*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.69*	
		For Set In Place Without Bolting, Deduct	*-2.84*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	55.00	1.28
		For 5/8" Clear Opening, Add	*18.09*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.86*	
		For Set In Place Without Bolting, Deduct	*-3.03*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	52.91	1.28
		For 5/8" Clear Opening, Add	*17.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.55*	
		For Set In Place Without Bolting, Deduct	*-2.98*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	63.74	1.28
		For 5/8" Clear Opening, Add	*21.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.18*	
		For Set In Place Without Bolting, Deduct	*-3.25*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	56.81	1.28
		For 5/8" Clear Opening, Add	*18.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.14*	
		For Set In Place Without Bolting, Deduct	*-3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	70.56	1.28
		For 5/8" Clear Opening, Add	*23.46*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.20*	
		For Set In Place Without Bolting, Deduct	*-3.42*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	77.77	1.28
		For 5/8" Clear Opening, Add	*25.94*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.28*	
		For Set In Place Without Bolting, Deduct	*-3.60*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	92.58	1.28
		For 5/8" Clear Opening, Add	*31.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.50*	
		For Set In Place Without Bolting, Deduct	*-3.97*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	100.98	1.28
		For 5/8" Clear Opening, Add	*33.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.76*	
		For Set In Place Without Bolting, Deduct	*-4.18*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	112.25	1.28
		For 5/8" Clear Opening, Add	*37.84*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.45*	
		For Set In Place Without Bolting, Deduct	*-4.46*	

05 53 16 Plank Gratings *(05 53)*

05 53 16 00-0001 Grate-Lock Steel Plank Grating *(05 53 16)*

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.75	0.99
		For Stair Tread Application, Add	*2.17*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	20.03	1.23
		For Stair Tread Application, Add	*2.37*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	21.12	1.34
		For Stair Tread Application, Add	*2.51*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	23.07	1.45
		For Stair Tread Application, Add	*2.75*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.83	1.10
		For Stair Tread Application, Add	*2.61*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	24.30	1.34
		For Stair Tread Application, Add	*2.83*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	28.04	1.28
		For Stair Tread Application, Add	*3.19*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	29.84	1.58
		For Stair Tread Application, Add	*3.46*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	31.96	1.98
		For Stair Tread Application, Add	*3.79*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	35.27	2.21
		For Stair Tread Application, Add	*4.19*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	20.98	1.51
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	24.03	1.51
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	30.16	1.51
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	40.37	1.63
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	51.37	1.75

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	31.90	1.28
		For Powder Coating, Add	*4.40*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	36.61	1.51
		For Powder Coating, Add	*5.05*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	41.33	1.63
		For Powder Coating, Add	*5.71*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.36	1.75
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	47.05	1.98
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.94	2.33

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	77.99	7.85
		For 3/8" Thick, Add	*16.36*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	85.79	7.85
		For 3/8" Thick, Add	*18.31*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	93.56	7.85
		For 3/8" Thick, Add	*20.25*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	101.39	7.85
		For 3/8" Thick, Add	*22.21*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	109.14	7.85
		For 3/8" Thick, Add	*24.14*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	108.23	7.85
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	119.78	7.85
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	131.36	7.85
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	142.91	7.85
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	154.49	7.85

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	41.51	7.85
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	48.58	7.85
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	51.69	7.85

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	61.01	7.85
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	61.60	7.85
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	74.31	7.85
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	85.44	7.85
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	99.96	7.85
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	
		For Two Color Tread, Add	*3.68*	

05 55 13 00-0023 Stair Landing Treads *(05 55 13)*

05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	109.14	7.85
		For 3/8" Thick, Add	*24.14*	

05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	154.49	7.85

05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	101.24	7.85
		For Epoxy Sealed For Corrosive Environment, Add	*4.91*	

05 55 13 00-0030 Open Cast Iron Stair Tread *(05 55 13)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	733.97	46.62
		For Closed Riser, Add	*62.86*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	823.42	53.61
		For Closed Riser, Add	*70.35*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	907.17	62.93
		For Closed Riser, Add	*77.41*	

05 55 16 Metal Stair Nosings *(05 55)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0001		**Abrasive Cast Aluminum Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	33.12	5.36
		For 3/8" Thick, Add	*6.14*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	40.65	5.36
		For 3/8" Thick, Add	*8.02*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	57.43	5.36
		For 3/8" Thick, Add	*12.22*	
05 55 16 00-0005		**Abrasive Cast Iron Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	38.61	5.36
		For 3/8" Thick, Add	*7.51*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	47.88	5.36
		For 3/8" Thick, Add	*9.83*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	66.21	5.36
		For 3/8" Thick, Add	*14.41*	
05 55 16 00-0009		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings** *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.02	5.36
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.65	5.36
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	34.42	5.36
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	43.03	5.36
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	29.00	5.36
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	32.09	5.36
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	35.15	5.36
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.29	5.36

05 56 Metal Castings *(05 50)*

05 56 00 00-0001		**Castings** *(05 56)*		
05 56 00 00-0002	LB	Up To 150 Lb., Miscellaneous Castings, Light Section	5.78	0.59
05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section	9.90	0.46

05 58 Formed Metal Fabrications *(05 50)*

05 58 13 Column Covers *(05 58)*

05 58 13 00-0001		**Architectural Column Cover, Aluminum** *(05 58 13)* Note: Includes snapform column joint, anodized finish, and column collars at top and bottom (Pittcon Series 1500).		
05 58 13 00-0002	LF	10" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	39.34	
05 58 13 00-0003	LF	12" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	46.62	
05 58 13 00-0004	LF	14" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	55.37	
05 58 13 00-0005	LF	16" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	62.65	
05 58 13 00-0006	LF	18" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	70.52	
05 58 13 00-0007	LF	20" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	78.32	
05 58 13 00-0008	LF	24" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	91.12	
05 58 13 00-0009	LF	30" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	109.04	
05 58 13 00-0010	LF	36" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	118.74	
05 58 13 00-0011	LF	42" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	128.44	
05 58 13 00-0012	LF	48" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	143.09	
05 58 13 00-0013	LF	54" Diameter Architectural Column Cover, Aluminum, Anodized Finish, Snapform Section Note: Includes column base and top collar.	163.63	
05 58 13 00-0014		**Monolithic Column Cover, Aluminum** *(05 58 13)* Note: Includes painted, and column collars at top and bottom (Pittcon Series 100).		
05 58 13 00-0015	LF	7" Diameter Monolithic Column Cover, Aluminum, Factory	18.68	
05 58 13 00-0016	LF	8" Diameter Monolithic Column Cover, Aluminum, Factory	20.83	
05 58 13 00-0017	LF	9" Diameter Monolithic Column Cover, Aluminum, Factory	22.81	
05 58 13 00-0018	LF	10" Diameter Monolithic Column Cover, Aluminum, Factory	25.27	
05 58 13 00-0019	LF	12" Diameter Monolithic Column Cover, Aluminum, Factory Primed Note: Including Column Base And Top Collar	29.32	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001 Drip Pan *(05 58 16)*

05 58 16 00-0002	SF	Stainless Steel Drip Pan	119.36	6.66
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	117.89	6.66
05 58 16 00-0004	SF	Aluminum Drip Pan	82.63	5.33
05 58 16 00-0005	SF	Plastic Drip Pan	20.84	4.67

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001 Protective Guard Rails *(05 58 23)*

Note: Includes painted finish.

05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)*

Note: Steel King Armor Guard.

05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0002)*

Note: Excludes posts. Includes fasteners.

05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	224.66	25.71
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	263.65	25.71
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	300.44	25.71
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	339.43	25.71
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	376.43	25.71
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	424.38	25.71
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	457.06	25.71
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	507.65	25.71
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	540.84	25.71
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	564.56	25.71

05 58 23 00-0014 Posts For 2-Rib Guard Rails *(05 58 23 00-0002)*

Note: Includes drilling, surface mounting plate and anchors.

05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	452.83	53.56
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	588.26	53.56

05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0001)*

Note: Steel King Steel Guard.

05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)*

Note: Excludes posts. Includes fasteners.

05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	248.16	25.71
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	274.09	25.71
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	306.44	25.71
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	336.69	25.71
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	371.68	25.71
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	388.55	25.71
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	429.13	25.71
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	463.38	25.71
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	499.74	25.71
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	536.63	25.71

05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails *(05 58 23 00-0017)*

Note: Excludes posts. Includes fasteners and lift-out mounting plate.

05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	364.83	25.71
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	393.29	25.71
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	422.80	25.71
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	457.06	25.71
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	491.31	25.71
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	519.24	25.71
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	551.38	25.71
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	587.75	25.71
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	626.74	25.71
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	661.00	25.71

05 58 23 00-0040 Posts For 3-Rib Guard Rails *(05 58 23 00-0017)*

Note: Includes drilling, surface mounting plate and anchors.

05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	398.87	53.56
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	508.69	53.56

05 58 23 00-0043 All-Welded, Protective Guards *(05 58 23)*

Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0044 All-Welded, Protective Guards *(05 58 23 00-0043)*

05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	520.68	71.41
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	547.03	71.41
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	562.32	71.41
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	584.98	71.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	579.71	71.41
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	607.64	71.41
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	615.54	71.41
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	624.50	71.41
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	667.18	71.41
05 58 23 00-0054		Corner Style, All-Welded, Protective Guards *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	684.05	71.41
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	715.67	71.41
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	728.84	71.41
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	793.66	71.41
05 58 23 00-0059		Warehouse Safety Bollards *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	319.43	53.56
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	371.50	53.56
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	426.62	53.56
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	441.69	53.56
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	476.47	53.56

05 59 Metal Specialties *(05 50)*

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001		Alloy Steel Chain, Self Colored, Cut Length *(05 59 65)*		
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	6.77	1.13
		For Plastic Dipped, Add	*0.68*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.61	1.50
		For Plastic Dipped, Add	*0.84*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.56	2.99
		For Plastic Dipped, Add	*1.14*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	21.74	5.05
		For Plastic Dipped, Add	*1.74*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	36.69	8.54
		For Plastic Dipped, Add	*2.94*	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	51.50	11.98
		For Plastic Dipped, Add	*4.13*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	70.32	14.97
		For Plastic Dipped, Add	*6.06*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	101.84	19.95
		For Plastic Dipped, Add	*9.29*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	165.85	29.94
		For Plastic Dipped, Add	*15.90*	
05 59 65 00-0011		316L Stainless Steel Chain, Cut Length *(05 59 65)*		
05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length	2,619.63	99.76
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length	3,223.17	119.76
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length	4,040.28	149.70
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length	5,457.82	199.65
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length	6,219.50	299.41
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length	9,393.14	499.05

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001		Woven And Welded Wire Cloth *(05 59 69)*		
		Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0002		Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*		
05 59 69 00-0003		2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels	8.94	3.20
		For Up To 2, Add	*2.64*	
		For >2 To 6, Add	*1.53*	
		For >15 To 40, Deduct	*-0.23*	
		For >40, Deduct	*-0.70*	
		For Galvanized, Add	*2.05*	
		For Aluminum, Add	*2.80*	
		For 304 Stainless Steel, Add	*11.21*	
		For 316 Stainless Steel, Add	*12.84*	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels	9.57	3.33
		For Up To 2, Add	*2.80*	
		For >2 To 6, Add	*1.62*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.77*	
		For Galvanized, Add	*2.26*	
		For Aluminum, Add	*3.08*	
		For 304 Stainless Steel, Add	*12.31*	
		For 316 Stainless Steel, Add	*14.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	10.23	3.69
		For Up To 2, Add	*3.03*	
		For >2 To 6, Add	*1.76*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.80*	
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*12.74*	
		For 316 Stainless Steel, Add	*14.60*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	10.76	3.85
		For Up To 2, Add	*3.18*	
		For >2 To 6, Add	*1.84*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.85*	
		For Galvanized, Add	*2.48*	
		For Aluminum, Add	*3.38*	
		For 304 Stainless Steel, Add	*13.54*	
		For 316 Stainless Steel, Add	*15.51*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	11.81	4.31
		For Up To 2, Add	*3.51*	
		For >2 To 6, Add	*2.04*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.67*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*14.54*	
		For 316 Stainless Steel, Add	*16.67*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	13.51	4.80
		For Up To 2, Add	*3.98*	
		For >2 To 6, Add	*2.31*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.13*	
		For Aluminum, Add	*4.27*	
		For 304 Stainless Steel, Add	*17.06*	
		For 316 Stainless Steel, Add	*19.55*	
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	15.27	5.29
		For Up To 2, Add	*4.46*	
		For >2 To 6, Add	*2.58*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.94*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.63*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	17.44	5.87
		For Up To 2, Add	*5.05*	
		For >2 To 6, Add	*2.92*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.44*	
		For Galvanized, Add	*4.23*	
		For Aluminum, Add	*5.77*	
		For 304 Stainless Steel, Add	*23.09*	
		For 316 Stainless Steel, Add	*26.46*	

05 59 69 00-0012 1-3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	9.37	3.39
		For Up To 2, Add	*2.78*	
		For >2 To 6, Add	*1.61*	
		For >15 To 40, Deduct	*-0.24*	
		For >40, Deduct	*-0.73*	
		For Galvanized, Add	*2.14*	
		For Aluminum, Add	*2.92*	
		For 304 Stainless Steel, Add	*11.66*	
		For 316 Stainless Steel, Add	*13.37*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	10.27	3.56
		For Up To 2, Add	*3.01*	
		For >2 To 6, Add	*1.74*	
		For >15 To 40, Deduct	*-0.28*	
		For >40, Deduct	*-0.83*	
		For Galvanized, Add	*2.42*	
		For Aluminum, Add	*3.31*	
		For 304 Stainless Steel, Add	*13.22*	
		For 316 Stainless Steel, Add	*15.15*	
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels	11.10	4.00
		For Up To 2, Add	*3.29*	
		For >2 To 6, Add	*1.91*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.86*	
		For Galvanized, Add	*2.53*	
		For Aluminum, Add	*3.45*	
		For 304 Stainless Steel, Add	*13.80*	
		For 316 Stainless Steel, Add	*15.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels	11.57	4.13
		For Up To 2, Add	*3.42*	
		For >2 To 6, Add	*1.98*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.67*	
		For Aluminum, Add	*3.64*	
		For 304 Stainless Steel, Add	*14.54*	
		For 316 Stainless Steel, Add	*16.67*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	12.70	4.63
		For Up To 2, Add	*3.78*	
		For >2 To 6, Add	*2.20*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.87*	
		For Aluminum, Add	*3.91*	
		For 304 Stainless Steel, Add	*15.65*	
		For 316 Stainless Steel, Add	*17.93*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels	14.55	5.18
		For Up To 2, Add	*4.29*	
		For >2 To 6, Add	*2.49*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.37*	
		For Aluminum, Add	*4.59*	
		For 304 Stainless Steel, Add	*18.36*	
		For 316 Stainless Steel, Add	*21.04*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels	16.42	5.68
		For Up To 2, Add	*4.80*	
		For >2 To 6, Add	*2.78*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.33*	
		For Galvanized, Add	*3.89*	
		For Aluminum, Add	*5.31*	
		For 304 Stainless Steel, Add	*21.24*	
		For 316 Stainless Steel, Add	*24.34*	
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	18.77	6.31
		For Up To 2, Add	*5.44*	
		For >2 To 6, Add	*3.14*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.55*	
		For Galvanized, Add	*4.55*	
		For Aluminum, Add	*6.21*	
		For 304 Stainless Steel, Add	*24.84*	
		For 316 Stainless Steel, Add	*28.46*	

05 59 69 00-0021 1-1/2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels	10.39	3.77
		For Up To 2, Add	*3.08*	
		For >2 To 6, Add	*1.79*	
		For >15 To 40, Deduct	*-0.27*	
		For >40, Deduct	*-0.81*	
		For Galvanized, Add	*2.37*	
		For Aluminum, Add	*3.23*	
		For 304 Stainless Steel, Add	*12.94*	
		For 316 Stainless Steel, Add	*14.82*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels	11.36	3.96
		For Up To 2, Add	*3.33*	
		For >2 To 6, Add	*1.93*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.68*	
		For Aluminum, Add	*3.65*	
		For 304 Stainless Steel, Add	*14.62*	
		For 316 Stainless Steel, Add	*16.75*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	12.14	4.38
		For Up To 2, Add	*3.60*	
		For >2 To 6, Add	*2.09*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.94*	
		For Galvanized, Add	*2.77*	
		For Aluminum, Add	*3.77*	
		For 304 Stainless Steel, Add	*15.10*	
		For 316 Stainless Steel, Add	*17.30*	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels	12.77	4.56
		For Up To 2, Add	*3.77*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.94*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.06*	
		For 316 Stainless Steel, Add	*18.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	13.98	5.10
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.42*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.08*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.30*	
		For 304 Stainless Steel, Add	*17.21*	
		For 316 Stainless Steel, Add	*19.72*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels	15.89	5.65
		For Up To 2, Add	*4.68*	
		For >2 To 6, Add	*2.72*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.25*	
		For Galvanized, Add	*3.68*	
		For Aluminum, Add	*5.02*	
		For 304 Stainless Steel, Add	*20.06*	
		For 316 Stainless Steel, Add	*22.99*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels	17.96	6.21
		For Up To 2, Add	*5.25*	
		For >2 To 6, Add	*3.04*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.45*	
		For Galvanized, Add	*4.26*	
		For Aluminum, Add	*5.81*	
		For 304 Stainless Steel, Add	*23.23*	
		For 316 Stainless Steel, Add	*26.62*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels	20.46	6.89
		For Up To 2, Add	*5.93*	
		For >2 To 6, Add	*3.42*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.69*	
		For Galvanized, Add	*4.97*	
		For Aluminum, Add	*6.77*	
		For 304 Stainless Steel, Add	*27.10*	
		For 316 Stainless Steel, Add	*31.05*	
05 59 69 00-0030		1-1/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels	10.71	4.06
		For Up To 2, Add	*3.23*	
		For >2 To 6, Add	*1.89*	
		For >15 To 40, Deduct	*-0.26*	
		For >40, Deduct	*-0.79*	
		For Galvanized, Add	*2.32*	
		For Aluminum, Add	*3.17*	
		For 304 Stainless Steel, Add	*12.67*	
		For 316 Stainless Steel, Add	*14.52*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels	11.54	4.27
		For Up To 2, Add	*3.45*	
		For >2 To 6, Add	*2.01*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.88*	
		For Galvanized, Add	*2.57*	
		For Aluminum, Add	*3.51*	
		For 304 Stainless Steel, Add	*14.04*	
		For 316 Stainless Steel, Add	*16.09*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	12.47	4.44
		For Up To 2, Add	*3.68*	
		For >2 To 6, Add	*2.14*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-0.98*	
		For Galvanized, Add	*2.88*	
		For Aluminum, Add	*3.92*	
		For 304 Stainless Steel, Add	*15.70*	
		For 316 Stainless Steel, Add	*17.99*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels	12.84	4.53
		For Up To 2, Add	*3.78*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.02*	
		For Galvanized, Add	*2.99*	
		For Aluminum, Add	*4.08*	
		For 304 Stainless Steel, Add	*16.32*	
		For 316 Stainless Steel, Add	*18.70*	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	13.98	5.11
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.42*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.15*	
		For Aluminum, Add	*4.30*	
		For 304 Stainless Steel, Add	*17.18*	
		For 316 Stainless Steel, Add	*19.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels	15.74	5.75
		For Up To 2, Add	*4.68*	
		For >2 To 6, Add	*2.72*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.21*	
		For Galvanized, Add	*3.56*	
		For Aluminum, Add	*4.85*	
		For 304 Stainless Steel, Add	*19.39*	
		For 316 Stainless Steel, Add	*22.22*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	17.85	6.34
		For Up To 2, Add	*5.26*	
		For >2 To 6, Add	*3.05*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.41*	
		For Galvanized, Add	*4.13*	
		For Aluminum, Add	*5.63*	
		For 304 Stainless Steel, Add	*22.54*	
		For 316 Stainless Steel, Add	*25.82*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels	20.05	6.94
		For Up To 2, Add	*5.86*	
		For >2 To 6, Add	*3.39*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.62*	
		For Galvanized, Add	*4.76*	
		For Aluminum, Add	*6.49*	
		For 304 Stainless Steel, Add	*25.94*	
		For 316 Stainless Steel, Add	*29.73*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	22.89	7.70
		For Up To 2, Add	*6.63*	
		For >2 To 6, Add	*3.83*	
		For >15 To 40, Deduct	*-0.63*	
		For >40, Deduct	*-1.89*	
		For Galvanized, Add	*5.56*	
		For Aluminum, Add	*7.58*	
		For 304 Stainless Steel, Add	*30.31*	
		For 316 Stainless Steel, Add	*34.73*	

05 59 69 00-0040 1" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels	12.25	4.76
		For Up To 2, Add	*3.72*	
		For >2 To 6, Add	*2.18*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.89*	
		For Galvanized, Add	*2.60*	
		For Aluminum, Add	*3.55*	
		For 304 Stainless Steel, Add	*14.18*	
		For 316 Stainless Steel, Add	*16.25*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	13.10	4.95
		For Up To 2, Add	*3.94*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.97*	
		For Galvanized, Add	*2.86*	
		For Aluminum, Add	*3.89*	
		For 304 Stainless Steel, Add	*15.58*	
		For 316 Stainless Steel, Add	*17.85*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	13.64	5.18
		For Up To 2, Add	*4.11*	
		For >2 To 6, Add	*2.40*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels	14.54	5.25
		For Up To 2, Add	*4.31*	
		For >2 To 6, Add	*2.51*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.13*	
		For Galvanized, Add	*3.31*	
		For Aluminum, Add	*4.52*	
		For 304 Stainless Steel, Add	*18.07*	
		For 316 Stainless Steel, Add	*20.71*	
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	16.19	5.92
		For Up To 2, Add	*4.82*	
		For >2 To 6, Add	*2.80*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.25*	
		For Galvanized, Add	*3.65*	
		For Aluminum, Add	*4.98*	
		For 304 Stainless Steel, Add	*19.92*	
		For 316 Stainless Steel, Add	*22.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	18.16	6.63
		For Up To 2, Add	*5.40*	
		For >2 To 6, Add	*3.14*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.40*	
		For Galvanized, Add	*4.10*	
		For Aluminum, Add	*5.59*	
		For 304 Stainless Steel, Add	*22.37*	
		For 316 Stainless Steel, Add	*25.63*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	20.70	7.35
		For Up To 2, Add	*6.10*	
		For >2 To 6, Add	*3.54*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.63*	
		For Galvanized, Add	*4.79*	
		For Aluminum, Add	*6.53*	
		For 304 Stainless Steel, Add	*26.14*	
		For 316 Stainless Steel, Add	*29.95*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	23.23	8.03
		For Up To 2, Add	*6.79*	
		For >2 To 6, Add	*3.93*	
		For >15 To 40, Deduct	*-0.63*	
		For >40, Deduct	*-1.88*	
		For Galvanized, Add	*5.51*	
		For Aluminum, Add	*7.51*	
		For 304 Stainless Steel, Add	*30.05*	
		For 316 Stainless Steel, Add	*34.43*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	26.43	8.89
		For Up To 2, Add	*7.66*	
		For >2 To 6, Add	*4.42*	
		For >15 To 40, Deduct	*-0.73*	
		For >40, Deduct	*-2.19*	
		For Galvanized, Add	*6.42*	
		For Aluminum, Add	*8.75*	
		For 304 Stainless Steel, Add	*34.99*	
		For 316 Stainless Steel, Add	*40.10*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	12.38	4.75
		For Up To 2, Add	*3.74*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.30*	
		For >40, Deduct	*-0.91*	
		For Galvanized, Add	*2.66*	
		For Aluminum, Add	*3.63*	
		For 304 Stainless Steel, Add	*14.52*	
		For 316 Stainless Steel, Add	*16.64*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	13.83	5.33
		For Up To 2, Add	*4.19*	
		For >2 To 6, Add	*2.45*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.01*	
		For Galvanized, Add	*2.96*	
		For Aluminum, Add	*4.04*	
		For 304 Stainless Steel, Add	*16.15*	
		For 316 Stainless Steel, Add	*18.51*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	15.34	6.02
		For Up To 2, Add	*4.67*	
		For >2 To 6, Add	*2.74*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.10*	
		For Galvanized, Add	*3.22*	
		For Aluminum, Add	*4.39*	
		For 304 Stainless Steel, Add	*17.57*	
		For 316 Stainless Steel, Add	*20.13*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	16.58	6.42
		For Up To 2, Add	*5.03*	
		For >2 To 6, Add	*2.94*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.20*	
		For Galvanized, Add	*3.52*	
		For Aluminum, Add	*4.81*	
		For 304 Stainless Steel, Add	*19.22*	
		For 316 Stainless Steel, Add	*22.03*	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels	19.11	7.22
		For Up To 2, Add	*5.75*	
		For >2 To 6, Add	*3.36*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.42*	
		For Galvanized, Add	*4.17*	
		For Aluminum, Add	*5.69*	
		For 304 Stainless Steel, Add	*22.75*	
		For 316 Stainless Steel, Add	*26.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels	21.91	8.08
		For Up To 2, Add	*6.53*	
		For >2 To 6, Add	*3.81*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.67*	
		For Galvanized, Add	*4.91*	
		For Aluminum, Add	*6.69*	
		For 304 Stainless Steel, Add	*26.76*	
		For 316 Stainless Steel, Add	*30.66*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels	24.88	8.92
		For Up To 2, Add	*7.36*	
		For >2 To 6, Add	*4.27*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.95*	
		For Galvanized, Add	*5.71*	
		For Aluminum, Add	*7.79*	
		For 304 Stainless Steel, Add	*31.15*	
		For 316 Stainless Steel, Add	*35.70*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels	27.79	9.71
		For Up To 2, Add	*8.15*	
		For >2 To 6, Add	*4.72*	
		For >15 To 40, Deduct	*-0.74*	
		For >40, Deduct	*-2.23*	
		For Galvanized, Add	*6.53*	
		For Aluminum, Add	*8.91*	
		For 304 Stainless Steel, Add	*35.64*	
		For 316 Stainless Steel, Add	*40.84*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels	31.59	10.73
		For Up To 2, Add	*9.18*	
		For >2 To 6, Add	*5.30*	
		For >15 To 40, Deduct	*-0.86*	
		For >40, Deduct	*-2.59*	
		For Galvanized, Add	*7.61*	
		For Aluminum, Add	*10.37*	
		For 304 Stainless Steel, Add	*41.50*	
		For 316 Stainless Steel, Add	*47.55*	
05 59 69 00-0060		1/2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels	12.97	5.09
		For Up To 2, Add	*3.95*	
		For >2 To 6, Add	*2.31*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.93*	
		For Galvanized, Add	*2.72*	
		For Aluminum, Add	*3.71*	
		For 304 Stainless Steel, Add	*14.86*	
		For 316 Stainless Steel, Add	*17.02*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels	15.26	6.18
		For Up To 2, Add	*4.70*	
		For >2 To 6, Add	*2.77*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.05*	
		For Galvanized, Add	*3.08*	
		For Aluminum, Add	*4.20*	
		For 304 Stainless Steel, Add	*16.80*	
		For 316 Stainless Steel, Add	*19.25*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels	18.38	7.32
		For Up To 2, Add	*5.63*	
		For >2 To 6, Add	*3.30*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*3.80*	
		For Aluminum, Add	*5.18*	
		For 304 Stainless Steel, Add	*20.71*	
		For 316 Stainless Steel, Add	*23.73*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	21.13	8.21
		For Up To 2, Add	*6.41*	
		For >2 To 6, Add	*3.75*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.53*	
		For Galvanized, Add	*4.48*	
		For Aluminum, Add	*6.11*	
		For 304 Stainless Steel, Add	*24.46*	
		For 316 Stainless Steel, Add	*28.02*	
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels	24.19	9.16
		For Up To 2, Add	*7.28*	
		For >2 To 6, Add	*4.25*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.80*	
		For Galvanized, Add	*5.27*	
		For Aluminum, Add	*7.19*	
		For 304 Stainless Steel, Add	*28.75*	
		For 316 Stainless Steel, Add	*32.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels	27.66	10.21
		For Up To 2, Add	*8.26*	
		For >2 To 6, Add	*4.81*	
		For >15 To 40, Deduct	*-0.70*	
		For >40, Deduct	*-2.11*	
		For Galvanized, Add	*6.18*	
		For Aluminum, Add	*8.42*	
		For 304 Stainless Steel, Add	*33.70*	
		For 316 Stainless Steel, Add	*38.61*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels	31.21	11.23
		For Up To 2, Add	*9.23*	
		For >2 To 6, Add	*5.37*	
		For >15 To 40, Deduct	*-0.81*	
		For >40, Deduct	*-2.44*	
		For Galvanized, Add	*7.15*	
		For Aluminum, Add	*9.75*	
		For 304 Stainless Steel, Add	*39.00*	
		For 316 Stainless Steel, Add	*44.69*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels	34.76	12.17
		For Up To 2, Add	*10.20*	
		For >2 To 6, Add	*5.91*	
		For >15 To 40, Deduct	*-0.93*	
		For >40, Deduct	*-2.78*	
		For Galvanized, Add	*8.16*	
		For Aluminum, Add	*11.12*	
		For 304 Stainless Steel, Add	*44.50*	
		For 316 Stainless Steel, Add	*50.99*	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels	36.38	13.39
		For Up To 2, Add	*10.84*	
		For >2 To 6, Add	*6.31*	
		For >15 To 40, Deduct	*-0.93*	
		For >40, Deduct	*-2.78*	
		For Galvanized, Add	*8.16*	
		For Aluminum, Add	*11.12*	
		For 304 Stainless Steel, Add	*44.50*	
		For 316 Stainless Steel, Add	*50.99*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0071 Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF	11.01	4.38
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*3.10*	
		For 304 Stainless Steel, Add	*12.38*	
		For 316 Stainless Steel, Add	*14.19*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF	13.69	4.80
		For Galvanized, Add	*3.21*	
		For Aluminum, Add	*4.37*	
		For 304 Stainless Steel, Add	*17.50*	
		For 316 Stainless Steel, Add	*20.05*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF	7.97	3.39
		For Galvanized, Add	*1.52*	
		For Aluminum, Add	*2.08*	
		For 304 Stainless Steel, Add	*8.30*	
		For 316 Stainless Steel, Add	*9.52*	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF	8.71	3.69
		For Galvanized, Add	*1.67*	
		For Aluminum, Add	*2.27*	
		For 304 Stainless Steel, Add	*9.10*	
		For 316 Stainless Steel, Add	*10.42*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF	9.90	4.38
		For Galvanized, Add	*1.78*	
		For Aluminum, Add	*2.43*	
		For 304 Stainless Steel, Add	*9.72*	
		For 316 Stainless Steel, Add	*11.14*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF	12.68	5.65
		For Galvanized, Add	*2.27*	
		For Aluminum, Add	*3.09*	
		For 304 Stainless Steel, Add	*12.36*	
		For 316 Stainless Steel, Add	*14.16*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF	7.03	3.33
		For Galvanized, Add	*1.14*	
		For Aluminum, Add	*1.55*	
		For 304 Stainless Steel, Add	*6.22*	
		For 316 Stainless Steel, Add	*7.12*	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF	7.84	3.56
		For Galvanized, Add	*1.36*	
		For Aluminum, Add	*1.85*	
		For 304 Stainless Steel, Add	*7.39*	
		For 316 Stainless Steel, Add	*8.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF	8.95	4.00
		For Galvanized, Add	*1.58*	
		For Aluminum, Add	*2.16*	
		For 304 Stainless Steel, Add	*8.64*	
		For 316 Stainless Steel, Add	*9.90*	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF	14.16	6.63
		For Galvanized, Add	*2.34*	
		For Aluminum, Add	*3.19*	
		For 304 Stainless Steel, Add	*12.77*	
		For 316 Stainless Steel, Add	*14.63*	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF	7.93	4.06
		For Galvanized, Add	*1.10*	
		For Aluminum, Add	*1.50*	
		For 304 Stainless Steel, Add	*6.00*	
		For 316 Stainless Steel, Add	*6.88*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF	6.79	3.20
		For Galvanized, Add	*1.11*	
		For Aluminum, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.05*	
		For 316 Stainless Steel, Add	*6.93*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF	7.83	3.77
		For Galvanized, Add	*1.25*	
		For Aluminum, Add	*1.70*	
		For 304 Stainless Steel, Add	*6.79*	
		For 316 Stainless Steel, Add	*7.78*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF	12.01	5.09
		For Galvanized, Add	*2.30*	
		For Aluminum, Add	*3.14*	
		For 304 Stainless Steel, Add	*12.55*	
		For 316 Stainless Steel, Add	*14.38*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	480.31	58.28
		For Galvanized, Add	*254.63*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	546.95	64.10
		For Galvanized, Add	*293.13*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	605.14	69.93
		For Galvanized, Add	*325.70*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	648.51	75.76
		For Galvanized, Add	*347.90*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings *(05 73)*

05 73 23 00-0001 Railings; Vertical Square Bars At 6" *(05 73 23)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	80.04	12.82
		For Rake Or Angle Railings, Add	*11.17*	
		For Curved Railings, Add	*21.09*	
		For 4" On Center Standards, Add	*2.13*	
		For 4-1/2" On Center Standards, Add	*1.70*	
		For 5" On Center Standards, Add	*1.14*	
		For 5-1/2" On Center Standards, Add	*0.57*	
		For Each Field Bending Of Rails, Add	*15.41*	
		For Galvanized, Add	*3.97*	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	222.41	17.48
		For Rake Or Angle Railings, Add	*22.78*	
		For Curved Railings, Add	*81.80*	
		For 4" On Center Standards, Add	*11.35*	
		For 4-1/2" On Center Standards, Add	*9.08*	
		For 5" On Center Standards, Add	*6.05*	
		For 5-1/2" On Center Standards, Add	*3.03*	
		For Each Field Bending Of Rails, Add	*20.26*	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	164.18	29.13
		For Rake Or Angle Railings, Add	*22.53*	
		For Curved Railings, Add	*44.34*	
		For 4" On Center Standards, Add	*4.62*	
		For 4-1/2" On Center Standards, Add	*3.70*	
		For 5" On Center Standards, Add	*2.46*	
		For 5-1/2" On Center Standards, Add	*1.23*	
		For Each Field Bending Of Rails, Add	*28.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	300.72	23.31
		For Rake Or Angle Railings, Add	*30.64*	
		For Curved Railings, Add	*111.05*	
		For 4" On Center Standards, Add	*15.46*	
		For 4-1/2" On Center Standards, Add	*12.36*	
		For 5" On Center Standards, Add	*8.24*	
		For 5-1/2" On Center Standards, Add	*4.12*	
		For Each Field Bending Of Rails, Add	*26.16*	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	420.55	35.55
		For Rake Or Angle Railings, Add	*35.86*	
		For Curved Railings, Add	*174.91*	
		For 4" On Center Standards, Add	*26.21*	
		For 4-1/2" On Center Standards, Add	*20.97*	
		For 5" On Center Standards, Add	*13.98*	
		For 5-1/2" On Center Standards, Add	*6.99*	
		For Each Field Bending Of Rails, Add	*20.27*	

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports *(05 73 23)*

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	183.00	5.83
		For Rake Or Angle Railings, Add	*14.44*	
		For Curved Railings, Add	*79.38*	
		For 4" On Center Standards, Add	*12.17*	
		For 4-1/2" On Center Standards, Add	*9.74*	
		For 5" On Center Standards, Add	*6.49*	
		For 5-1/2" On Center Standards, Add	*3.25*	
		For Each Field Bending Of Rails, Add	*7.68*	
		For Exterior Post-Installed Anchors, Add	*11.01*	

05 73 23 00-0009 Plain Handrails *(05 73 23)*

05 73 23 00-0010	LF	2" Brass Handrail	62.03	12.61
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	128.64	45.97
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	58.02	23.04
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	97.04	45.97
05 73 23 00-0014	LF	2" Stainless Steel Handrail	73.74	15.77

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73 23)*

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	11.54	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	11.49	

05 73 23 00-0018 Remove/Reinstall Ornamental Railing *(05 73 23)*

05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	107.22	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*

Note: Includes field fabrication (bending) where noted.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.96	2.79
		For >16 To 200, Deduct	*-1.66*	
		For >200 To 500, Deduct	*-3.32*	
		For >500, Deduct	*-4.76*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	36.00	3.11
		For >16 To 200, Deduct	*-2.03*	
		For >200 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.87*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	39.38	3.35
		For >16 To 200, Deduct	*-2.22*	
		For >200 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.41*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	42.49	3.52
		For >16 To 200, Deduct	*-2.39*	
		For >200 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.90*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	48.31	3.68
		For >16 To 200, Deduct	*-2.69*	
		For >200 To 500, Deduct	*-5.38*	
		For >500, Deduct	*-7.80*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	60.85	3.86
		For >16 To 200, Deduct	*-3.33*	
		For >200 To 500, Deduct	*-6.66*	
		For >500, Deduct	*-9.71*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	71.09	4.03
		For >16 To 200, Deduct	*-3.86*	
		For >200 To 500, Deduct	*-7.71*	
		For >500, Deduct	*-11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	85.86	4.35
		For >16 To 200, Deduct	*-4.62*	
		For >200 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-13.53*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	105.17	4.69
		For >16 To 200, Deduct	*-5.61*	
		For >200 To 500, Deduct	*-11.22*	
		For >500, Deduct	*-16.48*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	153.64	5.03
		For >16 To 200, Deduct	*-8.06*	
		For >200 To 500, Deduct	*-16.12*	
		For >500, Deduct	*-23.80*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	15.74	2.59
		For >16 To 200, Deduct	*-0.98*	
		For >200 To 500, Deduct	*-1.96*	
		For >500, Deduct	*-2.75*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.79	2.79
		For >16 To 200, Deduct	*-1.10*	
		For >200 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.09*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	19.34	2.93
		For >16 To 200, Deduct	*-1.19*	
		For >200 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.34*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	22.61	3.07
		For >16 To 200, Deduct	*-1.36*	
		For >200 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.85*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	25.78	3.21
		For >16 To 200, Deduct	*-1.53*	
		For >200 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-4.35*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	29.77	3.35
		For >16 To 200, Deduct	*-1.74*	
		For >200 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.97*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	42.69	3.91
		For >16 To 200, Deduct	*-2.43*	
		For >200 To 500, Deduct	*-4.86*	
		For >500, Deduct	*-6.99*	
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	57.57	4.15
		For >16 To 200, Deduct	*-3.19*	
		For >200 To 500, Deduct	*-6.38*	
		For >500, Deduct	*-9.26*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	78.73	5.03
		For >16 To 200, Deduct	*-4.31*	
		For >200 To 500, Deduct	*-8.63*	
		For >500, Deduct	*-12.56*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	131.16	5.39
		For >16 To 200, Deduct	*-6.96*	
		For >200 To 500, Deduct	*-13.92*	
		For >500, Deduct	*-20.48*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	167.74	6.27
		For >16 To 200, Deduct	*-8.86*	
		For >200 To 500, Deduct	*-17.72*	
		For >500, Deduct	*-26.10*	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	12.70	2.79
		For >16 To 200, Deduct	*-0.84*	
		For >200 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.32*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	14.40	3.11
		For >16 To 200, Deduct	*-0.95*	
		For >200 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.63*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	16.03	3.35
		For >16 To 200, Deduct	*-1.05*	
		For >200 To 500, Deduct	*-2.11*	
		For >500, Deduct	*-2.91*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	17.71	3.52
		For >16 To 200, Deduct	*-1.15*	
		For >200 To 500, Deduct	*-2.30*	
		For >500, Deduct	*-3.19*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	19.38	3.68
		For >16 To 200, Deduct	*-1.25*	
		For >200 To 500, Deduct	*-2.49*	
		For >500, Deduct	*-3.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	21.21	3.86
		For >16 To 200, Deduct	*-1.35*	
		For >200 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.76*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	23.44	4.03
		For >16 To 200, Deduct	*-1.47*	
		For >200 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.12*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	27.85	4.69
		For >16 To 200, Deduct	*-1.74*	
		For >200 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.88*	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.11	2.79
		For >16 To 200, Deduct	*-0.77*	
		For >200 To 500, Deduct	*-1.53*	
		For >500, Deduct	*-2.09*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.33	3.11
		For >16 To 200, Deduct	*-0.85*	
		For >200 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.32*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.14	3.35
		For >16 To 200, Deduct	*-0.91*	
		For >200 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.47*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.93	3.52
		For >16 To 200, Deduct	*-0.96*	
		For >200 To 500, Deduct	*-1.92*	
		For >500, Deduct	*-2.62*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.92	3.68
		For >16 To 200, Deduct	*-1.02*	
		For >200 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.79*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	15.99	3.86
		For >16 To 200, Deduct	*-1.09*	
		For >200 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.98*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	17.62	4.03
		For >16 To 200, Deduct	*-1.18*	
		For >200 To 500, Deduct	*-2.37*	
		For >500, Deduct	*-3.25*	
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	20.03	4.35
		For >16 To 200, Deduct	*-1.33*	
		For >200 To 500, Deduct	*-2.66*	
		For >500, Deduct	*-3.66*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	23.09	5.03
		For >16 To 200, Deduct	*-1.53*	
		For >200 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-4.22*	

05 75 00 00-0044 Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	14.56	2.64
		For >16 To 200, Deduct	*-0.99*	
		For >200 To 500, Deduct	*-1.99*	
		For >500, Deduct	*-2.71*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	16.76	3.00
		For >16 To 200, Deduct	*-1.14*	
		For >200 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.11*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	18.94	3.32
		For >16 To 200, Deduct	*-1.28*	
		For >200 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.51*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	20.85	3.59
		For >16 To 200, Deduct	*-1.40*	
		For >200 To 500, Deduct	*-2.80*	
		For >500, Deduct	*-3.85*	

END OF SECTION 05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 10 Maintenance of Rough Carpentry *(06 01)*

06 01 10 91 Rough Carpenty Restoration *(06 01 10)*

06 01 10 91-0001 Roof Beam Restoration *(06 01 10 91)*

06 01 10 91-0002	EA	Up To 5, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	82.61	
06 01 10 91-0003	EA	>5 To 25, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	71.09	
06 01 10 91-0004	EA	>25, Roof Beam Restoration And Fill Note: Includes cutting out damaged/rotten wood, filling with wood fiber restore material, and then with two-part epoxy, or polyester bondo, and sanding.	59.57	

06 01 10 91-0005 Roof Beam Replacement *(06 01 10 91)*
Note: Includes cutting back the rafter beam back 18" and in a zig- zag Z splice cut for purpose of splicing on new end piece. Attached with glue and screwed on with lag screws counter sunk.

06 01 10 91-0006	EA	Up To 5, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	183.49	
06 01 10 91-0007	EA	>5 To 25, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	171.97	
06 01 10 91-0008	EA	>25, Roof Beam Replacement, 6" x 12" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	160.43	
06 01 10 91-0009	EA	Up To 5, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	164.52	
06 01 10 91-0010	EA	>5 To 25, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	152.99	
06 01 10 91-0011	EA	>25, Roof Beam Replacement, 4" x 8" Beams Note: Includes cutting off damaged/rotten wood, new beams with screws.	141.46	

06 01 10 91-0012 Roof Beam Caps *(06 01 10 91)*

06 01 10 91-0013	EA	4" x 4" Stainless Steel Beam End Cap	36.26	
		For Galvanized Steel, Deduct		*-2.74*
06 01 10 91-0014	EA	4" x 6" Stainless Steel Beam End Cap	52.81	
		For Galvanized Steel, Deduct		*-4.81*
06 01 10 91-0015	EA	4" x 8" Stainless Steel Beam End Cap	67.96	
		For Galvanized Steel, Deduct		*-6.25*
06 01 10 91-0016	EA	6" x 6" Stainless Steel Beam End Cap	61.94	
		For Galvanized Steel, Deduct		*-5.50*
06 01 10 91-0017	EA	6" x 12" Stainless Steel Beam End Cap	77.57	
		For Galvanized Steel, Deduct		*-7.00*

06 01 10 91-0018 Field Formed Beam Top/End Caps *(06 01 10 91)*

06 01 10 91-0019	SF	24 Gauge, Stainless Steel Field Formed Beam Top/End Cap Note: Includes forming and bending at edges and around end of exposed beam	16.96	
06 01 10 91-0020	SF	24 Gauge, Galvanized Steel Field Formed Beam Top/End Cap Note: Includes forming and bending at edges and around end of exposed beam	13.79	

06 01 10 91-0021 Historic Restoration For Retexturing Wood Beams *(06 01 10 91)*

06 01 10 91-0022	SF	Retexture Wood Beams To Match Original Historic Appearance Note: Includes: Retexturing wood surface of beams on (3) sides	48.84	
06 01 10 91-0023	LF	Retexture 3" X 6" Wood Beams On (3) Sides To Match Original Historic Appearance	61.07	

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	10.64	

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*
See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	44.89	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	48.39	

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	14.97	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.14*	
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.93*	
		For >500, Deduct	*-5.58*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	19.10	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.30*	
		For >100 To 250, Deduct	*-2.60*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.31*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.87	
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-4.59*	
		For >500, Deduct	*-6.48*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	38.89	
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.05*	
		For >500, Deduct	*-9.90*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	9.02	4.28
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-4.17*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	10.07	4.71
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.88*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.68*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	9.13	4.28
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.18*	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	10.00	4.57
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-3.15*	
		For >500, Deduct	*-4.48*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	17.00	4.71
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.80*	
		For >500, Deduct	*-5.37*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	15.35	4.71
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.68*	
		For >500, Deduct	*-5.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	16.78	5.29
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.04*	
		For >500, Deduct	*-5.72*	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	19.00	5.57
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.41*	
		For >500, Deduct	*-6.25*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	10.00	4.00
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.26*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	12.30	4.28
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-4.69*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	13.96	4.42
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.97*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	15.47	4.57
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.74*	
		For >500, Deduct	*-5.30*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	10.89	4.00
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-4.35*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	11.99	4.28
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.66*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	13.88	4.42
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.96*	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	16.42	4.57
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.11*	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 500, Deduct	*-3.81*	
		For >500, Deduct	*-5.39*	

06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	71.67	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 250, Deduct	*-10.22*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-24.87*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	99.57	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-5.92*	
		For >100 To 250, Deduct	*-11.83*	
		For >250 To 500, Deduct	*-20.03*	
		For >500, Deduct	*-28.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	122.43	
		For >10 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-6.70*	
		For >100 To 250, Deduct	*-13.40*	
		For >250 To 500, Deduct	*-22.53*	
		For >500, Deduct	*-31.66*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	144.33	
		For >10 To 50, Deduct	*-2.71*	
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-15.35*	
		For >250 To 500, Deduct	*-25.74*	
		For >500, Deduct	*-36.13*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	232.87	
		For >10 To 50, Deduct	*-3.43*	
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 250, Deduct	*-21.92*	
		For >250 To 500, Deduct	*-36.31*	
		For >500, Deduct	*-50.70*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	312.60	
		For >10 To 50, Deduct	*-3.57*	
		For >50 To 100, Deduct	*-13.17*	
		For >100 To 250, Deduct	*-26.34*	
		For >250 To 500, Deduct	*-43.08*	
		For >500, Deduct	*-59.82*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	83.99	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.42*	
		For >100 To 250, Deduct	*-10.84*	
		For >250 To 500, Deduct	*-18.47*	
		For >500, Deduct	*-26.10*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	92.77	
		For >10 To 50, Deduct	*-2.28*	
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 250, Deduct	*-11.49*	
		For >250 To 500, Deduct	*-19.52*	
		For >500, Deduct	*-27.55*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	103.78	
		For >10 To 50, Deduct	*-2.43*	
		For >50 To 100, Deduct	*-6.24*	
		For >100 To 250, Deduct	*-12.47*	
		For >250 To 500, Deduct	*-21.13*	
		For >500, Deduct	*-29.80*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	127.85	
		For >10 To 50, Deduct	*-2.71*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 250, Deduct	*-14.53*	
		For >250 To 500, Deduct	*-24.51*	
		For >500, Deduct	*-34.49*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	164.58	
		For >10 To 50, Deduct	*-3.43*	
		For >50 To 100, Deduct	*-9.26*	
		For >100 To 250, Deduct	*-18.51*	
		For >250 To 500, Deduct	*-31.19*	
		For >500, Deduct	*-43.87*	
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	183.60	
		For >10 To 50, Deduct	*-3.57*	
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-19.89*	
		For >250 To 500, Deduct	*-33.40*	
		For >500, Deduct	*-46.92*	
06 05 23 00-0038		**Joist And Beam Hangers** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	9.57	4.00
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.96*	
		For >500, Deduct	*-4.22*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	10.64	4.28
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	14.77	4.42
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.56*	
		For >500, Deduct	*-5.05*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	16.05	4.57
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-3.78*	
		For >500, Deduct	*-5.35*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	24.32	4.85
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.66*	
		For >250 To 500, Deduct	*-4.48*	
		For >500, Deduct	*-6.29*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	28.89	5.00
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.93*	
		For >250 To 500, Deduct	*-4.88*	
		For >500, Deduct	*-6.84*	
06 05 23 00-0045		**Anchor And Ties** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4)	43.69	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5)	54.12	
		Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.88	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	6.60	
06 05 23 00-0050		**Hurricane Ties** *(06 05 23)*		
06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	10.52	4.42
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.99*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.78	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	10.02	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	12.84	4.42
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.67*	
		For >500, Deduct	*-5.22*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	21.02	
06 05 23 00-0056		**Post Column Bases** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	38.83	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	59.87	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	61.70	
06 05 23 00-0060		**Post Column Caps** *(06 05 23)*		
		Note: Including nails.		
06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	21.73	5.00
		For >10 To 50, Deduct	*-0.55*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.65*	
		For >500, Deduct	*-6.57*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	47.17	5.00
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-6.73*	
		For >500, Deduct	*-9.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4)	231.30	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 250, Deduct	*-15.85*	
		For >250 To 500, Deduct	*-25.20*	
		For >500, Deduct	*-34.55*	
		For Hot Dipped Galvanized, Add	*91.24*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	241.00	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 250, Deduct	*-16.87*	
		For >250 To 500, Deduct	*-26.91*	
		For >500, Deduct	*-36.95*	
		For Hot Dipped Galvanized, Add	*94.00*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44)	149.17	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-19.04*	
		For >500, Deduct	*-26.34*	
		For Hot Dipped Galvanized, Add	*54.28*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	236.01	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.31*	
		For >100 To 250, Deduct	*-16.62*	
		For >250 To 500, Deduct	*-26.53*	
		For >500, Deduct	*-36.45*	
		For Hot Dipped Galvanized, Add	*91.75*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48)	246.79	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-17.16*	
		For >250 To 500, Deduct	*-27.34*	
		For >500, Deduct	*-37.53*	
		For Hot Dipped Galvanized, Add	*96.60*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	252.11	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-17.21*	
		For >250 To 500, Deduct	*-27.35*	
		For >500, Deduct	*-37.49*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	254.97	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.89*	
		For >100 To 250, Deduct	*-17.78*	
		For >250 To 500, Deduct	*-28.35*	
		For >500, Deduct	*-38.92*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	254.97	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.89*	
		For >100 To 250, Deduct	*-17.78*	
		For >250 To 500, Deduct	*-28.35*	
		For >500, Deduct	*-38.92*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	294.43	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 250, Deduct	*-19.33*	
		For >250 To 500, Deduct	*-30.52*	
		For >500, Deduct	*-41.72*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	297.29	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.95*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-31.53*	
		For >500, Deduct	*-43.15*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	297.29	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.95*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-31.53*	
		For >500, Deduct	*-43.15*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	359.95	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-11.30*	
		For >100 To 250, Deduct	*-22.60*	
		For >250 To 500, Deduct	*-35.44*	
		For >500, Deduct	*-48.28*	
		For Hot Dipped Galvanized, Add	*148.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	362.81	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 250, Deduct	*-23.17*	
		For >250 To 500, Deduct	*-36.44*	
		For >500, Deduct	*-49.71*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	362.81	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 250, Deduct	*-23.17*	
		For >250 To 500, Deduct	*-36.44*	
		For >500, Deduct	*-49.71*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4) Note: Excludes field welding	231.30	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 250, Deduct	*-15.85*	
		For >250 To 500, Deduct	*-25.20*	
		For >500, Deduct	*-34.55*	
		For Hot Dipped Galvanized, Add	*91.24*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	241.00	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 250, Deduct	*-16.87*	
		For >250 To 500, Deduct	*-26.91*	
		For >500, Deduct	*-36.95*	
		For Hot Dipped Galvanized, Add	*94.00*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44) Note: Excludes field welding	149.17	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-5.87*	
		For >100 To 250, Deduct	*-11.74*	
		For >250 To 500, Deduct	*-19.04*	
		For >500, Deduct	*-26.34*	
		For Hot Dipped Galvanized, Add	*54.28*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	236.01	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.31*	
		For >100 To 250, Deduct	*-16.62*	
		For >250 To 500, Deduct	*-26.53*	
		For >500, Deduct	*-36.45*	
		For Hot Dipped Galvanized, Add	*91.75*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48) Note: Excludes field welding	246.79	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-17.16*	
		For >250 To 500, Deduct	*-27.34*	
		For >500, Deduct	*-37.53*	
		For Hot Dipped Galvanized, Add	*96.60*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	252.11	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-8.61*	
		For >100 To 250, Deduct	*-17.21*	
		For >250 To 500, Deduct	*-27.35*	
		For >500, Deduct	*-37.49*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	254.97	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.89*	
		For >100 To 250, Deduct	*-17.78*	
		For >250 To 500, Deduct	*-28.35*	
		For >500, Deduct	*-38.92*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	254.97	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-8.89*	
		For >100 To 250, Deduct	*-17.78*	
		For >250 To 500, Deduct	*-28.35*	
		For >500, Deduct	*-38.92*	
		For Hot Dipped Galvanized, Add	*99.63*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	294.43	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 250, Deduct	*-19.33*	
		For >250 To 500, Deduct	*-30.52*	
		For >500, Deduct	*-41.72*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	297.29	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.95*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-31.53*	
		For >500, Deduct	*-43.15*	
		For Hot Dipped Galvanized, Add	*118.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	297.29	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-9.95*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-31.53*	
		For >500, Deduct	*-43.15*	
		For Hot Dipped Galvanized, Add	*118.68*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	359.95	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-11.30*	
		For >100 To 250, Deduct	*-22.60*	
		For >250 To 500, Deduct	*-35.44*	
		For >500, Deduct	*-48.28*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	362.81	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 250, Deduct	*-23.17*	
		For >250 To 500, Deduct	*-36.44*	
		For >500, Deduct	*-49.71*	
		For Hot Dipped Galvanized, Add	*148.16*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	362.81	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 250, Deduct	*-23.17*	
		For >250 To 500, Deduct	*-36.44*	
		For >500, Deduct	*-49.71*	
		For Hot Dipped Galvanized, Add	*148.16*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	12.49	4.42
		For >10 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 250, Deduct	*-2.10*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-5.19*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.02	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.74*	
		For >250 To 500, Deduct	*-6.53*	
		For >500, Deduct	*-9.33*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.22	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.35*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.34	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.36*	
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.56	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-4.34*	
		For >250 To 500, Deduct	*-7.58*	
		For >500, Deduct	*-10.82*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.98	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-10.09*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	22.74	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.35*	
		For >250 To 500, Deduct	*-7.60*	
		For >500, Deduct	*-10.84*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.06	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.62*	
		For >500, Deduct	*-10.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.57	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-5.23*	
		For >250 To 500, Deduct	*-9.14*	
		For >500, Deduct	*-13.04*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.97	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 250, Deduct	*-5.57*	
		For >250 To 500, Deduct	*-9.71*	
		For >500, Deduct	*-13.85*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.77	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-6.19*	
		For >250 To 500, Deduct	*-10.78*	
		For >500, Deduct	*-15.37*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.42	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.38*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.91*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.68	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 500, Deduct	*-8.21*	
		For >500, Deduct	*-11.71*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.37	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-5.01*	
		For >250 To 500, Deduct	*-8.73*	
		For >500, Deduct	*-12.45*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	30.69	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-5.60*	
		For >250 To 500, Deduct	*-9.76*	
		For >500, Deduct	*-13.92*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	36.08	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-6.52*	
		For >250 To 500, Deduct	*-11.34*	
		For >500, Deduct	*-16.17*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	40.45	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-3.58*	
		For >100 To 250, Deduct	*-7.16*	
		For >250 To 500, Deduct	*-12.46*	
		For >500, Deduct	*-17.75*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	32.07	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 500, Deduct	*-9.47*	
		For >500, Deduct	*-13.49*	
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	34.79	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-5.81*	
		For >250 To 500, Deduct	*-10.07*	
		For >500, Deduct	*-14.33*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	41.71	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-6.80*	
		For >250 To 500, Deduct	*-11.77*	
		For >500, Deduct	*-16.74*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.95	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-3.64*	
		For >100 To 250, Deduct	*-7.28*	
		For >250 To 500, Deduct	*-12.56*	
		For >500, Deduct	*-17.84*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	50.98	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.90*	
		For >250 To 500, Deduct	*-13.64*	
		For >500, Deduct	*-19.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	51.97	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.08*	
		For >100 To 250, Deduct	*-8.17*	
		For >250 To 500, Deduct	*-14.11*	
		For >500, Deduct	*-20.05*	

06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.38	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.56*	
		For >500, Deduct	*-9.36*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.75	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.59*	
		For >500, Deduct	*-9.40*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	20.16	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.79*	
		For >250 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.44*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.95	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.69*	
		For >500, Deduct	*-10.96*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.48	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-7.11*	
		For >500, Deduct	*-10.14*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.52	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.92*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	23.98	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.69*	
		For >500, Deduct	*-10.97*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.97	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-9.24*	
		For >500, Deduct	*-13.18*	
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	31.53	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.65*	
		For >250 To 500, Deduct	*-9.83*	
		For >500, Deduct	*-14.01*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.23	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.13*	
		For >100 To 250, Deduct	*-6.26*	
		For >250 To 500, Deduct	*-10.89*	
		For >500, Deduct	*-15.52*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.59	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.22*	
		For >100 To 250, Deduct	*-4.44*	
		For >250 To 500, Deduct	*-7.73*	
		For >500, Deduct	*-11.03*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.61	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-8.28*	
		For >500, Deduct	*-11.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.47	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 500, Deduct	*-8.81*	
		For >500, Deduct	*-12.56*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.27	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-5.68*	
		For >250 To 500, Deduct	*-9.88*	
		For >500, Deduct	*-14.08*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.63	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 500, Deduct	*-11.46*	
		For >500, Deduct	*-16.33*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	41.64	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-7.22*	
		For >250 To 500, Deduct	*-12.55*	
		For >500, Deduct	*-17.87*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	35.60	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.64*	
		For >250 To 500, Deduct	*-9.74*	
		For >500, Deduct	*-13.84*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	37.25	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.93*	
		For >250 To 500, Deduct	*-10.25*	
		For >500, Deduct	*-14.58*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	43.46	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 250, Deduct	*-6.88*	
		For >250 To 500, Deduct	*-11.90*	
		For >500, Deduct	*-16.91*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	46.82	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-3.63*	
		For >100 To 250, Deduct	*-7.27*	
		For >250 To 500, Deduct	*-12.55*	
		For >500, Deduct	*-17.82*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	53.25	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-4.01*	
		For >100 To 250, Deduct	*-8.02*	
		For >250 To 500, Deduct	*-13.81*	
		For >500, Deduct	*-19.61*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	56.71	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.20*	
		For >100 To 250, Deduct	*-8.41*	
		For >250 To 500, Deduct	*-14.46*	
		For >500, Deduct	*-20.52*	

06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.47	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.81*	
		For >250 To 500, Deduct	*-6.64*	
		For >500, Deduct	*-9.47*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	22.56	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.68*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.93	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.98*	
		For >250 To 500, Deduct	*-6.90*	
		For >500, Deduct	*-9.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	41.52	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 500, Deduct	*-9.00*	
		For >500, Deduct	*-12.72*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	23.84	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.38*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.30	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.31*	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 500, Deduct	*-8.01*	
		For >500, Deduct	*-11.40*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	28.96	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-8.06*	
		For >500, Deduct	*-11.46*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	55.06	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-6.61*	
		For >250 To 500, Deduct	*-11.20*	
		For >500, Deduct	*-15.79*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	67.38	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-7.44*	
		For >250 To 500, Deduct	*-12.51*	
		For >500, Deduct	*-17.59*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	75.52	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-4.14*	
		For >100 To 250, Deduct	*-8.27*	
		For >250 To 500, Deduct	*-13.91*	
		For >500, Deduct	*-19.54*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.74	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.64*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.09	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 500, Deduct	*-8.92*	
		For >500, Deduct	*-12.65*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	42.86	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 250, Deduct	*-5.78*	
		For >250 To 500, Deduct	*-9.89*	
		For >500, Deduct	*-13.99*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	69.30	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-7.53*	
		For >250 To 500, Deduct	*-12.66*	
		For >500, Deduct	*-17.78*	
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	78.20	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-8.62*	
		For >250 To 500, Deduct	*-14.50*	
		For >500, Deduct	*-20.38*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	124.30	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 250, Deduct	*-11.36*	
		For >250 To 500, Deduct	*-18.75*	
		For >500, Deduct	*-26.14*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	96.48	
		For >10 To 50, Deduct	*-1.36*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 250, Deduct	*-8.89*	
		For >250 To 500, Deduct	*-14.70*	
		For >500, Deduct	*-20.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	137.31	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-5.79*	
		For >100 To 250, Deduct	*-11.58*	
		For >250 To 500, Deduct	*-18.94*	
		For >500, Deduct	*-26.30*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	152.37	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-6.27*	
		For >100 To 250, Deduct	*-12.55*	
		For >250 To 500, Deduct	*-20.46*	
		For >500, Deduct	*-28.38*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	226.18	
		For >10 To 50, Deduct	*-1.79*	
		For >50 To 100, Deduct	*-8.33*	
		For >100 To 250, Deduct	*-16.66*	
		For >250 To 500, Deduct	*-26.78*	
		For >500, Deduct	*-36.90*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	237.96	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-8.73*	
		For >100 To 250, Deduct	*-17.47*	
		For >250 To 500, Deduct	*-28.06*	
		For >500, Deduct	*-38.65*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	30.13	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.44*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	33.80	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-4.47*	
		For >250 To 500, Deduct	*-7.64*	
		For >500, Deduct	*-10.80*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	36.48	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.64*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	43.01	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-5.36*	
		For >250 To 500, Deduct	*-9.12*	
		For >500, Deduct	*-12.87*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	59.35	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-6.18*	
		For >250 To 500, Deduct	*-10.34*	
		For >500, Deduct	*-14.50*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	64.74	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-11.14*	
		For >500, Deduct	*-15.61*	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	69.81	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-7.13*	
		For >250 To 500, Deduct	*-11.91*	
		For >500, Deduct	*-16.69*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	18.13	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.58*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	18.30	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.97*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	18.66	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.61*	
		For >250 To 500, Deduct	*-6.31*	
		For >500, Deduct	*-9.01*	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	19.98	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.85*	
		For >500, Deduct	*-9.78*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	21.71	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.21*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.51*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	22.10	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-7.39*	
		For >500, Deduct	*-10.55*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	27.06	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 500, Deduct	*-8.91*	
		For >500, Deduct	*-12.71*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	28.67	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.41*	
		For >500, Deduct	*-13.42*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	22.12	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.43*	
		For >500, Deduct	*-10.61*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	24.07	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.56*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-11.36*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	26.20	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.88*	
		For >250 To 500, Deduct	*-8.51*	
		For >500, Deduct	*-12.14*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	29.83	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.62*	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	35.15	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-6.38*	
		For >250 To 500, Deduct	*-11.11*	
		For >500, Deduct	*-15.84*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	38.36	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-6.96*	
		For >250 To 500, Deduct	*-12.12*	
		For >500, Deduct	*-17.28*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	32.18	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-5.60*	
		For >250 To 500, Deduct	*-9.73*	
		For >500, Deduct	*-13.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	38.42	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-6.54*	
		For >250 To 500, Deduct	*-11.35*	
		For >500, Deduct	*-16.16*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	42.50	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-6.95*	
		For >250 To 500, Deduct	*-12.04*	
		For >500, Deduct	*-17.13*	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	47.76	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-3.82*	
		For >100 To 250, Deduct	*-7.64*	
		For >250 To 500, Deduct	*-13.21*	
		For >500, Deduct	*-18.78*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	53.47	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-4.07*	
		For >100 To 250, Deduct	*-8.13*	
		For >250 To 500, Deduct	*-14.02*	
		For >500, Deduct	*-19.90*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.21	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.96*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.48	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.80*	
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-6.29*	
		For >500, Deduct	*-8.99*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.75	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.32*	
		For >500, Deduct	*-9.02*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.13	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.86*	
		For >500, Deduct	*-9.79*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	21.94	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-4.22*	
		For >250 To 500, Deduct	*-7.38*	
		For >500, Deduct	*-10.53*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.38	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.41*	
		For >500, Deduct	*-10.57*	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	27.59	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-8.95*	
		For >500, Deduct	*-12.76*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	29.55	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.47*	
		For >500, Deduct	*-13.51*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.52	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 250, Deduct	*-4.28*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	24.29	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.57*	
		For >250 To 500, Deduct	*-7.98*	
		For >500, Deduct	*-11.39*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	26.60	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.45*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-8.54*	
		For >500, Deduct	*-12.18*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	31.02	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-9.64*	
		For >500, Deduct	*-13.74*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	35.73	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 250, Deduct	*-6.41*	
		For >250 To 500, Deduct	*-11.15*	
		For >500, Deduct	*-15.89*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	39.79	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-7.03*	
		For >250 To 500, Deduct	*-12.22*	
		For >500, Deduct	*-17.42*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	33.06	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 250, Deduct	*-5.64*	
		For >250 To 500, Deduct	*-9.79*	
		For >500, Deduct	*-13.94*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	39.22	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-6.58*	
		For >250 To 500, Deduct	*-11.41*	
		For >500, Deduct	*-16.24*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	43.83	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-7.02*	
		For >250 To 500, Deduct	*-12.14*	
		For >500, Deduct	*-17.26*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	50.92	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-3.90*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-13.44*	
		For >500, Deduct	*-19.09*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	56.85	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-8.30*	
		For >250 To 500, Deduct	*-14.27*	
		For >500, Deduct	*-20.24*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	19.16	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 500, Deduct	*-6.35*	
		For >500, Deduct	*-9.06*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.15	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-6.42*	
		For >500, Deduct	*-9.16*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.81	
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 500, Deduct	*-6.62*	
		For >500, Deduct	*-9.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	22.81	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.06*	
		For >500, Deduct	*-10.06*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	25.69	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.91*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	27.39	
		For >10 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-7.79*	
		For >500, Deduct	*-11.08*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	55.27	
		For >10 To 50, Deduct	*-1.25*	
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-6.52*	
		For >250 To 500, Deduct	*-11.02*	
		For >500, Deduct	*-15.53*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	77.41	
		For >10 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.91*	
		For >100 To 250, Deduct	*-7.83*	
		For >250 To 500, Deduct	*-13.06*	
		For >500, Deduct	*-18.30*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	27.60	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-11.16*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	32.55	
		For >10 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.49*	
		For >100 To 250, Deduct	*-4.99*	
		For >250 To 500, Deduct	*-8.60*	
		For >500, Deduct	*-12.21*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	40.10	
		For >10 To 50, Deduct	*-1.19*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 250, Deduct	*-5.58*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.53*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	82.42	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-4.05*	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 500, Deduct	*-13.49*	
		For >500, Deduct	*-18.88*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	112.04	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.11*	
		For >100 To 250, Deduct	*-10.22*	
		For >250 To 500, Deduct	*-16.87*	
		For >500, Deduct	*-23.52*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	130.81	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-5.79*	
		For >100 To 250, Deduct	*-11.58*	
		For >250 To 500, Deduct	*-19.05*	
		For >500, Deduct	*-26.52*	
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	121.21	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-5.02*	
		For >100 To 250, Deduct	*-10.05*	
		For >250 To 500, Deduct	*-16.40*	
		For >500, Deduct	*-22.76*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	138.57	
		For >10 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-5.77*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-18.86*	
		For >500, Deduct	*-26.18*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	144.19	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-6.02*	
		For >100 To 250, Deduct	*-12.04*	
		For >250 To 500, Deduct	*-19.67*	
		For >500, Deduct	*-27.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	199.53	
		For >10 To 50, Deduct	*-1.75*	
		For >50 To 100, Deduct	*-7.61*	
		For >100 To 250, Deduct	*-15.23*	
		For >250 To 500, Deduct	*-24.59*	
		For >500, Deduct	*-33.95*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	217.66	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 250, Deduct	*-16.34*	
		For >250 To 500, Deduct	*-26.33*	
		For >500, Deduct	*-36.32*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.83	
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.88	
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.96	
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	3.18	

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.61	
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.66	
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.73	
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.92	
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.66	
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.70	
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.78	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	3.02	

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	44.26	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-6.65*	
		For >250 To 500, Deduct	*-11.45*	
		For >500, Deduct	*-16.25*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	50.00	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-7.46*	
		For >250 To 500, Deduct	*-12.85*	
		For >500, Deduct	*-18.23*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	54.00	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-3.99*	
		For >100 To 250, Deduct	*-7.99*	
		For >250 To 500, Deduct	*-13.74*	
		For >500, Deduct	*-19.50*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	60.06	
		For >10 To 50, Deduct	*-1.86*	
		For >50 To 100, Deduct	*-4.29*	
		For >100 To 250, Deduct	*-8.59*	
		For >250 To 500, Deduct	*-14.75*	
		For >500, Deduct	*-20.90*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	63.90	
		For >10 To 50, Deduct	*-1.96*	
		For >50 To 100, Deduct	*-4.54*	
		For >100 To 250, Deduct	*-9.08*	
		For >250 To 500, Deduct	*-15.59*	
		For >500, Deduct	*-22.09*	
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	66.38	
		For >10 To 50, Deduct	*-2.05*	
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-9.47*	
		For >250 To 500, Deduct	*-16.25*	
		For >500, Deduct	*-23.03*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	59.47	
		For >10 To 50, Deduct	*-1.76*	
		For >50 To 100, Deduct	*-4.13*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-14.15*	
		For >500, Deduct	*-20.04*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	62.19	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-8.61*	
		For >250 To 500, Deduct	*-14.75*	
		For >500, Deduct	*-20.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	68.79	
		For >10 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-9.26*	
		For >250 To 500, Deduct	*-15.84*	
		For >500, Deduct	*-22.41*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	73.82	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-4.91*	
		For >100 To 250, Deduct	*-9.82*	
		For >250 To 500, Deduct	*-16.77*	
		For >500, Deduct	*-23.72*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	79.28	
		For >10 To 50, Deduct	*-2.14*	
		For >50 To 100, Deduct	*-5.20*	
		For >100 To 250, Deduct	*-10.39*	
		For >250 To 500, Deduct	*-17.73*	
		For >500, Deduct	*-25.07*	
06 05 23 00-0258		Supports *(06 05 23)*		
06 05 23 00-0259		Shear Plates *(06 05 23 00-0258)*		
06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	17.88	5.29
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.61*	
		For >500, Deduct	*-6.55*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	17.42	5.57
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.72*	
		For >500, Deduct	*-6.71*	
06 05 23 00-0262		Sill Anchors *(06 05 23 00-0258)*		
06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	15.80	5.57
		For >10 To 50, Deduct	*-0.62*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-4.60*	
		For >500, Deduct	*-6.54*	
06 05 23 00-0264		Spike Grids *(06 05 23 00-0258)*		
06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	14.28	5.29
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.34*	
		For >500, Deduct	*-6.19*	
06 05 23 00-0266		Split Rings *(06 05 23 00-0258)*		
06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	18.08	5.29
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-4.63*	
		For >500, Deduct	*-6.57*	
06 05 23 00-0268	EA	4" Diameter Split Ring	19.50	5.85
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-5.03*	
		For >500, Deduct	*-7.15*	
06 05 23 00-0269		Toothed Rings *(06 05 23 00-0258)*		
06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	14.99	5.29
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.26*	
06 05 23 00-0271		Straps And Shields *(06 05 23)*		
06 05 23 00-0272		Shield Plate *(06 05 23 00-0271)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	10.74	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	17.07	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.69*	
06 05 23 00-0275		Strap Ties *(06 05 23 00-0271)*		
06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	4.17	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-1.07*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	4.27	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.18*	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-1.08*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	5.45	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.37*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	5.67	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.88	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.41*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	6.76	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-1.04*	
		For >500, Deduct	*-1.66*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	8.75	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.86*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	10.15	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.17*	
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	4.61	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.12*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.78	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.71*	
		For >500, Deduct	*-1.13*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	6.08	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	6.34	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.46*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	6.47	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	7.39	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.72*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	9.17	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	10.16	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.17*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	16.01	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.91*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	5.44	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	5.45	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.20*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	6.63	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.48*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	9.17	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.90*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	7.81	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.44*	
06 05 23 00-0298	EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	8.61	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.52*	
06 05 23 00-0299	EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	11.29	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.95*	
06 05 23 00-0300	EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	16.78	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0301	EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	20.90	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.30*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.24*	
06 05 23 00-0302	EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	30.90	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.92*	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-4.40*	
06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	53.73	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.83*	
		For >500, Deduct	*-6.85*	
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	69.23	
		For >10 To 50, Deduct	*-0.18*	
		For >50 To 100, Deduct	*-1.91*	
		For >100 To 250, Deduct	*-3.82*	
		For >250 To 500, Deduct	*-6.08*	
		For >500, Deduct	*-8.57*	
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	20.00	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.98*	
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	25.81	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.77*	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.73*	
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	30.13	
		For >10 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.79*	
		For >250 To 500, Deduct	*-2.97*	
		For >500, Deduct	*-4.33*	
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	45.82	
		For >10 To 50, Deduct	*-0.16*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.61*	
		For >250 To 500, Deduct	*-4.24*	
		For >500, Deduct	*-6.06*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	4.87	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	6.12	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.35*	
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	7.05	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.53*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	7.64	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.06*	
		For >500, Deduct	*-1.67*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	4.81	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.14*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)		6.22	
		For >10 To 50, Deduct		*-0.08*	
		For >50 To 100, Deduct		*-0.24*	
		For >100 To 250, Deduct		*-0.47*	
		For >250 To 500, Deduct		*-0.87*	
		For >500, Deduct		*-1.36*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)		7.22	
		For >10 To 50, Deduct		*-0.09*	
		For >50 To 100, Deduct		*-0.27*	
		For >100 To 250, Deduct		*-0.54*	
		For >250 To 500, Deduct		*-0.99*	
		For >500, Deduct		*-1.54*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)		7.70	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.29*	
		For >100 To 250, Deduct		*-0.58*	
		For >250 To 500, Deduct		*-1.07*	
		For >500, Deduct		*-1.67*	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)		10.50	
		For >10 To 50, Deduct		*-0.11*	
		For >50 To 100, Deduct		*-0.37*	
		For >100 To 250, Deduct		*-0.74*	
		For >250 To 500, Deduct		*-1.32*	
		For >500, Deduct		*-2.03*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)		8.03	
		For >10 To 50, Deduct		*-0.08*	
		For >50 To 100, Deduct		*-0.28*	
		For >100 To 250, Deduct		*-0.56*	
		For >250 To 500, Deduct		*-1.00*	
		For >500, Deduct		*-1.54*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)		9.61	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.34*	
		For >100 To 250, Deduct		*-0.68*	
		For >250 To 500, Deduct		*-1.21*	
		For >500, Deduct		*-1.86*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)		11.16	
		For >10 To 50, Deduct		*-0.11*	
		For >50 To 100, Deduct		*-0.39*	
		For >100 To 250, Deduct		*-0.77*	
		For >250 To 500, Deduct		*-1.37*	
		For >500, Deduct		*-2.10*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)		8.04	
		For >10 To 50, Deduct		*-0.09*	
		For >50 To 100, Deduct		*-0.29*	
		For >100 To 250, Deduct		*-0.58*	
		For >250 To 500, Deduct		*-1.05*	
		For >500, Deduct		*-1.63*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)		9.19	
		For >10 To 50, Deduct		*-0.09*	
		For >50 To 100, Deduct		*-0.32*	
		For >100 To 250, Deduct		*-0.64*	
		For >250 To 500, Deduct		*-1.14*	
		For >500, Deduct		*-1.74*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)		11.02	
		For >10 To 50, Deduct		*-0.09*	
		For >50 To 100, Deduct		*-0.36*	
		For >100 To 250, Deduct		*-0.73*	
		For >250 To 500, Deduct		*-1.27*	
		For >500, Deduct		*-1.92*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)		13.72	
		For >10 To 50, Deduct		*-0.11*	
		For >50 To 100, Deduct		*-0.45*	
		For >100 To 250, Deduct		*-0.90*	
		For >250 To 500, Deduct		*-1.56*	
		For >500, Deduct		*-2.36*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)		27.14	
		For >10 To 50, Deduct		*-0.11*	
		For >50 To 100, Deduct		*-0.79*	
		For >100 To 250, Deduct		*-1.57*	
		For >250 To 500, Deduct		*-2.57*	
		For >500, Deduct		*-3.70*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)		27.26	
		For >10 To 50, Deduct		*-0.11*	
		For >50 To 100, Deduct		*-0.79*	
		For >100 To 250, Deduct		*-1.58*	
		For >250 To 500, Deduct		*-2.58*	
		For >500, Deduct		*-3.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)	36.59	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.64*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)	34.37	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-3.11*	
		For >500, Deduct	*-4.42*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)	37.25	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.33*	
		For >500, Deduct	*-4.71*	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)	39.44	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)	59.68	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 250, Deduct	*-3.20*	
		For >250 To 500, Deduct	*-5.01*	
		For >500, Deduct	*-6.95*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)	3.83	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)	4.01	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.66*	
		For >500, Deduct	*-1.06*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber	814.90	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber	145.92	

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	5.53	2.44
		For Each Additional 2" x_" In The Built Up Member, Add	*0.90*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	6.85	2.88
		For Each Additional 2" x_" In The Built Up Member, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	8.72	3.44
		For Each Additional 2" x_" In The Built Up Member, Add	*1.77*	
06 11 13 00-0006		**Built-Up Posts** *(06 11 13 00-0001)*		
06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	5.53	2.44
		For Each Additional 2" x_" In The Built Up Member, Add	*0.90*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	6.85	2.88
		For Each Additional 2" x_" In The Built Up Member, Add	*1.27*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	8.72	3.44
		For Each Additional 2" x_" In The Built Up Member, Add	*1.77*	
06 11 16		**Mechanically Graded Lumber** *(06 11)*		
06 11 16 00-0001		Rafters And Joists *(06 11 16)*		
06 11 16 00-0002		Rafters *(06 11 16 00-0001)*		
		Note: An inclined roof framing member to which a roof covering is attached.		
06 11 16 00-0003	LF	2" x 6" Wood Rafter	3.20	1.72
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.71	1.86
06 11 16 00-0005	LF	2" x 10" Wood Rafter	5.37	2.73
06 11 16 00-0006	LF	2" x 12" Wood Rafter	6.16	3.02
06 11 16 00-0007	LF	2" x 14" Wood Rafter	6.69	3.30
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.17	1.72
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	3.66	1.86
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	5.11	2.73
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	5.99	3.02
06 11 16 00-0012		Joists *(06 11 16 00-0001)*		
		Note: A series of parallel beams to support floors or ceilings.		
06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.76	1.44
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	3.43	1.58
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	4.35	2.02
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	5.16	2.30
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	5.68	2.44
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.73	1.44
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.38	1.58
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	4.09	2.02
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	4.99	2.30
06 11 16 00-0022		Purlins *(06 11 16 00-0001)*		
		Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.		
06 11 16 00-0023	LF	2" x 4" Wood Purlin	2.26	0.86
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.79	0.95
06 11 16 00-0025	LF	2" x 8" Wood Purlin	3.36	1.05
06 11 16 00-0026	LF	2" x 10" Wood Purlin	4.07	1.14
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.24	0.86
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	2.76	0.95
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.31	1.05
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	3.81	1.14
06 11 16 00-0031		Exposed Rafters Or Joists *(06 11 16 00-0001)*		
06 11 16 00-0032		Redwood Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	4.07	1.44
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.96	1.58
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	6.16	2.02
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	7.46	2.30
06 11 16 00-0037		Cedar Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.77	1.44
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	3.13	1.58
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	3.60	2.02
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	4.10	2.30
06 11 16 00-0042		Oak Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	3.30	1.44
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	4.48	1.58
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	5.78	2.02
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	7.10	2.30
06 11 16 00-0047		Framing *(06 11 16)*		
06 11 16 00-0048		Partition Framing *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.19	1.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.62	1.23
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	3.06	1.30
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.17	1.14
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.59	1.23
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.01	1.30
06 11 16 00-0055		Wall Framing Assemblies *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		Wall Framing By The SF, 12" On Center *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.82	1.39
		For Up To 200, Add	*0.97*	
		For >200 To 500, Add	*0.49*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.78	1.78
		For Up To 200, Add	*1.28*	
		For >200 To 500, Add	*0.64*	
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	5.04	2.37
		For Up To 200, Add	*1.71*	
		For >200 To 500, Add	*0.85*	
06 11 16 00-0060		Wall Framing By The SF, 16" On Center *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.29	1.12
		For Up To 200, Add	*0.79*	
		For >200 To 500, Add	*0.39*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	3.14	1.49
		For Up To 200, Add	*1.06*	
		For >200 To 500, Add	*0.53*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	4.20	1.97
		For Up To 200, Add	*1.42*	
		For >200 To 500, Add	*0.71*	
06 11 16 00-0064		Wall Framing By The SF, 24" On Center *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.81	0.88
		For Up To 200, Add	*0.62*	
		For >200 To 500, Add	*0.31*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.46	1.15
		For Up To 200, Add	*0.83*	
		For >200 To 500, Add	*0.42*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.29	1.54
		For Up To 200, Add	*1.11*	
		For >200 To 500, Add	*0.56*	
06 11 16 00-0068		Sills And Plates *(06 11 16)*		
06 11 16 00-0069		Sills *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	3.77	2.16
06 11 16 00-0071	LF	2" x 6" Wood Sill	4.50	2.44
06 11 16 00-0072	LF	2" x 8" Wood Sill	5.32	2.73
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	3.75	2.16
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	4.47	2.44
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	5.27	2.73
06 11 16 00-0076		Plates *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	3.77	2.16
06 11 16 00-0078	LF	2" x 6" Wood Plate	4.50	2.44
06 11 16 00-0079	LF	2" x 8" Wood Plate	5.29	2.73
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.75	2.16
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	4.47	2.44
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	5.24	2.73
06 11 16 00-0083		Sills And Plates From Redwood *(06 11 16 00-0068)*		
06 11 16 00-0084		Construction Grade/Rough *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	7.03	2.44
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	9.29	2.73
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	11.29	3.02
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	13.63	3.30
06 11 16 00-0089		Con Heart/Smooth *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	8.50	2.44
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	11.49	2.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	15.01	3.02
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	18.05	3.30
06 11 16 00-0094		**Suspended Ceiling Framing** *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	3.12	1.86
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	3.39	2.02
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing	3.55	2.16
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing	3.65	2.16
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing	4.33	2.44
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.31	1.86
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.40	2.02
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.59	2.16
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.63	2.16
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.26	2.44
06 11 16 00-0105		**Posts And Girts** *(06 11 16)*		
06 11 16 00-0106		**Posts** *(06 11 16 00-0105)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0107	LF	4" x 4" Wood Post	5.42	2.73
06 11 16 00-0108	LF	4" x 5" Wood Post	6.18	3.16
06 11 16 00-0109	LF	4" x 6" Wood Post	6.83	3.44
06 11 16 00-0110	LF	6" x 6" Wood Post	7.57	3.74
06 11 16 00-0111	LF	8" x 8" Wood Post	8.34	3.88
06 11 16 00-0112	LF	10" x 10" Wood Post	9.10	4.46
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post	6.06	2.73
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post	6.91	3.44
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post	8.26	3.44
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post	10.89	3.74
06 11 16 00-0117		**Girts** *(06 11 16 00-0105)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF	2" x 4" Wood Girt	2.61	1.03
06 11 16 00-0119	LF	2" x 6" Wood Girt	3.17	1.13
06 11 16 00-0120	LF	2" x 8" Wood Girt	3.77	1.25
06 11 16 00-0121	LF	2" x 10" Wood Girt	4.52	1.38
06 11 16 00-0122	LF	4" x 4" Wood Girt	5.27	2.07
06 11 16 00-0123	LF	4" x 5" Wood Girt	6.04	2.33
06 11 16 00-0124	LF	4" x 6" Wood Girt	6.80	2.58
06 11 16 00-0125	LF	6" x 6" Wood Girt	7.55	2.85
06 11 16 00-0126	LF	8" x 8" Wood Girt	8.32	3.10
06 11 16 00-0127	LF	10" x 10" Wood Girt	9.08	3.37
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt	2.59	1.03
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt	3.14	1.13
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt	3.72	1.25
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt	4.26	1.38
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt	6.06	2.07
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt	6.91	2.58
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt	8.26	2.58
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt	10.89	2.85
06 11 16 00-0136		**Construction Grade/Rough Redwood Posts** *(06 11 16 00-0105)*		
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post	10.76	2.73
		For Smooth "Clear", Add	*1.33*	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post	12.93	3.16
		For Smooth "Clear", Add	*1.66*	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post	15.14	3.44
		For Smooth "Clear", Add	*1.99*	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post	18.68	3.54
		For Smooth "Clear", Add	*2.66*	
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post	22.32	3.78
		For Smooth "Clear", Add	*3.32*	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post	20.63	3.74
		For Smooth "Clear", Add	*2.99*	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post	25.83	3.88
		For Smooth "Clear", Add	*3.98*	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post	30.97	3.64
		For Smooth "Clear", Add	*4.98*	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post	32.78	3.88
		For Smooth "Clear", Add	*5.31*	
06 11 16 00-0146		**Stair Stringers** *(06 11 16)*		
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer	10.35	5.74
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer	12.23	6.76
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer	10.13	5.74
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer	12.03	6.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0151		Blocking And Sleepers *(06 11 16)*		
06 11 16 00-0152		Blocking *(06 11 16 00-0151)*		
06 11 16 00-0153		Blocking To Wood *(06 11 16 00-0152)*		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood	7.65	3.45
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood	8.85	3.80
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood	9.97	4.17
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood	11.37	4.59
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood	13.34	5.05
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood	7.44	3.45
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood	8.49	3.80
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood	9.62	4.17
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood	10.49	4.59
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood	11.76	5.05
06 11 16 00-0164		Blocking To Steel *(06 11 16 00-0152)*		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel	8.77	3.97
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel	10.11	4.37
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel	11.39	4.80
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	8.53	3.97
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	9.72	4.37
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	11.01	4.80
06 11 16 00-0171		Blocking To Concrete *(06 11 16 00-0152)*		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.77	3.97
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	10.11	4.37
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	11.39	4.80
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	8.53	3.97
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	9.72	4.37
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	11.01	4.80
06 11 16 00-0178		Pressure Treated Lattice *(06 11 16 00-0151)*		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	8.04	3.02
06 11 16 00-0180		Sleepers *(06 11 16 00-0151)*		
06 11 16 00-0181		Sleepers To Wood *(06 11 16 00-0180)*		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.43	0.51
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.52	0.58
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.81	0.65
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.33	0.79
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	2.98	0.86
06 11 16 00-0187		Sleepers To Concrete *(06 11 16 00-0180)*		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.48	0.51
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.56	0.58
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.86	0.65
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.41	0.79
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.10	0.86
06 11 16 00-0193		Roofing Nailers *(06 11 16)*		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.82	1.14
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.31	1.23
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	4.82	1.30
06 11 16 00-0197		Roofing Sleepers *(06 11 16)*		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.59	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.03	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	5.66	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	8.08	
06 11 16 00-0202		Canopy Framing, Bridging, And Furring *(06 11 16)*		
06 11 16 00-0203		Wood And Steel Bridging *(06 11 16 00-0202)*		
06 11 16 00-0204		Wood Bridging *(06 11 16 00-0203)*		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	11.53	5.03
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	11.82	5.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0207		Steel Bridging *(06 11 16 00-0203)*		
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	13.76	5.03
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	13.72	5.03
06 11 16 00-0210		Light Framing, Trim And Furring *(06 11 16 00-0202)*		
06 11 16 00-0211		Pine/Spruce/Fir Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.53	1.17
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.82	1.30
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.24	1.42
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.60	1.57
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.99	1.72
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.41	1.89
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.62	1.57
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	4.03	1.72
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.69	1.89
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.43	2.09
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	6.35	2.30
06 11 16 00-0223		Cedar Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.56	1.17
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.97	1.30
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.82	1.42
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	4.58	1.57
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	6.56	1.72
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	7.69	1.89
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.99	1.57
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	4.58	1.72
06 11 16 00-0232		Oak Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	2.57	1.17
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	2.99	1.30
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	3.67	1.42
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	4.36	1.57
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	5.08	1.72
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	5.85	1.89
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.95	1.57
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	5.09	1.72
06 11 16 00-0241		Redwood Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.50	1.17
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.88	1.30
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	3.47	1.42
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	4.12	1.57
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.83	1.72
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	5.61	1.89
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	4.14	1.57
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.85	1.72
06 11 16 00-0250		Poplar Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.85	1.17
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.42	1.30
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.24	1.42
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.31	1.57
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	6.13	1.72
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.95	1.89
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.54	1.89
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.79	1.57
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.59	1.72
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	10.01	1.89
06 11 16 00-0261		Maple Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	5.17	1.42
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	6.74	1.57
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	8.36	1.72

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13	**Heavy Timber Construction** *(06 10)*				
06 13 23	**Heavy Timber Framing** *(06 13)*				
06 13 23 00-0001	Heavy Timber Framing *(06 13 23)*		Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.		
06 13 23 00-0002	Heavy Timber Beams *(06 13 23 00-0001)*				
06 13 23 00-0003	Pine, Heavy Timber Beams *(06 13 23 00-0002)*				
06 13 23 00-0004		LF	4" x 4", Pine, Heavy Timber Beam	7.13	2.55
06 13 23 00-0005		LF	4" x 6", Pine, Heavy Timber Beam	8.37	2.65
06 13 23 00-0006		LF	4" x 8", Pine, Heavy Timber Beam	9.59	2.76
06 13 23 00-0007		LF	4" x 10", Pine, Heavy Timber Beam	12.05	2.95
06 13 23 00-0008		LF	4" x 12", Pine, Heavy Timber Beam	14.09	3.13
06 13 23 00-0009		LF	6" x 6", Pine, Heavy Timber Beam	10.26	2.88
06 13 23 00-0010		LF	6" x 8", Pine, Heavy Timber Beam	12.04	3.02
06 13 23 00-0011		LF	6" x 10", Pine, Heavy Timber Beam	15.71	3.23
06 13 23 00-0012		LF	6" x 12", Pine, Heavy Timber Beam	18.35	3.30
06 13 23 00-0013		LF	8" x 8", Pine, Heavy Timber Beam	14.37	3.13
06 13 23 00-0014		LF	8" x 10", Pine, Heavy Timber Beam	18.79	3.23
06 13 23 00-0015		LF	8" x 12", Pine, Heavy Timber Beam	22.39	3.30
06 13 23 00-0016		LF	10" x 10", Pine, Heavy Timber Beam	22.16	3.30
06 13 23 00-0017		LF	10" x 12", Pine, Heavy Timber Beam	26.77	3.60
06 13 23 00-0018		LF	12" x 12", Pine, Heavy Timber Beam	31.40	3.95
06 13 23 00-0019	Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*				
06 13 23 00-0020		LF	4" x 4", Douglas Fir, Heavy Timber Beam	7.34	2.55
06 13 23 00-0021		LF	4" x 6", Douglas Fir, Heavy Timber Beam	8.67	2.65
06 13 23 00-0022		LF	4" x 8", Douglas Fir, Heavy Timber Beam	10.00	2.76
06 13 23 00-0023		LF	4" x 10", Douglas Fir, Heavy Timber Beam	12.67	2.95
06 13 23 00-0024		LF	4" x 12", Douglas Fir, Heavy Timber Beam	14.86	3.13
06 13 23 00-0025		LF	6" x 6", Douglas Fir, Heavy Timber Beam	10.71	2.88
06 13 23 00-0026		LF	6" x 8", Douglas Fir, Heavy Timber Beam	12.64	3.02
06 13 23 00-0027		LF	6" x 10", Douglas Fir, Heavy Timber Beam	16.62	3.23
06 13 23 00-0028		LF	6" x 12", Douglas Fir, Heavy Timber Beam	19.53	3.30
06 13 23 00-0029		LF	8" x 8", Douglas Fir, Heavy Timber Beam	15.18	3.13
06 13 23 00-0030		LF	8" x 10", Douglas Fir, Heavy Timber Beam	20.02	3.23
06 13 23 00-0031		LF	8" x 12", Douglas Fir, Heavy Timber Beam	23.96	3.30
06 13 23 00-0032		LF	10" x 10", Douglas Fir, Heavy Timber Beam	23.69	3.30
06 13 23 00-0033		LF	10" x 12", Douglas Fir, Heavy Timber Beam	28.70	3.60
06 13 23 00-0034		LF	12" x 12", Douglas Fir, Heavy Timber Beam	33.74	3.95
06 13 23 00-0035	Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*				
06 13 23 00-0036		LF	4" x 4", Pressure Treated, Heavy Timber Beam	7.04	2.55
06 13 23 00-0037		LF	4" x 6", Pressure Treated, Heavy Timber Beam	8.40	2.65
06 13 23 00-0038		LF	4" x 8", Pressure Treated, Heavy Timber Beam	9.60	2.76
06 13 23 00-0039		LF	4" x 10", Pressure Treated, Heavy Timber Beam	12.05	2.95
06 13 23 00-0040		LF	4" x 12", Pressure Treated, Heavy Timber Beam	14.08	3.13
06 13 23 00-0041		LF	6" x 6", Pressure Treated, Heavy Timber Beam	10.89	2.88
06 13 23 00-0042		LF	6" x 8", Pressure Treated, Heavy Timber Beam	12.91	3.02
06 13 23 00-0043		LF	6" x 10", Pressure Treated, Heavy Timber Beam	15.18	3.23
06 13 23 00-0044		LF	6" x 12", Pressure Treated, Heavy Timber Beam	18.05	3.30
06 13 23 00-0045		LF	8" x 8", Pressure Treated, Heavy Timber Beam	18.05	3.13
06 13 23 00-0046		LF	8" x 10", Pressure Treated, Heavy Timber Beam	20.62	3.23
06 13 23 00-0047		LF	8" x 12", Pressure Treated, Heavy Timber Beam	23.90	3.30
06 13 23 00-0048		LF	10" x 10", Pressure Treated, Heavy Timber Beam	24.01	3.30
06 13 23 00-0049		LF	10" x 12", Pressure Treated, Heavy Timber Beam	31.01	3.60
06 13 23 00-0050		LF	12" x 12", Pressure Treated, Heavy Timber Beam	36.50	3.95
06 13 23 00-0051	Heavy Timber Columns *(06 13 23 00-0001)*				
06 13 23 00-0052	Pine, Heavy Timber Columns *(06 13 23 00-0051)*				
06 13 23 00-0053		LF	4" x 4", Pine, Heavy Timber Column	4.71	1.34
06 13 23 00-0054		LF	4" x 6", Pine, Heavy Timber Column	5.89	1.42
06 13 23 00-0055		LF	4" x 8", Pine, Heavy Timber Column	6.97	1.46
06 13 23 00-0056		LF	4" x 10", Pine, Heavy Timber Column	9.26	1.55
06 13 23 00-0057		LF	4" x 12", Pine, Heavy Timber Column	11.13	1.64
06 13 23 00-0058		LF	6" x 6", Pine, Heavy Timber Column	7.57	1.50
06 13 23 00-0059		LF	6" x 8", Pine, Heavy Timber Column	9.22	1.57
06 13 23 00-0060		LF	6" x 10", Pine, Heavy Timber Column	12.65	1.70
06 13 23 00-0061		LF	6" x 12", Pine, Heavy Timber Column	15.22	1.74
06 13 23 00-0062		LF	8" x 8", Pine, Heavy Timber Column	11.41	1.64
06 13 23 00-0063		LF	8" x 10", Pine, Heavy Timber Column	15.73	1.70
06 13 23 00-0064		LF	8" x 12", Pine, Heavy Timber Column	19.20	1.77
06 13 23 00-0065		LF	10" x 10", Pine, Heavy Timber Column	18.95	1.77
06 13 23 00-0066		LF	10" x 12", Pine, Heavy Timber Column	23.37	1.89
06 13 23 00-0067		LF	12" x 12", Pine, Heavy Timber Column	27.66	2.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0068		Douglas Fir, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.92	1.34
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.19	1.42
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.38	1.46
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.88	1.55
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	11.90	1.64
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	8.02	1.50
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.82	1.57
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.56	1.70
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.40	1.74
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.22	1.64
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	16.96	1.70
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	20.77	1.77
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	20.48	1.77
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	25.30	1.89
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	30.00	2.08
06 13 23 00-0084		Pressure Treated, Heavy Timber Columns *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.62	1.34
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	5.92	1.42
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	6.98	1.46
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	9.26	1.55
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	11.12	1.64
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	8.20	1.50
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	10.09	1.57
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	12.12	1.70
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	14.92	1.74
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	15.09	1.64
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	17.56	1.70
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	20.71	1.77
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	20.80	1.77
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	27.61	1.89
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	32.76	2.08

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001 Wood Deck System Assemblies *(06 15 13)*
Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.

06 15 13 00-0002 Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0001)*

06 15 13 00-0003 2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	42.98	8.57
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	41.48	8.15
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.50	8.80
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	43.01	8.36

06 15 13 00-0008 2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.37	8.80
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	42.81	8.35
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.92	9.01
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.39	8.56

06 15 13 00-0013 2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System Assemblies *(06 15 13 00-0002)*

06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	42.98	8.57
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	41.48	8.15
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	44.50	8.80
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	43.01	8.36

06 15 13 00-0018 Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0019		2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*		
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.41	8.57
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.03	8.54
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	47.55	8.80
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.88	8.36
06 15 13 00-0024		2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*		
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly Assembly	48.19	8.80
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	46.74	8.35
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	50.49	9.01
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	48.80	8.56
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0018)*		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	46.39	8.57
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	45.01	8.15
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	48.59	8.80
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	47.69	8.36
06 15 13 00-0034		Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0001)*		
06 15 13 00-0035		2" x 8" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0036	SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.31	8.57
06 15 13 00-0037	SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	42.88	8.15
06 15 13 00-0038	SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	46.31	8.80
06 15 13 00-0039	SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.61	8.36
06 15 13 00-0040		2" x 10" Joists At 16" On Center, Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0041	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	46.87	8.80
06 15 13 00-0042	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.38	8.35
06 15 13 00-0043	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	49.02	9.01
06 15 13 00-0044	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	47.74	8.56
06 15 13 00-0045		2" x 10" Joists At 24" On Center, Cypress With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0034)*		
06 15 13 00-0046	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	45.92	8.57
06 15 13 00-0047	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	43.74	8.15
06 15 13 00-0048	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	47.24	8.80
06 15 13 00-0049	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	45.97	8.36
06 15 13 00-0050		Cedar With Pressure Treated Joists Wood Deck System Assemblies *(06 15 13 00-0001)*		
06 15 13 00-0051		2" x 8" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0050)*		
06 15 13 00-0052	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	43.86	8.57
06 15 13 00-0053	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	42.40	8.15
06 15 13 00-0054	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.46	8.80
06 15 13 00-0055	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.00	8.36
06 15 13 00-0056		2" x 10" Joists At 16" On Center, Cedar With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0050)*		
06 15 13 00-0057	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.32	8.80
06 15 13 00-0058	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	44.19	8.35
06 15 13 00-0059	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	46.94	9.01
06 15 13 00-0060	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System Assembly	45.51	8.56
06 15 13 00-0061		2" x 10" Joists At 24" On Center, Cedar With Pressure Treated Joists, Wood Deck System Assemblies *(06 15 13 00-0050)*		
06 15 13 00-0062	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	44.41	8.57
06 15 13 00-0063	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	42.95	8.15
06 15 13 00-0064	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	46.03	8.80
06 15 13 00-0065	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System Assembly	44.57	8.36

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066		**Wood Ramp System Assemblies** *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0067		**Pressure Treated Wood Ramp System Assemblies** *(06 15 13 00-0066)*		
06 15 13 00-0068		**2" x 6" Joists, Pressure Treated Wood Ramp System Assemblies** *(06 15 13 00-0067)*		
06 15 13 00-0069	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	50.43	8.36
06 15 13 00-0070	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	48.52	7.94
06 15 13 00-0071	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.12	8.57
06 15 13 00-0072	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	50.20	8.15
06 15 13 00-0073		**2" x 8" Joists, Pressure Treated Wood Ramp System Assemblies** *(06 15 13 00-0067)*		
06 15 13 00-0074	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	51.97	8.57
06 15 13 00-0075	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	50.02	8.15
06 15 13 00-0076	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	53.72	8.80
06 15 13 00-0077	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	51.77	8.36
06 15 13 00-0078		**2" x 10" Joists, Pressure Treated Wood Ramp System Assemblies** *(06 15 13 00-0067)*		
06 15 13 00-0079	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	53.56	8.79
06 15 13 00-0080	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	51.58	8.35
06 15 13 00-0081	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	55.36	9.01
06 15 13 00-0082	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	53.37	8.56
06 15 13 00-0083		**Redwood With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0066)*		
06 15 13 00-0084		**2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0083)*		
06 15 13 00-0085	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.71	8.36
06 15 13 00-0086	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	50.91	7.94
06 15 13 00-0087	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	54.98	8.57
06 15 13 00-0088	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.90	8.15
06 15 13 00-0089		**2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0083)*		
06 15 13 00-0090	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	54.40	8.57
06 15 13 00-0091	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	52.57	8.15
06 15 13 00-0092	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	56.77	8.80
06 15 13 00-0093	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	54.64	8.36
06 15 13 00-0094		**2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0083)*		
06 15 13 00-0095	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	57.40	8.79
06 15 13 00-0096	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	55.51	8.35
06 15 13 00-0097	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	59.94	9.01
06 15 13 00-0098	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	58.28	8.56
06 15 13 00-0099		**Cypress With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0066)*		
06 15 13 00-0100		**2" x 6" Joists, Cypress With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0099)*		
06 15 13 00-0101	SF	5/4" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	51.68	8.36
06 15 13 00-0102	SF	5/4" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	49.83	7.94
06 15 13 00-0103	SF	2" x 4" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	53.81	8.57
06 15 13 00-0104	SF	2" x 6" Cypress Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	51.71	8.15
06 15 13 00-0105		**2" x 8" Joists, Cypress With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0099)*		
06 15 13 00-0106	SF	5/4" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	53.30	8.57
06 15 13 00-0107	SF	5/4" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	51.42	8.15
06 15 13 00-0108	SF	2" x 4" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	55.53	8.80
06 15 13 00-0109	SF	2" x 6" Cypress Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	53.37	8.36
06 15 13 00-0110		**2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0099)*		
06 15 13 00-0111	SF	5/4" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	56.00	8.79
06 15 13 00-0112	SF	5/4" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	54.15	8.35
06 15 13 00-0113	SF	2" x 4" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	58.46	9.01
06 15 13 00-0114	SF	2" x 6" Cypress Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	56.72	8.56

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0115		**Cedar With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0066)*		
06 15 13 00-0116		**2" x 6" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0115)*		
06 15 13 00-0117	SF	5/4" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	51.24	8.36
06 15 13 00-0118	SF	5/4" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	49.36	7.94
06 15 13 00-0119	SF	2" x 4" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	52.99	8.57
06 15 13 00-0120	SF	2" x 6" Cedar Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System Assembly	51.12	8.15
06 15 13 00-0121		**2" x 8" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0115)*		
06 15 13 00-0122	SF	5/4" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	52.83	8.57
06 15 13 00-0123	SF	5/4" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	50.92	8.15
06 15 13 00-0124	SF	2" x 4" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	54.66	8.80
06 15 13 00-0125	SF	2" x 6" Cedar Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System Assembly	52.74	8.36
06 15 13 00-0126		**2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Ramp System Assemblies** *(06 15 13 00-0115)*		
06 15 13 00-0127	SF	5/4" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	54.50	8.79
06 15 13 00-0128	SF	5/4" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	52.54	8.35
06 15 13 00-0129	SF	2" x 4" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	56.36	9.01
06 15 13 00-0130	SF	2" x 6" Cedar Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System Assembly	54.41	8.56
06 15 13 00-0131		**Wood Stair System Assemblies** *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.		
06 15 13 00-0132		**Pressure Treated Wood Stair System Assemblies** *(06 15 13 00-0131)*		
06 15 13 00-0133		**2" x 10" Joists, Pressure Treated Wood Stair System Assemblies** *(06 15 13 00-0132)*		
06 15 13 00-0134	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	134.86	20.57
06 15 13 00-0135	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	131.04	19.54
06 15 13 00-0136	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	138.91	21.10
06 15 13 00-0137	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	134.50	20.05
06 15 13 00-0138	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	141.60	21.60
06 15 13 00-0139	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	137.60	20.53
06 15 13 00-0140	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	145.87	22.16
06 15 13 00-0141	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	141.22	21.06
06 15 13 00-0142	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	148.55	22.69
06 15 13 00-0143	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	144.32	21.55
06 15 13 00-0144	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	153.02	23.27
06 15 13 00-0145	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	148.13	22.10
06 15 13 00-0146	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	157.46	23.82
06 15 13 00-0147	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	153.12	22.63
06 15 13 00-0148	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	162.22	24.44
06 15 13 00-0149	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	157.15	23.22
06 15 13 00-0150		**2" x 12" Joists, Pressure Treated Wood Stair System Assemblies** *(06 15 13 00-0132)*		
06 15 13 00-0151	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	137.82	21.09
06 15 13 00-0152	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	133.44	20.04
06 15 13 00-0153	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	142.10	21.64
06 15 13 00-0154	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	137.62	20.55
06 15 13 00-0155	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	144.71	22.15
06 15 13 00-0156	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	140.12	21.04
06 15 13 00-0157	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	149.20	22.71
06 15 13 00-0158	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	144.51	21.57
06 15 13 00-0159	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	151.82	23.25
06 15 13 00-0160	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	146.98	22.09
06 15 13 00-0161	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	156.52	23.85
06 15 13 00-0162	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	151.59	22.67
06 15 13 00-0163	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.90	24.42
06 15 13 00-0164	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.90	23.20
06 15 13 00-0165	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	165.91	25.04
06 15 13 00-0166	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.79	23.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0167		Redwood With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0131)*		
06 15 13 00-0168		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0167)*		
06 15 13 00-0169	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	148.38	20.57
06 15 13 00-0170	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	144.44	19.54
06 15 13 00-0171	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	153.28	21.10
06 15 13 00-0172	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	149.29	20.05
06 15 13 00-0173	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	155.79	21.60
06 15 13 00-0174	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	151.67	20.53
06 15 13 00-0175	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	160.95	22.16
06 15 13 00-0176	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	156.75	21.06
06 15 13 00-0177	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	163.38	22.69
06 15 13 00-0178	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	159.02	21.55
06 15 13 00-0179	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	168.77	23.27
06 15 13 00-0180	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	164.35	22.10
06 15 13 00-0181	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	173.77	23.82
06 15 13 00-0182	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	169.28	22.63
06 15 13 00-0183	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	179.55	24.44
06 15 13 00-0184	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	174.99	23.22
06 15 13 00-0185		2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0167)*		
06 15 13 00-0186	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	147.35	21.09
06 15 13 00-0187	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	143.32	20.04
06 15 13 00-0188	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	152.02	21.64
06 15 13 00-0189	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	148.01	20.55
06 15 13 00-0190	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	154.72	22.15
06 15 13 00-0191	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	150.48	21.04
06 15 13 00-0192	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	159.62	22.71
06 15 13 00-0193	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.41	21.57
06 15 13 00-0194	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	162.28	23.25
06 15 13 00-0195	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	157.81	22.09
06 15 13 00-0196	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	167.41	23.85
06 15 13 00-0197	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	162.99	22.67
06 15 13 00-0198	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	172.41	24.42
06 15 13 00-0199	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	167.81	23.20
06 15 13 00-0200	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	177.88	25.04
06 15 13 00-0201	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	173.33	23.79
06 15 13 00-0202		Cypress With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0131)*		
06 15 13 00-0203		2" x 10" Joists, Cypress With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0202)*		
06 15 13 00-0204	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	143.65	20.57
06 15 13 00-0205	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	139.56	19.54
06 15 13 00-0206	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	148.31	21.10
06 15 13 00-0207	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	144.14	20.05
06 15 13 00-0208	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	150.83	21.60
06 15 13 00-0209	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	146.55	20.53
06 15 13 00-0210	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	155.73	22.16
06 15 13 00-0211	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	151.34	21.06
06 15 13 00-0212	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	158.19	22.69
06 15 13 00-0213	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	153.67	21.55
06 15 13 00-0214	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	163.32	23.27
06 15 13 00-0215	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	158.71	22.10
06 15 13 00-0216	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	168.06	23.82
06 15 13 00-0217	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	163.40	22.63
06 15 13 00-0218	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	173.56	24.44
06 15 13 00-0219	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	168.78	23.22
06 15 13 00-0220		2" x 12" Joists, Cypress With Pressure Treated Joists, Wood Stair System Assemblies *(06 15 13 00-0202)*		
06 15 13 00-0221	RSR	3' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	143.06	21.09
06 15 13 00-0222	RSR	3' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	138.89	20.04
06 15 13 00-0223	RSR	3' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	147.52	21.64
06 15 13 00-0224	RSR	3' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	143.32	20.55
06 15 13 00-0225	RSR	3'-6" Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	150.22	22.15
06 15 13 00-0226	RSR	3'-6" Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	145.83	21.04
06 15 13 00-0227	RSR	3'-6" Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	154.89	22.71
06 15 13 00-0228	RSR	3'-6" Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	150.49	21.57
06 15 13 00-0229	RSR	4' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	157.58	23.25
06 15 13 00-0230	RSR	4' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	152.95	22.09
06 15 13 00-0231	RSR	4' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	162.46	23.85
06 15 13 00-0232	RSR	4' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	157.84	22.67
06 15 13 00-0233	RSR	5' Wide, 5/4" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	167.23	24.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0234	RSR	5' Wide, 5/4" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	162.46	23.20
06 15 13 00-0235	RSR	5' Wide, 2" x 4" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	172.45	25.04
06 15 13 00-0236	RSR	5' Wide, 2" x 6" Cypress Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	167.66	23.79
06 15 13 00-0237		**Cedar With Pressure Treated Joists, Wood Stair System Assemblies** *(06 15 13 00-0131)*		
06 15 13 00-0238		**2" x 10" Joists, Cedar With Pressure Treated Joists, Wood Stair System Assemblies** *(06 15 13 00-0237)*		
06 15 13 00-0239	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	138.23	20.57
06 15 13 00-0240	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	134.62	19.54
06 15 13 00-0241	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	142.45	21.10
06 15 13 00-0242	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	138.18	20.05
06 15 13 00-0243	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	145.14	21.60
06 15 13 00-0244	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	141.35	20.53
06 15 13 00-0245	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	149.58	22.16
06 15 13 00-0246	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	145.08	21.06
06 15 13 00-0247	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	152.25	22.69
06 15 13 00-0248	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	148.24	21.55
06 15 13 00-0249	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	156.90	23.27
06 15 13 00-0250	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	152.17	22.10
06 15 13 00-0251	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	161.53	23.82
06 15 13 00-0252	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	157.43	22.63
06 15 13 00-0253	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	166.49	24.44
06 15 13 00-0254	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 10" Pressure Treated Joists, Wood Stair System Assembly	161.59	23.22
06 15 13 00-0255		**2" x 12" Joists, Cedar With Pressure Treated Joists, Wood Stair System Assemblies** *(06 15 13 00-0237)*		
06 15 13 00-0256	RSR	3' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	141.22	21.09
06 15 13 00-0257	RSR	3' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	137.00	20.04
06 15 13 00-0258	RSR	3' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	145.68	21.64
06 15 13 00-0259	RSR	3' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	141.36	20.55
06 15 13 00-0260	RSR	3'-6" Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	148.29	22.15
06 15 13 00-0261	RSR	3'-6" Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	143.84	21.04
06 15 13 00-0262	RSR	3'-6" Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	152.97	22.71
06 15 13 00-0263	RSR	3'-6" Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	148.43	21.57
06 15 13 00-0264	RSR	4' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.56	23.25
06 15 13 00-0265	RSR	4' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	150.87	22.09
06 15 13 00-0266	RSR	4' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.45	23.85
06 15 13 00-0267	RSR	4' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	155.69	22.67
06 15 13 00-0268	RSR	5' Wide, 5/4" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	165.01	24.42
06 15 13 00-0269	RSR	5' Wide, 5/4" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	160.18	23.20
06 15 13 00-0270	RSR	5' Wide, 2" x 4" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	170.24	25.04
06 15 13 00-0271	RSR	5' Wide, 2" x 6" Cedar Decking With 2" x 12" Pressure Treated Joists, Wood Stair System Assembly	165.30	23.79
06 15 13 00-0272		**Wood Deck And Ramp Systems Repairs** *(06 15 13)* Note: Includes removal of material and screws. Excludes anchors and bolts.		
06 15 13 00-0273		**Deck Joist Or Girt** *(06 15 13 00-0272)* See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.		
06 15 13 00-0274		**Deck Boards** *(06 15 13 00-0272)* See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.		
06 15 13 00-0275	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.48	1.10
06 15 13 00-0276	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.76	1.31
06 15 13 00-0277	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.46	1.31
06 15 13 00-0278	LF	2" x 6" Round Edge Pressure Treated Deck Boards	3.11	1.51
06 15 13 00-0279	LF	2" x 8" Round Edge Pressure Treated Deck Boards	3.88	1.81
06 15 13 00-0280	LF	2" x 10" Round Edge Pressure Treated Deck Boards	4.75	2.21
06 15 13 00-0281	LF	2" x 12" Round Edge Pressure Treated Deck Boards	5.79	2.61
06 15 13 00-0282	LF	2" x 4" Round Edge Cedar Deck Boards	3.08	1.31
06 15 13 00-0283	LF	2" x 6" Round Edge Cedar Deck Boards	3.95	1.51
06 15 13 00-0284	LF	2" x 4" Round Edge Redwood Deck Boards	3.35	1.31
06 15 13 00-0285	LF	2" x 6" Round Edge Redwood Deck Boards	4.35	1.51
06 15 13 00-0286		**Deck Posts** *(06 15 13 00-0272)* See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.		
06 15 13 00-0287		**Deck Railing And Pickets** *(06 15 13 00-0272)* See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.		
06 15 13 00-0288	LF	2" x 4" Pressure Treated Deck Railing	2.46	1.31
06 15 13 00-0289	LF	2" x 2" Pressure Treated Deck Railing Picket	1.97	1.00
06 15 13 00-0290	LF	2" x 4" Cedar Deck Railing	3.08	1.31
06 15 13 00-0291	LF	2" x 2" Cedar Deck Railing Picket	2.34	1.00
06 15 13 00-0292	LF	2" x 4" Redwood Deck Railing	3.35	1.31
06 15 13 00-0293	LF	2" x 2" Redwood Deck Railing Picket	2.54	1.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	3.92	1.14
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	4.39	1.44
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.76	1.00
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	4.09	1.14
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.37	0.72
		For Shear Wall Construction, Add	*0.34*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.34*	
		For ACQ Preservative Treatment, Add	*0.33*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.54*	
		For Fire Retardant Treatment, Add	*0.54*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.66	0.86
		For Shear Wall Construction, Add	*0.37*	
		For Exterior CC Grade Plywood, Add	*0.12*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.37*	
		For ACQ Preservative Treatment, Add	*0.39*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.76*	
		For Fire Retardant Treatment, Add	*0.65*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.03	0.86
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For ACQ Preservative Treatment, Add	*0.50*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.99*	
		For Fire Retardant Treatment, Add	*0.82*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.36	1.00
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For ACQ Preservative Treatment, Add	*0.58*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.96*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.25*	
		For Tongue And Groove, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.97	1.14
		For Shear Wall Construction, Add	*0.47*	
		For Exterior CC Grade Plywood, Add	*0.24*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.47*	
		For ACQ Preservative Treatment, Add	*0.78*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.51*	
		For Fire Retardant Treatment, Add	*1.29*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.15*	
		For >6,400 To 12,800, Deduct	*-0.24*	
		For >12,800, Deduct	*-0.31*	
		For Tongue And Groove, Add	*0.11*	
06 16 33 00-0008		Wall Sheathing *(06 16 33 00-0001)*		
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.82	1.00
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.53*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.85	1.00
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.91	1.14
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.22*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.23*	
		For Fire Retardant Treatment, Add	*0.60*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	3.25	1.14
		For Shear Wall Construction, Add	*0.46*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.46*	
		For Ceiling Installation, Add	*0.23*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.44*	
		For Fire Retardant Treatment, Add	*0.76*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.23*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	3.65	1.30
		For Shear Wall Construction, Add	*0.49*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.49*	
		For Ceiling Installation, Add	*0.25*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.69*	
		For Fire Retardant Treatment, Add	*0.94*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	4.00	1.44
		For Shear Wall Construction, Add	*0.53*	
		For Exterior CC Grade Plywood, Add	*0.20*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.53*	
		For Ceiling Installation, Add	*0.27*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.98*	
		For Fire Retardant Treatment, Add	*1.07*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.29*	
06 16 33 00-0015		**Floor Decking** *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.14	0.86
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.43*	
		For Fire Retardant Treatment, Add	*0.41*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.14*	
		For ACQ Preservative Treatment, Add	*0.25*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.41*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.25	0.86
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.55*	
		For Fire Retardant Treatment, Add	*0.43*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For ACQ Preservative Treatment, Add	*0.26*	
		For Fir Plywood, Add	*0.10*	
		For BC Grade Plywood, Add	*0.08*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.43*	
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.52	0.86
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.69*	
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For ACQ Preservative Treatment, Add	*0.35*	
		For Fir Plywood, Add	*0.14*	
		For BC Grade Plywood, Add	*0.11*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.57*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.85	0.86
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.93*	
		For Fire Retardant Treatment, Add	*0.71*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
		For ACQ Preservative Treatment, Add	*0.43*	
		For Fir Plywood, Add	*0.17*	
		For BC Grade Plywood, Add	*0.13*	
		For Exterior Glue, Add	*0.08*	
		For Marine Grade, Add	*0.70*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	3.23	0.86
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.11*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
		For ACQ Preservative Treatment, Add	*0.56*	
		For Fir Plywood, Add	*0.21*	
		For BC Grade Plywood, Add	*0.17*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking	4.66	1.30
		Note: Applied to floor or joints.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.71*	
		For Fire Retardant Treatment, Add	*1.73*	
		For >1,696 To 3,200, Deduct	*-0.13*	
		For >3,200 To 6,400, Deduct	*-0.20*	
		For >6,400 To 12,800, Deduct	*-0.30*	
		For >12,800, Deduct	*-0.39*	
		For ACQ Preservative Treatment, Add	*1.05*	
		For Fir Plywood, Add	*0.41*	
		For BC Grade Plywood, Add	*0.32*	
		For Exterior Glue, Add	*0.20*	
		For Marine Grade, Add	*1.71*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking	2.96	0.86
		Note: Applied to floor or joints.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.69*	
		For Fire Retardant Treatment, Add	*0.92*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For ACQ Preservative Treatment, Add	*0.56*	
		For Exterior Glue, Add	*0.11*	
		For Marine Grade, Add	*0.92*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking	3.35	0.86
		Note: Applied to floor or joints.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.93*	
		For Fire Retardant Treatment, Add	*1.11*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.27*	
		For ACQ Preservative Treatment, Add	*0.67*	
		For Exterior Glue, Add	*0.13*	
		For Marine Grade, Add	*1.10*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking	3.60	0.86
		Note: Applied to floor or joints.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.12*	
		For Fire Retardant Treatment, Add	*1.20*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.29*	
		For ACQ Preservative Treatment, Add	*0.73*	
		For Exterior Glue, Add	*0.14*	
		For Marine Grade, Add	*1.19*	
		For Tongue And Groove, Add	*0.11*	
06 16 33 00-0025		Underlayment Grade *(06 16 33 00-0001)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	2.27	0.86
		For Fire Retardant Treatment, Add	*0.48*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.42	0.86
		For Fire Retardant Treatment, Add	*0.53*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.51	1.00
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.85	1.00
		For Fire Retardant Treatment, Add	*0.68*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	3.03	1.00
		For Fire Retardant Treatment, Add	*0.82*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.22*	
		For Tongue And Groove, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.82	1.14
		For Fire Retardant Treatment, Add	*1.26*	
		For >1,696 To 3,200, Deduct	*-0.10*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.30*	
		For Tongue And Groove, Add	*0.11*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.57	0.86
		For Fire Retardant Treatment, Add	*0.65*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.19*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	3.19	1.00
		For Fire Retardant Treatment, Add	*0.98*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.25*	

06 16 33 00-0034 Oriented Strand Board *(06 16 33)*

06 16 33 00-0035 On Roof *(06 16 33 00-0034)*

06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.04	0.86
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.54*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	2.25	0.86
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.76*	
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.59	1.00
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.47*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.99*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	2.95	1.00
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.63*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.23*	

06 16 33 00-0040 On Walls *(06 16 33 00-0034)*

06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.50	1.00
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.23*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.70	1.14
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.44*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	3.06	1.30
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.47*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.69*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	3.45	1.30
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.23*	
		For Fire Retardant Treatment, Add	*0.63*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0045		**On Floors** *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.08	0.86
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.03*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.28*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.60*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.48	1.00
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.32*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.11*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.85	1.14
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
		For Fire Retardant Treatment, Add	*0.47*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.38*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.26	1.30
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.22*	
		For Fire Retardant Treatment, Add	*0.63*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.69*	
06 16 33 00-0050		**Particle Board** *(06 16 33)*		
06 16 33 00-0051		**Particle Board Floor Decking** *(06 16 33 00-0050)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	2.34	0.72
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.51*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	2.67	0.72
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.70*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	3.00	0.86
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.88*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	3.31	0.86
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.03*	
		For >1,536 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.26*	
		For Tongue And Groove, Add	*0.09*	
06 16 43		**Gypsum Sheathing** *(06 16)*		
06 16 43 00-0001		**Exterior Gypsum Sheathing** *(06 16 43)*		
		Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.		
06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.73	1.14
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.44*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.46*	
		For Ceiling Installation, Add	*0.23*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.22*	
		For >12,800, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	4.02	1.44
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.69*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.49*	
		For Ceiling Installation, Add	*0.25*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.14*	
		For >6,400 To 12,800, Deduct	*-0.23*	
		For >12,800, Deduct	*-0.31*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	8.87	2.49
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	9.65	2.52
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	10.54	2.56
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	11.67	2.60
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep (LVL) Laminated Veneer Lumber	12.52	2.65
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep (LVL) Laminated Veneer Lumber	13.72	2.73
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep (LVL) Laminated Veneer Lumber	15.41	2.79
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep (LVL) Laminated Veneer Lumber	20.82	3.16

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" (LSL) Laminated Strand Lumber	3.05	1.14
06 17 23 00-0003	LF	2" x 6" (LSL) Laminated Strand Lumber	4.01	1.23

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.42	1.56
		For I-Joists 30' To 40' In Length, Add	*0.69*	
		For I-Joists >40' In Length, Add	*1.68*	
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.86	1.74
		For I-Joists 30' To 40' In Length, Add	*0.77*	
		For I-Joists >40' In Length, Add	*1.88*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.83	1.96
		For I-Joists 30' To 40' In Length, Add	*0.86*	
		For I-Joists >40' In Length, Add	*2.11*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.69	2.18
		For I-Joists 30' To 40' In Length, Add	*0.96*	
		For I-Joists >40' In Length, Add	*2.35*	

06 17 43 Rim Boards *(06 17)*

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board *(06 17 43)*

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.44	2.56
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	8.06	2.60
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.77	2.65

06 17 53 Shop-Fabricated Wood Trusses *(06 17)*

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses *(06 17 53)*

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	225.23	91.42
		For Up To 15, Add	*3.18*	
		For >35, Deduct	*-2.12*	
		For 3 In 12 Slope, Add	*1.27*	
		For 5 In 12 Slope, Add	*3.39*	
		For 6 In 12 Slope, Add	*6.36*	
		For 7 In 12 Slope, Add	*8.48*	
		For 8 In 12 Slope, Add	*10.17*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	249.76	100.13
		For Up To 15, Add	*3.71*	
		For >35, Deduct	*-2.48*	
		For 3 In 12 Slope, Add	*1.49*	
		For 5 In 12 Slope, Add	*3.96*	
		For 6 In 12 Slope, Add	*7.43*	
		For 7 In 12 Slope, Add	*9.90*	
		For 8 In 12 Slope, Add	*11.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	277.23	108.84
		For Up To 15, Add	*4.47*	
		For >35, Deduct	*-2.98*	
		For 3 In 12 Slope, Add	*1.79*	
		For 5 In 12 Slope, Add	*4.76*	
		For 6 In 12 Slope, Add	*8.93*	
		For 7 In 12 Slope, Add	*11.91*	
		For 8 In 12 Slope, Add	*14.29*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	312.48	117.54
		For Up To 15, Add	*5.81*	
		For >35, Deduct	*-3.87*	
		For 3 In 12 Slope, Add	*2.32*	
		For 5 In 12 Slope, Add	*6.19*	
		For 6 In 12 Slope, Add	*11.61*	
		For 7 In 12 Slope, Add	*15.48*	
		For 8 In 12 Slope, Add	*18.58*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	343.27	126.25
		For Up To 15, Add	*6.81*	
		For >35, Deduct	*-4.54*	
		For 3 In 12 Slope, Add	*2.72*	
		For 5 In 12 Slope, Add	*7.26*	
		For 6 In 12 Slope, Add	*13.62*	
		For 7 In 12 Slope, Add	*18.15*	
		For 8 In 12 Slope, Add	*21.78*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	363.38	139.31
		For Up To 15, Add	*6.36*	
		For >35, Deduct	*-4.24*	
		For 3 In 12 Slope, Add	*2.54*	
		For 5 In 12 Slope, Add	*6.78*	
		For 6 In 12 Slope, Add	*12.71*	
		For 7 In 12 Slope, Add	*16.95*	
		For 8 In 12 Slope, Add	*20.34*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	383.27	222.02
		For Up To 15, Add	*6.54*	
		For >35, Deduct	*-4.36*	
		For 3 In 12 Slope, Add	*2.62*	
		For 5 In 12 Slope, Add	*6.98*	
		For 6 In 12 Slope, Add	*13.08*	
		For 7 In 12 Slope, Add	*17.45*	
		For 8 In 12 Slope, Add	*20.94*	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	408.07	156.72
		For Up To 15, Add	*7.10*	
		For >35, Deduct	*-4.73*	
		For 3 In 12 Slope, Add	*2.84*	
		For 5 In 12 Slope, Add	*7.57*	
		For 6 In 12 Slope, Add	*14.19*	
		For 7 In 12 Slope, Add	*18.92*	
		For 8 In 12 Slope, Add	*22.71*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	433.68	248.14
		For Up To 15, Add	*7.71*	
		For >35, Deduct	*-5.14*	
		For 3 In 12 Slope, Add	*3.08*	
		For 5 In 12 Slope, Add	*8.23*	
		For 6 In 12 Slope, Add	*15.42*	
		For 7 In 12 Slope, Add	*20.56*	
		For 8 In 12 Slope, Add	*24.68*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	460.35	174.14
		For Up To 15, Add	*8.41*	
		For >35, Deduct	*-5.60*	
		For 3 In 12 Slope, Add	*3.36*	
		For 5 In 12 Slope, Add	*8.97*	
		For 6 In 12 Slope, Add	*16.81*	
		For 7 In 12 Slope, Add	*22.42*	
		For 8 In 12 Slope, Add	*26.90*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	481.32	274.27
		For Up To 15, Add	*8.67*	
		For >35, Deduct	*-5.78*	
		For 3 In 12 Slope, Add	*3.47*	
		For 5 In 12 Slope, Add	*9.25*	
		For 6 In 12 Slope, Add	*17.35*	
		For 7 In 12 Slope, Add	*23.13*	
		For 8 In 12 Slope, Add	*27.75*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	501.59	187.20
		For Up To 15, Add	*9.54*	
		For >35, Deduct	*-6.36*	
		For 3 In 12 Slope, Add	*3.82*	
		For 5 In 12 Slope, Add	*10.18*	
		For 6 In 12 Slope, Add	*19.08*	
		For 7 In 12 Slope, Add	*25.44*	
		For 8 In 12 Slope, Add	*30.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	544.33	293.94
		For Up To 15, Add	*11.44*	
		For >35, Deduct	*-7.63*	
		For 3 In 12 Slope, Add	*4.58*	
		For 5 In 12 Slope, Add	*12.20*	
		For 6 In 12 Slope, Add	*22.88*	
		For 7 In 12 Slope, Add	*30.50*	
		For 8 In 12 Slope, Add	*36.60*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	565.04	200.26
		For Up To 15, Add	*12.34*	
		For >35, Deduct	*-8.23*	
		For 3 In 12 Slope, Add	*4.94*	
		For 5 In 12 Slope, Add	*13.16*	
		For 6 In 12 Slope, Add	*24.68*	
		For 7 In 12 Slope, Add	*32.90*	
		For 8 In 12 Slope, Add	*39.48*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	593.68	313.45
		For Up To 15, Add	*13.18*	
		For >35, Deduct	*-8.79*	
		For 3 In 12 Slope, Add	*5.27*	
		For 5 In 12 Slope, Add	*14.06*	
		For 6 In 12 Slope, Add	*26.36*	
		For 7 In 12 Slope, Add	*35.15*	
		For 8 In 12 Slope, Add	*42.18*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	614.86	217.67
		For Up To 15, Add	*13.46*	
		For >35, Deduct	*-8.98*	
		For 3 In 12 Slope, Add	*5.39*	
		For 5 In 12 Slope, Add	*14.36*	
		For 6 In 12 Slope, Add	*26.93*	
		For 7 In 12 Slope, Add	*35.90*	
		For 8 In 12 Slope, Add	*43.08*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	670.23	339.57
		For Up To 15, Add	*16.31*	
		For >35, Deduct	*-10.87*	
		For 3 In 12 Slope, Add	*6.52*	
		For 5 In 12 Slope, Add	*17.40*	
		For 6 In 12 Slope, Add	*32.62*	
		For 7 In 12 Slope, Add	*43.50*	
		For 8 In 12 Slope, Add	*52.20*	
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	724.58	235.08
		For Up To 15, Add	*19.08*	
		For >35, Deduct	*-12.72*	
		For 3 In 12 Slope, Add	*7.63*	
		For 5 In 12 Slope, Add	*20.35*	
		For 6 In 12 Slope, Add	*38.16*	
		For 7 In 12 Slope, Add	*50.88*	
		For 8 In 12 Slope, Add	*61.06*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	750.18	243.79
		For Up To 15, Add	*19.70*	
		For >35, Deduct	*-13.13*	
		For 3 In 12 Slope, Add	*7.88*	
		For 5 In 12 Slope, Add	*21.01*	
		For 6 In 12 Slope, Add	*39.39*	
		For 7 In 12 Slope, Add	*52.52*	
		For 8 In 12 Slope, Add	*63.02*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	785.71	252.50
		For Up To 15, Add	*21.05*	
		For >35, Deduct	*-14.04*	
		For 3 In 12 Slope, Add	*8.42*	
		For 5 In 12 Slope, Add	*22.46*	
		For 6 In 12 Slope, Add	*42.11*	
		For 7 In 12 Slope, Add	*56.14*	
		For 8 In 12 Slope, Add	*67.37*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	881.73	261.20
		For Up To 15, Add	*26.95*	
		For >35, Deduct	*-17.97*	
		For 3 In 12 Slope, Add	*10.78*	
		For 5 In 12 Slope, Add	*28.75*	
		For 6 In 12 Slope, Add	*53.90*	
		For 7 In 12 Slope, Add	*71.86*	
		For 8 In 12 Slope, Add	*86.24*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	843.79	234.91
		For Up To 15, Add	*24.10*	
		For >35, Deduct	*-16.07*	
		For 3 In 12 Slope, Add	*9.64*	
		For 5 In 12 Slope, Add	*25.71*	
		For 6 In 12 Slope, Add	*48.21*	
		For 7 In 12 Slope, Add	*64.28*	
		For 8 In 12 Slope, Add	*77.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	885.43	274.27
		For Up To 15, Add	*25.27*	
		For >35, Deduct	*-16.85*	
		For 3 In 12 Slope, Add	*10.11*	
		For 5 In 12 Slope, Add	*26.95*	
		For 6 In 12 Slope, Add	*50.54*	
		For 7 In 12 Slope, Add	*67.38*	
		For 8 In 12 Slope, Add	*80.86*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	919.40	254.24
		For Up To 15, Add	*26.51*	
		For >35, Deduct	*-17.67*	
		For 3 In 12 Slope, Add	*10.60*	
		For 5 In 12 Slope, Add	*28.28*	
		For 6 In 12 Slope, Add	*53.02*	
		For 7 In 12 Slope, Add	*70.69*	
		For 8 In 12 Slope, Add	*84.83*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	947.74	287.33
		For Up To 15, Add	*27.98*	
		For >35, Deduct	*-18.65*	
		For 3 In 12 Slope, Add	*11.19*	
		For 5 In 12 Slope, Add	*29.85*	
		For 6 In 12 Slope, Add	*55.96*	
		For 7 In 12 Slope, Add	*74.62*	
		For 8 In 12 Slope, Add	*89.54*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	966.54	291.68
		For Up To 15, Add	*28.74*	
		For >35, Deduct	*-19.16*	
		For 3 In 12 Slope, Add	*11.50*	
		For 5 In 12 Slope, Add	*30.66*	
		For 6 In 12 Slope, Add	*57.48*	
		For 7 In 12 Slope, Add	*76.64*	
		For 8 In 12 Slope, Add	*91.97*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	230.62	91.42
		For 3 In 12 Slope, Add	*1.43*	
		For 5 In 12 Slope, Add	*3.82*	
		For 6 In 12 Slope, Add	*7.17*	
		For 7 In 12 Slope, Add	*9.55*	
		For 8 In 12 Slope, Add	*11.46*	
		For 16" On Center Gable Studs, Add	*9.55*	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	256.06	100.13
		For 3 In 12 Slope, Add	*1.67*	
		For 5 In 12 Slope, Add	*4.46*	
		For 6 In 12 Slope, Add	*8.37*	
		For 7 In 12 Slope, Add	*11.16*	
		For 8 In 12 Slope, Add	*13.39*	
		For 16" On Center Gable Studs, Add	*11.16*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	284.81	108.84
		For 3 In 12 Slope, Add	*2.01*	
		For 5 In 12 Slope, Add	*5.37*	
		For 6 In 12 Slope, Add	*10.07*	
		For 7 In 12 Slope, Add	*13.43*	
		For 8 In 12 Slope, Add	*16.11*	
		For 16" On Center Gable Studs, Add	*13.43*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	322.32	117.54
		For 3 In 12 Slope, Add	*2.62*	
		For 5 In 12 Slope, Add	*6.98*	
		For 6 In 12 Slope, Add	*13.09*	
		For 7 In 12 Slope, Add	*17.45*	
		For 8 In 12 Slope, Add	*20.94*	
		For 16" On Center Gable Studs, Add	*17.45*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	354.81	126.25
		For 3 In 12 Slope, Add	*3.07*	
		For 5 In 12 Slope, Add	*8.18*	
		For 6 In 12 Slope, Add	*15.35*	
		For 7 In 12 Slope, Add	*20.46*	
		For 8 In 12 Slope, Add	*24.55*	
		For 16" On Center Gable Studs, Add	*20.46*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	386.28	139.31
		For 3 In 12 Slope, Add	*3.23*	
		For 5 In 12 Slope, Add	*8.61*	
		For 6 In 12 Slope, Add	*16.15*	
		For 7 In 12 Slope, Add	*21.53*	
		For 8 In 12 Slope, Add	*25.84*	
		For 16" On Center Gable Studs, Add	*21.53*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	406.83	148.01
		For 3 In 12 Slope, Add	*3.32*	
		For 5 In 12 Slope, Add	*8.86*	
		For 6 In 12 Slope, Add	*16.62*	
		For 7 In 12 Slope, Add	*22.16*	
		For 8 In 12 Slope, Add	*26.59*	
		For 16" On Center Gable Studs, Add	*22.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	433.63	156.72
		For 3 In 12 Slope, Add	*3.61*	
		For 5 In 12 Slope, Add	*9.61*	
		For 6 In 12 Slope, Add	*18.03*	
		For 7 In 12 Slope, Add	*24.04*	
		For 8 In 12 Slope, Add	*28.84*	
		For 16" On Center Gable Studs, Add	*24.04*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	461.44	165.43
		For 3 In 12 Slope, Add	*3.92*	
		For 5 In 12 Slope, Add	*10.45*	
		For 6 In 12 Slope, Add	*19.59*	
		For 7 In 12 Slope, Add	*26.12*	
		For 8 In 12 Slope, Add	*31.34*	
		For 16" On Center Gable Studs, Add	*26.12*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	490.64	174.14
		For 3 In 12 Slope, Add	*4.27*	
		For 5 In 12 Slope, Add	*11.39*	
		For 6 In 12 Slope, Add	*21.36*	
		For 7 In 12 Slope, Add	*28.47*	
		For 8 In 12 Slope, Add	*34.17*	
		For 16" On Center Gable Studs, Add	*28.47*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	513.81	182.85
		For 3 In 12 Slope, Add	*4.44*	
		For 5 In 12 Slope, Add	*11.85*	
		For 6 In 12 Slope, Add	*22.22*	
		For 7 In 12 Slope, Add	*29.63*	
		For 8 In 12 Slope, Add	*35.55*	
		For 16" On Center Gable Studs, Add	*29.63*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	537.34	187.20
		For 3 In 12 Slope, Add	*4.89*	
		For 5 In 12 Slope, Add	*13.04*	
		For 6 In 12 Slope, Add	*24.44*	
		For 7 In 12 Slope, Add	*32.59*	
		For 8 In 12 Slope, Add	*39.11*	
		For 16" On Center Gable Studs, Add	*32.59*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	587.17	195.91
		For 3 In 12 Slope, Add	*5.86*	
		For 5 In 12 Slope, Add	*15.63*	
		For 6 In 12 Slope, Add	*29.30*	
		For 7 In 12 Slope, Add	*39.07*	
		For 8 In 12 Slope, Add	*46.89*	
		For 16" On Center Gable Studs, Add	*39.07*	
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	611.28	200.26
		For 3 In 12 Slope, Add	*6.32*	
		For 5 In 12 Slope, Add	*16.86*	
		For 6 In 12 Slope, Add	*31.61*	
		For 7 In 12 Slope, Add	*42.15*	
		For 8 In 12 Slope, Add	*50.58*	
		For 16" On Center Gable Studs, Add	*42.15*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	643.07	208.96
		For 3 In 12 Slope, Add	*6.75*	
		For 5 In 12 Slope, Add	*18.01*	
		For 6 In 12 Slope, Add	*33.77*	
		For 7 In 12 Slope, Add	*45.03*	
		For 8 In 12 Slope, Add	*54.03*	
		For 16" On Center Gable Studs, Add	*45.03*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	679.79	217.67
		For 3 In 12 Slope, Add	*7.33*	
		For 5 In 12 Slope, Add	*19.56*	
		For 6 In 12 Slope, Add	*36.67*	
		For 7 In 12 Slope, Add	*48.89*	
		For 8 In 12 Slope, Add	*58.67*	
		For 16" On Center Gable Studs, Add	*48.89*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	748.90	226.38
		For 3 In 12 Slope, Add	*8.88*	
		For 5 In 12 Slope, Add	*23.69*	
		For 6 In 12 Slope, Add	*44.42*	
		For 7 In 12 Slope, Add	*59.23*	
		For 8 In 12 Slope, Add	*71.08*	
		For 16" On Center Gable Studs, Add	*59.23*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	816.60	235.08
		For 3 In 12 Slope, Add	*10.39*	
		For 5 In 12 Slope, Add	*27.71*	
		For 6 In 12 Slope, Add	*51.96*	
		For 7 In 12 Slope, Add	*69.29*	
		For 8 In 12 Slope, Add	*83.14*	
		For 16" On Center Gable Studs, Add	*69.29*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	845.17	243.79
		For 3 In 12 Slope, Add	*10.73*	
		For 5 In 12 Slope, Add	*28.61*	
		For 6 In 12 Slope, Add	*53.64*	
		For 7 In 12 Slope, Add	*71.52*	
		For 8 In 12 Slope, Add	*85.82*	
		For 16" On Center Gable Studs, Add	*71.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	887.24	252.50
		For 3 In 12 Slope, Add	*11.47*	
		For 5 In 12 Slope, Add	*30.58*	
		For 6 In 12 Slope, Add	*57.34*	
		For 7 In 12 Slope, Add	*76.45*	
		For 8 In 12 Slope, Add	*91.74*	
		For 16" On Center Gable Studs, Add	*76.45*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	961.02	261.20
		For 3 In 12 Slope, Add	*13.16*	
		For 5 In 12 Slope, Add	*35.09*	
		For 6 In 12 Slope, Add	*65.79*	
		For 7 In 12 Slope, Add	*87.72*	
		For 8 In 12 Slope, Add	*105.27*	
		For 16" On Center Gable Studs, Add	*87.72*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	984.28	269.91
		For 3 In 12 Slope, Add	*13.33*	
		For 5 In 12 Slope, Add	*35.56*	
		For 6 In 12 Slope, Add	*66.67*	
		For 7 In 12 Slope, Add	*88.89*	
		For 8 In 12 Slope, Add	*106.67*	
		For 16" On Center Gable Studs, Add	*88.89*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,014.47	274.27
		For 3 In 12 Slope, Add	*13.98*	
		For 5 In 12 Slope, Add	*37.28*	
		For 6 In 12 Slope, Add	*69.89*	
		For 7 In 12 Slope, Add	*93.19*	
		For 8 In 12 Slope, Add	*111.83*	
		For 16" On Center Gable Studs, Add	*93.19*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,054.76	282.98
		For 3 In 12 Slope, Add	*14.66*	
		For 5 In 12 Slope, Add	*39.11*	
		For 6 In 12 Slope, Add	*73.32*	
		For 7 In 12 Slope, Add	*97.76*	
		For 8 In 12 Slope, Add	*117.32*	
		For 16" On Center Gable Studs, Add	*97.76*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,090.61	287.33
		For 3 In 12 Slope, Add	*15.48*	
		For 5 In 12 Slope, Add	*41.28*	
		For 6 In 12 Slope, Add	*77.39*	
		For 7 In 12 Slope, Add	*103.19*	
		For 8 In 12 Slope, Add	*123.83*	
		For 16" On Center Gable Studs, Add	*103.19*	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,113.29	291.68
		For 3 In 12 Slope, Add	*15.90*	
		For 5 In 12 Slope, Add	*42.40*	
		For 6 In 12 Slope, Add	*79.49*	
		For 7 In 12 Slope, Add	*105.99*	
		For 8 In 12 Slope, Add	*127.19*	
		For 16" On Center Gable Studs, Add	*105.99*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	11.11	3.77
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.88	4.71
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	16.66	5.66
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	17.58	5.98
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	19.41	6.60
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	22.20	7.54
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	24.98	8.48
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	25.91	8.81
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	27.76	9.43
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	29.58	10.06
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	30.52	10.38
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	33.30	11.33
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	36.08	12.27
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	38.84	13.21
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	41.63	14.15
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	17.44	5.93
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	21.80	7.41
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	26.16	8.90
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	27.61	9.40
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	30.52	10.38
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	34.89	11.86
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	39.25	13.35
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	40.69	13.83
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	43.62	14.83
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	46.51	15.81
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	47.97	16.31
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	52.34	17.78
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	56.70	19.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	61.06	20.75
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	65.42	22.24
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	69.78	23.71
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	32.12	10.91
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	33.90	11.52
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	37.46	12.74
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	42.82	14.55
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	48.18	16.38
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	49.95	16.98
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	53.52	18.20
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	57.09	19.40
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	58.88	20.01
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	64.21	21.83
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	69.57	23.66
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	74.93	25.47
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	80.26	27.29
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	85.63	29.11
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	41.63	14.15
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	43.93	14.93
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	48.56	16.51
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	55.49	18.87
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	62.45	21.22
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	64.75	22.02
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	69.37	23.58
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	73.99	25.16
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	76.32	25.93
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	83.26	28.30
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	90.19	30.65
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	97.13	33.02
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	104.06	35.37
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	111.01	37.74

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.79	2.46
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	6.00	2.46
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	6.17	2.32

06 18 16 Glued-Laminated Columns *(06 18)*

06 18 16 00-0001 Glue Laminated Structural Units *(06 18 16)*

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	16.61	5.02
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	18.70	5.58
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	35.52	11.92
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	38.87	12.50

06 20 Finish Carpentry *(06)*

06 20 23 Interior Finish Carpentry *(06 20)*

06 20 23 00-0001 Residential Wood Shelving *(06 20 23)*

Note: Wood shelving is clear or finger jointed pine, poplar, laminated particleboard or medium-density fiberboard (MDF) shelving. Includes brackets.

06 20 23 00-0002	LF	12" Wide Wood Shelving For Residential Closets	33.70	9.14
06 20 23 00-0003	LF	16" Wide Wood Shelving For Residential Closets	50.56	13.85
06 20 23 00-0004	LF	20" Wide Wood Shelving For Residential Closets	67.63	18.43

06 22 Millwork *(06 20)*

06 22 13 Standard Pattern Wood Trim *(06 22)*

06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.61	1.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.75	1.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.60	1.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.09	1.15
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.53*	

06 22 13 00-0006 Ceilings (All Dimensions Are Nominal) *(06 22 13)*

06 22 13 00-0007 White Pine *(06 22 13 00-0006)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	15.95	5.00
		For Birch, Add	*3.17*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.68*	
		For Poplar, Add	*1.76*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*1.15*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	21.13	6.00
		For Birch, Add	*4.53*	
		For Mahogany, Oak, Maple Or Walnut, Add	*6.51*	
		For Poplar, Add	*2.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.97*	
		For Stain Grade Material (No Finger Joints), Add	*1.63*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.33	3.43
		For Birch, Add	*0.94*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.75*	
		For Poplar, Add	*0.52*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
		For Stain Grade Material (No Finger Joints), Add	*0.34*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.28	3.43
		For Birch, Add	*1.29*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.18*	
		For Poplar, Add	*0.71*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
		For Stain Grade Material (No Finger Joints), Add	*0.46*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.10	4.28
		For Birch, Add	*1.79*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.95*	
		For Poplar, Add	*0.99*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.64*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	13.67	4.28
		For Birch, Add	*2.35*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.65*	
		For Poplar, Add	*1.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.85*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	16.90	5.14
		For Birch, Add	*3.00*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.61*	
		For Poplar, Add	*1.67*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.97*	
		For Stain Grade Material (No Finger Joints), Add	*1.08*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.58	4.00
		For Birch, Add	*1.03*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.86*	
		For Poplar, Add	*0.57*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.10	3.00
		For Birch, Add	*1.02*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.70*	
		For Poplar, Add	*0.56*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
		For Stain Grade Material (No Finger Joints), Add	*0.37*	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.12	3.00
		For Birch, Add	*2.10*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.06*	
		For Poplar, Add	*1.17*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.98*	
		For Stain Grade Material (No Finger Joints), Add	*0.76*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.31	1.71
		For Birch, Add	*0.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.90*	
		For Poplar, Add	*0.27*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
		For Stain Grade Material (No Finger Joints), Add	*0.17*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.65	1.71
		For Birch, Add	*0.60*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.05*	
		For Poplar, Add	*0.33*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.69*	
		For Stain Grade Material (No Finger Joints), Add	*0.22*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.10	2.14
		For Birch, Add	*0.91*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.50*	
		For Poplar, Add	*0.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
		For Stain Grade Material (No Finger Joints), Add	*0.33*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.10	2.14
		For Birch, Add	*0.91*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.50*	
		For Poplar, Add	*0.51*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
		For Stain Grade Material (No Finger Joints), Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	7.62	2.14
		For Birch, Add	*1.46*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.18*	
		For Poplar, Add	*0.81*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.82*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	44.87	2.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	56.45	2.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 22 13 00-0025		Cedar Trim *(06 22 13 00-0006)*		
06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	14.64	7.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.38*	
06 22 13 00-0027		Oak Trim *(06 22 13 00-0006)*		
06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	14.93	6.62
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.21*	
06 22 13 00-0029		Closet Poles *(06 22 13)*		
06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	12.58	3.71
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	14.84	3.71
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	19.49	4.14

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*
Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	7.02	2.58
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.76*	
		For Glue Laminated Installation, Add	*0.35*	
		For 1/8" Thick Paneling, Deduct	*-0.60*	
		For 1/2" Thick Paneling, Add	*1.33*	
		For 5/8" Thick Paneling, Add	*1.57*	
		For 3/4" Thick Paneling, Add	*1.88*	
		For Fire Retardant Treatment (Class I), Add	*0.91*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	7.96	3.16
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*2.07*	
		For Glue Laminated Installation, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.40*	
		For 5/8" Thick Paneling, Add	*1.62*	
		For 3/4" Thick Paneling, Add	*1.91*	
		For Fire Retardant Treatment (Class I), Add	*0.84*	
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	7.82	2.58
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.76*	
		For Glue Laminated Installation, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-0.74*	
		For 1/2" Thick Paneling, Add	*1.76*	
		For 5/8" Thick Paneling, Add	*2.17*	
		For 3/4" Thick Paneling, Add	*2.69*	
		For Fire Retardant Treatment (Class I), Add	*1.54*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	8.20	3.16
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*2.07*	
		For Glue Laminated Installation, Add	*0.41*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.53*	
		For 5/8" Thick Paneling, Add	*1.80*	
		For 3/4" Thick Paneling, Add	*2.15*	
		For Fire Retardant Treatment (Class I), Add	*1.03*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	6.78	2.58
		For Waterproof Glue, Add	*0.06*	
		For Glue Laminated Installation, Add	*0.34*	
		For Lumber Core, Add	*0.10*	
		For Fire Retardant Treatment (Class I), Add	*0.72*	

06 40 Architectural Woodwork *(06)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	109.28	
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	95.02	
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	22.45	

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	403.17	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	428.38	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	447.62	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	470.43	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	532.89	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	556.43	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	600.75	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	632.20	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	651.80	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	741.98	114.27
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	816.43	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	905.04	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	855.91	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	954.15	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	408.95	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	418.75	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	456.28	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	484.87	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	504.96	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	529.47	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	853.98	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	899.88	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	945.48	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	497.53	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	508.30	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	550.64	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	585.01	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	614.73	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	645.02	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	894.43	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	945.14	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	997.48	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0040		**Wall Cabinet, 12" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	363.69	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	386.96	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	426.13	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	453.09	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0045		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	309.15	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	316.82	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	332.19	42.85
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	340.82	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	350.42	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	366.75	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	391.77	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	426.13	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	453.09	92.84
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	320.71	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	337.04	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	349.53	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	362.97	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	381.23	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	401.91	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	420.67	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	436.06	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	445.39	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	352.30	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	382.17	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	406.89	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	436.39	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	465.00	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	507.81	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	519.83	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	565.28	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	581.82	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	393.71	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	425.50	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	453.11	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	484.54	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	564.18	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	567.51	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	587.23	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	640.38	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	656.92	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	437.04	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	475.57	35.71
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	505.10	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	535.57	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	581.51	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	619.50	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	650.78	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	710.67	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	732.03	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	416.84	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	446.37	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	478.48	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	515.93	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	605.48	114.27
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0101 Utility Cabinets, 84" High *(06 41 13 00-0006)*

06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	802.41	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	905.22	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,014.78	596.73
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,067.53	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,283.00	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,473.42	152.36
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	900.62	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	994.76	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,132.25	88.88
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,203.29	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,482.31	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,689.10	152.36
		For All Plywood Box Construction, Add	*234.94*	

06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*

06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	365.62	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	387.94	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	405.25	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	426.13	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	480.89	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	502.51	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	541.05	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	569.62	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	587.29	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	667.84	114.27
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	731.70	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	809.72	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	766.36	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	853.04	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	371.40	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	380.23	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	412.95	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	438.65	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	456.82	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	478.44	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	764.44	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	804.56	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	845.34	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	448.43	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	459.19	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	496.72	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	527.24	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	553.11	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	580.51	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	800.06	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	845.00	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	891.56	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0148		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	330.95	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	351.33	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	386.66	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	410.73	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0153		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	282.19	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	288.89	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	302.35	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	310.97	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	319.61	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	334.01	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	356.14	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	386.66	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	410.73	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0163		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	291.82	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	306.23	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	317.75	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	330.23	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	346.57	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	365.32	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	381.20	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	395.62	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	403.99	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	322.45	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	349.44	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	371.26	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	396.92	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	422.64	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	460.63	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	471.69	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	511.36	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	526.93	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	359.04	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	386.99	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	411.70	42.85
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	439.28	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	510.26	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	512.62	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	530.42	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	577.79	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	592.41	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	396.60	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	431.28	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	457.92	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	484.54	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	525.67	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	558.84	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	586.27	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	639.42	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	658.85	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0203		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	379.29	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	405.93	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	434.19	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	467.78	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	546.74	114.27
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	733.08	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	826.26	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0212	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	925.23	596.73
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0213	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	974.13	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0214	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,165.52	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,335.73	152.36
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	819.74	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	905.22	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,028.26	88.88
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,093.53	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,340.77	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,525.41	152.36
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0222		**Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0223		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0222)*		
06 41 13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	365.62	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	387.94	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	405.25	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	426.13	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	480.89	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	502.51	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	541.05	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	569.62	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	587.29	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	667.84	114.27
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	731.70	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	809.72	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	766.36	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	853.04	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	371.40	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	380.23	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	412.95	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	438.65	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	456.82	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	478.44	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	764.44	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	804.56	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	845.34	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	448.43	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	459.19	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	496.72	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	527.24	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	553.11	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	580.51	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	800.06	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	845.00	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	891.56	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	330.95	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	351.33	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	386.66	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	410.73	92.84
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	282.19	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	288.89	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	302.35	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	310.97	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	319.61	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	334.01	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	356.14	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	386.66	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	410.73	92.84
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	291.82	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	306.23	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	317.75	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	330.23	49.99
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	346.57	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	365.32	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	381.20	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	395.62	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	403.99	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	322.45	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	349.44	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	371.26	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	396.92	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	422.64	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	460.63	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	471.69	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	511.36	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	526.93	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	359.04	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	386.99	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	411.70	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	439.28	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	510.26	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	512.62	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	530.42	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	577.79	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	592.41	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	396.60	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	431.28	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	457.92	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	484.54	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	525.67	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	558.84	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	586.27	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	639.42	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	658.85	85.70
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	379.29	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	405.93	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	434.19	85.70
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	467.78	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	546.74	114.27
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0317		**Utility Cabinets, 84" High** *(06 41 13 00-0222)*		
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	733.08	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	826.26	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	925.23	596.73
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	974.13	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,165.52	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,335.73	152.36
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	819.74	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	905.22	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,028.26	88.88
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,093.53	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,340.77	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,525.41	152.36
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0330		**Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets** *(06 41 13 00-0005)*		
06 41 13 00-0331		**Base Cabinets, 35" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	365.62	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	387.94	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	405.25	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	426.13	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	480.89	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	502.51	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	541.05	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	569.62	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	587.29	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*113.62*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	667.84	114.27
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	731.70	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	809.72	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*227.24*	
		For All Plywood Box Construction, Add	*118.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	766.36	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	853.04	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	371.40	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	380.23	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	412.95	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	438.65	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	456.82	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	478.44	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	764.44	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	804.56	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	845.34	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*340.86*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	448.43	28.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	459.19	35.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	496.72	42.85
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	527.24	49.99
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	553.11	57.14
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	580.51	64.28
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	800.06	71.41
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	845.00	78.56
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	891.56	85.70
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*454.48*	
		For All Plywood Box Construction, Add	*118.43*	

06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	330.95	71.41
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	351.33	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	386.66	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	410.73	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0369		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	282.19	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	288.89	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	302.35	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	310.97	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	319.61	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	334.01	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	356.14	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	386.66	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	410.73	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0379		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	291.82	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	306.23	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	317.75	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	330.23	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	346.57	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	365.32	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	381.20	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	395.62	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	403.99	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	322.45	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	349.44	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	371.26	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	396.92	49.99
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	422.64	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	460.63	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	471.69	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	511.36	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	526.93	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	359.04	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	386.99	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	411.70	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	439.28	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	510.26	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	512.62	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	530.42	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	577.79	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	592.41	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	396.60	28.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	431.28	35.71
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	457.92	42.85
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	484.54	49.99
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	525.67	57.14
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	558.84	64.31
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	586.27	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	639.42	78.56
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	658.85	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0419		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	379.29	71.41
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	405.93	78.56
		For All Plywood Box Construction, Add	*63.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	434.19	85.70
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	467.78	92.84
		For All Plywood Box Construction, Add	*63.55*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	546.74	114.27
		For All Plywood Box Construction, Add	*63.55*	

06 41 13 00-0425 Utility Cabinets, 84" High *(06 41 13 00-0330)*

06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	733.08	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	826.26	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	925.23	596.73
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	974.13	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,165.52	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,335.73	152.36
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	819.74	63.48
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	905.22	76.18
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,028.26	88.88
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,093.53	101.58
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,340.77	126.96
		For All Plywood Box Construction, Add	*234.94*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,525.41	152.36
		For All Plywood Box Construction, Add	*234.94*	

06 41 93 Cabinet and Drawer Hardware *(06 41)*

06 41 93 00-0001 Cabinet Hardware *(06 41 93)*

Note: Includes all finishes, and mounting screws.

06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	34.17	12.15
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	35.21	12.15
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	37.04	12.15
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	39.07	12.15
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	40.11	12.15
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	51.33	12.15
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	97.78	12.15
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	26.59	9.28
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	26.40	9.28
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	35.94	10.71
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	40.82	10.71
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	44.16	10.71
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	48.72	10.71
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	69.92	10.71
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	51.80	14.29
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	75.98	14.29
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	201.44	21.43
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	68.57	12.15
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	46.38	12.15
06 41 93 00-0021	EA	Cabinet Door or Drawer Bored 4-Pin, Cam Lock With 2 Keys	114.48	

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	13.18	3.00
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	13.88	3.00
06 42 13 00-0005		7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*		
06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	14.35	2.85
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	13.39	2.85
06 42 13 00-0008		1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*		
06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	15.27	3.00
06 42 13 00-0010		1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*		
06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	9.83	2.57

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001		Veneer Hardboard Panels *(06 42 16)*		
06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	7.69	2.58
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.76*	
06 42 16 00-0003		Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*		
06 42 16 00-0004		Birch *(06 42 16 00-0003)*		
06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.60	2.30
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.55*	
		For Installation On Metal Studs Or Furring, Add	*0.57*	
		For Glue Laminated Installation, Add	*0.33*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.60*	
		For 1/2" Thick Paneling, Add	*1.39*	
		For 5/8" Thick Paneling, Add	*1.69*	
		For 3/4" Thick Paneling, Add	*2.07*	
		For Fire Retardant Treatment (Class I), Add	*1.12*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.70	2.30
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.55*	
		For Installation On Metal Studs Or Furring, Add	*0.57*	
		For Glue Laminated Installation, Add	*0.34*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.62*	
		For 1/2" Thick Paneling, Add	*1.44*	
		For 5/8" Thick Paneling, Add	*1.76*	
		For 3/4" Thick Paneling, Add	*2.17*	
		For Fire Retardant Treatment (Class I), Add	*1.20*	
06 42 16 00-0007		Knotty Pine *(06 42 16 00-0003)*		
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	7.61	2.58
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.21*	
		For 1/8" Thick Paneling, Deduct	*-0.71*	
		For 1/2" Thick Paneling, Add	*1.70*	
		For 5/8" Thick Paneling, Add	*2.09*	
		For 3/4" Thick Paneling, Add	*2.60*	
		For Fire Retardant Treatment (Class I), Add	*1.48*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	7.53	2.58
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.66*	
		For 5/8" Thick Paneling, Add	*2.03*	
		For 3/4" Thick Paneling, Add	*2.51*	
		For Fire Retardant Treatment (Class I), Add	*1.41*	
06 42 16 00-0010		Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.66	2.88
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.65*	
		For 1/2" Thick Paneling, Add	*1.42*	
		For 5/8" Thick Paneling, Add	*1.68*	
		For 3/4" Thick Paneling, Add	*2.00*	
		For Fire Retardant Treatment (Class I), Add	*0.95*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	7.62	2.88
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.65*	
		For 1/2" Thick Paneling, Add	*1.40*	
		For 5/8" Thick Paneling, Add	*1.65*	
		For 3/4" Thick Paneling, Add	*1.96*	
		For Fire Retardant Treatment (Class I), Add	*0.92*	

06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	7.33	2.58
		For Flitch Matched Veneer, Add	*0.80*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.67*	
		For 1/2" Thick Paneling, Add	*1.55*	
		For 5/8" Thick Paneling, Add	*1.88*	
		For 3/4" Thick Paneling, Add	*2.31*	
		For Fire Retardant Treatment (Class I), Add	*1.26*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	8.03	2.58
		For Flitch Matched Veneer, Add	*1.15*	
		For Second Grade Veneer, Deduct	*-0.23*	
		For Third Grade Veneer, Deduct	*-0.34*	
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.40*	
		For Lumber Core, Add	*0.25*	
		For 1/8" Thick Paneling, Deduct	*-0.78*	
		For 1/2" Thick Paneling, Add	*1.93*	
		For 5/8" Thick Paneling, Add	*2.41*	
		For 3/4" Thick Paneling, Add	*3.02*	
		For Fire Retardant Treatment (Class I), Add	*1.81*	
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	11.81	2.58
		For Flitch Matched Veneer, Add	*2.47*	
		For Second Grade Veneer, Deduct	*-0.49*	
		For Third Grade Veneer, Deduct	*-0.74*	
		For Waterproof Glue, Add	*0.35*	
		For Ceiling Installation, Add	*2.06*	
		For Installation On Metal Studs Or Furring, Add	*0.76*	
		For Glue Laminated Installation, Add	*0.59*	
		For Lumber Core, Add	*0.54*	
		For 1/8" Thick Paneling, Deduct	*-1.30*	
		For 1/2" Thick Paneling, Add	*3.49*	
		For 5/8" Thick Paneling, Add	*4.52*	
		For 3/4" Thick Paneling, Add	*5.85*	
		For Fire Retardant Treatment (Class I), Add	*3.89*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	6.22	2.58
		For Flitch Matched Veneer, Add	*0.53*	
		For Second Grade Veneer, Deduct	*-0.11*	
		For Third Grade Veneer, Deduct	*-0.16*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.55*	
		For Installation On Metal Studs Or Furring, Add	*0.57*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.54*	
		For 1/2" Thick Paneling, Add	*1.19*	
		For 5/8" Thick Paneling, Add	*1.41*	
		For 3/4" Thick Paneling, Add	*1.69*	
		For Fire Retardant Treatment (Class I), Add	*0.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	10.42	2.58
		For Flitch Matched Veneer, Add	*1.98*	
		For Second Grade Veneer, Deduct	*-0.40*	
		For Third Grade Veneer, Deduct	*-0.59*	
		For Waterproof Glue, Add	*0.28*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.52*	
		For Lumber Core, Add	*0.44*	
		For 1/8" Thick Paneling, Deduct	*-1.11*	
		For 1/2" Thick Paneling, Add	*2.91*	
		For 5/8" Thick Paneling, Add	*3.75*	
		For 3/4" Thick Paneling, Add	*4.81*	
		For Fire Retardant Treatment (Class I), Add	*3.13*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	7.50	2.58
		For Flitch Matched Veneer, Add	*0.88*	
		For Second Grade Veneer, Deduct	*-0.18*	
		For Third Grade Veneer, Deduct	*-0.26*	
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.64*	
		For 5/8" Thick Paneling, Add	*2.01*	
		For 3/4" Thick Paneling, Add	*2.48*	
		For Fire Retardant Treatment (Class I), Add	*1.39*	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	8.78	2.58
		For Flitch Matched Veneer, Add	*1.16*	
		For Second Grade Veneer, Deduct	*-0.23*	
		For Third Grade Veneer, Deduct	*-0.35*	
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.44*	
		For Lumber Core, Add	*0.26*	
		For 1/8" Thick Paneling, Deduct	*-0.84*	
		For 1/2" Thick Paneling, Add	*2.03*	
		For 5/8" Thick Paneling, Add	*2.52*	
		For 3/4" Thick Paneling, Add	*3.14*	
		For Fire Retardant Treatment (Class I), Add	*1.83*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	13.70	2.58
		For Flitch Matched Veneer, Add	*2.81*	
		For Second Grade Veneer, Deduct	*-0.56*	
		For Third Grade Veneer, Deduct	*-0.84*	
		For Waterproof Glue, Add	*0.39*	
		For Ceiling Installation, Add	*2.42*	
		For Installation On Metal Studs Or Furring, Add	*0.89*	
		For Glue Laminated Installation, Add	*0.69*	
		For Lumber Core, Add	*0.62*	
		For 1/8" Thick Paneling, Deduct	*-1.50*	
		For 1/2" Thick Paneling, Add	*4.00*	
		For 5/8" Thick Paneling, Add	*5.18*	
		For 3/4" Thick Paneling, Add	*6.70*	
		For Fire Retardant Treatment (Class I), Add	*4.44*	
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	10.42	2.58
		For Flitch Matched Veneer, Add	*1.98*	
		For Second Grade Veneer, Deduct	*-0.40*	
		For Third Grade Veneer, Deduct	*-0.59*	
		For Waterproof Glue, Add	*0.28*	
		For Ceiling Installation, Add	*1.94*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.52*	
		For Lumber Core, Add	*0.44*	
		For 1/8" Thick Paneling, Deduct	*-1.11*	
		For 1/2" Thick Paneling, Add	*2.91*	
		For 5/8" Thick Paneling, Add	*3.75*	
		For 3/4" Thick Paneling, Add	*4.81*	
		For Fire Retardant Treatment (Class I), Add	*3.13*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	9.11	2.58
		For Flitch Matched Veneer, Add	*1.69*	
		For Second Grade Veneer, Deduct	*-0.34*	
		For Third Grade Veneer, Deduct	*-0.51*	
		For Waterproof Glue, Add	*0.24*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.46*	
		For Lumber Core, Add	*0.37*	
		For 1/8" Thick Paneling, Deduct	*-0.96*	
		For 1/2" Thick Paneling, Add	*2.51*	
		For 5/8" Thick Paneling, Add	*3.22*	
		For 3/4" Thick Paneling, Add	*4.13*	
		For Fire Retardant Treatment (Class I), Add	*2.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	7.53	2.58
		For Flitch Matched Veneer, Add	*0.90*	
		For Second Grade Veneer, Deduct	*-0.18*	
		For Third Grade Veneer, Deduct	*-0.27*	
		For Waterproof Glue, Add	*0.13*	
		For Ceiling Installation, Add	*1.72*	
		For Installation On Metal Studs Or Furring, Add	*0.63*	
		For Glue Laminated Installation, Add	*0.38*	
		For Lumber Core, Add	*0.20*	
		For 1/8" Thick Paneling, Deduct	*-0.70*	
		For 1/2" Thick Paneling, Add	*1.66*	
		For 5/8" Thick Paneling, Add	*2.03*	
		For 3/4" Thick Paneling, Add	*2.51*	
		For Fire Retardant Treatment (Class I), Add	*1.41*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	53.76	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	12.79	5.00

06 43 Wood Stairs and Railings *(06 40)*

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	64.10	28.99
06 43 13 00-0003	EA	30" Baluster, Birch	73.82	28.99
06 43 13 00-0004	EA	42" Baluster, Pine	71.36	29.98
06 43 13 00-0005	EA	42" Baluster, Birch	81.73	29.98
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	357.24	113.95
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	520.16	159.92
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	226.63	99.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*32.81*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	262.69	109.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*36.07*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	44.01	15.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.92*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	54.35	8.42
		For Beech, Add	*11.28*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.85*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	65.05	8.42
		For Beech, Add	*14.49*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.85*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	31.92	8.42
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.85*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	42.12	8.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.02*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	39.85	8.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.02*	
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	25.26	8.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.02*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	24.55	8.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.02*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	52.86	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)* Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	308.36	86.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.57*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.26*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.53*	
		For Oak Or Maple Treads, Add	*82.87*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	325.69	88.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.22*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.11*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.88*	
		For Oak Or Maple Treads, Add	*89.40*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	341.66	89.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.56*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.55*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.06*	
		For Oak Or Maple Treads, Add	*95.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	360.06	90.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.88*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.97*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.24*	
		For Oak Or Maple Treads, Add	*103.57*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	371.11	91.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.21*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*83.40*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.42*	
		For Oak Or Maple Treads, Add	*107.90*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	383.59	93.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.87*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*84.26*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.78*	
		For Oak Or Maple Treads, Add	*112.23*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	394.63	94.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.19*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*84.69*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.95*	
		For Oak Or Maple Treads, Add	*116.55*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	405.70	95.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.53*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*85.12*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.14*	
		For Oak Or Maple Treads, Add	*120.88*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	416.70	96.95
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*31.85*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*85.54*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.31*	
		For Oak Or Maple Treads, Add	*125.20*	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	430.52	99.96
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*32.84*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*86.84*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*29.85*	
		For Oak Or Maple Treads, Add	*129.48*	

06 43 16 Wood Railings *(06 43)*

06 43 16 00-0001 Handrails *(06 43 16)*

06 43 16 00-0002 Wood Handrail With Brackets *(06 43 16 00-0001)*

Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.

06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	22.30	7.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.28*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	23.92	7.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.28*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	29.31	7.14
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	30.66	7.14
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	35.51	7.14
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	50.49	7.14

06 44 Ornamental Woodwork *(06 40)*

06 44 39 Wood Posts and Columns *(06 44)*

06 44 39 00-0001 Columns *(06 44 39)*

06 44 39 00-0002 Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	71.05	7.57
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	89.28	11.07
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	109.25	12.82
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	130.33	13.40
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	287.86	15.15
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	334.11	16.32
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	401.69	17.48
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	479.09	18.65
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	81.54	7.57
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	97.69	11.07
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	120.86	12.82
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	142.74	13.40
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	313.08	15.15
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	424.59	16.32
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	457.74	17.48
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	515.12	18.65

06 44 39 00-0019 Pine Colonial Columns, Round Non-Tapered With Cap And Base *(06 44 39 00-0001)*

Note: Paint grade/finger jointed pine.

06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	85.14	7.57
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	105.29	11.07
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	130.06	12.82
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	156.36	13.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	353.16	15.15
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	410.58	16.32
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	494.69	17.48
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	591.11	18.65
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	98.27	7.57
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	116.78	11.07
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	145.12	12.82
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	172.29	13.40
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	384.75	15.15
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	524.00	16.32
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	564.96	17.48
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	636.31	18.65
06 44 39 00-0036		**Pine Classical Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	76.03	7.57
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	95.28	11.07
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	116.79	12.82
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	139.67	13.40
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	87.47	7.57
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	104.44	11.07
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	129.44	12.82
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	153.20	13.40
06 44 39 00-0045		**Redwood Colonial Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	117.97	7.57
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	142.13	11.07
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	176.91	12.82
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	216.01	13.40
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	135.59	7.57
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	160.94	11.07
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	198.93	12.82
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	244.84	13.40
06 44 39 00-0054		**Ornamental Or Decorative Cap And Bases, Resin** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	367.77	15.73
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	555.43	17.48
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	773.45	20.40
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	987.47	23.31
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	327.74	15.73
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	455.34	17.48
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	565.27	20.40
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	739.24	23.31
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	344.92	16.32
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	455.34	17.48
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	565.27	20.40
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	719.22	23.31
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	348.92	16.32
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	495.37	17.48
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	585.28	20.40
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	803.30	23.31
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	348.92	16.32
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	539.41	17.48
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	713.40	20.40
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	883.37	23.31
06 44 39 00-0075		**Ornamental Or Decorative Cap And Bases, Plaster** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	740.11	15.73
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	831.68	17.48
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,057.70	20.40
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,163.62	23.31
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	491.88	15.73
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	571.44	17.48
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	705.40	20.40
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	887.38	23.31
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	473.04	16.32
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	619.49	17.48
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	749.44	20.40
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	887.38	23.31
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	561.12	16.32
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	743.60	17.48
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	837.51	20.40
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,063.53	23.31
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	473.04	16.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	611.48	17.48
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	797.48	20.40
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,019.49	23.31
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	533.09	16.32
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	651.51	17.48
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	793.48	20.40
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	887.38	23.31

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	6.31	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	6.36	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	7.66	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	6.69	2.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	7.07	2.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.09	1.71
		For Clear Birch, Add	*0.76*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
		For Clear Poplar, Add	*0.48*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	9.89	2.14
		For Clear Birch, Add	*0.88*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.95*	
		For Stain Grade Material (No Finger Joints), Add	*0.50*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	12.10	2.43
		For Clear Birch, Add	*1.36*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.70*	
		For Stain Grade Material (No Finger Joints), Add	*0.77*	
		For Clear Poplar, Add	*0.85*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	8.03	2.71
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	7.81	2.71
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	7.34	2.71

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	9.62	2.57
		For Birch, Add	*1.25*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.33*	
		For Poplar, Add	*0.78*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	11.60	2.57
		For Birch, Add	*1.88*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.22*	
		For Poplar, Add	*1.18*	
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	7.14	2.57
		For Birch, Add	*0.92*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.72*	
		For Poplar, Add	*0.57*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	7.49	2.57
		For Birch, Add	*0.64*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.37*	
		For Poplar, Add	*0.80*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	9.17	2.71
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.04*	
		For Poplar, Add	*1.45*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	12.34	2.85
		For Birch, Add	*2.21*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.38*	
		For Poplar, Add	*2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	14.11	2.85
		For Birch, Add	*2.74*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.08*	
		For Poplar, Add	*3.43*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	16.14	3.00
		For Birch, Add	*3.37*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.89*	
		For Poplar, Add	*4.21*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	20.45	3.29
		For Birch, Add	*4.79*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*6.70*	
		For Poplar, Add	*5.99*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.55	2.85
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.45	3.17
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	8.03	3.33
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	9.39	3.73
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	6.48	2.85
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	7.37	3.17
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	8.16	3.33
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	9.77	3.73

06 46 29 00-0011 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0012	LF	1" x 6" Cedar Fascia Board	6.95	2.85
06 46 29 00-0013	LF	1" x 8" Cedar Fascia Board	8.08	3.17
06 46 29 00-0014	LF	1" x 10" Cedar Fascia Board	9.23	3.33
06 46 29 00-0015	LF	1" x 12" Cedar Fascia Board	11.07	3.73

06 46 29 00-0016 Engineered Wood Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0017	LF	1" x 6" Engineered Wood Fascia Board	6.32	2.85
06 46 29 00-0018	LF	1" x 8" Engineered Wood Fascia Board	7.15	3.17
06 46 29 00-0019	LF	1" x 12" Engineered Wood Fascia Board	8.66	3.73

06 46 29 00-0020 Soffit *(06 46 29)*

06 46 29 00-0021 Sanded Plywood Soffit *(06 46 29 00-0020)*

06 46 29 00-0022	SF	3/8" Thick, Sanded Plywood Soffit	5.48	2.16
06 46 29 00-0023	SF	1/2" Thick, Sanded Plywood Soffit	5.97	2.27
06 46 29 00-0024	SF	5/8" Thick, Sanded Plywood Soffit	6.27	2.37
06 46 29 00-0025	SF	3/4" Thick, Sanded Plywood Soffit	6.88	2.50

06 46 29 00-0026 MDO Plywood Soffit *(06 46 29 00-0020)*

06 46 29 00-0027	SF	3/8" Thick, MDO Plywood Soffit	6.02	2.16
06 46 29 00-0028	SF	1/2" Thick, MDO Plywood Soffit	6.66	2.27
06 46 29 00-0029	SF	3/4" Thick, MDO Plywood Soffit	8.20	2.50

06 46 29 00-0030 Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0020)*

06 46 29 00-0031	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	4.50	1.88
06 46 29 00-0032	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.84	1.98

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001 Ash *(06 46 36)*

06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	9.03	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	11.20	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	13.37	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	15.52	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	17.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	20.16	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	22.30	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	24.50	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	26.59	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	28.95	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	31.17	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	10.56	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	13.38	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	16.22	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	19.04	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	22.08	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	25.07	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	27.89	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	30.75	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	33.54	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	36.57	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	39.46	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	12.47	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	16.20	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	19.94	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	23.67	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	27.57	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	31.46	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	35.18	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	38.94	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	42.61	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	46.53	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	50.33	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	15.18	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	20.20	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	25.23	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	30.25	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	35.29	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	40.61	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	45.71	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	50.68	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	55.63	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	61.31	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	65.92	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	

06 46 36 00-0046 Basswood *(06 46 36)*

06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	7.70	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	9.19	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	10.70	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	12.18	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	13.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	15.49	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	16.97	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	18.49	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	19.92	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	21.61	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	23.16	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	8.65	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	10.53	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	12.41	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	14.28	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	16.36	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	18.40	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	20.26	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	22.17	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	24.01	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	26.09	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	28.02	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	11.42	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	14.63	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	17.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	21.05	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	24.42	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	27.79	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	30.98	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	34.22	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	37.36	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	40.76	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	44.03	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	41.23	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	50.27	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	59.19	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	68.39	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	77.30	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	86.44	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	95.26	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	104.18	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.77*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	113.38	2.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.87*	
06 46 36 00-0089		Birch *(06 46 36)*		
06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	8.18	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	9.91	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	11.65	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	13.37	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	15.27	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	17.16	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	18.87	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	20.64	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	22.30	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	24.23	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	26.02	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	9.36	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	11.57	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	13.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	16.09	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	18.51	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	20.87	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	23.12	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	25.41	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	27.59	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	30.00	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	32.31	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	10.75	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	13.63	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	16.51	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	19.38	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	22.42	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	25.46	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	28.31	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	31.22	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	34.03	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	37.09	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	40.03	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	12.90	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	16.77	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	20.65	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	24.53	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	28.43	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	32.60	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	36.46	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	40.39	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	44.19	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	48.73	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	52.19	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0134		**Clear Western Cedar** *(06 46 36)*		
06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.18	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	9.91	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	11.65	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	13.37	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	15.27	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	17.16	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.46	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	11.76	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	14.08	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	16.37	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	18.84	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	21.30	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	11.99	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	15.49	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	18.99	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	22.48	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	26.14	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	29.79	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	12.32	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	15.92	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	19.51	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	23.10	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	26.71	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	30.60	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	36.65	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	44.55	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	52.33	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	60.38	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	68.15	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	76.05	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	83.82	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	91.59	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.77*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	99.65	2.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.87*	
06 46 36 00-0168		**Cherry** *(06 46 36)*		
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	9.70	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	12.20	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	14.70	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	17.19	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	19.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	22.50	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	24.97	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	27.50	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	29.92	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	32.62	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	35.18	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	11.37	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	14.62	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	17.89	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	21.14	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	24.56	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	27.98	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	31.22	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	34.56	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	37.69	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	41.15	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	44.47	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	13.18	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	17.30	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	21.37	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	25.48	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	29.71	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	33.99	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	38.04	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	42.18	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	46.18	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	50.49	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	54.62	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	16.52	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	22.21	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	27.90	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	33.58	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	39.29	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	45.28	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	50.95	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	56.69	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	62.30	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	68.27	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	73.93	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0213		Cypress *(06 46 36)*		
06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.70	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.19	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	10.70	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.18	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	13.84	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	15.49	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	17.35	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	18.92	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	21.82	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	23.71	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	9.84	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	12.29	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	14.79	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	17.28	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	19.93	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	22.54	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	25.03	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	27.55	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	29.97	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	32.71	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	35.17	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	11.37	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	14.49	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	17.60	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	20.72	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	23.85	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	27.27	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	30.36	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	33.53	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	39.42	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	42.92	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	

06 46 36 00-0245 Fir *(06 46 36)*

06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	8.46	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	10.34	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	12.22	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	14.09	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	16.13	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	18.16	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	20.02	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	21.92	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	23.73	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	25.80	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	9.84	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	12.29	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	14.79	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	17.28	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	19.93	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	22.54	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	25.03	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	27.55	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	29.97	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	32.71	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	35.17	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	10.90	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	13.87	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	16.79	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	19.76	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	22.85	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	25.98	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	28.89	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	31.89	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	34.74	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	37.90	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	40.89	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	12.32	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	15.92	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	19.51	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	23.10	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	26.71	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	30.60	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	34.17	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	37.81	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	41.33	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	45.11	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	48.76	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	19.44	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	26.45	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	33.45	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	40.60	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	47.61	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	54.89	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	61.91	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	69.15	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	76.05	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	83.07	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	41.32	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	50.27	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	59.19	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	68.39	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	77.30	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	86.35	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	95.26	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	104.18	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.77*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.27	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.16*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	13.05	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	15.85	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	18.62	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	21.56	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.34*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	24.50	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	27.26	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	30.07	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	32.78	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	35.77	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	38.61	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	12.22	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.19*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	15.86	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	19.56	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.27*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	23.24	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	27.08	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	30.88	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	34.56	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	38.28	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	41.88	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	45.72	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	49.95	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.68*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	13.76	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.22*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	18.16	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	22.51	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.30*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	26.91	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	31.43	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	35.99	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	40.32	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	44.76	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	48.09	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	53.63	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	58.05	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	16.71	1.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	22.49	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	28.28	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.33*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	34.06	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.37*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	39.86	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	45.95	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	51.71	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	57.55	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	63.25	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	69.23	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	75.16	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	19.63	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	26.83	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	33.98	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	41.30	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	48.47	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.45*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	55.94	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	63.09	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	70.44	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	77.58	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	84.79	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	92.22	2.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.81*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	23.82	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	31.60	1.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	40.32	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	49.18	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	57.90	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	66.90	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	75.63	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	84.49	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.67*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	93.21	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	101.94	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	110.95	2.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.84*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	54.19	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	66.47	1.86
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.48*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	78.63	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	91.08	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.61*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	103.23	2.14
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.64*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	115.52	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.71*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	127.67	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.74*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	139.83	2.28
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	152.27	2.43
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.87*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	8.08	1.57
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	9.77	1.57
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	11.46	1.57
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	13.14	1.71
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	14.98	1.71
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	16.83	1.86
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	18.49	1.86
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	20.21	1.86
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	21.82	2.00
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	23.71	2.14
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	25.45	2.14
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	9.36	1.57
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	11.57	1.57
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	13.84	1.71
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	16.09	1.71
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	18.51	1.86
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	20.87	1.86
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	23.12	1.86
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	25.41	2.00
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	27.59	2.00
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	29.04	2.14
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	32.31	2.14
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	10.47	1.57
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	13.20	1.57
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	15.94	1.71
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	18.67	1.71
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	21.56	1.86
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	24.46	1.86
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	27.17	2.00
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	29.93	2.00
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	32.60	2.00
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	35.52	2.14
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	38.31	2.28
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	12.70	1.57
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	16.49	1.71
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	20.27	1.71
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	24.05	1.86
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	27.85	1.86
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	31.94	2.00
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	35.70	2.00
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	40.01	2.14
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	43.23	2.14
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	47.30	2.28
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	51.05	2.28
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	16.29	1.71
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	21.83	1.71
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	27.31	1.71
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	32.96	1.86
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	38.46	1.86
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	44.27	2.00
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	49.75	2.00
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	55.42	2.14
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	60.90	2.14
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	66.44	2.28
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	72.68	2.43
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	58.01	1.86
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	71.24	1.86
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	84.35	2.00
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	97.75	2.14
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	110.85	2.14
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	124.10	2.28
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	137.20	2.28
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	150.31	2.28
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	163.71	2.43

06 46 36 00-0448 Appl Soft Maple *(06 46 36)*

06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	8.18	1.57
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	9.91	1.57
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	11.65	1.57
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	13.37	1.71
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	15.27	1.71
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	17.16	1.86
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	18.87	1.86
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	20.64	1.86
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	22.30	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	24.23	2.14
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	26.02	2.14
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	9.13	1.57
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	11.24	1.57
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	13.36	1.71
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	15.42	1.71
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	17.79	1.86
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	20.06	1.86
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	22.17	1.86
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	24.31	2.00
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	26.39	2.00
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	28.71	2.14
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	30.88	2.14
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	10.04	1.57
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	12.58	1.57
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	15.08	1.71
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	17.62	1.71
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	20.28	1.86
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	22.98	1.86
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	25.45	2.00
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	28.03	2.00
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	30.45	2.00
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	33.19	2.14
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	35.74	2.28
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	11.75	1.57
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	15.06	1.71
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	18.36	1.71
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	21.67	1.86
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	24.99	1.86
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	28.60	2.00
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	31.89	2.00
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	35.24	2.14
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	38.47	2.14
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	41.96	2.28
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	45.33	2.28
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	8.65	1.57
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	10.62	1.57
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	12.60	1.57
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	14.57	1.71
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	16.70	1.71
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	18.83	1.86
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	20.78	1.86
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	22.78	1.86
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	24.68	2.00
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	26.85	2.14
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	28.88	2.14
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	10.17	1.57
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	12.86	1.57
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	15.51	1.71
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	19.14	1.71
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	20.98	1.86
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	23.83	1.86
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	26.46	1.86
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	29.13	2.00
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	31.73	2.00
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	34.62	2.14
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	37.32	2.14
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	12.33	1.57
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	16.01	1.57
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	19.65	1.71
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	23.34	1.71
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	27.14	1.86
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	30.99	1.86
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	34.61	2.00
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	38.32	2.00
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	41.89	2.00
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	45.77	2.14
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	49.47	2.28
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	16.71	1.57
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	22.49	1.71
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	28.28	1.71
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	34.06	1.71
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	39.86	1.86
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	46.04	2.00
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	51.71	2.00
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	58.50	2.14
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	63.25	2.14
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	69.23	2.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	75.07	2.28
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	24.87	1.71
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	34.70	1.71
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	44.47	1.71
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	54.41	1.86
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	64.20	1.86
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	74.29	2.00
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	84.06	2.00
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	94.03	2.14
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	103.80	2.14
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	113.62	2.28
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	123.68	2.43
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	8.75	1.57
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	10.77	1.57
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	12.80	1.57
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	14.80	1.71
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	16.98	1.71
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	19.16	1.86
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	21.16	1.86
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	23.21	1.86
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	25.16	2.00
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	27.38	2.14
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	29.46	2.14
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	10.17	1.57
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	12.86	1.57
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	15.51	1.71
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	19.14	1.71
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	20.98	1.86
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	23.83	1.86
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	26.46	1.86
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	29.13	2.00
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	31.73	2.00
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	34.62	2.14
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	37.32	2.14
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	12.47	1.57
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	16.20	1.57
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	19.94	1.71
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	23.67	1.71
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	27.57	1.86
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	31.46	1.86
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	35.18	2.00
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	38.94	2.00
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	42.61	2.00
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	46.53	2.14
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	50.33	2.28
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	19.57	1.57
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	26.78	1.71
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	34.00	1.71
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	41.21	1.86
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	48.44	1.86
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	55.96	2.00
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	63.15	2.00
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	70.42	2.14
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	76.60	2.14
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	84.95	2.28
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	92.23	2.28
06 46 36 00-0594		**White Pine** *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	9.61	1.57
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	12.05	1.57
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	14.51	1.57
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	16.95	1.71
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	19.56	1.71
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	22.16	1.86
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	24.59	1.86
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	27.07	1.86
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	30.88	2.00
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	33.67	2.14
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	10.65	1.57
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	13.58	1.57
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	16.46	1.71
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	19.38	1.71
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	22.41	1.86
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	25.50	1.86
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	28.36	1.86
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	31.32	2.00
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	34.12	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	37.24	2.14
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	40.18	2.14
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	11.90	1.57
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	15.35	1.57
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	18.89	1.71
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	22.24	1.71
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	25.85	1.86
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	29.46	1.86
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	32.89	2.00
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	36.37	2.00
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	39.75	2.00
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	43.39	2.14
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	46.89	2.28
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	14.61	1.57
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	19.35	1.71
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	24.08	1.71
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	28.82	1.86
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	33.57	1.86
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	38.61	2.00
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	43.32	2.00
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	48.11	2.14
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	53.72	2.14
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	57.69	2.28
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	62.49	2.28
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	21.77	1.71
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	30.03	1.71
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	38.27	1.71
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	46.64	1.86
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	54.91	1.86
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	63.43	2.00
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	71.67	2.00
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	80.06	2.14
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	88.31	2.14
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	96.56	2.28
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	105.09	2.43
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	25.73	1.71
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	35.89	1.71
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	46.04	1.86
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	56.32	1.86
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	66.48	1.86
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	76.91	2.00
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	87.07	2.14
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	97.36	2.14
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	107.51	2.28
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	117.67	2.28
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	128.11	2.43
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	63.34	1.86
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	77.91	1.86
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	92.36	2.00
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	107.09	2.14
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	121.53	2.14
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	136.11	2.28
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	150.55	2.28
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	164.99	2.28
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	179.72	2.43

06 46 36 00-0669 Clear Yellow Pine *(06 46 36)*

06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.94	1.57
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	8.05	1.57
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.17	1.57
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.28	1.71
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	11.55	1.71
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	12.82	1.86
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	13.92	1.86
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.06	1.86
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.79	1.57
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.29	1.57
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	10.74	1.71
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.23	1.71
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	13.83	1.86
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	15.49	1.86
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	17.40	1.86
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	18.97	2.00
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	8.89	1.57
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	10.77	1.71
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	12.64	1.71
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	14.52	1.86
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	16.42	1.86
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	18.59	2.00
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	20.45	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	22.37	2.14
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	25.60	2.14
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	26.42	2.28
06 46 36 00-0696		Poplar *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.22	1.57
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.48	1.57
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	9.74	1.57
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	10.99	1.71
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	12.41	1.71
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	13.82	1.86
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	15.06	1.86
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	16.35	1.86
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	17.53	2.00
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	18.99	2.14
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	20.40	2.14
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	8.17	1.57
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	9.81	1.57
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	11.46	1.71
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.09	1.71
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	14.93	1.86
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	16.73	1.86
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	18.36	1.86
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	20.02	2.00
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	21.63	2.00
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	23.47	2.14
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	25.16	2.14
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	9.04	1.57
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.06	1.57
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.08	1.71
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	15.09	1.71
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	17.27	1.86
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	19.45	1.86
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	21.45	2.00
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	23.50	2.00
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	25.45	2.00
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	27.66	2.14
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	29.74	2.28
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	10.99	1.57
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	13.91	1.71
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	16.84	1.71
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	19.76	1.86
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	22.71	1.86
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	25.93	2.00
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	28.84	2.00
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	31.81	2.14
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	34.65	2.14
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	37.77	2.28
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	40.75	2.28
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	13.91	1.71
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	18.26	1.71
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	22.54	1.71
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	27.01	1.86
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	31.31	1.86
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	35.93	2.00
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	40.21	2.00
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	44.70	2.14
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	48.98	2.14
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	53.33	2.28
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	57.90	2.43
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	16.86	1.71
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	22.59	1.71
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	28.31	1.86
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	34.16	1.86
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	39.89	1.86
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	45.89	2.00
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	51.61	2.14
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	57.47	2.14
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	63.18	2.28
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	68.91	2.28
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	74.92	2.43
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	38.18	1.86
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	46.46	1.86
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	54.61	2.00
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	63.15	2.14
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	71.20	2.14
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	79.48	2.28
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	87.63	2.28
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	95.79	2.28
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	104.23	2.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0772		Clear Heart Redwood *(06 46 36)*		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.56	1.57
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.48	1.57
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	12.41	1.57
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	14.33	1.71
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	16.41	1.71
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	18.49	1.86
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	22.30	1.86
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	24.50	1.86
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	24.63	2.00
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	26.33	2.14
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.08	1.57
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	12.67	1.57
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	15.27	1.71
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	17.85	1.71
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	20.65	1.86
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	23.40	1.86
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	29.32	1.86
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	32.37	2.00
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	35.31	2.00
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	38.53	2.14
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	12.90	1.57
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	16.77	1.71
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	20.65	1.71
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	24.53	1.86
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	28.43	1.86
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	32.70	2.00
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	43.32	2.00
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	48.11	2.14
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	56.58	2.14
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	61.89	2.28
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	59.53	1.86
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	73.15	1.86
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	86.64	2.00
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	100.42	2.14
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	113.90	2.14
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	127.53	2.28
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	141.01	2.28
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	154.51	2.28
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	168.28	2.43
06 46 36 00-0812		Teak *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	21.33	1.57
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	29.64	1.57
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	37.96	1.57
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	46.26	1.71
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	54.73	1.71
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	63.20	1.86
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	71.49	1.86
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	79.83	1.86
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	88.07	2.00
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	96.58	2.14
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	104.95	2.14
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	47.59	1.57
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	54.52	1.71
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	70.98	1.71
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	87.44	1.86
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	103.92	1.86
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	120.21	2.00
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	137.12	2.00
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	153.63	2.14
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	170.01	2.14
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	186.66	2.28
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	203.18	2.28
06 46 36 00-0835		Walnut *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	12.27	1.57
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	16.06	1.57
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	19.85	1.57
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	23.62	1.71
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	27.56	1.71
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	31.51	1.86
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	35.27	1.86
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	39.08	1.86
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	42.79	2.00
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	46.78	2.14
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	50.62	2.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	14.46	1.57
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	19.29	1.57
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	24.09	1.71
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	28.91	1.71
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	33.85	1.86
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	38.84	1.86
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	43.62	1.86
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	48.48	2.00
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	53.18	2.00
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	58.21	2.14
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	63.05	2.14
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	17.47	1.57
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	23.73	1.57
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	29.95	1.71
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	36.21	1.71
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	42.58	1.86
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	49.00	1.86
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	55.20	2.00
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	61.49	2.00
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	67.63	2.00
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	74.08	2.14
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	80.35	2.28
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	23.19	1.57
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	32.22	1.71
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	41.24	1.71
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	50.27	1.86
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	59.31	1.86
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	68.64	2.00
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	77.64	2.00
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	86.72	2.14
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	96.61	2.14
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	104.88	2.28
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	113.96	2.28
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	37.98	1.71
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	54.34	1.71
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	70.68	1.71
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	87.16	1.86
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	103.52	1.86
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	120.15	2.00
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	136.49	2.00
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	152.99	2.14
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	169.33	2.14
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	185.69	2.28
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	202.32	2.43
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	47.18	1.71
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	68.06	1.71
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	88.93	1.86
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	109.94	1.86
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	130.83	1.86
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	151.98	2.00
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	172.86	2.14
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	193.88	2.14
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	214.75	2.28
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	235.63	2.28
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	256.80	2.43

06 48 Wood Frames *(06 40)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	360.20	80.88
		For Birch, Add	*69.51*	
		For Mahogany, Add	*168.80*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	378.59	84.76
		For Birch, Add	*73.44*	
		For Mahogany, Add	*178.36*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	397.00	88.06
		For Birch, Add	*77.37*	
		For Mahogany, Add	*187.89*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	432.06	94.24
		For Birch, Add	*85.22*	
		For Mahogany, Add	*206.96*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	467.96	101.00
		For Birch, Add	*93.08*	
		For Mahogany, Add	*226.05*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	527.10	81.16
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	537.30	84.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	547.43	88.35
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	565.00	94.10
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	585.54	101.28
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	417.85	81.16
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	437.91	84.76
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	458.08	88.35
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	495.34	94.10
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	535.46	101.28

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	179.74	38.50
		For Oak Or Maple, Add	*31.86*	
		For Birch, Add	*35.97*	
		For Mahogany, Add	*87.36*	
		For Walnut Frame, Add	*46.25*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	180.98	38.65
		For Oak Or Maple, Add	*32.13*	
		For Birch, Add	*36.28*	
		For Mahogany, Add	*88.10*	
		For Walnut Frame, Add	*46.64*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	183.27	39.36
		For Oak Or Maple, Add	*32.37*	
		For Birch, Add	*36.55*	
		For Mahogany, Add	*88.77*	
		For Walnut Frame, Add	*46.99*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	186.27	40.37
		For Oak Or Maple, Add	*32.69*	
		For Birch, Add	*36.91*	
		For Mahogany, Add	*89.64*	
		For Walnut Frame, Add	*47.46*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	190.57	41.37
		For Oak Or Maple, Add	*33.38*	
		For Birch, Add	*37.69*	
		For Mahogany, Add	*91.54*	
		For Walnut Frame, Add	*48.46*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	201.37	43.96
		For Oak Or Maple, Add	*35.15*	
		For Birch, Add	*39.68*	
		For Mahogany, Add	*96.37*	
		For Walnut Frame, Add	*51.02*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	214.28	47.55
		For Oak Or Maple, Add	*36.92*	
		For Birch, Add	*41.69*	
		For Mahogany, Add	*101.24*	
		For Walnut Frame, Add	*53.60*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	225.80	50.57
		For Oak Or Maple, Add	*38.68*	
		For Birch, Add	*43.68*	
		For Mahogany, Add	*106.07*	
		For Walnut Frame, Add	*56.16*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.78	3.44
		For Oak Or Maple, Add	*0.58*	
		For Birch, Add	*0.66*	
		For Mahogany, Add	*1.60*	
		For Walnut Frame, Add	*0.85*	

06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

06 49 19 Exterior Wood Shutters *(06 49)*

See CSI section 10 71 13 13-0000 for exterior shutters.

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	14.19	2.31
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	18.08	2.51
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.60	2.71
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	31.46	3.22
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	37.65	3.62
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	20.44	3.12
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	27.44	3.32
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	28.56	3.42
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	39.30	3.72
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	53.49	3.92
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	9.21	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.76	1.37
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	16.63	1.51
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	20.30	1.81
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	29.89	2.12
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	36.35	2.71
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	18.70	1.91
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	25.58	2.02
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	26.83	2.21
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	37.57	2.51
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	51.77	2.71
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0024		**Columns, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	21.87	4.12
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	31.04	5.83
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	33.02	6.53
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	44.60	7.44
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	60.96	9.16
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	8.29	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.38*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.39*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.67*	
		For >750, Deduct	*-0.58*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	9.50	1.51
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	13.19	1.61
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.92	1.71
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0035		**Other Shapes, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	8.07	1.14
		For Reinforced Structural Plastic Lumber, Add	*2.34*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.24	1.30
		For Reinforced Structural Plastic Lumber, Add	*3.10*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.05*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.18*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.75*	
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.37	1.30
		For Reinforced Structural Plastic Lumber, Add	*4.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.69*	
		For White Color, Add	*1.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.99*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-1.04*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	8.12	1.14
		For Reinforced Structural Plastic Lumber, Add	*2.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.66*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.97	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.85*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.41*	
		For >750, Deduct	*-0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	9.13	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.63	1.10
		For Reinforced Structural Plastic Lumber, Add	*1.50*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.51*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.05*	
		For >750, Deduct	*-0.36*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.29	1.30
		For Reinforced Structural Plastic Lumber, Add	*2.38*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.39*	
		For White Color, Add	*0.80*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.67*	
		For >750, Deduct	*-0.58*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.50	1.51
		For Reinforced Structural Plastic Lumber, Add	*2.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.91*	
		For >750, Deduct	*-0.66*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	13.19	1.61
		For Reinforced Structural Plastic Lumber, Add	*4.03*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.83*	
		For >750, Deduct	*-0.98*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.92	1.71
		For Reinforced Structural Plastic Lumber, Add	*5.36*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.87*	
		For White Color, Add	*1.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.76*	
		For >750, Deduct	*-1.30*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	20.30	1.81
		For Reinforced Structural Plastic Lumber, Add	*6.56*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.06*	
		For White Color, Add	*2.22*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.61*	
		For >750, Deduct	*-1.59*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.51	1.91
		For Reinforced Structural Plastic Lumber, Add	*8.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.31*	
		For White Color, Add	*2.73*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.67*	
		For >750, Deduct	*-1.96*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.57	1.76
		For Reinforced Structural Plastic Lumber, Add	*4.09*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.38*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.87*	
		For >750, Deduct	*-0.99*	
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.82	1.88
		For Reinforced Structural Plastic Lumber, Add	*6.34*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.03*	
		For White Color, Add	*2.14*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.46*	
		For >750, Deduct	*-1.54*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.78	2.02
		For Reinforced Structural Plastic Lumber, Add	*8.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.38*	
		For White Color, Add	*2.87*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.96*	
		For >750, Deduct	*-2.06*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.89	2.12
		For Reinforced Structural Plastic Lumber, Add	*9.94*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.61*	
		For White Color, Add	*3.36*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.99*	
		For >750, Deduct	*-2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	36.35	2.71
		For Reinforced Structural Plastic Lumber, Add	*12.01*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.95*	
		For White Color, Add	*4.06*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.44*	
		For >750, Deduct	*-2.92*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.70	1.91
		For Reinforced Structural Plastic Lumber, Add	*5.91*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.96*	
		For White Color, Add	*2.00*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.15*	
		For >500, Deduct	*-1.60*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.58	2.02
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >500, Deduct	*-2.27*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	34.33	2.19
		For Reinforced Structural Plastic Lumber, Add	*11.55*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.87*	
		For White Color, Add	*3.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.12*	
		For >500, Deduct	*-3.12*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.83	2.21
		For Reinforced Structural Plastic Lumber, Add	*8.76*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.42*	
		For White Color, Add	*2.96*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.15*	
		For >500, Deduct	*-2.37*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	37.57	2.51
		For Reinforced Structural Plastic Lumber, Add	*12.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.04*	
		For White Color, Add	*4.25*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.83*	
		For >500, Deduct	*-3.40*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.77	2.71
		For Reinforced Structural Plastic Lumber, Add	*17.72*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.87*	
		For White Color, Add	*5.99*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.45*	
		For >500, Deduct	*-4.79*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	73.01	3.02
		For Reinforced Structural Plastic Lumber, Add	*25.42*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.12*	
		For White Color, Add	*8.59*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.86*	
		For >500, Deduct	*-6.87*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.94	2.91
		For Reinforced Structural Plastic Lumber, Add	*22.50*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.65*	
		For White Color, Add	*7.60*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.81*	
		For >500, Deduct	*-6.08*	
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	110.76	3.02
		For Reinforced Structural Plastic Lumber, Add	*39.39*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.39*	
		For White Color, Add	*13.31*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.68*	
		For >500, Deduct	*-10.65*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	153.56	3.16
		For Reinforced Structural Plastic Lumber, Add	*55.16*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.94*	
		For White Color, Add	*18.63*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.76*	
		For >500, Deduct	*-14.91*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	6.03	1.00
		For Reinforced Structural Plastic Lumber, Add	*1.70*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.28*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	17.16	1.30
		For Reinforced Structural Plastic Lumber, Add	*5.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.92*	
		For White Color, Add	*1.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.98*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.92	1.51
		For Reinforced Structural Plastic Lumber, Add	*6.20*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.01*	
		For White Color, Add	*2.10*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.36*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	23.43	1.81
		For Reinforced Structural Plastic Lumber, Add	*7.71*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.25*	
		For White Color, Add	*2.61*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.42*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	51.66	2.12
		For Reinforced Structural Plastic Lumber, Add	*18.00*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.92*	
		For White Color, Add	*6.08*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.65*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.90	1.10
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	7.13	1.14
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	10.25	1.23
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	13.03	1.27

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22)	21.05	2.40
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22H1-7/8)	38.97	2.40
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22SH)	38.97	2.40
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22A)	50.92	2.40
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22)	26.31	2.40
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22H1-7/8)	44.47	2.40
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22SH)	44.47	2.40
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22A)	55.94	2.40
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42)	21.29	2.40
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42H1-7/8)	33.95	2.40
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42SH)	33.95	2.40
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42A)	45.90	2.40
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42)	25.83	2.40
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42H1-7/8)	38.97	2.40
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42SH)	38.97	2.40
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42A)	48.05	2.40

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001 Carbon Fiber Plates *(06 51 33)*

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.13	
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.68	
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.61	
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.61	
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.46	
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.99	
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.71	
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	346.27	
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	519.49	
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,035.20	
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.19	
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.34	
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	76.13	
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	76.13	
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.44	
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.69	
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	256.41	
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	485.53	
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	734.71	
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,465.64	
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.26	
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.41	
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.53	
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.53	
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.69	
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	334.18	
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	555.16	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	843.59	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,672.00	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	34.06	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.27	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.39	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.39	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	177.22	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.91	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.63	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	637.45	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	963.86	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,921.40	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.12	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.93	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	205.07	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	391.15	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.87	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	743.79	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,127.17	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,244.23	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.85	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.13	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	114.11	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	191.14	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.89	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.61	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	705.81	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,114.51	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,179.66	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.72	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.45	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.43	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.43	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.78	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.78	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	461.50	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	883.05	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,337.33	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,668.34	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	53.05	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.98	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.69	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.69	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.70	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	530.41	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	531.13	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,009.65	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,527.23	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,035.48	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.31	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.31	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.62	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	152.09	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	305.08	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	535.47	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	536.19	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,017.25	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,544.95	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,067.13	
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.17	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.97	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	190.07	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	190.07	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	343.06	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.74	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	656.46	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,250.19	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,899.43	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,774.82	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	20.60	7.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	29.23	11.19
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	33.77	12.59
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	40.67	13.17
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	49.26	15.21
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	39.55	14.57
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	43.65	15.73
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	50.96	17.48
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	68.04	18.65
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	90.06	20.40
06 52 13 00-0012		Fluted Fiberglass Columns *(06 52 13)*		
06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	21.62	7.70
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	30.59	11.19
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	35.49	12.59
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	43.56	13.17
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	53.02	15.27
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	41.63	14.57
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	46.08	15.73
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	54.16	17.48
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	74.19	18.65
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	99.91	20.40
06 52 13 00-0023		Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*		
06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	145.14	17.48
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	192.12	20.40
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	244.66	23.31
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	170.94	17.48
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	205.37	20.40
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	296.27	23.31
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	212.78	17.48
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	257.67	20.40
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	339.50	23.31
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	147.23	17.48
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	196.31	20.40
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	248.85	23.31
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	147.23	17.48
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	176.78	20.40
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	231.42	23.31

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	52.44	2.99
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	71.19	3.59
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	93.29	3.96

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	7.32	2.85
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	8.99	3.57
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	7.05	3.00
06 65 00 00-0006		Cornice, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	6.91	2.85
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	8.12	3.00
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	10.35	3.15
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	11.63	3.29
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	13.09	3.43
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	16.11	3.57
06 65 00 00-0013		Crown Or Bed, Plastic Moldings *(06 65 00 00-0001)*		
06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	10.53	2.85
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	13.89	3.57
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	14.35	3.57
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	14.82	3.57
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	19.01	4.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	21.88	4.28
06 65 00 00-0020		**Dentil, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	9.30	2.85
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	10.18	2.85
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	12.16	2.85
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	15.57	2.85
06 65 00 00-0025		**Cove, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.88	1.57
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	4.11	1.57
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	5.27	1.86
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	5.27	1.86
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	6.30	1.86
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	8.08	2.14
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	10.25	2.14
06 65 00 00-0033		**Chair Rail, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	6.21	2.14
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	8.34	2.85
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	9.68	2.85
06 65 00 00-0037		**Door, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.92	2.57
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.95	2.57
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.45	3.00
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.91	3.00
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	7.70	2.85
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	8.63	2.85
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	6.80	2.85
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	9.31	2.85
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	7.31	2.85
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)*		
		Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.20	1.15
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	5.83	1.29
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	7.56	1.43
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	8.99	1.46
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	10.57	1.50
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.03	1.15
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	7.12	1.29
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.99	1.43
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	10.95	1.46
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	12.76	1.50
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	10.50	1.46
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	13.73	1.50
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	7.44	1.29
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	10.56	1.43

06 70 Structural Composites *(06)*

06 74 Composite Gratings *(06 70)*

06 74 13 Fiberglass Reinforced Gratings *(06 74)*

06 74 13 00-0001		**Molded Fiberglass Gratings And Coverings** *(06 74 13)*		
06 74 13 00-0002		**Vi-Corr Resin System** *(06 74 13 00-0001)*		
		Note: Orange or dark gray.		
06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	38.65	2.15
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	37.57	2.15
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	48.74	2.15
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	52.94	2.76
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	40.51	2.15
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	39.39	2.15
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	51.43	2.15
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	55.47	2.76
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	36.48	1.72
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	58.71	1.89
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	80.22	2.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0014		**IFR Fire Retardant Isophthalic Resin** *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	35.62	2.15
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	33.42	2.15
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.74	2.15
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	46.28	2.76
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	37.15	2.15
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	34.29	2.15
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	46.60	2.76
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	48.79	2.76
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	32.25	1.72
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	45.41	1.89
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	62.15	2.08
06 74 13 00-0026		**Corvex Polyester Resin** *(06 74 13 00-0001)* Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	30.37	2.15
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	29.20	2.15
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	35.20	2.15
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	40.56	2.76
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	32.30	2.15
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	31.12	2.15
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.44	2.15
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	42.48	2.76
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	28.56	1.72
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	45.21	1.89
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	62.47	2.08
06 74 13 00-0038		**XFR Extra Fire Retardant** *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	44.24	2.15
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	42.98	2.15
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	58.49	2.15
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	62.66	2.76
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	46.13	2.15
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	44.90	2.15
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	60.73	2.15
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	65.38	2.76
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	41.68	1.72
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	67.01	1.89
06 74 13 00-0049		**ELS Extremely Low Smoke Resin** *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	45.35	2.15
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	44.00	2.15
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	56.95	2.15
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	61.21	2.76
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	47.10	2.15
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	45.99	2.15
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	59.11	2.15
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	63.39	2.76
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	46.50	1.72
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	83.31	1.89
06 74 13 00-0060		**Pultruded Fiberglass Grating** *(06 74 13)*		
06 74 13 00-0061		**ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0060)* Note: For moderately corrosive environments, green.		
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.51	2.76
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	28.95	2.15
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	36.64	2.76
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	33.95	2.15
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	25.56	2.76
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	22.74	2.15
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.15	2.76
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	26.40	2.15
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	36.60	2.76
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	33.14	2.15
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	41.03	2.76
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	38.55	2.15
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	32.29	2.76
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	29.54	2.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0078		2" ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	32.11	2.76
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	35.42	2.76
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	42.58	2.76
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	40.24	2.76
06 74 13 00-0083		VERF Vinyl Ester Resin System *(06 74 13 00-0060)*		
06 74 13 00-0084		1" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	34.37	2.15
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	30.83	2.15
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	38.55	2.15
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	44.13	2.15
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	26.58	2.15
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	23.85	2.15
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	30.39	2.15
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	27.96	2.15
06 74 13 00-0093		1-1/2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	37.65	2.15
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	34.15	2.15
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	42.92	2.15
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	40.13	2.15
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.93	2.15
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	31.32	2.15
06 74 13 00-0100		2" VERF Vinyl Ester Resin System *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	33.68	2.76
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	31.15	2.76
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	44.78	2.76
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	43.52	2.76
06 74 13 00-0105		Moltruded Fiberglass Rigidex Grating *(06 74 13 00-0060)*		
06 74 13 00-0106	SF	Rigidex I, 1-1/2" Deep Fiberglass Grating, 1-1/2" x 4" Bar Space, Metallic Grey Color, Moltruded, Corvex Resin	24.42	2.40
06 74 13 00-0107	SF	Rigidex I, 2" Deep Fiberglass Grating, 1-1/2" x 4" Bar Space, Metallic Grey Color, Moltruded, Corvex Resin	29.36	2.99
06 74 13 00-0108	SF	Rigidex II, 1-1/2" Deep Fiberglass Grating, 1" x 4" Bar Space, Yellow Color, Moltruded, SOFR Resin	32.83	2.40
06 74 13 00-0109	SF	Rigidex II, 2" Deep Fiberglass Grating, 1" x 4" Bar Space, Yellow Color, Moltruded, ISOFR Resin	37.77	2.99

06 80 Composite Fabrications *(06)*

06 81 Composite Railings *(06 80)*

06 81 13 Glass-Fiber-Reinforced Plastic Railings *(06 81)*

06 81 13 00-0001		Fiberglass Handrail Assemblies *(06 81 13)* Note: Assembly includes posts, rails, kick plates, fasteners and accessories. Not to be used in conjunction with handrail components.		
06 81 13 00-0002	LF	Fiberglass Side Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	75.44	23.95
06 81 13 00-0003	LF	Fiberglass Top Mount Handrail, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, 4" Kick Plate, Stainless Steel Fasteners And Accessories Assembly	83.25	22.45
06 81 13 00-0004	LF	Fiberglass Handrail For Stairs, 2-1/8" Square Tube Posts Up To 42" High, Set 5' On Center, Two Horizontal 1-3/4" Square Tube Rails, Stainless Steel Fasteners And Accessories Assembly	83.00	29.94
06 81 13 00-0005		Fiberglass Handrail Components *(06 81 13)* Note: This section is only to be used when entire handrail assembly is not required.		
06 81 13 00-0006	LF	Fiberglass Kick Plate (12' Sections) With Splice Kit	17.94	5.99
06 81 13 00-0007	LF	Fiberglass Kick Plate (24' sections) With Splice Kit	16.28	5.99
06 81 13 00-0008	EA	Fiberglass Side Mount Post For Handrail	162.45	35.93
06 81 13 00-0009	EA	Fiberglass Top Mount Post For Handrail With Stainless Steel Base	179.58	23.95
06 81 13 00-0010	LF	Fiberglass Square Tube (12' sections) For Horizontal Handrail, ISOFR 1-3/4" x 1/8"	19.83	7.19
06 81 13 00-0011	LF	Fiberglass Square Tube (24' sections) For Horizontal Handrail, ISOFR 1-3/4" x 1/8"	18.98	7.19
06 81 13 00-0012	LF	Fiberglass Square Tube (21' sections) For Horizontal Handrail, ISOFR 2-1/8" x 3/16"	20.25	7.19

06 82 Composite Trim *(06 80)*

06 82 00 00-0001		Fiberglass Castings *(06 82)*		
06 82 00 00-0002		Fiberglass Angle, Equal Legs *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.79	3.59
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	10.18	3.59
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	17.19	4.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	18.77	4.31
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.87	4.31
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.02	4.31
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	21.56	4.31
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	24.01	4.31
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	55.21	5.39
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	63.13	5.39
06 82 00 00-0013		**Fiberglass Channels** *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.39	5.39
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.78	5.39
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	21.85	6.11
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	21.85	6.11
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	32.96	6.11
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	37.97	6.11
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	31.10	6.11
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	37.78	6.11
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	47.45	8.39
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	53.90	8.39
06 82 00 00-0024		**Fiberglass Wide Flange Beams** *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	30.14	7.19
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	32.63	7.19
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	38.29	8.63
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	39.48	8.63
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	60.29	10.78
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	74.36	10.78
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	128.73	13.18
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	144.12	13.18
06 82 00 00-0033		**Fiberglass Flat Sheet** *(06 82 00 00-0001)*		
		Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	25.01	6.11
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	25.99	6.11
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	38.13	7.19
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	43.35	7.19
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	51.20	8.63
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	59.04	8.63
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	68.64	10.78
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	80.65	10.78
06 82 00 00-0042		**Fiberglass Bars** *(06 82 00 00-0001)*		
06 82 00 00-0043		**Square Bars** *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	15.19	4.31
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	21.15	6.34
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	24.66	8.39
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	10.14	3.59
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	20.67	5.39
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	23.05	5.39
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	29.72	5.39
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	35.38	6.11
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.22	3.59
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	11.99	3.59
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	16.12	4.31
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	17.48	4.31
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	29.43	5.39
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	32.57	5.39
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	34.69	6.46
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	43.43	6.46
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	10.81	3.59
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.16	3.59
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	19.15	4.31
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	20.30	4.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0068		Fiberglass Threaded Rods *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	13.60	2.76
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	14.40	2.76
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.52	3.11
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.06	3.11
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	19.81	3.11
06 82 00 00-0074		Grating Support Legs, VEFR Resin *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	15.58	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	6.68	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	25.11	
06 82 00 00-0078		Fiberglass Netting *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.79	0.38
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.78	0.38
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.78	0.38
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.78	0.38
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.78	0.38
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.78	0.38
06 82 00 00-0089		Fiberglass Stair Treads *(06 82)*		
06 82 00 00-0090		Fiberglass Stair Treads *(06 82 00 00-0089)*		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	120.97	18.81
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	141.86	18.81
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	162.75	18.81
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	183.63	18.81
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	133.50	18.81
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	157.52	18.81
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	181.54	18.81
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	205.56	18.81
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	152.72	18.81
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	181.54	18.81
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	210.37	18.81
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	239.19	18.81
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	132.91	18.81
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	156.78	18.81
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	180.66	18.81
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	204.53	18.81
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	147.23	18.81
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	174.68	18.81
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	202.14	18.81
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	229.59	18.81
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	169.19	18.81
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	202.14	18.81
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	235.08	18.81
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	268.03	18.81
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.66	3.83

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)* Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.98	1.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	87.50	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	153.07	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing	23.24	
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing	20.63	
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing	18.67	
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing	17.38	
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing	25.71	
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing	23.10	
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing	21.14	
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing	19.84	
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing	20.77	
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing	18.41	
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing	16.70	
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing	15.65	
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair	8.30	

07 01 50 81-0015 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0016	EA	Mobilize For Emergency Roof Patching	826.15	
07 01 50 81-0017	EA	16 SF Granule Emergency Roof Patch Cover	90.68	

07 01 50 81-0018 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0019 Mastic Sealer *(07 01 50 81-0018)*

07 01 50 81-0020 Applied At Joints Only *(07 01 50 81-0019)*

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	5.44	2.34

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.23
		For Up To 100, Add	*0.17*
		For >100 To 250, Add	*0.08*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.05*

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	38.50	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	63.41	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	4.90	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	6.12	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	7.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 01 70 00-0005		Metal Roofing Repair *(07 01 70)*		
07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	25.71	
07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	23.10	
07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	21.14	
07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	19.84	
07 01 70 00-0010		Removal And Reinstallation Of Metal Coping *(07 01 70)*		
07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	10.67	
		For Up To 25 LF, Add	*5.34*	
		For >25 To 100 LF, Add	*2.67*	
		For >1,000 LF, Deduct	*-1.07*	

07 05 Common Work Results for Thermal and Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001		Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*		
		Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.		
07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,654.94	
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,238.23	
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	827.47	
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	412.75	

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001		Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*		
07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	204.69	
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	314.85	
07 11 13 00-0004		Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*		
07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	352.05	
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	546.34	
07 11 13 00-0007		Asphaltic Paint Dampproofing *(07 11 13)*		
07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	164.43	
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	304.07	

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001		Neoprene *(07 11 19)*		
07 11 19 00-0002	SF	5 To 20 SF, 1/16" Patch Neoprene Roof	44.03	

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001		15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*		
07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	383.37	132.39
		For 30 Lb. Felt, Add	*88.94*	
		For Application To Horizontal Surfaces, Deduct	*-39.72*	
07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	484.48	148.93
		For 30 Lb. Felt, Add	*139.96*	
		For Application To Horizontal Surfaces, Deduct	*-44.68*	
07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	585.60	165.48
		For 30 Lb. Felt, Add	*190.97*	
		For Application To Horizontal Surfaces, Deduct	*-49.65*	
07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	686.72	182.03
		For 30 Lb. Felt, Add	*241.99*	
		For Application To Horizontal Surfaces, Deduct	*-54.61*	
07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	787.83	198.59
		For 30 Lb. Felt, Add	*293.00*	
		For Application To Horizontal Surfaces, Deduct	*-59.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 13 00-0007		**Asphalt Coated Protective Board** *(07 13 13)*		
07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	317.76	132.60
		For Application To Horizontal Surfaces, Deduct	*-44.22*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	392.74	137.69
		For Application To Horizontal Surfaces, Deduct	*-45.90*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	482.86	143.48
		For Application To Horizontal Surfaces, Deduct	*-47.81*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	531.05	149.26
		For Application To Horizontal Surfaces, Deduct	*-49.76*	
07 13 53		**Elastomeric Sheet Waterproofing** *(07 13)*		
07 13 53 00-0001		**Rubberized Membrane Sheet** *(07 13 53)*		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	8.15	1.37
		For Floor Surfaces, Deduct	*-1.32*	
07 13 53 00-0003		**Ethylene Propylene Diene Monomer (EPDM)** *(07 13 53)*		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	527.23	193.69
		For Application To Horizontal Surfaces, Deduct	*-58.10*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	591.81	193.69
		For Application To Horizontal Surfaces, Deduct	*-58.10*	
07 13 53 00-0006		**Butyl Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	111.46	48.42
		For Joint Taping, Add	*16.73*	
		For Each Additional Ply, Add	*82.87*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	131.48	48.42
		For Joint Taping, Add	*17.73*	
		For Each Additional Ply, Add	*96.89*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0009		**Butyl With Nylon** *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	122.90	48.42
		For Joint Taping, Add	*17.30*	
		For Each Additional Ply, Add	*90.88*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	135.78	48.42
		For Joint Taping, Add	*17.95*	
		For Each Additional Ply, Add	*99.90*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0012		**Neoprene Sheet Waterproofing** *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	188.77	48.42
		For Joint Taping, Add	*20.60*	
		For Each Additional Ply, Add	*136.99*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	274.01	48.42
		For Joint Taping, Add	*24.86*	
		For Each Additional Ply, Add	*196.66*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0015		**Neoprene With Nylon** *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	197.67	48.42
		For Joint Taping, Add	*21.04*	
		For Each Additional Ply, Add	*143.22*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	288.22	48.42
		For Joint Taping, Add	*25.57*	
		For Each Additional Ply, Add	*206.61*	
		For Application To Horizontal Surfaces, Deduct	*-7.28*	
07 13 53 00-0018		**Plastic Vapor Barrier (Polyethylene)** *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	46.26	17.42
		For Joint Taping, Add	*11.18*	
		For Each Additional Ply, Add	*36.24*	
		For Application To Horizontal Surfaces, Deduct	*-5.78*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	47.37	17.42
		For Joint Taping, Add	*11.24*	
		For Each Additional Ply, Add	*37.01*	
		For Application To Horizontal Surfaces, Deduct	*-5.78*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	75.67	17.42
		For Joint Taping, Add	*12.65*	
		For Each Additional Ply, Add	*56.82*	
		For Application To Horizontal Surfaces, Deduct	*-5.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite Note: Includes seam tape, liquid mastic, anchors and termination bar.	218.45	17.42
		For Each Additional Ply, Add	*157.20*	
		For Application To Horizontal Surfaces, Deduct	*-6.43*	
07 13 53 00-0023		**Polyvinyl Chloride (PVC) Vapor Barrier** *(07 13 53)*		
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	75.68	19.28
		For Joint Taping, Add	*12.65*	
		For Each Additional Ply, Add	*56.83*	
		For Application To Horizontal Surfaces, Deduct	*-5.78*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	104.15	19.99
		For Joint Taping, Add	*14.41*	
		For Each Additional Ply, Add	*76.91*	
		For Application To Horizontal Surfaces, Deduct	*-6.00*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	142.67	20.70
		For Joint Taping, Add	*16.66*	
		For Each Additional Ply, Add	*104.01*	
		For Application To Horizontal Surfaces, Deduct	*-6.21*	
07 13 53 00-0027		**Vinyl Plastic Vapor Barrier** *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	55.00	17.85

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.77	
		For Application To Horizontal Surfaces, Deduct	*-0.26*	
		For Reinforcing Fabric, Add	*0.61*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	3.24	
		For Application To Horizontal Surfaces, Deduct	*-0.27*	
		For Reinforcing Fabric, Add	*0.61*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.80	
		For Application To Horizontal Surfaces, Deduct	*-0.59*	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.44	
		For Application To Horizontal Surfaces, Deduct	*-0.61*	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	6.15	
		For Application To Horizontal Surfaces, Deduct	*-0.65*	
07 14 16 00-0005		**One Part Solution Of Chlorosulfonated Polyethylene (CSPE) Polymer** *(07 14 16)*		
07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	3.57	
07 14 16 00-0007		**Copolymer Compound** *(07 14 16)*		
07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	5.52	
07 14 16 00-0009		**Fluid Applied Neoprene** *(07 14 16)*		
07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	640.27	
		For Application To Horizontal Surfaces, Deduct	*-70.56*	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,212.72	
		For Application To Horizontal Surfaces, Deduct	*-138.41*	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,963.36	
		For Application To Horizontal Surfaces, Deduct	*-207.51*	

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	5.19	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.33	

07 16 19 Metal Oxide Waterproofing *(07 16)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 16 19 00-0001			Metallic Oxide Waterproofing *(07 16 19)* Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self-leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF		Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	565.06	
			For Application To Horizontal Surfaces, Deduct	*-71.52*	

07 17 Bentonite Waterproofing *(07 10)*

07 17 13 Bentonite Panel Waterproofing *(07 17)*

07 17 13 00-0001	CSF		3/16" Bentonite Waterproofing Panels	470.04	158.21
			For Application To Horizontal Surfaces, Deduct	*-47.48*	
07 17 13 00-0002	CSF		1/4" Bentonite Waterproofing Panels	449.83	167.16
			For Application To Horizontal Surfaces, Deduct	*-51.38*	
07 17 13 00-0003	CSF		5/8" Bentonite Waterproofing Panels	572.80	174.32
			For Application To Horizontal Surfaces, Deduct	*-52.28*	
07 17 13 00-0004	CSF		3/8" Granular Bentonite, Troweled	465.33	144.99
			For Application To Horizontal Surfaces, Deduct	*-43.48*	

07 18 Traffic Coatings *(07 10)*

07 18 13 Pedestrian Traffic Coatings *(07 18)*

07 18 13 00-0001			Elastomeric Plaza Deck System (Garland Dura-Walk®) *(07 18 13)* Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.		
07 18 13 00-0002	SQ		Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit)	186.22	
07 18 13 00-0003	SQ		32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	525.47	
07 18 13 00-0004	SQ		16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	304.44	
07 18 13 00-0005	SQ		16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®)	363.47	
07 18 13 00-0006	LF		6" Wide, Poly Joint Tape (Garland Dura-Walk®)	1.88	
07 18 13 00-0007			Pedestrian Traffic Coating *(07 18 13)* Note: Gaco Western		
07 18 13 00-0008	SF		GACOCRETE A-17, Acrylic Elastomeric Coating	3.35	
07 18 13 00-0009	SF		Silicone Enhanced A-30, Acrylic Elastomeric Coating	2.87	
			For >2,000, Deduct	*-0.34*	
07 18 13 00-0010	SF		Quick Set A-31, Acrylic Elastomeric Coating	2.68	
07 18 13 00-0011	SF		A-32, Acrylic Elastomeric Coating	2.99	
			For >2,000, Deduct	*-0.38*	
07 18 13 00-0012	SF		Liquid Seam Tape A-3611, Acrylic Elastomeric Coating	3.11	
			For >2,000, Deduct	*-0.42*	
07 18 13 00-0013	SF		A-38, Acrylic Elastomeric Coating	3.07	
07 18 13 00-0014	SF		Acrylic Primer A-4121	2.13	
07 18 13 00-0015	SF		Two Component Epoxy Emulsion Primer Filler E-5320	3.52	
07 18 13 00-0016	SF		Two Component Epoxy Rust Inhibiting Primer E-5388	4.07	
07 18 13 00-0017	SF		Two Component 100% Solids Primer E-5481	4.42	
07 18 13 00-0018	SF		Hypalon Roof Coating H-25	4.03	
07 18 13 00-0019	SF		Neoprene Adhesive N-1207	3.16	
07 18 13 00-0020	SF		GACOSIL S-10 Silicone	3.47	
			For >2,000, Deduct	*-0.55*	
07 18 13 00-0021	SF		GACOSIL S-20 Silicone	3.57	
			For >2,000, Deduct	*-0.58*	
07 18 13 00-0022	SF		Urethane Primer/Sealer U-5677	2.30	
07 18 13 00-0023	SF		Single Component Polyurethane Coating, Ure-Shield Aluminum U-6006	3.23	
			For >2,000, Deduct	*-0.46*	
07 18 13 00-0024	SF		Two Component Polyurethane Coating U-62	4.87	
			For >2,000, Deduct	*-0.81*	
07 18 13 00-0025	SF		Two Component Polyurethane Coating, Liquid Applied Polyurethane Rubber U-64	4.29	
07 18 13 00-0026	SF		Two Component Polyurethane Coating U-66	4.81	
07 18 13 00-0027	SF		Two Component Polyurethane Coating U-8730	4.49	
07 18 13 00-0028	SF		Two Component Polyurethane Coating U-8782	4.42	
07 18 13 00-0029	SF		Two Component Polyurethane Aliphatic Coating UA-60	5.45	
07 18 13 00-0030	SF		Two Component Polyurethane Aliphatic Coating UA-7090	6.73	
07 18 13 00-0031	SF		Two Component Polyurethane Base Coating UB-64	4.23	
07 18 13 00-0032	SF		Two Component Polyurethane Base Coating UB-8380	4.16	
07 18 13 00-0033	SF		Etching Detergent D-09	2.33	
07 18 13 00-0034	LB		GacoShell Granules Additive To Coating	2.45	
07 18 13 00-0035	LB		Quartz Granules Additive To Coating	2.21	
07 18 13 00-0036	LF		4" Polyester Reinforcing Tape, 66-B	0.23	
07 18 13 00-0037	LF		6" Polyester Reinforcing Tape, 66-B	0.29	
07 18 13 00-0038	LF		4" Sontara Polyester Reinforcing Tape, 66-S	0.37	
07 18 13 00-0039	LF		6" Sontara Polyester Reinforcing Tape, 66-S	0.51	
07 18 13 00-0040	LF		2" Metal Roof Seam Sealing Tape, 66-MR	1.04	
07 18 13 00-0041	LF		3" Metal Roof Seam Sealing Tape, 66-MR	1.62	
07 18 13 00-0042	LF		4" Metal Roof Seam Sealing Tape, 66-MR	2.01	
07 18 13 00-0043	LF		6" Metal Roof Seam Sealing Tape, 66-MR	2.87	
07 18 13 00-0044	GAL		Polyurethane Coating Thinner T-5106	57.78	
07 18 13 00-0045	GAL		Compliant Thinner T-5110	120.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 18 13 00-0046	GAL	Regular Thinner T-5112	33.70	
07 18 13 00-0047	GAL	Polyurethane Coating Thinner T-5116	43.34	
07 18 13 00-0048	GAL	Polyurethane Troweling Thinner T-5118	52.96	
07 18 13 00-0049	GAL	Compliant Thinner T-5125	57.78	
07 18 13 00-0050	GAL	Fast Polyurethane Coating Thinner T-5130	43.34	
07 18 13 00-0051	GAL	Silicone And U-62 Polyurethane Coating Thinner T-5135	43.34	

07 18 16 Vehicular Traffic Coatings *(07 18)*

07 18 16 00-0001 Preparation For Vehicular Traffic Coating *(07 18 16)*

See CSI section 03 01 30 71-0051 for crack repairs, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0002	SF	Grinding Of Existing Concrete Floor Prior To Installation Of Deck Coating	1.29	
07 18 16 00-0003	SF	Shot Blasting Concrete Surface For Vehicular Traffic Coating	2.76	

07 18 16 00-0004 Vehicular Traffic Coating (Sika) *(07 18 16)*

Note: Excludes surface preparation, deck crack repair, joint sealants or pavement markings. See CSI section 03 01 30 71-0051 for crack repairs, 07 18 16 00-0001 for surface preparaion, 32 17 23 00-0000 for pavement markings.

07 18 16 00-0005	SF	23 Mil Thick, Traffic Coating, Two-Component, Elastomeric Polyurethane Waterproofing, Concrete Coating With Primer (Sika Sikalastic® 720)	4.23	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0006	SF	12 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.60	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0007	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.76	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0008	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	2.93	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0009	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Protective Concrete Coating (Sika Sikalastic®-745 AL)	3.07	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0010	SF	14 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	2.95	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0011	SF	16 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.20	
		Note: Excludes crack repair or caulking.		
07 18 16 00-0012	SF	18 Mil Thick, Vehicular Traffic Bearing Two-Component Aliphatic, Elastomeric Polyurethane, Wear And Top Concrete Coating (Sika Sikalastic®-745 Textured)	3.46	
		Note: Excludes crack repair or caulking.		

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	2.99	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	3.57	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	3.92	

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.80	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.19	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	1.40	
		Note: 40% silane, alcohol based.		
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40)	2.05	
		Note: 40% silane, alcohol based.		
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.54	
		Note: 200 SF/GAL		
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.79	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13		**Foam Board Insulation** *(07 21 13)*		
07 21 13 13-0001		Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*		
07 21 13 13-0002		Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*		
07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.44	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.17	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.34	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.65	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0007		Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*		
07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.03	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.10	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.37	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.66	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.78	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.91	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	6.03	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.15	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.28	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0017		Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*		
		Note: 15 PSI compressive strength.		
07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.30	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.57*	
		For 60 PSI Compressive Strength, Add	*0.90*	
		For 115 PSI Compressive Strength, Add	*3.91*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.69	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.71*	
		For 60 PSI Compressive Strength, Add	*1.13*	
		For 115 PSI Compressive Strength, Add	*4.91*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.00	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.83*	
		For 60 PSI Compressive Strength, Add	*1.31*	
		For 115 PSI Compressive Strength, Add	*5.71*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	3.06	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For 40 PSI Compressive Strength, Add	*0.85*	
		For 60 PSI Compressive Strength, Add	*1.34*	
		For 115 PSI Compressive Strength, Add	*5.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.59	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For 40 PSI Compressive Strength, Add	*1.43*	
		For 60 PSI Compressive Strength, Add	*2.22*	
		For 115 PSI Compressive Strength, Add	*9.72*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.12	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.09*	
		For 115 PSI Compressive Strength, Add	*13.60*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.90	0.53
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.96*	
		For 40 PSI Compressive Strength, Add	*2.29*	
		For 60 PSI Compressive Strength, Add	*3.54*	
		For 115 PSI Compressive Strength, Add	*15.56*	
07 21 13 13-0025		Mechanically Fastened Foam Board Insulation *(07 21 13 13)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0026		Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.43	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.27	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.44	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.86	0.52
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.02	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.08	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.36	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.64	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.89	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	5.12	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.41	0.53
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.75	0.54
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*9.29*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	9.13	0.55
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 21 13 13-0041		Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.29	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.21*	
		For 40 PSI Compressive Strength, Add	*0.50*	
		For 60 PSI Compressive Strength, Add	*0.81*	
		For 115 PSI Compressive Strength, Add	*3.49*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.67	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.27*	
		For 40 PSI Compressive Strength, Add	*0.65*	
		For 60 PSI Compressive Strength, Add	*1.03*	
		For 115 PSI Compressive Strength, Add	*4.47*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.98	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.21*	
		For 115 PSI Compressive Strength, Add	*5.26*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	3.05	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.25*	
		For 115 PSI Compressive Strength, Add	*5.42*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.69	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.18*	
		For 115 PSI Compressive Strength, Add	*9.53*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.34	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For 40 PSI Compressive Strength, Add	*2.01*	
		For 60 PSI Compressive Strength, Add	*3.12*	
		For 115 PSI Compressive Strength, Add	*13.70*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	7.28	0.53
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*1.00*	
		For 40 PSI Compressive Strength, Add	*2.36*	
		For 60 PSI Compressive Strength, Add	*3.66*	
		For 115 PSI Compressive Strength, Add	*16.09*	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.90	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.24	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.56	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.10	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	6.10	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.52	0.51
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.67	0.51
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.82	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.72	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.16	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.59	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	

07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.09	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	6.19	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.62	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.89	0.51
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	10.04	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0001)

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.21	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.62	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.03	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.78	0.67
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.51	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.98	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*
Note: Mechanically fastened to wood or steel.

07 21 13 19-0010 Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation
(07 21 13 19-0009)
Note: Mechanically fastened to wood or steel.

07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.03	0.55
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.44	0.58
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.86	0.61
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.70	0.67
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.43	0.74
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.80*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	6.00	0.86
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.78	0.54
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.92	0.54
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.97	0.54
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.63	0.54
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.22	0.54
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	3.10	0.68
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.51	0.68
		For >1,600, Deduct	*-0.47*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.68	0.54
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.85	0.54
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.33	0.54
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.52	0.54
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.62	0.54
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.91	0.68
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.39	0.68
		For >1,600, Deduct	*-0.45*	

07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	2.04	0.54
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.27	0.54
		For >1,600, Deduct	*-0.29*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.55	0.54
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.62	0.68
		For >1,600, Deduct	*-0.50*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.96	0.68
		For >1,600, Deduct	*-0.56*	

07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.82	0.54
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.97	0.54
		For >1,600, Deduct	*-0.23*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.71	0.54
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.24	0.54
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	3.02	0.68
		For >1,600, Deduct	*-0.42*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.39	0.68
		For >1,600, Deduct	*-0.45*	

07 21 16 00-0031 Mineral Wool Flexible Insulation *(07 21 16)*

07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*

07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.99	0.54
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.65	0.54
		For >1,600, Deduct	*-0.36*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	4.16	0.54
		For >1,600, Deduct	*-0.63*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.95	0.54
		For >1,600, Deduct	*-0.76*	

07 21 16 00-0037 Unfaced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*

07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.85	0.54
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.43	0.54
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.73	0.54
		For >1,600, Deduct	*-0.55*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.43	0.54
		For >1,600, Deduct	*-0.66*	

07 21 16 00-0042 Natural Cotton Insulation *(07 21 16)*

07 21 16 00-0043 UltraTouch™ Natural Cotton Insulation *(07 21 16 00-0042)*

Note: 85% recycled denim cotton.

07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.73	0.54
		For >1,600, Deduct	*-0.39*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	3.05	0.54
		For >1,600, Deduct	*-0.44*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.41	0.54
		For >1,600, Deduct	*-0.52*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.55	0.54
		For >1,600, Deduct	*-0.72*	

07 21 19 Foamed-In-Place Insulation *(07 21)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 21 19 00-0001 Polyurethane Foam Insulation, Sprayed On *(07 21 19)*

07 21 19 00-0002	EA	Minimum Charge For Foamed-In-Place, Spray Polyurethane Insulation Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,661.63	
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.67	
		For Up To 250 SF, Add	*0.64*	
		For >250 To 500 SF, Add	*0.32*	
		For >500 To 1,000 SF, Add	*0.13*	
		For >5,000 To 10,000 SF, Deduct	*-0.20*	
		For >10,000 SF, Deduct	*-0.51*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.26	
		For Up To 250 SF, Add	*0.84*	
		For >250 To 500 SF, Add	*0.42*	
		For >500 To 1,000 SF, Add	*0.18*	
		For >5,000 To 10,000 SF, Deduct	*-0.27*	
		For >10,000 SF, Deduct	*-0.66*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.84	
		For Up To 250 SF, Add	*1.03*	
		For >250 To 500 SF, Add	*0.51*	
		For >500 To 1,000 SF, Add	*0.22*	
		For >5,000 To 10,000 SF, Deduct	*-0.33*	
		For >10,000 SF, Deduct	*-0.81*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.43	
		For Up To 250 SF, Add	*1.22*	
		For >250 To 500 SF, Add	*0.61*	
		For >500 To 1,000 SF, Add	*0.26*	
		For >5,000 To 10,000 SF, Deduct	*-0.39*	
		For >10,000 SF, Deduct	*-0.96*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.00	
		For Up To 250 SF, Add	*1.41*	
		For >250 To 500 SF, Add	*0.71*	
		For >500 To 1,000 SF, Add	*0.30*	
		For >5,000 To 10,000 SF, Deduct	*-0.45*	
		For >10,000 SF, Deduct	*-1.11*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.59	
		For Up To 250 SF, Add	*1.61*	
		For >250 To 500 SF, Add	*0.80*	
		For >500 To 1,000 SF, Add	*0.34*	
		For >5,000 To 10,000 SF, Deduct	*-0.52*	
		For >10,000 SF, Deduct	*-1.26*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.17	
		For Up To 250 SF, Add	*1.80*	
		For >250 To 500 SF, Add	*0.90*	
		For >500 To 1,000 SF, Add	*0.39*	
		For >5,000 To 10,000 SF, Deduct	*-0.58*	
		For >10,000 SF, Deduct	*-1.41*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.74	
		For Up To 250 SF, Add	*1.99*	
		For >250 To 500 SF, Add	*0.99*	
		For >500 To 1,000 SF, Add	*0.43*	
		For >5,000 To 10,000 SF, Deduct	*-0.64*	
		For >10,000 SF, Deduct	*-1.56*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.33	
		For Up To 250 SF, Add	*2.18*	
		For >250 To 500 SF, Add	*1.09*	
		For >500 To 1,000 SF, Add	*0.47*	
		For >5,000 To 10,000 SF, Deduct	*-0.70*	
		For >10,000 SF, Deduct	*-1.71*	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.92	
		For Up To 250 SF, Add	*2.38*	
		For >250 To 500 SF, Add	*1.19*	
		For >500 To 1,000 SF, Add	*0.51*	
		For >5,000 To 10,000 SF, Deduct	*-0.77*	
		For >10,000 SF, Deduct	*-1.87*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.50	
		For Up To 250 SF, Add	*2.57*	
		For >250 To 500 SF, Add	*1.29*	
		For >500 To 1,000 SF, Add	*0.55*	
		For >5,000 To 10,000 SF, Deduct	*-0.83*	
		For >10,000 SF, Deduct	*-2.02*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.22	
		For Up To 250 SF, Add	*1.22*	
		For >250 To 500 SF, Add	*0.61*	
		For >500 To 1,000 SF, Add	*0.26*	
		For >5,000 To 10,000 SF, Deduct	*-0.38*	
		For >10,000 SF, Deduct	*-0.96*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.26	
		For Up To 250 SF, Add	*1.54*	
		For >250 To 500 SF, Add	*0.77*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.49*	
		For >10,000 SF, Deduct	*-1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.17	
		For Up To 250 SF, Add	*1.80*	
		For >250 To 500 SF, Add	*0.90*	
		For >500 To 1,000 SF, Add	*0.39*	
		For >5,000 To 10,000 SF, Deduct	*-0.58*	
		For >10,000 SF, Deduct	*-1.41*	
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.20	
		For Up To 250 SF, Add	*2.12*	
		For >250 To 500 SF, Add	*1.06*	
		For >500 To 1,000 SF, Add	*0.46*	
		For >5,000 To 10,000 SF, Deduct	*-0.68*	
		For >10,000 SF, Deduct	*-1.66*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.10	
		For Up To 250 SF, Add	*2.37*	
		For >250 To 500 SF, Add	*1.19*	
		For >500 To 1,000 SF, Add	*0.51*	
		For >5,000 To 10,000 SF, Deduct	*-0.77*	
		For >10,000 SF, Deduct	*-1.86*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.16	
		For Up To 250 SF, Add	*2.71*	
		For >250 To 500 SF, Add	*1.35*	
		For >500 To 1,000 SF, Add	*0.59*	
		For >5,000 To 10,000 SF, Deduct	*-0.88*	
		For >10,000 SF, Deduct	*-2.12*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.06	
		For Up To 250 SF, Add	*2.96*	
		For >250 To 500 SF, Add	*1.48*	
		For >500 To 1,000 SF, Add	*0.64*	
		For >5,000 To 10,000 SF, Deduct	*-0.97*	
		For >10,000 SF, Deduct	*-2.32*	
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.10	
		For Up To 250 SF, Add	*3.28*	
		For >250 To 500 SF, Add	*1.64*	
		For >500 To 1,000 SF, Add	*0.72*	
		For >5,000 To 10,000 SF, Deduct	*-1.07*	
		For >10,000 SF, Deduct	*-2.57*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.00	
		For Up To 250 SF, Add	*3.54*	
		For >250 To 500 SF, Add	*1.77*	
		For >500 To 1,000 SF, Add	*0.77*	
		For >5,000 To 10,000 SF, Deduct	*-1.16*	
		For >10,000 SF, Deduct	*-2.77*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.04	
		For Up To 250 SF, Add	*3.86*	
		For >250 To 500 SF, Add	*1.93*	
		For >500 To 1,000 SF, Add	*0.84*	
		For >5,000 To 10,000 SF, Deduct	*-1.27*	
		For >10,000 SF, Deduct	*-3.02*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.95	
		For Up To 250 SF, Add	*4.12*	
		For >250 To 500 SF, Add	*2.06*	
		For >500 To 1,000 SF, Add	*0.90*	
		For >5,000 To 10,000 SF, Deduct	*-1.35*	
		For >10,000 SF, Deduct	*-3.22*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.94	
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	7.41	
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.89	
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	10.42	
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	12.06	

07 21 19 00-0031 Expanding Foam Insulation To Fill Window Frames *(07 21 19)*

07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	5.82	

07 21 23 Loose-Fill Insulation *(07 21)*

07 21 23 00-0001 Poured Type, Loose Fill Insulation *(07 21 23)*

07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	8.07	3.14
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.47	3.14

07 21 23 00-0004 Concrete Block Wall Cavity Insulation *(07 21 23)*

07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	11.44	3.14
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	11.33	3.14

07 21 26 Blown Insulation *(07 21)*

07 21 26 00-0001 Fiberglass Blown-In Insulation *(07 21 26)*

07 21 26 00-0002 Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.70	1.37
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.90	1.51
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	2.11	1.64
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.37	1.79
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.51	1.85
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.71	1.92
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.91	1.99
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	3.06	2.06
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	3.28	2.19
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.46	2.26
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.72	2.33
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	4.04	2.47
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.68	2.74
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.52	1.37
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.35	1.64
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.99	1.79
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.73	1.92
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.38	1.37
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.21	1.64
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.85	1.79
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.60	1.92
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.77	1.37
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.12	1.51
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.36	1.64
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.75	1.79
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.81	1.79
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.25	1.92
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.34	1.92
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.65	2.06
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.88	2.06
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.18	2.19
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.40	2.19
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.36	1.37
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.12	1.64
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.67	1.79
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.32	1.92
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.22	1.37
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.98	1.64
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.53	1.79
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.18	1.92
07 21 29		**Sprayed Insulation** *(07 21)*		
07 21 29 00-0001		Fiber Sprayed On Insulation *(07 21 29)* Note: Per each 1" of thickness.		
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.87	0.80
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	2.09	0.80
07 21 29 00-0004		Cellulose Sprayed On Insulation *(07 21 29)*		
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	4.14	0.80
07 21 53		**Reflective Insulation** *(07 21)*		
07 21 53 00-0001		Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*		
07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.30	

07 22 Roof and Deck Insulation *(07 20)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.77
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.22
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.66
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.46
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	5.26

07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.04
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.53

07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.69
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.69
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.95
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.26
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.01
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.49

07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.67
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.87
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	6.29

07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.67
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.85
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	10.17
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	13.50

07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.58
		For Loose-Laid, Deduct	*-1.40*
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.65
		For Loose-Laid, Deduct	*-1.40*
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.93
		For Loose-Laid, Deduct	*-1.41*
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.21
		For Loose-Laid, Deduct	*-1.41*
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.35
		For Loose-Laid, Deduct	*-1.43*
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.49
		For Loose-Laid, Deduct	*-1.44*
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.63
		For Loose-Laid, Deduct	*-1.46*
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.76
		For Loose-Laid, Deduct	*-1.48*
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.90
		For Loose-Laid, Deduct	*-1.49*

07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

Note: 15 PSI compressive strength.

07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.50
		For Loose-Laid, Deduct	*-1.38*
		For 25 PSI Compressive Strength, Add	*0.35*
		For 40 PSI Compressive Strength, Add	*0.83*
		For 60 PSI Compressive Strength, Add	*1.34*
		For 115 PSI Compressive Strength, Add	*5.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.56	
		For Loose-Laid, Deduct	*-1.38*	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For 40 PSI Compressive Strength, Add	*0.85*	
		For 60 PSI Compressive Strength, Add	*1.37*	
		For 115 PSI Compressive Strength, Add	*5.89*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.54	
		For Loose-Laid, Deduct	*-1.38*	
		For 25 PSI Compressive Strength, Add	*0.52*	
		For 40 PSI Compressive Strength, Add	*1.22*	
		For 60 PSI Compressive Strength, Add	*1.93*	
		For 100 PSI Compressive Strength, Add	*2.48*	
		For 115 PSI Compressive Strength, Add	*8.41*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.10	
		For Loose-Laid, Deduct	*-1.40*	
		For 25 PSI Compressive Strength, Add	*0.60*	
		For 40 PSI Compressive Strength, Add	*1.43*	
		For 60 PSI Compressive Strength, Add	*2.24*	
		For 115 PSI Compressive Strength, Add	*9.77*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.22	
		For Loose-Laid, Deduct	*-1.40*	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.85*	
		For 60 PSI Compressive Strength, Add	*2.89*	
		For 100 PSI Compressive Strength, Add	*3.72*	
		For 115 PSI Compressive Strength, Add	*12.65*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.64	
		For Loose-Laid, Deduct	*-1.41*	
		For 25 PSI Compressive Strength, Add	*0.84*	
		For 40 PSI Compressive Strength, Add	*2.00*	
		For 60 PSI Compressive Strength, Add	*3.12*	
		For 115 PSI Compressive Strength, Add	*13.66*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.44	
		For Loose-Laid, Deduct	*-1.43*	
		For 25 PSI Compressive Strength, Add	*0.96*	
		For 40 PSI Compressive Strength, Add	*2.29*	
		For 60 PSI Compressive Strength, Add	*3.56*	
		For 115 PSI Compressive Strength, Add	*15.61*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.15	
		For Loose-Laid, Deduct	*-1.38*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.27	
		For Loose-Laid, Deduct	*-1.38*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.44	
		For Loose-Laid, Deduct	*-1.39*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.92	
		For Loose-Laid, Deduct	*-1.40*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.40	
		For Loose-Laid, Deduct	*-1.41*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.87	
		For Loose-Laid, Deduct	*-1.41*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.39	
		For Loose-Laid, Deduct	*-1.42*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.85	
		For Loose-Laid, Deduct	*-1.43*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	

07 22 16 00-0055 Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.65	

07 22 16 00-0057 Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*

07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.40	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.60	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.74	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.80	
07 22 16 00-0062		Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*		
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.34	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.64	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.70	
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.83	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.12	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.50	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.75	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.33	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.57	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.96	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.88	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.39	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.99	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.39	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.90	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.44	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	9.43	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.53	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.97	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.42	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.23	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	5.05	
07 22 16 00-0089		Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.80	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	3.28	
07 22 16 00-0092		Hot-Mopped, Perlite, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.41	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.67	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.99	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.73	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	4.22	
07 22 16 00-0098		Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.40	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.60	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	6.04	
07 22 16 00-0102		Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.40	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.91	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	13.25	
07 22 16 00-0107		Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.31	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.37	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.53	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.93	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	4.08	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.23	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.37	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.52	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.65	
07 22 16 00-0117		Hot-Mopped, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0082)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.22	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.68*	
		For 60 PSI Compressive Strength, Add	*1.11*	
		For 115 PSI Compressive Strength, Add	*4.74*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.29	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.70*	
		For 60 PSI Compressive Strength, Add	*1.14*	
		For 115 PSI Compressive Strength, Add	*4.87*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.27	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For 40 PSI Compressive Strength, Add	*1.07*	
		For 60 PSI Compressive Strength, Add	*1.71*	
		For 100 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*7.39*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.99	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For 40 PSI Compressive Strength, Add	*1.27*	
		For 60 PSI Compressive Strength, Add	*2.03*	
		For 115 PSI Compressive Strength, Add	*8.77*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	19.31	
		For 25 PSI Compressive Strength, Add	*0.72*	
		For 40 PSI Compressive Strength, Add	*1.70*	
		For 60 PSI Compressive Strength, Add	*3.33*	
		For 100 PSI Compressive Strength, Add	*4.09*	
		For 115 PSI Compressive Strength, Add	*12.97*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.39	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.85*	
		For 60 PSI Compressive Strength, Add	*2.90*	
		For 115 PSI Compressive Strength, Add	*12.64*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	7.18	
		For 25 PSI Compressive Strength, Add	*0.90*	
		For 40 PSI Compressive Strength, Add	*2.14*	
		For 60 PSI Compressive Strength, Add	*3.34*	
		For 115 PSI Compressive Strength, Add	*14.60*	
07 22 16 00-0125		Hot-Mopped, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0082)*		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.88	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.00	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.17	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.65	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.22*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.15	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.62	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.99	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.36*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.59	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0134		**Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock)** *(07 22 16 00-0082)*		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.16	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.36	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.49	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.56	
07 22 16 00-0139		**Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock)** *(07 22 16 00-0082)*		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.09	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.39	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.46	
07 22 16 00-0143		**Mechanically Fastened Rigid Board Roofing Insulation** *(07 22 16 00-0001)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0144		**Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation** *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.59	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.04	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.91*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.11*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.49	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.38	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	5.18	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0150		**Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.86	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	3.35	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.14*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.51	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.77	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	3.08	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.93	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.42	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.49	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.79	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	6.32	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.60	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.77	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	10.20	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.70	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.41*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.41	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.47	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.76	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	3.03	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.28	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.51	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.19*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.83	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	8.17	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.05*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.83*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.83	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.34*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.26*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.32	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.23*	
		For 115 PSI Compressive Strength, Add	*5.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.39	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For 40 PSI Compressive Strength, Add	*0.79*	
		For 60 PSI Compressive Strength, Add	*1.27*	
		For 115 PSI Compressive Strength, Add	*5.45*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.47	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.20*	
		For 60 PSI Compressive Strength, Add	*1.89*	
		For 100 PSI Compressive Strength, Add	*2.43*	
		For 115 PSI Compressive Strength, Add	*8.23*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.02	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.39*	
		For 60 PSI Compressive Strength, Add	*2.20*	
		For 115 PSI Compressive Strength, Add	*9.57*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.25	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For 40 PSI Compressive Strength, Add	*1.86*	
		For 60 PSI Compressive Strength, Add	*2.91*	
		For 100 PSI Compressive Strength, Add	*3.74*	
		For 115 PSI Compressive Strength, Add	*12.73*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.16*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.67	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For 40 PSI Compressive Strength, Add	*2.01*	
		For 60 PSI Compressive Strength, Add	*3.14*	
		For 115 PSI Compressive Strength, Add	*13.73*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.64	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For 25 PSI Compressive Strength, Add	*1.00*	
		For 40 PSI Compressive Strength, Add	*2.36*	
		For 60 PSI Compressive Strength, Add	*3.68*	
		For 115 PSI Compressive Strength, Add	*16.13*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.98	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.82*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.02*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.09	
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.83*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.03*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.37	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.85	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.43	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.16*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.52*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.90	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.17*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.53*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.59	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.35*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.41*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	6.05	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0196		SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.48	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198		SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.23	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0199		SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.43	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0200		SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.56	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0201		SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.63	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)

(07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0203		SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.16	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0204		SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.46	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0205		SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.53	
			For Mechanically Fastened To Concrete, Add	*1.84*	
			For Mechanically Fastened To Gypsum, Add	*2.40*	
			For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
			For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.88*	
			For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
			For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
			For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.08*	
			For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 22 16 00-0206 **Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation** *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.75	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.04	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Gypsum, Add	*2.33*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.99*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.50*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.53	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.78	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.38*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.74*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.53	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.97*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.63*	
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.77	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	8.37	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.07*	

07 22 16 00-0214 **Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation** *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.91	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.72*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.42	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.25*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.73*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.19	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.95*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.61*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.59	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.31	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.23*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.01*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.85	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.24*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.02*	
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	10.09	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*4.57*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*6.49*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.69	
		For 25 PSI Compressive Strength, Add	*0.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.78	
		For 25 PSI Compressive Strength, Add	*0.43*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.44	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.11	
		For 25 PSI Compressive Strength, Add	*0.56*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.78	
		For 25 PSI Compressive Strength, Add	*0.63*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.88	
		For 25 PSI Compressive Strength, Add	*0.68*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.55	
		For 25 PSI Compressive Strength, Add	*0.75*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.21	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.88	
		For 25 PSI Compressive Strength, Add	*0.88*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.97	
		For 25 PSI Compressive Strength, Add	*0.93*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.35	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.11	
		For 25 PSI Compressive Strength, Add	*0.46*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.44	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.21	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	13.55	
		For 25 PSI Compressive Strength, Add	*0.85*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.30	
		For 25 PSI Compressive Strength, Add	*0.97*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.78	
		For 25 PSI Compressive Strength, Add	*0.53*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.88	
		For 25 PSI Compressive Strength, Add	*0.78*	
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	16.97	
		For 25 PSI Compressive Strength, Add	*1.03*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	21.07	
		For 25 PSI Compressive Strength, Add	*1.29*	

07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.94	
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.07	
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.57	
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.07	
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.57	
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.70	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.21	
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.71	
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.21	
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.34	
07 22 16 00-0260		Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.69	
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.32	
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	8.32	
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.95	
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.96	
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	14.59	
07 22 16 00-0267		Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*		
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.82	
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.46	
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	15.09	
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	19.23	
07 22 16 00-0272		Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)* Note: Includes polyurethane adhesive.		
07 22 16 00-0273		Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.54	
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.63	
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.27	
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.90	
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.54	
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.64	
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.28	
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.91	
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.55	
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.64	
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.22	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.95	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	9.22	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.96	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	13.23	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.59	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.60	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	16.59	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	20.60	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)* Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.09	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.45	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.86	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.34	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.75	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.10	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.51	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.99	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.40	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	18.77	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.38	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.16	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.04	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.81	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.70	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.47	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.56	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.21	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	20.87	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	25.52	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.28	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.38	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.05	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.36	
		For 25 PSI Compressive Strength, Add	*0.48*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.38	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.29	
		For 25 PSI Compressive Strength, Add	*0.57*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.96	
		For 25 PSI Compressive Strength, Add	*0.64*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.63	
		For 25 PSI Compressive Strength, Add	*0.70*	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.30	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.18	
		For 25 PSI Compressive Strength, Add	*0.79*	
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	5.15	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.72	
		For 25 PSI Compressive Strength, Add	*0.38*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	9.05	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.63	
		For 25 PSI Compressive Strength, Add	*0.60*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.96	
		For 25 PSI Compressive Strength, Add	*0.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	15.52	
		For 25 PSI Compressive Strength, Add	*0.82*	
07 22 16 00-0340		**Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0321)*		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.38	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.29	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	16.18	
		For 25 PSI Compressive Strength, Add	*0.89*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	20.10	
		For 25 PSI Compressive Strength, Add	*1.11*	
07 22 16 00-0345		**Hot-Mopped, Tapered Perlite Board** *(07 22 16 00-0320)*		
07 22 16 00-0346		**Hot-Mopped, 1/8" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	7.20	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.06	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.47	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.26	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	11.67	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.52	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.93	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.72	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	16.13	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	17.98	
07 22 16 00-0357		**Hot-Mopped, 1/4" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	6.50	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.76	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	10.97	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	14.22	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	15.43	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	18.68	
07 22 16 00-0364		**Hot-Mopped, 1/2" Slope, Tapered Perlite Board** *(07 22 16 00-0345)*		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	11.17	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	15.63	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	85.92	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	24.55	
07 22 16 00-0369		**Mechanically Fastened Tapered Roofing Insulation** *(07 22 16 00-0222)* Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board.		
07 22 16 00-0370		**Mechanically Fastened, Tapered Polyisocyanurate Board** *(07 22 16 00-0369)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		**Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board** *(07 22 16 00-0370)*		
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.61	
		For 25 PSI Compressive Strength, Add	*0.37*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.12	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.79	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.63	
		For 25 PSI Compressive Strength, Add	*0.51*	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.29	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.92	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.59	
		For 25 PSI Compressive Strength, Add	*0.65*	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.50	
		For 25 PSI Compressive Strength, Add	*0.74*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.17	
		For 25 PSI Compressive Strength, Add	*0.81*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.97	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	
07 22 16 00-0382		Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.28	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.45	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.96	
		For 25 PSI Compressive Strength, Add	*0.54*	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.25	
		For 25 PSI Compressive Strength, Add	*0.62*	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.83	
		For 25 PSI Compressive Strength, Add	*0.78*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.31	
		For 25 PSI Compressive Strength, Add	*0.87*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.12	
		For 25 PSI Compressive Strength, Add	*0.46*	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.49	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	15.97	
		For 25 PSI Compressive Strength, Add	*0.93*	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	20.28	
		For 25 PSI Compressive Strength, Add	*1.21*	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.25*	

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.86	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.41	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.91	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.58	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.08	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.75	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.25	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.99	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.49	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.34	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.61	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.66	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.83	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.00	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.24	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	13.59	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.16	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.50	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	14.09	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	18.44	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.25*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.46	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.98	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.03	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.42	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.05	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.69	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.32	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.20	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.83	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.65	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.14	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.29	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.74	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.00	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	12.51	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.96	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0437 Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.93	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.64	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	15.60	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	19.53	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.25*	

07 22 16 00-0442 Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0443 Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.33	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	8.80	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.20	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.17	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.58	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.37*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.08*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.15	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.55	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.59	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.00	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	17.77	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	6.62	
		For Mechanically Fastened To Concrete, Add	*1.89*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.30*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.50	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.37*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.14*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	10.88	
		For Mechanically Fastened To Concrete, Add	*2.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.35*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.39*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.94*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.29*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.09*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.42*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.95*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	13.85	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	15.30	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.44*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.94*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.83*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.90*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.75*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	18.47	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0461 Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*

07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	10.91	
		For Mechanically Fastened To Concrete, Add	*1.95*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.43*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.17*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.76*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.07*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.80*	
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	15.25	
		For Mechanically Fastened To Concrete, Add	*2.06*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.41*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.65*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.20*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.82*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.33*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	19.88	
		For Mechanically Fastened To Concrete, Add	*2.11*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.47*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.34*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.90*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.50*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.86*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	24.73	
		For Mechanically Fastened To Concrete, Add	*2.16*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*3.27*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.84*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*4.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.91*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*7.25*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*6.40*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.73
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.75
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.76
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.79
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.81
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation		0.85
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation		0.87
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation		0.89
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation		0.91
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation		0.93
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation		0.96
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation		0.98

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		4.59
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.74*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.57*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.18
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.77*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.58*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		5.76
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.96*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.74*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		6.33
		For Up To 100, Add	*1.06*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.05*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.88*	
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		6.91
		For Up To 100, Add	*1.08*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.05*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.88*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied		8.04
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.22*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*2.28*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*3.07*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat		6.20
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat		6.83
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat		8.51
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat		9.02
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0014		Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	3.02	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.48	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.99	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.97	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
07 24 13 00-0019		Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
		Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.20	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.30	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.03	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.68	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.03	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.69	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.40	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	6.08	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.89	
		For Up To 100, Add	*2.04*	
		For >100 To 500, Add	*1.02*	
		For >5,000, Deduct	*-0.41*	
07 24 13 00-0029		Primer And Sealers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.55	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.58	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0032		Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.10	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.57	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	

07 24 13 00-0035 Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.17	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	

07 24 13 00-0037 Starter Tracks For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.57	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.92	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.33	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	6.18	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.92	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.33	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.73	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.67	

07 24 13 00-0046 Demolish Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	8.54	
		For Up To 100, Add	*4.27*	
		For >100 To 500, Add	*2.14*	
		For >5,000, Deduct	*-0.85*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	37.55
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	35.15
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	42.82
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	54.06
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	32.69
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	110.55
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	162.15
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	230.61
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	316.08
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	79.52

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	15.13	4.28
		For Up To 50, Add	*5.63*	
		For >50 To 200, Add	*3.19*	
		For >200 To 500, Add	*1.18*	
		For >2,500, Deduct	*-0.76*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	16.39	4.28
		For Up To 50, Add	*6.15*	
		For >50 To 200, Add	*3.48*	
		For >200 To 500, Add	*1.28*	
		For >2,500, Deduct	*-0.82*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	6.18	2.85
		For Up To 50, Add	*3.01*	
		For >50 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.57*	
		For >2,500, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	11.29	4.28
		For Up To 50, Add	*5.38*	
		For >50 To 200, Add	*2.97*	
		For >200 To 500, Add	*1.03*	
		For >2,500, Deduct	*-0.56*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	7.44	2.85
		For Up To 50, Add	*3.20*	
		For >50 To 200, Add	*1.78*	
		For >200 To 500, Add	*0.63*	
		For >2,500, Deduct	*-0.37*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	11.44	2.85
		For Up To 50, Add	*3.62*	
		For >50 To 200, Add	*2.10*	
		For >200 To 500, Add	*0.81*	
		For >2,500, Deduct	*-0.57*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.48
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.70
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.77
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.84

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	344.25	238.99
		For >35 To 75, Deduct	*-12.69*	
		For >75 To 100, Deduct	*-20.66*	
		For >100 To 200, Deduct	*-31.17*	
		For >200, Deduct	*-47.12*	
		For Steep Roof, Over 7 To 12, Add	*69.55*	
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	361.05	250.99
		For >35 To 75, Deduct	*-13.29*	
		For >75 To 100, Deduct	*-21.65*	
		For >100 To 200, Deduct	*-32.67*	
		For >200, Deduct	*-49.39*	
		For Steep Roof, Over 7 To 12, Add	*73.01*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	414.71	263.50
		For >35 To 75, Deduct	*-17.51*	
		For >75 To 100, Deduct	*-27.00*	
		For >100 To 200, Deduct	*-39.99*	
		For >200, Deduct	*-58.98*	
		For Steep Roof, Over 7 To 12, Add	*76.68*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	430.13	305.09
		For >35 To 75, Deduct	*-15.28*	
		For >75 To 100, Deduct	*-25.27*	
		For >100 To 200, Deduct	*-38.32*	
		For >200, Deduct	*-58.29*	
		For Steep Roof, Over 7 To 12, Add	*88.74*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	451.57	290.48
		For >35 To 75, Deduct	*-18.74*	
		For >75 To 100, Deduct	*-29.09*	
		For >100 To 200, Deduct	*-43.19*	
		For >200, Deduct	*-63.90*	
		For Steep Roof, Over 7 To 12, Add	*84.53*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	489.84	320.35
		For >35 To 75, Deduct	*-19.86*	
		For >75 To 100, Deduct	*-31.11*	
		For >100 To 200, Deduct	*-46.33*	
		For >200, Deduct	*-68.84*	
		For Steep Roof, Over 7 To 12, Add	*93.21*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	469.20	276.66
		For >35 To 75, Deduct	*-21.77*	
		For >75 To 100, Deduct	*-32.41*	
		For >100 To 200, Deduct	*-47.41*	
		For >200, Deduct	*-68.69*	
		For Steep Roof, Over 7 To 12, Add	*80.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	530.10	336.38
		For >35 To 75, Deduct	*-22.44*	
		For >75 To 100, Deduct	*-34.57*	
		For >100 To 200, Deduct	*-51.18*	
		For >200, Deduct	*-75.45*	
		For Steep Roof, Over 7 To 12, Add	*97.84*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	562.99	336.38
		For >35 To 75, Deduct	*-25.73*	
		For >75 To 100, Deduct	*-38.51*	
		For >100 To 200, Deduct	*-56.45*	
		For >200, Deduct	*-82.02*	
		For Steep Roof, Over 7 To 12, Add	*97.84*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	615.25	370.80
		For >35 To 75, Deduct	*-27.81*	
		For >75 To 100, Deduct	*-41.80*	
		For >100 To 200, Deduct	*-61.35*	
		For >200, Deduct	*-89.33*	
		For Steep Roof, Over 7 To 12, Add	*107.89*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	608.44	353.20
		For >35 To 75, Deduct	*-28.75*	
		For >75 To 100, Deduct	*-42.52*	
		For >100 To 200, Deduct	*-62.04*	
		For >200, Deduct	*-89.59*	
		For Steep Roof, Over 7 To 12, Add	*102.72*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	603.43	336.38
		For >35 To 75, Deduct	*-29.77*	
		For >75 To 100, Deduct	*-43.37*	
		For >100 To 200, Deduct	*-62.92*	
		For >200, Deduct	*-90.11*	
		For Steep Roof, Over 7 To 12, Add	*97.84*	
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	703.78	370.80
		For >35 To 75, Deduct	*-36.66*	
		For >75 To 100, Deduct	*-52.42*	
		For >100 To 200, Deduct	*-75.52*	
		For >200, Deduct	*-107.04*	
		For Steep Roof, Over 7 To 12, Add	*107.89*	
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	726.84	370.80
		For >35 To 75, Deduct	*-38.97*	
		For >75 To 100, Deduct	*-55.19*	
		For >100 To 200, Deduct	*-79.21*	
		For >200, Deduct	*-111.65*	
		For Steep Roof, Over 7 To 12, Add	*107.89*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	807.11	408.88
		For >35 To 75, Deduct	*-43.54*	
		For >75 To 100, Deduct	*-61.54*	
		For >100 To 200, Deduct	*-88.25*	
		For >200, Deduct	*-124.25*	
		For Steep Roof, Over 7 To 12, Add	*118.95*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	793.38	389.32
		For >35 To 75, Deduct	*-43.94*	
		For >75 To 100, Deduct	*-61.58*	
		For >100 To 200, Deduct	*-88.00*	
		For >200, Deduct	*-123.28*	
		For Steep Roof, Over 7 To 12, Add	*113.28*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	9.68	1.43
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	4.89	3.56
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	5.86	3.95
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	110.82	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	744.96	229.53
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	961.75	250.87
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	12.80	3.30
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	13.27	3.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	9.32	3.30
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	10.25	3.30

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	648.33	200.26
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.91*	
		For >75 To 100, Deduct	*-27.36*	
		For >100 To 200, Deduct	*-47.28*	
		For >200, Deduct	*-64.73*	
		For Steep Roof, Over 7 To 12, Add	*128.19*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	624.51	198.66
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.09*	
		For >75 To 100, Deduct	*-25.84*	
		For >100 To 200, Deduct	*-44.87*	
		For >200, Deduct	*-61.61*	
		For Steep Roof, Over 7 To 12, Add	*127.10*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	1,009.51	200.26
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-24.36*	
		For >75 To 100, Deduct	*-52.64*	
		For >100 To 200, Deduct	*-87.01*	
		For >200, Deduct	*-115.29*	
		For Steep Roof, Over 7 To 12, Add	*128.19*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	931.03	198.66
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-21.35*	
		For >75 To 100, Deduct	*-47.30*	
		For >100 To 200, Deduct	*-78.58*	
		For >200, Deduct	*-104.53*	
		For Steep Roof, Over 7 To 12, Add	*127.10*	
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	10.46	2.67
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.21*	
		For >75 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.12*	
		For Steep Roof, Over 7 To 12, Add	*1.67*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,267.26	341.56
		For >50 To 75, Deduct	*-20.33*	
		For >75 To 100, Deduct	*-54.55*	
		For >100 To 200, Deduct	*-93.86*	
		For >200, Deduct	*-128.08*	
		For Graduated Shapes, Add	*76.24*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,402.51	341.56
		For >50 To 75, Deduct	*-25.74*	
		For >75 To 100, Deduct	*-64.02*	
		For >100 To 200, Deduct	*-108.74*	
		For >200, Deduct	*-147.02*	
		For Graduated Shapes, Add	*96.53*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,361.94	341.56
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-61.18*	
		For >100 To 200, Deduct	*-104.28*	
		For >200, Deduct	*-141.34*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,375.46	341.56
		For >50 To 75, Deduct	*-24.66*	
		For >75 To 100, Deduct	*-62.13*	
		For >100 To 200, Deduct	*-105.76*	
		For >200, Deduct	*-143.23*	
		For Graduated Shapes, Add	*92.47*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,429.57	341.56
		For >50 To 75, Deduct	*-26.82*	
		For >75 To 100, Deduct	*-65.92*	
		For >100 To 200, Deduct	*-111.71*	
		For >200, Deduct	*-150.81*	
		For Graduated Shapes, Add	*100.59*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,361.94	341.56
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-61.18*	
		For >100 To 200, Deduct	*-104.28*	
		For >200, Deduct	*-141.34*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,321.36	341.56
		For >50 To 75, Deduct	*-22.50*	
		For >75 To 100, Deduct	*-58.34*	
		For >100 To 200, Deduct	*-99.81*	
		For >200, Deduct	*-135.66*	
		For Graduated Shapes, Add	*84.36*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,166.52	341.56
		For >50 To 75, Deduct	*-56.30*	
		For >75 To 100, Deduct	*-117.50*	
		For >100 To 200, Deduct	*-192.78*	
		For >200, Deduct	*-253.98*	
		For Graduated Shapes, Add	*211.13*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,361.94	341.56
		For >50 To 75, Deduct	*-24.12*	
		For >75 To 100, Deduct	*-61.18*	
		For >100 To 200, Deduct	*-104.28*	
		For >200, Deduct	*-141.34*	
		For Graduated Shapes, Add	*90.45*	
		For Steep Roof, Over 7 To 12, Add	*242.87*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,077.76	285.57
		For Steep Roof, Over 7 To 12, Add	*182.77*	
		For Pressure-Impregnated Treated (Preservative), Add	*75.99*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	783.00	214.18
		For Steep Roof, Over 7 To 12, Add	*137.08*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.19*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	954.07	242.74
		For Steep Roof, Over 7 To 12, Add	*155.35*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.29*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	781.70	199.90
		For Steep Roof, Over 7 To 12, Add	*127.94*	
		For Pressure-Impregnated Treated (Preservative), Add	*57.29*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,016.74	189.20
		For Steep Roof, Over 7 To 12, Add	*121.08*	
		For Pressure-Impregnated Treated (Preservative), Add	*95.75*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	790.47	160.63
		For Steep Roof, Over 7 To 12, Add	*102.81*	
		For Pressure-Impregnated Treated (Preservative), Add	*70.38*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	767.33	257.02
		For Pressure-Impregnated Treated (Preservative), Add	*38.00*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	748.86	242.74
		For Pressure-Impregnated Treated (Preservative), Add	*39.51*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	756.36	210.62
		For Pressure-Impregnated Treated (Preservative), Add	*50.27*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	1,008.88	299.86
		For Steep Roof, Over 7 To 12, Add	*191.90*	
		For Pressure-Impregnated Treated (Preservative), Add	*61.38*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	900.63	271.29
		For Steep Roof, Over 7 To 12, Add	*173.63*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.71*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	956.48	271.29
		For Steep Roof, Over 7 To 12, Add	*173.63*	
		For Pressure-Impregnated Treated (Preservative), Add	*62.08*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	853.66	242.74
		For Steep Roof, Over 7 To 12, Add	*155.35*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.23*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	823.75	189.20
		For Steep Roof, Over 7 To 12, Add	*121.08*	
		For Pressure-Impregnated Treated (Preservative), Add	*66.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	675.31	164.20
		For Steep Roof, Over 7 To 12, Add	*105.09*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.04*	
07 31 29 13-0021		#2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*		
07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	747.18	271.29
		For Pressure-Impregnated Treated (Preservative), Add	*30.69*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	720.97	257.02
		For Pressure-Impregnated Treated (Preservative), Add	*31.04*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	690.74	228.46
		For Pressure-Impregnated Treated (Preservative), Add	*35.07*	
07 31 29 16		**Wood Shakes** *(07 31 29)*		
07 31 29 16-0001		#1 Grade, Red Cedar Shakes *(07 31 29 16)*		
07 31 29 16-0002		#1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*		
07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	791.41	232.03
		For Steep Roof, Over 7 To 12, Add	*148.50*	
		For Pressure-Impregnated Treated (Preservative), Add	*49.10*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	900.52	232.03
		For Steep Roof, Over 7 To 12, Add	*148.50*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.47*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	828.48	189.20
		For Steep Roof, Over 7 To 12, Add	*121.08*	
		For Pressure-Impregnated Treated (Preservative), Add	*67.52*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	874.86	189.20
		For Steep Roof, Over 7 To 12, Add	*121.08*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.47*	
07 31 29 16-0007		#1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*		
07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	827.11	249.87
		For Pressure-Impregnated Treated (Preservative), Add	*49.10*	
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	936.22	249.87
		For Pressure-Impregnated Treated (Preservative), Add	*65.47*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	878.47	214.18
		For Pressure-Impregnated Treated (Preservative), Add	*67.52*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	924.85	214.18
		For Pressure-Impregnated Treated (Preservative), Add	*74.47*	
07 31 29 19		**Wood Shingles And Shakes Cap** *(07 31 29)*		
07 31 29 19-0001		Accessories *(07 31 29 19)*		
07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes	12.96	1.86
		For Steep Roof, Over 7 To 12, Add	*1.38*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.30*	
07 31 33		**Composite Rubber Shingles** *(07 31)*		
07 31 33 00-0001		Synthetic Polymeric Rubber Slate Shingles *(07 31 33)* Note: As manufactured by EcoStar.		
07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,508.88	307.60
		For Purple Or Green Color, Add	*143.00*	
		For Brown Or Red Color, Add	*366.44*	
		For Steep Roof, Over 7 To 12, Add	*196.84*	
		For >50 To 75, Deduct	*-22.34*	
		For >75 To 100, Deduct	*-60.07*	
		For >100 To 200, Deduct	*-97.79*	
		For >200, Deduct	*-150.89*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	2,104.71	307.60
		For Purple, Green, Brown Or Red, Add	*223.44*	
		For Steep Roof, Over 7 To 12, Add	*196.84*	
		For >50 To 75, Deduct	*-37.24*	
		For >75 To 100, Deduct	*-89.86*	
		For >100 To 200, Deduct	*-142.48*	
		For >200, Deduct	*-210.47*	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,754.22	307.60
		For Purple, Green, Brown Or Red, Add	*410.07*	
		For Steep Roof, Over 7 To 12, Add	*196.84*	
		For >50 To 75, Deduct	*-28.48*	
		For >75 To 100, Deduct	*-72.33*	
		For >100 To 200, Deduct	*-116.19*	
		For >200, Deduct	*-175.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,227.38	307.60
		For Purple, Green, Brown Or Red, Add	*177.35*	
		For Steep Roof, Over 7 To 12, Add	*196.84*	
		For >50 To 75, Deduct	*-40.31*	
		For >75 To 100, Deduct	*-95.99*	
		For >100 To 200, Deduct	*-151.68*	
		For >200, Deduct	*-222.74*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	17.67	2.07

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,442.66	323.93
		For >25 To 50, Deduct	*-47.68*	
		For >50 To 75, Deduct	*-95.67*	
		For >75 To 100, Deduct	*-135.71*	
		For >100 To 200, Deduct	*-167.80*	
		For >200, Deduct	*-191.95*	
		For 20 Year Warranty, Add	*55.63*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,695.93	323.93
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-121.00*	
		For >75 To 100, Deduct	*-168.64*	
		For >100 To 200, Deduct	*-205.79*	
		For >200, Deduct	*-232.47*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,695.93	323.93
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-121.00*	
		For >75 To 100, Deduct	*-168.64*	
		For >100 To 200, Deduct	*-205.79*	
		For >200, Deduct	*-232.47*	
		For 20 Year Warranty, Add	*73.36*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,910.83	323.93
		For >25 To 50, Deduct	*-75.77*	
		For >50 To 75, Deduct	*-142.49*	
		For >75 To 100, Deduct	*-196.57*	
		For >100 To 200, Deduct	*-238.03*	
		For >200, Deduct	*-266.86*	
		For 20 Year Warranty, Add	*88.40*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,722.99	396.06
		For >25 To 50, Deduct	*-55.85*	
		For >50 To 75, Deduct	*-112.89*	
		For >75 To 100, Deduct	*-160.62*	
		For >100 To 200, Deduct	*-199.04*	
		For >200, Deduct	*-228.15*	
		For 20 Year Warranty, Add	*65.16*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	2,101.04	396.06
		For >25 To 50, Deduct	*-78.54*	
		For >50 To 75, Deduct	*-150.70*	
		For >75 To 100, Deduct	*-209.77*	
		For >100 To 200, Deduct	*-255.75*	
		For >200, Deduct	*-288.64*	
		For 20 Year Warranty, Add	*91.63*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,691.92	534.31
		For >25 To 50, Deduct	*-97.42*	
		For >50 To 75, Deduct	*-189.07*	
		For >75 To 100, Deduct	*-264.49*	
		For >100 To 200, Deduct	*-323.67*	
		For >200, Deduct	*-366.61*	
		For 20 Year Warranty, Add	*113.65*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,533.85	396.06
		For >25 To 50, Deduct	*-44.51*	
		For >50 To 75, Deduct	*-93.98*	
		For >75 To 100, Deduct	*-136.03*	
		For >100 To 200, Deduct	*-170.67*	
		For >200, Deduct	*-197.89*	
		For 20 Year Warranty, Add	*51.92*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,840.09	396.06
		For >25 To 50, Deduct	*-62.88*	
		For >50 To 75, Deduct	*-124.60*	
		For >75 To 100, Deduct	*-175.84*	
		For >100 To 200, Deduct	*-216.61*	
		For >200, Deduct	*-246.89*	
		For 20 Year Warranty, Add	*73.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,295.78	296.55
		For >25 To 50, Deduct	*-42.16*	
		For >50 To 75, Deduct	*-85.09*	
		For >75 To 100, Deduct	*-121.00*	
		For >100 To 200, Deduct	*-149.88*	
		For >200, Deduct	*-171.74*	
		For 20 Year Warranty, Add	*49.18*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,625.80	296.55
		For >25 To 50, Deduct	*-61.96*	
		For >50 To 75, Deduct	*-118.09*	
		For >75 To 100, Deduct	*-163.90*	
		For >100 To 200, Deduct	*-199.38*	
		For >200, Deduct	*-224.54*	
		For 20 Year Warranty, Add	*72.28*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,909.78	296.55
		For >25 To 50, Deduct	*-79.00*	
		For >50 To 75, Deduct	*-146.49*	
		For >75 To 100, Deduct	*-200.82*	
		For >100 To 200, Deduct	*-241.98*	
		For >200, Deduct	*-269.98*	
		For 20 Year Warranty, Add	*92.16*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,361.44	464.85
		For >25 To 50, Deduct	*-85.90*	
		For >50 To 75, Deduct	*-166.42*	
		For >75 To 100, Deduct	*-232.61*	
		For >100 To 200, Deduct	*-284.49*	
		For >200, Deduct	*-322.05*	
		For 20 Year Warranty, Add	*100.22*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	1,112.63	323.93
		For >25 To 50, Deduct	*-27.88*	
		For >50 To 75, Deduct	*-62.67*	
		For >75 To 100, Deduct	*-92.81*	
		For >100 To 200, Deduct	*-118.30*	
		For >200, Deduct	*-139.14*	
		For 20 Year Warranty, Add	*32.53*	
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,498.00	464.85
		For >25 To 50, Deduct	*-34.10*	
		For >50 To 75, Deduct	*-80.07*	
		For >75 To 100, Deduct	*-120.36*	
		For >100 To 200, Deduct	*-154.97*	
		For >200, Deduct	*-183.90*	
		For 20 Year Warranty, Add	*39.78*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,272.38	491.04
		For >50 To 75, Deduct	*-11.61*	
		For >75 To 100, Deduct	*-44.87*	
		For >100 To 200, Deduct	*-81.03*	
		For >200, Deduct	*-114.29*	
		For Steep Roof, Over 7 To 12, Add	*314.30*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,556.04	491.04
		For >50 To 75, Deduct	*-22.95*	
		For >75 To 100, Deduct	*-64.72*	
		For >100 To 200, Deduct	*-112.23*	
		For >200, Deduct	*-154.00*	
		For Steep Roof, Over 7 To 12, Add	*314.30*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,329.11	491.04
		For >50 To 75, Deduct	*-13.88*	
		For >75 To 100, Deduct	*-48.84*	
		For >100 To 200, Deduct	*-87.27*	
		For >200, Deduct	*-122.23*	
		For Steep Roof, Over 7 To 12, Add	*314.30*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,239.91	439.34
		For >50 To 75, Deduct	*-14.44*	
		For >75 To 100, Deduct	*-47.25*	
		For >100 To 200, Deduct	*-83.66*	
		For >200, Deduct	*-116.46*	
		For Steep Roof, Over 7 To 12, Add	*281.22*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	4.79
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.15
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.76
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.45
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	5.67

07 32 33 Polymer Roofing Tiles *(07 32)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 33 00-0001		**DaVinci Polymer Roofing Tiles** *(07 32 33)* Note: Texas. Includes 30 Lb. felt underlayment, typical ice and water shield requirements, and edge and valley metal requirements.		
07 32 33 00-0002		**DaVinci Bellaforte Shakes** *(07 32 33 00-0001)*		
07 32 33 00-0003	SQ	12" Exposure, Hand Split Jumbo Cedar Random Width Look, 1" Thick (Average), VariBlend Polymer Roofing Tile (DaVinci Bellaforte Shake)	1,742.61	298.42
07 32 33 00-0004	LF	4" x 12" Starter (DaVinci Bellaforte Shake)	20.67	2.01
07 32 33 00-0005	LF	One Piece Rake System (DaVinci Bellaforte Shake)	19.79	2.01
07 32 33 00-0006	LF	One Piece Hip/Ridge (DaVinci Bellaforte Shake)	24.79	2.01
07 32 33 00-0007	EA	Transition Tile (Self Aligning Edge Removed) (DaVinci Bellaforte Shake)	19.22	2.01
07 32 33 00-0008		**DaVinci Multi-Width Shakes** *(07 32 33 00-0001)*		
07 32 33 00-0009	SQ	10" Exposure, 4" To 9" Widths, Hand Split Medium Cedar Shake Look, 5/8" To 1/4" Thick, Polymer Roofing Tile (DaVinci Multi-Width Shake)	2,650.64	298.42
07 32 33 00-0010	SQ	9" Exposure, 4" To 9" Widths, Hand Split Medium Cedar Shake Look, 5/8" To 1/4" Thick, Polymer Roofing Tile (DaVinci Multi-Width Shake)	2,999.56	298.42
07 32 33 00-0011	LF	12" x 12" Starter (DaVinci Multi-Width Shake)	24.91	2.01
07 32 33 00-0012	LF	12" Width, One Piece Hip/Ridge (DaVinci Multi-Width Shake)	33.86	2.01
07 32 33 00-0013	LF	6" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Shake)	28.86	2.01
07 32 33 00-0014	LF	12" Width Valley (DaVinci Multi-Width Shake)	49.10	2.01
07 32 33 00-0015	EA	12" Solid Accessory Shake (DaVinci Multi-Width Shake)	67.02	2.01
07 32 33 00-0016		**DaVinci Bellaforte Slates** *(07 32 33 00-0001)*		
07 32 33 00-0017	SQ	12" Exposure, 12" Wide, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Bellaforte Slate)	1,953.95	298.42
07 32 33 00-0018	LF	3-1/2" x 12" Starter (DaVinci Bellaforte Slate)	20.74	2.01
07 32 33 00-0019	LF	One Piece Rake System (DaVinci Bellaforte Slate)	19.86	2.01
07 32 33 00-0020	LF	One Piece Hip/Ridge (DaVinci Bellaforte Slate)	24.58	2.01
07 32 33 00-0021	EA	Transition Tile (Self Aligning Edge Removed) (DaVinci Bellaforte Slate)	19.28	2.01
07 32 33 00-0022		**DaVinci Single-Width Slates** *(07 32 33 00-0001)*		
07 32 33 00-0023	SQ	8" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	2,406.49	298.42
07 32 33 00-0024	SQ	7-1/2" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	2,591.21	298.42
07 32 33 00-0025	SQ	7" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	2,775.91	298.42
07 32 33 00-0026	SQ	6" Exposure, 18" Long x 12" Width, Single Width Slate Look, 1/2" Thick, VariBlend Polymer Roofing Tile (DaVinci Single-Width Slate)	3,212.07	298.42
07 32 33 00-0027	LF	12" x 12" Starter (DaVinci Single-Width Slate)	25.31	2.01
07 32 33 00-0028	LF	6" Width Hip/Ridge (DaVinci Single-Width Slate)	35.98	2.01
07 32 33 00-0029	LF	4" Turret Accessory Slate (DaVinci Single-Width Slate)	31.72	2.01
07 32 33 00-0030	EA	12" Solid Accessory Slate (DaVinci Single-Width Slate)	44.60	2.01
07 32 33 00-0031		**DaVinci Multi-Width Slates** *(07 32 33 00-0001)*		
07 32 33 00-0032	SQ	8" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	2,734.93	298.42
07 32 33 00-0033	SQ	7-1/2" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	2,909.24	298.42
07 32 33 00-0034	SQ	7" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	3,119.71	298.42
07 32 33 00-0035	SQ	6" Exposure, 18" Long X 6" To 12" Width, Multi Width Slate Look, 1/2" Thick, Polymer Roofing Tile (DaVinci Multi-Width Slate)	3,632.86	298.42
07 32 33 00-0036	LF	12" x 12" Starter (DaVinci Multi-Width Slate)	25.31	2.01
07 32 33 00-0037	LF	6" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Slate)	35.98	2.01
07 32 33 00-0038	LF	7" Width, Two Piece Hip/Ridge (DaVinci Multi-Width Slate)	37.62	2.01
07 32 33 00-0039	LF	4" Turret Accessory Slate (DaVinci Multi-Width Slate)	31.72	2.01
07 32 33 00-0040	EA	12" Solid Accessory Slate (DaVinci Multi-Width Slate)	44.60	2.01

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001		**Mechanically Fastened, Roofing Underlayment** *(07 34)* Note: Standard slope.		
07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	45.80	9.91
		For Steep Roof, Over 7 To 12, Add	*6.35*	
		For >50 To 75, Deduct	*-1.04*	
		For >75 To 100, Deduct	*-2.31*	
		For >100 To 200, Deduct	*-3.85*	
		For >200, Deduct	*-5.62*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	70.68	13.64
		For Steep Roof, Over 7 To 12, Add	*8.72*	
		For >50 To 75, Deduct	*-1.74*	
		For >75 To 100, Deduct	*-3.72*	
		For >100 To 200, Deduct	*-6.14*	
		For >200, Deduct	*-8.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	78.85	13.64
		For Steep Roof, Over 7 To 12, Add	*8.72*	
		For >50 To 75, Deduct	*-2.06*	
		For >75 To 100, Deduct	*-4.29*	
		For >100 To 200, Deduct	*-7.04*	
		For >200, Deduct	*-9.95*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	87.67	20.65
		For Steep Roof, Over 7 To 12, Add	*13.22*	
		For >50 To 75, Deduct	*-1.85*	
		For >75 To 100, Deduct	*-4.28*	
		For >100 To 200, Deduct	*-7.17*	
		For >200, Deduct	*-10.62*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	97.35	20.65
		For Steep Roof, Over 7 To 12, Add	*13.22*	
		For >50 To 75, Deduct	*-2.24*	
		For >75 To 100, Deduct	*-4.96*	
		For >100 To 200, Deduct	*-8.23*	
		For >200, Deduct	*-11.98*	
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	113.31	20.65
		For Steep Roof, Over 7 To 12, Add	*13.22*	
		For >50 To 75, Deduct	*-2.88*	
		For >75 To 100, Deduct	*-6.07*	
		For >100 To 200, Deduct	*-9.99*	
		For >200, Deduct	*-14.21*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	105.33	20.65
		For Steep Roof, Over 7 To 12, Add	*13.22*	
		For >50 To 75, Deduct	*-2.56*	
		For >75 To 100, Deduct	*-5.51*	
		For >100 To 200, Deduct	*-9.11*	
		For >200, Deduct	*-13.09*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	182.49	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-5.30*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-17.07*	
		For >200, Deduct	*-23.55*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	274.98	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-9.00*	
		For >75 To 100, Deduct	*-17.00*	
		For >100 To 200, Deduct	*-27.24*	
		For >200, Deduct	*-36.49*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	193.93	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-5.75*	
		For >75 To 100, Deduct	*-11.32*	
		For >100 To 200, Deduct	*-18.33*	
		For >200, Deduct	*-25.15*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	182.49	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-5.30*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-17.07*	
		For >200, Deduct	*-23.55*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	261.64	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-8.46*	
		For >75 To 100, Deduct	*-16.06*	
		For >100 To 200, Deduct	*-25.78*	
		For >200, Deduct	*-34.63*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	219.85	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-6.79*	
		For >75 To 100, Deduct	*-13.14*	
		For >100 To 200, Deduct	*-21.18*	
		For >200, Deduct	*-28.78*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	327.54	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-11.10*	
		For >75 To 100, Deduct	*-20.67*	
		For >100 To 200, Deduct	*-33.02*	
		For >200, Deduct	*-43.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	374.71	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-12.99*	
		For >75 To 100, Deduct	*-23.98*	
		For >100 To 200, Deduct	*-38.21*	
		For >200, Deduct	*-50.46*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	551.69	25.06
		For Steep Roof, Over 7 To 12, Add	*16.03*	
		For >50 To 75, Deduct	*-20.06*	
		For >75 To 100, Deduct	*-36.36*	
		For >100 To 200, Deduct	*-57.68*	
		For >200, Deduct	*-75.23*	

07 40 Roofing and Siding Panels *(07)*

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	8.30	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.67	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	7.23	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.79	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.43	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	6.12	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels	5.99	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing	28.44	3.06
		For Steep Roof, Over 7 To 12, Add	*3.96*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.61*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing	17.78	2.01
		For Steep Roof, Over 7 To 12, Add	*2.64*	
		For Fluoropolymer (Kynar®) Coating, Add	*0.95*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing	34.76	3.06
		For Steep Roof, Over 7 To 12, Add	*3.96*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.24*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing	29.02	3.06
		For Steep Roof, Over 7 To 12, Add	*3.96*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.67*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	10.46	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	11.39	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	13.61	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	16.57	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	19.54	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels	23.24	2.94
		For Fluoropolymer (Kynar®) Coating, Add	*1.73*	
		For Steep Roof, Over 7 To 12, Add	*1.51*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing	32.32	3.06
		For Steep Roof, Over 7 To 12, Add	*3.96*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.00*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing	20.01	2.12
		For Steep Roof, Over 7 To 12, Add	*2.64*	
		For Fluoropolymer (Kynar®) Coating, Add	*1.18*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing	40.21	3.06
		For Steep Roof, Over 7 To 12, Add	*3.96*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.78*	
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	33.04	3.06
		For Steep Roof, Over 7 To 12, Add	*3.96*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.07*	

07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*

07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.57	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Panels <16" Wide, Add	*1.83*	
		For Up To 1,500, Add	*3.39*	
		For >1,500 To 5,000, Add	*2.04*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.25	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.78*	
		For Panels <16" Wide, Add	*1.87*	
		For Up To 1,500, Add	*3.56*	
		For >1,500 To 5,000, Add	*2.14*	
		For >5,000 To 10,000, Add	*0.36*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.96	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Panels <16" Wide, Add	*1.80*	
		For Up To 1,500, Add	*3.24*	
		For >1,500 To 5,000, Add	*1.94*	
		For >5,000 To 10,000, Add	*0.32*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.20	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Panels <16" Wide, Add	*1.81*	
		For Up To 1,500, Add	*3.30*	
		For >1,500 To 5,000, Add	*1.98*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.47	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Panels <16" Wide, Add	*1.83*	
		For Up To 1,500, Add	*3.37*	
		For >1,500 To 5,000, Add	*2.02*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.47	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.79*	
		For Panels <16" Wide, Add	*1.88*	
		For Up To 1,500, Add	*3.62*	
		For >1,500 To 5,000, Add	*2.17*	
		For >5,000 To 10,000, Add	*0.36*	

07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing *(07 41 13 00-0030)*

07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.05	3.06
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	18.73	2.12
		For Steep Roof, Over 6 To 12, Add	*2.48*	
		For 140 MPH Wind Load, Add	*1.03*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	37.00	3.06
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.73*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.68	3.06
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.60*	
07 41 13 00-0043		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
		Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.		
07 41 13 00-0044		**Aluminum Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	14.05	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.78*	
		For Panels <16" Wide, Add	*1.86*	
		For Up To 1,500, Add	*3.51*	
		For >1,500 To 5,000, Add	*2.11*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.63	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.79*	
		For Panels <16" Wide, Add	*1.89*	
		For Up To 1,500, Add	*3.66*	
		For >1,500 To 5,000, Add	*2.19*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.71	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.77*	
		For Panels <16" Wide, Add	*1.84*	
		For Up To 1,500, Add	*3.43*	
		For >1,500 To 5,000, Add	*2.06*	
		For >5,000 To 10,000, Add	*0.34*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.79	3.13
		For Steep Roof, Over 6 To 12, Add	*1.87*	
		For 140 MPH Wind Load, Add	*0.80*	
		For Panels <16" Wide, Add	*1.89*	
		For Up To 1,500, Add	*3.70*	
		For >1,500 To 5,000, Add	*2.22*	
		For >5,000 To 10,000, Add	*0.37*	
07 41 13 00-0049		**Accessories For Aluminum Standing Seam Roofing** *(07 41 13 00-0043)*		
07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.31	3.06
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.68*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	21.19	2.12
		For Steep Roof, Over 6 To 12, Add	*2.48*	
		For 140 MPH Wind Load, Add	*1.08*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	42.99	3.06
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.85*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	35.10	3.06
		For Steep Roof, Over 6 To 12, Add	*3.71*	
		For 140 MPH Wind Load, Add	*1.69*	
07 41 13 00-0054		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0029)*		
07 41 13 00-0055		**Stainless Steel Standing Seam Concealed Fastener Roofing** *(07 41 13 00-0054)*		
07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	26.23	3.75
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For 140 MPH Wind Load, Add	*1.27*	
		For Panels <16" Wide, Add	*3.04*	
		For Up To 1,500, Add	*6.56*	
		For >1,500 To 5,000, Add	*3.93*	
		For >5,000 To 10,000, Add	*0.66*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	29.81	3.75
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For 140 MPH Wind Load, Add	*1.35*	
		For Panels <16" Wide, Add	*3.22*	
		For Up To 1,500, Add	*7.45*	
		For >1,500 To 5,000, Add	*4.47*	
		For >5,000 To 10,000, Add	*0.75*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	34.06	3.75
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For 140 MPH Wind Load, Add	*1.43*	
		For Panels <16" Wide, Add	*3.44*	
		For Up To 1,500, Add	*8.52*	
		For >1,500 To 5,000, Add	*5.11*	
		For >5,000 To 10,000, Add	*0.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.51	3.75
		For Steep Roof, Over 6 To 12, Add	*2.81*	
		For 140 MPH Wind Load, Add	*1.54*	
		For Panels <16" Wide, Add	*3.71*	
		For Up To 1,500, Add	*9.88*	
		For >1,500 To 5,000, Add	*5.93*	
		For >5,000 To 10,000, Add	*0.99*	
07 41 13 00-0060		Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*		
07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	79.49	3.42
		For Steep Roof, Over 6 To 12, Add	*4.10*	
		For 140 MPH Wind Load, Add	*2.68*	
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	43.01	2.24
		For Steep Roof, Over 6 To 12, Add	*2.72*	
		For 140 MPH Wind Load, Add	*1.59*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	109.51	3.42
		For Steep Roof, Over 6 To 12, Add	*4.07*	
		For 140 MPH Wind Load, Add	*3.27*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	81.87	3.42
		For Steep Roof, Over 6 To 12, Add	*4.10*	
		For 140 MPH Wind Load, Add	*2.73*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.85	
		For Steep Roof, Over 7 To 12, Add	*0.18*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.11	
		For Steep Roof, Over 7 To 12, Add	*0.18*	
07 41 16		**Insulated Metal Roof Panels** *(07 41)*		
07 41 16 00-0001		Standing Seam Polyurethane Insulated Metal Roof Panels *(07 41 16)*		
07 41 16 00-0002		Standing Seam Polyurethane Insulated Metal Roof Panel *(07 41 16 00-0001)* Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003	SF	2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	28.29	4.78
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0004	SF	2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	31.15	5.16
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0005	SF	3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	33.10	5.62
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0006	SF	4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	34.66	5.93
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0007	SF	5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	36.32	6.25
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 16 00-0008	SF	6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels	37.69	6.56
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	7.54	2.76
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	7.12	2.49
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	7.76	2.76
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	7.31	2.49
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	4.76	2.08
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	6.44	2.08
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	6.93	2.08
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	5.62	2.08
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	8.46	2.22
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	9.77	2.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 42 Wall Panels *(07 40)*

07 42 13 Metal Wall Panels *(07 42)*

07 42 13 19 Insulated Metal Wall Panels *(07 42 13)*

07 42 13 19-0001 Insulated Panels For Sash/Window Replacement *(07 42 13 19)*
Note: Porcelain or polymer finish on aluminum panel with polystyrene core.

07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	41.78	5.71
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	45.08	6.42
		For Non-Insulated Panels, Deduct	*-8.09*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	48.16	7.14
		For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	51.40	7.43
		For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	58.65	8.14
		For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	68.76	9.00
		For Non-Insulated Panels, Deduct	*-12.73*	

07 42 13 23 Metal Composite Material Wall Panels *(07 42 13)*

07 42 13 23-0001 24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)*
Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by MetI-Span Corporation.

07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	24.05	2.71
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	26.95	3.06
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	29.40	3.48
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	32.68	4.60
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*
Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*
Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	27.23	2.03
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	28.88	2.03
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	34.52	2.03
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.41	2.16
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	39.76	2.16
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	24.44	1.67
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	26.66	1.67
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	32.26	1.79
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	31.25	1.79
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	36.88	1.79

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*
Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.88	2.03
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	27.87	2.03
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	32.95	2.03
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	36.07	2.16
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	38.19	2.16
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	23.32	1.67
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	25.31	1.67
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	27.37	1.79
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	32.45	1.79
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	35.54	1.79

07 42 93 Soffit Panels *(07 42)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 93 00-0001		**Aluminum Soffit And Fascia** *(07 42 93)*		
		Note: Excludes J-channel.		
07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.61	2.00
		For 0.015" Thick, Deduct	*-0.10*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.87	2.10
		For 0.015" Thick, Deduct	*-0.19*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.50	2.16
		For 0.015" Thick, Deduct	*-0.23*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	9.32	2.27
		For 0.015" Thick, Deduct	*-0.33*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	11.36	2.48
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	15.04	2.74
		For 0.015" Thick, Deduct	*-0.68*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.78	3.02
		For 0.015" Thick, Deduct	*-0.93*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	22.57	3.32
		For 0.015" Thick, Deduct	*-1.15*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.52	1.95
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	7.11	2.00
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	8.30	2.06
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.57	2.10

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 **Aluminum Coil Stock Cladding** *(07 46 16)*

Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	13.83	4.13
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	14.06	4.13
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	14.44	4.13

07 46 16 00-0005 **Aluminum Siding Panels** *(07 46 16)*

07 46 16 00-0006 **Corrugated Aluminum Siding Panels** *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	10.66	2.36
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	11.20	2.36
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	12.87	2.36
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	16.16	2.36

07 46 16 00-0011 **V- Beam Aluminum Siding Panels** *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	16.02	2.36
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	18.22	2.36
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	23.43	2.36

07 46 16 00-0015 **Box Ribbed Aluminum Siding Panels** *(07 46 16 00-0005)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	16.98	2.36
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	19.10	2.36
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	20.40	2.36

07 46 16 00-0019 **Aluminum Siding Accessories** *(07 46 16)*

07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.37	1.86
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.37	1.86
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	5.10	1.86
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.69	1.86
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.69	1.86

07 46 19 Steel Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 19 00-0001 **Steel Siding Panels** *(07 46 19)*

07 46 19 00-0002 **Corrugated Steel Siding Panels** *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.91	2.36
		For Galvanized Instead Of Painted Steel, Add	*2.05*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.86	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.79*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.59	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.72*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.49	2.36
		For Galvanized Instead Of Painted Steel, Add	*0.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.27	2.36
		For Galvanized Instead Of Painted Steel, Add	*0.89*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.12	2.36
		For Galvanized Instead Of Painted Steel, Add	*0.85*	

07 46 19 00-0009 Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	12.11	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.85*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.64	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.73*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.32	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.65*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.79	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.52*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.67	2.36
		For Galvanized Instead Of Painted Steel, Add	*1.24*	

07 46 19 00-0015 Clapboard Steel Siding Panels *(07 46 19 00-0001)*

Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.

07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.75	1.18

07 46 23 Wood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 23 00-0001 Wood Lap Siding *(07 46 23)*

07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.88	1.92
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.43	2.05
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	6.02	2.18
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	5.18	1.92
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.70	1.92
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.83	1.92
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	7.27	1.92
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.65	1.92
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.96	2.05
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.96	2.05

07 46 23 00-0012 Tongue And Groove Siding *(07 46 23)*

07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.86	1.92
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	5.32	1.92
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.97	1.92
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.60	1.92

07 46 29 Plywood Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 29 00-0001 T-111 Siding *(07 46 29)*

07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.48	1.00
		For Pressure Treated, Add	*0.18*	

07 46 33 Plastic Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 33 00-0001 Vinyl Siding *(07 46 33)*

Note: Includes standard manufacturer's colors.

07 46 33 00-0002 Vinyl Siding Panels *(07 46 33 00-0001)*

Note: Excludes J-channels, starter strips and trim.

07 46 33 00-0003 Horizontal Vinyl Siding Panels *(07 46 33 00-0002)*

Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.

07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.60	2.44
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.32	2.30
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	6.11	2.19
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.88	2.09
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.60	1.93
		For 0.040" Thick, Deduct	*-0.25*	
		For 0.042" Thick, Deduct	*-0.09*	
		For 0.046" Thick, Add	*0.59*	
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	7.92	2.44
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	8.10	1.86
		For Manufacturer's Custom Colors, Add	*0.22*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	14.78	1.86
		For Manufacturer's Custom Colors, Add	*0.55*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	6.43	1.86
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	7.83	1.86
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.77	1.86
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.45	1.86
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	4.39	1.86
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.60	1.86
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	5.46	1.86
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.94	1.86
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	6.65	1.86
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	4.54	1.86
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	10.32	2.58
		For Manufacturer's Custom Colors, Add	*0.26*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	10.79	2.58
		For Manufacturer's Custom Colors, Add	*0.28*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	11.83	2.58
		For Manufacturer's Custom Colors, Add	*0.33*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	6.16	1.86
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	7.63	1.86
		For Manufacturer's Custom Colors, Add	*0.19*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	6.57	1.86
		For Manufacturer's Custom Colors, Add	*0.14*	
07 46 33 00-0030		**Vinyl Soffit And Fascia** *(07 46 33 00-0001)* Note: Excludes J-channel.		
07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.58	2.00
		For 0.038" Thick, Deduct	*-0.72*	
		For 0.040" Thick, Deduct	*-0.59*	
		For Manufacturer's Custom Colors, Add	*0.08*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.83	2.10
		For 0.038" Thick, Deduct	*-1.19*	
		For 0.040" Thick, Deduct	*-1.01*	
		For Manufacturer's Custom Colors, Add	*0.13*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.46	2.16
		For 0.038" Thick, Deduct	*-1.43*	
		For 0.040" Thick, Deduct	*-1.21*	
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.25	2.27
		For 0.038" Thick, Deduct	*-2.15*	
		For 0.040" Thick, Deduct	*-1.80*	
		For Manufacturer's Custom Colors, Add	*0.24*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	11.27	2.48
		For 0.038" Thick, Deduct	*-2.89*	
		For 0.040" Thick, Deduct	*-2.41*	
		For Manufacturer's Custom Colors, Add	*0.31*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	14.91	2.74
		For 0.038" Thick, Deduct	*-4.32*	
		For 0.040" Thick, Deduct	*-3.62*	
		For Manufacturer's Custom Colors, Add	*0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	18.61	3.02
		For 0.038" Thick, Deduct	*-5.77*	
		For 0.040" Thick, Deduct	*-4.85*	
		For Manufacturer's Custom Colors, Add	*0.63*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	22.35	3.32
		For 0.038" Thick, Deduct	*-7.23*	
		For 0.040" Thick, Deduct	*-6.06*	
		For Manufacturer's Custom Colors, Add	*0.79*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.80	1.95
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	6.45	2.00
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	6.38	2.06
		For Manufacturer's Custom Colors, Add	*0.11*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	7.29	2.10
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0043		Fiberglass Siding *(07 46 33)*		
07 46 33 00-0044		Corrugated Panels *(07 46 33 00-0043)*		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	8.64	2.88
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	9.18	2.58
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	10.18	2.58
07 46 33 00-0048		Flat Panels *(07 46 33 00-0043)*		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	8.28	2.58
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	9.18	2.58
07 46 46		**Fiber-Cement Siding** *(07 46)*		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	8.01	3.02
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.61	2.88
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.45	2.81
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.27	2.73
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.95	2.58
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.60	2.44
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.75	0.72
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	11.35	2.65
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.86	2.16
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.84	1.44
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.76	1.58
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.63	1.72
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.29	2.02
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	4.00	1.44
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	5.00	1.58
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	6.03	1.72
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.41	2.02
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	4.20	1.44
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	5.35	1.58
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.55	1.72
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.61	2.02
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	7.25	2.85
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.80	3.17
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	9.57	3.17
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	12.37	3.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	8.36	2.06
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	8.90	2.06

07 46 63 Fabricated Panel Assemblies with Siding *(07 46)*

07 46 63 00-0001 Metal Liner Panels *(07 46 63)*

07 46 63 00-0002 Galvanized Metal Liner Panels *(07 46 63 00-0001)*

07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.76	2.00
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.84	2.00
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.75	2.00
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.94	2.00

07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001 Built-Up Asphalt Roofing Components *(07 51 13)*

07 51 13 00-0002 Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.

07 51 13 00-0003 Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes applying cold adhesive and embedding the membrane.

07 51 13 00-0004 Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*

07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	134.50
		For Up To 10, Add	*35.59*
		For >10 To 20, Add	*19.97*
		For >20 To 40, Add	*11.07*
		For >75 To 100, Deduct	*-5.54*
		For >100 To 200, Deduct	*-12.16*
		For >200, Deduct	*-17.69*
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	371.79
		For Up To 10, Add	*83.05*
		For >10 To 20, Add	*43.70*
		For >20 To 40, Add	*22.93*
		For >75 To 100, Deduct	*-11.47*
		For >100 To 200, Deduct	*-24.02*
		For >200, Deduct	*-35.49*

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	8.90

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	99.03
		For Up To 10, Add	*28.63*
		For >10 To 20, Add	*16.52*
		For >20 To 40, Add	*9.36*
		For >75 To 100, Deduct	*-4.68*
		For >100 To 200, Deduct	*-10.47*
		For >200, Deduct	*-15.15*
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	105.79
		For Up To 10, Add	*29.98*
		For >10 To 20, Add	*17.20*
		For >20 To 40, Add	*9.70*
		For >75 To 100, Deduct	*-4.85*
		For >100 To 200, Deduct	*-10.80*
		For >200, Deduct	*-15.66*
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	113.48
		For Up To 10, Add	*31.52*
		For >10 To 20, Add	*17.97*
		For >20 To 40, Add	*10.09*
		For >75 To 100, Deduct	*-5.04*
		For >100 To 200, Deduct	*-11.19*
		For >200, Deduct	*-16.23*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	198.75	
		For Up To 10, Add	*48.57*	
		For >10 To 20, Add	*26.49*	
		For >20 To 40, Add	*14.35*	
		For >75 To 100, Deduct	*-7.17*	
		For >100 To 200, Deduct	*-15.45*	
		For >200, Deduct	*-22.63*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	336.33	
		For Up To 10, Add	*76.09*	
		For >10 To 20, Add	*40.25*	
		For >20 To 40, Add	*21.23*	
		For >75 To 100, Deduct	*-10.61*	
		For >100 To 200, Deduct	*-22.33*	
		For >200, Deduct	*-32.95*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	254.97	
		For Up To 10, Add	*60.66*	
		For >10 To 20, Add	*32.75*	
		For >20 To 40, Add	*17.58*	
		For >75 To 100, Deduct	*-8.79*	
		For >100 To 200, Deduct	*-18.79*	
		For >200, Deduct	*-27.58*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	5.67	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	104.16	
		For Up To 10, Add	*25.17*	
		For >10 To 20, Add	*13.67*	
		For >20 To 40, Add	*7.38*	
		For >75 To 100, Deduct	*-3.69*	
		For >100 To 200, Deduct	*-7.92*	
		For >200, Deduct	*-11.61*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	197.11	
		For Up To 10, Add	*43.76*	
		For >10 To 20, Add	*22.97*	
		For >20 To 40, Add	*12.03*	
		For >75 To 100, Deduct	*-6.01*	
		For >100 To 200, Deduct	*-12.57*	
		For >200, Deduct	*-18.58*	
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	334.69	
		For Up To 10, Add	*71.28*	
		For >10 To 20, Add	*36.73*	
		For >20 To 40, Add	*18.91*	
		For >75 To 100, Deduct	*-9.45*	
		For >100 To 200, Deduct	*-19.45*	
		For >200, Deduct	*-28.90*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	6.86	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	130.26	
		For Up To 10, Add	*34.74*	
		For >10 To 20, Add	*19.54*	
		For >20 To 40, Add	*10.86*	
		For >75 To 100, Deduct	*-5.43*	
		For >100 To 200, Deduct	*-11.94*	
		For >200, Deduct	*-17.37*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	147.71	
		For Up To 10, Add	*38.23*	
		For >10 To 20, Add	*21.29*	
		For >20 To 40, Add	*11.73*	
		For >75 To 100, Deduct	*-5.87*	
		For >100 To 200, Deduct	*-12.82*	
		For >200, Deduct	*-18.68*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	94.80	
		For Up To 10, Add	*27.78*	
		For >10 To 20, Add	*16.10*	
		For >20 To 40, Add	*9.15*	
		For >75 To 100, Deduct	*-4.58*	
		For >100 To 200, Deduct	*-10.26*	
		For >200, Deduct	*-14.83*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	112.25	
		For Up To 10, Add	*31.27*	
		For >10 To 20, Add	*17.84*	
		For >20 To 40, Add	*10.02*	
		For >75 To 100, Deduct	*-5.01*	
		For >100 To 200, Deduct	*-11.13*	
		For >200, Deduct	*-16.14*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	47.68	
		For Up To 10, Add	*13.88*	
		For >10 To 20, Add	*8.02*	
		For >20 To 40, Add	*4.56*	
		For >75 To 100, Deduct	*-2.28*	
		For >100 To 200, Deduct	*-5.10*	
		For >200, Deduct	*-7.38*	
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	65.13	
		For Up To 10, Add	*17.37*	
		For >10 To 20, Add	*9.77*	
		For >20 To 40, Add	*5.43*	
		For >75 To 100, Deduct	*-2.71*	
		For >100 To 200, Deduct	*-5.97*	
		For >200, Deduct	*-8.68*	

07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	208.99	
		For Up To 10, Add	*63.53*	
		For >10 To 20, Add	*37.20*	
		For >20 To 40, Add	*21.31*	
		For >75 To 100, Deduct	*-10.66*	
		For >100 To 200, Deduct	*-24.03*	
		For >200, Deduct	*-34.69*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	311.66	
		For Up To 10, Add	*84.06*	
		For >10 To 20, Add	*47.46*	
		For >20 To 40, Add	*26.45*	
		For >75 To 100, Deduct	*-13.22*	
		For >100 To 200, Deduct	*-29.16*	
		For >200, Deduct	*-42.39*	
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	211.15	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	57.18	
		For Up To 10, Add	*14.30*	
		For >10 To 20, Add	*7.87*	
		For >20 To 40, Add	*4.29*	
		For >75 To 100, Deduct	*-2.15*	
		For >100 To 200, Deduct	*-4.65*	
		For >200, Deduct	*-6.80*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	152.33	
		For Up To 10, Add	*35.68*	
		For >10 To 20, Add	*19.15*	
		For >20 To 40, Add	*10.22*	
		For >75 To 100, Deduct	*-5.11*	
		For >100 To 200, Deduct	*-10.88*	
		For >200, Deduct	*-15.99*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	135.35	
		For Up To 10, Add	*32.29*	
		For >10 To 20, Add	*17.45*	
		For >20 To 40, Add	*9.38*	
		For >75 To 100, Deduct	*-4.69*	
		For >100 To 200, Deduct	*-10.03*	
		For >200, Deduct	*-14.72*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	181.69	
		For Up To 10, Add	*41.55*	
		For >10 To 20, Add	*22.08*	
		For >20 To 40, Add	*11.69*	
		For >75 To 100, Deduct	*-5.85*	
		For >100 To 200, Deduct	*-12.34*	
		For >200, Deduct	*-18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	183.20	
		For Up To 10, Add	*41.86*	
		For >10 To 20, Add	*22.23*	
		For >20 To 40, Add	*11.77*	
		For >75 To 100, Deduct	*-5.88*	
		For >100 To 200, Deduct	*-12.42*	
		For >200, Deduct	*-18.30*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*54.46*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	189.44	
		For Up To 10, Add	*43.10*	
		For >10 To 20, Add	*22.86*	
		For >20 To 40, Add	*12.08*	
		For >75 To 100, Deduct	*-6.04*	
		For >100 To 200, Deduct	*-12.73*	
		For >200, Deduct	*-18.77*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*56.52*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	3.01	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.94	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	45.58	
07 51 13 00-0049		**Walkway Pads** *(07 51 13 00-0001)* Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	38.18	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	45.49	
07 51 13 00-0052		**Cant And Tapered Edge Strips** *(07 51 13 00-0001)*		
07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	5.25	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	5.42	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	6.21	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.94	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	5.07	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	5.86	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	6.78	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	7.03	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	7.98	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	7.89	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	9.62	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	10.87	
07 51 13 00-0065		**Asphalt Primer** *(07 51 13 00-0001)*		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	42.48	
07 51 13 00-0067		**Demolish Built-Up Roofing** *(07 51 13 00-0001)* Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	456.34	
		For Up To 10, Add	*113.34*	
		For >10 To 25, Add	*68.00*	
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.	352.03	
		For Up To 10, Add	*87.43*	
		For >10 To 25, Add	*52.46*	
07 51 13 00-0070		**Roofing System Warranty** *(07 51 13 00-0001)* Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	670.32	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.58	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	766.08	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	15.32	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,053.36	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	21.07	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0077		**Built-Up Roofing Components (Tremco)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078		**Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	154.93	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	187.70	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	215.85	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	49.28	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	71.24	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	294.47	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	272.43	
07 51 13 00-0086		**Hot Or Cold Applied Modified Bitumen Cap Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	167.44	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	441.68	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	729.88	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	195.86	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	299.72	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	724.61	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	527.94	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	522.27	
07 51 13 00-0095		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	303.42	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	602.07	
07 51 13 00-0098		**Flashings** *(07 51 13 00-0077)*		
07 51 13 00-0099	LF	11-1/2" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	19.10	
07 51 13 00-0100	LF	19" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	31.05	
07 51 13 00-0101	LF	25" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	41.23	
07 51 13 00-0102	LF	38" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	60.46	
07 51 13 00-0103	LF	60-1/2" Chlorosulfonated Polyethylene-Hypalon (CSPE) Elastomeric Flashing Note: 45 mils.	99.62	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	15.20	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	24.81	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	33.04	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	48.28	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	81.28	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.39	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	4.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	6.42	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	16.61	
07 51 13 00-0113		**Cold Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	189.94	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	312.98	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	241.44	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	189.94	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	97.13	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	214.75	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	211.95	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	586.58	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	324.01	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	365.22	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	69.70	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	127.71	
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	23.78	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	31.15	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	19.35	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	7.40	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	7.59	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	7.44	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	282.25	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	632.04	
07 51 13 00-0137	SQ	Polar Coat	163.65	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	200.04	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	577.94	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	264.06	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	74.39	
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	37.23	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	43.06	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	93.62	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Horizontal Waterproofing (Trem-LAR LRM H) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	480.89	
07 51 13 00-0149	SQ	Vertical Waterproofing (Trem-LAR LRM V) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	490.24	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	628.17	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	816.18	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	477.44	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	91.78	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	94.01	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	100.91	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	74.85	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	67.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0158		Atactic-Polypropylene (APP) Products *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	248.28	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	469.06	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	375.92	
07 51 13 00-0162		Tri-Polymer Alloy (TPA) White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	660.60	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	902.98	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	1,024.58	
07 51 13 00-0166		Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	757.96	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	927.91	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,133.46	
07 51 13 00-0170		Tri-Polymer Alloy (TPA) Membrane Accessories *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	135.85	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	154.26	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	22.75	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	79.34	
07 51 13 00-0175		Thermoplastic Polyolefin (TPO) Polyester White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	357.85	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	361.70	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	640.90	
07 51 13 00-0179		Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	414.23	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	465.43	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	674.26	
07 51 13 00-0183		Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,101.44	
07 51 13 00-0185		Single Ply Adhesives *(07 51 13 00-0077)*		
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	180.48	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	203.49	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	177.15	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	119.12	
07 51 13 00-0190		Warranty (Tremco) *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		Built-Up Roofing Components (Garland) *(07 51 13)*		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		Modified Cap Membranes *(07 51 13 00-0195)*		
		See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		Modified Cap Membranes, Hot/Cold Applied *(07 51 13 00-0196)*		
		Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	767.26	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	549.32	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	679.78	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	706.33	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	982.85	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,104.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	463.96	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	586.04	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	358.95	
07 51 13 00-0207		**Modified Cap Membranes, Self-Adhering** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	694.61	
07 51 13 00-0209		**Modified Cap Membranes, Torch-Applied** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	854.75	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	929.74	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	979.73	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	895.37	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	948.49	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	995.36	
07 51 13 00-0216		**Modified Cap Membranes, Coal Tar Pitch Systems** *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	786.69	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,245.30	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	1,014.10	
07 51 13 00-0220		**Base Ply** *(07 51 13 00-0195)* Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	701.64	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	441.53	
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	101.54	
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil Note: Inner ply felts for hot applied built up and modified BUR systems.	67.48	
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	81.99	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	89.02	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	137.58	
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	446.13	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil Note: Self adhering base ply for self adhering 2 ply system.	386.08	
07 51 13 00-0230	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	391.32	
07 51 13 00-0231	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	324.93	
07 51 13 00-0232	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	6.25	
07 51 13 00-0233	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	16.87	
07 51 13 00-0234	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	78.48	
07 51 13 00-0235	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	8.13	
07 51 13 00-0236	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.94	
07 51 13 00-0237	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.85	
07 51 13 00-0238	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	170.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0239		Coatings And Mastics For Roof Installation, Restoration And Repairs *(07 51 13 00-0195)*		
07 51 13 00-0240	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	50.62	
07 51 13 00-0241	SQ	Black-Knight® Primer	46.95	
07 51 13 00-0242	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	188.49	
07 51 13 00-0243	SQ	4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	200.52	
07 51 13 00-0244	SQ	6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	319.21	
07 51 13 00-0245	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	510.00	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	526.03	
07 51 13 00-0247	SQ	3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	246.54	
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	407.33	
07 51 13 00-0249	SQ	3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	625.11	
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,038.47	
07 51 13 00-0251	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	435.73	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	451.76	
07 51 13 00-0253	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	952.83	
07 51 13 00-0254	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	413.88	
07 51 13 00-0255	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	203.53	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	219.56	
07 51 13 00-0257	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	191.22	
07 51 13 00-0258	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	178.81	
07 51 13 00-0259	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products	23.60	
		Note: Adheres all insulation layers for cold systems.		
07 51 13 00-0260	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	213.67	
07 51 13 00-0261	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	207.17	
07 51 13 00-0262	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	27.32	
07 51 13 00-0263	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	276.18	
07 51 13 00-0264	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,596.95	
07 51 13 00-0265	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	354.11	
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	431.28	
07 51 13 00-0267	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	161.57	
07 51 13 00-0268	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	548.45	
07 51 13 00-0269	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply	160.38	
		Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.		

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	248.24	
		For Up To 10, Add	*58.34*	
		For >10 To 20, Add	*31.34*	
		For >20 To 40, Add	*16.76*	
		For >75 To 100, Deduct	*-8.38*	
		For >100 To 200, Deduct	*-17.84*	
		For >200, Deduct	*-26.22*	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	302.42	
		For Up To 10, Add	*69.17*	
		For >10 To 20, Add	*36.76*	
		For >20 To 40, Add	*19.47*	
		For >75 To 100, Deduct	*-9.73*	
		For >100 To 200, Deduct	*-20.55*	
		For >200, Deduct	*-30.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	475.42	
		For Up To 10, Add	*103.77*	
		For >10 To 20, Add	*54.06*	
		For >20 To 40, Add	*28.12*	
		For >75 To 100, Deduct	*-14.06*	
		For >100 To 200, Deduct	*-29.20*	
		For >200, Deduct	*-43.26*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	479.56	
		For Up To 10, Add	*105.43*	
		For >10 To 20, Add	*55.09*	
		For >20 To 40, Add	*28.74*	
		For >75 To 100, Deduct	*-14.37*	
		For >100 To 200, Deduct	*-29.93*	
		For >200, Deduct	*-44.30*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	342.93	
		For Up To 10, Add	*78.10*	
		For >10 To 20, Add	*41.43*	
		For >20 To 40, Add	*21.91*	
		For >75 To 100, Deduct	*-10.95*	
		For >100 To 200, Deduct	*-23.10*	
		For >200, Deduct	*-34.05*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	397.73	
		For Up To 10, Add	*89.06*	
		For >10 To 20, Add	*46.91*	
		For >20 To 40, Add	*24.65*	
		For >75 To 100, Deduct	*-12.32*	
		For >100 To 200, Deduct	*-25.84*	
		For >200, Deduct	*-38.16*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	547.04	
		For Up To 10, Add	*118.93*	
		For >10 To 20, Add	*61.84*	
		For >20 To 40, Add	*32.11*	
		For >75 To 100, Deduct	*-16.06*	
		For >100 To 200, Deduct	*-33.30*	
		For >200, Deduct	*-49.36*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	6.89	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	10.61	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*

07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	178.83	
		For Up To 10, Add	*44.45*	
		For >10 To 20, Add	*24.39*	
		For >20 To 40, Add	*13.28*	
		For >75 To 100, Deduct	*-6.64*	
		For >100 To 200, Deduct	*-14.37*	
		For >200, Deduct	*-21.01*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	233.02	
		For Up To 10, Add	*55.29*	
		For >10 To 20, Add	*29.81*	
		For >20 To 40, Add	*15.99*	
		For >75 To 100, Deduct	*-8.00*	
		For >100 To 200, Deduct	*-17.08*	
		For >200, Deduct	*-25.07*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	280.24	
		For Up To 10, Add	*69.09*	
		For >10 To 20, Add	*37.80*	
		For >20 To 40, Add	*20.53*	
		For >75 To 100, Deduct	*-10.27*	
		For >100 To 200, Deduct	*-22.16*	
		For >200, Deduct	*-32.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	294.12	
		For Up To 10, Add	*71.86*	
		For >10 To 20, Add	*39.19*	
		For >20 To 40, Add	*21.23*	
		For >75 To 100, Deduct	*-10.61*	
		For >100 To 200, Deduct	*-22.86*	
		For >200, Deduct	*-33.47*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	406.66	
		For Up To 10, Add	*94.37*	
		For >10 To 20, Add	*50.45*	
		For >20 To 40, Add	*26.85*	
		For >75 To 100, Deduct	*-13.43*	
		For >100 To 200, Deduct	*-28.48*	
		For >200, Deduct	*-41.91*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	280.24	
		For Up To 10, Add	*69.09*	
		For >10 To 20, Add	*37.80*	
		For >20 To 40, Add	*20.53*	
		For >75 To 100, Deduct	*-10.27*	
		For >100 To 200, Deduct	*-22.16*	
		For >200, Deduct	*-32.43*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	297.58	
		For Up To 10, Add	*72.56*	
		For >10 To 20, Add	*39.54*	
		For >20 To 40, Add	*21.40*	
		For >75 To 100, Deduct	*-10.70*	
		For >100 To 200, Deduct	*-23.03*	
		For >200, Deduct	*-33.73*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	406.66	
		For Up To 10, Add	*94.37*	
		For >10 To 20, Add	*50.45*	
		For >20 To 40, Add	*26.85*	
		For >75 To 100, Deduct	*-13.43*	
		For >100 To 200, Deduct	*-28.48*	
		For >200, Deduct	*-41.91*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	291.17	
		For Up To 10, Add	*71.27*	
		For >10 To 20, Add	*38.90*	
		For >20 To 40, Add	*21.08*	
		For >75 To 100, Deduct	*-10.54*	
		For >100 To 200, Deduct	*-22.71*	
		For >200, Deduct	*-33.25*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	307.99	
		For Up To 10, Add	*74.64*	
		For >10 To 20, Add	*40.58*	
		For >20 To 40, Add	*21.92*	
		For >75 To 100, Deduct	*-10.96*	
		For >100 To 200, Deduct	*-23.55*	
		For >200, Deduct	*-34.51*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	349.26	
		For Up To 10, Add	*82.89*	
		For >10 To 20, Add	*44.71*	
		For >20 To 40, Add	*23.98*	
		For >75 To 100, Deduct	*-11.99*	
		For >100 To 200, Deduct	*-25.61*	
		For >200, Deduct	*-37.60*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	354.29	
		For Up To 10, Add	*83.90*	
		For >10 To 20, Add	*45.21*	
		For >20 To 40, Add	*24.23*	
		For >75 To 100, Deduct	*-12.12*	
		For >100 To 200, Deduct	*-25.86*	
		For >200, Deduct	*-37.98*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	495.28	
		For Up To 10, Add	*112.10*	
		For >10 To 20, Add	*59.31*	
		For >20 To 40, Add	*31.28*	
		For >75 To 100, Deduct	*-15.64*	
		For >100 To 200, Deduct	*-32.91*	
		For >200, Deduct	*-48.56*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.10	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.27	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.36	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.38	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.84	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	6.25	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	265.32	
		For Up To 10, Add	*57.41*	
		For >10 To 20, Add	*29.79*	
		For >20 To 40, Add	*15.44*	
		For >75 To 100, Deduct	*-7.72*	
		For >100 To 200, Deduct	*-15.98*	
		For >200, Deduct	*-23.70*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	195.19	
		For Up To 10, Add	*47.73*	
		For >10 To 20, Add	*26.04*	
		For >20 To 40, Add	*14.10*	
		For >75 To 100, Deduct	*-7.05*	
		For >100 To 200, Deduct	*-15.19*	
		For >200, Deduct	*-22.24*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	255.35	
		For Up To 10, Add	*59.76*	
		For >10 To 20, Add	*32.05*	
		For >20 To 40, Add	*17.11*	
		For >75 To 100, Deduct	*-8.56*	
		For >100 To 200, Deduct	*-18.20*	
		For >200, Deduct	*-26.76*	
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	263.12	
		For Up To 10, Add	*61.31*	
		For >10 To 20, Add	*32.83*	
		For >20 To 40, Add	*17.50*	
		For >75 To 100, Deduct	*-8.75*	
		For >100 To 200, Deduct	*-18.59*	
		For >200, Deduct	*-27.34*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	359.08	
		For Up To 10, Add	*80.51*	
		For >10 To 20, Add	*42.43*	
		For >20 To 40, Add	*22.30*	
		For >75 To 100, Deduct	*-11.15*	
		For >100 To 200, Deduct	*-23.39*	
		For >200, Deduct	*-34.53*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	456.19	
		For Up To 10, Add	*99.93*	
		For >10 To 20, Add	*52.14*	
		For >20 To 40, Add	*27.15*	
		For >75 To 100, Deduct	*-13.58*	
		For >100 To 200, Deduct	*-28.24*	
		For >200, Deduct	*-41.82*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	379.83	
		For Up To 10, Add	*85.48*	
		For >10 To 20, Add	*45.12*	
		For >20 To 40, Add	*23.75*	
		For >75 To 100, Deduct	*-11.88*	
		For >100 To 200, Deduct	*-24.94*	
		For >200, Deduct	*-36.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	390.27	
		For Up To 10, Add	*87.57*	
		For >10 To 20, Add	*46.17*	
		For >20 To 40, Add	*24.27*	
		For >75 To 100, Deduct	*-12.14*	
		For >100 To 200, Deduct	*-25.46*	
		For >200, Deduct	*-37.60*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	341.36	
		For Up To 10, Add	*77.79*	
		For >10 To 20, Add	*41.27*	
		For >20 To 40, Add	*21.83*	
		For >75 To 100, Deduct	*-10.91*	
		For >100 To 200, Deduct	*-23.02*	
		For >200, Deduct	*-33.93*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	345.87	
		For Up To 10, Add	*78.69*	
		For >10 To 20, Add	*41.73*	
		For >20 To 40, Add	*22.05*	
		For >75 To 100, Deduct	*-11.03*	
		For >100 To 200, Deduct	*-23.24*	
		For >200, Deduct	*-34.27*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	387.49	
		For Up To 10, Add	*87.02*	
		For >10 To 20, Add	*45.89*	
		For >20 To 40, Add	*24.13*	
		For >75 To 100, Deduct	*-12.07*	
		For >100 To 200, Deduct	*-25.32*	
		For >200, Deduct	*-37.39*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	394.43	
		For Up To 10, Add	*88.40*	
		For >10 To 20, Add	*46.58*	
		For >20 To 40, Add	*24.48*	
		For >75 To 100, Deduct	*-12.24*	
		For >100 To 200, Deduct	*-25.67*	
		For >200, Deduct	*-37.91*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	455.13	
		For Up To 10, Add	*100.54*	
		For >10 To 20, Add	*52.65*	
		For >20 To 40, Add	*27.52*	
		For >75 To 100, Deduct	*-13.76*	
		For >100 To 200, Deduct	*-28.71*	
		For >200, Deduct	*-42.46*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	565.70	
		For Up To 10, Add	*122.66*	
		For >10 To 20, Add	*63.71*	
		For >20 To 40, Add	*33.04*	
		For >75 To 100, Deduct	*-16.52*	
		For >100 To 200, Deduct	*-34.23*	
		For >200, Deduct	*-50.76*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	348.89	
		For Up To 10, Add	*79.30*	
		For >10 To 20, Add	*42.03*	
		For >20 To 40, Add	*22.20*	
		For >75 To 100, Deduct	*-11.10*	
		For >100 To 200, Deduct	*-23.39*	
		For >200, Deduct	*-34.50*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	359.75	
		For Up To 10, Add	*81.47*	
		For >10 To 20, Add	*43.11*	
		For >20 To 40, Add	*22.75*	
		For >75 To 100, Deduct	*-11.37*	
		For >100 To 200, Deduct	*-23.94*	
		For >200, Deduct	*-35.31*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	418.71	
		For Up To 10, Add	*93.26*	
		For >10 To 20, Add	*49.01*	
		For >20 To 40, Add	*25.69*	
		For >75 To 100, Deduct	*-12.85*	
		For >100 To 200, Deduct	*-26.88*	
		For >200, Deduct	*-39.73*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	420.10	
		For Up To 10, Add	*93.54*	
		For >10 To 20, Add	*49.15*	
		For >20 To 40, Add	*25.76*	
		For >75 To 100, Deduct	*-12.88*	
		For >100 To 200, Deduct	*-26.95*	
		For >200, Deduct	*-39.84*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	446.46	
		For Up To 10, Add	*98.81*	
		For >10 To 20, Add	*51.78*	
		For >20 To 40, Add	*27.08*	
		For >75 To 100, Deduct	*-13.54*	
		For >100 To 200, Deduct	*-28.27*	
		For >200, Deduct	*-41.81*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.00	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.51	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.55	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.04	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.65	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.75	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.58	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.69	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.30	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.56	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	8.72	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	16.51	

07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)*

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*

07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	159.73	
		For Up To 10, Add	*40.77*	
		For >10 To 20, Add	*22.59*	
		For >20 To 40, Add	*12.40*	
		For >75 To 100, Deduct	*-6.20*	
		For >100 To 200, Deduct	*-13.50*	
		For >200, Deduct	*-19.70*	
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	219.89	
		For Up To 10, Add	*52.80*	
		For >10 To 20, Add	*28.61*	
		For >20 To 40, Add	*15.41*	
		For >75 To 100, Deduct	*-7.70*	
		For >100 To 200, Deduct	*-16.51*	
		For >200, Deduct	*-24.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	227.65	
		For Up To 10, Add	*54.35*	
		For >10 To 20, Add	*29.38*	
		For >20 To 40, Add	*15.79*	
		For >75 To 100, Deduct	*-7.90*	
		For >100 To 200, Deduct	*-16.90*	
		For >200, Deduct	*-24.79*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	323.61	
		For Up To 10, Add	*73.55*	
		For >10 To 20, Add	*38.98*	
		For >20 To 40, Add	*20.59*	
		For >75 To 100, Deduct	*-10.30*	
		For >100 To 200, Deduct	*-21.70*	
		For >200, Deduct	*-31.99*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	420.73	
		For Up To 10, Add	*92.97*	
		For >10 To 20, Add	*48.69*	
		For >20 To 40, Add	*25.45*	
		For >75 To 100, Deduct	*-12.72*	
		For >100 To 200, Deduct	*-26.55*	
		For >200, Deduct	*-39.28*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	344.42	
		For Up To 10, Add	*78.55*	
		For >10 To 20, Add	*41.69*	
		For >20 To 40, Add	*22.05*	
		For >75 To 100, Deduct	*-11.03*	
		For >100 To 200, Deduct	*-23.26*	
		For >200, Deduct	*-34.29*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	354.86	
		For Up To 10, Add	*80.64*	
		For >10 To 20, Add	*42.73*	
		For >20 To 40, Add	*22.58*	
		For >75 To 100, Deduct	*-11.29*	
		For >100 To 200, Deduct	*-23.78*	
		For >200, Deduct	*-35.07*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	305.96	
		For Up To 10, Add	*70.86*	
		For >10 To 20, Add	*37.84*	
		For >20 To 40, Add	*20.13*	
		For >75 To 100, Deduct	*-10.07*	
		For >100 To 200, Deduct	*-21.34*	
		For >200, Deduct	*-31.40*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	310.47	
		For Up To 10, Add	*71.76*	
		For >10 To 20, Add	*38.30*	
		For >20 To 40, Add	*20.36*	
		For >75 To 100, Deduct	*-10.18*	
		For >100 To 200, Deduct	*-21.56*	
		For >200, Deduct	*-31.74*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	352.09	
		For Up To 10, Add	*80.08*	
		For >10 To 20, Add	*42.46*	
		For >20 To 40, Add	*22.44*	
		For >75 To 100, Deduct	*-11.22*	
		For >100 To 200, Deduct	*-23.64*	
		For >200, Deduct	*-34.86*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	359.03	
		For Up To 10, Add	*81.47*	
		For >10 To 20, Add	*43.15*	
		For >20 To 40, Add	*22.78*	
		For >75 To 100, Deduct	*-11.39*	
		For >100 To 200, Deduct	*-23.99*	
		For >200, Deduct	*-35.38*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	419.72	
		For Up To 10, Add	*93.61*	
		For >10 To 20, Add	*49.22*	
		For >20 To 40, Add	*25.82*	
		For >75 To 100, Deduct	*-12.91*	
		For >100 To 200, Deduct	*-27.03*	
		For >200, Deduct	*-39.94*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	530.30	
		For Up To 10, Add	*115.72*	
		For >10 To 20, Add	*60.28*	
		For >20 To 40, Add	*31.35*	
		For >75 To 100, Deduct	*-15.67*	
		For >100 To 200, Deduct	*-32.56*	
		For >200, Deduct	*-48.23*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	313.49	
		For Up To 10, Add	*72.36*	
		For >10 To 20, Add	*38.60*	
		For >20 To 40, Add	*20.51*	
		For >75 To 100, Deduct	*-10.25*	
		For >100 To 200, Deduct	*-21.71*	
		For >200, Deduct	*-31.97*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	324.34	
		For Up To 10, Add	*74.53*	
		For >10 To 20, Add	*39.68*	
		For >20 To 40, Add	*21.05*	
		For >75 To 100, Deduct	*-10.52*	
		For >100 To 200, Deduct	*-22.26*	
		For >200, Deduct	*-32.78*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	383.31	
		For Up To 10, Add	*86.33*	
		For >10 To 20, Add	*45.58*	
		For >20 To 40, Add	*24.00*	
		For >75 To 100, Deduct	*-12.00*	
		For >100 To 200, Deduct	*-25.21*	
		For >200, Deduct	*-37.20*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	384.69	
		For Up To 10, Add	*86.60*	
		For >10 To 20, Add	*45.72*	
		For >20 To 40, Add	*24.07*	
		For >75 To 100, Deduct	*-12.03*	
		For >100 To 200, Deduct	*-25.27*	
		For >200, Deduct	*-37.31*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	411.05	
		For Up To 10, Add	*91.87*	
		For >10 To 20, Add	*48.35*	
		For >20 To 40, Add	*25.38*	
		For >75 To 100, Deduct	*-12.69*	
		For >100 To 200, Deduct	*-26.59*	
		For >200, Deduct	*-39.28*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.82	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.33	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.37	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.79	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.86	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.47	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.57	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.40	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.51	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.01	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.38	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	8.54	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	16.33	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0002		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*		
07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	328.80	
		For Up To 10, Add	*78.80*	
		For >10 To 20, Add	*42.66*	
		For >20 To 40, Add	*22.96*	
		For >75 To 100, Deduct	*-11.48*	
		For >100 To 200, Deduct	*-24.59*	
		For >200, Deduct	*-36.07*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	295.16	
		For Up To 10, Add	*72.07*	
		For >10 To 20, Add	*39.30*	
		For >20 To 40, Add	*21.28*	
		For >75 To 100, Deduct	*-10.64*	
		For >100 To 200, Deduct	*-22.91*	
		For >200, Deduct	*-33.55*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	334.70	
		For Up To 10, Add	*79.98*	
		For >10 To 20, Add	*43.25*	
		For >20 To 40, Add	*23.26*	
		For >75 To 100, Deduct	*-11.63*	
		For >100 To 200, Deduct	*-24.89*	
		For >200, Deduct	*-36.51*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	513.94	
		For Up To 10, Add	*115.83*	
		For >10 To 20, Add	*61.17*	
		For >20 To 40, Add	*32.22*	
		For >75 To 100, Deduct	*-16.11*	
		For >100 To 200, Deduct	*-33.85*	
		For >200, Deduct	*-49.96*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	306.46	
		For Up To 10, Add	*74.33*	
		For >10 To 20, Add	*40.43*	
		For >20 To 40, Add	*21.84*	
		For >75 To 100, Deduct	*-10.92*	
		For >100 To 200, Deduct	*-23.47*	
		For >200, Deduct	*-34.39*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	353.08	
		For Up To 10, Add	*83.66*	
		For >10 To 20, Add	*45.09*	
		For >20 To 40, Add	*24.17*	
		For >75 To 100, Deduct	*-12.09*	
		For >100 To 200, Deduct	*-25.80*	
		For >200, Deduct	*-37.89*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	367.95	
		For Up To 10, Add	*86.83*	
		For >10 To 20, Add	*46.73*	
		For >20 To 40, Add	*25.02*	
		For >75 To 100, Deduct	*-12.51*	
		For >100 To 200, Deduct	*-26.67*	
		For >200, Deduct	*-39.18*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	476.76	
		For Up To 10, Add	*108.59*	
		For >10 To 20, Add	*57.61*	
		For >20 To 40, Add	*30.46*	
		For >75 To 100, Deduct	*-15.23*	
		For >100 To 200, Deduct	*-32.11*	
		For >200, Deduct	*-47.34*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 13-0011		Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*		
07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.68	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.66	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.44	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.87	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.97	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.07	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	6.30	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	15.20	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	205.55	
		For Up To 10, Add	*45.45*	
		For >10 To 20, Add	*23.81*	
		For >20 To 40, Add	*12.45*	
		For >75 To 100, Deduct	*-6.22*	
		For >100 To 200, Deduct	*-12.99*	
		For >200, Deduct	*-19.22*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	158.09	
		For Up To 10, Add	*35.96*	
		For >10 To 20, Add	*19.07*	
		For >20 To 40, Add	*10.08*	
		For >75 To 100, Deduct	*-5.04*	
		For >100 To 200, Deduct	*-10.62*	
		For >200, Deduct	*-15.66*	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	204.81	
		For Up To 10, Add	*45.30*	
		For >10 To 20, Add	*23.74*	
		For >20 To 40, Add	*12.41*	
		For >75 To 100, Deduct	*-6.21*	
		For >100 To 200, Deduct	*-12.95*	
		For >200, Deduct	*-19.16*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	256.42	
		For Up To 10, Add	*55.63*	
		For >10 To 20, Add	*28.90*	
		For >20 To 40, Add	*14.99*	
		For >75 To 100, Deduct	*-7.50*	
		For >100 To 200, Deduct	*-15.53*	
		For >200, Deduct	*-23.03*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	321.97	
		For Up To 10, Add	*68.74*	
		For >10 To 20, Add	*35.45*	
		For >20 To 40, Add	*18.27*	
		For >75 To 100, Deduct	*-9.13*	
		For >100 To 200, Deduct	*-18.81*	
		For >200, Deduct	*-27.95*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	4.04	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	4.14	

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	164.70	
		For Up To 10, Add	*38.16*	
		For >10 To 20, Add	*20.38*	
		For >20 To 40, Add	*10.84*	
		For >75 To 100, Deduct	*-5.42*	
		For >100 To 200, Deduct	*-11.50*	
		For >200, Deduct	*-16.92*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	174.53	
		For Up To 10, Add	*40.12*	
		For >10 To 20, Add	*21.37*	
		For >20 To 40, Add	*11.33*	
		For >75 To 100, Deduct	*-5.67*	
		For >100 To 200, Deduct	*-11.99*	
		For >200, Deduct	*-17.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	294.68	
		For Up To 10, Add	*64.54*	
		For >10 To 20, Add	*33.67*	
		For >20 To 40, Add	*17.54*	
		For >75 To 100, Deduct	*-8.77*	
		For >100 To 200, Deduct	*-18.24*	
		For >200, Deduct	*-27.01*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	352.33	
		For Up To 10, Add	*76.07*	
		For >10 To 20, Add	*39.44*	
		For >20 To 40, Add	*20.42*	
		For >75 To 100, Deduct	*-10.21*	
		For >100 To 200, Deduct	*-21.12*	
		For >200, Deduct	*-31.33*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	522.28	
		For Up To 10, Add	*110.06*	
		For >10 To 20, Add	*56.43*	
		For >20 To 40, Add	*28.92*	
		For >75 To 100, Deduct	*-14.46*	
		For >100 To 200, Deduct	*-29.62*	
		For >200, Deduct	*-44.08*	
		For Factory Applied White Reflective Surfacing, Add	*111.04*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.63	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	5.19	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	6.89	
		For Factory Applied White Reflective Surfacing, Add	*1.11*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	619.01	104.30
		For Up To 10, Add	*165.52*	
		For >10 To 20, Add	*93.19*	
		For >20 To 40, Add	*51.81*	
		For >75 To 100, Deduct	*-25.91*	
		For >100 To 200, Deduct	*-57.03*	
		For >200, Deduct	*-82.93*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	460.76	52.15
		For Up To 10, Add	*113.01*	
		For >10 To 20, Add	*61.72*	
		For >20 To 40, Add	*33.47*	
		For >75 To 100, Deduct	*-16.73*	
		For >100 To 200, Deduct	*-36.08*	
		For >200, Deduct	*-52.81*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	496.24	78.23
		For Up To 10, Add	*130.54*	
		For >10 To 20, Add	*73.09*	
		For >20 To 40, Add	*40.46*	
		For >75 To 100, Deduct	*-20.23*	
		For >100 To 200, Deduct	*-44.37*	
		For >200, Deduct	*-64.60*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*39.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.47*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	309.41	52.15
		For Up To 10, Add	*82.74*	
		For >10 To 20, Add	*46.59*	
		For >20 To 40, Add	*25.90*	
		For >75 To 100, Deduct	*-12.95*	
		For >100 To 200, Deduct	*-28.51*	
		For >200, Deduct	*-41.46*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	393.98	55.41
		For Up To 10, Add	*100.96*	
		For >10 To 20, Add	*56.02*	
		For >20 To 40, Add	*30.78*	
		For >75 To 100, Deduct	*-15.39*	
		For >100 To 200, Deduct	*-33.55*	
		For >200, Deduct	*-48.94*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	523.34	58.67
		For Up To 10, Add	*128.14*	
		For >10 To 20, Add	*69.94*	
		For >20 To 40, Add	*37.90*	
		For >75 To 100, Deduct	*-18.95*	
		For >100 To 200, Deduct	*-40.84*	
		For >200, Deduct	*-59.79*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	371.26	78.23
		For Up To 10, Add	*105.54*	
		For >10 To 20, Add	*60.60*	
		For >20 To 40, Add	*34.21*	
		For >75 To 100, Deduct	*-17.10*	
		For >100 To 200, Deduct	*-38.12*	
		For >200, Deduct	*-55.23*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*121.10*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	455.82	81.49
		For Up To 10, Add	*123.76*	
		For >10 To 20, Add	*70.03*	
		For >20 To 40, Add	*39.09*	
		For >75 To 100, Deduct	*-19.54*	
		For >100 To 200, Deduct	*-43.16*	
		For >200, Deduct	*-62.71*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*134.19*	
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	585.18	84.74
		For Up To 10, Add	*150.94*	
		For >10 To 20, Add	*83.94*	
		For >20 To 40, Add	*46.21*	
		For >75 To 100, Deduct	*-23.10*	
		For >100 To 200, Deduct	*-50.45*	
		For >200, Deduct	*-73.55*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*34.54*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*148.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	489.09	104.30
		For Up To 10, Add	*139.54*	
		For >10 To 20, Add	*80.20*	
		For >20 To 40, Add	*45.32*	
		For >75 To 100, Deduct	*-22.66*	
		For >100 To 200, Deduct	*-50.53*	
		For >200, Deduct	*-73.19*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*121.10*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	573.66	107.56
		For Up To 10, Add	*157.76*	
		For >10 To 20, Add	*89.64*	
		For >20 To 40, Add	*50.20*	
		For >75 To 100, Deduct	*-25.10*	
		For >100 To 200, Deduct	*-55.57*	
		For >200, Deduct	*-80.67*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*134.19*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	703.01	110.82
		For Up To 10, Add	*184.93*	
		For >10 To 20, Add	*103.55*	
		For >20 To 40, Add	*57.32*	
		For >75 To 100, Deduct	*-28.66*	
		For >100 To 200, Deduct	*-62.86*	
		For >200, Deduct	*-91.51*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Low VOC Adhesive, Add	*86.34*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Integral Polyester Fleece-Backing, Add	*148.46*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	344.63	78.23
		For Up To 10, Add	*100.22*	
		For >10 To 20, Add	*57.93*	
		For >20 To 40, Add	*32.88*	
		For >75 To 100, Deduct	*-16.44*	
		For >100 To 200, Deduct	*-36.79*	
		For >200, Deduct	*-53.23*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*39.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.47*	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	429.19	81.49
		For Up To 10, Add	*118.43*	
		For >10 To 20, Add	*67.36*	
		For >20 To 40, Add	*37.76*	
		For >75 To 100, Deduct	*-18.88*	
		For >100 To 200, Deduct	*-41.83*	
		For >200, Deduct	*-60.71*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.42*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*40.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	558.56	84.74
		For Up To 10, Add	*145.61*	
		For >10 To 20, Add	*81.28*	
		For >20 To 40, Add	*44.88*	
		For >75 To 100, Deduct	*-22.44*	
		For >100 To 200, Deduct	*-49.12*	
		For >200, Deduct	*-71.55*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.92*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*85.13*	
		For Mechanically Fastened To Concrete Decks, Add	*42.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.73*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	78.27	
		For Up To 10, Add	*20.87*	
		For >10 To 20, Add	*11.74*	
		For >20 To 40, Add	*6.52*	
		For >75 To 100, Deduct	*-3.26*	
		For >100 To 200, Deduct	*-7.17*	
		For >200, Deduct	*-10.43*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	80.88	
		For Up To 10, Add	*21.39*	
		For >10 To 20, Add	*12.00*	
		For >20 To 40, Add	*6.65*	
		For >75 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-7.30*	
		For >200, Deduct	*-10.63*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	50.12	12.39
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	70.71	12.39
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	130.16	12.39
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	172.09	13.69
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	38.58	7.56
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	7.43	1.95
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	9.38	2.93

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	562.00	58.67
		For Up To 10, Add	*135.87*	
		For >10 To 20, Add	*73.80*	
		For >20 To 40, Add	*39.84*	
		For >75 To 100, Deduct	*-19.92*	
		For >100 To 200, Deduct	*-42.77*	
		For >200, Deduct	*-62.69*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	631.32	84.74
		For Up To 10, Add	*160.16*	
		For >10 To 20, Add	*88.56*	
		For >20 To 40, Add	*48.52*	
		For >75 To 100, Deduct	*-24.26*	
		For >100 To 200, Deduct	*-52.75*	
		For >200, Deduct	*-77.01*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	760.37	110.82
		For Up To 10, Add	*196.40*	
		For >10 To 20, Add	*109.28*	
		For >20 To 40, Add	*60.18*	
		For >75 To 100, Deduct	*-30.09*	
		For >100 To 200, Deduct	*-65.72*	
		For >200, Deduct	*-95.82*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	277.45	52.15
		For Up To 10, Add	*76.35*	
		For >10 To 20, Add	*43.39*	
		For >20 To 40, Add	*24.30*	
		For >75 To 100, Deduct	*-12.15*	
		For >100 To 200, Deduct	*-26.91*	
		For >200, Deduct	*-39.06*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	310.83	55.41
		For Up To 10, Add	*84.33*	
		For >10 To 20, Add	*47.71*	
		For >20 To 40, Add	*26.62*	
		For >75 To 100, Deduct	*-13.31*	
		For >100 To 200, Deduct	*-29.39*	
		For >200, Deduct	*-42.71*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	348.41	57.04
		For Up To 10, Add	*92.50*	
		For >10 To 20, Add	*51.95*	
		For >20 To 40, Add	*28.83*	
		For >75 To 100, Deduct	*-14.41*	
		For >100 To 200, Deduct	*-31.68*	
		For >200, Deduct	*-46.09*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	366.60	58.67
		For Up To 10, Add	*96.79*	
		For >10 To 20, Add	*54.26*	
		For >20 To 40, Add	*30.07*	
		For >75 To 100, Deduct	*-15.03*	
		For >100 To 200, Deduct	*-33.00*	
		For >200, Deduct	*-48.03*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	517.08	104.30
		For Up To 10, Add	*145.14*	
		For >10 To 20, Add	*83.00*	
		For >20 To 40, Add	*46.72*	
		For >75 To 100, Deduct	*-23.36*	
		For >100 To 200, Deduct	*-51.93*	
		For >200, Deduct	*-75.29*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	550.45	107.56
		For Up To 10, Add	*153.12*	
		For >10 To 20, Add	*87.31*	
		For >20 To 40, Add	*49.04*	
		For >75 To 100, Deduct	*-24.52*	
		For >100 To 200, Deduct	*-54.41*	
		For >200, Deduct	*-78.93*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	588.03	109.19
		For Up To 10, Add	*161.28*	
		For >10 To 20, Add	*91.56*	
		For >20 To 40, Add	*51.24*	
		For >75 To 100, Deduct	*-25.62*	
		For >100 To 200, Deduct	*-56.70*	
		For >200, Deduct	*-82.32*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	606.22	110.82
		For Up To 10, Add	*165.57*	
		For >10 To 20, Add	*93.87*	
		For >20 To 40, Add	*52.48*	
		For >75 To 100, Deduct	*-26.24*	
		For >100 To 200, Deduct	*-58.02*	
		For >200, Deduct	*-84.26*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*92.14*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	304.22	78.23
		For Up To 10, Add	*92.14*	
		For >10 To 20, Add	*53.89*	
		For >20 To 40, Add	*30.86*	
		For >75 To 100, Deduct	*-15.43*	
		For >100 To 200, Deduct	*-34.77*	
		For >200, Deduct	*-50.20*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*39.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.47*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	337.59	81.49
		For Up To 10, Add	*100.11*	
		For >10 To 20, Add	*58.20*	
		For >20 To 40, Add	*33.18*	
		For >75 To 100, Deduct	*-16.59*	
		For >100 To 200, Deduct	*-37.25*	
		For >200, Deduct	*-53.84*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*40.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.09*	
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	375.17	83.12
		For Up To 10, Add	*108.28*	
		For >10 To 20, Add	*62.45*	
		For >20 To 40, Add	*35.38*	
		For >75 To 100, Deduct	*-17.69*	
		For >100 To 200, Deduct	*-39.54*	
		For >200, Deduct	*-57.23*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*41.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	393.36	84.74
		For Up To 10, Add	*112.57*	
		For >10 To 20, Add	*64.76*	
		For >20 To 40, Add	*36.62*	
		For >75 To 100, Deduct	*-18.31*	
		For >100 To 200, Deduct	*-40.86*	
		For >200, Deduct	*-59.16*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*51.36*	
		For Mechanically Fastened To Concrete Decks, Add	*42.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.73*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	78.27	
		For Up To 10, Add	*20.87*	
		For >10 To 20, Add	*11.74*	
		For >20 To 40, Add	*6.52*	
		For >75 To 100, Deduct	*-3.26*	
		For >100 To 200, Deduct	*-7.17*	
		For >200, Deduct	*-10.43*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	80.88	
		For Up To 10, Add	*21.39*	
		For >10 To 20, Add	*12.00*	
		For >20 To 40, Add	*6.65*	
		For >75 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-7.30*	
		For >200, Deduct	*-10.63*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	81.25	11.08
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	113.45	12.39
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	144.71	13.69
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	183.39	13.69
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	33.26	7.56
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	8.77	1.95
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	10.72	2.93
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	11.73	1.95

07 54 19 00-0025 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19)*

07 54 19 00-0026 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*

Note: Includes integral fiberglass mat reinforcement and hot air welding of seams. Sarnafil® G410 fully adhered membranes meet or exceed all of the requirements of ASTM D4434 Type II. Sarnafil® S327 mechanically attached membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0027	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered Note: Includes adhesive.	689.07	104.30
		For Up To 10, Add	*179.54*	
		For >10 To 20, Add	*100.20*	
		For >20 To 40, Add	*55.31*	
		For >75 To 100, Deduct	*-27.66*	
		For >100 To 200, Deduct	*-60.53*	
		For >200, Deduct	*-88.19*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
07 54 19 00-0028	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered Note: Includes adhesive.	742.88	107.56
		For Up To 10, Add	*191.60*	
		For >10 To 20, Add	*106.56*	
		For >20 To 40, Add	*58.66*	
		For >75 To 100, Deduct	*-29.33*	
		For >100 To 200, Deduct	*-64.04*	
		For >200, Deduct	*-93.36*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0029	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	796.39	109.19
		Note: Includes adhesive.		
		For Up To 10, Add	*202.95*	
		For >10 To 20, Add	*112.40*	
		For >20 To 40, Add	*61.66*	
		For >75 To 100, Deduct	*-30.83*	
		For >100 To 200, Deduct	*-67.12*	
		For >200, Deduct	*-97.95*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
07 54 19 00-0030	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Fully Adhered	852.87	110.82
		Note: Includes adhesive.		
		For Up To 10, Add	*214.90*	
		For >10 To 20, Add	*118.53*	
		For >20 To 40, Add	*64.81*	
		For >75 To 100, Deduct	*-32.40*	
		For >100 To 200, Deduct	*-70.35*	
		For >200, Deduct	*-102.75*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
07 54 19 00-0031	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	561.43	78.23
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*143.58*	
		For >10 To 20, Add	*79.61*	
		For >20 To 40, Add	*43.72*	
		For >75 To 100, Deduct	*-21.86*	
		For >100 To 200, Deduct	*-47.63*	
		For >200, Deduct	*-69.49*	
		For Mechanically Fastened To Concrete Decks, Add	*39.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.47*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
		For Mechanically Fastened With Sarnabar, Add	*53.82*	
07 54 19 00-0032	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	615.24	81.49
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*155.64*	
		For >10 To 20, Add	*85.97*	
		For >20 To 40, Add	*47.06*	
		For >75 To 100, Deduct	*-23.53*	
		For >100 To 200, Deduct	*-51.13*	
		For >200, Deduct	*-74.66*	
		For Mechanically Fastened To Concrete Decks, Add	*40.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.09*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
		For Mechanically Fastened With Sarnabar, Add	*53.82*	
07 54 19 00-0033	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	668.75	83.12
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*167.00*	
		For >10 To 20, Add	*91.81*	
		For >20 To 40, Add	*50.06*	
		For >75 To 100, Deduct	*-25.03*	
		For >100 To 200, Deduct	*-54.22*	
		For >200, Deduct	*-79.25*	
		For Mechanically Fastened To Concrete Decks, Add	*41.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.91*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
		For Mechanically Fastened With Sarnabar, Add	*53.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0034	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane (Sika Sarnafil® EnergySmart Roof® Membranes), Mechanically Fastened	725.23	84.74
		Note: Includes fasteners and plates for mechanically fastening to wood or steel decks.		
		For Up To 10, Add	*178.95*	
		For >10 To 20, Add	*97.95*	
		For >20 To 40, Add	*53.21*	
		For >75 To 100, Deduct	*-26.61*	
		For >100 To 200, Deduct	*-57.45*	
		For >200, Deduct	*-84.05*	
		For Mechanically Fastened To Concrete Decks, Add	*42.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.73*	
		For 15 Year Warranty, Add	*5.24*	
		For 20 Year Warranty, Add	*18.33*	
		For 25 Year Warranty, Add	*34.05*	
		For Integral Felt Backing, Add	*91.64*	
		For Mechanically Fastened With Sarnabar, Add	*53.82*	
07 54 19 00-0035		Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (Sika Sarnafil® EnergySmart Roof® Membranes) *(07 54 19 00-0025)*		
07 54 19 00-0036	LF	3/4" Wide Multi-Purpose Tape (Sika Sarnafil®)	1.55	
07 54 19 00-0037	LF	Roofing Membrane Aluminum Termination Bar (Sika Sarnafil® Sarnastop)	6.77	1.87
		Note: Includes fasteners and caulking.		
07 54 19 00-0038	EA	4-1/2" Diameter, Polyvinyl Chloride (PVC) Membrane Prefabricated Patch (Sika Sarnafil® Sarnacircles)	7.20	1.63
07 54 19 00-0039	LF	8" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	7.99	1.63
		Note: Includes aluminum tape.		
07 54 19 00-0040	LF	12" Polyvinyl Chloride (PVC) Membrane Cover Strip (Sika Sarnafil® Coverstrip)	7.99	1.63
		Note: Includes aluminum tape.		
07 54 19 00-0041	LF	Surface Mount Vertical Termination Bar (Sika Sarnafil® Sarnareglet)	10.74	2.08
		Note: Includes fasteners, splice plates and caulking.		
07 54 19 00-0042	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® G459)	11.40	1.95
07 54 19 00-0043	SF	Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Detail Membrane)	13.34	2.93
07 54 19 00-0044	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing (Sika Sarnafil® Sarnaclad)	17.01	1.95
		Note: 20 Mil white polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.		
		For Colored PVC, Add	*1.90*	
07 54 19 00-0045	LF	39" Wide, 96 Mil, Polyester Reinforced, Polyvinyl Chloride (PVC) Walkway Protection Pad (Sika Sarnafil® Sarnatred -V)	44.18	7.56
07 54 19 00-0046	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	123.84	11.08
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0047	EA	>3" To 5" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	126.45	12.39
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0048	EA	>5" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot (Sika Sarnafil® Sarnastack)	129.06	13.69
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 19 00-0049	EA	6" Diameter, Seamless Heavy-Duty Aluminum Roof Drain (Sika Sarnafil® Sarnadrain With U-Flow®)	1,735.03	239.29
07 54 19 00-0050	EA	Inside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Inside)	34.60	
07 54 19 00-0051	EA	Outside Corner, Prefabricated Polyvinyl Chloride (PVC) Membrane Flashing (Sika Sarnafil® Sarnacorners - Outside)	34.60	
07 54 19 00-0052	SQ	9 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt NWP), Loose Laid	86.53	
07 54 19 00-0053	SQ	11 OZ/SY, Protective Polypropylene Fabric Separation Layer (Sika Sarnafil® Sarnafelt), Loose Laid	138.09	
07 54 19 00-0054	SQ	10 Mil, Low Density Polyethylene, Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap - 10), Loose Laid	74.84	
07 54 19 00-0055	SQ	32 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Vapor/Air Barrier Sheet (Sika Sarnafil® Sarnavap Self-Adhered), Self-Adhering	215.83	
07 54 19 00-0056		Snap-On Cover Fascia (Sika Sarnafil® Edge Grip) *(07 54 19 00-0025)*		
07 54 19 00-0057		Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)*		
07 54 19 00-0058		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)*		
07 54 19 00-0059		Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0058)*		
07 54 19 00-0060	LF	8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	29.08	3.74
07 54 19 00-0061		Accessories For Mill Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0058)*		
07 54 19 00-0062	EA	Fascia Overflow Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	186.61	13.83
07 54 19 00-0063	EA	Fascia Spillout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	186.61	13.83
07 54 19 00-0064	EA	Fascia Downspout Scupper For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	229.84	13.83
07 54 19 00-0065	EA	Inside/Outside Miter For 8.25" Face Height, Mill Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	87.71	3.74
07 54 19 00-0066		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0057)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0067		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0066)*		
07 54 19 00-0068	LF	8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	34.08	3.74
07 54 19 00-0069		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 54 19 00-0066)*		
07 54 19 00-0070	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	196.59	13.83
07 54 19 00-0071	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	196.59	13.83
07 54 19 00-0072	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	249.80	13.83
07 54 19 00-0073	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	97.72	3.74
07 54 19 00-0074		Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0056)*		
07 54 19 00-0075		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0074)*		
07 54 19 00-0076		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)*		
07 54 19 00-0077	LF	8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Retainer Bar (Sika Sarnafil® Edge Grip)	30.24	3.74
07 54 19 00-0078		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip) *(07 54 19 00-0075)*		
07 54 19 00-0079	EA	Fascia Overflow Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	188.92	13.83
07 54 19 00-0080	EA	Fascia Spillout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	188.92	13.83
07 54 19 00-0081	EA	Fascia Downspout Scupper For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	234.46	13.83
07 54 19 00-0082	EA	Inside/Outside Miter For 8.25" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems (Sika Sarnafil® Edge Grip)	90.02	3.74
07 54 23		**Thermoplastic-Polyolefin Roofing** *(07 54)*		
07 54 23 00-0001		Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)* Note: Includes polyester fabric reinforcement and hot air welding of seams.		
07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	507.03	104.30
		For Up To 10, Add	*143.13*	
		For >10 To 20, Add	*81.99*	
		For >20 To 40, Add	*46.21*	
		For >75 To 100, Deduct	*-23.11*	
		For >100 To 200, Deduct	*-51.43*	
		For >200, Deduct	*-74.53*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	530.40	105.93
		For Up To 10, Add	*148.45*	
		For >10 To 20, Add	*84.82*	
		For >20 To 40, Add	*47.71*	
		For >75 To 100, Deduct	*-23.85*	
		For >100 To 200, Deduct	*-53.00*	
		For >200, Deduct	*-76.86*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	542.60	107.56
		For Up To 10, Add	*151.55*	
		For >10 To 20, Add	*86.53*	
		For >20 To 40, Add	*48.64*	
		For >75 To 100, Deduct	*-24.32*	
		For >100 To 200, Deduct	*-54.02*	
		For >200, Deduct	*-78.34*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0005	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	698.39	110.82
		For Up To 10, Add	*184.01*	
		For >10 To 20, Add	*103.09*	
		For >20 To 40, Add	*57.08*	
		For >75 To 100, Deduct	*-28.54*	
		For >100 To 200, Deduct	*-62.63*	
		For >200, Deduct	*-91.17*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*86.34*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	337.74	78.23
		For Up To 10, Add	*98.84*	
		For >10 To 20, Add	*57.24*	
		For >20 To 40, Add	*32.53*	
		For >75 To 100, Deduct	*-16.27*	
		For >100 To 200, Deduct	*-36.44*	
		For >200, Deduct	*-52.71*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*39.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*40.47*	
07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	361.10	79.86
		For Up To 10, Add	*104.16*	
		For >10 To 20, Add	*60.07*	
		For >20 To 40, Add	*34.03*	
		For >75 To 100, Deduct	*-17.01*	
		For >100 To 200, Deduct	*-38.02*	
		For >200, Deduct	*-55.03*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*39.93*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*41.28*	
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	373.31	81.49
		For Up To 10, Add	*107.26*	
		For >10 To 20, Add	*61.78*	
		For >20 To 40, Add	*34.96*	
		For >75 To 100, Deduct	*-17.48*	
		For >100 To 200, Deduct	*-39.04*	
		For >200, Deduct	*-56.52*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*40.74*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*42.09*	
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	529.10	84.74
		For Up To 10, Add	*139.72*	
		For >10 To 20, Add	*78.34*	
		For >20 To 40, Add	*43.41*	
		For >75 To 100, Deduct	*-21.70*	
		For >100 To 200, Deduct	*-47.64*	
		For >200, Deduct	*-69.35*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*42.38*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*43.73*	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	92.63	
		For Up To 10, Add	*23.74*	
		For >10 To 20, Add	*13.18*	
		For >20 To 40, Add	*7.24*	
		For >75 To 100, Deduct	*-3.62*	
		For >100 To 200, Deduct	*-7.89*	
		For >200, Deduct	*-11.51*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	80.88	
		For Up To 10, Add	*21.39*	
		For >10 To 20, Add	*12.00*	
		For >20 To 40, Add	*6.65*	
		For >75 To 100, Deduct	*-3.33*	
		For >100 To 200, Deduct	*-7.30*	
		For >200, Deduct	*-10.63*	
		For Tan Or Gray Color, Add	*2.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	70.28	11.08
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	75.95	12.39
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	137.72	13.69
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	32.87	7.56
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	9.15	1.95
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	13.23	1.95
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	8.13	1.95
		For Tan Or Gray Color, Add	*0.11*	

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene/Hypalon (CSM/CR) Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene/Hypalon (CSM/CR) Liquid Roofing	1,209.96	173.75
		For Each Additional Coat, Add	*181.49*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,144.63	183.11
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,281.59	204.49

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	488.02	104.92
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	589.70	104.92
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	666.19	104.92

07 56 00 00-0010 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On *(07 56)*

Note: As manufactured by Tru-Co, Inc.

07 56 00 00-0011 Rubberized Acrylic Elastomeric Roof Coating, Sprayed On Assemblies *(07 56 00 00-0010)*

07 56 00 00-0012	SQ	Elastomeric Installation Over Urethane Foam	1,100.27	
07 56 00 00-0013	SQ	Elastomeric Installation Over Decks	1,129.34	
07 56 00 00-0014	SQ	Elastomeric Installation Over Exterior, Waterproofing	452.79	
07 56 00 00-0015	SQ	Elastomeric Installation Over Existing Tar (Asphalt) And Gravel Roof	1,443.21	
07 56 00 00-0016	SQ	Elastomeric Installation Over New Construction, Waterproofing	802.41	
07 56 00 00-0017	SQ	Elastomeric Installation Over Mobile Home	530.52	
07 56 00 00-0018	SQ	Elastomeric Installation Over Corrugated Metal Roofs	621.18	
07 56 00 00-0019	SQ	Elastomeric Installation Over Granulate Mineral Surface, Cap Sheet (Semi-Smooth) Surface	1,190.93	
07 56 00 00-0020	SQ	4" Acrylic Gel With Fabric (Apply At Edges)	4.23	
07 56 00 00-0021	SQ	6" Acrylic Gel With Fabric (Apply At Edges)	6.00	

07 56 00 00-0022 Polyurethane Roof Coating, Sprayed On Assemblies *(07 56)*

Note: Includes pressure wash, primer, base coat, polyester reinforcement, top coat and finish coat.

07 56 00 00-0023	SF	Up To 50 SF White (High-Albedo) Polyurethane Coating	12.31	
07 56 00 00-0024	SF	>50 To 100 SF White (High-Albedo) Polyurethane Coating	11.75	
07 56 00 00-0025	SF	>100 To 500 SF White (High-Albedo) Polyurethane Coating	11.19	
07 56 00 00-0026	SEA	>500 To 1,000 SF White (High-Albedo) Polyurethane Coating	10.49	

07 56 00 00-0027 Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*

07 56 00 00-0028	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	2,086.92	104.92

07 56 00 00-0029 Urethane Liquid Roofing Membrane *(07 56)*

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0030	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	104.24	
07 56 00 00-0031	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	6.11	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0032	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	397.20	
07 56 00 00-0033	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	103.29	
07 56 00 00-0034	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	976.17	
07 56 00 00-0035	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,473.56	
07 56 00 00-0036	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,009.81	
07 56 00 00-0037	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	262.40	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*

07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	419.29	64.56
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	501.70	69.17
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	584.11	73.79
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	674.65	78.40
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	765.18	83.01
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	839.48	87.61
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	913.78	92.23
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	996.20	96.84
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,078.62	101.45
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,161.03	106.07
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,243.44	110.67

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	431.92	64.56
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	514.34	69.17
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	596.75	73.79
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	679.16	78.40
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	761.57	83.01
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	844.00	87.61
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	926.42	92.23
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,008.83	96.84
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,091.25	101.45
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,173.67	106.07
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,256.08	110.67

07 57 13 00-0027 Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	462.61	64.56
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	542.31	69.17
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	622.02	73.79
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	704.43	78.40
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	786.84	83.01
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	903.01	87.61
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,019.18	92.23
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,108.46	96.84
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,197.74	101.45
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,287.01	106.07
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,376.28	110.67

07 57 13 00-0039 Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0040 Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.

07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	471.63	64.56
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	560.90	69.17
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	650.17	73.79
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	739.44	78.40
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	828.71	83.01
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	917.99	87.61
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,007.27	92.23
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,096.54	96.84
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,185.82	101.45
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,275.09	106.07
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,364.37	110.67

07 57 13 00-0052 Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.

07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	489.50	64.56
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	578.77	69.17
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	668.04	73.79
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	757.31	78.40
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	846.58	83.01
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	935.86	87.61
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,025.14	92.23
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,114.41	96.84
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,203.69	101.45
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,292.96	106.07
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,382.23	110.67

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0064		Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	503.39	64.56
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	592.66	69.17
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	681.93	73.79
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	771.21	78.40
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	860.48	83.01
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	949.76	87.61
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,039.04	92.23
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,128.31	96.84
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,217.59	101.45
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,306.86	106.07
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,396.13	110.67

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001		Prepared Roll Roofing *(07 58)* Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	296.87	41.31

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001		Membrane Roofing Termination Bar *(07 59)*		
07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	5.71	1.87

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001		Standing Seam Concealed Fastener Roofing *(07 61 13)*		
07 61 13 00-0002		Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	33.10	3.63
		For Steep Roof, Over 6 To 12, Add	*2.18*	
		For 140 MPH Wind Load, Add	*1.24*	
		For Panels <16" Wide, Add	*3.00*	
		For Up To 1,500, Add	*8.28*	
		For >1,500 To 5,000, Add	*4.97*	
		For >5,000 To 10,000, Add	*0.83*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	36.23	3.93
		For Steep Roof, Over 6 To 12, Add	*2.36*	
		For 140 MPH Wind Load, Add	*1.35*	
		For Panels <16" Wide, Add	*3.27*	
		For Up To 1,500, Add	*9.06*	
		For >1,500 To 5,000, Add	*5.43*	
		For >5,000 To 10,000, Add	*0.91*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	42.62	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.54*	
		For Panels <16" Wide, Add	*3.72*	
		For Up To 1,500, Add	*10.66*	
		For >1,500 To 5,000, Add	*6.39*	
		For >5,000 To 10,000, Add	*1.07*	
07 61 13 00-0006		Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	38.63	3.93
		For Steep Roof, Over 6 To 12, Add	*2.36*	
		For 140 MPH Wind Load, Add	*1.40*	
		For Panels <16" Wide, Add	*3.39*	
		For Up To 1,500, Add	*9.66*	
		For >1,500 To 5,000, Add	*5.79*	
		For >5,000 To 10,000, Add	*0.97*	
		For Tin/Copper, Deduct	*-0.62*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	46.65	4.10
		For Steep Roof, Over 6 To 12, Add	*2.46*	
		For 140 MPH Wind Load, Add	*1.59*	
		For Panels <16" Wide, Add	*3.85*	
		For Up To 1,500, Add	*11.66*	
		For >1,500 To 5,000, Add	*7.00*	
		For >5,000 To 10,000, Add	*1.17*	
		For Tin/Copper, Deduct	*-0.77*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	52.96	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.74*	
		For Panels <16" Wide, Add	*4.23*	
		For Up To 1,500, Add	*13.24*	
		For >1,500 To 5,000, Add	*7.94*	
		For >5,000 To 10,000, Add	*1.32*	
		For Tin/Copper, Deduct	*-0.89*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	66.23	4.49
		For Steep Roof, Over 6 To 12, Add	*2.69*	
		For 140 MPH Wind Load, Add	*2.04*	
		For Panels <16" Wide, Add	*4.97*	
		For Up To 1,500, Add	*16.56*	
		For >1,500 To 5,000, Add	*9.93*	
		For >5,000 To 10,000, Add	*1.66*	
		For Tin/Copper, Deduct	*-1.15*	

07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	137.78	7.49
		For Steep Roof, Over 6 To 12, Add	*5.62*	
		For 140 MPH Wind Load, Add	*4.25*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	80.13	7.49
		For Steep Roof, Over 6 To 12, Add	*5.62*	
		For 140 MPH Wind Load, Add	*3.10*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	192.30	7.49
		For Steep Roof, Over 6 To 12, Add	*5.62*	
		For 140 MPH Wind Load, Add	*5.34*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	142.09	7.49
		For Steep Roof, Over 6 To 12, Add	*5.62*	
		For 140 MPH Wind Load, Add	*4.34*	

07 61 16 Batten Seam Sheet Metal Roofing *(07 61)*

07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*

07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	40.72	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.50*	
		For Panels <16" Wide, Add	*3.62*	
		For Up To 1,500, Add	*10.18*	
		For >1,500 To 5,000, Add	*6.11*	
		For >5,000 To 10,000, Add	*1.02*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	44.94	4.50
		For Steep Roof, Over 6 To 12, Add	*2.70*	
		For 140 MPH Wind Load, Add	*1.62*	
		For Panels <16" Wide, Add	*3.91*	
		For Up To 1,500, Add	*11.24*	
		For >1,500 To 5,000, Add	*6.74*	
		For >5,000 To 10,000, Add	*1.12*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	52.30	4.72
		For Steep Roof, Over 6 To 12, Add	*2.83*	
		For 140 MPH Wind Load, Add	*1.80*	
		For Panels <16" Wide, Add	*4.36*	
		For Up To 1,500, Add	*13.08*	
		For >1,500 To 5,000, Add	*7.85*	
		For >5,000 To 10,000, Add	*1.31*	

07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	41.28	3.93
		For Steep Roof, Over 6 To 12, Add	*2.36*	
		For 140 MPH Wind Load, Add	*1.45*	
		For Panels <16" Wide, Add	*3.52*	
		For Up To 1,500, Add	*10.32*	
		For >1,500 To 5,000, Add	*6.19*	
		For >5,000 To 10,000, Add	*1.03*	
		For Tin/Copper, Deduct	*-0.67*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	50.44	4.10
		For Steep Roof, Over 6 To 12, Add	*2.46*	
		For 140 MPH Wind Load, Add	*1.66*	
		For Panels <16" Wide, Add	*4.04*	
		For Up To 1,500, Add	*12.61*	
		For >1,500 To 5,000, Add	*7.57*	
		For >5,000 To 10,000, Add	*1.26*	
		For Tin/Copper, Deduct	*-0.84*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	56.49	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.82*	
		For Panels <16" Wide, Add	*4.41*	
		For Up To 1,500, Add	*14.12*	
		For >1,500 To 5,000, Add	*8.47*	
		For >5,000 To 10,000, Add	*1.41*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	70.77	4.49
		For Steep Roof, Over 6 To 12, Add	*2.69*	
		For 140 MPH Wind Load, Add	*2.13*	
		For Panels <16" Wide, Add	*5.20*	
		For Up To 1,500, Add	*17.69*	
		For >1,500 To 5,000, Add	*10.62*	
		For >5,000 To 10,000, Add	*1.77*	
		For Tin/Copper, Deduct	*-1.24*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	31.57	3.93
		For Steep Roof, Over 6 To 12, Add	*2.36*	
		For 140 MPH Wind Load, Add	*1.26*	
		For Panels <16" Wide, Add	*3.03*	
		For Up To 1,500, Add	*7.89*	
		For >1,500 To 5,000, Add	*4.74*	
		For >5,000 To 10,000, Add	*0.79*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	34.68	4.10
		For Steep Roof, Over 6 To 12, Add	*2.46*	
		For 140 MPH Wind Load, Add	*1.35*	
		For Panels <16" Wide, Add	*3.25*	
		For Up To 1,500, Add	*8.67*	
		For >1,500 To 5,000, Add	*5.20*	
		For >5,000 To 10,000, Add	*0.87*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	40.09	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.49*	
		For Panels <16" Wide, Add	*3.59*	
		For Up To 1,500, Add	*10.02*	
		For >1,500 To 5,000, Add	*6.01*	
		For >5,000 To 10,000, Add	*1.00*	

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	36.23	3.93
		For Steep Roof, Over 6 To 12, Add	*2.36*	
		For 140 MPH Wind Load, Add	*1.35*	
		For Panels <16" Wide, Add	*3.27*	
		For Up To 1,500, Add	*9.06*	
		For >1,500 To 5,000, Add	*5.43*	
		For >5,000 To 10,000, Add	*0.91*	
		For Tin/Copper, Deduct	*-0.57*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	44.14	4.10
		For Steep Roof, Over 6 To 12, Add	*2.46*	
		For 140 MPH Wind Load, Add	*1.54*	
		For Panels <16" Wide, Add	*3.72*	
		For Up To 1,500, Add	*11.04*	
		For >1,500 To 5,000, Add	*6.62*	
		For >5,000 To 10,000, Add	*1.10*	
		For Tin/Copper, Deduct	*-0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	49.55	4.29
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.68*	
		For Panels <16" Wide, Add	*4.06*	
		For Up To 1,500, Add	*12.39*	
		For >1,500 To 5,000, Add	*7.43*	
		For >5,000 To 10,000, Add	*1.24*	
		For Tin/Copper, Deduct	*-0.82*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	61.94	4.49
		For Steep Roof, Over 6 To 12, Add	*2.69*	
		For 140 MPH Wind Load, Add	*1.96*	
		For Panels <16" Wide, Add	*4.76*	
		For Up To 1,500, Add	*15.49*	
		For >1,500 To 5,000, Add	*9.29*	
		For >5,000 To 10,000, Add	*1.55*	
		For Tin/Copper, Deduct	*-1.06*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	25.01	6.00
		For Up To 100, Add	*6.25*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	32.72	6.00
		For Up To 100, Add	*8.18*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	29.29	5.86
		For Up To 100, Add	*7.32*	
		For >500 To 2,000, Deduct	*-4.04*	
		For >2,000, Deduct	*-4.92*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.32*	
		For Wrap Around Window Panning, Add	*11.59*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	30.25	6.00
		For Up To 100, Add	*7.56*	
		For >500 To 2,000, Deduct	*-4.17*	
		For >2,000, Deduct	*-5.08*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.42*	
		For Wrap Around Window Panning, Add	*12.11*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	34.47	6.40
		For Up To 100, Add	*8.62*	
		For >500 To 2,000, Deduct	*-4.74*	
		For >2,000, Deduct	*-5.82*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.54*	
		For Wrap Around Window Panning, Add	*12.70*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	42.35	6.66
		For Up To 100, Add	*10.59*	
		For >500 To 2,000, Deduct	*-5.77*	
		For >2,000, Deduct	*-7.22*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.67*	
		For Wrap Around Window Panning, Add	*13.33*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	11.81	3.20
		For Up To 100, Add	*2.95*	
		For Wrap Around Window Panning, Add	*8.23*	
		For Mechanically Keyed Flashing, Add	*1.43*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	12.83	3.60
		For Up To 100, Add	*3.21*	
		For Wrap Around Window Panning, Add	*8.36*	
		For Mechanically Keyed Flashing, Add	*1.79*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	13.85	3.99
		For Up To 100, Add	*3.46*	
		For Wrap Around Window Panning, Add	*8.49*	
		For Mechanically Keyed Flashing, Add	*2.14*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	15.47	4.40
		For Up To 100, Add	*3.87*	
		For Wrap Around Window Panning, Add	*8.77*	
		For Mechanically Keyed Flashing, Add	*2.68*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	18.19	4.67
		For Up To 100, Add	*4.55*	
		For Wrap Around Window Panning, Add	*9.26*	
		For Mechanically Keyed Flashing, Add	*3.57*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	19.88	4.90
		For Up To 100, Add	*4.97*	
		For Wrap Around Window Panning, Add	*9.80*	
		For Mechanically Keyed Flashing, Add	*4.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	21.29	5.20
		For Up To 100, Add	*5.32*	
		For Wrap Around Window Panning, Add	*10.37*	
		For Mechanically Keyed Flashing, Add	*4.37*	
07 62 13 00-0019		Aluminum Flashing And Trim *(07 62 13)*		
07 62 13 00-0020		Aluminum Flashing And Trim *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	13.51	4.13
		For Up To 100, Add	*3.38*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	14.45	4.13
		For Up To 100, Add	*3.61*	
		For Baked Aluminum Colors, Add	*0.53*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	15.20	4.13
		For Up To 100, Add	*3.80*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	16.28	4.13
		For Up To 100, Add	*4.07*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	17.79	4.13
		For Up To 100, Add	*4.45*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	18.72	4.13
		For Up To 100, Add	*4.68*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	19.47	4.13
		For Up To 100, Add	*4.87*	
		For Baked Aluminum Colors, Add	*1.03*	
		For Wrap Around Window Panning, Add	*9.19*	
07 62 13 00-0028		Steel Flashing And Trim *(07 62 13)*		
07 62 13 00-0029		Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	13.14	3.99
		For Up To 100, Add	*3.29*	
		For Wrap Around Window Panning, Add	*8.49*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	13.67	4.40
		For Up To 100, Add	*3.42*	
		For Wrap Around Window Panning, Add	*8.77*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	14.55	4.67
		For Up To 100, Add	*3.64*	
		For Wrap Around Window Panning, Add	*9.26*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	15.47	4.90
		For Up To 100, Add	*3.87*	
		For Wrap Around Window Panning, Add	*9.80*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	16.72	5.20
		For Up To 100, Add	*4.18*	
		For Wrap Around Window Panning, Add	*10.37*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001		Drip Edge *(07 62 19)*		
07 62 19 00-0002		Aluminum Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003		KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*		
07 62 19 00-0004		0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.45	2.08
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.95	2.22
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.27	2.49
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.33	2.63
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.00	2.76
07 62 19 00-0010		0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		
07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	15.44	2.08
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.05	2.22
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.91	2.49
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.30	2.63
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.86	2.76
07 62 19 00-0016		0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.43	2.08
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	20.37	2.22
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.50	2.49
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.28	2.63
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.49	2.76
07 62 19 00-0022		**0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.40	2.08
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.00	2.22
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.63	2.49
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.22	2.63
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	40.76	2.76
07 62 19 00-0028		**0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.06	2.08
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.99	2.22
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	27.67	2.49
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.54	2.63
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	42.51	2.76
07 62 19 00-0034		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.36	2.08
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.95	2.22
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.29	2.49
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	38.14	2.63
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	48.65	2.76
07 62 19 00-0040		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.65	2.08
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	31.33	2.22
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.50	2.49
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	44.72	2.63
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	57.43	2.76
07 62 19 00-0046		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.60	2.08
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	36.60	2.22
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	42.75	2.49
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	52.62	2.63
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	67.95	2.76
07 62 19 00-0052		**Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0053		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	11.90	2.08
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.48	2.22
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	16.25	2.49
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	19.22	2.63
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	23.95	2.76
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	12.58	2.08
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.24	2.22
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	17.39	2.49
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	20.58	2.63
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	25.24	2.76
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	13.26	2.08
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.15	2.22
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	18.48	2.49
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	21.95	2.63
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	27.05	2.76
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	14.62	2.08
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	17.96	2.22
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	20.64	2.49
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	24.67	2.63
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	30.68	2.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	15.08	2.08
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	18.64	2.22
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	21.36	2.49
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	25.58	2.63
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	31.89	2.76
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	16.67	2.08
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	20.68	2.22
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	23.85	2.49
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	28.75	2.63
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	36.13	2.76
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	18.93	2.08
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	23.71	2.22
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	27.45	2.49
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	33.29	2.63
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	42.18	2.76
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	21.66	2.08
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	27.34	2.22
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	31.76	2.49
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	38.73	2.63
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	49.44	2.76
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.95	2.08
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.63	2.22
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.05	2.49
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.32	2.63
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.36	2.76
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.99	2.08
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.79	2.22
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.79	2.49
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.41	2.63
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.34	2.76
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.04	2.08
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.18	2.22
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	24.47	2.49
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.50	2.63
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.13	2.76
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.13	2.08
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.97	2.22
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.79	2.49
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	33.68	2.63
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	42.71	2.76
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.83	2.08
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.02	2.22
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.89	2.49
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.08	2.63
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	44.56	2.76
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.27	2.08
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	28.16	2.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.73	2.49
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.96	2.63
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	51.07	2.76
07 62 19 00-0138		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.76	2.08
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.81	2.22
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.25	2.49
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	46.93	2.63
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	60.37	2.76
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.94	2.08
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	38.39	2.22
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	44.87	2.49
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	55.30	2.63
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	71.53	2.76
07 62 19 00-0150		Galvanized Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	13.79	2.08
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	16.92	2.22
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	19.32	2.49
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	23.01	2.63
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	28.47	2.76
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	14.93	2.08
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	18.44	2.22
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	21.12	2.49
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	25.29	2.63
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	31.48	2.76
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.20	2.08
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.49	2.22
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	24.72	2.49
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	29.81	2.63
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	37.54	2.76
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	18.84	2.08
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	23.69	2.22
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.32	2.49
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	33.10	2.63
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	41.93	2.76
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	23.47	2.08
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	29.76	2.22
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	34.63	2.49
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	42.37	2.63
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	54.28	2.76
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	28.90	2.08
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	37.00	2.22
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	43.25	2.49
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	53.22	2.63
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	68.76	2.76
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	35.29	2.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	45.51	2.22
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	53.36	2.49
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	65.99	2.63
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	85.79	2.76

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	102.60
		For Pourable Sealer Filled, Add	*41.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	123.94
		For Pourable Sealer Filled, Add	*93.71*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	150.94
		For Pourable Sealer Filled, Add	*166.50*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	165.44
		For Pourable Sealer Filled, Add	*208.13*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	179.24
		For Pourable Sealer Filled, Add	*249.76*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	210.26
		For Pourable Sealer Filled, Add	*374.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	100.14
		For Pourable Sealer Filled, Add	*41.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	120.72
		For Pourable Sealer Filled, Add	*93.71*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	147.73
		For Pourable Sealer Filled, Add	*166.50*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	164.99
		For Pourable Sealer Filled, Add	*208.13*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	178.25
		For Pourable Sealer Filled, Add	*249.76*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	209.42
		For Pourable Sealer Filled, Add	*374.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	129.44
		For Pourable Sealer Filled, Add	*41.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	154.09
		For Pourable Sealer Filled, Add	*93.71*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	177.52
		For Pourable Sealer Filled, Add	*166.50*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	191.35
		For Pourable Sealer Filled, Add	*208.13*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	204.30
		For Pourable Sealer Filled, Add	*249.76*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	233.25
		For Pourable Sealer Filled, Add	*374.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	90.52
		For Pourable Sealer Filled, Add	*41.63*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.82*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	103.10	
		For Pourable Sealer Filled, Add	*93.71*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*46.98*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	119.74	
		For Pourable Sealer Filled, Add	*166.50*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*83.06*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	130.40	
		For Pourable Sealer Filled, Add	*208.13*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*104.40*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	141.06	
		For Pourable Sealer Filled, Add	*249.76*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*124.90*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	167.53	
		For Pourable Sealer Filled, Add	*374.63*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*186.16*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe	101.98	34.18
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe	101.98	34.18
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe	120.83	34.18
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe	131.60	34.18
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe	136.98	34.18
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe	139.68	34.18
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe	166.60	34.18
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe	178.72	34.18

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	87.13	22.09
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	88.29	22.09
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	92.49	22.09
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	96.10	22.09

07 64 Sheet Metal Wall Cladding *(07 60)*

07 64 19 Flat Seam Sheet Metal Wall Cladding *(07 64)*

See CSI section 05 75 00 00-0000 for metal wall cladding.

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	16.71	2.61

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Thick *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	11.32	3.72
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	14.82	3.99
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	18.75	4.40
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	22.91	4.96

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	49.09	11.43
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	57.29	12.80
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	63.30	13.77

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

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CSI		UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0002			KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0003		LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.85	2.98
			For Up To 25 LF, Add	*5.68*	
			For >25 To 100 LF, Add	*2.84*	
			For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0004		LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	38.90	3.24
			For Up To 25 LF, Add	*6.05*	
			For >25 To 100 LF, Add	*3.02*	
			For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0005		LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	44.29	3.41
			For Up To 25 LF, Add	*6.70*	
			For >25 To 100 LF, Add	*3.35*	
			For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0006		LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	51.39	3.74
			For Up To 25 LF, Add	*7.63*	
			For >25 To 100 LF, Add	*3.82*	
			For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0007		LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	61.94	3.90
			For Up To 25 LF, Add	*8.79*	
			For >25 To 100 LF, Add	*4.40*	
			For >1,000 LF, Deduct	*-0.65*	
07 71 13 00-0008			Aluminum Copings *(07 71 13)*		
07 71 13 00-0009			Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
			Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0010			0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0011		LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.41	2.98
			For Up To 25 LF, Add	*4.93*	
			For >25 To 100 LF, Add	*2.47*	
			For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0012		LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.41	3.24
			For Up To 25 LF, Add	*5.30*	
			For >25 To 100 LF, Add	*2.65*	
			For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0013		LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.53	3.41
			For Up To 25 LF, Add	*5.93*	
			For >25 To 100 LF, Add	*2.96*	
			For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0014		LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	43.52	3.74
			For Up To 25 LF, Add	*6.84*	
			For >25 To 100 LF, Add	*3.42*	
			For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0015		LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	53.87	3.90
			For Up To 25 LF, Add	*7.99*	
			For >25 To 100 LF, Add	*3.99*	
			For >1,000 LF, Deduct	*-0.65*	
07 71 13 00-0016			0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*		
07 71 13 00-0017		LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	31.86	2.98
			For Up To 25 LF, Add	*5.18*	
			For >25 To 100 LF, Add	*2.59*	
			For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0018		LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.01	3.24
			For Up To 25 LF, Add	*5.56*	
			For >25 To 100 LF, Add	*2.78*	
			For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0019		LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	39.61	3.41
			For Up To 25 LF, Add	*6.23*	
			For >25 To 100 LF, Add	*3.12*	
			For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0020		LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	47.25	3.74
			For Up To 25 LF, Add	*7.22*	
			For >25 To 100 LF, Add	*3.61*	
			For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0021		LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	58.61	3.90
			For Up To 25 LF, Add	*8.46*	
			For >25 To 100 LF, Add	*4.23*	
			For >1,000 LF, Deduct	*-0.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0022		**0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0009)*		
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	33.87	2.98
		For Up To 25 LF, Add	*5.38*	
		For >25 To 100 LF, Add	*2.69*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	36.33	3.24
		For Up To 25 LF, Add	*5.79*	
		For >25 To 100 LF, Add	*2.89*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	43.45	3.41
		For Up To 25 LF, Add	*6.62*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	54.12	3.74
		For Up To 25 LF, Add	*7.90*	
		For >25 To 100 LF, Add	*3.95*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	69.73	3.90
		For Up To 25 LF, Add	*9.57*	
		For >25 To 100 LF, Add	*4.79*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 13 00-0028		**KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029		**0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0028)*		
07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	40.41	2.98
		For Up To 25 LF, Add	*6.03*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.12	3.24
		For Up To 25 LF, Add	*6.47*	
		For >25 To 100 LF, Add	*3.23*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	50.41	3.41
		For Up To 25 LF, Add	*7.31*	
		For >25 To 100 LF, Add	*3.66*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	60.30	3.74
		For Up To 25 LF, Add	*8.52*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	75.19	3.90
		For Up To 25 LF, Add	*10.12*	
		For >25 To 100 LF, Add	*5.06*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 13 00-0035		**0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats** *(07 71 13 00-0028)*		
07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	43.95	2.98
		For Up To 25 LF, Add	*6.39*	
		For >25 To 100 LF, Add	*3.19*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.89	3.24
		For Up To 25 LF, Add	*6.85*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	54.88	3.41
		For Up To 25 LF, Add	*7.76*	
		For >25 To 100 LF, Add	*3.88*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	65.71	3.74
		For Up To 25 LF, Add	*9.06*	
		For >25 To 100 LF, Add	*4.53*	
		For >1,000 LF, Deduct	*-0.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	82.06	3.90
		For Up To 25 LF, Add	*10.81*	
		For >25 To 100 LF, Add	*5.40*	
		For >1,000 LF, Deduct	*-0.65*	

07 71 13 00-0041 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	46.86	2.98
		For Up To 25 LF, Add	*6.68*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	50.26	3.24
		For Up To 25 LF, Add	*7.18*	
		For >25 To 100 LF, Add	*3.59*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	60.44	3.41
		For Up To 25 LF, Add	*8.32*	
		For >25 To 100 LF, Add	*4.16*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	75.68	3.74
		For Up To 25 LF, Add	*10.06*	
		For >25 To 100 LF, Add	*5.03*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	98.19	3.90
		For Up To 25 LF, Add	*12.42*	
		For >25 To 100 LF, Add	*6.21*	
		For >1,000 LF, Deduct	*-0.65*	

07 71 13 00-0047 Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0048 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	42.53	2.98
		For Up To 25 LF, Add	*6.25*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	45.38	3.24
		For Up To 25 LF, Add	*6.69*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	53.09	3.41
		For Up To 25 LF, Add	*7.58*	
		For >25 To 100 LF, Add	*3.79*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	63.55	3.74
		For Up To 25 LF, Add	*8.85*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	79.31	3.90
		For Up To 25 LF, Add	*10.53*	
		For >25 To 100 LF, Add	*5.27*	
		For >1,000 LF, Deduct	*-0.65*	

07 71 13 00-0054 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	46.29	2.98
		For Up To 25 LF, Add	*6.62*	
		For >25 To 100 LF, Add	*3.31*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.38	3.24
		For Up To 25 LF, Add	*7.09*	
		For >25 To 100 LF, Add	*3.55*	
		For >1,000 LF, Deduct	*-0.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	57.83	3.41
		For Up To 25 LF, Add	*8.06*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	69.28	3.74
		For Up To 25 LF, Add	*9.42*	
		For >25 To 100 LF, Add	*4.71*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	86.59	3.90
		For Up To 25 LF, Add	*11.26*	
		For >25 To 100 LF, Add	*5.63*	
		For >1,000 LF, Deduct	*-0.65*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	49.38	2.98
		For Up To 25 LF, Add	*6.93*	
		For >25 To 100 LF, Add	*3.47*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	52.95	3.24
		For Up To 25 LF, Add	*7.45*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-0.54*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	63.73	3.41
		For Up To 25 LF, Add	*8.65*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.57*	
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	79.84	3.74
		For Up To 25 LF, Add	*10.48*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-0.62*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	103.69	3.90
		For Up To 25 LF, Add	*12.97*	
		For >25 To 100 LF, Add	*6.48*	
		For >1,000 LF, Deduct	*-0.65*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.97	2.35
		For Up To 25 LF, Add	*7.17*	
		For >25 To 100 LF, Add	*3.58*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.52	2.76
		For Up To 25 LF, Add	*7.82*	
		For >25 To 100 LF, Add	*3.91*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.10	3.04
		For Up To 25 LF, Add	*8.41*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-0.93*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.70	2.35
		For Up To 25 LF, Add	*7.44*	
		For >25 To 100 LF, Add	*3.72*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.36	2.76
		For Up To 25 LF, Add	*8.10*	
		For >25 To 100 LF, Add	*4.05*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.10	3.04
		For Up To 25 LF, Add	*8.71*	
		For >25 To 100 LF, Add	*4.36*	
		For >1,000 LF, Deduct	*-0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0013		**0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)*		
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.25	2.35
		For Up To 25 LF, Add	*7.79*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	51.77	2.76
		For Up To 25 LF, Add	*8.45*	
		For >25 To 100 LF, Add	*4.22*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	53.88	3.04
		For Up To 25 LF, Add	*9.09*	
		For >25 To 100 LF, Add	*4.55*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0017		**0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop** *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.66	2.35
		For Up To 25 LF, Add	*8.03*	
		For >25 To 100 LF, Add	*4.02*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	54.27	2.76
		For Up To 25 LF, Add	*8.70*	
		For >25 To 100 LF, Add	*4.35*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	56.52	3.04
		For Up To 25 LF, Add	*9.36*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0021		**Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0003)*		
07 71 19 00-0022		**0.032" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	28.85	2.35
		For Up To 25 LF, Add	*5.65*	
		For >25 To 100 LF, Add	*2.83*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	31.16	2.76
		For Up To 25 LF, Add	*6.38*	
		For >25 To 100 LF, Add	*3.19*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	33.46	3.04
		For Up To 25 LF, Add	*7.05*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0026		**0.040" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	31.12	2.35
		For Up To 25 LF, Add	*5.88*	
		For >25 To 100 LF, Add	*2.94*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	33.13	2.76
		For Up To 25 LF, Add	*6.58*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	34.97	3.04
		For Up To 25 LF, Add	*7.20*	
		For >25 To 100 LF, Add	*3.60*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0030		**0.050" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	33.39	2.35
		For Up To 25 LF, Add	*6.11*	
		For >25 To 100 LF, Add	*3.05*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	35.39	2.76
		For Up To 25 LF, Add	*6.81*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	37.43	3.04
		For Up To 25 LF, Add	*7.45*	
		For >25 To 100 LF, Add	*3.72*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0034		**0.063" Thick, Mill Finish, Aluminum Gravel Stop** *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	35.85	2.35
		For Up To 25 LF, Add	*6.35*	
		For >25 To 100 LF, Add	*3.18*	
		For >1,000 LF, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	37.66	2.76
		For Up To 25 LF, Add	*7.03*	
		For >25 To 100 LF, Add	*3.52*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	39.25	3.04
		For Up To 25 LF, Add	*7.63*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.36	2.35
		For Up To 25 LF, Add	*8.00*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.27	2.76
		For Up To 25 LF, Add	*8.70*	
		For >25 To 100 LF, Add	*4.35*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	55.97	3.04
		For Up To 25 LF, Add	*9.30*	
		For >25 To 100 LF, Add	*4.65*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	55.64	2.35
		For Up To 25 LF, Add	*8.33*	
		For >25 To 100 LF, Add	*4.17*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	57.69	2.76
		For Up To 25 LF, Add	*9.04*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.55	3.04
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.90	2.35
		For Up To 25 LF, Add	*8.76*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	61.77	2.76
		For Up To 25 LF, Add	*9.45*	
		For >25 To 100 LF, Add	*4.72*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	63.33	3.04
		For Up To 25 LF, Add	*10.04*	
		For >25 To 100 LF, Add	*5.02*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.80	2.35
		For Up To 25 LF, Add	*9.05*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	64.77	2.76
		For Up To 25 LF, Add	*9.75*	
		For >25 To 100 LF, Add	*4.87*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	66.45	3.04
		For Up To 25 LF, Add	*10.35*	
		For >25 To 100 LF, Add	*5.17*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.58	2.49
		For Up To 25 LF, Add	*8.00*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.77	2.97
		For Up To 25 LF, Add	*8.87*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	56.39	3.39
		For Up To 25 LF, Add	*9.73*	
		For >25 To 100 LF, Add	*4.87*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.30	2.49
		For Up To 25 LF, Add	*8.27*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.61	2.97
		For Up To 25 LF, Add	*9.16*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.39	3.39
		For Up To 25 LF, Add	*10.03*	
		For >25 To 100 LF, Add	*5.02*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.86	2.49
		For Up To 25 LF, Add	*8.63*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.02	2.97
		For Up To 25 LF, Add	*9.50*	
		For >25 To 100 LF, Add	*4.75*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	63.17	3.39
		For Up To 25 LF, Add	*10.41*	
		For >25 To 100 LF, Add	*5.20*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	58.27	2.49
		For Up To 25 LF, Add	*8.87*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	61.52	2.97
		For Up To 25 LF, Add	*9.75*	
		For >25 To 100 LF, Add	*4.87*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	65.81	3.39
		For Up To 25 LF, Add	*10.67*	
		For >25 To 100 LF, Add	*5.34*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.55	2.49
		For Up To 25 LF, Add	*6.70*	
		For >25 To 100 LF, Add	*3.35*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.18	2.97
		For Up To 25 LF, Add	*7.51*	
		For >25 To 100 LF, Add	*3.76*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.18	3.39
		For Up To 25 LF, Add	*8.31*	
		For >25 To 100 LF, Add	*4.16*	
		For >1,000 LF, Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0078		**0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.43	2.49
		For Up To 25 LF, Add	*6.89*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.14	2.97
		For Up To 25 LF, Add	*7.71*	
		For >25 To 100 LF, Add	*3.86*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.26	3.39
		For Up To 25 LF, Add	*8.52*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0082		**0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.88	2.49
		For Up To 25 LF, Add	*7.13*	
		For >25 To 100 LF, Add	*3.57*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.49	2.97
		For Up To 25 LF, Add	*7.95*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	46.72	3.39
		For Up To 25 LF, Add	*8.76*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0086		**0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	42.55	2.49
		For Up To 25 LF, Add	*7.30*	
		For >25 To 100 LF, Add	*3.65*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	45.22	2.97
		For Up To 25 LF, Add	*8.12*	
		For >25 To 100 LF, Add	*4.06*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	48.54	3.39
		For Up To 25 LF, Add	*8.95*	
		For >25 To 100 LF, Add	*4.47*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0090		**Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0055)*		
07 71 19 00-0091		**0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	57.97	2.49
		For Up To 25 LF, Add	*8.84*	
		For >25 To 100 LF, Add	*4.42*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.52	2.97
		For Up To 25 LF, Add	*9.75*	
		For >25 To 100 LF, Add	*4.87*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	65.26	3.39
		For Up To 25 LF, Add	*10.62*	
		For >25 To 100 LF, Add	*5.31*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0095		**0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.24	2.49
		For Up To 25 LF, Add	*9.17*	
		For >25 To 100 LF, Add	*4.58*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	64.94	2.97
		For Up To 25 LF, Add	*10.09*	
		For >25 To 100 LF, Add	*5.05*	
		For >1,000 LF, Deduct	*-0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	68.84	3.39
		For Up To 25 LF, Add	*10.98*	
		For >25 To 100 LF, Add	*5.49*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	65.51	2.49
		For Up To 25 LF, Add	*9.60*	
		For >25 To 100 LF, Add	*4.80*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	69.02	2.97
		For Up To 25 LF, Add	*10.50*	
		For >25 To 100 LF, Add	*5.25*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	72.62	3.39
		For Up To 25 LF, Add	*11.35*	
		For >25 To 100 LF, Add	*5.68*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	68.40	2.49
		For Up To 25 LF, Add	*9.88*	
		For >25 To 100 LF, Add	*4.94*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	72.02	2.97
		For Up To 25 LF, Add	*10.80*	
		For >25 To 100 LF, Add	*5.40*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	75.74	3.39
		For Up To 25 LF, Add	*11.67*	
		For >25 To 100 LF, Add	*5.83*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	42.15	2.35
		For Up To 25 LF, Add	*6.98*	
		For >25 To 100 LF, Add	*3.49*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	55.32	2.76
		For Up To 25 LF, Add	*8.80*	
		For >25 To 100 LF, Add	*4.40*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	81.85	3.04
		For Up To 25 LF, Add	*11.89*	
		For >25 To 100 LF, Add	*5.94*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	52.37	2.35
		For Up To 25 LF, Add	*8.01*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	68.94	2.76
		For Up To 25 LF, Add	*10.16*	
		For >25 To 100 LF, Add	*5.08*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	102.28	3.04
		For Up To 25 LF, Add	*13.93*	
		For >25 To 100 LF, Add	*6.97*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	63.22	2.35
		For Up To 25 LF, Add	*9.09*	
		For >25 To 100 LF, Add	*4.55*	
		For >1,000 LF, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	83.42	2.76
		For Up To 25 LF, Add	*11.61*	
		For >25 To 100 LF, Add	*5.81*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	124.00	3.04
		For Up To 25 LF, Add	*16.10*	
		For >25 To 100 LF, Add	*8.05*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	49.76	2.49
		For Up To 25 LF, Add	*8.02*	
		For >25 To 100 LF, Add	*4.01*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	65.19	2.97
		For Up To 25 LF, Add	*10.12*	
		For >25 To 100 LF, Add	*5.06*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	94.53	3.39
		For Up To 25 LF, Add	*13.55*	
		For >25 To 100 LF, Add	*6.77*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	59.98	2.49
		For Up To 25 LF, Add	*9.04*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	78.81	2.97
		For Up To 25 LF, Add	*11.48*	
		For >25 To 100 LF, Add	*5.74*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	114.96	3.39
		For Up To 25 LF, Add	*15.59*	
		For >25 To 100 LF, Add	*7.79*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	70.83	2.49
		For Up To 25 LF, Add	*10.13*	
		For >25 To 100 LF, Add	*5.06*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	93.29	2.97
		For Up To 25 LF, Add	*12.93*	
		For >25 To 100 LF, Add	*6.46*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	136.68	3.39
		For Up To 25 LF, Add	*17.76*	
		For >25 To 100 LF, Add	*8.88*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	40.37	2.35
		For Up To 25 LF, Add	*6.81*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	41.85	2.76
		For Up To 25 LF, Add	*7.45*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	43.60	3.04
		For Up To 25 LF, Add	*8.06*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	46.13	2.49
		For Up To 25 LF, Add	*7.66*	
		For >25 To 100 LF, Add	*3.83*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	49.30	2.97
		For Up To 25 LF, Add	*8.53*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	53.16	3.39
		For Up To 25 LF, Add	*9.41*	
		For >25 To 100 LF, Add	*4.70*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	67.22	2.35
		For Up To 25 LF, Add	*9.49*	
		For >25 To 100 LF, Add	*4.75*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	76.98	2.76
		For Up To 25 LF, Add	*10.97*	
		For >25 To 100 LF, Add	*5.48*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	88.91	3.04
		For Up To 25 LF, Add	*12.60*	
		For >25 To 100 LF, Add	*6.30*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	81.52	2.35
		For Up To 25 LF, Add	*10.92*	
		For >25 To 100 LF, Add	*5.46*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	94.46	2.76
		For Up To 25 LF, Add	*12.71*	
		For >25 To 100 LF, Add	*6.36*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	107.98	3.04
		For Up To 25 LF, Add	*14.50*	
		For >25 To 100 LF, Add	*7.25*	
		For >1,000 LF, Deduct	*-0.93*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	69.97	2.49
		For Up To 25 LF, Add	*10.04*	
		For >25 To 100 LF, Add	*5.02*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	80.50	2.97
		For Up To 25 LF, Add	*11.65*	
		For >25 To 100 LF, Add	*5.82*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	93.38	3.39
		For Up To 25 LF, Add	*13.43*	
		For >25 To 100 LF, Add	*6.72*	
		For >1,000 LF, Deduct	*-1.02*	
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	84.27	2.49
		For Up To 25 LF, Add	*11.47*	
		For >25 To 100 LF, Add	*5.74*	
		For >1,000 LF, Deduct	*-0.76*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	97.99	2.97
		For Up To 25 LF, Add	*13.40*	
		For >25 To 100 LF, Add	*6.70*	
		For >1,000 LF, Deduct	*-0.90*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	112.45	3.39
		For Up To 25 LF, Add	*15.34*	
		For >25 To 100 LF, Add	*7.67*	
		For >1,000 LF, Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	49.24	3.46
		For Up To 25 LF, Add	*7.69*	
		For >25 To 100 LF, Add	*3.85*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	55.36	3.60
		For Up To 25 LF, Add	*8.42*	
		For >25 To 100 LF, Add	*4.21*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	59.28	3.74
		For Up To 25 LF, Add	*8.92*	
		For >25 To 100 LF, Add	*4.46*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	340.42	4.84
		For Up To 25 LF, Add	*37.92*	
		For >25 To 100 LF, Add	*18.96*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	363.56	4.84
		For Up To 25 LF, Add	*40.23*	
		For >25 To 100 LF, Add	*20.12*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	378.09	4.84
		For Up To 25 LF, Add	*41.69*	
		For >25 To 100 LF, Add	*20.84*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	277.42	4.84
		For Up To 25 LF, Add	*31.62*	
		For >25 To 100 LF, Add	*15.81*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	289.10	4.84
		For Up To 25 LF, Add	*32.79*	
		For >25 To 100 LF, Add	*16.39*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	296.21	4.84
		For Up To 25 LF, Add	*33.50*	
		For >25 To 100 LF, Add	*16.75*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.84	3.46
		For Up To 25 LF, Add	*5.35*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.11	3.60
		For Up To 25 LF, Add	*5.79*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.84	3.74
		For Up To 25 LF, Add	*6.07*	
		For >25 To 100 LF, Add	*3.04*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.08	3.46
		For Up To 25 LF, Add	*5.48*	
		For >25 To 100 LF, Add	*2.74*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	30.70	3.60
		For Up To 25 LF, Add	*5.95*	
		For >25 To 100 LF, Add	*2.98*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	32.63	3.74
		For Up To 25 LF, Add	*6.25*	
		For >25 To 100 LF, Add	*3.13*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	160.26	4.84
		For Up To 25 LF, Add	*19.90*	
		For >25 To 100 LF, Add	*9.95*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	173.63	4.84
		For Up To 25 LF, Add	*21.24*	
		For >25 To 100 LF, Add	*10.62*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	179.48	4.84
		For Up To 25 LF, Add	*21.82*	
		For >25 To 100 LF, Add	*10.91*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	127.29	4.84
		For Up To 25 LF, Add	*16.61*	
		For >25 To 100 LF, Add	*8.30*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	133.95	4.84
		For Up To 25 LF, Add	*17.27*	
		For >25 To 100 LF, Add	*8.64*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	136.87	4.84
		For Up To 25 LF, Add	*17.56*	
		For >25 To 100 LF, Add	*8.78*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.62	3.46
		For Up To 25 LF, Add	*5.73*	
		For >25 To 100 LF, Add	*2.87*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.49	3.60
		For Up To 25 LF, Add	*6.23*	
		For >25 To 100 LF, Add	*3.11*	
		For >1,000 LF, Deduct	*-0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.52	3.74
		For Up To 25 LF, Add	*6.54*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.11	3.46
		For Up To 25 LF, Add	*5.88*	
		For >25 To 100 LF, Add	*2.94*	
		For >1,000 LF, Deduct	*-0.69*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	35.40	3.60
		For Up To 25 LF, Add	*6.42*	
		For >25 To 100 LF, Add	*3.21*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	37.66	3.74
		For Up To 25 LF, Add	*6.75*	
		For >25 To 100 LF, Add	*3.38*	
		For >1,000 LF, Deduct	*-0.75*	
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	197.90	4.84
		For Up To 25 LF, Add	*23.67*	
		For >25 To 100 LF, Add	*11.83*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	214.62	4.84
		For Up To 25 LF, Add	*25.34*	
		For >25 To 100 LF, Add	*12.67*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	221.93	4.84
		For Up To 25 LF, Add	*26.07*	
		For >25 To 100 LF, Add	*13.03*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	156.69	4.84
		For Up To 25 LF, Add	*19.55*	
		For >25 To 100 LF, Add	*9.77*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	165.02	4.84
		For Up To 25 LF, Add	*20.38*	
		For >25 To 100 LF, Add	*10.19*	
		For >1,000 LF, Deduct	*-0.97*	
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	168.66	4.84
		For Up To 25 LF, Add	*20.74*	
		For >25 To 100 LF, Add	*10.37*	
		For >1,000 LF, Deduct	*-0.97*	

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001		Aluminum Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0002		Aluminum Gutters *(07 71 23 00-0001)* Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0003		K-Style Aluminum Gutters *(07 71 23 00-0002)*		
07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.27	4.93
		For Up To 100', Add	*2.35*	
		For >100' To 250', Add	*0.97*	
		For >1,000', Deduct	*-0.81*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.41*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	12.54	5.20
		For Up To 100', Add	*2.53*	
		For >100' To 250', Add	*1.05*	
		For >1,000', Deduct	*-0.85*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	11.72	4.93
		For Up To 100', Add	*2.39*	
		For >100' To 250', Add	*0.99*	
		For >1,000', Deduct	*-0.81*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.62*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	13.12	5.20
		For Up To 100', Add	*2.59*	
		For >100' To 250', Add	*1.08*	
		For >1,000', Deduct	*-0.85*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.07*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	24.02	5.46
		For Up To 100', Add	*3.78*	
		For >100' To 250', Add	*1.66*	
		For >1,000', Deduct	*-0.92*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.67*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	26.34	6.13
		For Up To 100', Add	*4.15*	
		For >100' To 250', Add	*1.82*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.29*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	29.47	6.13
		For Up To 100', Add	*4.47*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.70*	

07 71 23 00-0011 Half Round Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	20.34	4.93
		For Up To 100', Add	*3.25*	
		For >100' To 250', Add	*1.42*	
		For >1,000', Deduct	*-0.81*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.49*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	24.42	5.20
		For Up To 100', Add	*3.72*	
		For >100' To 250', Add	*1.65*	
		For >1,000', Deduct	*-0.85*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.15*	

07 71 23 00-0014 Box Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	21.46	6.13
		For Up To 100', Add	*3.67*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.10*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	21.51	6.13
		For Up To 100', Add	*3.67*	
		For >100' To 250', Add	*1.58*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.12*	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	24.97	6.53
		For Up To 100', Add	*4.12*	
		For >100' To 250', Add	*1.79*	
		For >1,000', Deduct	*-1.08*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.38*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	28.16	6.93
		For Up To 100', Add	*4.54*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-1.15*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.52*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.76	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.49*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.65	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.89*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.05	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.32*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	11.70	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.06*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.03	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.51*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.31	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.99*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	10.96	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.73*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	11.90	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.15*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	13.96	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.08*	

07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	22.10	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.89*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	29.34	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.72*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	87.25	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*32.37*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	94.71	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*35.24*	

07 71 23 00-0038 Half Round, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	37.95	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*11.02*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	59.50	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*20.30*	

07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	70.77	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*25.37*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	105.24	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*40.46*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	114.29	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*44.06*	

07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	16.73	3.33
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.41*	
		For 0.024" Thick, Add	*1.37*	
		For 0.027" Thick, Add	*2.84*	
		For 0.031" Thick, Add	*4.11*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	24.97	3.33
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.11*	
		For 0.024" Thick, Add	*2.52*	
		For 0.027" Thick, Add	*5.23*	
		For 0.031" Thick, Add	*7.57*	

07 71 23 00-0048 Aluminum Downspouts *(07 71 23 00-0001)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0049 Round Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	7.77	3.20
		For Up To 100', Add	*1.30*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.94*	
		For 0.024" Thick, Add	*0.60*	
		For 0.027" Thick, Add	*1.25*	
		For 0.031" Thick, Add	*1.81*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	8.78	3.20
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.39*	
		For 0.024" Thick, Add	*0.74*	
		For 0.027" Thick, Add	*1.54*	
		For 0.031" Thick, Add	*2.23*	

07 71 23 00-0052 Rectangular Aluminum Downspouts *(07 71 23 00-0048)*

07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.67	3.20
		For Up To 100', Add	*1.09*	
		For >100 To 250', Add	*0.46*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*0.99*	
		For 0.024" Thick, Add	*0.31*	
		For 0.027" Thick, Add	*0.64*	
		For 0.031" Thick, Add	*0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	6.95	3.20
		For Up To 100', Add	*1.21*	
		For >100 To 250', Add	*0.52*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.57*	
		For 0.024" Thick, Add	*0.49*	
		For 0.027" Thick, Add	*1.01*	
		For 0.031" Thick, Add	*1.47*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	12.36	3.20
		For Up To 100', Add	*1.76*	
		For >100 To 250', Add	*0.79*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.01*	
		For 0.024" Thick, Add	*1.25*	
		For 0.027" Thick, Add	*2.58*	
		For 0.031" Thick, Add	*3.74*	

07 71 23 00-0056 Aluminum Devices *(07 71 23 00-0001)*

07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	335.78	30.98
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*104.63*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	256.21	34.43
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*84.32*	

07 71 23 00-0059 Copper Gutters And Downspouts *(07 71 23)*

07 71 23 00-0060 Copper Gutters *(07 71 23 00-0059)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0061 K-Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	19.05	4.67
		For Up To 100', Add	*3.06*	
		For >100' To 250', Add	*1.34*	
		For >1,000', Deduct	*-0.77*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	26.53	4.93
		For Up To 100', Add	*3.87*	
		For >100' To 250', Add	*1.73*	
		For >1,000', Deduct	*-0.81*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	31.45	5.20
		For Up To 100', Add	*4.42*	
		For >100' To 250', Add	*2.00*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	33.14	4.93
		For Up To 100', Add	*4.53*	
		For >100' To 250', Add	*2.06*	
		For >1,000', Deduct	*-0.81*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	40.81	5.20
		For Up To 100', Add	*5.36*	
		For >100' To 250', Add	*2.47*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	47.53	5.46
		For Up To 100', Add	*6.13*	
		For >100' To 250', Add	*2.84*	
		For >1,000', Deduct	*-0.92*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	52.83	6.13
		For Up To 100', Add	*6.80*	
		For >100' To 250', Add	*3.15*	
		For >1,000', Deduct	*-1.01*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	23.08	4.93
		For Up To 100', Add	*3.53*	
		For >100' To 250', Add	*1.56*	
		For >1,000', Deduct	*-0.81*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	28.88	5.20
		For Up To 100', Add	*4.17*	
		For >100' To 250', Add	*1.87*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	47.51	5.46
		For Up To 100', Add	*6.13*	
		For >100' To 250', Add	*2.84*	
		For >1,000', Deduct	*-0.92*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	26.69	4.93
		For Up To 100', Add	*3.89*	
		For >100' To 250', Add	*1.74*	
		For >1,000', Deduct	*-0.81*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	32.72	5.20
		For Up To 100', Add	*4.55*	
		For >100' To 250', Add	*2.06*	
		For >1,000', Deduct	*-0.85*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	49.85	5.46
		For Up To 100', Add	*6.36*	
		For >100' To 250', Add	*2.95*	
		For >1,000', Deduct	*-0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	56.58	6.13
		For Up To 100', Add	*7.18*	
		For >100' To 250', Add	*3.34*	
		For >1,000', Deduct	*-1.01*	
07 71 23 00-0077		**Box Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	29.22	5.59
		For Up To 100', Add	*4.32*	
		For >100' To 250', Add	*1.93*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	31.72	6.13
		For Up To 100', Add	*4.69*	
		For >100' To 250', Add	*2.09*	
		For >1,000', Deduct	*-1.01*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	38.35	6.53
		For Up To 100', Add	*5.45*	
		For >100' To 250', Add	*2.46*	
		For >1,000', Deduct	*-1.08*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	39.16	6.93
		For Up To 100', Add	*5.64*	
		For >100' To 250', Add	*2.53*	
		For >1,000', Deduct	*-1.15*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	32.75	5.59
		For Up To 100', Add	*4.67*	
		For >100' To 250', Add	*2.10*	
		For >1,000', Deduct	*-0.93*	
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	35.24	6.13
		For Up To 100', Add	*5.04*	
		For >100' To 250', Add	*2.27*	
		For >1,000', Deduct	*-1.01*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	41.88	6.53
		For Up To 100', Add	*5.81*	
		For >100' To 250', Add	*2.63*	
		For >1,000', Deduct	*-1.08*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	42.69	6.93
		For Up To 100', Add	*5.99*	
		For >100' To 250', Add	*2.71*	
		For >1,000', Deduct	*-1.15*	
07 71 23 00-0086		**Copper Gutter End Caps** *(07 71 23 00-0059)*		
07 71 23 00-0087		**K-Style, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.57	
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.01	
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.44	
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	18.99	
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.04	
07 71 23 00-0093		**Half Round, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	7.85	
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	8.77	
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.00	
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	38.16	
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	44.98	
07 71 23 00-0099		**Box Style, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	14.66	
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	15.36	
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	16.07	
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	17.48	
07 71 23 00-0104		**Copper Gutter Miters** *(07 71 23 00-0059)*		
		Note: Inside or outside miters.		
07 71 23 00-0105		**K-Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	41.47	
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	46.85	
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	66.57	
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	93.27	
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	109.15	
07 71 23 00-0111		**Half Round, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	63.52	
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	59.07	
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	84.25	
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	100.14	
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	118.04	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0117		**Box Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	69.81	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	72.16	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	78.72	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	80.44	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	76.86	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	79.21	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	85.77	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	93.89	
07 71 23 00-0126		**Copper Gutter Wire Strainers** *(07 71 23 00-0059)*		
07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	21.75	3.33
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	26.62	3.33
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	42.51	3.33
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	56.34	3.33
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	67.93	3.33
07 71 23 00-0132		**Copper Downspouts** *(07 71 23 00-0059)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133		**Round Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	25.82	3.20
		For Up To 100', Add	*3.10*	
		For >100 To 250', Add	*1.46*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	18.19	3.20
		For Up To 100', Add	*2.34*	
		For >100 To 250', Add	*1.08*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	22.75	3.20
		For Up To 100', Add	*2.79*	
		For >100 To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	35.96	3.20
		For Up To 100', Add	*4.12*	
		For >100 To 250', Add	*1.97*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	46.04	3.20
		For Up To 100', Add	*5.12*	
		For >100 To 250', Add	*2.48*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	24.37	3.20
		For Up To 100', Add	*2.96*	
		For >100 To 250', Add	*1.39*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	31.42	3.20
		For Up To 100', Add	*3.66*	
		For >100 To 250', Add	*1.74*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	47.42	3.20
		For Up To 100', Add	*5.26*	
		For >100 To 250', Add	*2.54*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0142		**Square Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	12.81	3.20
		For Up To 100', Add	*1.80*	
		For >100 To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	15.84	3.20
		For Up To 100', Add	*2.10*	
		For >100 To 250', Add	*0.97*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	22.38	3.20
		For Up To 100', Add	*2.76*	
		For >100 To 250', Add	*1.29*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	14.68	3.20
		For Up To 100', Add	*1.99*	
		For >100 To 250', Add	*0.91*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	18.46	3.20
		For Up To 100', Add	*2.37*	
		For >100 To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	26.23	3.20
		For Up To 100', Add	*3.14*	
		For >100 To 250', Add	*1.48*	
		For >1,000', Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0149		**Rectangular Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	18.66	3.20
		For Up To 100', Add	*2.39*	
		For >100 To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	23.43	3.20
		For Up To 100', Add	*2.86*	
		For >100 To 250', Add	*1.34*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	33.04	3.20
		For Up To 100', Add	*3.82*	
		For >100 To 250', Add	*1.83*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	21.62	3.20
		For Up To 100', Add	*2.68*	
		For >100 To 250', Add	*1.25*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	27.53	3.20
		For Up To 100', Add	*3.27*	
		For >100 To 250', Add	*1.55*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	39.23	3.20
		For Up To 100', Add	*4.44*	
		For >100 To 250', Add	*2.13*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0156		**Copper Devices And Accessories** *(07 71 23 00-0059)*		
07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	230.56	30.98
07 71 23 00-0158	EA	Copper Leader/Conductor Head	311.18	34.43
07 71 23 00-0159	EA	Copper Eave Box	138.97	19.99
07 71 23 00-0160		**Galvanized Steel Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0161		**Galvanized Steel Gutters** *(07 71 23 00-0160)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162		**K-Style Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	15.21	4.93
		For Up To 100', Add	*2.74*	
		For >100' To 250', Add	*1.17*	
		For >1,000', Deduct	*-0.81*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.19*	
		For 24 Gauge, Add	*1.98*	
		For 22 Gauge, Add	*3.89*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	17.77	5.20
		For Up To 100', Add	*3.06*	
		For >100' To 250', Add	*1.32*	
		For >1,000', Deduct	*-0.85*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.16*	
		For 24 Gauge, Add	*2.59*	
		For 22 Gauge, Add	*5.08*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	37.61	5.46
		For Up To 100', Add	*5.14*	
		For >100' To 250', Add	*2.34*	
		For >1,000', Deduct	*-0.92*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.79*	
		For 24 Gauge, Add	*7.96*	
		For 22 Gauge, Add	*15.63*	
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	39.63	6.13
		For Up To 100', Add	*5.48*	
		For >100' To 250', Add	*2.49*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*13.28*	
		For 24 Gauge, Add	*8.26*	
		For 22 Gauge, Add	*16.23*	
07 71 23 00-0167		**Half Round Galvanized Steel Gutters** *(07 71 23 00-0161)*		
07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	22.52	4.93
		For Up To 100', Add	*3.47*	
		For >100' To 250', Add	*1.53*	
		For >1,000', Deduct	*-0.81*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.48*	
		For 24 Gauge, Add	*4.03*	
		For 22 Gauge, Add	*7.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	28.53	5.20
		For Up To 100', Add	*4.13*	
		For >100' To 250', Add	*1.85*	
		For >1,000', Deduct	*-0.85*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*9.00*	
		For 24 Gauge, Add	*5.60*	
		For 22 Gauge, Add	*11.00*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	72.90	5.46
		For Up To 100', Add	*8.67*	
		For >100' To 250', Add	*4.10*	
		For >1,000', Deduct	*-0.92*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*28.67*	
		For 24 Gauge, Add	*17.84*	
		For 22 Gauge, Add	*35.04*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	77.76	6.13
		For Up To 100', Add	*9.30*	
		For >100' To 250', Add	*4.39*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*30.43*	
		For 24 Gauge, Add	*18.94*	
		For 22 Gauge, Add	*37.20*	

07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	26.98	5.59
		For Up To 100', Add	*4.10*	
		For >100' To 250', Add	*1.82*	
		For >1,000', Deduct	*-0.93*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.94*	
		For 22 Gauge, Add	*3.88*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	31.74	6.13
		For Up To 100', Add	*4.69*	
		For >100' To 250', Add	*2.09*	
		For >1,000', Deduct	*-1.01*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*9.72*	
		For 22 Gauge, Add	*4.75*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	40.42	5.46
		For Up To 100', Add	*5.42*	
		For >100' To 250', Add	*2.48*	
		For >1,000', Deduct	*-0.92*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*14.05*	
		For 22 Gauge, Add	*6.87*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	44.79	6.93
		For Up To 100', Add	*6.20*	
		For >100' To 250', Add	*2.81*	
		For >1,000', Deduct	*-1.15*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*15.00*	
		For 22 Gauge, Add	*7.33*	

07 71 23 00-0177 Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*

07 71 23 00-0178 K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0179	EA	5", K-Style Galvanized Steel Gutter End Cap	6.91
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*1.91*
07 71 23 00-0180	EA	6", K-Style Galvanized Steel Gutter End Cap	8.03
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.41*
07 71 23 00-0181	EA	7", K-Style Galvanized Steel Gutter End Cap	17.92
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.86*
07 71 23 00-0182	EA	8", K-Style Galvanized Steel Gutter End Cap	26.19
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*10.58*

07 71 23 00-0183 Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0184	EA	5", Half Round Galvanized Steel Gutter End Cap	9.01
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.85*
07 71 23 00-0185	EA	6", Half Round Galvanized Steel Gutter End Cap	10.43
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.49*
07 71 23 00-0186	EA	7", Half Round Galvanized Steel Gutter End Cap	19.82
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.72*
07 71 23 00-0187	EA	8", Half Round Galvanized Steel Gutter End Cap	26.94
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*10.92*

07 71 23 00-0188 Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*

07 71 23 00-0189	EA	5", Box Style Galvanized Steel Gutter End Cap	16.50
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.22*
07 71 23 00-0190	EA	6", Box Style Galvanized Steel Gutter End Cap	19.96
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*7.78*
07 71 23 00-0191	EA	7", Box Style Galvanized Steel Gutter End Cap	22.41
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.88*
07 71 23 00-0192	EA	8", Box Style Galvanized Steel Gutter End Cap	30.17
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.38*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0193		**Galvanized Steel Gutter Miters** *(07 71 23 00-0160)*		
		Note: Inside or outside miters.		
07 71 23 00-0194		**K-Style, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0195	EA	5", K-Style Galvanized Steel Gutter Miter	42.19	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*12.93*	
07 71 23 00-0196	EA	6", K-Style Galvanized Steel Gutter Miter	69.37	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*24.74*	
07 71 23 00-0197	EA	7", K-Style Galvanized Steel Gutter Miter	111.99	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*43.50*	
07 71 23 00-0198	EA	8", K-Style Galvanized Steel Gutter Miter	126.00	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*49.32*	
07 71 23 00-0199		**Half Round, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0200	EA	5", Half Round Galvanized Steel Gutter Miter	58.43	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*20.24*	
07 71 23 00-0201	EA	6", Half Round Galvanized Steel Gutter Miter	65.78	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*23.12*	
07 71 23 00-0202	EA	7", Half Round Galvanized Steel Gutter Miter	190.03	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*78.62*	
07 71 23 00-0203	EA	8", Half Round Galvanized Steel Gutter Miter	200.81	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*82.99*	
07 71 23 00-0204		**Box Style, Galvanized Steel Gutter Miters** *(07 71 23 00-0193)*		
07 71 23 00-0205	EA	5", Box Style Galvanized Steel Gutter Miter	55.18	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*18.77*	
07 71 23 00-0206	EA	6", Box Style Galvanized Steel Gutter Miter	90.87	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*34.41*	
07 71 23 00-0207	EA	7", Box Style Galvanized Steel Gutter Miter	118.46	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*46.41*	
07 71 23 00-0208	EA	8", Box Style Galvanized Steel Gutter Miter	126.00	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*49.32*	
07 71 23 00-0209		**Galvanized Steel Gutter Wire Strainers** *(07 71 23 00-0160)*		
07 71 23 00-0210	EA	3" Diameter, Round Galvanized Steel Wire Strainer	14.73	3.33
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.51*	
07 71 23 00-0211	EA	4" Diameter, Round Galvanized Steel Wire Strainer	21.38	3.33
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*6.50*	
07 71 23 00-0212		**Galvanized Steel Downspouts** *(07 71 23 00-0160)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0213		**Round Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.63	3.20
		For Up To 100', Add	*1.38*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.33*	
		For 24 Gauge, Add	*1.45*	
		For 22 Gauge, Add	*2.84*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	10.84	3.20
		For Up To 100', Add	*1.60*	
		For >100 To 250', Add	*0.72*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.32*	
		For 24 Gauge, Add	*2.07*	
		For 22 Gauge, Add	*4.06*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	14.93	3.20
		For Up To 100', Add	*2.01*	
		For >100 To 250', Add	*0.92*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*5.16*	
		For 24 Gauge, Add	*3.21*	
		For 22 Gauge, Add	*6.31*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	33.80	3.20
		For Up To 100', Add	*3.90*	
		For >100 To 250', Add	*1.86*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*13.65*	
		For 24 Gauge, Add	*8.50*	
		For 22 Gauge, Add	*16.69*	
07 71 23 00-0218		**Square Galvanized Steel Downspouts** *(07 71 23 00-0212)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.86	3.20
		For Up To 100', Add	*1.51*	
		For >100 To 250', Add	*0.67*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.88*	
		For 24 Gauge, Add	*1.79*	
		For 22 Gauge, Add	*3.52*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	12.77	3.20
		For Up To 100', Add	*1.80*	
		For >100 To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*4.19*	
		For 24 Gauge, Add	*2.61*	
		For 22 Gauge, Add	*5.12*	

07 71 23 00-0221 Rectangular Galvanized Steel Downspouts *(07 71 23 00-0212)*

07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.80	3.20
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*2.40*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*2.94*	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	11.34	3.20
		For Up To 100', Add	*1.65*	
		For >100 To 250', Add	*0.74*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*3.55*	
		For 24 Gauge, Add	*2.21*	
		For 22 Gauge, Add	*4.33*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	21.49	3.20
		For Up To 100', Add	*2.67*	
		For >100 To 250', Add	*1.25*	
		For >1,000', Deduct	*-0.35*	
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*8.11*	
		For 24 Gauge, Add	*5.05*	
		For 22 Gauge, Add	*9.92*	

07 71 23 00-0225 Galvanized Steel Devices *(07 71 23 00-0160)*

07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	398.91	34.43
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*148.53*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	200.34	30.98
		For Polyvinylidene Fluoride (PVDF) Resin (Kynar 500®) Finish, Add	*43.68*	

07 71 23 00-0228 Stainless Steel Gutters And Downspouts *(07 71 23)*

Note: AISI type 304 stainless steel.

07 71 23 00-0229 Stainless Steel Gutters *(07 71 23 00-0228)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0230 K-Style, Stainless Steel Gutters *(07 71 23 00-0229)*

07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	38.70	4.93
		For Up To 100', Add	*5.09*	
		For >100' To 250', Add	*2.34*	
		For >1,000', Deduct	*-0.81*	
		For 316 Stainless Steel, Add	*11.62*	
		For 24 Gauge, Add	*10.09*	
		For 22 Gauge, Add	*20.18*	
		For 20 Gauge, Add	*30.26*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	46.75	5.20
		For Up To 100', Add	*5.95*	
		For >100' To 250', Add	*2.76*	
		For >1,000', Deduct	*-0.85*	
		For 316 Stainless Steel, Add	*14.52*	
		For 24 Gauge, Add	*12.61*	
		For 22 Gauge, Add	*25.23*	
		For 20 Gauge, Add	*37.84*	
07 71 23 00-0233	LF	7", 26 Gauge, K-Style Stainless Steel Gutter	53.75	5.46
		For Up To 100', Add	*6.75*	
		For >100' To 250', Add	*3.15*	
		For >1,000', Deduct	*-0.92*	
		For 316 Stainless Steel, Add	*16.93*	
		For 24 Gauge, Add	*14.70*	
		For 22 Gauge, Add	*29.41*	
		For 20 Gauge, Add	*44.11*	
		For Seamless Gutter, Add	*-0.85*	
		For 28 Gauge, Deduct	*-7.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0234	LF	8", 26 Gauge, K-Style Stainless Steel Gutter	60.30	6.13
		For Up To 100', Add	*7.55*	
		For >100' To 250', Add	*3.52*	
		For >1,000', Deduct	*-1.01*	
		For 316 Stainless Steel, Add	*19.06*	
		For 24 Gauge, Add	*16.56*	
		For 22 Gauge, Add	*33.11*	
		For 20 Gauge, Add	*49.67*	
		For 28 Gauge, Deduct	*-8.53*	
		For Elevated Installation >15' To 20', Add	*1.01*	
		For Elevated Installation >20' To 25', Add	*1.52*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30', Add	*3.04*	
07 71 23 00-0235		Half Round, Stainless Steel Gutters *(07 71 23 00-0229)*		
07 71 23 00-0236	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	54.41	4.93
		For Up To 100', Add	*6.66*	
		For >100' To 250', Add	*3.13*	
		For >1,000', Deduct	*-0.81*	
		For 316 Stainless Steel, Add	*17.59*	
		For 24 Gauge, Add	*15.27*	
		For 22 Gauge, Add	*30.54*	
		For 20 Gauge, Add	*45.82*	
07 71 23 00-0237	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	66.29	5.20
		For Up To 100', Add	*7.91*	
		For >100' To 250', Add	*3.74*	
		For >1,000', Deduct	*-0.85*	
		For 316 Stainless Steel, Add	*21.95*	
		For 24 Gauge, Add	*19.06*	
		For 22 Gauge, Add	*38.12*	
		For 20 Gauge, Add	*57.18*	
07 71 23 00-0238		Box Style, Stainless Steel Gutters *(07 71 23 00-0229)*		
07 71 23 00-0239	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	52.92	5.59
		For Up To 100', Add	*6.69*	
		For >100' To 250', Add	*3.11*	
		For >1,000', Deduct	*-0.93*	
		For 316 Stainless Steel, Add	*16.56*	
		For 24 Gauge, Add	*14.38*	
		For 22 Gauge, Add	*28.77*	
		For 20 Gauge, Add	*43.15*	
		For Seamless Gutter, Add	*-0.78*	
07 71 23 00-0240	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	64.89	6.13
		For Up To 100', Add	*8.01*	
		For >100' To 250', Add	*3.75*	
		For >1,000', Deduct	*-1.01*	
		For 316 Stainless Steel, Add	*20.81*	
		For 24 Gauge, Add	*18.07*	
		For 22 Gauge, Add	*36.14*	
		For 20 Gauge, Add	*54.21*	
		For Seamless Gutter, Add	*-1.22*	
07 71 23 00-0241	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	76.96	6.53
		For Up To 100', Add	*9.31*	
		For >100' To 250', Add	*4.39*	
		For >1,000', Deduct	*-1.08*	
		For 316 Stainless Steel, Add	*25.14*	
		For 24 Gauge, Add	*21.84*	
		For 22 Gauge, Add	*43.67*	
		For 20 Gauge, Add	*65.51*	
		For Seamless Gutter, Add	*-1.69*	
07 71 23 00-0242	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	83.76	6.93
		For Up To 100', Add	*10.10*	
		For >100' To 250', Add	*4.76*	
		For >1,000', Deduct	*-1.15*	
		For 316 Stainless Steel, Add	*27.47*	
		For 24 Gauge, Add	*23.86*	
		For 22 Gauge, Add	*47.72*	
		For 20 Gauge, Add	*71.58*	
		For Seamless Gutter, Add	*-1.90*	
07 71 23 00-0243		Stainless Steel Gutter End Caps *(07 71 23 00-0228)*		
07 71 23 00-0244		K-Style, Stainless Steel Gutter End Caps *(07 71 23 00-0243)*		
07 71 23 00-0245	EA	5", K-Style Stainless Steel Gutter End Cap	12.23	
		For 316 Stainless Steel, Add	*3.63*	
07 71 23 00-0246	EA	6", K-Style Stainless Steel Gutter End Cap	14.14	
		For 316 Stainless Steel, Add	*4.36*	
07 71 23 00-0247	EA	7", K-Style Stainless Steel Gutter End Cap	16.59	
		For 316 Stainless Steel, Add	*5.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0248	EA	8", K-Style Stainless Steel Gutter End Cap	18.80	
		For 316 Stainless Steel, Add	*5.80*	
		For Elevated Installation >15' To 20', Add	*0.35*	
		For Elevated Installation >20' To 25', Add	*0.53*	
		For Elevated Installation >25' To 30', Add	*0.80*	
		For Elevated Installation >30', Add	*1.06*	

07 71 23 00-0249 Half Round, Stainless Steel Gutter End Caps *(07 71 23 00-0243)*

07 71 23 00-0250	EA	5", Half Round Stainless Steel Gutter End Cap	14.62	
		For 316 Stainless Steel, Add	*4.54*	
07 71 23 00-0251	EA	6", Half Round Stainless Steel Gutter End Cap	17.01	
		For 316 Stainless Steel, Add	*5.45*	

07 71 23 00-0252 Box Style, Stainless Steel Gutter End Caps *(07 71 23 00-0243)*

07 71 23 00-0253	EA	5", Box Style Stainless Steel Gutter End Cap	15.28	
		For 316 Stainless Steel, Add	*4.54*	
07 71 23 00-0254	EA	6", Box Style Stainless Steel Gutter End Cap	17.67	
		For 316 Stainless Steel, Add	*5.45*	
07 71 23 00-0255	EA	7", Box Style Stainless Steel Gutter End Cap	18.60	
		For 316 Stainless Steel, Add	*5.89*	
07 71 23 00-0256	EA	8", Box Style Stainless Steel Gutter End Cap	22.62	
		For 316 Stainless Steel, Add	*7.25*	

07 71 23 00-0257 Stainless Steel Gutter Miters *(07 71 23 00-0228)*

Note: Inside or outside box miters.

07 71 23 00-0258 K-Style, Stainless Steel Gutter Miters *(07 71 23 00-0257)*

07 71 23 00-0259	EA	5", K-Style Stainless Steel Gutter Miter	62.86	
		For 316 Stainless Steel, Add	*18.77*	
07 71 23 00-0260	EA	6", K-Style Stainless Steel Gutter Miter	102.05	
		For 316 Stainless Steel, Add	*33.31*	
07 71 23 00-0261	EA	7", K-Style Stainless Steel Gutter Miter	118.31	
		For 316 Stainless Steel, Add	*39.14*	
07 71 23 00-0262	EA	8", K-Style Stainless Steel Gutter Miter	132.96	
		For 316 Stainless Steel, Add	*44.30*	
		For Elevated Installation >15' To 20', Add	*1.64*	
		For Elevated Installation >20' To 25', Add	*2.46*	
		For Elevated Installation >25' To 30', Add	*3.69*	
		For Elevated Installation >30', Add	*4.92*	

07 71 23 00-0263 Half Round, Stainless Steel Gutter Miters *(07 71 23 00-0257)*

07 71 23 00-0264	EA	5", Half Round Stainless Steel Gutter Miter	158.48	
		For 316 Stainless Steel, Add	*55.11*	
07 71 23 00-0265	EA	6", Half Round Stainless Steel Gutter Miter	194.41	
		For 316 Stainless Steel, Add	*68.40*	

07 71 23 00-0266 Box-Style, Stainless Steel Gutter Miters *(07 71 23 00-0257)*

07 71 23 00-0267	EA	5", Box-Style Stainless Steel Gutter Miter	72.74	
		For 316 Stainless Steel, Add	*22.53*	
07 71 23 00-0268	EA	6", Box-Style Stainless Steel Gutter Miter	119.58	
		For 316 Stainless Steel, Add	*39.97*	
07 71 23 00-0269	EA	7", Box-Style Stainless Steel Gutter Miter	138.03	
		For 316 Stainless Steel, Add	*46.63*	
07 71 23 00-0270	EA	8", Box-Style Stainless Steel Gutter Miter	156.63	
		For 316 Stainless Steel, Add	*53.29*	

07 71 23 00-0271 Stainless Steel Gutter Wire Strainers *(07 71 23 00-0228)*

07 71 23 00-0272	EA	3" Diameter, Round Stainless Steel Wire Strainer	48.88	3.33
07 71 23 00-0273	EA	4" Diameter, Round Stainless Steel Wire Strainer	50.02	3.33

07 71 23 00-0274 Stainless Steel Downspouts *(07 71 23 00-0228)*

Note: Includes elbows, hangers and fasteners.

07 71 23 00-0275 Round Stainless Steel Downspouts *(07 71 23 00-0274)*

07 71 23 00-0276	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	23.21	3.20
		For Up To 100', Add	*2.84*	
		For >100 To 250', Add	*1.33*	
		For >1,000', Deduct	*-0.35*	
		For 316 Stainless Steel, Add	*7.51*	
		For 24 Gauge, Add	*6.52*	
		For 22 Gauge, Add	*13.04*	
		For 20 Gauge, Add	*19.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0277	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	30.87	3.20
		For Up To 100', Add	*3.61*	
		For >100 To 250', Add	*1.72*	
		For >1,000', Deduct	*-0.35*	
		For 316 Stainless Steel, Add	*10.42*	
		For 24 Gauge, Add	*9.05*	
		For 22 Gauge, Add	*18.09*	
		For 20 Gauge, Add	*27.14*	
07 71 23 00-0278	LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	45.34	3.20
		For Up To 100', Add	*5.05*	
		For >100 To 250', Add	*2.44*	
		For >1,000', Deduct	*-0.35*	
		For 316 Stainless Steel, Add	*15.91*	
		For 24 Gauge, Add	*13.82*	
		For 22 Gauge, Add	*27.64*	
		For 20 Gauge, Add	*41.46*	

07 71 23 00-0279 Rectangular Stainless Steel Downspouts *(07 71 23 00-0274)*

07 71 23 00-0280	LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	23.78	3.20
		For Up To 100', Add	*2.90*	
		For >100 To 250', Add	*1.36*	
		For >1,000', Deduct	*-0.35*	
		For 316 Stainless Steel, Add	*7.72*	
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*13.41*	
		For 20 Gauge, Add	*20.12*	
07 71 23 00-0281	LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	32.02	3.20
		For Up To 100', Add	*3.72*	
		For >100 To 250', Add	*1.77*	
		For >1,000', Deduct	*-0.35*	
		For 316 Stainless Steel, Add	*10.85*	
		For 24 Gauge, Add	*9.42*	
		For 22 Gauge, Add	*18.85*	
		For 20 Gauge, Add	*28.27*	
07 71 23 00-0282	LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	41.66	3.20
		For Up To 100', Add	*4.69*	
		For >100 To 250', Add	*2.26*	
		For >1,000', Deduct	*-0.35*	
		For 316 Stainless Steel, Add	*14.52*	
		For 24 Gauge, Add	*12.61*	
		For 22 Gauge, Add	*25.21*	
		For 20 Gauge, Add	*37.82*	
07 71 23 00-0283	LF	5" x 6", 26 Gauge, Rectangular Stainless Steel Downspout	50.84	3.90
		For Up To 100', Add	*5.72*	
		For >100 To 250', Add	*2.75*	
		For >1,000', Deduct	*-0.42*	
		For 316 Stainless Steel, Add	*17.71*	
		For 24 Gauge, Add	*15.38*	
		For 22 Gauge, Add	*30.76*	
		For 20 Gauge, Add	*46.14*	
		For 28 Gauge, Deduct	*-7.92*	
		For 18 Gauge, Add	*77.37*	
07 71 23 00-0284	LF	6" x 7", 26 Gauge, Rectangular Stainless Steel Downspout	64.54	4.96
		For Up To 100', Add	*7.25*	
		For >100 To 250', Add	*3.49*	
		For >1,000', Deduct	*-0.53*	
		For 316 Stainless Steel, Add	*22.50*	
		For 24 Gauge, Add	*19.54*	
		For 22 Gauge, Add	*39.08*	
		For 20 Gauge, Add	*58.62*	
		For 28 Gauge, Deduct	*-10.07*	
		For 18 Gauge, Add	*98.29*	

07 71 23 00-0285 Stainless Steel Devices *(07 71 23 00-0228)*

07 71 23 00-0286	EA	Thru-Wall Stainless Steel Scupper Outlet	279.96	29.99
		For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0287	EA	Stainless Steel Leader/Conductor Head	528.73	29.99
		For 316 Stainless Steel, Add	*175.60*	

07 71 23 00-0288 Vinyl Gutters And Downspouts *(07 71 23)*

07 71 23 00-0289 Vinyl Gutters *(07 71 23 00-0288)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0290 K-Style Vinyl Gutters *(07 71 23 00-0289)*

07 71 23 00-0291	LF	4", K-Style Vinyl Gutter	12.59	3.33
		For Up To 100', Add	*2.09*	
		For >100' To 250', Add	*0.91*	
		For >1,000', Deduct	*-0.56*	
07 71 23 00-0292	LF	5", K-Style Vinyl Gutter	16.22	3.33
		For Up To 100', Add	*2.45*	
		For >100' To 250', Add	*1.09*	
		For >1,000', Deduct	*-0.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0293		Half Round Vinyl Gutters *(07 71 23 00-0289)*		
07 71 23 00-0294	LF	4", Half Round Vinyl Gutter	13.01	3.33
		For Up To 100', Add	*2.13*	
		For >100' To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.56*	
07 71 23 00-0295	LF	5", Half Round Vinyl Gutter	13.67	3.33
		For Up To 100', Add	*2.20*	
		For >100' To 250', Add	*0.96*	
		For >1,000', Deduct	*-0.56*	
07 71 23 00-0296		Vinyl Gutter End Caps *(07 71 23 00-0288)*		
07 71 23 00-0297		K-Style, Vinyl Gutter End Caps *(07 71 23 00-0296)*		
07 71 23 00-0298	EA	4", K-Style Vinyl Gutter End Cap	7.78	
07 71 23 00-0299	EA	5", K-Style Vinyl Gutter End Cap	10.79	
07 71 23 00-0300		Half Round, Vinyl Gutter End Caps *(07 71 23 00-0296)*		
07 71 23 00-0301	EA	4", Half Round Vinyl Gutter End Cap	8.89	
07 71 23 00-0302	EA	5", Half Round Vinyl Gutter End Cap	8.39	
07 71 23 00-0303		Vinyl Gutter Miters *(07 71 23 00-0288)*		
		Note: Inside or outside miters.		
07 71 23 00-0304		K-Style, Vinyl Gutter Miters *(07 71 23 00-0303)*		
07 71 23 00-0305	EA	4", K-Style Vinyl Gutter Miter	19.36	
07 71 23 00-0306	EA	5", K-Style Vinyl Gutter Miter	29.07	
07 71 23 00-0307		Half Round, Vinyl Gutter Miters *(07 71 23 00-0303)*		
07 71 23 00-0308	EA	4", Half Round Vinyl Gutter Miter	19.36	
07 71 23 00-0309	EA	5", Half Round Vinyl Gutter Miter	21.03	
07 71 23 00-0310		Vinyl Downspouts *(07 71 23 00-0288)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0311		Round Vinyl Downspouts *(07 71 23 00-0310)*		
07 71 23 00-0312	LF	2-1/2" Diameter, Round Vinyl Downspout	8.27	3.20
		For Up To 100', Add	*1.35*	
		For >100 To 250', Add	*0.59*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0313	LF	3" Diameter, Round Vinyl Downspout	8.62	3.20
		For Up To 100', Add	*1.38*	
		For >100 To 250', Add	*0.60*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0314		Square Vinyl Downspouts *(07 71 23 00-0310)*		
07 71 23 00-0315	LF	2-1/2", Square Vinyl Downspout	8.12	3.20
		For Up To 100', Add	*1.33*	
		For >100 To 250', Add	*0.58*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0316		Rectangular Vinyl Downspouts *(07 71 23 00-0310)*		
07 71 23 00-0317	LF	2" x 3", Rectangular Vinyl Downspout	10.39	3.20
		For Up To 100', Add	*1.56*	
		For >100 To 250', Add	*0.69*	
		For >1,000', Deduct	*-0.35*	
07 71 23 00-0318		Gutter And Downspout Boots *(07 71 23)*		
07 71 23 00-0319		Cast Iron Roof Drainage Downspout Boots *(07 71 23 00-0318)*		
07 71 23 00-0320	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	356.92	4.80
07 71 23 00-0321	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	465.47	4.80
07 71 23 00-0322	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	555.72	4.80
07 71 23 00-0323		Cast Iron Roof Drainage Downspout Boots With Cleanouts *(07 71 23 00-0318)*		
07 71 23 00-0324	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	617.19	4.80
07 71 23 00-0325	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	754.17	4.80
07 71 23 00-0326	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,369.28	4.80
07 71 23 00-0327		Wall Mounted Downspout Covers With Hinged Perforated Cover *(07 71 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0328	EA	3" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,233.99	32.30
		For Polished Brass Finish (-PB), Add	*116.94*	
		For Chrome Plated Finish (-CP), Add	*175.41*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0329	EA	4" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,255.52	43.07
		For Polished Brass Finish (-PB), Add	*116.94*	
		For Chrome Plated Finish (-CP), Add	*175.41*	
		For Vandal Proof (-U), Add	*58.47*	
07 71 23 00-0330	EA	6" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,346.88	55.92
		For Polished Brass Finish (-PB), Add	*123.50*	
		For Chrome Plated Finish (-CP), Add	*185.26*	
		For Vandal Proof (-U), Add	*61.75*	
07 71 23 00-0331	EA	8" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,435.68	70.61
		For Polished Brass Finish (-PB), Add	*129.45*	
		For Chrome Plated Finish (-CP), Add	*194.17*	
		For Vandal Proof (-U), Add	*64.72*	
07 71 23 00-0332	EA	10" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,543.72	86.99
		For Polished Brass Finish (-PB), Add	*136.98*	
		For Chrome Plated Finish (-CP), Add	*205.46*	
		For Vandal Proof (-U), Add	*68.49*	
07 71 23 00-0333	EA	12" Diameter PipeSize, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,695.85	121.44
		For Polished Brass Finish (-PB), Add	*145.30*	
		For Chrome Plated Finish (-CP), Add	*217.94*	
		For Vandal Proof (-U), Add	*72.65*	
07 71 23 00-0334	EA	15" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,872.81	168.89
		For Polished Brass Finish (-PB), Add	*153.50*	
		For Chrome Plated Finish (-CP), Add	*230.25*	
		For Vandal Proof (-U), Add	*76.75*	

07 71 23 00-0335 Wall Mounted Downspout Nozzle *(07 71 23)*

07 71 23 00-0336	EA	3" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	317.05	32.30
		For Nickel Bronze Finish (-NB), Add	*176.71*	
		For Polished Bronze Finish (-PB), Add	*138.84*	
		For Chrome Plated Finish (-CP), Add	*224.67*	
07 71 23 00-0337	EA	4" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	338.58	43.07
		For Nickel Bronze Finish (-NB), Add	*176.71*	
		For Polished Bronze Finish (-PB), Add	*138.84*	
		For Chrome Plated Finish (-CP), Add	*224.67*	
07 71 23 00-0338	EA	6" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	710.68	55.92
		For Nickel Bronze Finish (-NB), Add	*179.65*	
		For Polished Bronze Finish (-PB), Add	*101.80*	
		For Chrome Plated Finish (-CP), Add	*263.49*	
07 71 23 00-0339	EA	8" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,050.23	70.61
		For Nickel Bronze Finish (-NB), Add	*154.53*	
		For Polished Bronze Finish (-PB), Add	*118.17*	
		For Chrome Plated Finish (-CP), Add	*263.62*	
07 71 23 00-0340	EA	10" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,354.11	86.99
		For Nickel Bronze Finish (-NB), Add	*200.62*	
		For Polished Bronze Finish (-PB), Add	*153.42*	
		For Chrome Plated Finish (-CP), Add	*342.24*	
07 71 23 00-0341	EA	12" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,727.54	121.44
		For Nickel Bronze Finish (-NB), Add	*252.39*	
		For Polished Bronze Finish (-PB), Add	*193.00*	
		For Chrome Plated Finish (-CP), Add	*430.55*	

07 71 23 00-0342 Leaf Guards And Cleaning *(07 71 23)*

07 71 23 00-0343	LF	Aluminum Mesh Gutter Leaf Guard	5.09	1.15
		For Up To 100', Add	*0.85*	
		For >100' To 250', Add	*0.37*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0344	LF	Vinyl Mesh Gutter Leaf Guard	3.53	1.15
		For Up To 100', Add	*0.69*	
		For >100' To 250', Add	*0.29*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0345	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.37	1.43
		For Up To 100', Add	*2.17*	
		For >100' To 250', Add	*1.01*	
		For >1,000', Deduct	*-0.29*	
07 71 23 00-0346	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.64	1.43
		For Up To 100', Add	*2.90*	
		For >100' To 250', Add	*1.38*	
		For >1,000', Deduct	*-0.29*	
07 71 23 00-0347	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.23	1.43
		For Up To 100', Add	*1.66*	
		For >100' To 250', Add	*0.78*	
		For >1,000', Deduct	*-0.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0348	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	20.20	1.43
		For Up To 100', Add	*2.36*	
		For >100' To 250', Add	*1.12*	
		For >1,000', Deduct	*-0.23*	
07 71 23 00-0349	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	187.76	
07 71 23 00-0350	LF	Cleanout Roof Gutters And Downspouts	2.19	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*
Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.68	6.16
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.86	6.16
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.16	6.16
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.32	6.16
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	20.98	6.16
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	21.74	6.16

07 71 26 00-0010 KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.55	6.16
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	21.81	6.16
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.25	6.16
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.92	6.16
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	24.88	6.16
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	25.98	6.16

07 71 26 00-0017 Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0018 KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.29	6.16
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.92	6.16
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	17.55	6.16
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.00	6.16
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	19.01	6.16
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	20.48	6.16

07 71 26 00-0025 Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.85	6.16
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.25	6.16
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.65	6.16
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.94	6.16
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	16.59	6.16
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	17.53	6.16

07 71 26 00-0032 Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*

07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.99	6.16
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.58	6.16
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.16	6.16
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.58	6.16
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	18.52	6.16
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	19.87	6.16

07 71 26 00-0039 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0040 Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*

07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	22.06	6.16
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.36	6.16
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	23.79	6.16

07 71 26 00-0044 Copper Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0045 Copper Counter Flashing With Reglet *(07 71 26 00-0044)*

07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	51.75	6.16

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)* Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,084.03	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,099.97	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,196.61	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,257.73	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,302.91	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,572.31	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,105.29	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,199.26	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,233.81	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,247.10	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,529.78	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,674.25	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,321.52	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,444.74	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,473.97	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,618.43	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,739.00	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,880.81	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,473.97	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,589.20	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*110.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,736.34	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,762.92	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*299.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,910.04	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*324.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,118.58	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,126.55	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,223.18	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,292.28	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,342.78	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,604.20	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*276.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,129.21	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,271.02	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,324.17	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,385.30	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,572.31	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,727.40	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*296.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,353.41	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,471.31	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*249.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,513.84	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,660.96	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,789.49	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,939.28	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*330.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,513.84	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,631.72	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,781.52	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,816.07	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*310.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,968.51	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*139.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*336.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0052 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,137.18	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,145.15	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,236.47	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,313.54	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,372.01	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,641.41	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,145.15	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,236.47	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,372.01	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,435.80	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,604.20	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*276.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,761.95	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,374.67	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,410.83	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,540.41	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,692.85	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*289.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,821.38	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,976.49	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*140.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*337.67*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,540.41	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,660.96	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,816.07	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*310.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,850.62	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*131.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*316.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,008.38	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*344.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	
07 72 13 00-0076		14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,054.79	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,089.34	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,244.44	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,324.17	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,382.64	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*236.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,683.93	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,153.13	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,265.71	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,292.28	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,316.20	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,620.15	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,780.55	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*307.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,385.30	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*237.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,511.18	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,553.70	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,708.80	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*293.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,837.33	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*314.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,995.09	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.88*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*341.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,553.70	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,674.25	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,832.02	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.01*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*313.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,869.22	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*320.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,029.64	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*145.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*348.30*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0101 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,078.71	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,118.58	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,284.31	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*216.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,372.01	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,443.77	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,694.56	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,187.68	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,308.23	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,342.78	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,374.67	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.04*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,683.93	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*292.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,857.63	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*322.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,433.14	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*246.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,564.33	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.10*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*268.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,614.83	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,772.58	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*305.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,911.75	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*329.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,080.14	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*150.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*358.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,614.83	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,743.35	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*299.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,906.43	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*328.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,946.30	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*336.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,120.00	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*154.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*366.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,097.31	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,139.84	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-51.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.94*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,308.23	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,403.91	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-83.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*18.53*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,483.64	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*256.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,779.61	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-138.68*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-36.55*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.55*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,214.25	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*143.53*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,353.41	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-79.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*15.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*54.10*	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,401.25	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,411.88	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,731.77	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*128.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*302.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,910.78	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*333.39*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*33.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*171.79*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*226.25*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,465.03	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,494.79	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*254.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-123.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-30.44*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*14.94*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,654.70	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,820.42	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*133.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*315.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-68.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*3.76*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,959.58	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*142.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*338.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,138.61	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*156.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*370.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-235.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-92.59*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-15.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,654.70	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*286.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,791.18	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*309.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,951.61	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*337.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-231.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-120.56*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-54.75*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,999.45	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*146.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*346.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	
07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	2,178.47	461.04
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*160.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*378.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-292.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-179.10*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-33.85*	

07 72 13 00-0149 Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0001)*

Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.

07 72 13 00-0150 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,038.31	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.20*	
07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,184.38	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.41*	
07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,354.27	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.53*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.96*	
07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,470.90	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*254.28*	
07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,627.39	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*281.15*	

07 72 13 00-0156 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*

07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,252.20	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.98*	
07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,450.43	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*254.62*	
07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,544.68	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.04*	
07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,619.20	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.94*	
07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,812.20	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*136.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*318.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,813.00	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*232.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*513.84*	
07 72 13 00-0163		18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs *(07 72 13 00-0149)*		
07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,603.57	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*124.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*285.25*	
07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,806.28	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*145.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*325.79*	
07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,135.65	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*173.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*387.23*	
07 72 13 00-0167		Wood, Prefabricated Roof Curbs *(07 72 13)*		
		Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168		Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0167)*		
07 72 13 00-0169		2 x 6 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*		
07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	893.10	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*143.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	995.38	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,054.38	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.98*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,047.57	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,063.46	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,190.71	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,058.92	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,211.13	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,388.45	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*224.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,170.28	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.73*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,286.16	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,433.84	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0182 2 x 8 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	906.72	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*145.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,011.26	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,097.50	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,074.80	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,097.50	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,224.75	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,083.88	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,242.90	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,420.22	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.85*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,195.24	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*194.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,315.67	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*214.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,465.61	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	915.80	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*147.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,027.15	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,102.04	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,090.69	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,117.92	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,247.44	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,099.77	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,263.32	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,440.64	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.87*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*234.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,211.13	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.78*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,333.82	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.62*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*218.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,488.30	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	927.14	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,036.23	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,122.46	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,140.61	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.16*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,272.40	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,120.19	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,286.02	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,467.88	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,351.97	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	911.26	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.66*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,011.26	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,083.88	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.88*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,068.00	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.90*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,088.42	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,217.94	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,079.34	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,236.09	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,413.41	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,197.51	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,311.13	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,465.61	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*239.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	927.14	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,029.42	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*165.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,111.11	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,095.23	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,124.73	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,258.79	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.55*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*207.43*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,111.11	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.21*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,274.67	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,456.53	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,227.02	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.37*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*201.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,345.17	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*220.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,504.18	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	940.76	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,047.57	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.86*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*169.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,138.35	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,115.65	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*1.06*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.83*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,151.96	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*190.49*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,288.29	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*213.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,131.54	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,299.63	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,483.76	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.18*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,249.71	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.64*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*102.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*189.03*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,370.13	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.25*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*225.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,533.69	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*100.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*253.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*41.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*152.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*266.19*	

07 72 13 00-0258 2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	967.99	283.71
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-41.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*5.86*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.82*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,061.19	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.34*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-62.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.73*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.62*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,158.77	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*131.96*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*145.58*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,174.65	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*195.03*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*21.10*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*130.03*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*159.53*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,374.52	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.23*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*147.50*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*192.89*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,197.35	319.18
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-102.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-2.72*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*22.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,379.06	354.65
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-146.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-66.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*10.30*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,574.53	425.57
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*104.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*35.06*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*162.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*218.87*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,454.09	390.11
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*96.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-178.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-67.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*2.96*	

07 72 23 Relief Vents *(07 72)*

07 72 23 00-0001 Wind Driven Turbine Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0003	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	204.69	37.25
		For Curb Or Flange Base, Add	*223.24*	
07 72 23 00-0004	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	246.38	41.24
		For Curb Or Flange Base, Add	*245.00*	
07 72 23 00-0005	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	264.76	49.22
		For Curb Or Flange Base, Add	*271.34*	
07 72 23 00-0006	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	518.50	54.54
		For Curb Or Flange Base, Add	*445.79*	
07 72 23 00-0007	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	717.60	61.19
		For Curb Or Flange Base, Add	*482.17*	
07 72 23 00-0008	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	867.73	66.51
		For Curb Or Flange Base, Add	*523.61*	
07 72 23 00-0009	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,110.87	74.49
		For Curb Or Flange Base, Add	*643.55*	
07 72 23 00-0010	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,840.92	99.77
		For Curb Or Flange Base, Add	*1,063.47*	

07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*

07 72 23 00-0012	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	169.37	37.25
		For Curb Or Flange Base, Add	*204.87*	
07 72 23 00-0013	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	210.83	41.24
		For Curb Or Flange Base, Add	*225.78*	
07 72 23 00-0014	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	236.37	49.22
		For Curb Or Flange Base, Add	*251.07*	
07 72 23 00-0015	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	418.56	54.54
		For Curb Or Flange Base, Add	*424.27*	
07 72 23 00-0016	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	539.46	61.19
		For Curb Or Flange Base, Add	*453.86*	
07 72 23 00-0017	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	681.62	66.51
		For Curb Or Flange Base, Add	*510.90*	
07 72 23 00-0018	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	919.38	74.49
		For Curb Or Flange Base, Add	*616.22*	
07 72 23 00-0019	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,368.67	99.77
		For Curb Or Flange Base, Add	*924.47*	

07 72 23 00-0020 Stationary Siphon Ventilators *(07 72 23)*

Note: Excludes curb or flange base.

07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*

07 72 23 00-0022	EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	171.43	37.25
		For Curb Or Flange Base, Add	*223.24*	
07 72 23 00-0023	EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	227.35	41.24
		For Curb Or Flange Base, Add	*245.00*	
07 72 23 00-0024	EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	249.17	49.22
		For Curb Or Flange Base, Add	*271.34*	
07 72 23 00-0025	EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	433.15	54.54
		For Curb Or Flange Base, Add	*445.79*	
07 72 23 00-0026	EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	501.60	61.19
		For Curb Or Flange Base, Add	*482.17*	
07 72 23 00-0027	EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	715.09	66.51
		For Curb Or Flange Base, Add	*523.61*	
07 72 23 00-0028	EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	933.96	74.49
		For Curb Or Flange Base, Add	*643.55*	
07 72 23 00-0029	EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,355.61	99.77
		For Curb Or Flange Base, Add	*1,063.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0030		**Mill Finish Aluminum, Stationary Siphon Ventilators** *(07 72 23 00-0020)*		
07 72 23 00-0031	EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	162.92	37.25
		For Curb Or Flange Base, Add	*204.87*	
07 72 23 00-0032	EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	214.69	41.24
		For Curb Or Flange Base, Add	*225.78*	
07 72 23 00-0033	EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	239.61	49.22
		For Curb Or Flange Base, Add	*251.07*	
07 72 23 00-0034	EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	388.18	54.54
		For Curb Or Flange Base, Add	*424.27*	
07 72 23 00-0035	EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	487.85	61.19
		For Curb Or Flange Base, Add	*453.86*	
07 72 23 00-0036	EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	597.74	66.51
		For Curb Or Flange Base, Add	*510.90*	
07 72 23 00-0037	EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	854.89	74.49
		For Curb Or Flange Base, Add	*616.22*	
07 72 23 00-0038	EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,286.23	99.77
		For Curb Or Flange Base, Add	*924.47*	
07 72 23 00-0039		**Spun Aluminum, Stationary Mushroom Gravity Ventilators** *(07 72 23)*		
		Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	333.76	59.86
		For Backdraft Damper, Add	*175.19*	
		For Curb Base, Add	*260.19*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	411.55	66.51
		For Backdraft Damper, Add	*191.68*	
		For Curb Base, Add	*284.61*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	465.41	79.82
		For Backdraft Damper, Add	*261.75*	
		For Curb Base, Add	*360.90*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	567.82	87.80
		For Backdraft Damper, Add	*298.85*	
		For Curb Base, Add	*418.23*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,513.27	119.73
		For Backdraft Damper, Add	*375.11*	
		For Curb Base, Add	*550.63*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,848.38	138.35
		For Backdraft Damper, Add	*443.12*	
		For Curb Base, Add	*658.28*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,519.92	159.63
		For Backdraft Damper, Add	*443.12*	
		For Curb Base, Add	*684.72*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,544.53	172.94
		For Backdraft Damper, Add	*463.74*	
		For Curb Base, Add	*709.48*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,102.96	186.24
		For Backdraft Damper, Add	*515.26*	
		For Curb Base, Add	*798.15*	
07 72 23 00-0049		**Galvanized Steel, Stationary Gooseneck Ventilators** *(07 72 23)*		
		Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	723.00	66.51
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	841.82	87.80
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,216.34	119.73
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,917.98	138.35
07 72 23 00-0054		**Low Profile Vent For Shingles, Shake, Slate and Metal Roof** *(07 72 23)*		
07 72 23 00-0055	EA	Galvanized Steel, Low Profile Tapered Vents With 64.80 Square Inch Net Ventilation Area, 1/8" Noncombustable Stainless Steel Wire Filament Note: Includes fire caulking	300.31	117.27
07 72 26		**Ridge Vents** *(07 72)*		
07 72 26 00-0001		**Aluminum Ridge Vents** *(07 72 26)*		
07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	18.53	3.86
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	64.10	23.98
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	58.09	23.98
07 72 26 00-0005		**Galvanized Ridge Vents** *(07 72 26)*		
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	14.87	4.13
07 72 26 00-0007		**Stainless Steel Fire And Ember Continuous Soffit Vent** *(07 72 26)*		
07 72 26 00-0008	LF	2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	28.74	
07 72 26 00-0009	LF	2-1/2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	32.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 26 00-0010	LF	3" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	39.19	
07 72 26 00-0011	LF	3-1/2" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	43.66	
07 72 26 00-0012	LF	4" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	46.98	
07 72 26 00-0013	LF	5" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	54.98	
07 72 26 00-0014	LF	6" Fire And Ember Continuous Soffit Vent With 1/2" Nailing Flanges On Both Sides Note: Includes fire caulking on both nailing flanges	62.70	

07 72 29 Rafter Vent *(07 72)*

07 72 29 00-0001 Rafter Vent *(07 72 29)*

Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.

07 72 29 00-0002	EA	22" x 4' Rafter Vent	12.23	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	11.10	

07 72 33 Roof Hatches *(07 72)*

Note: Includes curb with integral insulation, lockable hatch and gaskets.

07 72 33 00-0001 Galvanized Steel Cover And Curb *(07 72 33)*

07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,014.41	169.70
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	1,435.98	188.55
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	2,469.73	257.13
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	1,405.91	188.55
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	1,583.44	209.52
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	2,549.54	285.77

07 72 33 00-0008 Aluminum Cover And Curb *(07 72 33)*

07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,039.34	169.70
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,326.73	188.55
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,346.87	257.13
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,290.95	188.55
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,212.08	209.52
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	2,467.35	285.77
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,427.56	188.55

07 72 33 00-0016 Steel, Plain, Primed *(07 72 33)*

07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	978.81	169.70
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,288.14	188.55
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	1,763.65	257.13
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,195.73	188.55
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	1,447.85	209.52
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	1,966.47	285.77

07 72 33 00-0023 Stainless Steel *(07 72 33)*

07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,211.07	169.70
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	6,161.27	188.55
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	9,268.40	257.13
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,941.86	188.55
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	10,465.91	209.52
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,716.69	285.77

07 72 33 00-0030 Removal And Reinstallation Of Roof Hatch *(07 72 33)*

Note: Includes storage, cleaning and supply materials.

07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch, All Types	521.95	

07 72 33 00-0032 Aluminum Cover And Galvanized Steel Curb *(07 72 33)*

07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,010.80	188.55
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,298.19	209.52
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,272.65	285.65
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,268.12	194.44
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,149.28	215.42

07 72 33 00-0038 Roof Hatch Accessories *(07 72 33)*

07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	609.38	88.38

07 72 33 00-0040 Roof Hatch Safety Railing *(07 72 33)*

Note: Included mounting bracket to attach to roof hatch

07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,146.13	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,227.85	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,284.07	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,485.97	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,718.96	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,479.35	

07 72 36 Smoke Vents *(07 72)*

07 72 36 00-0001 Fire Vent *(07 72 36)*

07 72 36 00-0002 Galvanized Steel Covers And Curb *(07 72 36 00-0001)*

07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,350.99	157.20
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	2,724.15	216.12
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,099.38	235.81
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,164.52	247.59
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,632.65	216.12
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,865.50	235.81
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,084.78	255.49
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,643.07	275.17
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,736.96	294.73
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,874.60	255.49
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	8,030.90	314.41
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,487.37	334.09

07 72 36 00-0015 Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0001)*

07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,085.40	157.20
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,407.86	216.12
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,705.65	235.81
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,803.25	247.59
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,710.44	216.12
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,442.11	235.81
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,682.78	255.49
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,598.06	275.17
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	5,009.10	294.73
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,482.97	255.49
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,534.33	314.41
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,458.08	334.09

07 72 36 00-0028 Aluminum Covers And Curb *(07 72 36 00-0001)*

07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,268.08	157.20
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,710.44	216.12
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	2,973.97	235.81
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,145.79	247.59
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,847.46	216.12
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,584.83	235.81
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,808.38	255.49
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,940.60	275.17
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,763.61	294.73
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,642.82	255.49
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	7,122.35	314.41
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,800.62	334.09

07 72 36 00-0041 Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*

07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,245.25	156.73
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,853.16	216.12
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,025.89	247.59
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,224.25	216.12
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,426.80	275.17

07 72 38 Roof Dormers *(07 72)*

07 72 38 13 Roof Dormer Vent *(07 72 38)*

07 72 38 13-0001 Copper Roof Dormer Vent *(07 72 38 13)*

Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.

07 72 38 13-0002 Half Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0003	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	477.94	75.96
07 72 38 13-0004	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	598.15	75.96
07 72 38 13-0005	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	734.51	75.96
07 72 38 13-0006	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	836.78	75.96
07 72 38 13-0007	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	958.78	75.96
07 72 38 13-0008	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,077.20	75.96
07 72 38 13-0009	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,197.41	75.96
07 72 38 13-0010	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,317.62	75.96
07 72 38 13-0011	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,437.83	75.96
07 72 38 13-0012	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,556.25	75.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0013	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,676.46	75.96
07 72 38 13-0014	EA	18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,796.67	75.96
07 72 38 13-0015	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	865.48	75.96
07 72 38 13-0016	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	985.70	75.96
07 72 38 13-0017	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,122.06	75.96
07 72 38 13-0018	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,224.32	75.96
07 72 38 13-0019	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,346.33	75.96
07 72 38 13-0020	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,464.75	75.96
07 72 38 13-0021	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,584.96	75.96
07 72 38 13-0022	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,705.17	75.96
07 72 38 13-0023	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,825.38	75.96
07 72 38 13-0024	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,943.80	75.96
07 72 38 13-0025	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,064.01	75.96
07 72 38 13-0026	EA	18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,184.22	75.96
07 72 38 13-0027	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	564.48	91.95
07 72 38 13-0028	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	684.69	91.95
07 72 38 13-0029	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	821.05	91.95
07 72 38 13-0030	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	923.32	91.95
07 72 38 13-0031	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,045.32	91.95
07 72 38 13-0032	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,163.74	91.95
07 72 38 13-0033	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,283.95	91.95
07 72 38 13-0034	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,404.16	91.95
07 72 38 13-0035	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,524.38	91.95
07 72 38 13-0036	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,642.79	91.95
07 72 38 13-0037	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,763.00	91.95
07 72 38 13-0038	EA	24" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,883.22	91.95
07 72 38 13-0039	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	952.03	91.95
07 72 38 13-0040	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,072.24	91.95
07 72 38 13-0041	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,208.60	91.95
07 72 38 13-0042	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,310.87	91.95
07 72 38 13-0043	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,432.87	91.95
07 72 38 13-0044	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,551.29	91.95
07 72 38 13-0045	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,671.50	91.95
07 72 38 13-0046	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,791.71	91.95
07 72 38 13-0047	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,911.92	91.95
07 72 38 13-0048	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,030.34	91.95
07 72 38 13-0049	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,150.55	91.95
07 72 38 13-0050	EA	24" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,270.76	91.95
07 72 38 13-0051	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	656.97	102.61
07 72 38 13-0052	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	777.18	102.61
07 72 38 13-0053	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	913.54	102.61
07 72 38 13-0054	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,015.81	102.61
07 72 38 13-0055	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,137.81	102.61
07 72 38 13-0056	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,256.23	102.61
07 72 38 13-0057	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,376.44	102.61
07 72 38 13-0058	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,496.65	102.61
07 72 38 13-0059	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,616.87	102.61
07 72 38 13-0060	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,735.28	102.61
07 72 38 13-0061	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,855.49	102.61
07 72 38 13-0062	EA	30" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,975.71	102.61
07 72 38 13-0063	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,044.52	102.61
07 72 38 13-0064	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,164.73	102.61
07 72 38 13-0065	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,301.09	102.61
07 72 38 13-0066	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,403.36	102.61
07 72 38 13-0067	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,525.36	102.61
07 72 38 13-0068	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,643.78	102.61
07 72 38 13-0069	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,763.99	102.61
07 72 38 13-0070	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,884.20	102.61
07 72 38 13-0071	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,004.41	102.61
07 72 38 13-0072	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,122.83	102.61
07 72 38 13-0073	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,243.04	102.61
07 72 38 13-0074	EA	30" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,363.25	102.61
07 72 38 13-0075	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	766.70	117.27
07 72 38 13-0076	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	886.91	117.27
07 72 38 13-0077	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,023.27	117.27
07 72 38 13-0078	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,125.54	117.27
07 72 38 13-0079	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,247.54	117.27
07 72 38 13-0080	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,365.96	117.27
07 72 38 13-0081	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,486.17	117.27
07 72 38 13-0082	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,606.38	117.27
07 72 38 13-0083	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,726.59	117.27
07 72 38 13-0084	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,845.01	117.27
07 72 38 13-0085	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,965.22	117.27
07 72 38 13-0086	EA	36" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,085.43	117.27
07 72 38 13-0087	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,154.24	117.27
07 72 38 13-0088	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,274.46	117.27
07 72 38 13-0089	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,410.81	117.27
07 72 38 13-0090	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,513.08	117.27
07 72 38 13-0091	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,635.09	117.27
07 72 38 13-0092	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,753.51	117.27
07 72 38 13-0093	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,873.72	117.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0094	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,993.93	117.27
07 72 38 13-0095	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,114.14	117.27
07 72 38 13-0096	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,232.56	117.27
07 72 38 13-0097	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,352.77	117.27
07 72 38 13-0098	EA	36" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,472.98	117.27
07 72 38 13-0099	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,088.90	130.60
07 72 38 13-0100	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,209.11	130.60
07 72 38 13-0101	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,345.47	130.60
07 72 38 13-0102	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,447.74	130.60
07 72 38 13-0103	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,569.75	130.60
07 72 38 13-0104	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,688.16	130.60
07 72 38 13-0105	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,808.38	130.60
07 72 38 13-0106	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,928.59	130.60
07 72 38 13-0107	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,048.80	130.60
07 72 38 13-0108	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,167.22	130.60
07 72 38 13-0109	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,287.43	130.60
07 72 38 13-0110	EA	42" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,407.64	130.60
07 72 38 13-0111	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,476.45	130.60
07 72 38 13-0112	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,596.66	130.60
07 72 38 13-0113	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,733.02	130.60
07 72 38 13-0114	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,835.29	130.60
07 72 38 13-0115	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,957.29	130.60
07 72 38 13-0116	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,075.71	130.60
07 72 38 13-0117	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,195.92	130.60
07 72 38 13-0118	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,316.13	130.60
07 72 38 13-0119	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,436.35	130.60
07 72 38 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,554.76	130.60
07 72 38 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,674.97	130.60
07 72 38 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,795.19	130.60
07 72 38 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,473.31	130.60
07 72 38 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,610.85	141.26
07 72 38 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,747.21	141.26
07 72 38 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,849.48	141.26
07 72 38 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,971.48	141.26
07 72 38 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,089.90	141.26
07 72 38 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,210.11	141.26
07 72 38 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,330.32	141.26
07 72 38 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,450.54	141.26
07 72 38 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,568.95	141.26
07 72 38 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,689.16	141.26
07 72 38 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,809.38	141.26
07 72 38 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,878.19	141.26
07 72 38 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,998.40	141.26
07 72 38 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,134.76	141.26
07 72 38 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,237.03	141.26
07 72 38 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,359.03	141.26
07 72 38 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,477.45	141.26
07 72 38 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,597.66	141.26
07 72 38 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,717.87	141.26
07 72 38 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,838.08	141.26
07 72 38 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,956.50	141.26
07 72 38 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,076.71	141.26
07 72 38 13-0146	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,196.92	141.26

07 72 38 13-0147 Third Round Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	720.07	117.27
07 72 38 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	840.28	117.27
07 72 38 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	976.64	117.27
07 72 38 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,078.91	117.27
07 72 38 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,200.91	117.27
07 72 38 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,319.33	117.27
07 72 38 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,439.54	117.27
07 72 38 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,559.75	117.27
07 72 38 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,679.96	117.27
07 72 38 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,798.38	117.27
07 72 38 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,918.59	117.27
07 72 38 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,038.80	117.27
07 72 38 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	946.13	117.27
07 72 38 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,066.35	117.27
07 72 38 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,202.71	117.27
07 72 38 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,304.97	117.27
07 72 38 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,426.98	117.27
07 72 38 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,545.40	117.27
07 72 38 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,665.61	117.27
07 72 38 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,785.82	117.27
07 72 38 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,906.03	117.27
07 72 38 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,024.45	117.27
07 72 38 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,144.66	117.27
07 72 38 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,264.87	117.27
07 72 38 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	820.06	130.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	940.27	130.60
07 72 38 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,076.63	130.60
07 72 38 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,178.90	130.60
07 72 38 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,300.90	130.60
07 72 38 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,419.32	130.60
07 72 38 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,539.53	130.60
07 72 38 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,659.74	130.60
07 72 38 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,779.96	130.60
07 72 38 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,898.37	130.60
07 72 38 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,018.58	130.60
07 72 38 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,138.80	130.60
07 72 38 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,046.13	130.60
07 72 38 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,166.34	130.60
07 72 38 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,302.70	130.60
07 72 38 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,404.97	130.60
07 72 38 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,526.97	130.60
07 72 38 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,645.39	130.60
07 72 38 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,765.60	130.60
07 72 38 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,885.81	130.60
07 72 38 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,006.02	130.60
07 72 38 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,124.44	130.60
07 72 38 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,244.65	130.60
07 72 38 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,364.86	130.60
07 72 38 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,047.19	130.60
07 72 38 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,184.73	141.26
07 72 38 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,321.09	141.26
07 72 38 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,423.36	141.26
07 72 38 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,545.36	141.26
07 72 38 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,663.78	141.26
07 72 38 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,783.99	141.26
07 72 38 13-0203	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,904.20	141.26
07 72 38 13-0204	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,024.41	141.26
07 72 38 13-0205	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,142.83	141.26
07 72 38 13-0206	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,263.04	141.26
07 72 38 13-0207	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,383.25	141.26
07 72 38 13-0208	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,290.59	141.26
07 72 38 13-0209	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,410.80	141.26
07 72 38 13-0210	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,547.16	141.26
07 72 38 13-0211	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,649.43	141.26
07 72 38 13-0212	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,771.43	141.26
07 72 38 13-0213	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,889.85	141.26
07 72 38 13-0214	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,010.06	141.26
07 72 38 13-0215	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,130.27	141.26
07 72 38 13-0216	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,250.48	141.26
07 72 38 13-0217	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,368.90	141.26
07 72 38 13-0218	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,489.11	141.26
07 72 38 13-0219	EA	48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,609.32	141.26

07 72 38 13-0220 Triangle Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0221	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	811.55	75.96
07 72 38 13-0222	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	931.76	75.96
07 72 38 13-0223	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,068.12	75.96
07 72 38 13-0224	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,170.39	75.96
07 72 38 13-0225	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,292.40	75.96
07 72 38 13-0226	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,410.81	75.96
07 72 38 13-0227	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,531.03	75.96
07 72 38 13-0228	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,651.24	75.96
07 72 38 13-0229	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,771.45	75.96
07 72 38 13-0230	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,889.87	75.96
07 72 38 13-0231	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,010.08	75.96
07 72 38 13-0232	EA	18" x 9" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,130.29	75.96
07 72 38 13-0233	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,199.10	75.96
07 72 38 13-0234	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,319.31	75.96
07 72 38 13-0235	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,455.67	75.96
07 72 38 13-0236	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,557.94	75.96
07 72 38 13-0237	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,679.94	75.96
07 72 38 13-0238	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,798.36	75.96
07 72 38 13-0239	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,918.57	75.96
07 72 38 13-0240	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,038.78	75.96
07 72 38 13-0241	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,159.00	75.96
07 72 38 13-0242	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,277.41	75.96
07 72 38 13-0243	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,397.62	75.96
07 72 38 13-0244	EA	18" x 9" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,517.84	75.96
07 72 38 13-0245	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	873.56	75.96
07 72 38 13-0246	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	993.77	75.96
07 72 38 13-0247	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,130.13	75.96
07 72 38 13-0248	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,232.40	75.96
07 72 38 13-0249	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,354.40	75.96
07 72 38 13-0250	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,472.82	75.96
07 72 38 13-0251	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,593.03	75.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0252	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,713.24	75.96
07 72 38 13-0253	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,833.46	75.96
07 72 38 13-0254	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,951.87	75.96
07 72 38 13-0255	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,072.08	75.96
07 72 38 13-0256	EA	18" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,192.30	75.96
07 72 38 13-0257	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,261.11	75.96
07 72 38 13-0258	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,381.32	75.96
07 72 38 13-0259	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,517.68	75.96
07 72 38 13-0260	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,619.95	75.96
07 72 38 13-0261	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,741.95	75.96
07 72 38 13-0262	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,860.37	75.96
07 72 38 13-0263	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,980.58	75.96
07 72 38 13-0264	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,100.79	75.96
07 72 38 13-0265	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,221.00	75.96
07 72 38 13-0266	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,339.42	75.96
07 72 38 13-0267	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,459.63	75.96
07 72 38 13-0268	EA	18" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,579.84	75.96
07 72 38 13-0269	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	978.89	91.95
07 72 38 13-0270	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,099.10	91.95
07 72 38 13-0271	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,235.46	91.95
07 72 38 13-0272	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,337.73	91.95
07 72 38 13-0273	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,459.73	91.95
07 72 38 13-0274	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,578.15	91.95
07 72 38 13-0275	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,698.36	91.95
07 72 38 13-0276	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,818.57	91.95
07 72 38 13-0277	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,938.78	91.95
07 72 38 13-0278	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,057.20	91.95
07 72 38 13-0279	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,177.41	91.95
07 72 38 13-0280	EA	24" x 12" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,297.62	91.95
07 72 38 13-0281	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,366.43	91.95
07 72 38 13-0282	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,486.64	91.95
07 72 38 13-0283	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,623.00	91.95
07 72 38 13-0284	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,725.27	91.95
07 72 38 13-0285	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,847.28	91.95
07 72 38 13-0286	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,965.70	91.95
07 72 38 13-0287	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,085.91	91.95
07 72 38 13-0288	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,206.12	91.95
07 72 38 13-0289	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,326.33	91.95
07 72 38 13-0290	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,444.75	91.95
07 72 38 13-0291	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,564.96	91.95
07 72 38 13-0292	EA	24" x 12" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,685.17	91.95
07 72 38 13-0293	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,089.12	91.95
07 72 38 13-0294	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,209.33	91.95
07 72 38 13-0295	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,345.69	91.95
07 72 38 13-0296	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,447.96	91.95
07 72 38 13-0297	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,569.97	91.95
07 72 38 13-0298	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,688.38	91.95
07 72 38 13-0299	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,808.60	91.95
07 72 38 13-0300	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,928.81	91.95
07 72 38 13-0301	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,049.02	91.95
07 72 38 13-0302	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,167.44	91.95
07 72 38 13-0303	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,287.65	91.95
07 72 38 13-0304	EA	24" x 16" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,407.86	91.95
07 72 38 13-0305	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,476.67	91.95
07 72 38 13-0306	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,596.88	91.95
07 72 38 13-0307	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,733.24	91.95
07 72 38 13-0308	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,835.51	91.95
07 72 38 13-0309	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,957.51	91.95
07 72 38 13-0310	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,075.93	91.95
07 72 38 13-0311	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,196.14	91.95
07 72 38 13-0312	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,316.35	91.95
07 72 38 13-0313	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,436.57	91.95
07 72 38 13-0314	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,554.98	91.95
07 72 38 13-0315	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,675.19	91.95
07 72 38 13-0316	EA	24" x 16" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,795.41	91.95
07 72 38 13-0317	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,182.24	102.61
07 72 38 13-0318	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,302.45	102.61
07 72 38 13-0319	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,438.81	102.61
07 72 38 13-0320	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,541.08	102.61
07 72 38 13-0321	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,663.08	102.61
07 72 38 13-0322	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,781.50	102.61
07 72 38 13-0323	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,901.71	102.61
07 72 38 13-0324	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,021.92	102.61
07 72 38 13-0325	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,142.14	102.61
07 72 38 13-0326	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,260.55	102.61
07 72 38 13-0327	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,380.76	102.61
07 72 38 13-0328	EA	30" x 15" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,500.98	102.61
07 72 38 13-0329	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,569.79	102.61
07 72 38 13-0330	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,690.00	102.61
07 72 38 13-0331	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,826.36	102.61
07 72 38 13-0332	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,928.63	102.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0333	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,050.63	102.61
07 72 38 13-0334	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,169.05	102.61
07 72 38 13-0335	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,289.26	102.61
07 72 38 13-0336	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,409.47	102.61
07 72 38 13-0337	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,529.68	102.61
07 72 38 13-0338	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,648.10	102.61
07 72 38 13-0339	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,768.31	102.61
07 72 38 13-0340	EA	30" x 15" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,888.52	102.61
07 72 38 13-0341	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,354.48	102.61
07 72 38 13-0342	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,474.69	102.61
07 72 38 13-0343	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,611.05	102.61
07 72 38 13-0344	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,713.32	102.61
07 72 38 13-0345	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,835.33	102.61
07 72 38 13-0346	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,953.74	102.61
07 72 38 13-0347	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,073.96	102.61
07 72 38 13-0348	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,194.17	102.61
07 72 38 13-0349	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,314.38	102.61
07 72 38 13-0350	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,432.80	102.61
07 72 38 13-0351	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,553.01	102.61
07 72 38 13-0352	EA	30" x 20" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,673.22	102.61
07 72 38 13-0353	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,742.03	102.61
07 72 38 13-0354	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,862.24	102.61
07 72 38 13-0355	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,998.60	102.61
07 72 38 13-0356	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,100.87	102.61
07 72 38 13-0357	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,222.87	102.61
07 72 38 13-0358	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,341.29	102.61
07 72 38 13-0359	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,461.50	102.61
07 72 38 13-0360	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,581.71	102.61
07 72 38 13-0361	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,701.93	102.61
07 72 38 13-0362	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,820.34	102.61
07 72 38 13-0363	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,940.55	102.61
07 72 38 13-0364	EA	30" x 20" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,060.77	102.61
07 72 38 13-0365	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,430.91	117.27
07 72 38 13-0366	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,551.12	117.27
07 72 38 13-0367	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,687.48	117.27
07 72 38 13-0368	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,789.75	117.27
07 72 38 13-0369	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,911.75	117.27
07 72 38 13-0370	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,030.17	117.27
07 72 38 13-0371	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,150.38	117.27
07 72 38 13-0372	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,270.59	117.27
07 72 38 13-0373	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,390.81	117.27
07 72 38 13-0374	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,509.22	117.27
07 72 38 13-0375	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,629.43	117.27
07 72 38 13-0376	EA	36" x 18" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,749.65	117.27
07 72 38 13-0377	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,818.46	117.27
07 72 38 13-0378	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,938.67	117.27
07 72 38 13-0379	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,075.03	117.27
07 72 38 13-0380	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,177.30	117.27
07 72 38 13-0381	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,299.30	117.27
07 72 38 13-0382	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,417.72	117.27
07 72 38 13-0383	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,537.93	117.27
07 72 38 13-0384	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,658.14	117.27
07 72 38 13-0385	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,778.35	117.27
07 72 38 13-0386	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,896.77	117.27
07 72 38 13-0387	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,016.98	117.27
07 72 38 13-0388	EA	36" x 18" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,137.19	117.27
07 72 38 13-0389	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,678.94	117.27
07 72 38 13-0390	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,799.15	117.27
07 72 38 13-0391	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,935.51	117.27
07 72 38 13-0392	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,037.78	117.27
07 72 38 13-0393	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,159.79	117.27
07 72 38 13-0394	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,278.20	117.27
07 72 38 13-0395	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,398.41	117.27
07 72 38 13-0396	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,518.63	117.27
07 72 38 13-0397	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,638.84	117.27
07 72 38 13-0398	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,757.25	117.27
07 72 38 13-0399	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,877.47	117.27
07 72 38 13-0400	EA	36" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,997.68	117.27
07 72 38 13-0401	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,066.49	117.27
07 72 38 13-0402	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,186.70	117.27
07 72 38 13-0403	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,323.06	117.27
07 72 38 13-0404	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,425.33	117.27
07 72 38 13-0405	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,547.33	117.27
07 72 38 13-0406	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,665.75	117.27
07 72 38 13-0407	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,785.96	117.27
07 72 38 13-0408	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,906.17	117.27
07 72 38 13-0409	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,026.38	117.27
07 72 38 13-0410	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,144.80	117.27
07 72 38 13-0411	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,265.01	117.27
07 72 38 13-0412	EA	36" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,385.22	117.27
07 72 38 13-0413	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,719.60	130.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0414	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,839.81	130.60
07 72 38 13-0415	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,976.17	130.60
07 72 38 13-0416	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,078.44	130.60
07 72 38 13-0417	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,200.44	130.60
07 72 38 13-0418	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,318.86	130.60
07 72 38 13-0419	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,439.07	130.60
07 72 38 13-0420	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,559.28	130.60
07 72 38 13-0421	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,679.50	130.60
07 72 38 13-0422	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,797.91	130.60
07 72 38 13-0423	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,918.12	130.60
07 72 38 13-0424	EA	42" x 21" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,038.34	130.60
07 72 38 13-0425	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,107.15	130.60
07 72 38 13-0426	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,227.36	130.60
07 72 38 13-0427	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,363.72	130.60
07 72 38 13-0428	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,465.99	130.60
07 72 38 13-0429	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,587.99	130.60
07 72 38 13-0430	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,706.41	130.60
07 72 38 13-0431	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,826.62	130.60
07 72 38 13-0432	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,946.83	130.60
07 72 38 13-0433	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,067.04	130.60
07 72 38 13-0434	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,185.46	130.60
07 72 38 13-0435	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,305.67	130.60
07 72 38 13-0436	EA	42" x 21" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,425.88	130.60
07 72 38 13-0437	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,057.20	130.17
07 72 38 13-0438	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,177.41	130.17
07 72 38 13-0439	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,313.77	130.17
07 72 38 13-0440	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,416.04	130.17
07 72 38 13-0441	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,538.04	130.17
07 72 38 13-0442	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,656.46	130.17
07 72 38 13-0443	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,776.67	130.17
07 72 38 13-0444	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,896.88	130.17
07 72 38 13-0445	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,017.09	130.17
07 72 38 13-0446	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,135.51	130.17
07 72 38 13-0447	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,255.72	130.17
07 72 38 13-0448	EA	42" x 28" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,375.93	130.17
07 72 38 13-0449	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,444.74	130.17
07 72 38 13-0450	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,564.95	130.17
07 72 38 13-0451	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,701.31	130.17
07 72 38 13-0452	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,803.58	130.17
07 72 38 13-0453	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,925.59	130.17
07 72 38 13-0454	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,044.01	130.17
07 72 38 13-0455	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,164.22	130.17
07 72 38 13-0456	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,284.43	130.17
07 72 38 13-0457	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,404.64	130.17
07 72 38 13-0458	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,523.06	130.17
07 72 38 13-0459	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,643.27	130.17
07 72 38 13-0460	EA	42" x 28" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,763.48	130.17
07 72 38 13-0461	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,029.64	130.17
07 72 38 13-0462	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,167.18	141.60
07 72 38 13-0463	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,303.54	141.60
07 72 38 13-0464	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,405.81	141.60
07 72 38 13-0465	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,527.81	141.60
07 72 38 13-0466	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,646.23	141.60
07 72 38 13-0467	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,766.44	141.60
07 72 38 13-0468	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,886.65	141.60
07 72 38 13-0469	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,006.86	141.60
07 72 38 13-0470	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,125.28	141.60
07 72 38 13-0471	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,245.49	141.60
07 72 38 13-0472	EA	48" x 24" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,365.70	141.60
07 72 38 13-0473	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,434.51	141.60
07 72 38 13-0474	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,554.73	141.60
07 72 38 13-0475	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,691.08	141.60
07 72 38 13-0476	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,793.35	141.60
07 72 38 13-0477	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,915.36	141.60
07 72 38 13-0478	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,033.78	141.60
07 72 38 13-0479	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,153.99	141.60
07 72 38 13-0480	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,274.20	141.60
07 72 38 13-0481	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,394.41	141.60
07 72 38 13-0482	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,512.83	141.60
07 72 38 13-0483	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,633.04	141.60
07 72 38 13-0484	EA	48" x 24" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,753.25	141.60
07 72 38 13-0485	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,470.58	130.17
07 72 38 13-0486	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,608.12	141.60
07 72 38 13-0487	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,744.48	141.60
07 72 38 13-0488	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,846.75	141.60
07 72 38 13-0489	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,968.75	141.60
07 72 38 13-0490	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,087.17	141.60
07 72 38 13-0491	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,207.38	141.60
07 72 38 13-0492	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,327.59	141.60
07 72 38 13-0493	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,447.81	141.60
07 72 38 13-0494	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,566.22	141.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0495	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,686.43	141.60
07 72 38 13-0496	EA	48" x 32" Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,806.65	141.60
07 72 38 13-0497	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,875.46	141.60
07 72 38 13-0498	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,995.67	141.60
07 72 38 13-0499	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,132.03	141.60
07 72 38 13-0500	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,234.30	141.60
07 72 38 13-0501	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,356.30	141.60
07 72 38 13-0502	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,474.72	141.60
07 72 38 13-0503	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,594.93	141.60
07 72 38 13-0504	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,715.14	141.60
07 72 38 13-0505	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,835.35	141.60
07 72 38 13-0506	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,953.77	141.60
07 72 38 13-0507	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,073.98	141.60
07 72 38 13-0508	EA	48" x 32" Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,194.19	141.60

07 72 38 13-0509 Arched Triangle Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0510	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	904.53	75.96
07 72 38 13-0511	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,024.74	75.96
07 72 38 13-0512	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,161.10	75.96
07 72 38 13-0513	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,263.37	75.96
07 72 38 13-0514	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,385.37	75.96
07 72 38 13-0515	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,503.79	75.96
07 72 38 13-0516	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,624.00	75.96
07 72 38 13-0517	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,744.21	75.96
07 72 38 13-0518	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,864.42	75.96
07 72 38 13-0519	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,982.84	75.96
07 72 38 13-0520	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,103.05	75.96
07 72 38 13-0521	EA	18" x 9" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,223.26	75.96
07 72 38 13-0522	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,292.07	75.96
07 72 38 13-0523	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,412.29	75.96
07 72 38 13-0524	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,548.64	75.96
07 72 38 13-0525	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,650.91	75.96
07 72 38 13-0526	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,772.92	75.96
07 72 38 13-0527	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,891.34	75.96
07 72 38 13-0528	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,011.55	75.96
07 72 38 13-0529	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,131.76	75.96
07 72 38 13-0530	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,251.97	75.96
07 72 38 13-0531	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,370.39	75.96
07 72 38 13-0532	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,490.60	75.96
07 72 38 13-0533	EA	18" x 9" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,610.81	75.96
07 72 38 13-0534	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	977.62	75.96
07 72 38 13-0535	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,097.83	75.96
07 72 38 13-0536	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,234.19	75.96
07 72 38 13-0537	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,336.46	75.96
07 72 38 13-0538	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,458.47	75.96
07 72 38 13-0539	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,576.89	75.96
07 72 38 13-0540	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,697.10	75.96
07 72 38 13-0541	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,817.31	75.96
07 72 38 13-0542	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,937.52	75.96
07 72 38 13-0543	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,055.94	75.96
07 72 38 13-0544	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,176.15	75.96
07 72 38 13-0545	EA	18" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,296.36	75.96
07 72 38 13-0546	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,365.17	75.96
07 72 38 13-0547	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,485.38	75.96
07 72 38 13-0548	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,621.74	75.96
07 72 38 13-0549	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,724.01	75.96
07 72 38 13-0550	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,846.02	75.96
07 72 38 13-0551	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,964.43	75.96
07 72 38 13-0552	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,084.64	75.96
07 72 38 13-0553	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,204.86	75.96
07 72 38 13-0554	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,325.07	75.96
07 72 38 13-0555	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,443.48	75.96
07 72 38 13-0556	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,563.70	75.96
07 72 38 13-0557	EA	18" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,683.91	75.96
07 72 38 13-0558	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,097.73	91.95
07 72 38 13-0559	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,217.94	91.95
07 72 38 13-0560	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,354.30	91.95
07 72 38 13-0561	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,456.57	91.95
07 72 38 13-0562	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,578.58	91.95
07 72 38 13-0563	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,697.00	91.95
07 72 38 13-0564	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,817.21	91.95
07 72 38 13-0565	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,937.42	91.95
07 72 38 13-0566	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,057.63	91.95
07 72 38 13-0567	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,176.05	91.95
07 72 38 13-0568	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,296.26	91.95
07 72 38 13-0569	EA	24" x 12" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,416.47	91.95
07 72 38 13-0570	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,485.28	91.95
07 72 38 13-0571	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,605.49	91.95
07 72 38 13-0572	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,741.85	91.95
07 72 38 13-0573	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,844.12	91.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0574	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,966.13	91.95
07 72 38 13-0575	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,084.54	91.95
07 72 38 13-0576	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,204.75	91.95
07 72 38 13-0577	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,324.97	91.95
07 72 38 13-0578	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,445.18	91.95
07 72 38 13-0579	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,563.59	91.95
07 72 38 13-0580	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,683.81	91.95
07 72 38 13-0581	EA	24" x 12" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,804.02	91.95
07 72 38 13-0582	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,227.69	91.95
07 72 38 13-0583	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,347.90	91.95
07 72 38 13-0584	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,484.26	91.95
07 72 38 13-0585	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,586.53	91.95
07 72 38 13-0586	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,708.53	91.95
07 72 38 13-0587	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,826.95	91.95
07 72 38 13-0588	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,947.16	91.95
07 72 38 13-0589	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,067.37	91.95
07 72 38 13-0590	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,187.58	91.95
07 72 38 13-0591	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,306.00	91.95
07 72 38 13-0592	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,426.21	91.95
07 72 38 13-0593	EA	24" x 16" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,546.42	91.95
07 72 38 13-0594	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,615.23	91.95
07 72 38 13-0595	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,735.45	91.95
07 72 38 13-0596	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,871.81	91.95
07 72 38 13-0597	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,974.07	91.95
07 72 38 13-0598	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,096.08	91.95
07 72 38 13-0599	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,214.50	91.95
07 72 38 13-0600	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,334.71	91.95
07 72 38 13-0601	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,454.92	91.95
07 72 38 13-0602	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,575.13	91.95
07 72 38 13-0603	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,693.55	91.95
07 72 38 13-0604	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,813.76	91.95
07 72 38 13-0605	EA	24" x 16" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,933.97	91.95
07 72 38 13-0606	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,334.37	102.61
07 72 38 13-0607	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,454.58	102.61
07 72 38 13-0608	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,590.94	102.61
07 72 38 13-0609	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,693.21	102.61
07 72 38 13-0610	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,815.21	102.61
07 72 38 13-0611	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,933.63	102.61
07 72 38 13-0612	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,053.84	102.61
07 72 38 13-0613	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,174.05	102.61
07 72 38 13-0614	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,294.27	102.61
07 72 38 13-0615	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,412.68	102.61
07 72 38 13-0616	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,532.89	102.61
07 72 38 13-0617	EA	30" x 15" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,653.11	102.61
07 72 38 13-0618	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,721.92	102.61
07 72 38 13-0619	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,842.13	102.61
07 72 38 13-0620	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,978.49	102.61
07 72 38 13-0621	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,080.76	102.61
07 72 38 13-0622	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,202.76	102.61
07 72 38 13-0623	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,321.18	102.61
07 72 38 13-0624	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,441.39	102.61
07 72 38 13-0625	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,561.60	102.61
07 72 38 13-0626	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,681.81	102.61
07 72 38 13-0627	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,800.23	102.61
07 72 38 13-0628	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,920.44	102.61
07 72 38 13-0629	EA	30" x 15" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,040.65	102.61
07 72 38 13-0630	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,537.42	102.61
07 72 38 13-0631	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,657.63	102.61
07 72 38 13-0632	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,793.99	102.61
07 72 38 13-0633	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,896.26	102.61
07 72 38 13-0634	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,018.26	102.61
07 72 38 13-0635	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,136.68	102.61
07 72 38 13-0636	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,256.89	102.61
07 72 38 13-0637	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,377.10	102.61
07 72 38 13-0638	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,497.32	102.61
07 72 38 13-0639	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,615.73	102.61
07 72 38 13-0640	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,735.94	102.61
07 72 38 13-0641	EA	30" x 20" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,856.16	102.61
07 72 38 13-0642	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,924.97	102.61
07 72 38 13-0643	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,045.18	102.61
07 72 38 13-0644	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,181.54	102.61
07 72 38 13-0645	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,283.81	102.61
07 72 38 13-0646	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,405.81	102.61
07 72 38 13-0647	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,524.23	102.61
07 72 38 13-0648	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,644.44	102.61
07 72 38 13-0649	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,764.65	102.61
07 72 38 13-0650	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,884.86	102.61
07 72 38 13-0651	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,003.28	102.61
07 72 38 13-0652	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,123.49	102.61
07 72 38 13-0653	EA	30" x 20" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,243.70	102.61
07 72 38 13-0654	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,623.70	117.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0655	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,743.91	117.27
07 72 38 13-0656	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,880.27	117.27
07 72 38 13-0657	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,982.54	117.27
07 72 38 13-0658	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,104.54	117.27
07 72 38 13-0659	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,222.96	117.27
07 72 38 13-0660	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,343.17	117.27
07 72 38 13-0661	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,463.38	117.27
07 72 38 13-0662	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,583.59	117.27
07 72 38 13-0663	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,702.01	117.27
07 72 38 13-0664	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,822.22	117.27
07 72 38 13-0665	EA	36" x 18" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,942.43	117.27
07 72 38 13-0666	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,011.24	117.27
07 72 38 13-0667	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,131.45	117.27
07 72 38 13-0668	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,267.81	117.27
07 72 38 13-0669	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,370.08	117.27
07 72 38 13-0670	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,492.09	117.27
07 72 38 13-0671	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,610.51	117.27
07 72 38 13-0672	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,730.72	117.27
07 72 38 13-0673	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,850.93	117.27
07 72 38 13-0674	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,971.14	117.27
07 72 38 13-0675	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,089.56	117.27
07 72 38 13-0676	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,209.77	117.27
07 72 38 13-0677	EA	36" x 18" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,329.98	117.27
07 72 38 13-0678	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,916.10	117.27
07 72 38 13-0679	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,036.31	117.27
07 72 38 13-0680	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,172.67	117.27
07 72 38 13-0681	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,274.94	117.27
07 72 38 13-0682	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,396.94	117.27
07 72 38 13-0683	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,515.36	117.27
07 72 38 13-0684	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,635.57	117.27
07 72 38 13-0685	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,755.78	117.27
07 72 38 13-0686	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,875.99	117.27
07 72 38 13-0687	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,994.41	117.27
07 72 38 13-0688	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,114.62	117.27
07 72 38 13-0689	EA	36" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,234.83	117.27
07 72 38 13-0690	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,303.64	117.27
07 72 38 13-0691	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,423.86	117.27
07 72 38 13-0692	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,560.21	117.27
07 72 38 13-0693	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,662.48	117.27
07 72 38 13-0694	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,784.49	117.27
07 72 38 13-0695	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,902.91	117.27
07 72 38 13-0696	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,023.12	117.27
07 72 38 13-0697	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,143.33	117.27
07 72 38 13-0698	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,263.54	117.27
07 72 38 13-0699	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,381.96	117.27
07 72 38 13-0700	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,502.17	117.27
07 72 38 13-0701	EA	36" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,622.38	117.27
07 72 38 13-0702	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,960.45	130.60
07 72 38 13-0703	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,080.66	130.60
07 72 38 13-0704	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,217.02	130.60
07 72 38 13-0705	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,319.29	130.60
07 72 38 13-0706	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,441.30	130.60
07 72 38 13-0707	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,559.71	130.60
07 72 38 13-0708	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,679.93	130.60
07 72 38 13-0709	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,800.14	130.60
07 72 38 13-0710	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,920.35	130.60
07 72 38 13-0711	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,038.77	130.60
07 72 38 13-0712	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,158.98	130.60
07 72 38 13-0713	EA	42" x 21" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,279.19	130.60
07 72 38 13-0714	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,348.00	130.60
07 72 38 13-0715	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,468.21	130.60
07 72 38 13-0716	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,604.57	130.60
07 72 38 13-0717	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,706.84	130.60
07 72 38 13-0718	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,828.84	130.60
07 72 38 13-0719	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,947.26	130.60
07 72 38 13-0720	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,067.47	130.60
07 72 38 13-0721	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,187.68	130.60
07 72 38 13-0722	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,307.90	130.60
07 72 38 13-0723	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,426.31	130.60
07 72 38 13-0724	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,546.52	130.60
07 72 38 13-0725	EA	42" x 21" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,666.74	130.60
07 72 38 13-0726	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,358.44	130.17
07 72 38 13-0727	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,478.65	130.17
07 72 38 13-0728	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,615.01	130.17
07 72 38 13-0729	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,717.28	130.17
07 72 38 13-0730	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,839.29	130.17
07 72 38 13-0731	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,957.70	130.17
07 72 38 13-0732	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,077.92	130.17
07 72 38 13-0733	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,198.13	130.17
07 72 38 13-0734	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,318.34	130.17
07 72 38 13-0735	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,436.76	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0736	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,556.97	130.17
07 72 38 13-0737	EA	42" x 28" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,677.18	130.17
07 72 38 13-0738	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,745.99	130.17
07 72 38 13-0739	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,866.20	130.17
07 72 38 13-0740	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,002.56	130.17
07 72 38 13-0741	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,104.83	130.17
07 72 38 13-0742	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,226.83	130.17
07 72 38 13-0743	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,345.25	130.17
07 72 38 13-0744	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,465.46	130.17
07 72 38 13-0745	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,585.67	130.17
07 72 38 13-0746	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,705.89	130.17
07 72 38 13-0747	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,824.30	130.17
07 72 38 13-0748	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,944.51	130.17
07 72 38 13-0749	EA	42" x 28" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,064.73	130.17
07 72 38 13-0750	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,325.95	130.17
07 72 38 13-0751	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,463.49	141.60
07 72 38 13-0752	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,599.85	141.60
07 72 38 13-0753	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,702.12	141.60
07 72 38 13-0754	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,824.12	141.60
07 72 38 13-0755	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,942.54	141.60
07 72 38 13-0756	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,062.75	141.60
07 72 38 13-0757	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,182.96	141.60
07 72 38 13-0758	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,303.18	141.60
07 72 38 13-0759	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,421.59	141.60
07 72 38 13-0760	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,541.80	141.60
07 72 38 13-0761	EA	48" x 24" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,662.02	141.60
07 72 38 13-0762	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,730.83	141.60
07 72 38 13-0763	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,851.04	141.60
07 72 38 13-0764	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,987.40	141.60
07 72 38 13-0765	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,089.67	141.60
07 72 38 13-0766	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,211.67	141.60
07 72 38 13-0767	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,330.09	141.60
07 72 38 13-0768	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,450.30	141.60
07 72 38 13-0769	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,570.51	141.60
07 72 38 13-0770	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,690.72	141.60
07 72 38 13-0771	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,809.14	141.60
07 72 38 13-0772	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,929.35	141.60
07 72 38 13-0773	EA	48" x 24" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,049.56	141.60
07 72 38 13-0774	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,845.76	130.17
07 72 38 13-0775	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,983.31	141.60
07 72 38 13-0776	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,119.66	141.60
07 72 38 13-0777	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,221.93	141.60
07 72 38 13-0778	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,343.94	141.60
07 72 38 13-0779	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,462.36	141.60
07 72 38 13-0780	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,582.57	141.60
07 72 38 13-0781	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,702.78	141.60
07 72 38 13-0782	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,822.99	141.60
07 72 38 13-0783	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,941.41	141.60
07 72 38 13-0784	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,061.62	141.60
07 72 38 13-0785	EA	48" x 32" Arched Triangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,181.83	141.60
07 72 38 13-0786	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,250.64	141.60
07 72 38 13-0787	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,370.85	141.60
07 72 38 13-0788	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,507.21	141.60
07 72 38 13-0789	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,609.48	141.60
07 72 38 13-0790	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,731.49	141.60
07 72 38 13-0791	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,849.90	141.60
07 72 38 13-0792	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,970.12	141.60
07 72 38 13-0793	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,090.33	141.60
07 72 38 13-0794	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,210.54	141.60
07 72 38 13-0795	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,328.96	141.60
07 72 38 13-0796	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,449.17	141.60
07 72 38 13-0797	EA	48" x 32" Arched Triangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,569.38	141.60
07 72 38 13-0798		Eyebrow Copper Roof Dormer Vent *(07 72 38 13-0001)*		
07 72 38 13-0799	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	759.72	117.27
07 72 38 13-0800	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	879.93	117.27
07 72 38 13-0801	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,016.29	117.27
07 72 38 13-0802	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,118.56	117.27
07 72 38 13-0803	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,240.56	117.27
07 72 38 13-0804	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,358.98	117.27
07 72 38 13-0805	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,479.19	117.27
07 72 38 13-0806	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,599.40	117.27
07 72 38 13-0807	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,719.61	117.27
07 72 38 13-0808	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,838.03	117.27
07 72 38 13-0809	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,958.24	117.27
07 72 38 13-0810	EA	36" x 15" Eyebrow Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,078.45	117.27
07 72 38 13-0811	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,147.26	117.27
07 72 38 13-0812	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,267.48	117.27
07 72 38 13-0813	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,403.83	117.27
07 72 38 13-0814	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,506.10	117.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0815	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,628.11	117.27
07 72 38 13-0816	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,746.53	117.27
07 72 38 13-0817	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,866.74	117.27
07 72 38 13-0818	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,986.95	117.27
07 72 38 13-0819	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,107.16	117.27
07 72 38 13-0820	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,225.58	117.27
07 72 38 13-0821	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,345.79	117.27
07 72 38 13-0822	EA	36" x 15" Eyebrow Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,466.00	117.27
07 72 38 13-0823	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,289.39	130.60
07 72 38 13-0824	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,409.60	130.60
07 72 38 13-0825	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,545.96	130.60
07 72 38 13-0826	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,648.23	130.60
07 72 38 13-0827	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,770.23	130.60
07 72 38 13-0828	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,888.65	130.60
07 72 38 13-0829	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,008.86	130.60
07 72 38 13-0830	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,129.07	130.60
07 72 38 13-0831	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,249.28	130.60
07 72 38 13-0832	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,367.70	130.60
07 72 38 13-0833	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,487.91	130.60
07 72 38 13-0834	EA	42" x 18" Eyebrow Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,608.12	130.60
07 72 38 13-0835	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,676.93	130.60
07 72 38 13-0836	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,797.14	130.60
07 72 38 13-0837	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,933.50	130.60
07 72 38 13-0838	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,035.77	130.60
07 72 38 13-0839	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,157.78	130.60
07 72 38 13-0840	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,276.20	130.60
07 72 38 13-0841	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,396.41	130.60
07 72 38 13-0842	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,516.62	130.60
07 72 38 13-0843	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,636.83	130.60
07 72 38 13-0844	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,755.25	130.60
07 72 38 13-0845	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,875.46	130.60
07 72 38 13-0846	EA	42" x 18" Eyebrow Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,995.67	130.60
07 72 38 13-0847	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,726.24	130.60
07 72 38 13-0848	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,863.78	141.26
07 72 38 13-0849	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,000.14	141.26
07 72 38 13-0850	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,102.41	141.26
07 72 38 13-0851	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,224.41	141.26
07 72 38 13-0852	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,342.83	141.26
07 72 38 13-0853	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,463.04	141.26
07 72 38 13-0854	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,583.25	141.26
07 72 38 13-0855	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,703.46	141.26
07 72 38 13-0856	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,821.88	141.26
07 72 38 13-0857	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,942.09	141.26
07 72 38 13-0858	EA	48" x 21" Eyebrow Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,062.30	141.26
07 72 38 13-0859	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,131.11	141.26
07 72 38 13-0860	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,251.33	141.26
07 72 38 13-0861	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,387.69	141.26
07 72 38 13-0862	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,489.95	141.26
07 72 38 13-0863	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,611.96	141.26
07 72 38 13-0864	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,730.38	141.26
07 72 38 13-0865	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,850.59	141.26
07 72 38 13-0866	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,970.80	141.26
07 72 38 13-0867	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,091.01	141.26
07 72 38 13-0868	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,209.43	141.26
07 72 38 13-0869	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,329.64	141.26
07 72 38 13-0870	EA	48" x 21" Eyebrow Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,449.85	141.26

07 72 38 13-0871 Rectangle Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-0872	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	886.82	76.51
07 72 38 13-0873	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	960.22	76.51
07 72 38 13-0874	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,033.62	76.51
07 72 38 13-0875	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,107.02	76.51
07 72 38 13-0876	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,180.42	76.51
07 72 38 13-0877	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,253.82	76.51
07 72 38 13-0878	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,327.22	76.51
07 72 38 13-0879	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,400.62	76.51
07 72 38 13-0880	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,474.02	76.51
07 72 38 13-0881	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,547.42	76.51
07 72 38 13-0882	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,620.83	76.51
07 72 38 13-0883	EA	12" x 18" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,694.23	76.51
07 72 38 13-0884	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,274.37	76.51
07 72 38 13-0885	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,347.77	76.51
07 72 38 13-0886	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,421.17	76.51
07 72 38 13-0887	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,494.57	76.51
07 72 38 13-0888	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,567.97	76.51
07 72 38 13-0889	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,641.37	76.51
07 72 38 13-0890	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,714.77	76.51
07 72 38 13-0891	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,788.17	76.51
07 72 38 13-0892	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,861.57	76.51
07 72 38 13-0893	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,934.97	76.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0894	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,008.37	76.51
07 72 38 13-0895	EA	12" x 18" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,081.77	76.51
07 72 38 13-0896	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,060.45	91.47
07 72 38 13-0897	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,133.85	91.47
07 72 38 13-0898	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,207.25	91.47
07 72 38 13-0899	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,280.65	91.47
07 72 38 13-0900	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,354.05	91.47
07 72 38 13-0901	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,427.45	91.47
07 72 38 13-0902	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,500.85	91.47
07 72 38 13-0903	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,574.25	91.47
07 72 38 13-0904	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,647.66	91.47
07 72 38 13-0905	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,721.06	91.47
07 72 38 13-0906	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,794.46	91.47
07 72 38 13-0907	EA	15" x 21" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,867.86	91.47
07 72 38 13-0908	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,448.00	91.47
07 72 38 13-0909	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,521.40	91.47
07 72 38 13-0910	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,594.80	91.47
07 72 38 13-0911	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,668.20	91.47
07 72 38 13-0912	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,741.60	91.47
07 72 38 13-0913	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,815.00	91.47
07 72 38 13-0914	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,888.40	91.47
07 72 38 13-0915	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,961.80	91.47
07 72 38 13-0916	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,035.20	91.47
07 72 38 13-0917	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,108.60	91.47
07 72 38 13-0918	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,182.00	91.47
07 72 38 13-0919	EA	15" x 21" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,255.41	91.47
07 72 38 13-0920	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,338.57	102.90
07 72 38 13-0921	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,411.97	102.90
07 72 38 13-0922	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,485.37	102.90
07 72 38 13-0923	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,558.77	102.90
07 72 38 13-0924	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,632.17	102.90
07 72 38 13-0925	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,705.57	102.90
07 72 38 13-0926	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,778.97	102.90
07 72 38 13-0927	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,852.37	102.90
07 72 38 13-0928	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,925.77	102.90
07 72 38 13-0929	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,999.17	102.90
07 72 38 13-0930	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,072.57	102.90
07 72 38 13-0931	EA	18" x 27" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,145.97	102.90
07 72 38 13-0932	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,726.11	102.90
07 72 38 13-0933	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,799.51	102.90
07 72 38 13-0934	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,872.92	102.90
07 72 38 13-0935	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,946.32	102.90
07 72 38 13-0936	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,019.72	102.90
07 72 38 13-0937	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,093.12	102.90
07 72 38 13-0938	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,166.52	102.90
07 72 38 13-0939	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,239.92	102.90
07 72 38 13-0940	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,313.32	102.90
07 72 38 13-0941	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,386.72	102.90
07 72 38 13-0942	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,460.12	102.90
07 72 38 13-0943	EA	18" x 27" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,533.52	102.90
07 72 38 13-0944	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,936.35	116.98
07 72 38 13-0945	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,009.75	116.98
07 72 38 13-0946	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,083.15	116.98
07 72 38 13-0947	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,156.56	116.98
07 72 38 13-0948	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,229.96	116.98
07 72 38 13-0949	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,303.36	116.98
07 72 38 13-0950	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,376.76	116.98
07 72 38 13-0951	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,450.16	116.98
07 72 38 13-0952	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,523.56	116.98
07 72 38 13-0953	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,596.96	116.98
07 72 38 13-0954	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,670.36	116.98
07 72 38 13-0955	EA	24" x 36" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,743.76	116.98
07 72 38 13-0956	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,323.90	116.98
07 72 38 13-0957	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,397.30	116.98
07 72 38 13-0958	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,470.70	116.98
07 72 38 13-0959	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,544.10	116.98
07 72 38 13-0960	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,617.50	116.98
07 72 38 13-0961	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,690.90	116.98
07 72 38 13-0962	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,764.30	116.98
07 72 38 13-0963	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,837.71	116.98
07 72 38 13-0964	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,911.11	116.98
07 72 38 13-0965	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,984.51	116.98
07 72 38 13-0966	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,057.91	116.98
07 72 38 13-0967	EA	24" x 36" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,131.31	116.98
07 72 38 13-0968	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,560.27	130.17
07 72 38 13-0969	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,633.67	130.17
07 72 38 13-0970	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,707.07	130.17
07 72 38 13-0971	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,780.47	130.17
07 72 38 13-0972	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,853.87	130.17
07 72 38 13-0973	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,927.27	130.17
07 72 38 13-0974	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,000.68	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0975	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,074.08	130.17
07 72 38 13-0976	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,147.48	130.17
07 72 38 13-0977	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,220.88	130.17
07 72 38 13-0978	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,294.28	130.17
07 72 38 13-0979	EA	30" x 42" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,367.68	130.17
07 72 38 13-0980	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,947.82	130.17
07 72 38 13-0981	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,021.22	130.17
07 72 38 13-0982	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,094.62	130.17
07 72 38 13-0983	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,168.02	130.17
07 72 38 13-0984	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,241.42	130.17
07 72 38 13-0985	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,314.82	130.17
07 72 38 13-0986	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,388.22	130.17
07 72 38 13-0987	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,461.62	130.17
07 72 38 13-0988	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,535.02	130.17
07 72 38 13-0989	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,608.42	130.17
07 72 38 13-0990	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,681.83	130.17
07 72 38 13-0991	EA	30" x 42" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,755.23	130.17
07 72 38 13-0992	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	3,274.00	130.17
07 72 38 13-0993	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,364.73	141.60
07 72 38 13-0994	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,438.14	141.60
07 72 38 13-0995	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,511.54	141.60
07 72 38 13-0996	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,584.94	141.60
07 72 38 13-0997	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,658.34	141.60
07 72 38 13-0998	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,731.74	141.60
07 72 38 13-0999	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,805.14	141.60
07 72 38 13-1000	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,878.54	141.60
07 72 38 13-1001	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,951.94	141.60
07 72 38 13-1002	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,025.34	141.60
07 72 38 13-1003	EA	36" x 48" Rectangle Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,098.74	141.60
07 72 38 13-1004	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,678.88	141.60
07 72 38 13-1005	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,752.28	141.60
07 72 38 13-1006	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,825.68	141.60
07 72 38 13-1007	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,899.08	141.60
07 72 38 13-1008	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,972.48	141.60
07 72 38 13-1009	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	4,045.88	141.60
07 72 38 13-1010	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,119.29	141.60
07 72 38 13-1011	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,192.69	141.60
07 72 38 13-1012	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,266.09	141.60
07 72 38 13-1013	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,339.49	141.60
07 72 38 13-1014	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,412.89	141.60
07 72 38 13-1015	EA	36" x 48" Rectangle Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,486.29	141.60

07 72 38 13-1016 Tombstone Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-1017	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	932.05	76.51
07 72 38 13-1018	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,052.26	76.51
07 72 38 13-1019	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,188.62	76.51
07 72 38 13-1020	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,290.89	76.51
07 72 38 13-1021	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,412.90	76.51
07 72 38 13-1022	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,531.31	76.51
07 72 38 13-1023	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,651.52	76.51
07 72 38 13-1024	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,771.74	76.51
07 72 38 13-1025	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,891.95	76.51
07 72 38 13-1026	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,010.36	76.51
07 72 38 13-1027	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,130.58	76.51
07 72 38 13-1028	EA	12" x 18" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,250.79	76.51
07 72 38 13-1029	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,319.60	76.51
07 72 38 13-1030	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,439.81	76.51
07 72 38 13-1031	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,576.17	76.51
07 72 38 13-1032	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,678.44	76.51
07 72 38 13-1033	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,800.44	76.51
07 72 38 13-1034	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,918.86	76.51
07 72 38 13-1035	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,039.07	76.51
07 72 38 13-1036	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,159.28	76.51
07 72 38 13-1037	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,279.49	76.51
07 72 38 13-1038	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,397.91	76.51
07 72 38 13-1039	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,518.12	76.51
07 72 38 13-1040	EA	12" x 18" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,638.33	76.51
07 72 38 13-1041	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,079.77	91.47
07 72 38 13-1042	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,199.98	91.47
07 72 38 13-1043	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,336.34	91.47
07 72 38 13-1044	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,438.61	91.47
07 72 38 13-1045	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,560.62	91.47
07 72 38 13-1046	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,679.04	91.47
07 72 38 13-1047	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,799.25	91.47
07 72 38 13-1048	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,919.46	91.47
07 72 38 13-1049	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,039.67	91.47
07 72 38 13-1050	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,158.09	91.47
07 72 38 13-1051	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,278.30	91.47
07 72 38 13-1052	EA	15" x 21" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,398.51	91.47
07 72 38 13-1053	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,467.32	91.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1054	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,587.53	91.47
07 72 38 13-1055	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,723.89	91.47
07 72 38 13-1056	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,826.16	91.47
07 72 38 13-1057	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,948.17	91.47
07 72 38 13-1058	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,066.58	91.47
07 72 38 13-1059	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,186.79	91.47
07 72 38 13-1060	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,307.01	91.47
07 72 38 13-1061	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,427.22	91.47
07 72 38 13-1062	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,545.63	91.47
07 72 38 13-1063	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,665.85	91.47
07 72 38 13-1064	EA	15" x 21" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,786.06	91.47
07 72 38 13-1065	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,313.13	102.90
07 72 38 13-1066	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,433.34	102.90
07 72 38 13-1067	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,569.70	102.90
07 72 38 13-1068	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,671.97	102.90
07 72 38 13-1069	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,793.97	102.90
07 72 38 13-1070	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,912.39	102.90
07 72 38 13-1071	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,032.60	102.90
07 72 38 13-1072	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,152.81	102.90
07 72 38 13-1073	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,273.02	102.90
07 72 38 13-1074	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,391.44	102.90
07 72 38 13-1075	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,511.65	102.90
07 72 38 13-1076	EA	18" x 27" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,631.86	102.90
07 72 38 13-1077	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,700.67	102.90
07 72 38 13-1078	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,820.88	102.90
07 72 38 13-1079	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,957.24	102.90
07 72 38 13-1080	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,059.51	102.90
07 72 38 13-1081	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,181.52	102.90
07 72 38 13-1082	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,299.94	102.90
07 72 38 13-1083	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,420.15	102.90
07 72 38 13-1084	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,540.36	102.90
07 72 38 13-1085	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,660.57	102.90
07 72 38 13-1086	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,778.99	102.90
07 72 38 13-1087	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,899.20	102.90
07 72 38 13-1088	EA	18" x 27" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,019.41	102.90
07 72 38 13-1089	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,811.94	116.98
07 72 38 13-1090	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,932.15	116.98
07 72 38 13-1091	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,068.51	116.98
07 72 38 13-1092	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,170.78	116.98
07 72 38 13-1093	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,292.79	116.98
07 72 38 13-1094	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,411.21	116.98
07 72 38 13-1095	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,531.42	116.98
07 72 38 13-1096	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,651.63	116.98
07 72 38 13-1097	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,771.84	116.98
07 72 38 13-1098	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,890.26	116.98
07 72 38 13-1099	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,010.47	116.98
07 72 38 13-1100	EA	24" x 36" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,130.68	116.98
07 72 38 13-1101	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,199.49	116.98
07 72 38 13-1102	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,319.70	116.98
07 72 38 13-1103	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,456.06	116.98
07 72 38 13-1104	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,558.33	116.98
07 72 38 13-1105	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,680.34	116.98
07 72 38 13-1106	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,798.75	116.98
07 72 38 13-1107	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,918.97	116.98
07 72 38 13-1108	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,039.18	116.98
07 72 38 13-1109	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,159.39	116.98
07 72 38 13-1110	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,277.81	116.98
07 72 38 13-1111	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,398.02	116.98
07 72 38 13-1112	EA	24" x 36" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,518.23	116.98
07 72 38 13-1113	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,332.19	130.17
07 72 38 13-1114	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,452.40	130.17
07 72 38 13-1115	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,588.76	130.17
07 72 38 13-1116	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,691.03	130.17
07 72 38 13-1117	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,813.04	130.17
07 72 38 13-1118	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,931.46	130.17
07 72 38 13-1119	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,051.67	130.17
07 72 38 13-1120	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,171.88	130.17
07 72 38 13-1121	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,292.09	130.17
07 72 38 13-1122	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,410.51	130.17
07 72 38 13-1123	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,530.72	130.17
07 72 38 13-1124	EA	30" x 42" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,650.93	130.17
07 72 38 13-1125	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,719.74	130.17
07 72 38 13-1126	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,839.95	130.17
07 72 38 13-1127	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,976.31	130.17
07 72 38 13-1128	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,078.58	130.17
07 72 38 13-1129	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,200.59	130.17
07 72 38 13-1130	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,319.00	130.17
07 72 38 13-1131	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,439.21	130.17
07 72 38 13-1132	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,559.43	130.17
07 72 38 13-1133	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,679.64	130.17
07 72 38 13-1134	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,798.05	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1135	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,918.27	130.17
07 72 38 13-1136	EA	30" x 42" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,038.48	130.17
07 72 38 13-1137	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,923.42	130.17
07 72 38 13-1138	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,060.96	141.60
07 72 38 13-1139	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,197.32	141.60
07 72 38 13-1140	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,299.59	141.60
07 72 38 13-1141	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,421.59	141.60
07 72 38 13-1142	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,540.01	141.60
07 72 38 13-1143	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,660.22	141.60
07 72 38 13-1144	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,780.43	141.60
07 72 38 13-1145	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,900.64	141.60
07 72 38 13-1146	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	4,019.06	141.60
07 72 38 13-1147	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,139.27	141.60
07 72 38 13-1148	EA	36" x 48" Tombstone Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,259.48	141.60
07 72 38 13-1149	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,328.29	141.60
07 72 38 13-1150	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,448.51	141.60
07 72 38 13-1151	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,584.87	141.60
07 72 38 13-1152	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,687.13	141.60
07 72 38 13-1153	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,809.14	141.60
07 72 38 13-1154	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,927.56	141.60
07 72 38 13-1155	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,047.77	141.60
07 72 38 13-1156	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,167.98	141.60
07 72 38 13-1157	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,288.19	141.60
07 72 38 13-1158	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,406.61	141.60
07 72 38 13-1159	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,526.82	141.60
07 72 38 13-1160	EA	36" x 48" Tombstone Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,647.03	141.60

07 72 38 13-1161 Arched Top Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-1162	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	927.04	76.51
07 72 38 13-1163	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,037.14	76.51
07 72 38 13-1164	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,147.23	76.51
07 72 38 13-1165	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,257.32	76.51
07 72 38 13-1166	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,367.41	76.51
07 72 38 13-1167	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,477.50	76.51
07 72 38 13-1168	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,587.60	76.51
07 72 38 13-1169	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,697.69	76.51
07 72 38 13-1170	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,807.78	76.51
07 72 38 13-1171	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,917.87	76.51
07 72 38 13-1172	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,027.97	76.51
07 72 38 13-1173	EA	12" x 15" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,138.06	76.51
07 72 38 13-1174	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,314.59	76.51
07 72 38 13-1175	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,424.68	76.51
07 72 38 13-1176	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,534.78	76.51
07 72 38 13-1177	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,644.87	76.51
07 72 38 13-1178	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,754.96	76.51
07 72 38 13-1179	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,865.05	76.51
07 72 38 13-1180	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,975.14	76.51
07 72 38 13-1181	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,085.24	76.51
07 72 38 13-1182	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,195.33	76.51
07 72 38 13-1183	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,305.42	76.51
07 72 38 13-1184	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,415.51	76.51
07 72 38 13-1185	EA	12" x 15" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,525.60	76.51
07 72 38 13-1186	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,091.44	91.47
07 72 38 13-1187	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,201.53	91.47
07 72 38 13-1188	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,311.62	91.47
07 72 38 13-1189	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,421.71	91.47
07 72 38 13-1190	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,531.80	91.47
07 72 38 13-1191	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,641.90	91.47
07 72 38 13-1192	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,751.99	91.47
07 72 38 13-1193	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,862.08	91.47
07 72 38 13-1194	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,972.17	91.47
07 72 38 13-1195	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,082.26	91.47
07 72 38 13-1196	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,192.36	91.47
07 72 38 13-1197	EA	15" x 18.75" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,302.45	91.47
07 72 38 13-1198	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,478.98	91.47
07 72 38 13-1199	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,589.08	91.47
07 72 38 13-1200	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,699.17	91.47
07 72 38 13-1201	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,809.26	91.47
07 72 38 13-1202	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,919.35	91.47
07 72 38 13-1203	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,029.44	91.47
07 72 38 13-1204	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,139.54	91.47
07 72 38 13-1205	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,249.63	91.47
07 72 38 13-1206	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,359.72	91.47
07 72 38 13-1207	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,469.81	91.47
07 72 38 13-1208	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,579.90	91.47
07 72 38 13-1209	EA	15" x 18.75" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,690.00	91.47
07 72 38 13-1210	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,282.88	102.90
07 72 38 13-1211	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,392.97	102.90
07 72 38 13-1212	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,503.06	102.90
07 72 38 13-1213	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,613.15	102.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1214	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,723.24	102.90
07 72 38 13-1215	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,833.34	102.90
07 72 38 13-1216	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,943.43	102.90
07 72 38 13-1217	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,053.52	102.90
07 72 38 13-1218	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,163.61	102.90
07 72 38 13-1219	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,273.70	102.90
07 72 38 13-1220	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,383.80	102.90
07 72 38 13-1221	EA	18" x 22.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,493.89	102.90
07 72 38 13-1222	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,670.42	102.90
07 72 38 13-1223	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,780.51	102.90
07 72 38 13-1224	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,890.61	102.90
07 72 38 13-1225	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,000.70	102.90
07 72 38 13-1226	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,110.79	102.90
07 72 38 13-1227	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,220.88	102.90
07 72 38 13-1228	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,330.97	102.90
07 72 38 13-1229	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,441.07	102.90
07 72 38 13-1230	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,551.16	102.90
07 72 38 13-1231	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,661.25	102.90
07 72 38 13-1232	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,771.34	102.90
07 72 38 13-1233	EA	18" x 22.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,881.44	102.90
07 72 38 13-1234	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,717.28	116.98
07 72 38 13-1235	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,827.37	116.98
07 72 38 13-1236	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,937.47	116.98
07 72 38 13-1237	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,047.56	116.98
07 72 38 13-1238	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,157.65	116.98
07 72 38 13-1239	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,267.74	116.98
07 72 38 13-1240	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,377.83	116.98
07 72 38 13-1241	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,487.93	116.98
07 72 38 13-1242	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,598.02	116.98
07 72 38 13-1243	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,708.11	116.98
07 72 38 13-1244	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,818.20	116.98
07 72 38 13-1245	EA	24" x 30" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,928.29	116.98
07 72 38 13-1246	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,104.83	116.98
07 72 38 13-1247	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,214.92	116.98
07 72 38 13-1248	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,325.01	116.98
07 72 38 13-1249	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,435.11	116.98
07 72 38 13-1250	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,545.20	116.98
07 72 38 13-1251	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,655.29	116.98
07 72 38 13-1252	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,765.38	116.98
07 72 38 13-1253	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,875.47	116.98
07 72 38 13-1254	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,985.57	116.98
07 72 38 13-1255	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,095.66	116.98
07 72 38 13-1256	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,205.75	116.98
07 72 38 13-1257	EA	24" x 30" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,315.84	116.98
07 72 38 13-1258	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,304.11	130.17
07 72 38 13-1259	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,414.21	130.17
07 72 38 13-1260	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,524.30	130.17
07 72 38 13-1261	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,634.39	130.17
07 72 38 13-1262	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,744.48	130.17
07 72 38 13-1263	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,854.57	130.17
07 72 38 13-1264	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,964.67	130.17
07 72 38 13-1265	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,074.76	130.17
07 72 38 13-1266	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,184.85	130.17
07 72 38 13-1267	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,294.94	130.17
07 72 38 13-1268	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,405.03	130.17
07 72 38 13-1269	EA	30" x 37.5" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,515.13	130.17
07 72 38 13-1270	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,691.66	130.17
07 72 38 13-1271	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,801.75	130.17
07 72 38 13-1272	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,911.84	130.17
07 72 38 13-1273	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,021.94	130.17
07 72 38 13-1274	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,132.03	130.17
07 72 38 13-1275	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,242.12	130.17
07 72 38 13-1276	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,352.21	130.17
07 72 38 13-1277	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,462.31	130.17
07 72 38 13-1278	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,572.40	130.17
07 72 38 13-1279	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,682.49	130.17
07 72 38 13-1280	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,792.58	130.17
07 72 38 13-1281	EA	30" x 37.5" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,902.67	130.17
07 72 38 13-1282	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,952.02	130.17
07 72 38 13-1283	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,079.44	141.60
07 72 38 13-1284	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,189.53	141.60
07 72 38 13-1285	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,299.62	141.60
07 72 38 13-1286	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,409.72	141.60
07 72 38 13-1287	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,519.81	141.60
07 72 38 13-1288	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,629.90	141.60
07 72 38 13-1289	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,739.99	141.60
07 72 38 13-1290	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,850.08	141.60
07 72 38 13-1291	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,960.18	141.60
07 72 38 13-1292	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,070.27	141.60
07 72 38 13-1293	EA	36" x 45" Arched Top Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,180.36	141.60
07 72 38 13-1294	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,356.89	141.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1295	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,466.99	141.60
07 72 38 13-1296	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,577.08	141.60
07 72 38 13-1297	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,687.17	141.60
07 72 38 13-1298	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,797.26	141.60
07 72 38 13-1299	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,907.35	141.60
07 72 38 13-1300	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,017.45	141.60
07 72 38 13-1301	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,127.54	141.60
07 72 38 13-1302	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,237.63	141.60
07 72 38 13-1303	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,347.72	141.60
07 72 38 13-1304	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,457.82	141.60
07 72 38 13-1305	EA	36" x 45" Arched Top Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,567.91	141.60

07 72 38 13-1306 Hipped Roof Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-1307	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	932.05	76.51
07 72 38 13-1308	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,025.83	76.51
07 72 38 13-1309	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,119.62	76.51
07 72 38 13-1310	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,213.40	76.51
07 72 38 13-1311	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,307.18	76.51
07 72 38 13-1312	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,400.96	76.51
07 72 38 13-1313	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,494.75	76.51
07 72 38 13-1314	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,588.53	76.51
07 72 38 13-1315	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,682.31	76.51
07 72 38 13-1316	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,776.10	76.51
07 72 38 13-1317	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,869.88	76.51
07 72 38 13-1318	EA	12" x 18" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,963.66	76.51
07 72 38 13-1319	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,319.60	76.51
07 72 38 13-1320	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,413.38	76.51
07 72 38 13-1321	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,507.16	76.51
07 72 38 13-1322	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,600.95	76.51
07 72 38 13-1323	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,694.73	76.51
07 72 38 13-1324	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,788.51	76.51
07 72 38 13-1325	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,882.29	76.51
07 72 38 13-1326	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,976.08	76.51
07 72 38 13-1327	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,069.86	76.51
07 72 38 13-1328	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,163.64	76.51
07 72 38 13-1329	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,257.43	76.51
07 72 38 13-1330	EA	12" x 18" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,351.21	76.51
07 72 38 13-1331	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,031.60	91.47
07 72 38 13-1332	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,125.38	91.47
07 72 38 13-1333	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,219.16	91.47
07 72 38 13-1334	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,312.95	91.47
07 72 38 13-1335	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,406.73	91.47
07 72 38 13-1336	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,500.51	91.47
07 72 38 13-1337	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,594.30	91.47
07 72 38 13-1338	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,688.08	91.47
07 72 38 13-1339	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,781.86	91.47
07 72 38 13-1340	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,875.64	91.47
07 72 38 13-1341	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,969.43	91.47
07 72 38 13-1342	EA	15" x 21" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,063.21	91.47
07 72 38 13-1343	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,419.15	91.47
07 72 38 13-1344	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,512.93	91.47
07 72 38 13-1345	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,606.71	91.47
07 72 38 13-1346	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,700.49	91.47
07 72 38 13-1347	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,794.28	91.47
07 72 38 13-1348	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,888.06	91.47
07 72 38 13-1349	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,981.84	91.47
07 72 38 13-1350	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,075.63	91.47
07 72 38 13-1351	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,169.41	91.47
07 72 38 13-1352	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,263.19	91.47
07 72 38 13-1353	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,356.97	91.47
07 72 38 13-1354	EA	15" x 21" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,450.76	91.47
07 72 38 13-1355	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,251.42	102.90
07 72 38 13-1356	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,345.21	102.90
07 72 38 13-1357	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,438.99	102.90
07 72 38 13-1358	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,532.77	102.90
07 72 38 13-1359	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,626.55	102.90
07 72 38 13-1360	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,720.34	102.90
07 72 38 13-1361	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,814.12	102.90
07 72 38 13-1362	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,907.90	102.90
07 72 38 13-1363	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,001.69	102.90
07 72 38 13-1364	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,095.47	102.90
07 72 38 13-1365	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,189.25	102.90
07 72 38 13-1366	EA	18" x 27" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,283.03	102.90
07 72 38 13-1367	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,638.97	102.90
07 72 38 13-1368	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,732.75	102.90
07 72 38 13-1369	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,826.54	102.90
07 72 38 13-1370	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,920.32	102.90
07 72 38 13-1371	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,014.10	102.90
07 72 38 13-1372	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,107.88	102.90
07 72 38 13-1373	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,201.67	102.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1374	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,295.45	102.90
07 72 38 13-1375	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,389.23	102.90
07 72 38 13-1376	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,483.02	102.90
07 72 38 13-1377	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,576.80	102.90
07 72 38 13-1378	EA	18" x 27" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,670.58	102.90
07 72 38 13-1379	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,720.35	116.98
07 72 38 13-1380	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,814.13	116.98
07 72 38 13-1381	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,907.92	116.98
07 72 38 13-1382	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,001.70	116.98
07 72 38 13-1383	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,095.48	116.98
07 72 38 13-1384	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,189.26	116.98
07 72 38 13-1385	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,283.05	116.98
07 72 38 13-1386	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,376.83	116.98
07 72 38 13-1387	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,470.61	116.98
07 72 38 13-1388	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,564.40	116.98
07 72 38 13-1389	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,658.18	116.98
07 72 38 13-1390	EA	24" x 36" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,751.96	116.98
07 72 38 13-1391	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,107.90	116.98
07 72 38 13-1392	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,201.68	116.98
07 72 38 13-1393	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,295.46	116.98
07 72 38 13-1394	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,389.25	116.98
07 72 38 13-1395	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,483.03	116.98
07 72 38 13-1396	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,576.81	116.98
07 72 38 13-1397	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,670.59	116.98
07 72 38 13-1398	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,764.38	116.98
07 72 38 13-1399	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,858.16	116.98
07 72 38 13-1400	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,951.94	116.98
07 72 38 13-1401	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,045.73	116.98
07 72 38 13-1402	EA	24" x 36" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,139.51	116.98
07 72 38 13-1403	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,209.27	130.17
07 72 38 13-1404	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,303.05	130.17
07 72 38 13-1405	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,396.84	130.17
07 72 38 13-1406	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,490.62	130.17
07 72 38 13-1407	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,584.40	130.17
07 72 38 13-1408	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,678.19	130.17
07 72 38 13-1409	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,771.97	130.17
07 72 38 13-1410	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,865.75	130.17
07 72 38 13-1411	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,959.53	130.17
07 72 38 13-1412	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,053.32	130.17
07 72 38 13-1413	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,147.10	130.17
07 72 38 13-1414	EA	30" x 42" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,240.88	130.17
07 72 38 13-1415	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,596.82	130.17
07 72 38 13-1416	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,690.60	130.17
07 72 38 13-1417	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,784.38	130.17
07 72 38 13-1418	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,878.17	130.17
07 72 38 13-1419	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,971.95	130.17
07 72 38 13-1420	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,065.73	130.17
07 72 38 13-1421	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,159.52	130.17
07 72 38 13-1422	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,253.30	130.17
07 72 38 13-1423	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,347.08	130.17
07 72 38 13-1424	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,440.86	130.17
07 72 38 13-1425	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,534.65	130.17
07 72 38 13-1426	EA	30" x 42" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,628.43	130.17
07 72 38 13-1427	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,763.46	130.17
07 72 38 13-1428	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,874.58	141.60
07 72 38 13-1429	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,968.36	141.60
07 72 38 13-1430	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,062.14	141.60
07 72 38 13-1431	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,155.93	141.60
07 72 38 13-1432	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,249.71	141.60
07 72 38 13-1433	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,343.49	141.60
07 72 38 13-1434	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,437.27	141.60
07 72 38 13-1435	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,531.06	141.60
07 72 38 13-1436	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,624.84	141.60
07 72 38 13-1437	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,718.62	141.60
07 72 38 13-1438	EA	36" x 48" Hipped Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,812.41	141.60
07 72 38 13-1439	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,168.34	141.60
07 72 38 13-1440	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,262.12	141.60
07 72 38 13-1441	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,355.91	141.60
07 72 38 13-1442	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,449.69	141.60
07 72 38 13-1443	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,543.47	141.60
07 72 38 13-1444	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,637.26	141.60
07 72 38 13-1445	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,731.04	141.60
07 72 38 13-1446	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,824.82	141.60
07 72 38 13-1447	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,918.60	141.60
07 72 38 13-1448	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,012.39	141.60
07 72 38 13-1449	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,106.17	141.60
07 72 38 13-1450	EA	36" x 48" Hipped Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,199.95	141.60
07 72 38 13-1451		Gabled Roof Copper Roof Dormer Vent *(07 72 38 13-0001)*		
07 72 38 13-1452	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	865.77	76.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1453	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	959.55	76.51
07 72 38 13-1454	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,053.34	76.51
07 72 38 13-1455	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,147.12	76.51
07 72 38 13-1456	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,240.90	76.51
07 72 38 13-1457	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,334.69	76.51
07 72 38 13-1458	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,428.47	76.51
07 72 38 13-1459	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,522.25	76.51
07 72 38 13-1460	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,616.03	76.51
07 72 38 13-1461	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,709.82	76.51
07 72 38 13-1462	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,803.60	76.51
07 72 38 13-1463	EA	12" x 18" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,897.38	76.51
07 72 38 13-1464	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,253.32	76.51
07 72 38 13-1465	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,347.10	76.51
07 72 38 13-1466	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,440.88	76.51
07 72 38 13-1467	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,534.67	76.51
07 72 38 13-1468	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,628.45	76.51
07 72 38 13-1469	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,722.23	76.51
07 72 38 13-1470	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,816.02	76.51
07 72 38 13-1471	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,909.80	76.51
07 72 38 13-1472	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,003.58	76.51
07 72 38 13-1473	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,097.36	76.51
07 72 38 13-1474	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,191.15	76.51
07 72 38 13-1475	EA	12" x 18" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,284.93	76.51
07 72 38 13-1476	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,000.33	91.47
07 72 38 13-1477	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,094.11	91.47
07 72 38 13-1478	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,187.89	91.47
07 72 38 13-1479	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,281.67	91.47
07 72 38 13-1480	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,375.46	91.47
07 72 38 13-1481	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,469.24	91.47
07 72 38 13-1482	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,563.02	91.47
07 72 38 13-1483	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,656.81	91.47
07 72 38 13-1484	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,750.59	91.47
07 72 38 13-1485	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,844.37	91.47
07 72 38 13-1486	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,938.15	91.47
07 72 38 13-1487	EA	15" x 21" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,031.94	91.47
07 72 38 13-1488	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,387.87	91.47
07 72 38 13-1489	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,481.66	91.47
07 72 38 13-1490	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,575.44	91.47
07 72 38 13-1491	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,669.22	91.47
07 72 38 13-1492	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,763.00	91.47
07 72 38 13-1493	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,856.79	91.47
07 72 38 13-1494	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,950.57	91.47
07 72 38 13-1495	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,044.35	91.47
07 72 38 13-1496	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,138.14	91.47
07 72 38 13-1497	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,231.92	91.47
07 72 38 13-1498	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,325.70	91.47
07 72 38 13-1499	EA	15" x 21" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,419.48	91.47
07 72 38 13-1500	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,210.95	102.90
07 72 38 13-1501	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,304.73	102.90
07 72 38 13-1502	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,398.51	102.90
07 72 38 13-1503	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,492.29	102.90
07 72 38 13-1504	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,586.08	102.90
07 72 38 13-1505	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,679.86	102.90
07 72 38 13-1506	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,773.64	102.90
07 72 38 13-1507	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,867.43	102.90
07 72 38 13-1508	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,961.21	102.90
07 72 38 13-1509	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,054.99	102.90
07 72 38 13-1510	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,148.77	102.90
07 72 38 13-1511	EA	18" x 27" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,242.56	102.90
07 72 38 13-1512	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,598.49	102.90
07 72 38 13-1513	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,692.28	102.90
07 72 38 13-1514	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,786.06	102.90
07 72 38 13-1515	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,879.84	102.90
07 72 38 13-1516	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,973.62	102.90
07 72 38 13-1517	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,067.41	102.90
07 72 38 13-1518	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,161.19	102.90
07 72 38 13-1519	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,254.97	102.90
07 72 38 13-1520	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,348.76	102.90
07 72 38 13-1521	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,442.54	102.90
07 72 38 13-1522	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,536.32	102.90
07 72 38 13-1523	EA	18" x 27" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,630.10	102.90
07 72 38 13-1524	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,659.53	116.98
07 72 38 13-1525	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,753.31	116.98
07 72 38 13-1526	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,847.09	116.98
07 72 38 13-1527	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,940.87	116.98
07 72 38 13-1528	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,034.66	116.98
07 72 38 13-1529	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,128.44	116.98
07 72 38 13-1530	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,222.22	116.98
07 72 38 13-1531	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,316.01	116.98
07 72 38 13-1532	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,409.79	116.98
07 72 38 13-1533	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,503.57	116.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1534	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,597.35	116.98
07 72 38 13-1535	EA	24" x 36" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,691.14	116.98
07 72 38 13-1536	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,047.07	116.98
07 72 38 13-1537	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,140.86	116.98
07 72 38 13-1538	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,234.64	116.98
07 72 38 13-1539	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,328.42	116.98
07 72 38 13-1540	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,422.20	116.98
07 72 38 13-1541	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,515.99	116.98
07 72 38 13-1542	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,609.77	116.98
07 72 38 13-1543	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,703.55	116.98
07 72 38 13-1544	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,797.34	116.98
07 72 38 13-1545	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,891.12	116.98
07 72 38 13-1546	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,984.90	116.98
07 72 38 13-1547	EA	24" x 36" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,078.68	116.98
07 72 38 13-1548	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,127.13	130.17
07 72 38 13-1549	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,220.92	130.17
07 72 38 13-1550	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,314.70	130.17
07 72 38 13-1551	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,408.48	130.17
07 72 38 13-1552	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,502.26	130.17
07 72 38 13-1553	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,596.05	130.17
07 72 38 13-1554	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,689.83	130.17
07 72 38 13-1555	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,783.61	130.17
07 72 38 13-1556	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,877.40	130.17
07 72 38 13-1557	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,971.18	130.17
07 72 38 13-1558	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,064.96	130.17
07 72 38 13-1559	EA	30" x 42" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,158.74	130.17
07 72 38 13-1560	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,514.68	130.17
07 72 38 13-1561	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,608.46	130.17
07 72 38 13-1562	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,702.25	130.17
07 72 38 13-1563	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,796.03	130.17
07 72 38 13-1564	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,889.81	130.17
07 72 38 13-1565	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,983.59	130.17
07 72 38 13-1566	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,077.38	130.17
07 72 38 13-1567	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,171.16	130.17
07 72 38 13-1568	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,264.94	130.17
07 72 38 13-1569	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,358.73	130.17
07 72 38 13-1570	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,452.51	130.17
07 72 38 13-1571	EA	30" x 42" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,546.29	130.17
07 72 38 13-1572	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,656.14	130.17
07 72 38 13-1573	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,767.25	141.60
07 72 38 13-1574	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,861.03	141.60
07 72 38 13-1575	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,954.81	141.60
07 72 38 13-1576	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,048.60	141.60
07 72 38 13-1577	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,142.38	141.60
07 72 38 13-1578	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,236.16	141.60
07 72 38 13-1579	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,329.95	141.60
07 72 38 13-1580	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,423.73	141.60
07 72 38 13-1581	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,517.51	141.60
07 72 38 13-1582	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,611.29	141.60
07 72 38 13-1583	EA	36" x 48" Gabled Roof Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,705.08	141.60
07 72 38 13-1584	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,061.01	141.60
07 72 38 13-1585	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,154.80	141.60
07 72 38 13-1586	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,248.58	141.60
07 72 38 13-1587	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,342.36	141.60
07 72 38 13-1588	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,436.14	141.60
07 72 38 13-1589	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,529.93	141.60
07 72 38 13-1590	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,623.71	141.60
07 72 38 13-1591	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,717.49	141.60
07 72 38 13-1592	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,811.28	141.60
07 72 38 13-1593	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,905.06	141.60
07 72 38 13-1594	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,998.84	141.60
07 72 38 13-1595	EA	36" x 48" Gabled Roof Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,092.62	141.60
07 72 38 13-1596		**Pedimented Copper Roof Dormer Vent** *(07 72 38 13-0001)*		
07 72 38 13-1597	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,110.14	76.51
07 72 38 13-1598	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,203.92	76.51
07 72 38 13-1599	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,297.71	76.51
07 72 38 13-1600	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,391.49	76.51
07 72 38 13-1601	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,485.27	76.51
07 72 38 13-1602	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,579.06	76.51
07 72 38 13-1603	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,672.84	76.51
07 72 38 13-1604	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,766.62	76.51
07 72 38 13-1605	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,860.40	76.51
07 72 38 13-1606	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,954.19	76.51
07 72 38 13-1607	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,047.97	76.51
07 72 38 13-1608	EA	12" x 18" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,141.75	76.51
07 72 38 13-1609	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,497.69	76.51
07 72 38 13-1610	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,591.47	76.51
07 72 38 13-1611	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,685.26	76.51
07 72 38 13-1612	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,779.04	76.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1613	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,872.82	76.51
07 72 38 13-1614	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,966.60	76.51
07 72 38 13-1615	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,060.39	76.51
07 72 38 13-1616	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,154.17	76.51
07 72 38 13-1617	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,247.95	76.51
07 72 38 13-1618	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,341.73	76.51
07 72 38 13-1619	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,435.52	76.51
07 72 38 13-1620	EA	12" x 18" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,529.30	76.51
07 72 38 13-1621	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,328.18	91.47
07 72 38 13-1622	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,421.96	91.47
07 72 38 13-1623	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,515.75	91.47
07 72 38 13-1624	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,609.53	91.47
07 72 38 13-1625	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,703.31	91.47
07 72 38 13-1626	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,797.09	91.47
07 72 38 13-1627	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,890.88	91.47
07 72 38 13-1628	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,984.66	91.47
07 72 38 13-1629	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,078.44	91.47
07 72 38 13-1630	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,172.23	91.47
07 72 38 13-1631	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,266.01	91.47
07 72 38 13-1632	EA	15" x 21" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,359.79	91.47
07 72 38 13-1633	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,715.73	91.47
07 72 38 13-1634	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,809.51	91.47
07 72 38 13-1635	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,903.29	91.47
07 72 38 13-1636	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,997.08	91.47
07 72 38 13-1637	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,090.86	91.47
07 72 38 13-1638	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,184.64	91.47
07 72 38 13-1639	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,278.42	91.47
07 72 38 13-1640	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,372.21	91.47
07 72 38 13-1641	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,465.99	91.47
07 72 38 13-1642	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,559.77	91.47
07 72 38 13-1643	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,653.56	91.47
07 72 38 13-1644	EA	15" x 21" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,747.34	91.47
07 72 38 13-1645	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,683.00	102.90
07 72 38 13-1646	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,776.78	102.90
07 72 38 13-1647	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,870.57	102.90
07 72 38 13-1648	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,964.35	102.90
07 72 38 13-1649	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,058.13	102.90
07 72 38 13-1650	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,151.91	102.90
07 72 38 13-1651	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,245.70	102.90
07 72 38 13-1652	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,339.48	102.90
07 72 38 13-1653	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,433.26	102.90
07 72 38 13-1654	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,527.04	102.90
07 72 38 13-1655	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,620.83	102.90
07 72 38 13-1656	EA	18" x 27" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,714.61	102.90
07 72 38 13-1657	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,070.55	102.90
07 72 38 13-1658	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,164.33	102.90
07 72 38 13-1659	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,258.11	102.90
07 72 38 13-1660	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,351.90	102.90
07 72 38 13-1661	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,445.68	102.90
07 72 38 13-1662	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,539.46	102.90
07 72 38 13-1663	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,633.24	102.90
07 72 38 13-1664	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,727.03	102.90
07 72 38 13-1665	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,820.81	102.90
07 72 38 13-1666	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,914.59	102.90
07 72 38 13-1667	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,008.38	102.90
07 72 38 13-1668	EA	18" x 27" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,102.16	102.90
07 72 38 13-1669	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,450.34	116.98
07 72 38 13-1670	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	2,544.12	116.98
07 72 38 13-1671	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	2,637.90	116.98
07 72 38 13-1672	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,731.69	116.98
07 72 38 13-1673	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,825.47	116.98
07 72 38 13-1674	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,919.25	116.98
07 72 38 13-1675	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,013.03	116.98
07 72 38 13-1676	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,106.82	116.98
07 72 38 13-1677	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	3,200.60	116.98
07 72 38 13-1678	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,294.38	116.98
07 72 38 13-1679	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,388.17	116.98
07 72 38 13-1680	EA	24" x 36" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,481.95	116.98
07 72 38 13-1681	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	2,837.89	116.98
07 72 38 13-1682	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,931.67	116.98
07 72 38 13-1683	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,025.45	116.98
07 72 38 13-1684	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,119.23	116.98
07 72 38 13-1685	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	3,213.02	116.98
07 72 38 13-1686	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	3,306.80	116.98
07 72 38 13-1687	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,400.58	116.98
07 72 38 13-1688	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,494.36	116.98
07 72 38 13-1689	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,588.15	116.98
07 72 38 13-1690	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,681.93	116.98
07 72 38 13-1691	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,775.71	116.98
07 72 38 13-1692	EA	24" x 36" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,869.50	116.98
07 72 38 13-1693	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	3,251.88	130.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1694	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,345.66	130.17
07 72 38 13-1695	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,439.45	130.17
07 72 38 13-1696	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,533.23	130.17
07 72 38 13-1697	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,627.01	130.17
07 72 38 13-1698	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,720.80	130.17
07 72 38 13-1699	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	3,814.58	130.17
07 72 38 13-1700	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	3,908.36	130.17
07 72 38 13-1701	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	4,002.14	130.17
07 72 38 13-1702	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	4,095.93	130.17
07 72 38 13-1703	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,189.71	130.17
07 72 38 13-1704	EA	30" x 42" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	4,283.49	130.17
07 72 38 13-1705	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,639.43	130.17
07 72 38 13-1706	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,733.21	130.17
07 72 38 13-1707	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,826.99	130.17
07 72 38 13-1708	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	3,920.78	130.17
07 72 38 13-1709	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	4,014.56	130.17
07 72 38 13-1710	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	4,108.34	130.17
07 72 38 13-1711	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,202.13	130.17
07 72 38 13-1712	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,295.91	130.17
07 72 38 13-1713	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,389.69	130.17
07 72 38 13-1714	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	4,483.47	130.17
07 72 38 13-1715	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	4,577.26	130.17
07 72 38 13-1716	EA	30" x 42" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,671.04	130.17
07 72 38 13-1717	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	4,175.54	130.17
07 72 38 13-1718	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	4,286.65	141.60
07 72 38 13-1719	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	4,380.43	141.60
07 72 38 13-1720	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	4,474.21	141.60
07 72 38 13-1721	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	4,568.00	141.60
07 72 38 13-1722	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	4,661.78	141.60
07 72 38 13-1723	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	4,755.56	141.60
07 72 38 13-1724	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	4,849.35	141.60
07 72 38 13-1725	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	4,943.13	141.60
07 72 38 13-1726	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	5,036.91	141.60
07 72 38 13-1727	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	5,130.69	141.60
07 72 38 13-1728	EA	36" x 48" Pedimented Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	5,224.48	141.60
07 72 38 13-1729	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	4,580.41	141.60
07 72 38 13-1730	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	4,674.20	141.60
07 72 38 13-1731	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	4,767.98	141.60
07 72 38 13-1732	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	4,861.76	141.60
07 72 38 13-1733	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	4,955.54	141.60
07 72 38 13-1734	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	5,049.33	141.60
07 72 38 13-1735	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	5,143.11	141.60
07 72 38 13-1736	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	5,236.89	141.60
07 72 38 13-1737	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	5,330.68	141.60
07 72 38 13-1738	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	5,424.46	141.60
07 72 38 13-1739	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	5,518.24	141.60
07 72 38 13-1740	EA	36" x 48" Pedimented Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	5,612.02	141.60

07 72 38 13-1741 Mantle Clock Copper Roof Dormer Vent *(07 72 38 13-0001)*

07 72 38 13-1742	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,163.29	116.98
07 72 38 13-1743	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,351.35	116.98
07 72 38 13-1744	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,539.42	116.98
07 72 38 13-1745	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,727.49	116.98
07 72 38 13-1746	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,915.56	116.98
07 72 38 13-1747	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,103.63	116.98
07 72 38 13-1748	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,291.69	116.98
07 72 38 13-1749	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,479.76	116.98
07 72 38 13-1750	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,667.83	116.98
07 72 38 13-1751	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,855.90	116.98
07 72 38 13-1752	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,043.97	116.98
07 72 38 13-1753	EA	30" x 36" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,232.03	116.98
07 72 38 13-1754	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,665.66	116.98
07 72 38 13-1755	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,853.73	116.98
07 72 38 13-1756	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,041.80	116.98
07 72 38 13-1757	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,229.87	116.98
07 72 38 13-1758	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,417.93	116.98
07 72 38 13-1759	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,606.00	116.98
07 72 38 13-1760	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,794.07	116.98
07 72 38 13-1761	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,982.14	116.98
07 72 38 13-1762	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,170.21	116.98
07 72 38 13-1763	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,358.27	116.98
07 72 38 13-1764	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,546.34	116.98
07 72 38 13-1765	EA	30" x 36" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	3,734.41	116.98
07 72 38 13-1766	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,477.81	130.17
07 72 38 13-1767	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,665.88	130.17
07 72 38 13-1768	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,853.95	130.17
07 72 38 13-1769	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	2,042.02	130.17
07 72 38 13-1770	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	2,230.08	130.17
07 72 38 13-1771	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	2,418.15	130.17
07 72 38 13-1772	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	2,606.22	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1773	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	2,794.29	130.17
07 72 38 13-1774	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	2,982.36	130.17
07 72 38 13-1775	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	3,170.42	130.17
07 72 38 13-1776	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	3,358.49	130.17
07 72 38 13-1777	EA	36" x 42" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	3,546.56	130.17
07 72 38 13-1778	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,980.19	130.17
07 72 38 13-1779	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	2,168.26	130.17
07 72 38 13-1780	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	2,356.32	130.17
07 72 38 13-1781	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	2,544.39	130.17
07 72 38 13-1782	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	2,732.46	130.17
07 72 38 13-1783	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	2,920.53	130.17
07 72 38 13-1784	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	3,108.60	130.17
07 72 38 13-1785	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	3,296.66	130.17
07 72 38 13-1786	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	3,484.73	130.17
07 72 38 13-1787	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	3,672.80	130.17
07 72 38 13-1788	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	3,860.87	130.17
07 72 38 13-1789	EA	36" x 42" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	4,048.94	130.17
07 72 38 13-1790	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	2,953.18	130.17
07 72 38 13-1791	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	3,158.58	141.60
07 72 38 13-1792	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	3,346.65	141.60
07 72 38 13-1793	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	3,534.72	141.60
07 72 38 13-1794	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	3,722.79	141.60
07 72 38 13-1795	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	3,910.85	141.60
07 72 38 13-1796	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	4,098.92	141.60
07 72 38 13-1797	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	4,286.99	141.60
07 72 38 13-1798	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	4,475.06	141.60
07 72 38 13-1799	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	4,663.13	141.60
07 72 38 13-1800	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	4,851.19	141.60
07 72 38 13-1801	EA	42" x 49" Mantle Clock Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	5,039.26	141.60
07 72 38 13-1802	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	3,472.89	141.60
07 72 38 13-1803	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	3,660.96	141.60
07 72 38 13-1804	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	3,849.03	141.60
07 72 38 13-1805	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	4,037.09	141.60
07 72 38 13-1806	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	4,225.16	141.60
07 72 38 13-1807	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	4,413.23	141.60
07 72 38 13-1808	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	4,601.30	141.60
07 72 38 13-1809	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	4,789.37	141.60
07 72 38 13-1810	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	4,977.43	141.60
07 72 38 13-1811	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	5,165.50	141.60
07 72 38 13-1812	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	5,353.57	141.60
07 72 38 13-1813	EA	42" x 49" Mantle Clock Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	5,541.64	141.60

07 72 38 13-1814 Aluminum Roof Dormer Vent *(07 72 38 13)*

Note: Includes insect screen on the inside of the louvers, 0.032 Kynar finish Aluminum and fabricated with sturdy wooden framing.

07 72 38 13-1815 Half Round Aluminum Roof Dormer Vent *(07 72 38 13-1814)*

07 72 38 13-1816	EA	18" Half Round Aluminum Dormer Vents, 16/12 Slope	566.55	76.51
07 72 38 13-1817	EA	18" Half Round Aluminum Dormer Vents, 15/12 Slope	781.66	76.51
07 72 38 13-1818	EA	18" Half Round Aluminum Dormer Vents, 14/12 Slope	1,025.66	76.51
07 72 38 13-1819	EA	18" Half Round Aluminum Dormer Vents, 13/12 Slope	1,208.67	76.51
07 72 38 13-1820	EA	18" Half Round Aluminum Dormer Vents, 12/12 Slope	1,426.99	76.51
07 72 38 13-1821	EA	18" Half Round Aluminum Dormer Vents, 11/12 Slope	1,638.89	76.51
07 72 38 13-1822	EA	18" Half Round Aluminum Dormer Vents, 10/12 Slope	1,854.00	76.51
07 72 38 13-1823	EA	18" Half Round Aluminum Dormer Vents, 9/12 Slope	2,069.11	76.51
07 72 38 13-1824	EA	18" Half Round Aluminum Dormer Vents, 8/12 Slope	2,284.22	76.51
07 72 38 13-1825	EA	18" Half Round Aluminum Dormer Vents, 7/12 Slope	2,496.12	76.51
07 72 38 13-1826	EA	18" Half Round Aluminum Dormer Vents, 6/12 Slope	2,711.23	76.51
07 72 38 13-1827	EA	18" Half Round Aluminum Dormer Vents, 5/12 Slope	2,926.34	76.51
07 72 38 13-1828	EA	24" Half Round Aluminum Dormer Vents, 16/12 Slope	668.72	91.47
07 72 38 13-1829	EA	24" Half Round Aluminum Dormer Vents, 15/12 Slope	883.83	91.47
07 72 38 13-1830	EA	24" Half Round Aluminum Dormer Vents, 14/12 Slope	1,127.84	91.47
07 72 38 13-1831	EA	24" Half Round Aluminum Dormer Vents, 13/12 Slope	1,310.84	91.47
07 72 38 13-1832	EA	24" Half Round Aluminum Dormer Vents, 12/12 Slope	1,529.17	91.47
07 72 38 13-1833	EA	24" Half Round Aluminum Dormer Vents, 11/12 Slope	1,741.06	91.47
07 72 38 13-1834	EA	24" Half Round Aluminum Dormer Vents, 10/12 Slope	1,956.17	91.47
07 72 38 13-1835	EA	24" Half Round Aluminum Dormer Vents, 9/12 Slope	2,171.29	91.47
07 72 38 13-1836	EA	24" Half Round Aluminum Dormer Vents, 8/12 Slope	2,386.40	91.47
07 72 38 13-1837	EA	24" Half Round Aluminum Dormer Vents, 7/12 Slope	2,598.29	91.47
07 72 38 13-1838	EA	24" Half Round Aluminum Dormer Vents, 6/12 Slope	2,813.41	91.47
07 72 38 13-1839	EA	24" Half Round Aluminum Dormer Vents, 5/12 Slope	3,028.52	91.47
07 72 38 13-1840	EA	30" Half Round Aluminum Dormer Vents, 16/12 Slope	779.61	102.90
07 72 38 13-1841	EA	30" Half Round Aluminum Dormer Vents, 15/12 Slope	994.72	102.90
07 72 38 13-1842	EA	30" Half Round Aluminum Dormer Vents, 14/12 Slope	1,238.73	102.90
07 72 38 13-1843	EA	30" Half Round Aluminum Dormer Vents, 13/12 Slope	1,421.73	102.90
07 72 38 13-1844	EA	30" Half Round Aluminum Dormer Vents, 12/12 Slope	1,640.05	102.90
07 72 38 13-1845	EA	30" Half Round Aluminum Dormer Vents, 11/12 Slope	1,851.95	102.90
07 72 38 13-1846	EA	30" Half Round Aluminum Dormer Vents, 10/12 Slope	2,067.06	102.90
07 72 38 13-1847	EA	30" Half Round Aluminum Dormer Vents, 9/12 Slope	2,282.17	102.90
07 72 38 13-1848	EA	30" Half Round Aluminum Dormer Vents, 8/12 Slope	2,497.28	102.90
07 72 38 13-1849	EA	30" Half Round Aluminum Dormer Vents, 7/12 Slope	2,709.18	102.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1850	EA	30" Half Round Aluminum Dormer Vents, 6/12 Slope	2,924.29	102.90
07 72 38 13-1851	EA	30" Half Round Aluminum Dormer Vents, 5/12 Slope	3,139.40	102.90
07 72 38 13-1852	EA	36" Half Round Aluminum Dormer Vents, 16/12 Slope	910.98	116.98
07 72 38 13-1853	EA	36" Half Round Aluminum Dormer Vents, 15/12 Slope	1,126.09	116.98
07 72 38 13-1854	EA	36" Half Round Aluminum Dormer Vents, 14/12 Slope	1,370.10	116.98
07 72 38 13-1855	EA	36" Half Round Aluminum Dormer Vents, 13/12 Slope	1,553.10	116.98
07 72 38 13-1856	EA	36" Half Round Aluminum Dormer Vents, 12/12 Slope	1,771.42	116.98
07 72 38 13-1857	EA	36" Half Round Aluminum Dormer Vents, 11/12 Slope	1,983.32	116.98
07 72 38 13-1858	EA	36" Half Round Aluminum Dormer Vents, 10/12 Slope	2,198.43	116.98
07 72 38 13-1859	EA	36" Half Round Aluminum Dormer Vents, 9/12 Slope	2,413.54	116.98
07 72 38 13-1860	EA	36" Half Round Aluminum Dormer Vents, 8/12 Slope	2,628.65	116.98
07 72 38 13-1861	EA	36" Half Round Aluminum Dormer Vents, 7/12 Slope	2,840.55	116.98
07 72 38 13-1862	EA	36" Half Round Aluminum Dormer Vents, 6/12 Slope	3,055.66	116.98
07 72 38 13-1863	EA	36" Half Round Aluminum Dormer Vents, 5/12 Slope	3,270.77	116.98
07 72 38 13-1864	EA	42" Half Round Aluminum Dormer Vents, 16/12 Slope	1,483.74	130.17
07 72 38 13-1865	EA	42" Half Round Aluminum Dormer Vents, 15/12 Slope	1,698.85	130.17
07 72 38 13-1866	EA	42" Half Round Aluminum Dormer Vents, 14/12 Slope	1,942.86	130.17
07 72 38 13-1867	EA	42" Half Round Aluminum Dormer Vents, 13/12 Slope	2,125.86	130.17
07 72 38 13-1868	EA	42" Half Round Aluminum Dormer Vents, 12/12 Slope	2,344.18	130.17
07 72 38 13-1869	EA	42" Half Round Aluminum Dormer Vents, 11/12 Slope	2,556.08	130.17
07 72 38 13-1870	EA	42" Half Round Aluminum Dormer Vents, 10/12 Slope	2,771.19	130.17
07 72 38 13-1871	EA	42" Half Round Aluminum Dormer Vents, 9/12 Slope	2,986.30	130.17
07 72 38 13-1872	EA	42" Half Round Aluminum Dormer Vents, 8/12 Slope	3,201.41	130.17
07 72 38 13-1873	EA	42" Half Round Aluminum Dormer Vents, 7/12 Slope	3,413.31	130.17
07 72 38 13-1874	EA	42" Half Round Aluminum Dormer Vents, 6/12 Slope	3,628.42	130.17
07 72 38 13-1875	EA	42" Half Round Aluminum Dormer Vents, 5/12 Slope	3,843.53	130.17
07 72 38 13-1876	EA	48" Half Round Aluminum Dormer Vents, 16/12 Slope	2,121.56	130.17
07 72 38 13-1877	EA	48" Half Round Aluminum Dormer Vents, 15/12 Slope	2,354.00	141.60
07 72 38 13-1878	EA	48" Half Round Aluminum Dormer Vents, 14/12 Slope	2,598.00	141.60
07 72 38 13-1879	EA	48" Half Round Aluminum Dormer Vents, 13/12 Slope	2,781.01	141.60
07 72 38 13-1880	EA	48" Half Round Aluminum Dormer Vents, 12/12 Slope	2,999.33	141.60
07 72 38 13-1881	EA	48" Half Round Aluminum Dormer Vents, 11/12 Slope	3,211.23	141.60
07 72 38 13-1882	EA	48" Half Round Aluminum Dormer Vents, 10/12 Slope	3,426.34	141.60
07 72 38 13-1883	EA	48" Half Round Aluminum Dormer Vents, 9/12 Slope	3,641.45	141.60
07 72 38 13-1884	EA	48" Half Round Aluminum Dormer Vents, 8/12 Slope	3,856.56	141.60
07 72 38 13-1885	EA	48" Half Round Aluminum Dormer Vents, 7/12 Slope	4,068.46	141.60
07 72 38 13-1886	EA	48" Half Round Aluminum Dormer Vents, 6/12 Slope	4,283.57	141.60
07 72 38 13-1887	EA	48" Half Round Aluminum Dormer Vents, 5/12 Slope	4,498.68	141.60

07 72 38 13-1888 Triangle Aluminum Roof Dormer Vent *(07 72 38 13-1814)*

07 72 38 13-1889	EA	18" x 9" Triangle Aluminum Dormer Vents, 16/12 Slope	1,264.53	76.51
07 72 38 13-1890	EA	18" x 9" Triangle Aluminum Dormer Vents, 15/12 Slope	1,479.64	76.51
07 72 38 13-1891	EA	18" x 9" Triangle Aluminum Dormer Vents, 14/12 Slope	1,723.65	76.51
07 72 38 13-1892	EA	18" x 9" Triangle Aluminum Dormer Vents, 13/12 Slope	1,906.65	76.51
07 72 38 13-1893	EA	18" x 9" Triangle Aluminum Dormer Vents, 12/12 Slope	2,124.97	76.51
07 72 38 13-1894	EA	18" x 9" Triangle Aluminum Dormer Vents, 11/12 Slope	2,336.87	76.51
07 72 38 13-1895	EA	18" x 9" Triangle Aluminum Dormer Vents, 10/12 Slope	2,551.98	76.51
07 72 38 13-1896	EA	18" x 9" Triangle Aluminum Dormer Vents, 9/12 Slope	2,767.09	76.51
07 72 38 13-1897	EA	18" x 9" Triangle Aluminum Dormer Vents, 8/12 Slope	2,982.20	76.51
07 72 38 13-1898	EA	18" x 9" Triangle Aluminum Dormer Vents, 7/12 Slope	3,194.10	76.51
07 72 38 13-1899	EA	18" x 9" Triangle Aluminum Dormer Vents, 6/12 Slope	3,409.21	76.51
07 72 38 13-1900	EA	18" x 9" Triangle Aluminum Dormer Vents, 5/12 Slope	3,624.32	76.51
07 72 38 13-1901	EA	18" x 12" Triangle Aluminum Dormer Vents, 16/12 Slope	1,363.84	76.51
07 72 38 13-1902	EA	18" x 12" Triangle Aluminum Dormer Vents, 15/12 Slope	1,578.95	76.51
07 72 38 13-1903	EA	18" x 12" Triangle Aluminum Dormer Vents, 14/12 Slope	1,822.95	76.51
07 72 38 13-1904	EA	18" x 12" Triangle Aluminum Dormer Vents, 13/12 Slope	2,005.96	76.51
07 72 38 13-1905	EA	18" x 12" Triangle Aluminum Dormer Vents, 12/12 Slope	2,224.28	76.51
07 72 38 13-1906	EA	18" x 12" Triangle Aluminum Dormer Vents, 11/12 Slope	2,436.18	76.51
07 72 38 13-1907	EA	18" x 12" Triangle Aluminum Dormer Vents, 10/12 Slope	2,651.29	76.51
07 72 38 13-1908	EA	18" x 12" Triangle Aluminum Dormer Vents, 9/12 Slope	2,866.40	76.51
07 72 38 13-1909	EA	18" x 12" Triangle Aluminum Dormer Vents, 8/12 Slope	3,081.51	76.51
07 72 38 13-1910	EA	18" x 12" Triangle Aluminum Dormer Vents, 7/12 Slope	3,293.41	76.51
07 72 38 13-1911	EA	18" x 12" Triangle Aluminum Dormer Vents, 6/12 Slope	3,508.52	76.51
07 72 38 13-1912	EA	18" x 12" Triangle Aluminum Dormer Vents, 5/12 Slope	3,723.63	76.51
07 72 38 13-1913	EA	24" x 12" Triangle Aluminum Dormer Vents, 16/12 Slope	1,518.89	91.47
07 72 38 13-1914	EA	24" x 12" Triangle Aluminum Dormer Vents, 15/12 Slope	1,734.00	91.47
07 72 38 13-1915	EA	24" x 12" Triangle Aluminum Dormer Vents, 14/12 Slope	1,978.01	91.47
07 72 38 13-1916	EA	24" x 12" Triangle Aluminum Dormer Vents, 13/12 Slope	2,161.01	91.47
07 72 38 13-1917	EA	24" x 12" Triangle Aluminum Dormer Vents, 12/12 Slope	2,379.33	91.47
07 72 38 13-1918	EA	24" x 12" Triangle Aluminum Dormer Vents, 11/12 Slope	2,591.23	91.47
07 72 38 13-1919	EA	24" x 12" Triangle Aluminum Dormer Vents, 10/12 Slope	2,806.34	91.47
07 72 38 13-1920	EA	24" x 12" Triangle Aluminum Dormer Vents, 9/12 Slope	3,021.45	91.47
07 72 38 13-1921	EA	24" x 12" Triangle Aluminum Dormer Vents, 8/12 Slope	3,236.56	91.47
07 72 38 13-1922	EA	24" x 12" Triangle Aluminum Dormer Vents, 7/12 Slope	3,448.46	91.47
07 72 38 13-1923	EA	24" x 12" Triangle Aluminum Dormer Vents, 6/12 Slope	3,663.57	91.47
07 72 38 13-1924	EA	24" x 12" Triangle Aluminum Dormer Vents, 5/12 Slope	3,878.68	91.47
07 72 38 13-1925	EA	24" x 16" Triangle Aluminum Dormer Vents, 16/12 Slope	1,695.41	91.47
07 72 38 13-1926	EA	24" x 16" Triangle Aluminum Dormer Vents, 15/12 Slope	1,910.52	91.47
07 72 38 13-1927	EA	24" x 16" Triangle Aluminum Dormer Vents, 14/12 Slope	2,154.53	91.47
07 72 38 13-1928	EA	24" x 16" Triangle Aluminum Dormer Vents, 13/12 Slope	2,337.53	91.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-1929	EA	24" x 16" Triangle Aluminum Dormer Vents, 12/12 Slope	2,555.85	91.47
07 72 38 13-1930	EA	24" x 16" Triangle Aluminum Dormer Vents, 11/12 Slope	2,767.75	91.47
07 72 38 13-1931	EA	24" x 16" Triangle Aluminum Dormer Vents, 10/12 Slope	2,982.86	91.47
07 72 38 13-1932	EA	24" x 16" Triangle Aluminum Dormer Vents, 9/12 Slope	3,197.97	91.47
07 72 38 13-1933	EA	24" x 16" Triangle Aluminum Dormer Vents, 8/12 Slope	3,413.08	91.47
07 72 38 13-1934	EA	24" x 16" Triangle Aluminum Dormer Vents, 7/12 Slope	3,624.98	91.47
07 72 38 13-1935	EA	24" x 16" Triangle Aluminum Dormer Vents, 6/12 Slope	3,840.09	91.47
07 72 38 13-1936	EA	24" x 16" Triangle Aluminum Dormer Vents, 5/12 Slope	4,055.20	91.47
07 72 38 13-1937	EA	30" x 15" Triangle Aluminum Dormer Vents, 16/12 Slope	1,834.13	102.90
07 72 38 13-1938	EA	30" x 15" Triangle Aluminum Dormer Vents, 15/12 Slope	2,049.24	102.90
07 72 38 13-1939	EA	30" x 15" Triangle Aluminum Dormer Vents, 14/12 Slope	2,293.25	102.90
07 72 38 13-1940	EA	30" x 15" Triangle Aluminum Dormer Vents, 13/12 Slope	2,476.25	102.90
07 72 38 13-1941	EA	30" x 15" Triangle Aluminum Dormer Vents, 12/12 Slope	2,694.57	102.90
07 72 38 13-1942	EA	30" x 15" Triangle Aluminum Dormer Vents, 11/12 Slope	2,906.47	102.90
07 72 38 13-1943	EA	30" x 15" Triangle Aluminum Dormer Vents, 10/12 Slope	3,121.58	102.90
07 72 38 13-1944	EA	30" x 15" Triangle Aluminum Dormer Vents, 9/12 Slope	3,336.69	102.90
07 72 38 13-1945	EA	30" x 15" Triangle Aluminum Dormer Vents, 8/12 Slope	3,551.80	102.90
07 72 38 13-1946	EA	30" x 15" Triangle Aluminum Dormer Vents, 7/12 Slope	3,763.70	102.90
07 72 38 13-1947	EA	30" x 15" Triangle Aluminum Dormer Vents, 6/12 Slope	3,978.81	102.90
07 72 38 13-1948	EA	30" x 15" Triangle Aluminum Dormer Vents, 5/12 Slope	4,193.92	102.90
07 72 38 13-1949	EA	30" x 20" Triangle Aluminum Dormer Vents, 16/12 Slope	2,109.96	102.90
07 72 38 13-1950	EA	30" x 20" Triangle Aluminum Dormer Vents, 15/12 Slope	2,325.07	102.90
07 72 38 13-1951	EA	30" x 20" Triangle Aluminum Dormer Vents, 14/12 Slope	2,569.07	102.90
07 72 38 13-1952	EA	30" x 20" Triangle Aluminum Dormer Vents, 13/12 Slope	2,752.08	102.90
07 72 38 13-1953	EA	30" x 20" Triangle Aluminum Dormer Vents, 12/12 Slope	2,970.40	102.90
07 72 38 13-1954	EA	30" x 20" Triangle Aluminum Dormer Vents, 11/12 Slope	3,182.30	102.90
07 72 38 13-1955	EA	30" x 20" Triangle Aluminum Dormer Vents, 10/12 Slope	3,397.41	102.90
07 72 38 13-1956	EA	30" x 20" Triangle Aluminum Dormer Vents, 9/12 Slope	3,612.52	102.90
07 72 38 13-1957	EA	30" x 20" Triangle Aluminum Dormer Vents, 8/12 Slope	3,827.63	102.90
07 72 38 13-1958	EA	30" x 20" Triangle Aluminum Dormer Vents, 7/12 Slope	4,039.53	102.90
07 72 38 13-1959	EA	30" x 20" Triangle Aluminum Dormer Vents, 6/12 Slope	4,254.64	102.90
07 72 38 13-1960	EA	30" x 20" Triangle Aluminum Dormer Vents, 5/12 Slope	4,469.75	102.90
07 72 38 13-1961	EA	36" x 18" Triangle Aluminum Dormer Vents, 16/12 Slope	2,219.52	116.98
07 72 38 13-1962	EA	36" x 18" Triangle Aluminum Dormer Vents, 15/12 Slope	2,434.63	116.98
07 72 38 13-1963	EA	36" x 18" Triangle Aluminum Dormer Vents, 14/12 Slope	2,678.64	116.98
07 72 38 13-1964	EA	36" x 18" Triangle Aluminum Dormer Vents, 13/12 Slope	2,861.64	116.98
07 72 38 13-1965	EA	36" x 18" Triangle Aluminum Dormer Vents, 12/12 Slope	3,079.97	116.98
07 72 38 13-1966	EA	36" x 18" Triangle Aluminum Dormer Vents, 11/12 Slope	3,291.87	116.98
07 72 38 13-1967	EA	36" x 18" Triangle Aluminum Dormer Vents, 10/12 Slope	3,506.98	116.98
07 72 38 13-1968	EA	36" x 18" Triangle Aluminum Dormer Vents, 9/12 Slope	3,722.09	116.98
07 72 38 13-1969	EA	36" x 18" Triangle Aluminum Dormer Vents, 8/12 Slope	3,937.20	116.98
07 72 38 13-1970	EA	36" x 18" Triangle Aluminum Dormer Vents, 7/12 Slope	4,149.10	116.98
07 72 38 13-1971	EA	36" x 18" Triangle Aluminum Dormer Vents, 6/12 Slope	4,364.21	116.98
07 72 38 13-1972	EA	36" x 18" Triangle Aluminum Dormer Vents, 5/12 Slope	4,579.32	116.98
07 72 38 13-1973	EA	36" x 24" Triangle Aluminum Dormer Vents, 16/12 Slope	2,616.74	116.98
07 72 38 13-1974	EA	36" x 24" Triangle Aluminum Dormer Vents, 15/12 Slope	2,831.85	116.98
07 72 38 13-1975	EA	36" x 24" Triangle Aluminum Dormer Vents, 14/12 Slope	3,075.86	116.98
07 72 38 13-1976	EA	36" x 24" Triangle Aluminum Dormer Vents, 13/12 Slope	3,258.86	116.98
07 72 38 13-1977	EA	36" x 24" Triangle Aluminum Dormer Vents, 12/12 Slope	3,477.18	116.98
07 72 38 13-1978	EA	36" x 24" Triangle Aluminum Dormer Vents, 11/12 Slope	3,689.08	116.98
07 72 38 13-1979	EA	36" x 24" Triangle Aluminum Dormer Vents, 10/12 Slope	3,904.19	116.98
07 72 38 13-1980	EA	36" x 24" Triangle Aluminum Dormer Vents, 9/12 Slope	4,119.30	116.98
07 72 38 13-1981	EA	36" x 24" Triangle Aluminum Dormer Vents, 8/12 Slope	4,334.41	116.98
07 72 38 13-1982	EA	36" x 24" Triangle Aluminum Dormer Vents, 7/12 Slope	4,546.31	116.98
07 72 38 13-1983	EA	36" x 24" Triangle Aluminum Dormer Vents, 6/12 Slope	4,761.42	116.98
07 72 38 13-1984	EA	36" x 24" Triangle Aluminum Dormer Vents, 5/12 Slope	4,976.53	116.98
07 72 38 13-1985	EA	42" x 21" Triangle Aluminum Dormer Vents, 16/12 Slope	2,669.83	130.17
07 72 38 13-1986	EA	42" x 21" Triangle Aluminum Dormer Vents, 15/12 Slope	2,884.94	130.17
07 72 38 13-1987	EA	42" x 21" Triangle Aluminum Dormer Vents, 14/12 Slope	3,128.95	130.17
07 72 38 13-1988	EA	42" x 21" Triangle Aluminum Dormer Vents, 13/12 Slope	3,311.95	130.17
07 72 38 13-1989	EA	42" x 21" Triangle Aluminum Dormer Vents, 12/12 Slope	3,530.27	130.17
07 72 38 13-1990	EA	42" x 21" Triangle Aluminum Dormer Vents, 11/12 Slope	3,742.17	130.17
07 72 38 13-1991	EA	42" x 21" Triangle Aluminum Dormer Vents, 10/12 Slope	3,957.28	130.17
07 72 38 13-1992	EA	42" x 21" Triangle Aluminum Dormer Vents, 9/12 Slope	4,172.39	130.17
07 72 38 13-1993	EA	42" x 21" Triangle Aluminum Dormer Vents, 8/12 Slope	4,387.50	130.17
07 72 38 13-1994	EA	42" x 21" Triangle Aluminum Dormer Vents, 7/12 Slope	4,599.40	130.17
07 72 38 13-1995	EA	42" x 21" Triangle Aluminum Dormer Vents, 6/12 Slope	4,814.51	130.17
07 72 38 13-1996	EA	42" x 21" Triangle Aluminum Dormer Vents, 5/12 Slope	5,029.62	130.17
07 72 38 13-1997	EA	42" x 28" Triangle Aluminum Dormer Vents, 16/12 Slope	3,210.50	130.17
07 72 38 13-1998	EA	42" x 28" Triangle Aluminum Dormer Vents, 15/12 Slope	3,425.61	130.17
07 72 38 13-1999	EA	42" x 28" Triangle Aluminum Dormer Vents, 14/12 Slope	3,669.61	130.17
07 72 38 13-2000	EA	42" x 28" Triangle Aluminum Dormer Vents, 13/12 Slope	3,852.62	130.17
07 72 38 13-2001	EA	42" x 28" Triangle Aluminum Dormer Vents, 12/12 Slope	4,070.94	130.17
07 72 38 13-2002	EA	42" x 28" Triangle Aluminum Dormer Vents, 11/12 Slope	4,282.84	130.17
07 72 38 13-2003	EA	42" x 28" Triangle Aluminum Dormer Vents, 10/12 Slope	4,497.95	130.17
07 72 38 13-2004	EA	42" x 28" Triangle Aluminum Dormer Vents, 9/12 Slope	4,713.06	130.17
07 72 38 13-2005	EA	42" x 28" Triangle Aluminum Dormer Vents, 8/12 Slope	4,928.17	130.17
07 72 38 13-2006	EA	42" x 28" Triangle Aluminum Dormer Vents, 7/12 Slope	5,140.07	130.17
07 72 38 13-2007	EA	42" x 28" Triangle Aluminum Dormer Vents, 6/12 Slope	5,355.18	130.17
07 72 38 13-2008	EA	42" x 28" Triangle Aluminum Dormer Vents, 5/12 Slope	5,570.29	130.17
07 72 38 13-2009	EA	48" x 24" Triangle Aluminum Dormer Vents, 16/12 Slope	3,166.35	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2010	EA	48" x 24" Triangle Aluminum Dormer Vents, 15/12 Slope	3,398.79	141.60
07 72 38 13-2011	EA	48" x 24" Triangle Aluminum Dormer Vents, 14/12 Slope	3,642.80	141.60
07 72 38 13-2012	EA	48" x 24" Triangle Aluminum Dormer Vents, 13/12 Slope	3,825.80	141.60
07 72 38 13-2013	EA	48" x 24" Triangle Aluminum Dormer Vents, 12/12 Slope	4,044.12	141.60
07 72 38 13-2014	EA	48" x 24" Triangle Aluminum Dormer Vents, 11/12 Slope	4,256.02	141.60
07 72 38 13-2015	EA	48" x 24" Triangle Aluminum Dormer Vents, 10/12 Slope	4,471.13	141.60
07 72 38 13-2016	EA	48" x 24" Triangle Aluminum Dormer Vents, 9/12 Slope	4,686.24	141.60
07 72 38 13-2017	EA	48" x 24" Triangle Aluminum Dormer Vents, 8/12 Slope	4,901.35	141.60
07 72 38 13-2018	EA	48" x 24" Triangle Aluminum Dormer Vents, 7/12 Slope	5,113.25	141.60
07 72 38 13-2019	EA	48" x 24" Triangle Aluminum Dormer Vents, 6/12 Slope	5,328.36	141.60
07 72 38 13-2020	EA	48" x 24" Triangle Aluminum Dormer Vents, 5/12 Slope	5,543.47	141.60
07 72 38 13-2021	EA	48" x 32" Triangle Aluminum Dormer Vents, 16/12 Slope	3,872.49	130.17
07 72 38 13-2022	EA	48" x 32" Triangle Aluminum Dormer Vents, 15/12 Slope	4,104.93	141.60
07 72 38 13-2023	EA	48" x 32" Triangle Aluminum Dormer Vents, 14/12 Slope	4,348.94	141.60
07 72 38 13-2024	EA	48" x 32" Triangle Aluminum Dormer Vents, 13/12 Slope	4,531.94	141.60
07 72 38 13-2025	EA	48" x 32" Triangle Aluminum Dormer Vents, 12/12 Slope	4,750.26	141.60
07 72 38 13-2026	EA	48" x 32" Triangle Aluminum Dormer Vents, 11/12 Slope	4,962.16	141.60
07 72 38 13-2027	EA	48" x 32" Triangle Aluminum Dormer Vents, 10/12 Slope	5,177.27	141.60
07 72 38 13-2028	EA	48" x 32" Triangle Aluminum Dormer Vents, 9/12 Slope	5,392.38	141.60
07 72 38 13-2029	EA	48" x 32" Triangle Aluminum Dormer Vents, 8/12 Slope	5,607.49	141.60
07 72 38 13-2030	EA	48" x 32" Triangle Aluminum Dormer Vents, 7/12 Slope	5,819.39	141.60
07 72 38 13-2031	EA	48" x 32" Triangle Aluminum Dormer Vents, 6/12 Slope	6,034.50	141.60
07 72 38 13-2032	EA	48" x 32" Triangle Aluminum Dormer Vents, 5/12 Slope	6,249.61	141.60
07 72 38 13-2033		**Rectangle Aluminum Roof Dormer Vent** *(07 72 38 13-1814)*		
07 72 38 13-2034	EA	12" x 18" Rectangle Aluminum Dormer Vents, 16/12 Slope	1,380.08	76.51
07 72 38 13-2035	EA	12" x 18" Rectangle Aluminum Dormer Vents, 15/12 Slope	1,511.43	76.51
07 72 38 13-2036	EA	12" x 18" Rectangle Aluminum Dormer Vents, 14/12 Slope	1,642.77	76.51
07 72 38 13-2037	EA	12" x 18" Rectangle Aluminum Dormer Vents, 13/12 Slope	1,774.12	76.51
07 72 38 13-2038	EA	12" x 18" Rectangle Aluminum Dormer Vents, 12/12 Slope	1,905.46	76.51
07 72 38 13-2039	EA	12" x 18" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,036.81	76.51
07 72 38 13-2040	EA	12" x 18" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,168.16	76.51
07 72 38 13-2041	EA	12" x 18" Rectangle Aluminum Dormer Vents, 9/12 Slope	2,299.50	76.51
07 72 38 13-2042	EA	12" x 18" Rectangle Aluminum Dormer Vents, 8/12 Slope	2,430.85	76.51
07 72 38 13-2043	EA	12" x 18" Rectangle Aluminum Dormer Vents, 7/12 Slope	2,562.19	76.51
07 72 38 13-2044	EA	12" x 18" Rectangle Aluminum Dormer Vents, 6/12 Slope	2,693.54	76.51
07 72 38 13-2045	EA	12" x 18" Rectangle Aluminum Dormer Vents, 5/12 Slope	2,824.88	76.51
07 72 38 13-2046	EA	15" x 21" Rectangle Aluminum Dormer Vents, 16/12 Slope	1,650.65	91.47
07 72 38 13-2047	EA	15" x 21" Rectangle Aluminum Dormer Vents, 15/12 Slope	1,782.00	91.47
07 72 38 13-2048	EA	15" x 21" Rectangle Aluminum Dormer Vents, 14/12 Slope	1,913.35	91.47
07 72 38 13-2049	EA	15" x 21" Rectangle Aluminum Dormer Vents, 13/12 Slope	2,044.69	91.47
07 72 38 13-2050	EA	15" x 21" Rectangle Aluminum Dormer Vents, 12/12 Slope	2,176.04	91.47
07 72 38 13-2051	EA	15" x 21" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,307.38	91.47
07 72 38 13-2052	EA	15" x 21" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,438.73	91.47
07 72 38 13-2053	EA	15" x 21" Rectangle Aluminum Dormer Vents, 9/12 Slope	2,570.07	91.47
07 72 38 13-2054	EA	15" x 21" Rectangle Aluminum Dormer Vents, 8/12 Slope	2,701.42	91.47
07 72 38 13-2055	EA	15" x 21" Rectangle Aluminum Dormer Vents, 7/12 Slope	2,832.77	91.47
07 72 38 13-2056	EA	15" x 21" Rectangle Aluminum Dormer Vents, 6/12 Slope	2,964.11	91.47
07 72 38 13-2057	EA	15" x 21" Rectangle Aluminum Dormer Vents, 5/12 Slope	3,095.46	91.47
07 72 38 13-2058	EA	18" x 27" Rectangle Aluminum Dormer Vents, 16/12 Slope	2,096.21	102.90
07 72 38 13-2059	EA	18" x 27" Rectangle Aluminum Dormer Vents, 15/12 Slope	2,227.56	102.90
07 72 38 13-2060	EA	18" x 27" Rectangle Aluminum Dormer Vents, 14/12 Slope	2,358.91	102.90
07 72 38 13-2061	EA	18" x 27" Rectangle Aluminum Dormer Vents, 13/12 Slope	2,490.25	102.90
07 72 38 13-2062	EA	18" x 27" Rectangle Aluminum Dormer Vents, 12/12 Slope	2,621.60	102.90
07 72 38 13-2063	EA	18" x 27" Rectangle Aluminum Dormer Vents, 11/12 Slope	2,752.94	102.90
07 72 38 13-2064	EA	18" x 27" Rectangle Aluminum Dormer Vents, 10/12 Slope	2,884.29	102.90
07 72 38 13-2065	EA	18" x 27" Rectangle Aluminum Dormer Vents, 9/12 Slope	3,015.63	102.90
07 72 38 13-2066	EA	18" x 27" Rectangle Aluminum Dormer Vents, 8/12 Slope	3,146.98	102.90
07 72 38 13-2067	EA	18" x 27" Rectangle Aluminum Dormer Vents, 7/12 Slope	3,278.32	102.90
07 72 38 13-2068	EA	18" x 27" Rectangle Aluminum Dormer Vents, 6/12 Slope	3,409.67	102.90
07 72 38 13-2069	EA	18" x 27" Rectangle Aluminum Dormer Vents, 5/12 Slope	3,541.02	102.90
07 72 38 13-2070	EA	24" x 36" Rectangle Aluminum Dormer Vents, 16/12 Slope	3,064.14	116.98
07 72 38 13-2071	EA	24" x 36" Rectangle Aluminum Dormer Vents, 15/12 Slope	3,195.48	116.98
07 72 38 13-2072	EA	24" x 36" Rectangle Aluminum Dormer Vents, 14/12 Slope	3,326.83	116.98
07 72 38 13-2073	EA	24" x 36" Rectangle Aluminum Dormer Vents, 13/12 Slope	3,458.17	116.98
07 72 38 13-2074	EA	24" x 36" Rectangle Aluminum Dormer Vents, 12/12 Slope	3,589.52	116.98
07 72 38 13-2075	EA	24" x 36" Rectangle Aluminum Dormer Vents, 11/12 Slope	3,720.87	116.98
07 72 38 13-2076	EA	24" x 36" Rectangle Aluminum Dormer Vents, 10/12 Slope	3,852.21	116.98
07 72 38 13-2077	EA	24" x 36" Rectangle Aluminum Dormer Vents, 9/12 Slope	3,983.56	116.98
07 72 38 13-2078	EA	24" x 36" Rectangle Aluminum Dormer Vents, 8/12 Slope	4,114.90	116.98
07 72 38 13-2079	EA	24" x 36" Rectangle Aluminum Dormer Vents, 7/12 Slope	4,246.25	116.98
07 72 38 13-2080	EA	24" x 36" Rectangle Aluminum Dormer Vents, 6/12 Slope	4,377.59	116.98
07 72 38 13-2081	EA	24" x 36" Rectangle Aluminum Dormer Vents, 5/12 Slope	4,508.94	116.98
07 72 38 13-2082	EA	30" x 42" Rectangle Aluminum Dormer Vents, 16/12 Slope	4,075.82	130.17
07 72 38 13-2083	EA	30" x 42" Rectangle Aluminum Dormer Vents, 15/12 Slope	4,207.16	130.17
07 72 38 13-2084	EA	30" x 42" Rectangle Aluminum Dormer Vents, 14/12 Slope	4,338.51	130.17
07 72 38 13-2085	EA	30" x 42" Rectangle Aluminum Dormer Vents, 13/12 Slope	4,469.85	130.17
07 72 38 13-2086	EA	30" x 42" Rectangle Aluminum Dormer Vents, 12/12 Slope	4,601.20	130.17
07 72 38 13-2087	EA	30" x 42" Rectangle Aluminum Dormer Vents, 11/12 Slope	4,732.55	130.17
07 72 38 13-2088	EA	30" x 42" Rectangle Aluminum Dormer Vents, 10/12 Slope	4,863.89	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2089	EA	30" x 42" Rectangle Aluminum Dormer Vents, 9/12 Slope	4,995.24	130.17
07 72 38 13-2090	EA	30" x 42" Rectangle Aluminum Dormer Vents, 8/12 Slope	5,126.58	130.17
07 72 38 13-2091	EA	30" x 42" Rectangle Aluminum Dormer Vents, 7/12 Slope	5,257.93	130.17
07 72 38 13-2092	EA	30" x 42" Rectangle Aluminum Dormer Vents, 6/12 Slope	5,389.27	130.17
07 72 38 13-2093	EA	30" x 42" Rectangle Aluminum Dormer Vents, 5/12 Slope	5,520.62	130.17
07 72 38 13-2094	EA	36" x 48" Rectangle Aluminum Dormer Vents, 16/12 Slope	5,247.81	130.17
07 72 38 13-2095	EA	36" x 48" Rectangle Aluminum Dormer Vents, 15/12 Slope	5,396.49	141.60
07 72 38 13-2096	EA	36" x 48" Rectangle Aluminum Dormer Vents, 14/12 Slope	5,527.84	141.60
07 72 38 13-2097	EA	36" x 48" Rectangle Aluminum Dormer Vents, 13/12 Slope	5,659.18	141.60
07 72 38 13-2098	EA	36" x 48" Rectangle Aluminum Dormer Vents, 12/12 Slope	5,790.53	141.60
07 72 38 13-2099	EA	36" x 48" Rectangle Aluminum Dormer Vents, 11/12 Slope	5,921.87	141.60
07 72 38 13-2100	EA	36" x 48" Rectangle Aluminum Dormer Vents, 10/12 Slope	6,053.22	141.60
07 72 38 13-2101	EA	36" x 48" Rectangle Aluminum Dormer Vents, 9/12 Slope	6,184.56	141.60
07 72 38 13-2102	EA	36" x 48" Rectangle Aluminum Dormer Vents, 8/12 Slope	6,315.91	141.60
07 72 38 13-2103	EA	36" x 48" Rectangle Aluminum Dormer Vents, 7/12 Slope	6,447.26	141.60
07 72 38 13-2104	EA	36" x 48" Rectangle Aluminum Dormer Vents, 6/12 Slope	6,578.60	141.60
07 72 38 13-2105	EA	36" x 48" Rectangle Aluminum Dormer Vents, 5/12 Slope	6,709.95	141.60
07 72 38 13-2106		Tombstone Aluminum Roof Dormer Vent *(07 72 38 13-1814)*		
07 72 38 13-2107	EA	12" x 18" Tombstone Aluminum Dormer Vents, 16/12 Slope	1,453.73	76.51
07 72 38 13-2108	EA	12" x 18" Tombstone Aluminum Dormer Vents, 15/12 Slope	1,668.84	76.51
07 72 38 13-2109	EA	12" x 18" Tombstone Aluminum Dormer Vents, 14/12 Slope	1,912.85	76.51
07 72 38 13-2110	EA	12" x 18" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,095.85	76.51
07 72 38 13-2111	EA	12" x 18" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,314.17	76.51
07 72 38 13-2112	EA	12" x 18" Tombstone Aluminum Dormer Vents, 11/12 Slope	2,526.07	76.51
07 72 38 13-2113	EA	12" x 18" Tombstone Aluminum Dormer Vents, 10/12 Slope	2,741.18	76.51
07 72 38 13-2114	EA	12" x 18" Tombstone Aluminum Dormer Vents, 9/12 Slope	2,956.29	76.51
07 72 38 13-2115	EA	12" x 18" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,171.40	76.51
07 72 38 13-2116	EA	12" x 18" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,383.30	76.51
07 72 38 13-2117	EA	12" x 18" Tombstone Aluminum Dormer Vents, 6/12 Slope	3,598.41	76.51
07 72 38 13-2118	EA	12" x 18" Tombstone Aluminum Dormer Vents, 5/12 Slope	3,813.52	76.51
07 72 38 13-2119	EA	15" x 21" Tombstone Aluminum Dormer Vents, 16/12 Slope	1,676.63	91.47
07 72 38 13-2120	EA	15" x 21" Tombstone Aluminum Dormer Vents, 15/12 Slope	1,891.74	91.47
07 72 38 13-2121	EA	15" x 21" Tombstone Aluminum Dormer Vents, 14/12 Slope	2,135.74	91.47
07 72 38 13-2122	EA	15" x 21" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,318.75	91.47
07 72 38 13-2123	EA	15" x 21" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,537.07	91.47
07 72 38 13-2124	EA	15" x 21" Tombstone Aluminum Dormer Vents, 11/12 Slope	2,748.97	91.47
07 72 38 13-2125	EA	15" x 21" Tombstone Aluminum Dormer Vents, 10/12 Slope	2,964.08	91.47
07 72 38 13-2126	EA	15" x 21" Tombstone Aluminum Dormer Vents, 9/12 Slope	3,179.19	91.47
07 72 38 13-2127	EA	15" x 21" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,394.30	91.47
07 72 38 13-2128	EA	15" x 21" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,606.20	91.47
07 72 38 13-2129	EA	15" x 21" Tombstone Aluminum Dormer Vents, 6/12 Slope	3,821.31	91.47
07 72 38 13-2130	EA	15" x 21" Tombstone Aluminum Dormer Vents, 5/12 Slope	4,036.42	91.47
07 72 38 13-2131	EA	18" x 27" Tombstone Aluminum Dormer Vents, 16/12 Slope	2,039.84	102.90
07 72 38 13-2132	EA	18" x 27" Tombstone Aluminum Dormer Vents, 15/12 Slope	2,254.95	102.90
07 72 38 13-2133	EA	18" x 27" Tombstone Aluminum Dormer Vents, 14/12 Slope	2,498.95	102.90
07 72 38 13-2134	EA	18" x 27" Tombstone Aluminum Dormer Vents, 13/12 Slope	2,681.96	102.90
07 72 38 13-2135	EA	18" x 27" Tombstone Aluminum Dormer Vents, 12/12 Slope	2,900.28	102.90
07 72 38 13-2136	EA	18" x 27" Tombstone Aluminum Dormer Vents, 11/12 Slope	3,112.18	102.90
07 72 38 13-2137	EA	18" x 27" Tombstone Aluminum Dormer Vents, 10/12 Slope	3,327.29	102.90
07 72 38 13-2138	EA	18" x 27" Tombstone Aluminum Dormer Vents, 9/12 Slope	3,542.40	102.90
07 72 38 13-2139	EA	18" x 27" Tombstone Aluminum Dormer Vents, 8/12 Slope	3,757.51	102.90
07 72 38 13-2140	EA	18" x 27" Tombstone Aluminum Dormer Vents, 7/12 Slope	3,969.41	102.90
07 72 38 13-2141	EA	18" x 27" Tombstone Aluminum Dormer Vents, 6/12 Slope	4,184.52	102.90
07 72 38 13-2142	EA	18" x 27" Tombstone Aluminum Dormer Vents, 5/12 Slope	4,399.63	102.90
07 72 38 13-2143	EA	24" x 36" Tombstone Aluminum Dormer Vents, 16/12 Slope	2,825.72	116.98
07 72 38 13-2144	EA	24" x 36" Tombstone Aluminum Dormer Vents, 15/12 Slope	3,040.83	116.98
07 72 38 13-2145	EA	24" x 36" Tombstone Aluminum Dormer Vents, 14/12 Slope	3,284.83	116.98
07 72 38 13-2146	EA	24" x 36" Tombstone Aluminum Dormer Vents, 13/12 Slope	3,467.84	116.98
07 72 38 13-2147	EA	24" x 36" Tombstone Aluminum Dormer Vents, 12/12 Slope	3,686.16	116.98
07 72 38 13-2148	EA	24" x 36" Tombstone Aluminum Dormer Vents, 11/12 Slope	3,898.06	116.98
07 72 38 13-2149	EA	24" x 36" Tombstone Aluminum Dormer Vents, 10/12 Slope	4,113.17	116.98
07 72 38 13-2150	EA	24" x 36" Tombstone Aluminum Dormer Vents, 9/12 Slope	4,328.28	116.98
07 72 38 13-2151	EA	24" x 36" Tombstone Aluminum Dormer Vents, 8/12 Slope	4,543.39	116.98
07 72 38 13-2152	EA	24" x 36" Tombstone Aluminum Dormer Vents, 7/12 Slope	4,755.29	116.98
07 72 38 13-2153	EA	24" x 36" Tombstone Aluminum Dormer Vents, 6/12 Slope	4,970.40	116.98
07 72 38 13-2154	EA	24" x 36" Tombstone Aluminum Dormer Vents, 5/12 Slope	5,185.51	116.98
07 72 38 13-2155	EA	30" x 42" Tombstone Aluminum Dormer Vents, 16/12 Slope	3,646.69	130.17
07 72 38 13-2156	EA	30" x 42" Tombstone Aluminum Dormer Vents, 15/12 Slope	3,861.80	130.17
07 72 38 13-2157	EA	30" x 42" Tombstone Aluminum Dormer Vents, 14/12 Slope	4,105.80	130.17
07 72 38 13-2158	EA	30" x 42" Tombstone Aluminum Dormer Vents, 13/12 Slope	4,288.81	130.17
07 72 38 13-2159	EA	30" x 42" Tombstone Aluminum Dormer Vents, 12/12 Slope	4,507.13	130.17
07 72 38 13-2160	EA	30" x 42" Tombstone Aluminum Dormer Vents, 11/12 Slope	4,719.03	130.17
07 72 38 13-2161	EA	30" x 42" Tombstone Aluminum Dormer Vents, 10/12 Slope	4,934.14	130.17
07 72 38 13-2162	EA	30" x 42" Tombstone Aluminum Dormer Vents, 9/12 Slope	5,149.25	130.17
07 72 38 13-2163	EA	30" x 42" Tombstone Aluminum Dormer Vents, 8/12 Slope	5,364.36	130.17
07 72 38 13-2164	EA	30" x 42" Tombstone Aluminum Dormer Vents, 7/12 Slope	5,576.26	130.17
07 72 38 13-2165	EA	30" x 42" Tombstone Aluminum Dormer Vents, 6/12 Slope	5,791.37	130.17
07 72 38 13-2166	EA	30" x 42" Tombstone Aluminum Dormer Vents, 5/12 Slope	6,006.48	130.17
07 72 38 13-2167	EA	36" x 48" Tombstone Aluminum Dormer Vents, 16/12 Slope	4,593.30	130.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2168	EA	36" x 48" Tombstone Aluminum Dormer Vents, 15/12 Slope	4,825.74	141.60
07 72 38 13-2169	EA	36" x 48" Tombstone Aluminum Dormer Vents, 14/12 Slope	5,069.75	141.60
07 72 38 13-2170	EA	36" x 48" Tombstone Aluminum Dormer Vents, 13/12 Slope	5,252.75	141.60
07 72 38 13-2171	EA	36" x 48" Tombstone Aluminum Dormer Vents, 12/12 Slope	5,471.07	141.60
07 72 38 13-2172	EA	36" x 48" Tombstone Aluminum Dormer Vents, 11/12 Slope	5,682.97	141.60
07 72 38 13-2173	EA	36" x 48" Tombstone Aluminum Dormer Vents, 10/12 Slope	5,898.08	141.60
07 72 38 13-2174	EA	36" x 48" Tombstone Aluminum Dormer Vents, 9/12 Slope	6,113.19	141.60
07 72 38 13-2175	EA	36" x 48" Tombstone Aluminum Dormer Vents, 8/12 Slope	6,328.30	141.60
07 72 38 13-2176	EA	36" x 48" Tombstone Aluminum Dormer Vents, 7/12 Slope	6,540.20	141.60
07 72 38 13-2177	EA	36" x 48" Tombstone Aluminum Dormer Vents, 6/12 Slope	6,755.31	141.60
07 72 38 13-2178	EA	36" x 48" Tombstone Aluminum Dormer Vents, 5/12 Slope	6,970.42	141.60

07 72 38 13-2179 Arched Top Aluminum Roof Dormer Vent *(07 72 38 13-1814)*

07 72 38 13-2180	EA	12" x 15" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,386.15	76.51
07 72 38 13-2181	EA	12" x 15" Arched Top Aluminum Dormer Vents, 15/12 Slope	1,583.15	76.51
07 72 38 13-2182	EA	12" x 15" Arched Top Aluminum Dormer Vents, 14/12 Slope	1,780.15	76.51
07 72 38 13-2183	EA	12" x 15" Arched Top Aluminum Dormer Vents, 13/12 Slope	1,977.16	76.51
07 72 38 13-2184	EA	12" x 15" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,174.16	76.51
07 72 38 13-2185	EA	12" x 15" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,371.16	76.51
07 72 38 13-2186	EA	12" x 15" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,568.16	76.51
07 72 38 13-2187	EA	12" x 15" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,765.17	76.51
07 72 38 13-2188	EA	12" x 15" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,962.17	76.51
07 72 38 13-2189	EA	12" x 15" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,159.17	76.51
07 72 38 13-2190	EA	12" x 15" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,356.17	76.51
07 72 38 13-2191	EA	12" x 15" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,553.18	76.51
07 72 38 13-2192	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,620.09	91.47
07 72 38 13-2193	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 15/12 Slope	1,817.09	91.47
07 72 38 13-2194	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,014.09	91.47
07 72 38 13-2195	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,211.10	91.47
07 72 38 13-2196	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,408.10	91.47
07 72 38 13-2197	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,605.10	91.47
07 72 38 13-2198	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,802.10	91.47
07 72 38 13-2199	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,999.11	91.47
07 72 38 13-2200	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 8/12 Slope	3,196.11	91.47
07 72 38 13-2201	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,393.11	91.47
07 72 38 13-2202	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,590.11	91.47
07 72 38 13-2203	EA	15" x 18.75" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,787.12	91.47
07 72 38 13-2204	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,895.68	102.90
07 72 38 13-2205	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,092.68	102.90
07 72 38 13-2206	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,289.68	102.90
07 72 38 13-2207	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,486.69	102.90
07 72 38 13-2208	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,683.69	102.90
07 72 38 13-2209	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,880.69	102.90
07 72 38 13-2210	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 10/12 Slope	3,077.69	102.90
07 72 38 13-2211	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 9/12 Slope	1,898.81	102.61
07 72 38 13-2212	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,008.90	102.61
07 72 38 13-2213	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,118.99	102.61
07 72 38 13-2214	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 6/12 Slope	2,229.08	102.61
07 72 38 13-2215	EA	18" x 22.5" Arched Top Aluminum Dormer Vents, 5/12 Slope	2,339.17	102.61
07 72 38 13-2216	EA	24" x 30" Arched Top Aluminum Dormer Vents, 16/12 Slope	1,516.83	117.27
07 72 38 13-2217	EA	24" x 30" Arched Top Aluminum Dormer Vents, 15/12 Slope	1,626.93	117.27
07 72 38 13-2218	EA	24" x 30" Arched Top Aluminum Dormer Vents, 14/12 Slope	1,737.02	117.27
07 72 38 13-2219	EA	24" x 30" Arched Top Aluminum Dormer Vents, 13/12 Slope	1,847.11	117.27
07 72 38 13-2220	EA	24" x 30" Arched Top Aluminum Dormer Vents, 12/12 Slope	1,957.20	117.27
07 72 38 13-2221	EA	24" x 30" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,067.29	117.27
07 72 38 13-2222	EA	24" x 30" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,177.39	117.27
07 72 38 13-2223	EA	24" x 30" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,287.48	117.27
07 72 38 13-2224	EA	24" x 30" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,397.57	117.27
07 72 38 13-2225	EA	24" x 30" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,507.66	117.27
07 72 38 13-2226	EA	24" x 30" Arched Top Aluminum Dormer Vents, 6/12 Slope	2,617.75	117.27
07 72 38 13-2227	EA	24" x 30" Arched Top Aluminum Dormer Vents, 5/12 Slope	2,727.85	117.27
07 72 38 13-2228	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 16/12 Slope	2,009.15	130.60
07 72 38 13-2229	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,119.24	130.60
07 72 38 13-2230	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,229.33	130.60
07 72 38 13-2231	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,339.42	130.60
07 72 38 13-2232	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 12/12 Slope	2,449.52	130.60
07 72 38 13-2233	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 11/12 Slope	2,559.61	130.60
07 72 38 13-2234	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 10/12 Slope	2,669.70	130.60
07 72 38 13-2235	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 9/12 Slope	2,779.79	130.60
07 72 38 13-2236	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 8/12 Slope	2,889.88	130.60
07 72 38 13-2237	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 7/12 Slope	2,999.98	130.60
07 72 38 13-2238	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,110.07	130.60
07 72 38 13-2239	EA	30" x 37.5" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,220.16	130.60
07 72 38 13-2240	EA	36" x 45" Arched Top Aluminum Dormer Vents, 16/12 Slope	2,586.43	130.60
07 72 38 13-2241	EA	36" x 45" Arched Top Aluminum Dormer Vents, 15/12 Slope	2,713.85	141.26
07 72 38 13-2242	EA	36" x 45" Arched Top Aluminum Dormer Vents, 14/12 Slope	2,823.94	141.26
07 72 38 13-2243	EA	36" x 45" Arched Top Aluminum Dormer Vents, 13/12 Slope	2,934.04	141.26
07 72 38 13-2244	EA	36" x 45" Arched Top Aluminum Dormer Vents, 12/12 Slope	3,044.13	141.26
07 72 38 13-2245	EA	36" x 45" Arched Top Aluminum Dormer Vents, 11/12 Slope	3,154.22	141.26
07 72 38 13-2246	EA	36" x 45" Arched Top Aluminum Dormer Vents, 10/12 Slope	3,264.31	141.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2247	EA	36" x 45" Arched Top Aluminum Dormer Vents, 9/12 Slope	3,374.41	141.26
07 72 38 13-2248	EA	36" x 45" Arched Top Aluminum Dormer Vents, 8/12 Slope	3,484.50	141.26
07 72 38 13-2249	EA	36" x 45" Arched Top Aluminum Dormer Vents, 7/12 Slope	3,594.59	141.26
07 72 38 13-2250	EA	36" x 45" Arched Top Aluminum Dormer Vents, 6/12 Slope	3,704.68	141.26
07 72 38 13-2251	EA	36" x 45" Arched Top Aluminum Dormer Vents, 5/12 Slope	3,814.77	141.26
07 72 38 13-2252		Hipped Roof Aluminum Roof Dormer Vent *(07 72 38 13-1814)*		
07 72 38 13-2253	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	641.52	76.51
07 72 38 13-2254	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	735.30	76.51
07 72 38 13-2255	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	829.08	76.51
07 72 38 13-2256	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	922.86	76.51
07 72 38 13-2257	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,016.65	76.51
07 72 38 13-2258	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,110.43	76.51
07 72 38 13-2259	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,204.21	76.51
07 72 38 13-2260	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,297.99	76.51
07 72 38 13-2261	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,391.78	76.51
07 72 38 13-2262	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,485.56	76.51
07 72 38 13-2263	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,579.34	76.51
07 72 38 13-2264	EA	12" x 18" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,673.13	76.51
07 72 38 13-2265	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	767.19	91.47
07 72 38 13-2266	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	860.97	91.47
07 72 38 13-2267	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	954.75	91.47
07 72 38 13-2268	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,048.54	91.47
07 72 38 13-2269	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,142.32	91.47
07 72 38 13-2270	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,236.10	91.47
07 72 38 13-2271	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,329.89	91.47
07 72 38 13-2272	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,423.67	91.47
07 72 38 13-2273	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,517.45	91.47
07 72 38 13-2274	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,611.23	91.47
07 72 38 13-2275	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,705.02	91.47
07 72 38 13-2276	EA	15" x 21" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,798.80	91.47
07 72 38 13-2277	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	962.47	102.90
07 72 38 13-2278	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,056.25	102.90
07 72 38 13-2279	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,150.03	102.90
07 72 38 13-2280	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,243.82	102.90
07 72 38 13-2281	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,337.60	102.90
07 72 38 13-2282	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,431.38	102.90
07 72 38 13-2283	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,525.16	102.90
07 72 38 13-2284	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	1,618.95	102.90
07 72 38 13-2285	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	1,712.73	102.90
07 72 38 13-2286	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	1,806.51	102.90
07 72 38 13-2287	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	1,900.30	102.90
07 72 38 13-2288	EA	18" x 27" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	1,994.08	102.90
07 72 38 13-2289	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	1,377.14	116.98
07 72 38 13-2290	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,470.92	116.98
07 72 38 13-2291	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,564.70	116.98
07 72 38 13-2292	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	1,658.49	116.98
07 72 38 13-2293	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	1,752.27	116.98
07 72 38 13-2294	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	1,846.05	116.98
07 72 38 13-2295	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	1,939.83	116.98
07 72 38 13-2296	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,033.62	116.98
07 72 38 13-2297	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	2,127.40	116.98
07 72 38 13-2298	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	2,221.18	116.98
07 72 38 13-2299	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	2,314.97	116.98
07 72 38 13-2300	EA	24" x 36" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	2,408.75	116.98
07 72 38 13-2301	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	1,809.22	130.17
07 72 38 13-2302	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	1,903.00	130.17
07 72 38 13-2303	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	1,996.78	130.17
07 72 38 13-2304	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	2,090.57	130.17
07 72 38 13-2305	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	2,184.35	130.17
07 72 38 13-2306	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	2,278.13	130.17
07 72 38 13-2307	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	2,371.92	130.17
07 72 38 13-2308	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,465.70	130.17
07 72 38 13-2309	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	2,559.48	130.17
07 72 38 13-2310	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	2,653.26	130.17
07 72 38 13-2311	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	2,747.05	130.17
07 72 38 13-2312	EA	30" x 42" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	2,840.83	130.17
07 72 38 13-2313	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 16/12 Slope	2,296.24	130.17
07 72 38 13-2314	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 15/12 Slope	2,407.35	141.60
07 72 38 13-2315	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 14/12 Slope	2,501.13	141.60
07 72 38 13-2316	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 13/12 Slope	2,594.92	141.60
07 72 38 13-2317	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 12/12 Slope	2,688.70	141.60
07 72 38 13-2318	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 11/12 Slope	2,782.48	141.60
07 72 38 13-2319	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 10/12 Slope	2,876.26	141.60
07 72 38 13-2320	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 9/12 Slope	2,970.05	141.60
07 72 38 13-2321	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 8/12 Slope	3,063.83	141.60
07 72 38 13-2322	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 7/12 Slope	3,157.61	141.60
07 72 38 13-2323	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 6/12 Slope	3,251.39	141.60
07 72 38 13-2324	EA	36" x 48" Hipped Roof Aluminum Dormer Vents, 5/12 Slope	3,345.18	141.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-2325		Galvanized Steel Fire And Ember Dormer Vent *(07 72 38 13)*		
07 72 38 13-2326	EA	14" x 9" Galvanized Steel, Fire And Ember Eyebrow Low Profile Dormer Vents Note: Includes fire caulking	317.09	117.27
07 72 46		**Roof Walkways** *(07 72)*		
07 72 46 00-0001		Recycled Rubber Walkway Pads *(07 72 46)*		
07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	13.77	3.34
		For Diamond Surface, Add	*1.20*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	15.33	4.01
		For Diamond Surface, Add	*1.39*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	16.92	4.01
		For Diamond Surface, Add	*1.55*	
07 72 53		**Snow Guards** *(07 72)*		
07 72 53 00-0001		Snow Guards For Shingle And Tile Roofs *(07 72 53)*		
07 72 53 00-0002	EA	6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs	26.64	3.44
07 72 53 00-0003	EA	6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs	29.12	3.44
07 72 53 00-0004	EA	6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs	27.48	3.44
07 72 53 00-0005	EA	6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs	16.01	3.44
07 72 53 00-0006		Snow Breaker For Roofs *(07 72 53)*		
07 72 53 00-0007	EA	Up To 50 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	18.43	5.55
07 72 53 00-0008	EA	>50 To 150 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	17.24	5.55
07 72 53 00-0009	EA	>150 To 500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	16.65	5.55
07 72 53 00-0010	EA	>500 Each, 2.875" Tall Plastic Snow Breaker, Adhesive Mount	15.94	5.55
07 72 53 00-0011		Ice Breaker For Vents *(07 72 53)*		
07 72 53 00-0012	EA	Ice Breaker For Vents Up to 4", Mechanically Fastened	154.63	
07 72 53 00-0013	EA	Ice Breaker For Vents And Stacks >4" To 14" Diameter, Mechanically Fastened	177.65	
07 72 53 00-0014		Pipe Style, Snow Guards For Metal Roofs *(07 72 53)*		
07 72 53 00-0015		Pipe Style, Standing Seam Metal Roof Snow Guard Clamps *(07 72 53 00-0014)* Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0016	EA	Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	71.18	16.66
07 72 53 00-0017	EA	Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000)	85.77	16.66
07 72 53 00-0018	EA	Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	97.42	16.66
07 72 53 00-0019	EA	Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000)	122.47	16.66
07 72 53 00-0020	EA	Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000)	125.36	19.99
07 72 53 00-0021		Tubing For Snow Guard Clamps *(07 72 53 00-0014)*		
07 72 53 00-0022	LF	1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	14.55	3.99
07 72 53 00-0023	LF	1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®) Note: Includes end caps, collars and couplings.	30.03	3.99
07 72 53 00-0024		Snow Guards For Metal Roofs *(07 72 53)* Note: Aluminum construction.		
07 72 53 00-0025	EA	Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	28.21	4.76
07 72 53 00-0026	EA	Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	31.51	4.76
07 72 53 00-0027	EA	Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	47.09	4.76
07 72 53 00-0028	EA	Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300)	46.39	4.76
07 72 53 00-0029	EA	Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	43.30	5.55
07 72 53 00-0030	EA	Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	47.45	5.55
07 72 53 00-0031	EA	Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516)	59.63	5.55
07 72 53 00-0032	EA	Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	24.65	4.17
		For Mechanically Fastened, Add	*8.33*	
07 72 53 00-0033	EA	Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	28.07	4.17
		For Mechanically Fastened, Add	*8.33*	
07 72 53 00-0034	EA	Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM)	39.70	4.17
		For Mechanically Fastened, Add	*8.33*	
07 72 53 00-0035	EA	Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15) Note: Can be used for metal, rubber, PVC, TPO or glass roofing.	14.12	4.17
		For Mechanically Fastened, Add	*11.10*	
07 72 56		**Snow/Ice Melt Cable** *(07 72)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 56 00-0001		Self Regulating Heating Cable For Roofs And Gutters *(07 72 56)*		
07 72 56 00-0002	LF	12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	17.77	1.13
07 72 56 00-0003	LF	12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters Note: Nickel-coated copper braided cable with weatherproof jacket.	19.13	1.13
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters	247.62	84.75
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters	190.02	62.15
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	9.14	3.39
		For >5, Deduct	*-0.68*	
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters	8.60	3.39
		For >5, Deduct	*-0.62*	
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters	66.92	8.48
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow	1,115.16	67.80
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control	1,533.44	84.75
07 72 63		**Waste Containment Assemblies** *(07 72)*		
07 72 63 00-0001		Rooftop Oil And Grease Containment System *(07 72 63)*		
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,366.66	276.69
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,755.07	276.69
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,594.44	287.76
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,572.24	287.76
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,956.84	311.28
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,663.61	311.28
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	5,202.87	368.82
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,644.18	461.10
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	9,464.68	461.10
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,962.31	461.10
07 72 63 00-0013		Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	4,126.94	276.69
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,632.03	276.69
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,710.06	287.76
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,809.99	287.76
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	8,271.32	311.28
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	9,065.02	311.28
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,444.25	368.82
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,520.18	461.10
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,890.16	461.10
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	15,137.08	461.10
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	275.98	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	387.00	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	553.49	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	511.82	
	07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	955.85	
	07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	966.94	
	07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	747.68	
	07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	969.69	
	07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,419.27	
	07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,868.84	
	07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
	07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
	07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	574.24	
	07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	762.96	
	07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,107.09	
	07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	1,032.11	
	07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,981.21	
	07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,992.30	
	07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,478.86	
	07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,995.04	
	07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,921.94	
	07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,887.70	
	07 72 63 00-0049		Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
	07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	713.01	
	07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	885.07	
	07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,295.78	
	07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,226.38	
	07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,386.38	
	07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,375.29	
	07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,734.19	
	07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,400.21	
	07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,365.97	
	07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,681.40	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.54	0.70
		For No Adhesive, Deduct	*-1.00*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.13	0.76
		For No Adhesive, Deduct	*-1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	5.43	0.83
		For No Adhesive, Deduct	*-1.05*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.61	0.70
		For No Adhesive, Deduct	*-1.00*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.23	0.76
		For No Adhesive, Deduct	*-1.03*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	5.52	0.83
		For No Adhesive, Deduct	*-1.05*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.42	0.70
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.04	0.76
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	5.35	0.83
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.48	0.70
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.13	0.76
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	5.44	0.83

07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.37	0.70
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.50*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.96	0.76
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.60*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	5.25	0.83
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.43	0.70
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.30*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.50*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.05	0.76
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.40*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.60*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	5.34	0.83
		For Mechanically Fastened To Concrete, Add	*1.84*	
		For Mechanically Fastened To Gypsum, Add	*2.40*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.83*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.96*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.25*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.68*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.46*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	13.94	8.69
		For 1-1/2" Thickness, Deduct	*-1.39*	
		For 2-1/2" Thickness, Add	*1.52*	
		For 3" Thickness, Add	*3.05*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	12.47	6.55
		For 1-1/2" Thickness, Deduct	*-1.25*	
		For 2-1/2" Thickness, Add	*1.37*	
		For 3" Thickness, Add	*2.74*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	11.66	5.21
		For 1-1/2" Thickness, Deduct	*-1.17*	
		For 2-1/2" Thickness, Add	*1.28*	
		For 3" Thickness, Add	*2.56*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	11.19	4.54
		For 1-1/2" Thickness, Deduct	*-1.12*	
		For 2-1/2" Thickness, Add	*1.23*	
		For 3" Thickness, Add	*2.46*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	10.59	4.14
		For 1-1/2" Thickness, Deduct	*-1.06*	
		For 2-1/2" Thickness, Add	*1.16*	
		For 3" Thickness, Add	*2.32*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	27.99	1.38
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	29.38	1.38
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	30.76	1.38
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	15.50	1.38
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	14.03	1.38
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	14.36	1.38
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	8.06	1.38
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	10.86	1.38

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 Pounds Per Square Foot (PSF)	6.62	
		For 20 Year Warranty, Deduct	*-0.38*	
		For 15 Year Warranty, Deduct	*-0.77*	
		For 10 Year Warranty, Deduct	*-1.04*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 Pounds Per Square Foot (PSF)	8.61	
		For 20 Year Warranty, Deduct	*-0.54*	
		For 15 Year Warranty, Deduct	*-1.10*	
		For 10 Year Warranty, Deduct	*-1.48*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 Pounds Per Square Foot (PSF)	10.13	
		For 20 Year Warranty, Deduct	*-0.63*	
		For 15 Year Warranty, Deduct	*-1.27*	
		For 10 Year Warranty, Deduct	*-1.72*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 Pounds Per Square Foot (PSF)	12.21	
		For 20 Year Warranty, Deduct	*-0.79*	
		For 15 Year Warranty, Deduct	*-1.60*	
		For 10 Year Warranty, Deduct	*-2.16*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.42	0.85
		For >10,000, Deduct	*-0.16*	
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel/Beams, Per Inch Of Thickness	3.38	1.27
		For >10,000, Deduct	*-0.21*	
07 81 16 00-0004	SF	Monokote Fireproofing For Columns, Per Inch Of Thickness	3.84	1.27
		For >10,000, Deduct	*-0.23*	

07 81 16 00-0005 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0006	SF	Non-Reinforced, Gunite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness	3.80	0.80
		For >10,000, Deduct	*-0.32*	
07 81 16 00-0007	SF	Non-Reinforced, Gunite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness	4.26	0.80
		For >10,000, Deduct	*-0.35*	
07 81 16 00-0008	SF	Non-Reinforced, Gunite Fireproofing, For Columns, Per Inch Of Thickness	4.76	0.80
		For >10,000, Deduct	*-0.37*	
07 81 16 00-0009	SF	Reinforced, Gunite Fireproofing, For Ceiling/Decking, Per Inch Of Thickness	5.45	0.80
		For >10,000, Deduct	*-0.49*	
07 81 16 00-0010	SF	Reinforced, Gunite Fireproofing, For Structural Steel/Beams, Per Inch Of Thickness	5.91	0.80
		For >10,000, Deduct	*-0.51*	
07 81 16 00-0011	SF	Reinforced, Gunite Fireproofing, For Columns, Per Inch Of Thickness	6.41	0.80
		For >10,000, Deduct	*-0.54*	

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	18.33	
		For >10,000, Deduct	*-1.77*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	29.56	
		For >10,000, Deduct	*-2.88*	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.81	
		For >10,000, Deduct	*-1.11*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	26.44	
		For >10,000, Deduct	*-2.57*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	60.15	
		For >10,000, Deduct	*-5.93*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	82.87	
		For >10,000, Deduct	*-8.20*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	105.63	
		For >10,000, Deduct	*-10.47*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	128.40	
		For >10,000, Deduct	*-12.74*	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	24.09	
		For >10,000, Deduct	*-2.34*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	44.94	
		For >10,000, Deduct	*-4.42*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	71.48	
		For >10,000, Deduct	*-7.07*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	99.89	
		For >10,000, Deduct	*-9.90*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	126.42	
		For >10,000, Deduct	*-12.55*	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*

Note: Excludes primer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.63	
		For >10,000, Deduct	*-1.12*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	26.68	
		For >10,000, Deduct	*-2.62*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	61.35	
		For >10,000, Deduct	*-6.08*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	84.72	
		For >10,000, Deduct	*-8.41*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	108.13	
		For >10,000, Deduct	*-10.75*	

07 81 33 Mineral-Fiber Fireproofing *(07 81)*

07 81 33 00-0001 Cellulose Fireproofing *(07 81 33)*

07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.79	0.89

07 84 Firestopping *(07 80)*

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

07 84 13 16-0001 Firestopping Systems For Cable Penetrations *(07 84 13 16)*

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	75.28	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	99.87	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	159.69	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	133.95	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	232.62	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	423.03	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*

07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	302.16	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	280.43	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	288.68	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar *(07 84 13 16)*

07 84 13 16-0015	EA	1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	44.89	12.99
07 84 13 16-0016	EA	2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	53.99	12.99
07 84 13 16-0017	EA	3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	62.76	14.30
07 84 13 16-0018	EA	4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	97.94	16.24
07 84 13 16-0019	EA	8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8")	478.19	19.49
07 84 13 16-0020	EA	10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10")	617.61	21.44

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	195.17	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	206.32	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	398.77	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	255.37	

07 84 13 16-0026 Intumescent Firestopping Wrap Strips *(07 84 13 16)*

07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	7.09	

07 84 13 19 Penetration Firestopping Caulk *(07 84 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	28.74	
		For Intumescent Sealant For Plastic Pipe, Add	*0.08*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.30	
		For Intumescent Sealant For Plastic Pipe, Add	*0.41*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	35.04	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	34.61	
		For Intumescent Sealant For Plastic Pipe, Add	*0.14*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.77	
		For Intumescent Sealant For Plastic Pipe, Add	*0.88*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.50	
		For Intumescent Sealant For Plastic Pipe, Add	*0.78*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	40.07	
		For Intumescent Sealant For Plastic Pipe, Add	*0.60*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	39.40	
		For Intumescent Sealant For Plastic Pipe, Add	*0.34*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.82	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	49.40	
		For Intumescent Sealant For Plastic Pipe, Add	*1.48*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	49.14	
		For Intumescent Sealant For Plastic Pipe, Add	*1.38*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.70	
		For Intumescent Sealant For Plastic Pipe, Add	*1.20*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	48.03	
		For Intumescent Sealant For Plastic Pipe, Add	*0.94*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	47.46	
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.10	
		For Intumescent Sealant For Plastic Pipe, Add	*0.16*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	67.11	
		For Intumescent Sealant For Plastic Pipe, Add	*4.00*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.41	
		For Intumescent Sealant For Plastic Pipe, Add	*2.12*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	61.98	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	61.30	
		For Intumescent Sealant For Plastic Pipe, Add	*1.67*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	60.73	
		For Intumescent Sealant For Plastic Pipe, Add	*1.44*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	59.37	
		For Intumescent Sealant For Plastic Pipe, Add	*0.90*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.61	
		For Intumescent Sealant For Plastic Pipe, Add	*0.20*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	89.82	
		For Intumescent Sealant For Plastic Pipe, Add	*7.37*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	89.34	
		For Intumescent Sealant For Plastic Pipe, Add	*7.18*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	88.57	
		For Intumescent Sealant For Plastic Pipe, Add	*6.87*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	87.35	
		For Intumescent Sealant For Plastic Pipe, Add	*6.38*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	86.32	
		For Intumescent Sealant For Plastic Pipe, Add	*5.97*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	78.32	
		For Intumescent Sealant For Plastic Pipe, Add	*2.77*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	76.57	
		For Intumescent Sealant For Plastic Pipe, Add	*2.07*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	73.90	
		For Intumescent Sealant For Plastic Pipe, Add	*1.00*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	142.48	
		For Intumescent Sealant For Plastic Pipe, Add	*17.01*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	142.01	
		For Intumescent Sealant For Plastic Pipe, Add	*16.82*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	141.23	
		For Intumescent Sealant For Plastic Pipe, Add	*16.51*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	140.02	
		For Intumescent Sealant For Plastic Pipe, Add	*16.02*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	138.99	
		For Intumescent Sealant For Plastic Pipe, Add	*15.61*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	136.54	
		For Intumescent Sealant For Plastic Pipe, Add	*14.63*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	133.38	
		For Intumescent Sealant For Plastic Pipe, Add	*13.37*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	128.58	
		For Intumescent Sealant For Plastic Pipe, Add	*11.45*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	110.51	
		For Intumescent Sealant For Plastic Pipe, Add	*4.22*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	188.51	
		For Intumescent Sealant For Plastic Pipe, Add	*26.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	183.71	
		For Intumescent Sealant For Plastic Pipe, Add	*24.94*	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	174.07	
		For Intumescent Sealant For Plastic Pipe, Add	*21.08*	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	134.78	
		For Intumescent Sealant For Plastic Pipe, Add	*5.37*	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	238.89	
		For Intumescent Sealant For Plastic Pipe, Add	*38.44*	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	210.31	
		For Intumescent Sealant For Plastic Pipe, Add	*27.01*	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	159.88	
		For Intumescent Sealant For Plastic Pipe, Add	*6.84*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.62
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.52
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	34.39
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.30
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.20
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	39.06
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.85
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	38.66
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.97
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.87
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.73
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.52
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	46.34
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	45.87
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	59.01
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.92
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.78
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.57
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	58.38
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.91
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	57.26
07 84 13 19-0070	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.91
07 84 13 19-0071	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.81
07 84 13 19-0072	EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.67
07 84 13 19-0073	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.44
07 84 13 19-0074	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	74.22
07 84 13 19-0075	EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.76
07 84 13 19-0076	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	73.16
07 84 13 19-0077	EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	72.23
07 84 13 19-0078	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	108.07
07 84 13 19-0079	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.96
07 84 13 19-0080	EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.83
07 84 13 19-0081	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	107.44	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	106.97	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	106.32	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	105.45	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	103.55	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	134.17	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	133.29	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	131.38	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	126.00	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	161.12	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	155.73	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	148.61	

07 84 13 19-0094 Intumescent Firestopping For Sealing Pipe Penetrations (STI SpecSeal SSS Series) *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0095	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	35.20	
07 84 13 19-0096	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	34.91	
07 84 13 19-0097	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	34.58	
07 84 13 19-0098	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	40.46	
07 84 13 19-0099	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	40.16	
07 84 13 19-0100	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	39.83	
07 84 13 19-0101	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	38.85	
07 84 13 19-0102	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	49.09	
07 84 13 19-0103	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	48.80	
07 84 13 19-0104	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	48.47	
07 84 13 19-0105	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.97	
07 84 13 19-0106	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	47.50	
07 84 13 19-0107	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	46.26	
07 84 13 19-0108	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	62.10	
07 84 13 19-0109	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	61.81	
07 84 13 19-0110	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	61.48	
07 84 13 19-0111	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	60.98	
07 84 13 19-0112	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	60.51	
07 84 13 19-0113	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	59.26	
07 84 13 19-0114	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	57.46	
07 84 13 19-0115	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	80.70	
07 84 13 19-0116	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	80.41	
07 84 13 19-0117	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	80.08	
07 84 13 19-0118	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	79.46	
07 84 13 19-0119	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	78.86	
07 84 13 19-0120	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	77.62	
07 84 13 19-0121	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	76.06	
07 84 13 19-0122	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	73.59	
07 84 13 19-0123	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	121.39	
07 84 13 19-0124	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	121.10	
07 84 13 19-0125	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	120.77	
07 84 13 19-0126	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	120.27	
07 84 13 19-0127	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	119.80	
07 84 13 19-0128	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	118.56	
07 84 13 19-0129	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	116.75	
07 84 13 19-0130	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	114.52	
07 84 13 19-0131	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	109.34	
07 84 13 19-0132	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	155.22	
07 84 13 19-0133	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	152.99	
07 84 13 19-0134	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	147.80	
07 84 13 19-0135	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	133.73	
07 84 13 19-0136	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	191.25	
07 84 13 19-0137	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	177.17	
07 84 13 19-0138	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (STI SpecSeal SSS Series)	158.08	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	43.00	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	60.31	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	63.17	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	66.03	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	68.88	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	86.19	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	17.77	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	18.38	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	17.25	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	18.42	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	17.96	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	17.33	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	1" x 4" x 9" Intumescent Fire Barrier Pillow (STI SSB14)	16.76	
07 84 16 00-0018	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	41.49	
07 84 16 00-0019	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	44.46	
07 84 16 00-0020	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	48.12	

07 84 16 00-0021 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0022	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	384.02	
07 84 16 00-0023	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	535.99	
07 84 16 00-0024	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	720.83	

07 84 16 00-0025 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0027 for filling openings.

07 84 16 00-0026	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	59.45	

07 84 16 00-0027 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0028	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	162.62	

07 84 16 00-0029 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0030	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	190.28	

07 84 23 Silicone Firestopping Foams *(07 84)*

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings *(07 84 23)*

Note: Includes 7" depth of silicone foam barrier and 1" depth backer board

07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	52.41	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	111.80	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	197.07	
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	290.17	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	409.00	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	550.05	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	1,099.21	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	1,631.98	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	2,279.49	

07 84 43 Joint Firestopping *(07 84)*

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	487.83	128.51
		For Up To 6 CLF, Add	*26.95*	
		For >30 CLF, Deduct	*-29.51*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	539.02	128.51
		For Up To 4 CLF, Add	*30.79*	
		For >20 CLF, Deduct	*-34.63*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	604.45	132.79
		For Up To 3 CLF, Add	*35.34*	
		For >15 CLF, Deduct	*-40.46*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	630.03	132.79
		For Up To 2.5 CLF, Add	*37.26*	
		For >13 CLF, Deduct	*-43.01*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	706.78	132.79
		For Up To 2 CLF, Add	*43.01*	
		For >10 CLF, Deduct	*-50.69*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	783.52	132.79
		For Up To 1.5 CLF, Add	*48.77*	
		For >8 CLF, Deduct	*-58.36*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	874.54	138.50
		For Up To 1.3 CLF, Add	*55.24*	
		For >7 CLF, Deduct	*-66.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	823.38	138.50
		For Up To 1.4 CLF, Add	*51.40*	
		For >7.5 CLF, Deduct	*-61.63*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	940.00	142.79
		For Up To 1.15 CLF, Add	*59.79*	
		For >6 CLF, Deduct	*-72.58*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,042.32	142.79
		For Up To 1 CLF, Add	*67.46*	
		For >5 CLF, Deduct	*-82.81*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,158.92	147.07
		For Up To 0.8 CLF, Add	*75.85*	
		For >4.5 CLF, Deduct	*-93.76*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,275.52	152.78
		For Up To 0.75 CLF, Add	*84.24*	
		For >4 CLF, Deduct	*-104.71*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,392.12	157.06
		For Up To 0.65 CLF, Add	*92.63*	
		For >3.5 CLF, Deduct	*-115.65*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,741.93	171.35
		For Up To 0.5 CLF, Add	*117.79*	
		For >2.5 CLF, Deduct	*-148.49*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*184.19*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,208.36	189.91
		For Up To 0.4 CLF, Add	*151.35*	
		For >2 CLF, Deduct	*-192.28*	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	502.08	128.51
		For Up To 6 CLF, Add	*28.02*	
		For >30 CLF, Deduct	*-30.93*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	560.36	128.51
		For Up To 4 CLF, Add	*32.39*	
		For >20 CLF, Deduct	*-36.76*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	632.90	132.79
		For Up To 3 CLF, Add	*37.47*	
		For >15 CLF, Deduct	*-43.30*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	662.04	132.79
		For Up To 2.5 CLF, Add	*39.66*	
		For >13 CLF, Deduct	*-46.21*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	749.46	132.79
		For Up To 2 CLF, Add	*46.21*	
		For >10 CLF, Deduct	*-54.96*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	836.87	132.79
		For Up To 1.5 CLF, Add	*52.77*	
		For >8 CLF, Deduct	*-63.70*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	938.57	138.50
		For Up To 1.3 CLF, Add	*60.04*	
		For >7 CLF, Deduct	*-73.15*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	880.29	138.50
		For Up To 1.4 CLF, Add	*55.67*	
		For >7.5 CLF, Deduct	*-67.33*	
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,011.13	142.79
		For Up To 1.15 CLF, Add	*65.13*	
		For >6 CLF, Deduct	*-79.69*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,127.68	142.79
		For Up To 1 CLF, Add	*73.87*	
		For >5 CLF, Deduct	*-91.35*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,258.51	147.07
		For Up To 0.8 CLF, Add	*83.32*	
		For >4.5 CLF, Deduct	*-103.72*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,389.34	152.78
		For Up To 0.75 CLF, Add	*92.78*	
		For >4 CLF, Deduct	*-116.09*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,520.16	157.06
		For Up To 0.65 CLF, Add	*102.23*	
		For >3.5 CLF, Deduct	*-128.46*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,912.66	171.35
		For Up To 0.5 CLF, Add	*130.60*	
		For >2.5 CLF, Deduct	*-165.56*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,435.99	189.91
		For Up To 0.4 CLF, Add	*168.42*	
		For >2 CLF, Deduct	*-215.04*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	445.82	128.51
		For Up To 6 CLF, Add	*23.80*	
		For >30 CLF, Deduct	*-25.31*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	475.96	128.51
		For Up To 4 CLF, Add	*26.06*	
		For >20 CLF, Deduct	*-28.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	520.37	132.79
		For Up To 3 CLF, Add	*29.03*	
		For >15 CLF, Deduct	*-32.05*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	535.44	132.79
		For Up To 2.5 CLF, Add	*30.16*	
		For >13 CLF, Deduct	*-33.55*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	580.66	132.79
		For Up To 2 CLF, Add	*33.55*	
		For >10 CLF, Deduct	*-38.08*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	625.87	132.79
		For Up To 1.5 CLF, Add	*36.95*	
		For >8 CLF, Deduct	*-42.60*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	685.37	138.50
		For Up To 1.3 CLF, Add	*41.05*	
		For >7 CLF, Deduct	*-47.83*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	655.22	138.50
		For Up To 1.4 CLF, Add	*38.79*	
		For >7.5 CLF, Deduct	*-44.82*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	729.80	142.79
		For Up To 1.15 CLF, Add	*44.03*	
		For >6 CLF, Deduct	*-51.56*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	790.08	142.79
		For Up To 1 CLF, Add	*48.55*	
		For >5 CLF, Deduct	*-57.59*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	864.64	147.07
		For Up To 0.8 CLF, Add	*53.78*	
		For >4.5 CLF, Deduct	*-64.33*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	939.21	152.78
		For Up To 0.75 CLF, Add	*59.02*	
		For >4 CLF, Deduct	*-71.08*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,013.76	157.06
		For Up To 0.65 CLF, Add	*64.25*	
		For >3.5 CLF, Deduct	*-77.82*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,237.46	171.35
		For Up To 0.5 CLF, Add	*79.96*	
		For >2.5 CLF, Deduct	*-98.04*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,535.72	189.91
		For Up To 0.4 CLF, Add	*100.90*	
		For >2 CLF, Deduct	*-125.01*	

07 84 43 00-0049 Elastomeric Spray Firestopping For Joints And Penetrations *(07 84 43)*

07 84 43 00-0050	LF	1" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	0.93
07 84 43 00-0051	LF	2" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.85
07 84 43 00-0052	LF	3" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	2.66
07 84 43 00-0053	LF	4" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.59
07 84 43 00-0054	LF	5" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	4.46
07 84 43 00-0055	LF	6" Joint Width, 1/8" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.45
07 84 43 00-0056	LF	1" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	1.87
07 84 43 00-0057	LF	2" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.69
07 84 43 00-0058	LF	3" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	5.32
07 84 43 00-0059	LF	4" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.20
07 84 43 00-0060	LF	5" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	8.92
07 84 43 00-0061	LF	6" Joint Width, 1/4" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.89
07 84 43 00-0062	LF	1" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	3.75
07 84 43 00-0063	LF	2" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.39
07 84 43 00-0064	LF	3" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	10.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0065	LF	4" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	14.39	
07 84 43 00-0066	LF	5" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	17.83	
07 84 43 00-0067	LF	6" Joint Width, 1/2" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	21.78	
07 84 43 00-0068	LF	1" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	7.49	
07 84 43 00-0069	LF	2" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	14.77	
07 84 43 00-0070	LF	3" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	21.27	
07 84 43 00-0071	LF	4" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	28.80	
07 84 43 00-0072	LF	5" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	35.68	
07 84 43 00-0073	LF	6" Joint Width, 1" Installed Depth, Elastomeric Spray Firestopping For Joints And Penetrations (SpecSeal AS200)	43.57	

07 84 43 00-0074 Intumescent Firestopping Sealant For Joints *(07 84 43)*

07 84 43 00-0075	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	476.35	128.51
		For Up To 6 CLF, Add	*26.09*	
		For >30 CLF, Deduct	*-28.36*	
07 84 43 00-0076	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	521.76	128.51
		For Up To 4 CLF, Add	*29.49*	
		For >20 CLF, Deduct	*-32.90*	
07 84 43 00-0077	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	581.44	132.79
		For Up To 3 CLF, Add	*33.61*	
		For >15 CLF, Deduct	*-38.15*	
07 84 43 00-0078	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	604.14	132.79
		For Up To 2.5 CLF, Add	*35.32*	
		For >13 CLF, Deduct	*-40.42*	
07 84 43 00-0079	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	672.25	132.79
		For Up To 2 CLF, Add	*40.42*	
		For >10 CLF, Deduct	*-47.24*	
07 84 43 00-0080	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	740.37	132.79
		For Up To 1.5 CLF, Add	*45.53*	
		For >8 CLF, Deduct	*-54.05*	
07 84 43 00-0081	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	822.76	138.50
		For Up To 1.3 CLF, Add	*51.36*	
		For >7 CLF, Deduct	*-61.57*	
07 84 43 00-0082	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	777.35	138.50
		For Up To 1.4 CLF, Add	*47.95*	
		For >7.5 CLF, Deduct	*-57.03*	
07 84 43 00-0083	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	882.46	142.79
		For Up To 1.15 CLF, Add	*55.48*	
		For >6 CLF, Deduct	*-66.83*	
07 84 43 00-0084	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	973.28	142.79
		For Up To 1 CLF, Add	*62.29*	
		For >5 CLF, Deduct	*-75.91*	
07 84 43 00-0085	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,078.36	147.07
		For Up To 0.8 CLF, Add	*69.81*	
		For >4.5 CLF, Deduct	*-85.70*	
07 84 43 00-0086	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,183.46	152.78
		For Up To 0.75 CLF, Add	*77.34*	
		For >4 CLF, Deduct	*-95.50*	
07 84 43 00-0087	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,288.55	157.06
		For Up To 0.65 CLF, Add	*84.86*	
		For >3.5 CLF, Deduct	*-105.30*	
07 84 43 00-0088	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	1,603.84	171.35
		For Up To 0.5 CLF, Add	*107.44*	
		For >2.5 CLF, Deduct	*-134.68*	
07 84 43 00-0089	CLF	1" x 1" Joint, Intumescent Firestop Sealant (STI SpecSeal SSS Series)	2,024.23	189.91
		For Up To 0.4 CLF, Add	*137.54*	
		For >2 CLF, Deduct	*-173.87*	

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	12.15	
		For Work In Restricted Working Space, Add	*1.71*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	19.12	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.71*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	20.79	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.71*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	23.61	14.28
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-1.99*	
		For >5,000, Deduct	*-3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	27.33	14.28
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-2.84*	
		For >5,000, Deduct	*-4.95*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	31.41	14.28
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-3.78*	
		For >5,000, Deduct	*-6.46*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	35.49	14.28
		For Work In Restricted Working Space, Add	*5.74*	
		For >500 To 5,000, Deduct	*-4.72*	
		For >5,000, Deduct	*-7.97*	

07 86 Smoke Seals *(07 80)*

07 86 00 00-0001 Food-Grade Silicone Sealant For Joints (DOW 786) *(07 86)*

Note: Mildew Resistant; Mold Resistant

07 86 00 00-0002	CLF	1/4" x 1/4" Joint, Food-Grade Sealant (DOWSIL 786)	459.48	128.51
		For Up To 6 CLF, Add	*24.82*	
		For >30 CLF, Deduct	*-26.67*	
07 86 00 00-0003	CLF	1/4" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	496.48	128.51
		For Up To 4 CLF, Add	*27.60*	
		For >20 CLF, Deduct	*-30.37*	
07 86 00 00-0004	CLF	1/4" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	547.72	132.79
		For Up To 3 CLF, Add	*31.08*	
		For >15 CLF, Deduct	*-34.78*	
07 86 00 00-0005	CLF	3/8" x 3/8" Joint, Food-Grade Sealant (DOWSIL 786)	566.21	132.79
		For Up To 2.5 CLF, Add	*32.47*	
		For >13 CLF, Deduct	*-36.63*	
07 86 00 00-0006	CLF	3/8" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	621.69	132.79
		For Up To 2 CLF, Add	*36.63*	
		For >10 CLF, Deduct	*-42.18*	
07 86 00 00-0007	CLF	3/8" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	677.16	132.79
		For Up To 1.5 CLF, Add	*40.79*	
		For >8 CLF, Deduct	*-47.73*	
07 86 00 00-0008	CLF	3/8" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	746.91	138.50
		For Up To 1.3 CLF, Add	*45.67*	
		For >7 CLF, Deduct	*-53.99*	
07 86 00 00-0009	CLF	1/2" x 1/2" Joint, Food-Grade Sealant (DOWSIL 786)	709.93	138.50
		For Up To 1.4 CLF, Add	*42.89*	
		For >7.5 CLF, Deduct	*-50.29*	
07 86 00 00-0010	CLF	1/2" x 5/8" Joint, Food-Grade Sealant (DOWSIL 786)	798.18	142.79
		For Up To 1.15 CLF, Add	*49.15*	
		For >6 CLF, Deduct	*-58.40*	
07 86 00 00-0011	CLF	1/2" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	872.14	142.79
		For Up To 1 CLF, Add	*54.70*	
		For >5 CLF, Deduct	*-65.80*	
07 86 00 00-0012	CLF	1/2" x 7/8" Joint, Food-Grade Sealant (DOWSIL 786)	960.38	147.07
		For Up To 0.8 CLF, Add	*60.96*	
		For >4.5 CLF, Deduct	*-73.91*	
07 86 00 00-0013	CLF	1/2" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,048.62	152.78
		For Up To 0.75 CLF, Add	*67.22*	
		For >4 CLF, Deduct	*-82.02*	
07 86 00 00-0014	CLF	3/4" x 3/4" Joint, Food-Grade Sealant (DOWSIL 786)	1,136.85	157.06
		For Up To 0.65 CLF, Add	*73.48*	
		For >3.5 CLF, Deduct	*-90.13*	
07 86 00 00-0015	CLF	3/4" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,401.58	171.35
		For Up To 0.5 CLF, Add	*92.27*	
		For >2.5 CLF, Deduct	*-114.46*	
07 86 00 00-0016	CLF	1" x 1" Joint, Food-Grade Sealant (DOWSIL 786)	1,754.55	189.91
		For Up To 0.4 CLF, Add	*117.31*	
		For >2 CLF, Deduct	*-146.90*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	2.53	0.69
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	2.73	0.69
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	3.04	0.69
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	3.56	0.69
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	3.72	0.82
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	4.16	0.82
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	5.31	0.82
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	6.42	0.96
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	7.65	1.10
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	10.54	1.24
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	21.99	1.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	3.19	0.82
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	9.66	2.34
		For Custom Match Coloring, Add	*0.24*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	11.76	2.48
		For Custom Match Coloring, Add	*0.38*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	12.87	2.62
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	17.43	4.82

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	546.16	158.90
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	864.41	229.53
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	696.79	196.76
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	793.45	206.54
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	1,211.55	317.80
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,377.66	344.22
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,217.71	250.33

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	572.50	196.76
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	1,022.46	317.80
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	764.10	271.25
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	960.27	286.40
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,458.86	439.24
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,743.50	476.68
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	2,366.40	571.41

07 91 26 00-0023 Silicon RTV Foam Penetration Seal *(07 91 26)*

07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	175.32	31.53
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	350.63	62.92
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	522.39	93.50
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	736.50	125.99
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	175.32	31.53
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	521.83	93.22
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	888.69	140.03
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,774.92	279.10
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	3,360.15	503.82
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	5,141.50	787.04
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	7,576.12	1,259.32

07 91 26 00-0035 Seals O-Ring Type Cord "J-Seal" *(07 91 26)*

07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	5.89	1.79
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	6.24	1.79
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	6.57	1.94
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	6.91	2.08
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	7.39	2.22
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	7.73	2.22
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	8.16	2.35
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	8.41	2.35

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001 Expansion Joint Seal Systems (Wabo®) *(07 91 33)*

07 91 33 00-0002 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.

07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	103.12	9.05
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	137.65	9.48
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	174.05	9.92
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	214.55	10.34
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	278.02	10.78
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	319.21	11.20
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	370.28	11.64

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0010		Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	53.23	9.05
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	58.03	9.18
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	69.95	9.31
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	74.20	9.48
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	79.22	9.61
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	96.89	9.74
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	119.29	9.92
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	140.95	10.34
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	159.46	10.78
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)*		
		Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		
07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	44.73	9.05
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	57.89	9.48
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	70.81	9.92
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	74.74	10.13
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	82.82	10.34
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	118.34	10.78
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	162.28	11.20
07 91 33 00-0028		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	37.97	3.60
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	63.53	3.74
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	95.53	3.88
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	120.40	4.02
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	158.38	4.16
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	209.44	4.31
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	256.82	4.46
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	346.27	4.60
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	404.23	4.74
07 91 33 00-0038		Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*		
		Note: Includes a pre-compressed foam seal and silicone sealant.		
07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	37.05	3.60
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	48.83	3.74
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	65.43	3.88
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	88.69	4.02
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	101.17	4.16
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	140.28	4.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	188.35	4.46
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	203.36	4.60
07 91 33 00-0047		Molded EPDM Rubber Cover, For Pedestrian Foot Traffic And Slow Speed Non-Commercial Vehicular Traffic (Wabo® SafetyFlexl) *(07 91 33 00-0001)*		
07 91 33 00-0048	LF	2-1/2" Minimum, 12" Maximum Joint Opening, Elastomeric Hinged Cover System for Pedestrian Walkway And Low-speed Vehicular Traffic Areas (Wabo® SafetyFlex SFP-600)	275.64	11.64
07 91 33 00-0049		Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal) *(07 91 33 00-0001)*		
		Note: Includes epoxy adhesive.		
07 91 33 00-0050	LF	0.45" Minimum, 1.25" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-100)	30.82	
07 91 33 00-0051	LF	0.675" Minimum, 1.875" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-150)	33.69	
07 91 33 00-0052	LF	0.90" Minimum, 2.50" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-200)	44.01	
07 91 33 00-0053	LF	1.125" Minimum, 3.125" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-250)	54.43	
07 91 33 00-0054	LF	1.35" Minimum, 3.75" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-300)	138.14	
07 91 33 00-0055	LF	1.80" Minimum, 5.00" Maximum Joint Opening, Closed Cell Neoprene Expanded Rubber Foam Seal, Preformed Flexible Joint Seal Systems (Wabo® InverSeal IV-400)	177.84	

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001		Silicone Sealants And Caulking *(07 92 13)*		
07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	429.12	128.51
		For Custom Match Coloring, Add	*10.46*	
		For Up To 6 CLF, Add	*22.55*	
		For >30 CLF, Deduct	*-23.64*	
		For 1 Part Mildew Resistant, Add	*15.26*	
		For High-Modulus Non-Acid Curing, Add	*8.72*	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	450.92	128.51
		For Custom Match Coloring, Add	*15.69*	
		For Up To 4 CLF, Add	*24.18*	
		For >20 CLF, Deduct	*-25.82*	
		For 1 Part Mildew Resistant, Add	*22.89*	
		For High-Modulus Non-Acid Curing, Add	*13.08*	
07 92 13 00-0004	CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	486.98	132.79
		For Custom Match Coloring, Add	*20.92*	
		For Up To 3 CLF, Add	*26.53*	
		For >15 CLF, Deduct	*-28.71*	
		For 1 Part Mildew Resistant, Add	*30.51*	
		For High-Modulus Non-Acid Curing, Add	*17.44*	
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	497.88	132.79
		For Custom Match Coloring, Add	*23.54*	
		For Up To 2.5 CLF, Add	*27.35*	
		For >13 CLF, Deduct	*-29.80*	
		For 1 Part Mildew Resistant, Add	*34.33*	
		For High-Modulus Non-Acid Curing, Add	*19.62*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	530.57	132.79
		For Custom Match Coloring, Add	*31.38*	
		For Up To 2 CLF, Add	*29.80*	
		For >10 CLF, Deduct	*-33.07*	
		For 1 Part Mildew Resistant, Add	*45.77*	
		For High-Modulus Non-Acid Curing, Add	*26.15*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	563.26	132.79
		For Custom Match Coloring, Add	*39.23*	
		For Up To 1.5 CLF, Add	*32.25*	
		For >8 CLF, Deduct	*-36.34*	
		For 1 Part Mildew Resistant, Add	*57.21*	
		For High-Modulus Non-Acid Curing, Add	*32.69*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	610.23	138.50
		For Custom Match Coloring, Add	*47.08*	
		For Up To 1.3 CLF, Add	*35.42*	
		For >7 CLF, Deduct	*-40.32*	
		For 1 Part Mildew Resistant, Add	*68.65*	
		For High-Modulus Non-Acid Curing, Add	*39.23*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	588.44	138.50
		For Custom Match Coloring, Add	*41.85*	
		For Up To 1.4 CLF, Add	*33.78*	
		For >7.5 CLF, Deduct	*-38.14*	
		For 1 Part Mildew Resistant, Add	*61.03*	
		For High-Modulus Non-Acid Curing, Add	*34.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	646.32	142.79
		For Custom Match Coloring, Add	*52.31*	
		For Up To 1.15 CLF, Add	*37.76*	
		For >6 CLF, Deduct	*-43.21*	
		For 1 Part Mildew Resistant, Add	*76.28*	
		For High-Modulus Non-Acid Curing, Add	*43.59*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	689.91	142.79
		For Custom Match Coloring, Add	*62.77*	
		For Up To 1 CLF, Add	*41.03*	
		For >5 CLF, Deduct	*-47.57*	
		For 1 Part Mildew Resistant, Add	*91.54*	
		For High-Modulus Non-Acid Curing, Add	*52.31*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	747.77	147.07
		For Custom Match Coloring, Add	*73.23*	
		For Up To 0.8 CLF, Add	*45.02*	
		For >4.5 CLF, Deduct	*-52.65*	
		For 1 Part Mildew Resistant, Add	*106.80*	
		For High-Modulus Non-Acid Curing, Add	*61.03*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	805.64	152.78
		For Custom Match Coloring, Add	*83.69*	
		For Up To 0.75 CLF, Add	*49.00*	
		For >4 CLF, Deduct	*-57.72*	
		For 1 Part Mildew Resistant, Add	*122.05*	
		For High-Modulus Non-Acid Curing, Add	*69.74*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	863.50	157.06
		For Custom Match Coloring, Add	*94.15*	
		For Up To 0.65 CLF, Add	*52.98*	
		For >3.5 CLF, Deduct	*-62.79*	
		For 1 Part Mildew Resistant, Add	*137.31*	
		For High-Modulus Non-Acid Curing, Add	*78.46*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,037.11	171.35
		For Custom Match Coloring, Add	*125.54*	
		For Up To 0.5 CLF, Add	*64.93*	
		For >2.5 CLF, Deduct	*-78.01*	
		For 1 Part Mildew Resistant, Add	*183.08*	
		For High-Modulus Non-Acid Curing, Add	*104.62*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,268.59	189.91
		For Custom Match Coloring, Add	*167.39*	
		For Up To 0.4 CLF, Add	*80.87*	
		For >2 CLF, Deduct	*-98.30*	
		For 1 Part Mildew Resistant, Add	*244.10*	
		For High-Modulus Non-Acid Curing, Add	*139.49*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	400.82	128.51
		For Up To 6 CLF, Add	*20.42*	
		For >30 CLF, Deduct	*-20.81*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	408.47	128.51
		For Up To 4 CLF, Add	*21.00*	
		For >20 CLF, Deduct	*-21.57*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	430.39	132.79
		For Up To 3 CLF, Add	*22.28*	
		For >15 CLF, Deduct	*-23.05*	
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	434.21	132.79
		For Up To 2.5 CLF, Add	*22.57*	
		For >13 CLF, Deduct	*-23.43*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	445.68	132.79
		For Up To 2 CLF, Add	*23.43*	
		For >10 CLF, Deduct	*-24.58*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	457.15	132.79
		For Up To 1.5 CLF, Add	*24.29*	
		For >8 CLF, Deduct	*-25.73*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	482.90	138.50
		For Up To 1.3 CLF, Add	*25.87*	
		For >7 CLF, Deduct	*-27.59*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	475.25	138.50
		For Up To 1.4 CLF, Add	*25.29*	
		For >7.5 CLF, Deduct	*-26.82*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	504.83	142.79
		For Up To 1.15 CLF, Add	*27.15*	
		For >6 CLF, Deduct	*-29.06*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	520.13	142.79
		For Up To 1 CLF, Add	*28.30*	
		For >5 CLF, Deduct	*-30.59*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	549.69	147.07
		For Up To 0.8 CLF, Add	*30.16*	
		For >4.5 CLF, Deduct	*-32.84*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	579.26	152.78
		For Up To 0.75 CLF, Add	*32.02*	
		For >4 CLF, Deduct	*-35.08*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	608.82	157.06
		For Up To 0.65 CLF, Add	*33.88*	
		For >3.5 CLF, Deduct	*-37.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	697.54	171.35
		For Up To 0.5 CLF, Add	*39.46*	
		For >2.5 CLF, Deduct	*-44.05*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	815.83	189.91
		For Up To 0.4 CLF, Add	*46.91*	
		For >2 CLF, Deduct	*-53.03*	
07 92 13 00-0033		**Polyurethane Sealant And Caulking** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	418.96	128.51
		For Up To 6 CLF, Add	*21.78*	
		For >30 CLF, Deduct	*-22.62*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	435.68	128.51
		For Up To 4 CLF, Add	*23.04*	
		For >20 CLF, Deduct	*-24.29*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	466.66	132.79
		For Up To 3 CLF, Add	*25.00*	
		For >15 CLF, Deduct	*-26.68*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	475.02	132.79
		For Up To 2.5 CLF, Add	*25.63*	
		For >13 CLF, Deduct	*-27.51*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	500.10	132.79
		For Up To 2 CLF, Add	*27.51*	
		For >10 CLF, Deduct	*-30.02*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	525.17	132.79
		For Up To 1.5 CLF, Add	*29.39*	
		For >8 CLF, Deduct	*-32.53*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	564.52	138.50
		For Up To 1.3 CLF, Add	*31.99*	
		For >7 CLF, Deduct	*-35.75*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	547.81	138.50
		For Up To 1.4 CLF, Add	*30.73*	
		For >7.5 CLF, Deduct	*-34.08*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	595.53	142.79
		For Up To 1.15 CLF, Add	*33.96*	
		For >6 CLF, Deduct	*-38.13*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	628.96	142.79
		For Up To 1 CLF, Add	*36.46*	
		For >5 CLF, Deduct	*-41.48*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	676.66	147.07
		For Up To 0.8 CLF, Add	*39.68*	
		For >4.5 CLF, Deduct	*-45.53*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	724.38	152.78
		For Up To 0.75 CLF, Add	*42.91*	
		For >4 CLF, Deduct	*-49.59*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	772.08	157.06
		For Up To 0.65 CLF, Add	*46.13*	
		For >3.5 CLF, Deduct	*-53.65*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	915.21	171.35
		For Up To 0.5 CLF, Add	*55.79*	
		For >2.5 CLF, Deduct	*-65.82*	
07 92 13 00-0048		**Flexible Polysulfide Sealant And Caulking, Clear** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	422.13	128.51
		For Up To 6 CLF, Add	*22.02*	
		For >30 CLF, Deduct	*-22.94*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	440.45	128.51
		For Up To 4 CLF, Add	*23.40*	
		For >20 CLF, Deduct	*-24.77*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	473.03	132.79
		For Up To 3 CLF, Add	*25.48*	
		For >15 CLF, Deduct	*-27.31*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	482.18	132.79
		For Up To 2.5 CLF, Add	*26.17*	
		For >13 CLF, Deduct	*-28.23*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	509.65	132.79
		For Up To 2 CLF, Add	*28.23*	
		For >10 CLF, Deduct	*-30.98*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	537.10	132.79
		For Up To 1.5 CLF, Add	*30.29*	
		For >8 CLF, Deduct	*-33.72*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	578.83	138.50
		For Up To 1.3 CLF, Add	*33.06*	
		For >7 CLF, Deduct	*-37.18*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	560.53	138.50
		For Up To 1.4 CLF, Add	*31.69*	
		For >7.5 CLF, Deduct	*-35.35*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	611.44	142.79
		For Up To 1.15 CLF, Add	*35.15*	
		For >6 CLF, Deduct	*-39.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	648.05	142.79
		For Up To 1 CLF, Add	*37.89*	
		For >5 CLF, Deduct	*-43.39*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	698.94	147.07
		For Up To 0.8 CLF, Add	*41.35*	
		For >4.5 CLF, Deduct	*-47.76*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	749.82	152.78
		For Up To 0.75 CLF, Add	*44.81*	
		For >4 CLF, Deduct	*-52.14*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	800.71	157.06
		For Up To 0.65 CLF, Add	*48.27*	
		For >3.5 CLF, Deduct	*-56.51*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	953.38	171.35
		For Up To 0.5 CLF, Add	*58.65*	
		For >2.5 CLF, Deduct	*-69.64*	

07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	429.90	128.51
		For Up To 6 CLF, Add	*22.60*	
		For >30 CLF, Deduct	*-23.71*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	452.09	128.51
		For Up To 4 CLF, Add	*24.27*	
		For >20 CLF, Deduct	*-25.93*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	488.54	132.79
		For Up To 3 CLF, Add	*26.65*	
		For >15 CLF, Deduct	*-28.86*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	499.64	132.79
		For Up To 2.5 CLF, Add	*27.48*	
		For >13 CLF, Deduct	*-29.97*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	532.91	132.79
		For Up To 2 CLF, Add	*29.97*	
		For >10 CLF, Deduct	*-33.30*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	566.19	132.79
		For Up To 1.5 CLF, Add	*32.47*	
		For >8 CLF, Deduct	*-36.63*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	613.75	138.50
		For Up To 1.3 CLF, Add	*35.68*	
		For >7 CLF, Deduct	*-40.67*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	591.57	138.50
		For Up To 1.4 CLF, Add	*34.02*	
		For >7.5 CLF, Deduct	*-38.45*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	650.23	142.79
		For Up To 1.15 CLF, Add	*38.06*	
		For >6 CLF, Deduct	*-43.60*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	694.60	142.79
		For Up To 1 CLF, Add	*41.39*	
		For >5 CLF, Deduct	*-48.04*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	753.24	147.07
		For Up To 0.8 CLF, Add	*45.43*	
		For >4.5 CLF, Deduct	*-53.19*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	811.89	152.78
		For Up To 0.75 CLF, Add	*49.47*	
		For >4 CLF, Deduct	*-58.34*	
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	870.53	157.06
		For Up To 0.65 CLF, Add	*53.51*	
		For >3.5 CLF, Deduct	*-63.49*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,046.49	171.35
		For Up To 0.5 CLF, Add	*65.64*	
		For >2.5 CLF, Deduct	*-78.95*	

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	439.50	128.51
		For Custom Match Coloring, Add	*12.95*	
		For Up To 6 CLF, Add	*23.32*	
		For >30 CLF, Deduct	*-24.67*	
		For 1 Part Mildew Resistant, Add	*18.89*	
		For High-Modulus Non-Acid Curing, Add	*10.79*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	459.99	128.51
		For Custom Match Coloring, Add	*17.87*	
		For Up To 4 CLF, Add	*24.86*	
		For >20 CLF, Deduct	*-26.72*	
		For 1 Part Mildew Resistant, Add	*26.06*	
		For High-Modulus Non-Acid Curing, Add	*14.89*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	486.34	132.79
		For Custom Match Coloring, Add	*20.77*	
		For Up To 3 CLF, Add	*26.48*	
		For >15 CLF, Deduct	*-28.64*	
		For 1 Part Mildew Resistant, Add	*30.29*	
		For High-Modulus Non-Acid Curing, Add	*17.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	519.87	132.79
		For Custom Match Coloring, Add	*28.82*	
		For Up To 2.5 CLF, Add	*29.00*	
		For >13 CLF, Deduct	*-32.00*	
		For 1 Part Mildew Resistant, Add	*42.02*	
		For High-Modulus Non-Acid Curing, Add	*24.01*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	554.73	132.79
		For Custom Match Coloring, Add	*37.18*	
		For Up To 2 CLF, Add	*31.61*	
		For >10 CLF, Deduct	*-35.48*	
		For 1 Part Mildew Resistant, Add	*54.23*	
		For High-Modulus Non-Acid Curing, Add	*30.99*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	632.40	138.50
		For Custom Match Coloring, Add	*52.40*	
		For Up To 1.4 CLF, Add	*37.08*	
		For >7.5 CLF, Deduct	*-42.54*	
		For 1 Part Mildew Resistant, Add	*76.41*	
		For High-Modulus Non-Acid Curing, Add	*43.66*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	95.75	7.19
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	47.18	7.19
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	97.55	7.19

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	131.00	7.19
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	54.48	7.19
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	133.70	7.19

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	66.76	7.19
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	46.13	7.19
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	85.73	7.19

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	87.91	7.19
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	49.77	7.19
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	103.80	7.19

07 95 13 16 Exterior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*

07 95 13 16-0002 Roof To Roof *(07 95 13 16-0001)*

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	135.04	4.79
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	164.70	4.79
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	185.13	4.79

07 95 13 16-0006 Roof To Wall *(07 95 13 16-0001)*

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	97.47	4.79
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	133.78	4.79

07 95 13 16-0009 Flat Wall To Wall *(07 95 13 16-0001)*

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	70.79	4.79
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	92.58	4.79
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	118.87	4.79

07 95 13 16-0013 Corner To Flat Wall *(07 95 13 16-0001)*

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	65.35	4.79
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	79.87	4.79
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	120.69	4.79

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with a two-part polyester-based, putty-like filler resin and hardener (Bondo® Fillers), fine grit sand smooth for finish	24.02	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with a two-part polyester-based, putty-like filler resin and hardener (Bondo® Fillers), fine grit sand smooth for finish	48.19	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	58.01	

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Window Arms	44.92	
08 01 52 61-0003	EA	Removal And Replacement Of Window Crank Operator	49.88	
08 01 52 61-0004	EA	Removal And Replacement Of Brass Window Sash Pull	31.28	
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Lock	28.18	
08 01 52 61-0006	EA	Removal And Replacement Of Sash Guides	15.93	
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	34.27	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing Note: Channel, spiral or coil balance.	105.68	
		For Replacing Two Balances In One Window, Deduct	*-39.42*	

08 01 70 Operation and Maintenance of Hardware *(08 01)*

08 01 71 Operation and Maintenance of Door Hardware *(08 01 70)*

08 01 71 81 Door Hardware Replacement *(08 01 71)*

08 01 71 81-0001 Replacement Folding Door Hardware *(08 01 71 81)*
Note: Includes track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, 4-door aligner (when necessary), and doorknob.

08 01 71 81-0002 2-Door Folding Door Hardware *(08 01 71 81-0001)*

08 01 71 81-0003	SET	24" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	328.17	142.84
08 01 71 81-0004	SET	30" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	338.68	146.41
08 01 71 81-0005	SET	36" Track, 40 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	345.82	149.98
08 01 71 81-0006	SET	36" Track, 50 Lb. Capacity, 2 Panel Bi-Fold Door Hardware Note: Aluminum, top mounted. For replacement only.	367.57	149.98

08 01 71 81-0007 4-Door Folding Door Hardware *(08 01 71 81-0001)*

08 01 71 81-0008	SET	48" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	502.76	214.25
08 01 71 81-0009	SET	48" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	537.93	214.25
08 01 71 81-0010	SET	60" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	513.96	214.25
08 01 71 81-0011	SET	60" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	550.18	214.25
08 01 71 81-0012	SET	72" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	524.86	221.39
08 01 71 81-0013	SET	72" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	562.69	221.39
08 01 71 81-0014	SET	96" Track, 40 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	517.54	221.39
08 01 71 81-0015	SET	96" Track, 50 Lb. Capacity, 4 Panel Bi-Folding Door Hardware Note: Aluminum, top mounted. For replacement only.	540.69	221.39

08 01 71 81-0016 Replacement Sliding Door Hardware *(08 01 71 81)*
Note: Hardware includes track, door pull, by-pass door guide, doorstop, standard hanger, and track stop.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 01 71 81-0017		2-Door Sliding Door Hardware *(08 01 71 81-0016)*		
08 01 71 81-0018	SET	48" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	193.37	71.41
08 01 71 81-0019	SET	48" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	250.25	71.41
08 01 71 81-0020	SET	60" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	214.25	78.56
08 01 71 81-0021	SET	60" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	276.16	78.56
08 01 71 81-0022	SET	72" Track, 100 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	248.59	85.70
08 01 71 81-0023	SET	72" Track, 150 Lb. Capacity, 2 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	302.46	85.70
08 01 71 81-0024		4-Door Sliding Door Hardware *(08 01 71 81-0016)*		
08 01 71 81-0025	SET	96" Track, 200 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	416.65	142.84
08 01 71 81-0026	SET	96" Track, 300 Lb. Capacity, 4 Door Sliding Door Hardware Note: Aluminum fascia track. For replacement only.	492.42	142.84

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001		Glazing Compound Repair *(08 01 81 10)*	
08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing, For Glazing Compound Repair	8.43

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001		Door Vision Panels (Pemko LT-S1) *(08 05 13)* Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.	
08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	155.03
		For 9/16" To 1-1/16" Glazing Pocket, Add	*77.52*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	196.24
		For 9/16" To 1-1/16" Glazing Pocket, Add	*98.12*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	227.64
		For 9/16" To 1-1/16" Glazing Pocket, Add	*113.82*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	290.44
		For 9/16" To 1-1/16" Glazing Pocket, Add	*145.22*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	376.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*188.40*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	480.79
		For 9/16" To 1-1/16" Glazing Pocket, Add	*240.40*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	510.23
		For 9/16" To 1-1/16" Glazing Pocket, Add	*255.12*
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	283.78
		For 9/16" To 1-1/16" Glazing Pocket, Add	*70.47*
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	335.52
		For 9/16" To 1-1/16" Glazing Pocket, Add	*89.20*
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	378.35
		For 9/16" To 1-1/16" Glazing Pocket, Add	*103.48*
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	449.72
		For 9/16" To 1-1/16" Glazing Pocket, Add	*132.02*
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	542.50
		For 9/16" To 1-1/16" Glazing Pocket, Add	*171.27*
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	651.34
		For 9/16" To 1-1/16" Glazing Pocket, Add	*218.55*
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	692.38
		For 9/16" To 1-1/16" Glazing Pocket, Add	*231.93*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0016		**Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY)** *(08 05 13)*		
		Note: Factory primed or powder coated.		
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	147.83	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	167.93	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	228.24	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	425.62	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	526.35	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	628.69	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	820.39	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	965.72	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*115.89*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	254.96	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	285.76	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	356.79	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	564.88	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	676.33	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	789.37	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	991.79	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,144.26	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*115.89*	
08 05 13 00-0033		**Fire Rated Fusible Link Louvers (Pemko LV-FL)** *(08 05 13)*		
		Note: Factory primed or powder coated.		
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	299.36	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	342.56	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	402.37	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	427.91	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	485.40	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	556.63	
08 05 13 00-0040		**Door Hardware Preparation** *(08 05 13)*		
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	107.09	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	264.15	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	121.36	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	214.19	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	35.70	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	392.71	
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	249.87	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	264.15	
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	121.36	
08 05 13 00-0050		**Door Modifications** *(08 05 13)*		
08 05 13 00-0051	EA	Removal And Reinstallation Of Door	121.41	
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame	238.06	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	128.55	
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,555.67	
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	115.45	
08 05 13 00-0056	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	27.31	
08 05 13 00-0057	EA	Removal And Reinstallation Of Wood Door Frame	143.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0058	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	64.65	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	93.38	

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 13 Hollow Metal Doors and Frames *(08 11)*

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 11 16 Aluminum Doors and Frames *(08 11)*

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames *(08 11)*

08 11 63 13 Steel Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*
Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	946.15	196.40
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	960.48	203.54
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,401.16	203.54

08 11 63 23 Aluminum Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*
Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,436.18	114.27
		For Special Finished, Add	*138.06*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,513.78	114.27
08 11 63 23-0004	EA	Aluminum Screen Door	357.56	71.39
08 11 63 23-0005	SF	Repair Screen Door	15.94	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*
Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,716.82	598.82
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,997.37	598.82
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,464.39	598.82
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,975.04	598.82

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*
Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	819.66	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*90.81*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*72.65*	
		For Type 304 Stainless Steel Frame, Add	*1,100.45*	
		For Type 316 Stainless Steel Frame, Add	*1,282.07*	
		For Baked Enamel Finish, Add	*213.76*	
		For 18 Gauge Frame, Deduct	*-60.54*	
		For 14 Gauge Frame, Add	*151.35*	
		For 12 Gauge Frame, Add	*230.06*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	956.41	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*108.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*86.49*	
		For Type 304 Stainless Steel Frame, Add	*1,309.10*	
		For Type 316 Stainless Steel Frame, Add	*1,525.32*	
		For Baked Enamel Finish, Add	*251.57*	
		For 18 Gauge Frame, Deduct	*-72.07*	
		For 14 Gauge Frame, Add	*180.18*	
		For 12 Gauge Frame, Add	*273.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	982.22	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*109.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*87.87*	
		For Type 304 Stainless Steel Frame, Add	*1,330.57*	
		For Type 316 Stainless Steel Frame, Add	*1,550.24*	
		For Baked Enamel Finish, Add	*257.17*	
		For 18 Gauge Frame, Deduct	*-73.23*	
		For 14 Gauge Frame, Add	*183.07*	
		For 12 Gauge Frame, Add	*278.26*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,003.64	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*109.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*87.87*	
		For Type 304 Stainless Steel Frame, Add	*1,331.64*	
		For Type 316 Stainless Steel Frame, Add	*1,551.32*	
		For Baked Enamel Finish, Add	*260.39*	
		For 18 Gauge Frame, Deduct	*-73.23*	
		For 14 Gauge Frame, Add	*183.07*	
		For 12 Gauge Frame, Add	*278.26*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,022.32	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*111.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*89.25*	
		For Type 304 Stainless Steel Frame, Add	*1,352.75*	
		For Type 316 Stainless Steel Frame, Add	*1,575.89*	
		For Baked Enamel Finish, Add	*264.92*	
		For 18 Gauge Frame, Deduct	*-74.38*	
		For 14 Gauge Frame, Add	*185.95*	
		For 12 Gauge Frame, Add	*282.64*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,040.99	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.30*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*90.64*	
		For Type 304 Stainless Steel Frame, Add	*1,373.86*	
		For Type 316 Stainless Steel Frame, Add	*1,600.46*	
		For Baked Enamel Finish, Add	*269.45*	
		For 18 Gauge Frame, Deduct	*-75.53*	
		For 14 Gauge Frame, Add	*188.83*	
		For 12 Gauge Frame, Add	*287.02*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,107.17	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.08*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.87*	
		For Type 304 Stainless Steel Frame, Add	*1,467.99*	
		For Type 316 Stainless Steel Frame, Add	*1,710.16*	
		For Baked Enamel Finish, Add	*287.16*	
		For 18 Gauge Frame, Deduct	*-80.72*	
		For 14 Gauge Frame, Add	*201.81*	
		For 12 Gauge Frame, Add	*306.74*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,121.45	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.08*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.87*	
		For Type 304 Stainless Steel Frame, Add	*1,468.71*	
		For Type 316 Stainless Steel Frame, Add	*1,710.87*	
		For Baked Enamel Finish, Add	*289.30*	
		For 18 Gauge Frame, Deduct	*-80.72*	
		For 14 Gauge Frame, Add	*201.81*	
		For 12 Gauge Frame, Add	*306.74*	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,164.56	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.41*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.32*	
		For Type 304 Stainless Steel Frame, Add	*1,521.30*	
		For Type 316 Stainless Steel Frame, Add	*1,772.11*	
		For Baked Enamel Finish, Add	*300.09*	
		For 18 Gauge Frame, Deduct	*-83.60*	
		For 14 Gauge Frame, Add	*209.01*	
		For 12 Gauge Frame, Add	*317.70*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,207.68	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.73*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*103.78*	
		For Type 304 Stainless Steel Frame, Add	*1,573.91*	
		For Type 316 Stainless Steel Frame, Add	*1,833.37*	
		For Baked Enamel Finish, Add	*310.88*	
		For 18 Gauge Frame, Deduct	*-86.49*	
		For 14 Gauge Frame, Add	*216.22*	
		For 12 Gauge Frame, Add	*328.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,221.95	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.73*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*103.78*	
		For Type 304 Stainless Steel Frame, Add	*1,574.62*	
		For Type 316 Stainless Steel Frame, Add	*1,834.08*	
		For Baked Enamel Finish, Add	*313.02*	
		For 18 Gauge Frame, Deduct	*-86.49*	
		For 14 Gauge Frame, Add	*216.22*	
		For 12 Gauge Frame, Add	*328.65*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,243.52	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*131.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*105.51*	
		For Type 304 Stainless Steel Frame, Add	*1,600.93*	
		For Type 316 Stainless Steel Frame, Add	*1,864.72*	
		For Baked Enamel Finish, Add	*318.42*	
		For 18 Gauge Frame, Deduct	*-87.93*	
		For 14 Gauge Frame, Add	*219.82*	
		For 12 Gauge Frame, Add	*334.13*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,265.07	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.06*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.24*	
		For Type 304 Stainless Steel Frame, Add	*1,627.23*	
		For Type 316 Stainless Steel Frame, Add	*1,895.34*	
		For Baked Enamel Finish, Add	*323.82*	
		For 18 Gauge Frame, Deduct	*-89.37*	
		For 14 Gauge Frame, Add	*223.43*	
		For 12 Gauge Frame, Add	*339.61*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,329.87	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*142.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*114.16*	
		For Type 304 Stainless Steel Frame, Add	*1,731.37*	
		For Type 316 Stainless Steel Frame, Add	*2,016.78*	
		For Baked Enamel Finish, Add	*342.18*	
		For 18 Gauge Frame, Deduct	*-95.14*	
		For 14 Gauge Frame, Add	*237.84*	
		For 12 Gauge Frame, Add	*361.52*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,394.68	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*151.35*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*121.08*	
		For Type 304 Stainless Steel Frame, Add	*1,835.52*	
		For Type 316 Stainless Steel Frame, Add	*2,138.23*	
		For Baked Enamel Finish, Add	*360.56*	
		For 18 Gauge Frame, Deduct	*-100.90*	
		For 14 Gauge Frame, Add	*252.26*	
		For 12 Gauge Frame, Add	*383.43*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	886.93	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.90*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*80.72*	
		For Type 304 Stainless Steel Frame, Add	*1,221.54*	
		For Type 316 Stainless Steel Frame, Add	*1,423.34*	
		For Baked Enamel Finish, Add	*233.94*	
		For 18 Gauge Frame, Deduct	*-67.27*	
		For 14 Gauge Frame, Add	*168.17*	
		For 12 Gauge Frame, Add	*255.62*	
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,036.49	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*120.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.10*	
		For Type 304 Stainless Steel Frame, Add	*1,453.24*	
		For Type 316 Stainless Steel Frame, Add	*1,693.49*	
		For Baked Enamel Finish, Add	*275.60*	
		For 18 Gauge Frame, Deduct	*-80.08*	
		For 14 Gauge Frame, Add	*200.20*	
		For 12 Gauge Frame, Add	*304.31*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,063.58	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,477.01*	
		For Type 316 Stainless Steel Frame, Add	*1,721.10*	
		For Baked Enamel Finish, Add	*281.58*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,085.00	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,478.09*	
		For Type 316 Stainless Steel Frame, Add	*1,722.17*	
		For Baked Enamel Finish, Add	*284.79*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,104.96	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*99.17*	
		For Type 304 Stainless Steel Frame, Add	*1,501.50*	
		For Type 316 Stainless Steel Frame, Add	*1,749.43*	
		For Baked Enamel Finish, Add	*289.71*	
		For 18 Gauge Frame, Deduct	*-82.64*	
		For 14 Gauge Frame, Add	*206.61*	
		For 12 Gauge Frame, Add	*314.04*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,124.92	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.71*	
		For Type 304 Stainless Steel Frame, Add	*1,524.93*	
		For Type 316 Stainless Steel Frame, Add	*1,776.71*	
		For Baked Enamel Finish, Add	*294.63*	
		For 18 Gauge Frame, Deduct	*-83.93*	
		For 14 Gauge Frame, Add	*209.81*	
		For 12 Gauge Frame, Add	*318.92*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,196.86	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,629.44*	
		For Type 316 Stainless Steel Frame, Add	*1,898.51*	
		For Baked Enamel Finish, Add	*314.07*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,211.14	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,630.15*	
		For Type 316 Stainless Steel Frame, Add	*1,899.22*	
		For Baked Enamel Finish, Add	*316.21*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,257.46	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.34*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.47*	
		For Type 304 Stainless Steel Frame, Add	*1,688.52*	
		For Type 316 Stainless Steel Frame, Add	*1,967.20*	
		For Baked Enamel Finish, Add	*327.96*	
		For 18 Gauge Frame, Deduct	*-92.89*	
		For 14 Gauge Frame, Add	*232.24*	
		For 12 Gauge Frame, Add	*353.00*	
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,303.78	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,746.89*	
		For Type 316 Stainless Steel Frame, Add	*2,035.18*	
		For Baked Enamel Finish, Add	*339.71*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,318.05	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,747.60*	
		For Type 316 Stainless Steel Frame, Add	*2,035.89*	
		For Baked Enamel Finish, Add	*341.85*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,341.22	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*117.24*	
		For Type 304 Stainless Steel Frame, Add	*1,776.79*	
		For Type 316 Stainless Steel Frame, Add	*2,069.89*	
		For Baked Enamel Finish, Add	*347.73*	
		For 18 Gauge Frame, Deduct	*-97.70*	
		For 14 Gauge Frame, Add	*244.25*	
		For 12 Gauge Frame, Add	*371.26*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,364.37	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.95*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.16*	
		For Type 304 Stainless Steel Frame, Add	*1,805.97*	
		For Type 316 Stainless Steel Frame, Add	*2,103.87*	
		For Baked Enamel Finish, Add	*353.61*	
		For 18 Gauge Frame, Deduct	*-99.30*	
		For 14 Gauge Frame, Add	*248.25*	
		For 12 Gauge Frame, Add	*377.34*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,435.58	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.56*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*126.85*	
		For Type 304 Stainless Steel Frame, Add	*1,921.65*	
		For Type 316 Stainless Steel Frame, Add	*2,238.77*	
		For Baked Enamel Finish, Add	*373.90*	
		For 18 Gauge Frame, Deduct	*-105.71*	
		For 14 Gauge Frame, Add	*264.27*	
		For 12 Gauge Frame, Add	*401.69*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,506.79	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*134.54*	
		For Type 304 Stainless Steel Frame, Add	*2,037.32*	
		For Type 316 Stainless Steel Frame, Add	*2,373.66*	
		For Baked Enamel Finish, Add	*394.19*	
		For 18 Gauge Frame, Deduct	*-112.11*	
		For 14 Gauge Frame, Add	*280.28*	
		For 12 Gauge Frame, Add	*426.03*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	886.93	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*100.90*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*80.72*	
		For Type 304 Stainless Steel Frame, Add	*1,221.54*	
		For Type 316 Stainless Steel Frame, Add	*1,423.34*	
		For Baked Enamel Finish, Add	*233.94*	
		For 18 Gauge Frame, Deduct	*-67.27*	
		For 14 Gauge Frame, Add	*168.17*	
		For 12 Gauge Frame, Add	*255.62*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,036.49	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*120.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*96.10*	
		For Type 304 Stainless Steel Frame, Add	*1,453.24*	
		For Type 316 Stainless Steel Frame, Add	*1,693.49*	
		For Baked Enamel Finish, Add	*275.60*	
		For 18 Gauge Frame, Deduct	*-80.08*	
		For 14 Gauge Frame, Add	*200.20*	
		For 12 Gauge Frame, Add	*304.31*	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,063.58	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,477.01*	
		For Type 316 Stainless Steel Frame, Add	*1,721.10*	
		For Baked Enamel Finish, Add	*281.58*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,085.00	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*122.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*97.63*	
		For Type 304 Stainless Steel Frame, Add	*1,478.09*	
		For Type 316 Stainless Steel Frame, Add	*1,722.17*	
		For Baked Enamel Finish, Add	*284.79*	
		For 18 Gauge Frame, Deduct	*-81.36*	
		For 14 Gauge Frame, Add	*203.41*	
		For 12 Gauge Frame, Add	*309.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,104.96	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*99.17*	
		For Type 304 Stainless Steel Frame, Add	*1,501.50*	
		For Type 316 Stainless Steel Frame, Add	*1,749.43*	
		For Baked Enamel Finish, Add	*289.71*	
		For 18 Gauge Frame, Deduct	*-82.64*	
		For 14 Gauge Frame, Add	*206.61*	
		For 12 Gauge Frame, Add	*314.04*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,124.92	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.89*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*100.71*	
		For Type 304 Stainless Steel Frame, Add	*1,524.93*	
		For Type 316 Stainless Steel Frame, Add	*1,776.71*	
		For Baked Enamel Finish, Add	*294.63*	
		For 18 Gauge Frame, Deduct	*-83.93*	
		For 14 Gauge Frame, Add	*209.81*	
		For 12 Gauge Frame, Add	*318.92*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,196.86	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,629.44*	
		For Type 316 Stainless Steel Frame, Add	*1,898.51*	
		For Baked Enamel Finish, Add	*314.07*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,211.14	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.54*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*107.63*	
		For Type 304 Stainless Steel Frame, Add	*1,630.15*	
		For Type 316 Stainless Steel Frame, Add	*1,899.22*	
		For Baked Enamel Finish, Add	*316.21*	
		For 18 Gauge Frame, Deduct	*-89.69*	
		For 14 Gauge Frame, Add	*224.23*	
		For 12 Gauge Frame, Add	*340.83*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,257.46	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.34*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.47*	
		For Type 304 Stainless Steel Frame, Add	*1,688.52*	
		For Type 316 Stainless Steel Frame, Add	*1,967.20*	
		For Baked Enamel Finish, Add	*327.96*	
		For 18 Gauge Frame, Deduct	*-92.89*	
		For 14 Gauge Frame, Add	*232.24*	
		For 12 Gauge Frame, Add	*353.00*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,303.78	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,746.89*	
		For Type 316 Stainless Steel Frame, Add	*2,035.18*	
		For Baked Enamel Finish, Add	*339.71*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,318.05	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*144.15*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*115.32*	
		For Type 304 Stainless Steel Frame, Add	*1,747.60*	
		For Type 316 Stainless Steel Frame, Add	*2,035.89*	
		For Baked Enamel Finish, Add	*341.85*	
		For 18 Gauge Frame, Deduct	*-96.10*	
		For 14 Gauge Frame, Add	*240.24*	
		For 12 Gauge Frame, Add	*365.17*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,341.22	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*146.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*117.24*	
		For Type 304 Stainless Steel Frame, Add	*1,776.79*	
		For Type 316 Stainless Steel Frame, Add	*2,069.89*	
		For Baked Enamel Finish, Add	*347.73*	
		For 18 Gauge Frame, Deduct	*-97.70*	
		For 14 Gauge Frame, Add	*244.25*	
		For 12 Gauge Frame, Add	*371.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,364.37	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.95*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.16*	
		For Type 304 Stainless Steel Frame, Add	*1,805.97*	
		For Type 316 Stainless Steel Frame, Add	*2,103.87*	
		For Baked Enamel Finish, Add	*353.61*	
		For 18 Gauge Frame, Deduct	*-99.30*	
		For 14 Gauge Frame, Add	*248.25*	
		For 12 Gauge Frame, Add	*377.34*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,435.58	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.56*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*126.85*	
		For Type 304 Stainless Steel Frame, Add	*1,921.65*	
		For Type 316 Stainless Steel Frame, Add	*2,238.77*	
		For Baked Enamel Finish, Add	*373.90*	
		For 18 Gauge Frame, Deduct	*-105.71*	
		For 14 Gauge Frame, Add	*264.27*	
		For 12 Gauge Frame, Add	*401.69*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,506.79	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*134.54*	
		For Type 304 Stainless Steel Frame, Add	*2,037.32*	
		For Type 316 Stainless Steel Frame, Add	*2,373.66*	
		For Baked Enamel Finish, Add	*394.19*	
		For 18 Gauge Frame, Deduct	*-112.11*	
		For 14 Gauge Frame, Add	*280.28*	
		For 12 Gauge Frame, Add	*426.03*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	961.67	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*89.69*	
		For Type 304 Stainless Steel Frame, Add	*1,356.07*	
		For Type 316 Stainless Steel Frame, Add	*1,580.29*	
		For Baked Enamel Finish, Add	*256.36*	
		For 18 Gauge Frame, Deduct	*-74.74*	
		For 14 Gauge Frame, Add	*186.86*	
		For 12 Gauge Frame, Add	*284.02*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,125.47	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*133.47*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*106.77*	
		For Type 304 Stainless Steel Frame, Add	*1,613.41*	
		For Type 316 Stainless Steel Frame, Add	*1,880.34*	
		For Baked Enamel Finish, Add	*302.29*	
		For 18 Gauge Frame, Deduct	*-88.98*	
		For 14 Gauge Frame, Add	*222.45*	
		For 12 Gauge Frame, Add	*338.12*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,153.98	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.60*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*108.48*	
		For Type 304 Stainless Steel Frame, Add	*1,639.73*	
		For Type 316 Stainless Steel Frame, Add	*1,910.94*	
		For Baked Enamel Finish, Add	*308.70*	
		For 18 Gauge Frame, Deduct	*-90.40*	
		For 14 Gauge Frame, Add	*226.01*	
		For 12 Gauge Frame, Add	*343.53*	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,175.40	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.60*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*108.48*	
		For Type 304 Stainless Steel Frame, Add	*1,640.81*	
		For Type 316 Stainless Steel Frame, Add	*1,912.01*	
		For Baked Enamel Finish, Add	*311.91*	
		For 18 Gauge Frame, Deduct	*-90.40*	
		For 14 Gauge Frame, Add	*226.01*	
		For 12 Gauge Frame, Add	*343.53*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,196.79	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*110.19*	
		For Type 304 Stainless Steel Frame, Add	*1,666.79*	
		For Type 316 Stainless Steel Frame, Add	*1,942.27*	
		For Baked Enamel Finish, Add	*317.26*	
		For 18 Gauge Frame, Deduct	*-91.83*	
		For 14 Gauge Frame, Add	*229.57*	
		For 12 Gauge Frame, Add	*348.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,218.17	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.88*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*111.90*	
		For Type 304 Stainless Steel Frame, Add	*1,692.78*	
		For Type 316 Stainless Steel Frame, Add	*1,972.53*	
		For Baked Enamel Finish, Add	*322.60*	
		For 18 Gauge Frame, Deduct	*-93.25*	
		For 14 Gauge Frame, Add	*233.13*	
		For 12 Gauge Frame, Add	*354.35*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,296.51	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.59*	
		For Type 304 Stainless Steel Frame, Add	*1,808.81*	
		For Type 316 Stainless Steel Frame, Add	*2,107.77*	
		For Baked Enamel Finish, Add	*343.96*	
		For 18 Gauge Frame, Deduct	*-99.66*	
		For 14 Gauge Frame, Add	*249.14*	
		For 12 Gauge Frame, Add	*378.69*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,310.79	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*149.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*119.59*	
		For Type 304 Stainless Steel Frame, Add	*1,809.52*	
		For Type 316 Stainless Steel Frame, Add	*2,108.49*	
		For Baked Enamel Finish, Add	*346.10*	
		For 18 Gauge Frame, Deduct	*-99.66*	
		For 14 Gauge Frame, Add	*249.14*	
		For 12 Gauge Frame, Add	*378.69*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,360.67	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*154.82*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*123.86*	
		For Type 304 Stainless Steel Frame, Add	*1,874.30*	
		For Type 316 Stainless Steel Frame, Add	*2,183.94*	
		For Baked Enamel Finish, Add	*358.92*	
		For 18 Gauge Frame, Deduct	*-103.22*	
		For 14 Gauge Frame, Add	*258.04*	
		For 12 Gauge Frame, Add	*392.22*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,410.55	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.16*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*128.13*	
		For Type 304 Stainless Steel Frame, Add	*1,939.07*	
		For Type 316 Stainless Steel Frame, Add	*2,259.39*	
		For Baked Enamel Finish, Add	*371.74*	
		For 18 Gauge Frame, Deduct	*-106.77*	
		For 14 Gauge Frame, Add	*266.94*	
		For 12 Gauge Frame, Add	*405.74*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,424.82	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*160.16*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*128.13*	
		For Type 304 Stainless Steel Frame, Add	*1,939.79*	
		For Type 316 Stainless Steel Frame, Add	*2,260.11*	
		For Baked Enamel Finish, Add	*373.88*	
		For 18 Gauge Frame, Deduct	*-106.77*	
		For 14 Gauge Frame, Add	*266.94*	
		For 12 Gauge Frame, Add	*405.74*	
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,449.77	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*162.83*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*130.26*	
		For Type 304 Stainless Steel Frame, Add	*1,972.18*	
		For Type 316 Stainless Steel Frame, Add	*2,297.85*	
		For Baked Enamel Finish, Add	*380.30*	
		For 18 Gauge Frame, Deduct	*-108.55*	
		For 14 Gauge Frame, Add	*271.39*	
		For 12 Gauge Frame, Add	*412.51*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,474.71	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.50*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*132.40*	
		For Type 304 Stainless Steel Frame, Add	*2,004.58*	
		For Type 316 Stainless Steel Frame, Add	*2,335.58*	
		For Baked Enamel Finish, Add	*386.71*	
		For 18 Gauge Frame, Deduct	*-110.33*	
		For 14 Gauge Frame, Add	*275.84*	
		For 12 Gauge Frame, Add	*419.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,553.03	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*176.18*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*140.94*	
		For Type 304 Stainless Steel Frame, Add	*2,133.06*	
		For Type 316 Stainless Steel Frame, Add	*2,485.42*	
		For Baked Enamel Finish, Add	*409.13*	
		For 18 Gauge Frame, Deduct	*-117.45*	
		For 14 Gauge Frame, Add	*293.63*	
		For 12 Gauge Frame, Add	*446.32*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,631.36	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*186.86*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*149.48*	
		For Type 304 Stainless Steel Frame, Add	*2,261.54*	
		For Type 316 Stainless Steel Frame, Add	*2,635.25*	
		For Baked Enamel Finish, Add	*431.56*	
		For 18 Gauge Frame, Deduct	*-124.57*	
		For 14 Gauge Frame, Add	*311.43*	
		For 12 Gauge Frame, Add	*473.37*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,279.18	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*159.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*127.79*	
		For Type 304 Stainless Steel Frame, Add	*1,927.59*	
		For Type 316 Stainless Steel Frame, Add	*2,247.07*	
		For Baked Enamel Finish, Add	*351.62*	
		For 18 Gauge Frame, Deduct	*-106.49*	
		For 14 Gauge Frame, Add	*266.23*	
		For 12 Gauge Frame, Add	*404.67*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,503.45	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*190.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*152.13*	
		For Type 304 Stainless Steel Frame, Add	*2,293.77*	
		For Type 316 Stainless Steel Frame, Add	*2,674.10*	
		For Baked Enamel Finish, Add	*415.68*	
		For 18 Gauge Frame, Deduct	*-126.78*	
		For 14 Gauge Frame, Add	*316.94*	
		For 12 Gauge Frame, Add	*481.75*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,538.01	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*154.57*	
		For Type 304 Stainless Steel Frame, Add	*2,330.99*	
		For Type 316 Stainless Steel Frame, Add	*2,717.40*	
		For Baked Enamel Finish, Add	*423.91*	
		For 18 Gauge Frame, Deduct	*-128.81*	
		For 14 Gauge Frame, Add	*322.01*	
		For 12 Gauge Frame, Add	*489.46*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,559.43	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*193.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*154.57*	
		For Type 304 Stainless Steel Frame, Add	*2,332.06*	
		For Type 316 Stainless Steel Frame, Add	*2,718.47*	
		For Baked Enamel Finish, Add	*427.12*	
		For 18 Gauge Frame, Deduct	*-128.81*	
		For 14 Gauge Frame, Add	*322.01*	
		For 12 Gauge Frame, Add	*489.46*	
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,586.87	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*196.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*157.00*	
		For Type 304 Stainless Steel Frame, Add	*2,368.94*	
		For Type 316 Stainless Steel Frame, Add	*2,761.44*	
		For Baked Enamel Finish, Add	*434.28*	
		For 18 Gauge Frame, Deduct	*-130.83*	
		For 14 Gauge Frame, Add	*327.09*	
		For 12 Gauge Frame, Add	*497.17*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,614.29	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*199.29*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*159.43*	
		For Type 304 Stainless Steel Frame, Add	*2,405.80*	
		For Type 316 Stainless Steel Frame, Add	*2,804.39*	
		For Baked Enamel Finish, Add	*441.44*	
		For 18 Gauge Frame, Deduct	*-132.86*	
		For 14 Gauge Frame, Add	*332.16*	
		For 12 Gauge Frame, Add	*504.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,719.85	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*212.99*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*170.39*	
		For Type 304 Stainless Steel Frame, Add	*2,570.82*	
		For Type 316 Stainless Steel Frame, Add	*2,996.79*	
		For Baked Enamel Finish, Add	*470.96*	
		For 18 Gauge Frame, Deduct	*-141.99*	
		For 14 Gauge Frame, Add	*354.98*	
		For 12 Gauge Frame, Add	*539.56*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,734.13	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*212.99*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*170.39*	
		For Type 304 Stainless Steel Frame, Add	*2,571.53*	
		For Type 316 Stainless Steel Frame, Add	*2,997.50*	
		For Baked Enamel Finish, Add	*473.10*	
		For 18 Gauge Frame, Deduct	*-141.99*	
		For 14 Gauge Frame, Add	*354.98*	
		For 12 Gauge Frame, Add	*539.56*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,799.13	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.59*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*176.47*	
		For Type 304 Stainless Steel Frame, Add	*2,663.52*	
		For Type 316 Stainless Steel Frame, Add	*3,104.71*	
		For Baked Enamel Finish, Add	*490.46*	
		For 18 Gauge Frame, Deduct	*-147.06*	
		For 14 Gauge Frame, Add	*367.65*	
		For 12 Gauge Frame, Add	*558.83*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,864.13	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*182.56*	
		For Type 304 Stainless Steel Frame, Add	*2,755.52*	
		For Type 316 Stainless Steel Frame, Add	*3,211.91*	
		For Baked Enamel Finish, Add	*507.82*	
		For 18 Gauge Frame, Deduct	*-152.13*	
		For 14 Gauge Frame, Add	*380.33*	
		For 12 Gauge Frame, Add	*578.10*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,878.40	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*182.56*	
		For Type 304 Stainless Steel Frame, Add	*2,756.23*	
		For Type 316 Stainless Steel Frame, Add	*3,212.63*	
		For Baked Enamel Finish, Add	*509.96*	
		For 18 Gauge Frame, Deduct	*-152.13*	
		For 14 Gauge Frame, Add	*380.33*	
		For 12 Gauge Frame, Add	*578.10*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,910.91	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*232.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*185.60*	
		For Type 304 Stainless Steel Frame, Add	*2,802.24*	
		For Type 316 Stainless Steel Frame, Add	*3,266.24*	
		For Baked Enamel Finish, Add	*518.64*	
		For 18 Gauge Frame, Deduct	*-154.67*	
		For 14 Gauge Frame, Add	*386.67*	
		For 12 Gauge Frame, Add	*587.74*	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,943.40	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*235.80*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*188.64*	
		For Type 304 Stainless Steel Frame, Add	*2,848.22*	
		For Type 316 Stainless Steel Frame, Add	*3,319.83*	
		For Baked Enamel Finish, Add	*527.31*	
		For 18 Gauge Frame, Deduct	*-157.20*	
		For 14 Gauge Frame, Add	*393.01*	
		For 12 Gauge Frame, Add	*597.37*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,051.95	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*251.02*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*200.81*	
		For Type 304 Stainless Steel Frame, Add	*3,031.12*	
		For Type 316 Stainless Steel Frame, Add	*3,533.15*	
		For Baked Enamel Finish, Add	*558.81*	
		For 18 Gauge Frame, Deduct	*-167.34*	
		For 14 Gauge Frame, Add	*418.36*	
		For 12 Gauge Frame, Add	*635.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,160.54	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.99*	
		For Type 304 Stainless Steel Frame, Add	*3,214.07*	
		For Type 316 Stainless Steel Frame, Add	*3,746.53*	
		For Baked Enamel Finish, Add	*590.31*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	
08 12 13 13-0084		>7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*		
08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,397.50	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*177.49*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*141.99*	
		For Type 304 Stainless Steel Frame, Add	*2,140.56*	
		For Type 316 Stainless Steel Frame, Add	*2,495.54*	
		For Baked Enamel Finish, Add	*387.11*	
		For 18 Gauge Frame, Deduct	*-118.33*	
		For 14 Gauge Frame, Add	*295.81*	
		For 12 Gauge Frame, Add	*449.64*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,644.31	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*211.29*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*169.04*	
		For Type 304 Stainless Steel Frame, Add	*2,547.32*	
		For Type 316 Stainless Steel Frame, Add	*2,969.91*	
		For Baked Enamel Finish, Add	*457.94*	
		For 18 Gauge Frame, Deduct	*-140.86*	
		For 14 Gauge Frame, Add	*352.16*	
		For 12 Gauge Frame, Add	*535.28*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,681.13	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.68*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.74*	
		For Type 304 Stainless Steel Frame, Add	*2,588.60*	
		For Type 316 Stainless Steel Frame, Add	*3,017.96*	
		For Baked Enamel Finish, Add	*466.85*	
		For 18 Gauge Frame, Deduct	*-143.12*	
		For 14 Gauge Frame, Add	*357.79*	
		For 12 Gauge Frame, Add	*543.84*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,702.55	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.68*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.74*	
		For Type 304 Stainless Steel Frame, Add	*2,589.68*	
		For Type 316 Stainless Steel Frame, Add	*3,019.03*	
		For Baked Enamel Finish, Add	*470.06*	
		For 18 Gauge Frame, Deduct	*-143.12*	
		For 14 Gauge Frame, Add	*357.79*	
		For 12 Gauge Frame, Add	*543.84*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,732.24	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*218.06*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*174.45*	
		For Type 304 Stainless Steel Frame, Add	*2,630.60*	
		For Type 316 Stainless Steel Frame, Add	*3,066.72*	
		For Baked Enamel Finish, Add	*477.89*	
		For 18 Gauge Frame, Deduct	*-145.37*	
		For 14 Gauge Frame, Add	*363.43*	
		For 12 Gauge Frame, Add	*552.41*	
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,761.91	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*221.44*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*177.15*	
		For Type 304 Stainless Steel Frame, Add	*2,671.52*	
		For Type 316 Stainless Steel Frame, Add	*3,114.39*	
		For Baked Enamel Finish, Add	*485.72*	
		For 18 Gauge Frame, Deduct	*-147.62*	
		For 14 Gauge Frame, Add	*369.06*	
		For 12 Gauge Frame, Add	*560.97*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,877.62	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*236.65*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.32*	
		For Type 304 Stainless Steel Frame, Add	*2,854.80*	
		For Type 316 Stainless Steel Frame, Add	*3,328.10*	
		For Baked Enamel Finish, Add	*518.29*	
		For 18 Gauge Frame, Deduct	*-157.77*	
		For 14 Gauge Frame, Add	*394.42*	
		For 12 Gauge Frame, Add	*599.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,891.90	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*236.65*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.32*	
		For Type 304 Stainless Steel Frame, Add	*2,855.52*	
		For Type 316 Stainless Steel Frame, Add	*3,328.82*	
		For Baked Enamel Finish, Add	*520.44*	
		For 18 Gauge Frame, Deduct	*-157.77*	
		For 14 Gauge Frame, Add	*394.42*	
		For 12 Gauge Frame, Add	*599.51*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,962.53	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.10*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.08*	
		For Type 304 Stainless Steel Frame, Add	*2,957.64*	
		For Type 316 Stainless Steel Frame, Add	*3,447.85*	
		For Baked Enamel Finish, Add	*539.48*	
		For 18 Gauge Frame, Deduct	*-163.40*	
		For 14 Gauge Frame, Add	*408.50*	
		For 12 Gauge Frame, Add	*620.92*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,033.17	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.84*	
		For Type 304 Stainless Steel Frame, Add	*3,059.79*	
		For Type 316 Stainless Steel Frame, Add	*3,566.90*	
		For Baked Enamel Finish, Add	*558.53*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.59*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,047.44	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.55*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.84*	
		For Type 304 Stainless Steel Frame, Add	*3,060.50*	
		For Type 316 Stainless Steel Frame, Add	*3,567.61*	
		For Baked Enamel Finish, Add	*560.67*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.59*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,082.76	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*257.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*206.22*	
		For Type 304 Stainless Steel Frame, Add	*3,111.57*	
		For Type 316 Stainless Steel Frame, Add	*3,627.12*	
		For Baked Enamel Finish, Add	*570.19*	
		For 18 Gauge Frame, Deduct	*-171.85*	
		For 14 Gauge Frame, Add	*429.63*	
		For 12 Gauge Frame, Add	*653.04*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,118.07	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*262.01*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*209.60*	
		For Type 304 Stainless Steel Frame, Add	*3,162.63*	
		For Type 316 Stainless Steel Frame, Add	*3,686.64*	
		For Baked Enamel Finish, Add	*579.72*	
		For 18 Gauge Frame, Deduct	*-174.67*	
		For 14 Gauge Frame, Add	*436.68*	
		For 12 Gauge Frame, Add	*663.75*	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,237.88	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*278.91*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*223.12*	
		For Type 304 Stainless Steel Frame, Add	*3,365.79*	
		For Type 316 Stainless Steel Frame, Add	*3,923.60*	
		For Baked Enamel Finish, Add	*614.59*	
		For 18 Gauge Frame, Deduct	*-185.94*	
		For 14 Gauge Frame, Add	*464.84*	
		For 12 Gauge Frame, Add	*706.56*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,357.74	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*295.81*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*236.65*	
		For Type 304 Stainless Steel Frame, Add	*3,569.03*	
		For Type 316 Stainless Steel Frame, Add	*4,160.65*	
		For Baked Enamel Finish, Add	*649.47*	
		For 18 Gauge Frame, Deduct	*-197.21*	
		For 14 Gauge Frame, Add	*493.02*	
		For 12 Gauge Frame, Add	*749.39*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0101		6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*		
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,359.05	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*171.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*137.38*	
		For Type 304 Stainless Steel Frame, Add	*2,071.35*	
		For Type 316 Stainless Steel Frame, Add	*2,414.79*	
		For Baked Enamel Finish, Add	*375.58*	
		For 18 Gauge Frame, Deduct	*-114.48*	
		For 14 Gauge Frame, Add	*286.20*	
		For 12 Gauge Frame, Add	*435.02*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,598.53	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.43*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*163.54*	
		For Type 304 Stainless Steel Frame, Add	*2,464.91*	
		For Type 316 Stainless Steel Frame, Add	*2,873.77*	
		For Baked Enamel Finish, Add	*444.21*	
		For 18 Gauge Frame, Deduct	*-136.29*	
		For 14 Gauge Frame, Add	*340.71*	
		For 12 Gauge Frame, Add	*517.88*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,634.62	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*166.16*	
		For Type 304 Stainless Steel Frame, Add	*2,504.89*	
		For Type 316 Stainless Steel Frame, Add	*2,920.28*	
		For Baked Enamel Finish, Add	*452.89*	
		For 18 Gauge Frame, Deduct	*-138.47*	
		For 14 Gauge Frame, Add	*346.17*	
		For 12 Gauge Frame, Add	*526.17*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,656.04	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.70*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*166.16*	
		For Type 304 Stainless Steel Frame, Add	*2,505.96*	
		For Type 316 Stainless Steel Frame, Add	*2,921.36*	
		For Baked Enamel Finish, Add	*456.11*	
		For 18 Gauge Frame, Deduct	*-138.47*	
		For 14 Gauge Frame, Add	*346.17*	
		For 12 Gauge Frame, Add	*526.17*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,684.99	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*210.97*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*168.78*	
		For Type 304 Stainless Steel Frame, Add	*2,545.55*	
		For Type 316 Stainless Steel Frame, Add	*2,967.49*	
		For Baked Enamel Finish, Add	*463.72*	
		For 18 Gauge Frame, Deduct	*-140.65*	
		For 14 Gauge Frame, Add	*351.62*	
		For 12 Gauge Frame, Add	*534.45*	
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,713.94	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.24*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.39*	
		For Type 304 Stainless Steel Frame, Add	*2,585.17*	
		For Type 316 Stainless Steel Frame, Add	*3,013.65*	
		For Baked Enamel Finish, Add	*471.33*	
		For 18 Gauge Frame, Deduct	*-142.83*	
		For 14 Gauge Frame, Add	*357.07*	
		For 12 Gauge Frame, Add	*542.74*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,826.34	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*183.17*	
		For Type 304 Stainless Steel Frame, Add	*2,762.50*	
		For Type 316 Stainless Steel Frame, Add	*3,220.42*	
		For Baked Enamel Finish, Add	*502.91*	
		For 18 Gauge Frame, Deduct	*-152.64*	
		For 14 Gauge Frame, Add	*381.60*	
		For 12 Gauge Frame, Add	*580.03*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,840.62	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*228.96*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*183.17*	
		For Type 304 Stainless Steel Frame, Add	*2,763.21*	
		For Type 316 Stainless Steel Frame, Add	*3,221.13*	
		For Baked Enamel Finish, Add	*505.05*	
		For 18 Gauge Frame, Deduct	*-152.64*	
		For 14 Gauge Frame, Add	*381.60*	
		For 12 Gauge Frame, Add	*580.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,909.43	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*237.14*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*189.71*	
		For Type 304 Stainless Steel Frame, Add	*2,862.06*	
		For Type 316 Stainless Steel Frame, Add	*3,336.34*	
		For Baked Enamel Finish, Add	*523.55*	
		For 18 Gauge Frame, Deduct	*-158.09*	
		For 14 Gauge Frame, Add	*395.23*	
		For 12 Gauge Frame, Add	*600.75*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,978.23	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,960.90*	
		For Type 316 Stainless Steel Frame, Add	*3,451.52*	
		For Baked Enamel Finish, Add	*542.05*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,992.50	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,961.61*	
		For Type 316 Stainless Steel Frame, Add	*3,452.24*	
		For Baked Enamel Finish, Add	*544.19*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,026.91	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*199.52*	
		For Type 304 Stainless Steel Frame, Add	*3,011.04*	
		For Type 316 Stainless Steel Frame, Add	*3,509.84*	
		For Baked Enamel Finish, Add	*553.44*	
		For 18 Gauge Frame, Deduct	*-166.27*	
		For 14 Gauge Frame, Add	*415.67*	
		For 12 Gauge Frame, Add	*631.82*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,061.30	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.49*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*202.79*	
		For Type 304 Stainless Steel Frame, Add	*3,060.44*	
		For Type 316 Stainless Steel Frame, Add	*3,567.42*	
		For Baked Enamel Finish, Add	*562.68*	
		For 18 Gauge Frame, Deduct	*-168.99*	
		For 14 Gauge Frame, Add	*422.48*	
		For 12 Gauge Frame, Add	*642.17*	
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,177.46	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*269.84*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*215.87*	
		For Type 304 Stainless Steel Frame, Add	*3,257.04*	
		For Type 316 Stainless Steel Frame, Add	*3,796.72*	
		For Baked Enamel Finish, Add	*596.46*	
		For 18 Gauge Frame, Deduct	*-179.90*	
		For 14 Gauge Frame, Add	*449.74*	
		For 12 Gauge Frame, Add	*683.60*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,293.65	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*286.20*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.96*	
		For Type 304 Stainless Steel Frame, Add	*3,453.67*	
		For Type 316 Stainless Steel Frame, Add	*4,026.06*	
		For Baked Enamel Finish, Add	*630.25*	
		For 18 Gauge Frame, Deduct	*-190.80*	
		For 14 Gauge Frame, Add	*477.00*	
		For 12 Gauge Frame, Add	*725.04*	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,486.24	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*190.80*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*152.64*	
		For Type 304 Stainless Steel Frame, Add	*2,300.29*	
		For Type 316 Stainless Steel Frame, Add	*2,681.89*	
		For Baked Enamel Finish, Add	*413.73*	
		For 18 Gauge Frame, Deduct	*-127.20*	
		For 14 Gauge Frame, Add	*318.00*	
		For 12 Gauge Frame, Add	*483.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,749.96	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*227.14*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*181.71*	
		For Type 304 Stainless Steel Frame, Add	*2,737.49*	
		For Type 316 Stainless Steel Frame, Add	*3,191.77*	
		For Baked Enamel Finish, Add	*489.64*	
		For 18 Gauge Frame, Deduct	*-151.43*	
		For 14 Gauge Frame, Add	*378.57*	
		For 12 Gauge Frame, Add	*575.43*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,788.47	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*184.62*	
		For Type 304 Stainless Steel Frame, Add	*2,781.82*	
		For Type 316 Stainless Steel Frame, Add	*3,243.37*	
		For Baked Enamel Finish, Add	*499.05*	
		For 18 Gauge Frame, Deduct	*-153.85*	
		For 14 Gauge Frame, Add	*384.63*	
		For 12 Gauge Frame, Add	*584.63*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,809.89	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*184.62*	
		For Type 304 Stainless Steel Frame, Add	*2,782.89*	
		For Type 316 Stainless Steel Frame, Add	*3,244.44*	
		For Baked Enamel Finish, Add	*502.26*	
		For 18 Gauge Frame, Deduct	*-153.85*	
		For 14 Gauge Frame, Add	*384.63*	
		For 12 Gauge Frame, Add	*584.63*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,841.26	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.41*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*187.53*	
		For Type 304 Stainless Steel Frame, Add	*2,826.84*	
		For Type 316 Stainless Steel Frame, Add	*3,295.66*	
		For Baked Enamel Finish, Add	*510.60*	
		For 18 Gauge Frame, Deduct	*-156.27*	
		For 14 Gauge Frame, Add	*390.68*	
		For 12 Gauge Frame, Add	*593.84*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,872.63	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.04*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*190.44*	
		For Type 304 Stainless Steel Frame, Add	*2,870.81*	
		For Type 316 Stainless Steel Frame, Add	*3,346.90*	
		For Baked Enamel Finish, Add	*518.94*	
		For 18 Gauge Frame, Deduct	*-158.70*	
		For 14 Gauge Frame, Add	*396.74*	
		For 12 Gauge Frame, Add	*603.04*	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,995.94	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*254.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*203.52*	
		For Type 304 Stainless Steel Frame, Add	*3,067.78*	
		For Type 316 Stainless Steel Frame, Add	*3,576.58*	
		For Baked Enamel Finish, Add	*553.79*	
		For 18 Gauge Frame, Deduct	*-169.60*	
		For 14 Gauge Frame, Add	*424.00*	
		For 12 Gauge Frame, Add	*644.48*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,010.22	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*254.40*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*203.52*	
		For Type 304 Stainless Steel Frame, Add	*3,068.49*	
		For Type 316 Stainless Steel Frame, Add	*3,577.29*	
		For Baked Enamel Finish, Add	*555.93*	
		For 18 Gauge Frame, Deduct	*-169.60*	
		For 14 Gauge Frame, Add	*424.00*	
		For 12 Gauge Frame, Add	*644.48*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,085.08	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*263.48*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*210.79*	
		For Type 304 Stainless Steel Frame, Add	*3,178.23*	
		For Type 316 Stainless Steel Frame, Add	*3,705.20*	
		For Baked Enamel Finish, Add	*576.25*	
		For 18 Gauge Frame, Deduct	*-175.66*	
		For 14 Gauge Frame, Add	*439.14*	
		For 12 Gauge Frame, Add	*667.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,159.94	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*218.06*	
		For Type 304 Stainless Steel Frame, Add	*3,287.97*	
		For Type 316 Stainless Steel Frame, Add	*3,833.11*	
		For Baked Enamel Finish, Add	*596.56*	
		For 18 Gauge Frame, Deduct	*-181.71*	
		For 14 Gauge Frame, Add	*454.28*	
		For 12 Gauge Frame, Add	*690.51*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,174.21	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.57*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*218.06*	
		For Type 304 Stainless Steel Frame, Add	*3,288.69*	
		For Type 316 Stainless Steel Frame, Add	*3,833.83*	
		For Baked Enamel Finish, Add	*598.70*	
		For 18 Gauge Frame, Deduct	*-181.71*	
		For 14 Gauge Frame, Add	*454.28*	
		For 12 Gauge Frame, Add	*690.51*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,211.65	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*277.11*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*221.69*	
		For Type 304 Stainless Steel Frame, Add	*3,343.57*	
		For Type 316 Stainless Steel Frame, Add	*3,897.79*	
		For Baked Enamel Finish, Add	*608.86*	
		For 18 Gauge Frame, Deduct	*-184.74*	
		For 14 Gauge Frame, Add	*461.86*	
		For 12 Gauge Frame, Add	*702.02*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,249.07	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.66*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*225.32*	
		For Type 304 Stainless Steel Frame, Add	*3,398.43*	
		For Type 316 Stainless Steel Frame, Add	*3,961.74*	
		For Baked Enamel Finish, Add	*619.02*	
		For 18 Gauge Frame, Deduct	*-187.77*	
		For 14 Gauge Frame, Add	*469.43*	
		For 12 Gauge Frame, Add	*713.53*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,377.33	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*299.82*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*239.86*	
		For Type 304 Stainless Steel Frame, Add	*3,616.80*	
		For Type 316 Stainless Steel Frame, Add	*4,216.45*	
		For Baked Enamel Finish, Add	*656.42*	
		For 18 Gauge Frame, Deduct	*-199.88*	
		For 14 Gauge Frame, Add	*499.71*	
		For 12 Gauge Frame, Add	*759.55*	
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,505.65	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*318.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*254.40*	
		For Type 304 Stainless Steel Frame, Add	*3,835.27*	
		For Type 316 Stainless Steel Frame, Add	*4,471.26*	
		For Baked Enamel Finish, Add	*693.85*	
		For 18 Gauge Frame, Deduct	*-212.00*	
		For 14 Gauge Frame, Add	*530.00*	
		For 12 Gauge Frame, Add	*805.60*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,412.29	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.71*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*143.76*	
		For Type 304 Stainless Steel Frame, Add	*2,167.18*	
		For Type 316 Stainless Steel Frame, Add	*2,526.60*	
		For Baked Enamel Finish, Add	*391.55*	
		For 18 Gauge Frame, Deduct	*-119.80*	
		For 14 Gauge Frame, Add	*299.51*	
		For 12 Gauge Frame, Add	*455.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,661.92	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*213.94*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*171.15*	
		For Type 304 Stainless Steel Frame, Add	*2,579.02*	
		For Type 316 Stainless Steel Frame, Add	*3,006.89*	
		For Baked Enamel Finish, Add	*463.22*	
		For 18 Gauge Frame, Deduct	*-142.62*	
		For 14 Gauge Frame, Add	*356.56*	
		For 12 Gauge Frame, Add	*541.97*	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,699.02	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.36*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*173.89*	
		For Type 304 Stainless Steel Frame, Add	*2,620.81*	
		For Type 316 Stainless Steel Frame, Add	*3,055.52*	
		For Baked Enamel Finish, Add	*472.21*	
		For 18 Gauge Frame, Deduct	*-144.91*	
		For 14 Gauge Frame, Add	*362.27*	
		For 12 Gauge Frame, Add	*550.64*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,720.44	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*217.36*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*173.89*	
		For Type 304 Stainless Steel Frame, Add	*2,621.88*	
		For Type 316 Stainless Steel Frame, Add	*3,056.60*	
		For Baked Enamel Finish, Add	*475.43*	
		For 18 Gauge Frame, Deduct	*-144.91*	
		For 14 Gauge Frame, Add	*362.27*	
		For 12 Gauge Frame, Add	*550.64*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,750.41	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.78*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*176.63*	
		For Type 304 Stainless Steel Frame, Add	*2,663.31*	
		For Type 316 Stainless Steel Frame, Add	*3,104.87*	
		For Baked Enamel Finish, Add	*483.34*	
		For 18 Gauge Frame, Deduct	*-147.19*	
		For 14 Gauge Frame, Add	*367.97*	
		For 12 Gauge Frame, Add	*559.31*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,780.37	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*224.21*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*179.36*	
		For Type 304 Stainless Steel Frame, Add	*2,704.74*	
		For Type 316 Stainless Steel Frame, Add	*3,153.15*	
		For Baked Enamel Finish, Add	*491.26*	
		For 18 Gauge Frame, Deduct	*-149.47*	
		For 14 Gauge Frame, Add	*373.68*	
		For 12 Gauge Frame, Add	*567.99*	
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,897.34	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.61*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*191.69*	
		For Type 304 Stainless Steel Frame, Add	*2,890.30*	
		For Type 316 Stainless Steel Frame, Add	*3,369.52*	
		For Baked Enamel Finish, Add	*524.21*	
		For 18 Gauge Frame, Deduct	*-159.74*	
		For 14 Gauge Frame, Add	*399.35*	
		For 12 Gauge Frame, Add	*607.01*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,911.62	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.61*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*191.69*	
		For Type 304 Stainless Steel Frame, Add	*2,891.01*	
		For Type 316 Stainless Steel Frame, Add	*3,370.23*	
		For Baked Enamel Finish, Add	*526.35*	
		For 18 Gauge Frame, Deduct	*-159.74*	
		For 14 Gauge Frame, Add	*399.35*	
		For 12 Gauge Frame, Add	*607.01*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,982.96	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*248.17*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*198.53*	
		For Type 304 Stainless Steel Frame, Add	*2,994.42*	
		For Type 316 Stainless Steel Frame, Add	*3,490.75*	
		For Baked Enamel Finish, Add	*545.61*	
		For 18 Gauge Frame, Deduct	*-165.44*	
		For 14 Gauge Frame, Add	*413.61*	
		For 12 Gauge Frame, Add	*628.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,054.30	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*205.38*	
		For Type 304 Stainless Steel Frame, Add	*3,097.82*	
		For Type 316 Stainless Steel Frame, Add	*3,611.27*	
		For Baked Enamel Finish, Add	*564.87*	
		For 18 Gauge Frame, Deduct	*-171.15*	
		For 14 Gauge Frame, Add	*427.87*	
		For 12 Gauge Frame, Add	*650.37*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,068.57	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.72*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*205.38*	
		For Type 304 Stainless Steel Frame, Add	*3,098.54*	
		For Type 316 Stainless Steel Frame, Add	*3,611.98*	
		For Baked Enamel Finish, Add	*567.01*	
		For 18 Gauge Frame, Deduct	*-171.15*	
		For 14 Gauge Frame, Add	*427.87*	
		For 12 Gauge Frame, Add	*650.37*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,104.24	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*261.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*208.80*	
		For Type 304 Stainless Steel Frame, Add	*3,150.23*	
		For Type 316 Stainless Steel Frame, Add	*3,672.23*	
		For Baked Enamel Finish, Add	*576.64*	
		For 18 Gauge Frame, Deduct	*-174.00*	
		For 14 Gauge Frame, Add	*435.00*	
		For 12 Gauge Frame, Add	*661.20*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,139.91	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*265.28*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.22*	
		For Type 304 Stainless Steel Frame, Add	*3,201.94*	
		For Type 316 Stainless Steel Frame, Add	*3,732.50*	
		For Baked Enamel Finish, Add	*586.27*	
		For 18 Gauge Frame, Deduct	*-176.85*	
		For 14 Gauge Frame, Add	*442.14*	
		For 12 Gauge Frame, Add	*672.05*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,261.13	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*282.39*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*225.91*	
		For Type 304 Stainless Steel Frame, Add	*3,407.64*	
		For Type 316 Stainless Steel Frame, Add	*3,972.43*	
		For Baked Enamel Finish, Add	*621.56*	
		For 18 Gauge Frame, Deduct	*-188.26*	
		For 14 Gauge Frame, Add	*470.66*	
		For 12 Gauge Frame, Add	*715.40*	
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,382.40	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*299.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*239.61*	
		For Type 304 Stainless Steel Frame, Add	*3,613.42*	
		For Type 316 Stainless Steel Frame, Add	*4,212.44*	
		For Baked Enamel Finish, Add	*656.87*	
		For 18 Gauge Frame, Deduct	*-199.67*	
		For 14 Gauge Frame, Add	*499.19*	
		For 12 Gauge Frame, Add	*758.76*	

08 12 13 13-0150 >7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,545.41	107.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*199.67*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*159.74*	
		For Type 304 Stainless Steel Frame, Add	*2,406.80*	
		For Type 316 Stainless Steel Frame, Add	*2,806.15*	
		For Baked Enamel Finish, Add	*431.49*	
		For 18 Gauge Frame, Deduct	*-133.12*	
		For 14 Gauge Frame, Add	*332.79*	
		For 12 Gauge Frame, Add	*505.84*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,820.39	117.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*237.71*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*190.17*	
		For Type 304 Stainless Steel Frame, Add	*2,864.26*	
		For Type 316 Stainless Steel Frame, Add	*3,339.68*	
		For Baked Enamel Finish, Add	*510.77*	
		For 18 Gauge Frame, Deduct	*-158.47*	
		For 14 Gauge Frame, Add	*396.18*	
		For 12 Gauge Frame, Add	*602.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,860.02	124.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*193.21*	
		For Type 304 Stainless Steel Frame, Add	*2,910.61*	
		For Type 316 Stainless Steel Frame, Add	*3,393.62*	
		For Baked Enamel Finish, Add	*520.51*	
		For 18 Gauge Frame, Deduct	*-161.01*	
		For 14 Gauge Frame, Add	*402.52*	
		For 12 Gauge Frame, Add	*611.82*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,881.44	135.69
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.51*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*193.21*	
		For Type 304 Stainless Steel Frame, Add	*2,911.68*	
		For Type 316 Stainless Steel Frame, Add	*3,394.70*	
		For Baked Enamel Finish, Add	*523.73*	
		For 18 Gauge Frame, Deduct	*-161.01*	
		For 14 Gauge Frame, Add	*402.52*	
		For 12 Gauge Frame, Add	*611.82*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,913.95	139.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.31*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*196.25*	
		For Type 304 Stainless Steel Frame, Add	*2,957.68*	
		For Type 316 Stainless Steel Frame, Add	*3,448.31*	
		For Baked Enamel Finish, Add	*532.41*	
		For 18 Gauge Frame, Deduct	*-163.54*	
		For 14 Gauge Frame, Add	*408.86*	
		For 12 Gauge Frame, Add	*621.46*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,946.45	142.84
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.12*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*199.29*	
		For Type 304 Stainless Steel Frame, Add	*3,003.69*	
		For Type 316 Stainless Steel Frame, Add	*3,501.92*	
		For Baked Enamel Finish, Add	*541.08*	
		For 18 Gauge Frame, Deduct	*-166.08*	
		For 14 Gauge Frame, Add	*415.20*	
		For 12 Gauge Frame, Add	*631.10*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,074.82	149.98
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.98*	
		For Type 304 Stainless Steel Frame, Add	*3,209.76*	
		For Type 316 Stainless Steel Frame, Add	*3,742.22*	
		For Baked Enamel Finish, Add	*577.45*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,089.10	157.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*266.23*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*212.98*	
		For Type 304 Stainless Steel Frame, Add	*3,210.48*	
		For Type 316 Stainless Steel Frame, Add	*3,742.94*	
		For Baked Enamel Finish, Add	*579.60*	
		For 18 Gauge Frame, Deduct	*-177.49*	
		For 14 Gauge Frame, Add	*443.72*	
		For 12 Gauge Frame, Add	*674.45*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,166.78	164.25
		For Auxiliary Frame Reinforcement For Hinges, Add	*275.74*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*220.59*	
		For Type 304 Stainless Steel Frame, Add	*3,325.29*	
		For Type 316 Stainless Steel Frame, Add	*3,876.77*	
		For Baked Enamel Finish, Add	*600.76*	
		For 18 Gauge Frame, Deduct	*-183.83*	
		For 14 Gauge Frame, Add	*459.57*	
		For 12 Gauge Frame, Add	*698.54*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,244.46	171.40
		For Auxiliary Frame Reinforcement For Hinges, Add	*285.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.20*	
		For Type 304 Stainless Steel Frame, Add	*3,440.11*	
		For Type 316 Stainless Steel Frame, Add	*4,010.61*	
		For Baked Enamel Finish, Add	*621.92*	
		For 18 Gauge Frame, Deduct	*-190.17*	
		For 14 Gauge Frame, Add	*475.41*	
		For 12 Gauge Frame, Add	*722.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,258.73	178.54
		For Auxiliary Frame Reinforcement For Hinges, Add	*285.25*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*228.20*	
		For Type 304 Stainless Steel Frame, Add	*3,440.82*	
		For Type 316 Stainless Steel Frame, Add	*4,011.32*	
		For Baked Enamel Finish, Add	*624.06*	
		For 18 Gauge Frame, Deduct	*-190.17*	
		For 14 Gauge Frame, Add	*475.41*	
		For 12 Gauge Frame, Add	*722.63*	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,297.58	182.11
		For Auxiliary Frame Reinforcement For Hinges, Add	*290.00*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*232.00*	
		For Type 304 Stainless Steel Frame, Add	*3,498.24*	
		For Type 316 Stainless Steel Frame, Add	*4,078.25*	
		For Baked Enamel Finish, Add	*634.64*	
		For 18 Gauge Frame, Deduct	*-193.34*	
		For 14 Gauge Frame, Add	*483.34*	
		For 12 Gauge Frame, Add	*734.67*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,336.41	185.68
		For Auxiliary Frame Reinforcement For Hinges, Add	*294.76*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*235.80*	
		For Type 304 Stainless Steel Frame, Add	*3,555.64*	
		For Type 316 Stainless Steel Frame, Add	*4,145.15*	
		For Baked Enamel Finish, Add	*645.22*	
		For 18 Gauge Frame, Deduct	*-196.50*	
		For 14 Gauge Frame, Add	*491.26*	
		For 12 Gauge Frame, Add	*746.72*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,470.30	189.26
		For Auxiliary Frame Reinforcement For Hinges, Add	*313.77*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*251.01*	
		For Type 304 Stainless Steel Frame, Add	*3,784.15*	
		For Type 316 Stainless Steel Frame, Add	*4,411.68*	
		For Baked Enamel Finish, Add	*684.31*	
		For 18 Gauge Frame, Deduct	*-209.18*	
		For 14 Gauge Frame, Add	*522.95*	
		For 12 Gauge Frame, Add	*794.88*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,604.25	192.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*332.79*	
		For Welded Frames, Add	*352.93*	
		For Galvanized Frames, Add	*266.23*	
		For Type 304 Stainless Steel Frame, Add	*4,012.75*	
		For Type 316 Stainless Steel Frame, Add	*4,678.32*	
		For Baked Enamel Finish, Add	*723.43*	
		For 18 Gauge Frame, Deduct	*-221.86*	
		For 14 Gauge Frame, Add	*554.65*	
		For 12 Gauge Frame, Add	*843.06*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms *(08 12 13 13-0166)*

Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	147.74	20.00
		For Movable Frame, Add	*29.55*	
		For 18 Gauge Frame, Deduct	*-10.77*	
		For 14 Gauge Frame, Add	*26.94*	
		For 12 Gauge Frame, Add	*40.94*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	154.46	20.71
		For Movable Frame, Add	*30.89*	
		For 18 Gauge Frame, Deduct	*-11.30*	
		For 14 Gauge Frame, Add	*28.26*	
		For 12 Gauge Frame, Add	*42.96*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	161.58	21.43
		For Movable Frame, Add	*32.32*	
		For 18 Gauge Frame, Deduct	*-11.87*	
		For 14 Gauge Frame, Add	*29.68*	
		For 12 Gauge Frame, Add	*45.12*	

08 12 13 13-0171 Operable Steel Transom Sash *(08 12 13 13-0166)*

Note: Includes hardware.

08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	220.52	20.00
		For 18 Gauge Frame, Deduct	*-18.05*	
		For 14 Gauge Frame, Add	*45.13*	
		For 12 Gauge Frame, Add	*68.60*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	230.99	20.71
		For 18 Gauge Frame, Deduct	*-18.96*	
		For 14 Gauge Frame, Add	*47.39*	
		For 12 Gauge Frame, Add	*72.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	241.88	21.43
		For 18 Gauge Frame, Deduct	*-19.90*	
		For 14 Gauge Frame, Add	*49.76*	
		For 12 Gauge Frame, Add	*75.63*	
08 12 13 13-0175		**Sidelights, Steel Frame** *(08 12 13 13-0166)*		
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	155.77	20.00
		For 18 Gauge Frame, Deduct	*-11.58*	
		For 14 Gauge Frame, Add	*28.94*	
		For 12 Gauge Frame, Add	*43.99*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	163.00	20.71
		For 18 Gauge Frame, Deduct	*-12.16*	
		For 14 Gauge Frame, Add	*30.40*	
		For 12 Gauge Frame, Add	*46.20*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	170.47	21.43
		For 18 Gauge Frame, Deduct	*-12.76*	
		For 14 Gauge Frame, Add	*31.91*	
		For 12 Gauge Frame, Add	*48.50*	
08 12 13 13-0179		**Sundry Hollow Metal Frame Sections** *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180		**16 Gauge, Hollow Metal Frame Vertical Mullions** *(08 12 13 13-0179)*		
08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.64	8.00
		For 18 Gauge Frame, Deduct	*-1.85*	
		For 14 Gauge Frame, Add	*4.63*	
		For 12 Gauge Frame, Add	*7.04*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.38	8.00
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.22	8.28
		For 18 Gauge Frame, Deduct	*-1.85*	
		For 14 Gauge Frame, Add	*4.63*	
		For 12 Gauge Frame, Add	*7.04*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.37	8.28
		For 18 Gauge Frame, Deduct	*-1.97*	
		For 14 Gauge Frame, Add	*4.92*	
		For 12 Gauge Frame, Add	*7.47*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.60	8.43
		For 18 Gauge Frame, Deduct	*-1.94*	
		For 14 Gauge Frame, Add	*4.86*	
		For 12 Gauge Frame, Add	*7.39*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	41.04	8.43
		For 18 Gauge Frame, Deduct	*-1.99*	
		For 14 Gauge Frame, Add	*4.97*	
		For 12 Gauge Frame, Add	*7.55*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0187		**16 Gauge, Hollow Metal Frame Horizontal Rails** *(08 12 13 13-0179)*		
08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.38	8.00
		For 18 Gauge Frame, Deduct	*-0.93*	
		For 14 Gauge Frame, Add	*2.32*	
		For 12 Gauge Frame, Add	*3.52*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.32	8.00
		For 18 Gauge Frame, Deduct	*-1.02*	
		For 14 Gauge Frame, Add	*2.55*	
		For 12 Gauge Frame, Add	*3.88*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.96	8.28
		For 18 Gauge Frame, Deduct	*-0.93*	
		For 14 Gauge Frame, Add	*2.32*	
		For 12 Gauge Frame, Add	*3.52*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.90	8.28
		For 18 Gauge Frame, Deduct	*-1.02*	
		For 14 Gauge Frame, Add	*2.55*	
		For 12 Gauge Frame, Add	*3.88*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.88	8.43
		For 18 Gauge Frame, Deduct	*-0.97*	
		For 14 Gauge Frame, Add	*2.43*	
		For 12 Gauge Frame, Add	*3.69*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	31.70	8.43
		For 18 Gauge Frame, Deduct	*-1.05*	
		For 14 Gauge Frame, Add	*2.64*	
		For 12 Gauge Frame, Add	*4.01*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions *(08 12 13 13-0179)*		
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	874.70	55.99
		For 18 Gauge Frame, Deduct	*-73.47*	
		For 14 Gauge Frame, Add	*183.68*	
		For 12 Gauge Frame, Add	*279.20*	
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	904.00	55.99
		For 18 Gauge Frame, Deduct	*-76.40*	
		For 14 Gauge Frame, Add	*191.01*	
		For 12 Gauge Frame, Add	*290.33*	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	997.27	58.57
		For 18 Gauge Frame, Deduct	*-85.30*	
		For 14 Gauge Frame, Add	*213.25*	
		For 12 Gauge Frame, Add	*324.14*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,023.43	58.57
		For 18 Gauge Frame, Deduct	*-87.92*	
		For 14 Gauge Frame, Add	*219.79*	
		For 12 Gauge Frame, Add	*334.08*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,152.64	59.99
		For 18 Gauge Frame, Deduct	*-100.27*	
		For 14 Gauge Frame, Add	*250.67*	
		For 12 Gauge Frame, Add	*381.01*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,170.44	59.99
		For 18 Gauge Frame, Deduct	*-102.05*	
		For 14 Gauge Frame, Add	*255.12*	
		For 12 Gauge Frame, Add	*387.77*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0201		Metal Frames Accessories *(08 12 13 13)*		
08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	33.23	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001 Aluminum Door Frames *(08 12 16)*

08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0003	EA	2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	761.99	139.26
08 12 16 00-0004	EA	3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	776.63	142.84
08 12 16 00-0005	EA	3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	824.64	149.98
08 12 16 00-0006	EA	3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	838.92	157.12
08 12 16 00-0007	EA	4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	871.95	164.25
08 12 16 00-0008	EA	6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	818.22	185.68
08 12 16 00-0009	EA	7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	854.19	189.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 16 00-0010	EA	8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,394.68	192.83
08 12 16 00-0011		**5-1/4" Deep, Aluminum Door Frames** *(08 12 16 00-0001)*		
08 12 16 00-0012	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	815.71	139.26
08 12 16 00-0013	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	831.18	142.84
08 12 16 00-0014	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	882.94	149.98
08 12 16 00-0015	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	897.22	157.12
08 12 16 00-0016	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	932.33	164.25
08 12 16 00-0017	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,016.82	185.68
08 12 16 00-0018	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,065.60	189.26
08 12 16 00-0019	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,114.40	192.83
08 12 16 00-0020		**Two Piece Aluminum Door Frames** *(08 12 16)*		
08 12 16 00-0021		**4-1/8" x 3/8" Two Piece Aluminum Door Frames** *(08 12 16 00-0020)*		
08 12 16 00-0022	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	3,911.86	78.56
08 12 16 00-0023	EA	Two Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-1/8" x 3/8" x 1/8" With Semicircular Head	3,911.86	78.56
08 12 16 00-0024		**4-3/4" x 1-3/8" Two Piece Aluminum Door Frames** *(08 12 16 00-0020)*		
08 12 16 00-0025	EA	Two Piece Aluminum Door Frame, 2'-2" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	3,911.86	78.56
08 12 16 00-0026	EA	Two Piece Aluminum Door Frame Piece Aluminum Door Frame, 2'-6" x 6'-9" Opening 4-3/4" x 1-3/8" x 1/8" With Semicircular Head	3,911.86	78.56

08 12 19 Stainless-Steel Frames *(08 12)*

08 12 19 00-0001 4-3/4" To 6" Deep Frame, 14 Gauge, Type 304 Stainless Steel Single Door Frame *(08 12 19)*

Note: Excludes center mullion.

08 12 19 00-0002	EA	2'-6" x 7'-0", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,536.22	107.13
		For 12 Gauge Frame, Add	*696.94*	
		For 16 Gauge Frame, Deduct	*-202.11*	
		For 18 Gauge Frame, Deduct	*-264.84*	
		For Seamless Welded Frame, Add	*459.98*	
		For 316 Stainless Steel Frame, Add	*857.23*	
08 12 19 00-0003	EA	3' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,636.20	157.12
		For 12 Gauge Frame, Add	*707.94*	
		For 16 Gauge Frame, Deduct	*-205.30*	
		For 18 Gauge Frame, Deduct	*-269.02*	
		For Seamless Welded Frame, Add	*467.24*	
		For 316 Stainless Steel Frame, Add	*870.76*	
08 12 19 00-0004	EA	3'-6" x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,671.62	157.12
		For 12 Gauge Frame, Add	*718.21*	
		For 16 Gauge Frame, Deduct	*-208.28*	
		For 18 Gauge Frame, Deduct	*-272.92*	
		For Seamless Welded Frame, Add	*474.02*	
		For 316 Stainless Steel Frame, Add	*883.40*	
08 12 19 00-0005	EA	4' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,670.31	157.12
		For 12 Gauge Frame, Add	*717.83*	
		For 16 Gauge Frame, Deduct	*-208.17*	
		For 18 Gauge Frame, Deduct	*-272.77*	
		For Seamless Welded Frame, Add	*473.77*	
		For 316 Stainless Steel Frame, Add	*882.93*	
08 12 19 00-0006	EA	3' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,988.25	164.25
		For 12 Gauge Frame, Add	*807.46*	
		For 16 Gauge Frame, Deduct	*-234.16*	
		For 18 Gauge Frame, Deduct	*-306.83*	
		For Seamless Welded Frame, Add	*532.92*	
		For 316 Stainless Steel Frame, Add	*993.17*	
08 12 19 00-0007	EA	3'-6" x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,027.86	164.25
		For 12 Gauge Frame, Add	*818.95*	
		For 16 Gauge Frame, Deduct	*-237.49*	
		For 18 Gauge Frame, Deduct	*-311.20*	
		For Seamless Welded Frame, Add	*540.50*	
		For 316 Stainless Steel Frame, Add	*1,007.30*	
08 12 19 00-0008	EA	4' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	2,838.67	167.83
		For 12 Gauge Frame, Add	*762.80*	
		For 16 Gauge Frame, Deduct	*-221.21*	
		For 18 Gauge Frame, Deduct	*-289.86*	
		For Seamless Welded Frame, Add	*503.45*	
		For 316 Stainless Steel Frame, Add	*938.24*	
08 12 19 00-0009	EA	5' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,324.65	171.40
		For 12 Gauge Frame, Add	*902.44*	
		For 16 Gauge Frame, Deduct	*-261.71*	
		For 18 Gauge Frame, Deduct	*-342.93*	
		For Seamless Welded Frame, Add	*595.61*	
		For 316 Stainless Steel Frame, Add	*1,110.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 19 00-0010	EA	6' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,353.21	185.68
		For 12 Gauge Frame, Add	*905.58*	
		For 16 Gauge Frame, Deduct	*-262.62*	
		For 18 Gauge Frame, Deduct	*-344.12*	
		For Seamless Welded Frame, Add	*597.69*	
		For 316 Stainless Steel Frame, Add	*1,113.87*	
08 12 19 00-0011	EA	7' x 7', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,487.59	189.26
		For 12 Gauge Frame, Add	*943.27*	
		For 16 Gauge Frame, Deduct	*-273.55*	
		For 18 Gauge Frame, Deduct	*-358.44*	
		For Seamless Welded Frame, Add	*622.56*	
		For 316 Stainless Steel Frame, Add	*1,160.22*	
08 12 19 00-0012	EA	5' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,485.84	178.54
		For 12 Gauge Frame, Add	*946.62*	
		For 16 Gauge Frame, Deduct	*-274.52*	
		For 18 Gauge Frame, Deduct	*-359.72*	
		For Seamless Welded Frame, Add	*624.77*	
		For 316 Stainless Steel Frame, Add	*1,164.34*	
08 12 19 00-0013	EA	6' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,507.27	189.26
		For 12 Gauge Frame, Add	*948.98*	
		For 16 Gauge Frame, Deduct	*-275.20*	
		For 18 Gauge Frame, Deduct	*-360.61*	
		For Seamless Welded Frame, Add	*626.32*	
		For 316 Stainless Steel Frame, Add	*1,167.24*	
08 12 19 00-0014	EA	7' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,639.05	192.83
		For 12 Gauge Frame, Add	*985.91*	
		For 16 Gauge Frame, Deduct	*-285.91*	
		For 18 Gauge Frame, Deduct	*-374.64*	
		For Seamless Welded Frame, Add	*650.70*	
		For 316 Stainless Steel Frame, Add	*1,212.66*	
08 12 19 00-0015	EA	8' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame	3,653.32	199.97
		For 12 Gauge Frame, Add	*987.48*	
		For 16 Gauge Frame, Deduct	*-286.37*	
		For 18 Gauge Frame, Deduct	*-375.24*	
		For Seamless Welded Frame, Add	*651.73*	
		For 316 Stainless Steel Frame, Add	*1,214.59*	

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	583.94	78.56
		For Galvanized Steel Door, Add	*85.36*	
		For Type 304 Stainless Steel Door, Add	*341.46*	
		For Type 316 Stainless Steel Door, Add	*554.87*	
		For Embossed Panel Door, Add	*102.44*	
		For Baked Enamel Finish, Add	*151.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.13*	
		For >100, Deduct	*-47.72*	
		For Polystyrene Core, Add	*42.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*53.35*	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	583.94	78.56
		For Galvanized Steel Door, Add	*85.36*	
		For Type 304 Stainless Steel Door, Add	*341.46*	
		For Type 316 Stainless Steel Door, Add	*554.87*	
		For Embossed Panel Door, Add	*102.44*	
		For Baked Enamel Finish, Add	*151.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.13*	
		For >100, Deduct	*-47.72*	
		For Polystyrene Core, Add	*42.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*106.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*53.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	599.80	82.13
		For Galvanized Steel Door, Add	*87.11*	
		For Type 304 Stainless Steel Door, Add	*348.44*	
		For Type 316 Stainless Steel Door, Add	*566.22*	
		For Embossed Panel Door, Add	*104.53*	
		For Baked Enamel Finish, Add	*155.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.10*	
		For >100, Deduct	*-49.09*	
		For Polystyrene Core, Add	*43.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*108.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.44*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	606.30	82.13
		For Galvanized Steel Door, Add	*88.41*	
		For Type 304 Stainless Steel Door, Add	*353.64*	
		For Type 316 Stainless Steel Door, Add	*574.67*	
		For Embossed Panel Door, Add	*106.09*	
		For Baked Enamel Finish, Add	*157.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.42*	
		For >100, Deduct	*-49.58*	
		For Polystyrene Core, Add	*44.21*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.26*	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	612.48	83.91
		For Galvanized Steel Door, Add	*88.93*	
		For Type 304 Stainless Steel Door, Add	*355.72*	
		For Type 316 Stainless Steel Door, Add	*578.05*	
		For Embossed Panel Door, Add	*106.72*	
		For Baked Enamel Finish, Add	*158.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.82*	
		For >100, Deduct	*-50.13*	
		For Polystyrene Core, Add	*44.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.58*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	618.65	85.70
		For Galvanized Steel Door, Add	*89.45*	
		For Type 304 Stainless Steel Door, Add	*357.80*	
		For Type 316 Stainless Steel Door, Add	*581.43*	
		For Embossed Panel Door, Add	*107.34*	
		For Baked Enamel Finish, Add	*159.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.22*	
		For >100, Deduct	*-50.68*	
		For Polystyrene Core, Add	*44.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.91*	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	652.46	85.70
		For Galvanized Steel Door, Add	*96.21*	
		For Type 304 Stainless Steel Door, Add	*384.85*	
		For Type 316 Stainless Steel Door, Add	*625.38*	
		For Embossed Panel Door, Add	*115.45*	
		For Baked Enamel Finish, Add	*170.03*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.91*	
		For >100, Deduct	*-53.22*	
		For Polystyrene Core, Add	*48.11*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.27*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	672.60	89.27
		For Galvanized Steel Door, Add	*98.81*	
		For Type 304 Stainless Steel Door, Add	*395.25*	
		For Type 316 Stainless Steel Door, Add	*642.28*	
		For Embossed Panel Door, Add	*118.57*	
		For Baked Enamel Finish, Add	*175.00*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.09*	
		For >100, Deduct	*-54.91*	
		For Polystyrene Core, Add	*49.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.52*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.76*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	738.89	96.41
		For Galvanized Steel Door, Add	*109.21*	
		For Type 304 Stainless Steel Door, Add	*436.85*	
		For Type 316 Stainless Steel Door, Add	*709.88*	
		For Embossed Panel Door, Add	*131.05*	
		For Baked Enamel Finish, Add	*192.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.77*	
		For >100, Deduct	*-60.24*	
		For Polystyrene Core, Add	*54.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.52*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.26*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	595.12	78.56
		For Galvanized Steel Door, Add	*87.60*	
		For Type 304 Stainless Steel Door, Add	*350.40*	
		For Type 316 Stainless Steel Door, Add	*569.40*	
		For Embossed Panel Door, Add	*105.12*	
		For Baked Enamel Finish, Add	*154.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.68*	
		For >100, Deduct	*-48.56*	
		For Polystyrene Core, Add	*43.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.50*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.75*	
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	595.12	78.56
		For Galvanized Steel Door, Add	*87.60*	
		For Type 304 Stainless Steel Door, Add	*350.40*	
		For Type 316 Stainless Steel Door, Add	*569.40*	
		For Embossed Panel Door, Add	*105.12*	
		For Baked Enamel Finish, Add	*154.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.68*	
		For >100, Deduct	*-48.56*	
		For Polystyrene Core, Add	*43.80*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*109.50*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*54.75*	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	611.21	82.13
		For Galvanized Steel Door, Add	*89.39*	
		For Type 304 Stainless Steel Door, Add	*357.57*	
		For Type 316 Stainless Steel Door, Add	*581.05*	
		For Embossed Panel Door, Add	*107.27*	
		For Baked Enamel Finish, Add	*158.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.67*	
		For >100, Deduct	*-49.95*	
		For Polystyrene Core, Add	*44.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*111.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	617.88	82.13
		For Galvanized Steel Door, Add	*90.73*	
		For Type 304 Stainless Steel Door, Add	*362.90*	
		For Type 316 Stainless Steel Door, Add	*589.72*	
		For Embossed Panel Door, Add	*108.87*	
		For Baked Enamel Finish, Add	*160.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.00*	
		For >100, Deduct	*-50.45*	
		For Polystyrene Core, Add	*45.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.41*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.70*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	624.13	83.91
		For Galvanized Steel Door, Add	*91.26*	
		For Type 304 Stainless Steel Door, Add	*365.04*	
		For Type 316 Stainless Steel Door, Add	*593.19*	
		For Embossed Panel Door, Add	*109.51*	
		For Baked Enamel Finish, Add	*162.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.40*	
		For >100, Deduct	*-51.01*	
		For Polystyrene Core, Add	*45.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.04*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	630.37	85.70
		For Galvanized Steel Door, Add	*91.79*	
		For Type 304 Stainless Steel Door, Add	*367.18*	
		For Type 316 Stainless Steel Door, Add	*596.66*	
		For Embossed Panel Door, Add	*110.15*	
		For Baked Enamel Finish, Add	*163.40*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.80*	
		For >100, Deduct	*-51.56*	
		For Polystyrene Core, Add	*45.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.37*	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	665.06	85.70
		For Galvanized Steel Door, Add	*98.73*	
		For Type 304 Stainless Steel Door, Add	*394.93*	
		For Type 316 Stainless Steel Door, Add	*641.76*	
		For Embossed Panel Door, Add	*118.48*	
		For Baked Enamel Finish, Add	*173.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.54*	
		For >100, Deduct	*-54.16*	
		For Polystyrene Core, Add	*49.37*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.42*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.71*	
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	685.54	89.27
		For Galvanized Steel Door, Add	*101.40*	
		For Type 304 Stainless Steel Door, Add	*405.60*	
		For Type 316 Stainless Steel Door, Add	*659.10*	
		For Embossed Panel Door, Add	*121.68*	
		For Baked Enamel Finish, Add	*178.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.74*	
		For >100, Deduct	*-55.88*	
		For Polystyrene Core, Add	*50.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.75*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	753.20	96.41
		For Galvanized Steel Door, Add	*112.07*	
		For Type 304 Stainless Steel Door, Add	*448.30*	
		For Type 316 Stainless Steel Door, Add	*728.48*	
		For Embossed Panel Door, Add	*134.49*	
		For Baked Enamel Finish, Add	*197.04*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.48*	
		For >100, Deduct	*-61.31*	
		For Polystyrene Core, Add	*56.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*140.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*70.05*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	605.99	78.56
		For Galvanized Steel Door, Add	*89.77*	
		For Type 304 Stainless Steel Door, Add	*359.10*	
		For Type 316 Stainless Steel Door, Add	*583.53*	
		For Embossed Panel Door, Add	*107.73*	
		For Baked Enamel Finish, Add	*158.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.23*	
		For >100, Deduct	*-49.38*	
		For Polystyrene Core, Add	*44.89*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.11*	
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	605.99	78.56
		For Galvanized Steel Door, Add	*89.77*	
		For Type 304 Stainless Steel Door, Add	*359.10*	
		For Type 316 Stainless Steel Door, Add	*583.53*	
		For Embossed Panel Door, Add	*107.73*	
		For Baked Enamel Finish, Add	*158.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.23*	
		For >100, Deduct	*-49.38*	
		For Polystyrene Core, Add	*44.89*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*112.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.11*	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	622.30	82.13
		For Galvanized Steel Door, Add	*91.61*	
		For Type 304 Stainless Steel Door, Add	*366.44*	
		For Type 316 Stainless Steel Door, Add	*595.47*	
		For Embossed Panel Door, Add	*109.93*	
		For Baked Enamel Finish, Add	*162.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.22*	
		For >100, Deduct	*-50.78*	
		For Polystyrene Core, Add	*45.81*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.26*	
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	629.13	82.13
		For Galvanized Steel Door, Add	*92.98*	
		For Type 304 Stainless Steel Door, Add	*371.90*	
		For Type 316 Stainless Steel Door, Add	*604.34*	
		For Embossed Panel Door, Add	*111.57*	
		For Baked Enamel Finish, Add	*164.10*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.56*	
		For >100, Deduct	*-51.29*	
		For Polystyrene Core, Add	*46.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	635.44	83.91
		For Galvanized Steel Door, Add	*93.52*	
		For Type 304 Stainless Steel Door, Add	*374.09*	
		For Type 316 Stainless Steel Door, Add	*607.89*	
		For Embossed Panel Door, Add	*112.23*	
		For Baked Enamel Finish, Add	*165.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.97*	
		For >100, Deduct	*-51.85*	
		For Polystyrene Core, Add	*46.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.90*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.45*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	641.75	85.70
		For Galvanized Steel Door, Add	*94.07*	
		For Type 304 Stainless Steel Door, Add	*376.28*	
		For Type 316 Stainless Steel Door, Add	*611.46*	
		For Embossed Panel Door, Add	*112.88*	
		For Baked Enamel Finish, Add	*166.82*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.37*	
		For >100, Deduct	*-52.42*	
		For Polystyrene Core, Add	*47.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.79*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	677.30	85.70
		For Galvanized Steel Door, Add	*101.18*	
		For Type 304 Stainless Steel Door, Add	*404.72*	
		For Type 316 Stainless Steel Door, Add	*657.67*	
		For Embossed Panel Door, Add	*121.42*	
		For Baked Enamel Finish, Add	*177.48*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.15*	
		For >100, Deduct	*-55.08*	
		For Polystyrene Core, Add	*50.59*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.48*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.24*	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	698.12	89.27
		For Galvanized Steel Door, Add	*103.92*	
		For Type 304 Stainless Steel Door, Add	*415.66*	
		For Type 316 Stainless Steel Door, Add	*675.45*	
		For Embossed Panel Door, Add	*124.70*	
		For Baked Enamel Finish, Add	*182.66*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.37*	
		For >100, Deduct	*-56.82*	
		For Polystyrene Core, Add	*51.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.90*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.95*	
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	767.10	96.41
		For Galvanized Steel Door, Add	*114.85*	
		For Type 304 Stainless Steel Door, Add	*459.42*	
		For Type 316 Stainless Steel Door, Add	*746.55*	
		For Embossed Panel Door, Add	*137.82*	
		For Baked Enamel Finish, Add	*201.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.18*	
		For >100, Deduct	*-62.35*	
		For Polystyrene Core, Add	*57.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.78*	

08 13 13 13-0032 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0033 6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	618.47	78.56
		For Galvanized Steel Door, Add	*92.27*	
		For Type 304 Stainless Steel Door, Add	*369.08*	
		For Type 316 Stainless Steel Door, Add	*599.76*	
		For Embossed Panel Door, Add	*110.72*	
		For Baked Enamel Finish, Add	*161.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.85*	
		For >100, Deduct	*-50.31*	
		For 2" Thick Door, Add	*37.38*	
		For Polystyrene Core, Add	*46.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.67*	
		For Steel Stiffened, Add	*115.34*	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	618.47	78.56
		For Galvanized Steel Door, Add	*92.27*	
		For Type 304 Stainless Steel Door, Add	*369.08*	
		For Type 316 Stainless Steel Door, Add	*599.76*	
		For Embossed Panel Door, Add	*110.72*	
		For Baked Enamel Finish, Add	*161.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.85*	
		For >100, Deduct	*-50.31*	
		For 2" Thick Door, Add	*37.38*	
		For Polystyrene Core, Add	*46.14*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.67*	
		For Steel Stiffened, Add	*115.34*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	635.04	82.13
		For Galvanized Steel Door, Add	*94.16*	
		For Type 304 Stainless Steel Door, Add	*376.63*	
		For Type 316 Stainless Steel Door, Add	*612.03*	
		For Embossed Panel Door, Add	*112.99*	
		For Baked Enamel Finish, Add	*165.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.86*	
		For >100, Deduct	*-51.73*	
		For 2" Thick Door, Add	*38.24*	
		For Polystyrene Core, Add	*47.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.85*	
		For Steel Stiffened, Add	*117.70*	
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	642.06	82.13
		For Galvanized Steel Door, Add	*95.56*	
		For Type 304 Stainless Steel Door, Add	*382.25*	
		For Type 316 Stainless Steel Door, Add	*621.15*	
		For Embossed Panel Door, Add	*114.67*	
		For Baked Enamel Finish, Add	*167.98*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.21*	
		For >100, Deduct	*-52.26*	
		For 2" Thick Door, Add	*38.75*	
		For Polystyrene Core, Add	*47.78*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.73*	
		For Steel Stiffened, Add	*119.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	648.44	83.91
		For Galvanized Steel Door, Add	*96.12*	
		For Type 304 Stainless Steel Door, Add	*384.49*	
		For Type 316 Stainless Steel Door, Add	*624.79*	
		For Embossed Panel Door, Add	*115.35*	
		For Baked Enamel Finish, Add	*169.36*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.62*	
		For >100, Deduct	*-52.83*	
		For 2" Thick Door, Add	*39.04*	
		For Polystyrene Core, Add	*48.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.08*	
		For Steel Stiffened, Add	*120.15*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	654.83	85.70
		For Galvanized Steel Door, Add	*96.69*	
		For Type 304 Stainless Steel Door, Add	*386.74*	
		For Type 316 Stainless Steel Door, Add	*628.46*	
		For Embossed Panel Door, Add	*116.02*	
		For Baked Enamel Finish, Add	*170.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.03*	
		For >100, Deduct	*-53.40*	
		For 2" Thick Door, Add	*39.33*	
		For Polystyrene Core, Add	*48.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.43*	
		For Steel Stiffened, Add	*120.86*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	691.37	85.70
		For Galvanized Steel Door, Add	*103.99*	
		For Type 304 Stainless Steel Door, Add	*415.98*	
		For Type 316 Stainless Steel Door, Add	*675.96*	
		For Embossed Panel Door, Add	*124.79*	
		For Baked Enamel Finish, Add	*181.70*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.85*	
		For >100, Deduct	*-56.14*	
		For 2" Thick Door, Add	*41.98*	
		For Polystyrene Core, Add	*52.00*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*129.99*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.00*	
		For Steel Stiffened, Add	*129.99*	
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	712.57	89.27
		For Galvanized Steel Door, Add	*106.81*	
		For Type 304 Stainless Steel Door, Add	*427.22*	
		For Type 316 Stainless Steel Door, Add	*694.24*	
		For Embossed Panel Door, Add	*128.17*	
		For Baked Enamel Finish, Add	*186.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.09*	
		For >100, Deduct	*-57.91*	
		For 2" Thick Door, Add	*43.18*	
		For Polystyrene Core, Add	*53.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.75*	
		For Steel Stiffened, Add	*133.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	783.07	96.41
		For Galvanized Steel Door, Add	*118.05*	
		For Type 304 Stainless Steel Door, Add	*472.19*	
		For Type 316 Stainless Steel Door, Add	*767.31*	
		For Embossed Panel Door, Add	*141.66*	
		For Baked Enamel Finish, Add	*206.00*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.97*	
		For >100, Deduct	*-63.55*	
		For 2" Thick Door, Add	*47.61*	
		For Polystyrene Core, Add	*59.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*147.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.78*	
		For Steel Stiffened, Add	*147.56*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.42	78.56
		For Galvanized Steel Door, Add	*94.46*	
		For Type 304 Stainless Steel Door, Add	*377.84*	
		For Type 316 Stainless Steel Door, Add	*613.99*	
		For Embossed Panel Door, Add	*113.35*	
		For Baked Enamel Finish, Add	*165.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.40*	
		For >100, Deduct	*-51.13*	
		For 2" Thick Door, Add	*38.17*	
		For Polystyrene Core, Add	*47.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.04*	
		For Steel Stiffened, Add	*118.08*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	629.42	78.56
		For Galvanized Steel Door, Add	*94.46*	
		For Type 304 Stainless Steel Door, Add	*377.84*	
		For Type 316 Stainless Steel Door, Add	*613.99*	
		For Embossed Panel Door, Add	*113.35*	
		For Baked Enamel Finish, Add	*165.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.40*	
		For >100, Deduct	*-51.13*	
		For 2" Thick Door, Add	*38.17*	
		For Polystyrene Core, Add	*47.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.04*	
		For Steel Stiffened, Add	*118.08*	
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	646.21	82.13
		For Galvanized Steel Door, Add	*96.39*	
		For Type 304 Stainless Steel Door, Add	*385.57*	
		For Type 316 Stainless Steel Door, Add	*626.55*	
		For Embossed Panel Door, Add	*115.67*	
		For Baked Enamel Finish, Add	*169.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.42*	
		For >100, Deduct	*-52.57*	
		For 2" Thick Door, Add	*39.05*	
		For Polystyrene Core, Add	*48.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.49*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.25*	
		For Steel Stiffened, Add	*120.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	653.40	82.13
		For Galvanized Steel Door, Add	*97.83*	
		For Type 304 Stainless Steel Door, Add	*391.32*	
		For Type 316 Stainless Steel Door, Add	*635.90*	
		For Embossed Panel Door, Add	*117.40*	
		For Baked Enamel Finish, Add	*171.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.78*	
		For >100, Deduct	*-53.11*	
		For 2" Thick Door, Add	*39.57*	
		For Polystyrene Core, Add	*48.92*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.29*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.14*	
		For Steel Stiffened, Add	*122.29*	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	659.86	83.91
		For Galvanized Steel Door, Add	*98.41*	
		For Type 304 Stainless Steel Door, Add	*393.62*	
		For Type 316 Stainless Steel Door, Add	*639.64*	
		For Embossed Panel Door, Add	*118.09*	
		For Baked Enamel Finish, Add	*172.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.19*	
		For >100, Deduct	*-53.69*	
		For 2" Thick Door, Add	*39.87*	
		For Polystyrene Core, Add	*49.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.01*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.50*	
		For Steel Stiffened, Add	*123.01*	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	666.31	85.70
		For Galvanized Steel Door, Add	*98.98*	
		For Type 304 Stainless Steel Door, Add	*395.93*	
		For Type 316 Stainless Steel Door, Add	*643.38*	
		For Embossed Panel Door, Add	*118.78*	
		For Baked Enamel Finish, Add	*174.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.60*	
		For >100, Deduct	*-54.26*	
		For 2" Thick Door, Add	*40.17*	
		For Polystyrene Core, Add	*49.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.73*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.86*	
		For Steel Stiffened, Add	*123.73*	
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	703.71	85.70
		For Galvanized Steel Door, Add	*106.46*	
		For Type 304 Stainless Steel Door, Add	*425.85*	
		For Type 316 Stainless Steel Door, Add	*692.00*	
		For Embossed Panel Door, Add	*127.75*	
		For Baked Enamel Finish, Add	*185.40*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.47*	
		For >100, Deduct	*-57.06*	
		For 2" Thick Door, Add	*42.88*	
		For Polystyrene Core, Add	*53.23*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*133.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*66.54*	
		For Steel Stiffened, Add	*133.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	725.24	89.27
		For Galvanized Steel Door, Add	*109.34*	
		For Type 304 Stainless Steel Door, Add	*437.36*	
		For Type 316 Stainless Steel Door, Add	*710.71*	
		For Embossed Panel Door, Add	*131.21*	
		For Baked Enamel Finish, Add	*190.79*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.73*	
		For >100, Deduct	*-58.86*	
		For 2" Thick Door, Add	*44.10*	
		For Polystyrene Core, Add	*54.67*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.68*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.34*	
		For Steel Stiffened, Add	*136.68*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	797.08	96.41
		For Galvanized Steel Door, Add	*120.85*	
		For Type 304 Stainless Steel Door, Add	*483.40*	
		For Type 316 Stainless Steel Door, Add	*785.53*	
		For Embossed Panel Door, Add	*145.02*	
		For Baked Enamel Finish, Add	*210.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.67*	
		For >100, Deduct	*-64.60*	
		For 2" Thick Door, Add	*48.63*	
		For Polystyrene Core, Add	*60.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*151.06*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*75.53*	
		For Steel Stiffened, Add	*151.06*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.37	78.56
		For Galvanized Steel Door, Add	*96.65*	
		For Type 304 Stainless Steel Door, Add	*386.60*	
		For Type 316 Stainless Steel Door, Add	*628.23*	
		For Embossed Panel Door, Add	*115.98*	
		For Baked Enamel Finish, Add	*168.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.95*	
		For >100, Deduct	*-51.96*	
		For 2" Thick Door, Add	*38.96*	
		For Polystyrene Core, Add	*48.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.41*	
		For Steel Stiffened, Add	*120.81*	
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	640.37	78.56
		For Galvanized Steel Door, Add	*96.65*	
		For Type 304 Stainless Steel Door, Add	*386.60*	
		For Type 316 Stainless Steel Door, Add	*628.23*	
		For Embossed Panel Door, Add	*115.98*	
		For Baked Enamel Finish, Add	*168.54*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.95*	
		For >100, Deduct	*-51.96*	
		For 2" Thick Door, Add	*38.96*	
		For Polystyrene Core, Add	*48.33*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.41*	
		For Steel Stiffened, Add	*120.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	657.38	82.13
		For Galvanized Steel Door, Add	*98.63*	
		For Type 304 Stainless Steel Door, Add	*394.50*	
		For Type 316 Stainless Steel Door, Add	*641.07*	
		For Embossed Panel Door, Add	*118.35*	
		For Baked Enamel Finish, Add	*172.58*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.98*	
		For >100, Deduct	*-53.41*	
		For 2" Thick Door, Add	*39.86*	
		For Polystyrene Core, Add	*49.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*123.28*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.64*	
		For Steel Stiffened, Add	*123.28*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	664.74	82.13
		For Galvanized Steel Door, Add	*100.10*	
		For Type 304 Stainless Steel Door, Add	*400.39*	
		For Type 316 Stainless Steel Door, Add	*650.64*	
		For Embossed Panel Door, Add	*120.12*	
		For Baked Enamel Finish, Add	*174.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.34*	
		For >100, Deduct	*-53.96*	
		For 2" Thick Door, Add	*40.39*	
		For Polystyrene Core, Add	*50.05*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.12*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.56*	
		For Steel Stiffened, Add	*125.12*	
08 13 13 13-0058	EA	2'-10" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	671.27	83.91
		For Galvanized Steel Door, Add	*100.69*	
		For Type 304 Stainless Steel Door, Add	*402.75*	
		For Type 316 Stainless Steel Door, Add	*654.47*	
		For Embossed Panel Door, Add	*120.83*	
		For Baked Enamel Finish, Add	*176.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.76*	
		For >100, Deduct	*-54.54*	
		For 2" Thick Door, Add	*40.70*	
		For Polystyrene Core, Add	*50.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.93*	
		For Steel Stiffened, Add	*125.86*	
08 13 13 13-0059	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	677.78	85.70
		For Galvanized Steel Door, Add	*101.28*	
		For Type 304 Stainless Steel Door, Add	*405.10*	
		For Type 316 Stainless Steel Door, Add	*658.29*	
		For Embossed Panel Door, Add	*121.53*	
		For Baked Enamel Finish, Add	*177.62*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.17*	
		For >100, Deduct	*-55.12*	
		For 2" Thick Door, Add	*41.00*	
		For Polystyrene Core, Add	*50.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*126.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.30*	
		For Steel Stiffened, Add	*126.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0060	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	716.05	85.70
		For Galvanized Steel Door, Add	*108.93*	
		For Type 304 Stainless Steel Door, Add	*435.72*	
		For Type 316 Stainless Steel Door, Add	*708.05*	
		For Embossed Panel Door, Add	*130.72*	
		For Baked Enamel Finish, Add	*189.11*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.09*	
		For >100, Deduct	*-57.99*	
		For 2" Thick Door, Add	*43.77*	
		For Polystyrene Core, Add	*54.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*136.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*68.08*	
		For Steel Stiffened, Add	*136.16*	
08 13 13 13-0061	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	737.91	89.27
		For Galvanized Steel Door, Add	*111.87*	
		For Type 304 Stainless Steel Door, Add	*447.50*	
		For Type 316 Stainless Steel Door, Add	*727.18*	
		For Embossed Panel Door, Add	*134.25*	
		For Baked Enamel Finish, Add	*194.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.36*	
		For >100, Deduct	*-59.81*	
		For 2" Thick Door, Add	*45.02*	
		For Polystyrene Core, Add	*55.94*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*139.84*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.92*	
		For Steel Stiffened, Add	*139.84*	
08 13 13 13-0062	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.09	96.41
		For Galvanized Steel Door, Add	*123.65*	
		For Type 304 Stainless Steel Door, Add	*494.61*	
		For Type 316 Stainless Steel Door, Add	*803.74*	
		For Embossed Panel Door, Add	*148.38*	
		For Baked Enamel Finish, Add	*214.40*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.38*	
		For >100, Deduct	*-65.65*	
		For 2" Thick Door, Add	*49.64*	
		For Polystyrene Core, Add	*61.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*154.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.28*	
		For Steel Stiffened, Add	*154.57*	

08 13 13 13-0063 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0064	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	730.69	78.56
		For Up To 1' Extra Height, Add	*158.71*	
		For 1' To 1'-6" Extra Height, Add	*302.79*	
		For Galvanized Steel Door, Add	*114.71*	
		For Type 304 Stainless Steel Door, Add	*458.86*	
		For Type 316 Stainless Steel Door, Add	*745.64*	
		For Embossed Panel Door, Add	*137.66*	
		For Baked Enamel Finish, Add	*195.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.46*	
		For >100, Deduct	*-58.73*	
		For 2" Thick Door, Add	*45.51*	
		For Polystyrene Core, Add	*57.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.39*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.70*	
		For Steel Stiffened, Add	*143.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0065	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	730.69	78.56
		For Up To 1' Extra Height, Add	*158.71*	
		For 1' To 1'-6" Extra Height, Add	*302.79*	
		For Galvanized Steel Door, Add	*114.71*	
		For Type 304 Stainless Steel Door, Add	*458.86*	
		For Type 316 Stainless Steel Door, Add	*745.64*	
		For Embossed Panel Door, Add	*137.66*	
		For Baked Enamel Finish, Add	*195.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.46*	
		For >100, Deduct	*-58.73*	
		For 2" Thick Door, Add	*45.51*	
		For Polystyrene Core, Add	*57.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*143.39*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.70*	
		For Steel Stiffened, Add	*143.39*	
08 13 13 13-0066	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	749.55	82.13
		For Up To 1' Extra Height, Add	*161.95*	
		For 1' To 1'-6" Extra Height, Add	*308.98*	
		For Galvanized Steel Door, Add	*117.06*	
		For Type 304 Stainless Steel Door, Add	*468.24*	
		For Type 316 Stainless Steel Door, Add	*760.89*	
		For Embossed Panel Door, Add	*140.47*	
		For Baked Enamel Finish, Add	*200.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.58*	
		For >100, Deduct	*-60.32*	
		For 2" Thick Door, Add	*46.54*	
		For Polystyrene Core, Add	*58.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*146.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*73.16*	
		For Steel Stiffened, Add	*146.33*	
08 13 13 13-0067	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	758.28	82.13
		For Up To 1' Extra Height, Add	*164.37*	
		For 1' To 1'-6" Extra Height, Add	*313.59*	
		For Galvanized Steel Door, Add	*118.81*	
		For Type 304 Stainless Steel Door, Add	*475.22*	
		For Type 316 Stainless Steel Door, Add	*772.24*	
		For Embossed Panel Door, Add	*142.57*	
		For Baked Enamel Finish, Add	*202.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.02*	
		For >100, Deduct	*-60.98*	
		For 2" Thick Door, Add	*47.17*	
		For Polystyrene Core, Add	*59.40*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*148.51*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.25*	
		For Steel Stiffened, Add	*148.51*	
08 13 13 13-0068	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	765.35	83.91
		For Up To 1' Extra Height, Add	*165.33*	
		For 1' To 1'-6" Extra Height, Add	*315.43*	
		For Galvanized Steel Door, Add	*119.50*	
		For Type 304 Stainless Steel Door, Add	*478.02*	
		For Type 316 Stainless Steel Door, Add	*776.78*	
		For Embossed Panel Door, Add	*143.40*	
		For Baked Enamel Finish, Add	*204.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.46*	
		For >100, Deduct	*-61.60*	
		For 2" Thick Door, Add	*47.52*	
		For Polystyrene Core, Add	*59.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.38*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.69*	
		For Steel Stiffened, Add	*149.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0069	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	772.42	85.70
		For Up To 1' Extra Height, Add	*166.30*	
		For 1' To 1'-6" Extra Height, Add	*317.28*	
		For Galvanized Steel Door, Add	*120.20*	
		For Type 304 Stainless Steel Door, Add	*480.82*	
		For Type 316 Stainless Steel Door, Add	*781.33*	
		For Embossed Panel Door, Add	*144.24*	
		For Baked Enamel Finish, Add	*206.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.91*	
		For >100, Deduct	*-62.22*	
		For 2" Thick Door, Add	*47.86*	
		For Polystyrene Core, Add	*60.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*150.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*75.13*	
		For Steel Stiffened, Add	*150.26*	
08 13 13 13-0070	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	817.85	85.70
		For Up To 1' Extra Height, Add	*178.87*	
		For 1' To 1'-6" Extra Height, Add	*341.26*	
		For Galvanized Steel Door, Add	*129.29*	
		For Type 304 Stainless Steel Door, Add	*517.16*	
		For Type 316 Stainless Steel Door, Add	*840.39*	
		For Embossed Panel Door, Add	*155.15*	
		For Baked Enamel Finish, Add	*219.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.18*	
		For >100, Deduct	*-65.62*	
		For 2" Thick Door, Add	*51.15*	
		For Polystyrene Core, Add	*64.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*161.61*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*80.81*	
		For Steel Stiffened, Add	*161.61*	
08 13 13 13-0071	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	842.46	89.27
		For Up To 1' Extra Height, Add	*183.71*	
		For 1' To 1'-6" Extra Height, Add	*350.48*	
		For Galvanized Steel Door, Add	*132.78*	
		For Type 304 Stainless Steel Door, Add	*531.14*	
		For Type 316 Stainless Steel Door, Add	*863.10*	
		For Embossed Panel Door, Add	*159.34*	
		For Baked Enamel Finish, Add	*225.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.59*	
		For >100, Deduct	*-67.65*	
		For 2" Thick Door, Add	*52.60*	
		For Polystyrene Core, Add	*66.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.98*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*82.99*	
		For Steel Stiffened, Add	*165.98*	
08 13 13 13-0072	EA	4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	926.63	96.41
		For Up To 1' Extra Height, Add	*203.04*	
		For 1' To 1'-6" Extra Height, Add	*387.37*	
		For Galvanized Steel Door, Add	*146.76*	
		For Type 304 Stainless Steel Door, Add	*587.04*	
		For Type 316 Stainless Steel Door, Add	*953.94*	
		For Embossed Panel Door, Add	*176.11*	
		For Baked Enamel Finish, Add	*249.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.15*	
		For >100, Deduct	*-74.32*	
		For 2" Thick Door, Add	*58.02*	
		For Polystyrene Core, Add	*73.38*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*183.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.73*	
		For Steel Stiffened, Add	*183.45*	

08 13 13 13-0073 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0074 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0075	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	796.09	78.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.59*	
		For Galvanized Steel Door, Add	*127.79*	
		For Type 304 Stainless Steel Door, Add	*511.18*	
		For Type 316 Stainless Steel Door, Add	*830.66*	
		For Embossed Panel Door, Add	*153.35*	
		For Baked Enamel Finish, Add	*215.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.73*	
		For >100, Deduct	*-63.63*	
		For 2" Thick Door, Add	*50.25*	
		For Polystyrene Core, Add	*63.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*79.87*	
		For Steel Stiffened, Add	*159.74*	
08 13 13 13-0076	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	796.09	78.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*255.59*	
		For Galvanized Steel Door, Add	*127.79*	
		For Type 304 Stainless Steel Door, Add	*511.18*	
		For Type 316 Stainless Steel Door, Add	*830.66*	
		For Embossed Panel Door, Add	*153.35*	
		For Baked Enamel Finish, Add	*215.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.73*	
		For >100, Deduct	*-63.63*	
		For 2" Thick Door, Add	*50.25*	
		For Polystyrene Core, Add	*63.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*159.74*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*79.87*	
		For Steel Stiffened, Add	*159.74*	
08 13 13 13-0077	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	816.29	82.13
		For 14 Gauge, Level 4 Maximum Duty, Add	*260.82*	
		For Galvanized Steel Door, Add	*130.41*	
		For Type 304 Stainless Steel Door, Add	*521.63*	
		For Type 316 Stainless Steel Door, Add	*847.65*	
		For Embossed Panel Door, Add	*156.49*	
		For Baked Enamel Finish, Add	*220.25*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.92*	
		For >100, Deduct	*-65.33*	
		For 2" Thick Door, Add	*51.38*	
		For Polystyrene Core, Add	*65.20*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.01*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.51*	
		For Steel Stiffened, Add	*163.01*	
08 13 13 13-0078	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.02	82.13
		For 14 Gauge, Level 4 Maximum Duty, Add	*264.71*	
		For Galvanized Steel Door, Add	*132.35*	
		For Type 304 Stainless Steel Door, Add	*529.42*	
		For Type 316 Stainless Steel Door, Add	*860.30*	
		For Embossed Panel Door, Add	*158.82*	
		For Baked Enamel Finish, Add	*223.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.41*	
		For >100, Deduct	*-66.06*	
		For 2" Thick Door, Add	*52.08*	
		For Polystyrene Core, Add	*66.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*165.44*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*82.72*	
		For Steel Stiffened, Add	*165.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0079	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	833.51	83.91
		For 14 Gauge, Level 4 Maximum Duty, Add	*266.27*	
		For Galvanized Steel Door, Add	*133.14*	
		For Type 304 Stainless Steel Door, Add	*532.54*	
		For Type 316 Stainless Steel Door, Add	*865.38*	
		For Embossed Panel Door, Add	*159.76*	
		For Baked Enamel Finish, Add	*224.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.87*	
		For >100, Deduct	*-66.71*	
		For 2" Thick Door, Add	*52.46*	
		For Polystyrene Core, Add	*66.57*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.42*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.21*	
		For Steel Stiffened, Add	*166.42*	
08 13 13 13-0080	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	840.96	85.70
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.82*	
		For Galvanized Steel Door, Add	*133.91*	
		For Type 304 Stainless Steel Door, Add	*535.65*	
		For Type 316 Stainless Steel Door, Add	*870.43*	
		For Embossed Panel Door, Add	*160.69*	
		For Baked Enamel Finish, Add	*226.58*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.33*	
		For >100, Deduct	*-67.36*	
		For 2" Thick Door, Add	*52.83*	
		For Polystyrene Core, Add	*66.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.39*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.70*	
		For Steel Stiffened, Add	*167.39*	
08 13 13 13-0081	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	891.56	85.70
		For 14 Gauge, Level 4 Maximum Duty, Add	*288.06*	
		For Galvanized Steel Door, Add	*144.03*	
		For Type 304 Stainless Steel Door, Add	*576.13*	
		For Type 316 Stainless Steel Door, Add	*936.21*	
		For Embossed Panel Door, Add	*172.84*	
		For Baked Enamel Finish, Add	*241.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.86*	
		For >100, Deduct	*-71.15*	
		For 2" Thick Door, Add	*56.50*	
		For Polystyrene Core, Add	*72.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.04*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.02*	
		For Steel Stiffened, Add	*180.04*	
08 13 13 13-0082	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	918.17	89.27
		For 14 Gauge, Level 4 Maximum Duty, Add	*295.85*	
		For Galvanized Steel Door, Add	*147.93*	
		For Type 304 Stainless Steel Door, Add	*591.70*	
		For Type 316 Stainless Steel Door, Add	*961.52*	
		For Embossed Panel Door, Add	*177.51*	
		For Baked Enamel Finish, Add	*248.67*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.37*	
		For >100, Deduct	*-73.33*	
		For 2" Thick Door, Add	*58.09*	
		For Polystyrene Core, Add	*73.96*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.91*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*92.45*	
		For Steel Stiffened, Add	*184.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0083	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,010.31	96.41
		For 14 Gauge, Level 4 Maximum Duty, Add	*326.99*	
		For Galvanized Steel Door, Add	*163.50*	
		For Type 304 Stainless Steel Door, Add	*653.98*	
		For Type 316 Stainless Steel Door, Add	*1,062.72*	
		For Embossed Panel Door, Add	*196.20*	
		For Baked Enamel Finish, Add	*274.17*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-55.34*	
		For >100, Deduct	*-80.59*	
		For 2" Thick Door, Add	*64.09*	
		For Polystyrene Core, Add	*81.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*204.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*102.19*	
		For Steel Stiffened, Add	*204.37*	
08 13 13 13-0084		7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*		
08 13 13 13-0085	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.26	78.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.66*	
		For Galvanized Steel Door, Add	*130.83*	
		For Type 304 Stainless Steel Door, Add	*523.31*	
		For Type 316 Stainless Steel Door, Add	*850.38*	
		For Embossed Panel Door, Add	*156.99*	
		For Baked Enamel Finish, Add	*219.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.49*	
		For >100, Deduct	*-64.77*	
		For 2" Thick Door, Add	*51.35*	
		For Polystyrene Core, Add	*65.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.77*	
		For Steel Stiffened, Add	*163.54*	
08 13 13 13-0086	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.26	78.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*261.66*	
		For Galvanized Steel Door, Add	*130.83*	
		For Type 304 Stainless Steel Door, Add	*523.31*	
		For Type 316 Stainless Steel Door, Add	*850.38*	
		For Embossed Panel Door, Add	*156.99*	
		For Baked Enamel Finish, Add	*219.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.49*	
		For >100, Deduct	*-64.77*	
		For 2" Thick Door, Add	*51.35*	
		For Polystyrene Core, Add	*65.41*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*163.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*81.77*	
		For Steel Stiffened, Add	*163.54*	
08 13 13 13-0087	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	831.76	82.13
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.00*	
		For Galvanized Steel Door, Add	*133.50*	
		For Type 304 Stainless Steel Door, Add	*534.01*	
		For Type 316 Stainless Steel Door, Add	*867.76*	
		For Embossed Panel Door, Add	*160.20*	
		For Baked Enamel Finish, Add	*224.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.69*	
		For >100, Deduct	*-66.49*	
		For 2" Thick Door, Add	*52.50*	
		For Polystyrene Core, Add	*66.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.44*	
		For Steel Stiffened, Add	*166.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0088	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	841.73	82.13
		For 14 Gauge, Level 4 Maximum Duty, Add	*270.99*	
		For Galvanized Steel Door, Add	*135.50*	
		For Type 304 Stainless Steel Door, Add	*541.98*	
		For Type 316 Stainless Steel Door, Add	*880.72*	
		For Embossed Panel Door, Add	*162.60*	
		For Baked Enamel Finish, Add	*227.88*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.19*	
		For >100, Deduct	*-67.24*	
		For 2" Thick Door, Add	*53.22*	
		For Polystyrene Core, Add	*67.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*169.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*84.69*	
		For Steel Stiffened, Add	*169.37*	
08 13 13 13-0089	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	849.29	83.91
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.58*	
		For Galvanized Steel Door, Add	*136.29*	
		For Type 304 Stainless Steel Door, Add	*545.17*	
		For Type 316 Stainless Steel Door, Add	*885.90*	
		For Embossed Panel Door, Add	*163.55*	
		For Baked Enamel Finish, Add	*229.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.66*	
		For >100, Deduct	*-67.89*	
		For 2" Thick Door, Add	*53.60*	
		For Polystyrene Core, Add	*68.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.18*	
		For Steel Stiffened, Add	*170.37*	
08 13 13 13-0090	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	856.84	85.70
		For 14 Gauge, Level 4 Maximum Duty, Add	*274.18*	
		For Galvanized Steel Door, Add	*137.09*	
		For Type 304 Stainless Steel Door, Add	*548.35*	
		For Type 316 Stainless Steel Door, Add	*891.07*	
		For Embossed Panel Door, Add	*164.51*	
		For Baked Enamel Finish, Add	*231.34*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.13*	
		For >100, Deduct	*-68.55*	
		For 2" Thick Door, Add	*53.98*	
		For Polystyrene Core, Add	*68.54*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*171.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.68*	
		For Steel Stiffened, Add	*171.36*	
08 13 13 13-0091	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	908.65	85.70
		For 14 Gauge, Level 4 Maximum Duty, Add	*294.90*	
		For Galvanized Steel Door, Add	*147.45*	
		For Type 304 Stainless Steel Door, Add	*589.80*	
		For Type 316 Stainless Steel Door, Add	*958.43*	
		For Embossed Panel Door, Add	*176.94*	
		For Baked Enamel Finish, Add	*246.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.72*	
		For >100, Deduct	*-72.43*	
		For 2" Thick Door, Add	*57.74*	
		For Polystyrene Core, Add	*73.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*184.31*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*92.16*	
		For Steel Stiffened, Add	*184.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0092	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	935.72	89.27
		For 14 Gauge, Level 4 Maximum Duty, Add	*302.87*	
		For Galvanized Steel Door, Add	*151.44*	
		For Type 304 Stainless Steel Door, Add	*605.74*	
		For Type 316 Stainless Steel Door, Add	*984.33*	
		For Embossed Panel Door, Add	*181.72*	
		For Baked Enamel Finish, Add	*253.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.25*	
		For >100, Deduct	*-74.64*	
		For 2" Thick Door, Add	*59.36*	
		For Polystyrene Core, Add	*75.72*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*189.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*94.65*	
		For Steel Stiffened, Add	*189.30*	
08 13 13 13-0093	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,029.71	96.41
		For 14 Gauge, Level 4 Maximum Duty, Add	*334.75*	
		For Galvanized Steel Door, Add	*167.38*	
		For Type 304 Stainless Steel Door, Add	*669.50*	
		For Type 316 Stainless Steel Door, Add	*1,087.94*	
		For Embossed Panel Door, Add	*200.85*	
		For Baked Enamel Finish, Add	*279.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.31*	
		For >100, Deduct	*-82.05*	
		For 2" Thick Door, Add	*65.49*	
		For Polystyrene Core, Add	*83.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*209.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*104.61*	
		For Steel Stiffened, Add	*209.22*	

08 13 13 13-0094 7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0095	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.42	78.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.72*	
		For Galvanized Steel Door, Add	*133.86*	
		For Type 304 Stainless Steel Door, Add	*535.44*	
		For Type 316 Stainless Steel Door, Add	*870.09*	
		For Embossed Panel Door, Add	*160.63*	
		For Baked Enamel Finish, Add	*224.36*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.25*	
		For >100, Deduct	*-65.91*	
		For 2" Thick Door, Add	*52.45*	
		For Polystyrene Core, Add	*66.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.66*	
		For Steel Stiffened, Add	*167.33*	
08 13 13 13-0096	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	826.42	78.56
		For 14 Gauge, Level 4 Maximum Duty, Add	*267.72*	
		For Galvanized Steel Door, Add	*133.86*	
		For Type 304 Stainless Steel Door, Add	*535.44*	
		For Type 316 Stainless Steel Door, Add	*870.09*	
		For Embossed Panel Door, Add	*160.63*	
		For Baked Enamel Finish, Add	*224.36*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.25*	
		For >100, Deduct	*-65.91*	
		For 2" Thick Door, Add	*52.45*	
		For Polystyrene Core, Add	*66.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*167.33*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.66*	
		For Steel Stiffened, Add	*167.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0097	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	847.24	82.13
		For 14 Gauge, Level 4 Maximum Duty, Add	*273.20*	
		For Galvanized Steel Door, Add	*136.60*	
		For Type 304 Stainless Steel Door, Add	*546.39*	
		For Type 316 Stainless Steel Door, Add	*887.89*	
		For Embossed Panel Door, Add	*163.92*	
		For Baked Enamel Finish, Add	*229.53*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.47*	
		For >100, Deduct	*-67.65*	
		For 2" Thick Door, Add	*53.62*	
		For Polystyrene Core, Add	*68.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.75*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.37*	
		For Steel Stiffened, Add	*170.75*	
08 13 13 13-0098	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	857.43	82.13
		For 14 Gauge, Level 4 Maximum Duty, Add	*277.27*	
		For Galvanized Steel Door, Add	*138.64*	
		For Type 304 Stainless Steel Door, Add	*554.54*	
		For Type 316 Stainless Steel Door, Add	*901.13*	
		For Embossed Panel Door, Add	*166.36*	
		For Baked Enamel Finish, Add	*232.59*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.98*	
		For >100, Deduct	*-68.41*	
		For 2" Thick Door, Add	*54.36*	
		For Polystyrene Core, Add	*69.32*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.65*	
		For Steel Stiffened, Add	*173.30*	
08 13 13 13-0099	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	865.10	83.91
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.91*	
		For Galvanized Steel Door, Add	*139.45*	
		For Type 304 Stainless Steel Door, Add	*557.82*	
		For Type 316 Stainless Steel Door, Add	*906.45*	
		For Embossed Panel Door, Add	*167.34*	
		For Baked Enamel Finish, Add	*234.36*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.45*	
		For >100, Deduct	*-69.08*	
		For 2" Thick Door, Add	*54.75*	
		For Polystyrene Core, Add	*69.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.16*	
		For Steel Stiffened, Add	*174.32*	
08 13 13 13-0100	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	872.74	85.70
		For 14 Gauge, Level 4 Maximum Duty, Add	*280.54*	
		For Galvanized Steel Door, Add	*140.27*	
		For Type 304 Stainless Steel Door, Add	*561.07*	
		For Type 316 Stainless Steel Door, Add	*911.74*	
		For Embossed Panel Door, Add	*168.32*	
		For Baked Enamel Finish, Add	*236.11*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.92*	
		For >100, Deduct	*-69.74*	
		For 2" Thick Door, Add	*55.13*	
		For Polystyrene Core, Add	*70.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*175.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.67*	
		For Steel Stiffened, Add	*175.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0101	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	925.75	85.70
		For 14 Gauge, Level 4 Maximum Duty, Add	*301.74*	
		For Galvanized Steel Door, Add	*150.87*	
		For Type 304 Stainless Steel Door, Add	*603.48*	
		For Type 316 Stainless Steel Door, Add	*980.66*	
		For Embossed Panel Door, Add	*181.04*	
		For Baked Enamel Finish, Add	*252.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.57*	
		For >100, Deduct	*-73.72*	
		For 2" Thick Door, Add	*58.98*	
		For Polystyrene Core, Add	*75.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*188.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*94.29*	
		For Steel Stiffened, Add	*188.59*	
08 13 13 13-0102	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	953.27	89.27
		For 14 Gauge, Level 4 Maximum Duty, Add	*309.89*	
		For Galvanized Steel Door, Add	*154.95*	
		For Type 304 Stainless Steel Door, Add	*619.78*	
		For Type 316 Stainless Steel Door, Add	*1,007.15*	
		For Embossed Panel Door, Add	*185.94*	
		For Baked Enamel Finish, Add	*259.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.13*	
		For >100, Deduct	*-75.96*	
		For 2" Thick Door, Add	*60.63*	
		For Polystyrene Core, Add	*77.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*193.68*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*96.84*	
		For Steel Stiffened, Add	*193.68*	
08 13 13 13-0103	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,049.11	96.41
		For 14 Gauge, Level 4 Maximum Duty, Add	*342.51*	
		For Galvanized Steel Door, Add	*171.26*	
		For Type 304 Stainless Steel Door, Add	*685.02*	
		For Type 316 Stainless Steel Door, Add	*1,113.16*	
		For Embossed Panel Door, Add	*205.51*	
		For Baked Enamel Finish, Add	*285.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.28*	
		For >100, Deduct	*-83.50*	
		For 2" Thick Door, Add	*66.90*	
		For Polystyrene Core, Add	*85.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*214.07*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*107.04*	
		For Steel Stiffened, Add	*214.07*	

08 13 13 13-0104 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0073)*

08 13 13 13-0105	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	951.51	78.56
		For Up To 1' Extra Height, Add	*219.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.76*	
		For Galvanized Steel Door, Add	*158.88*	
		For Type 304 Stainless Steel Door, Add	*635.51*	
		For Type 316 Stainless Steel Door, Add	*1,032.71*	
		For Embossed Panel Door, Add	*190.65*	
		For Baked Enamel Finish, Add	*261.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.50*	
		For >100, Deduct	*-75.29*	
		For 2" Thick Door, Add	*61.52*	
		For Polystyrene Core, Add	*79.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*99.30*	
		For Steel Stiffened, Add	*198.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0106	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	951.51	78.56
		For Up To 1' Extra Height, Add	*219.81*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*317.76*	
		For Galvanized Steel Door, Add	*158.88*	
		For Type 304 Stainless Steel Door, Add	*635.51*	
		For Type 316 Stainless Steel Door, Add	*1,032.71*	
		For Embossed Panel Door, Add	*190.65*	
		For Baked Enamel Finish, Add	*261.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.50*	
		For >100, Deduct	*-75.29*	
		For 2" Thick Door, Add	*61.52*	
		For Polystyrene Core, Add	*79.44*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*198.60*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*99.30*	
		For Steel Stiffened, Add	*198.60*	
08 13 13 13-0107	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	974.89	82.13
		For Up To 1' Extra Height, Add	*224.30*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*324.26*	
		For Galvanized Steel Door, Add	*162.13*	
		For Type 304 Stainless Steel Door, Add	*648.51*	
		For Type 316 Stainless Steel Door, Add	*1,053.83*	
		For Embossed Panel Door, Add	*194.55*	
		For Baked Enamel Finish, Add	*267.83*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.85*	
		For >100, Deduct	*-77.22*	
		For 2" Thick Door, Add	*62.88*	
		For Polystyrene Core, Add	*81.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*202.66*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*101.33*	
		For Steel Stiffened, Add	*202.66*	
08 13 13 13-0108	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	986.99	82.13
		For Up To 1' Extra Height, Add	*227.65*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*329.10*	
		For Galvanized Steel Door, Add	*164.55*	
		For Type 304 Stainless Steel Door, Add	*658.19*	
		For Type 316 Stainless Steel Door, Add	*1,069.56*	
		For Embossed Panel Door, Add	*197.46*	
		For Baked Enamel Finish, Add	*271.46*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.46*	
		For >100, Deduct	*-78.13*	
		For 2" Thick Door, Add	*63.75*	
		For Polystyrene Core, Add	*82.27*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*205.69*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*102.84*	
		For Steel Stiffened, Add	*205.69*	
08 13 13 13-0109	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	995.40	83.91
		For Up To 1' Extra Height, Add	*228.99*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*331.03*	
		For Galvanized Steel Door, Add	*165.51*	
		For Type 304 Stainless Steel Door, Add	*662.06*	
		For Type 316 Stainless Steel Door, Add	*1,075.84*	
		For Embossed Panel Door, Add	*198.62*	
		For Baked Enamel Finish, Add	*273.45*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.97*	
		For >100, Deduct	*-78.85*	
		For 2" Thick Door, Add	*64.19*	
		For Polystyrene Core, Add	*82.76*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.45*	
		For Steel Stiffened, Add	*206.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0110	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,003.81	85.70
		For Up To 1' Extra Height, Add	*230.33*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*332.96*	
		For Galvanized Steel Door, Add	*166.48*	
		For Type 304 Stainless Steel Door, Add	*665.93*	
		For Type 316 Stainless Steel Door, Add	*1,082.13*	
		For Embossed Panel Door, Add	*199.78*	
		For Baked Enamel Finish, Add	*275.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.48*	
		For >100, Deduct	*-79.57*	
		For 2" Thick Door, Add	*64.63*	
		For Polystyrene Core, Add	*83.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*208.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*104.05*	
		For Steel Stiffened, Add	*208.10*	
08 13 13 13-0111	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,066.73	85.70
		For Up To 1' Extra Height, Add	*247.74*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*358.13*	
		For Galvanized Steel Door, Add	*179.07*	
		For Type 304 Stainless Steel Door, Add	*716.26*	
		For Type 316 Stainless Steel Door, Add	*1,163.93*	
		For Embossed Panel Door, Add	*214.88*	
		For Baked Enamel Finish, Add	*294.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.62*	
		For >100, Deduct	*-84.29*	
		For 2" Thick Door, Add	*69.20*	
		For Polystyrene Core, Add	*89.53*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*223.83*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*111.92*	
		For Steel Stiffened, Add	*223.83*	
08 13 13 13-0112	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,098.07	89.27
		For Up To 1' Extra Height, Add	*254.43*	
		For 1' To 1'-6" Extra Height, Add	*485.42*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*367.81*	
		For Galvanized Steel Door, Add	*183.91*	
		For Type 304 Stainless Steel Door, Add	*735.62*	
		For Type 316 Stainless Steel Door, Add	*1,195.39*	
		For Embossed Panel Door, Add	*220.69*	
		For Baked Enamel Finish, Add	*302.64*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-59.37*	
		For >100, Deduct	*-86.82*	
		For 2" Thick Door, Add	*71.13*	
		For Polystyrene Core, Add	*91.95*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*229.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*114.94*	
		For Steel Stiffened, Add	*229.88*	
08 13 13 13-0113	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,209.15	96.41
		For Up To 1' Extra Height, Add	*281.22*	
		For 1' To 1'-6" Extra Height, Add	*536.52*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*406.53*	
		For Galvanized Steel Door, Add	*203.26*	
		For Type 304 Stainless Steel Door, Add	*813.06*	
		For Type 316 Stainless Steel Door, Add	*1,321.22*	
		For Embossed Panel Door, Add	*243.92*	
		For Baked Enamel Finish, Add	*333.82*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-65.28*	
		For >100, Deduct	*-95.51*	
		For 2" Thick Door, Add	*78.50*	
		For Polystyrene Core, Add	*101.63*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*254.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*127.04*	
		For Steel Stiffened, Add	*254.08*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,773.25	178.54
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,864.03	214.25
		For 16 Gauge Door, Add	*20.30*	

08 13 19 Stainless-Steel Doors *(08 13)*

08 13 19 00-0001 Stainless Steel Doors *(08 13 19)*

Note: Full flush, impregnated honeycomb core.

08 13 19 00-0002 304 Stainless Steel Doors *(08 13 19 00-0001)*

08 13 19 00-0003 16 Gauge, 304 Stainless Steel Doors *(08 13 19 00-0002)*

08 13 19 00-0004	EA	2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,015.37	82.13
		For Louvered Door, Add	*498.95*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0005	EA	3' x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,022.52	85.70
		For Louvered Door, Add	*498.95*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0006	EA	3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,263.19	89.27
		For Louvered Door, Add	*539.81*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0007	EA	2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,236.71	82.13
		For Louvered Door, Add	*537.68*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0008	EA	3' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,245.89	85.70
		For Louvered Door, Add	*538.04*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0009	EA	3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,488.60	89.27
		For Louvered Door, Add	*579.26*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0010	EA	4' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door	3,734.39	96.41
		For Louvered Door, Add	*619.77*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

08 13 19 00-0011 14 Gauge, 304 Stainless Steel Doors *(08 13 19 00-0002)*

08 13 19 00-0012	EA	2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,791.10	82.13
		For Louvered Door, Add	*634.70*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0013	EA	3' x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	3,798.25	85.70
		For Louvered Door, Add	*634.70*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0014	EA	3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,073.44	89.27
		For Louvered Door, Add	*681.61*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0015	EA	2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,040.88	82.13
		For Louvered Door, Add	*678.41*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0016	EA	3' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,048.03	85.70
		For Louvered Door, Add	*678.41*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0017	EA	3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,323.22	89.27
		For Louvered Door, Add	*725.32*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0018	EA	4' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door	4,607.59	96.41
		For Louvered Door, Add	*772.58*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

08 13 19 00-0019 316 Stainless Steel Doors *(08 13 19 00-0001)*

08 13 19 00-0020 16 Gauge, 316 Stainless Steel Doors *(08 13 19 00-0019)*

08 13 19 00-0021	EA	2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,051.03	82.13
		For Louvered Door, Add	*680.19*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0022	EA	3' x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,058.18	85.70
		For Louvered Door, Add	*680.19*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 19 00-0023	EA	3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,436.94	89.27
		For Louvered Door, Add	*745.22*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0024	EA	2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,361.73	82.13
		For Louvered Door, Add	*734.56*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0025	EA	3' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,368.88	85.70
		For Louvered Door, Add	*734.56*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0026	EA	3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	4,745.61	89.27
		For Louvered Door, Add	*799.24*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0027	EA	4' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door	5,133.55	96.41
		For Louvered Door, Add	*864.63*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0028		14 Gauge, 316 Stainless Steel Doors *(08 13 19 00-0019)*		
08 13 19 00-0029	EA	2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	4,826.76	82.13
		For Louvered Door, Add	*815.94*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0030	EA	3' x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	4,833.91	85.70
		For Louvered Door, Add	*815.94*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0031	EA	3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,275.62	89.27
		For Louvered Door, Add	*891.99*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0032	EA	2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,182.13	82.13
		For Louvered Door, Add	*878.13*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0033	EA	3' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,625.89	85.70
		For Louvered Door, Add	*954.54*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0034	EA	3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	5,633.03	89.27
		For Louvered Door, Add	*954.54*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0035	EA	4' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door	6,049.40	96.41
		For Louvered Door, Add	*1,024.90*	
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.		
08 13 19 00-0036		Stainless Steel Door Assembly Accessories *(08 13 19)*		
08 13 19 00-0037	SF	Vision Panel With Type 304 Frame, 1-1/2 Hour Fire Rated Glazing, Stainless Steel Door Assembly Accessories	1,293.20	85.70
08 13 19 00-0038	EA	Door Louver With Type 304 Frame, Stainless Steel Door Assembly Accessories	896.91	78.56
08 13 19 00-0039	LF	Door Astragal With Type 304 Plate, Stainless Steel Door Assembly Accessories	44.13	4.83
		For Type 316 Stainless Steel Plate, Add	*13.71*	
08 13 19 00-0040	LF	Type 304 Center Door Mullion, Stainless Steel Door Assembly Accessories	204.47	7.85
		For Type 316 Stainless Steel Plate, Add	*46.52*	
08 13 19 00-0041	EA	For 1-1/2 Hour Fire Rated Door, Single Door, Stainless Steel Door Assembly Accessories	524.74	
08 13 19 00-0042	EA	For 1-1/2 Hour Fire Rated Door, Double Doors, Stainless Steel Door Assembly Accessories	898.62	
08 13 73		**Sliding Metal Doors** *(08 13)*		
08 13 73 00-0001		Sliding Bypass Mirror Doors *(08 13 73)*		
		Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.		
08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	864.32	107.13
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	991.66	114.27
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	1,119.00	121.41
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,359.39	128.55
08 13 76		**Bifolding Metal Doors** *(08 13)*		
08 13 76 00-0001		Bi-Fold Metal Doors *(08 13 76)*		
08 13 76 00-0002		Steel Full Louver Bi-Fold Doors *(08 13 76 00-0001)*		
08 13 76 00-0003	EA	1'-6", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	296.67	78.54
08 13 76 00-0004	EA	2'-0", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	321.79	85.67
08 13 76 00-0005	EA	2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	350.51	92.81
08 13 76 00-0006	EA	3'-0", Two 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	394.72	107.09
08 13 76 00-0007	EA	4'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	506.50	114.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 76 00-0008	EA	5'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	552.08	121.37
08 13 76 00-0009	EA	6'-0", Four 1" Doors, Painted, 24 Gauge Steel, Full Louvered Bi-Fold	585.62	128.51
08 13 76 00-0010		Steel Half Louver, Half Panel Bi-Fold Doors *(08 13 76 00-0001)*		
08 13 76 00-0011	EA	2'-0", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	336.24	85.67
08 13 76 00-0012	EA	2'-6", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	366.16	92.81
08 13 76 00-0013	EA	3'-0", Two 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	404.35	107.09
08 13 76 00-0014	EA	4'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	532.98	114.23
08 13 76 00-0015	EA	5'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	571.34	121.37
08 13 76 00-0016	EA	6'-0", Four 1" Doors, Painted, 24 Gauge Steel, Half Louvered Half Paneled Bi-Fold	614.51	128.51
08 13 76 00-0017		Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors *(08 13 76 00-0001)*		
08 13 76 00-0018	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	251.01	85.67
08 13 76 00-0019	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	265.28	92.81
08 13 76 00-0020	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	284.88	99.96
08 13 76 00-0021	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	299.16	107.09
08 13 76 00-0022	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	381.36	114.23
08 13 76 00-0023	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	395.64	121.37
08 13 76 00-0024	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	421.19	128.51
08 13 76 00-0025		Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors *(08 13 76 00-0001)*		
08 13 76 00-0026	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	264.01	85.67
08 13 76 00-0027	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	282.55	92.81
08 13 76 00-0028	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	305.01	99.96
08 13 76 00-0029	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	319.29	107.09
08 13 76 00-0030	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	409.19	114.23
08 13 76 00-0031	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	439.02	121.37
08 13 76 00-0032	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	470.49	128.51
08 13 76 00-0033		Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 13 76 00-0001)*		
08 13 76 00-0034	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	255.59	85.67
08 13 76 00-0035	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	275.20	92.81
08 13 76 00-0036	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	300.80	99.96
08 13 76 00-0037	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	305.54	107.09
08 13 76 00-0038	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	373.82	114.23
08 13 76 00-0039	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	403.06	121.37
08 13 76 00-0040	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	449.64	128.51

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.36	78.56
		For >25 To 50, Deduct	*-16.99*	
		For >50 To 100, Deduct	*-27.11*	
		For >100, Deduct	*-39.18*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	287.36	78.56
		For >25 To 50, Deduct	*-16.99*	
		For >50 To 100, Deduct	*-27.11*	
		For >100, Deduct	*-39.18*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	303.72	82.13
		For >25 To 50, Deduct	*-17.90*	
		For >50 To 100, Deduct	*-28.63*	
		For >100, Deduct	*-41.45*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	310.51	82.13
		For >25 To 50, Deduct	*-18.17*	
		For >50 To 100, Deduct	*-29.22*	
		For >100, Deduct	*-42.47*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.10	82.13
		For >25 To 50, Deduct	*-18.23*	
		For >50 To 100, Deduct	*-29.36*	
		For >100, Deduct	*-42.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.05	85.70
		For >25 To 50, Deduct	*-18.80*	
		For >50 To 100, Deduct	*-30.15*	
		For >100, Deduct	*-43.72*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	334.57	85.70
		For >25 To 50, Deduct	*-19.38*	
		For >50 To 100, Deduct	*-31.42*	
		For >100, Deduct	*-45.90*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	352.15	89.27
		For >25 To 50, Deduct	*-20.33*	
		For >50 To 100, Deduct	*-33.04*	
		For >100, Deduct	*-48.36*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	294.95	78.56
		For >25 To 50, Deduct	*-17.30*	
		For >50 To 100, Deduct	*-27.77*	
		For >100, Deduct	*-40.31*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	294.95	78.56
		For >25 To 50, Deduct	*-17.30*	
		For >50 To 100, Deduct	*-27.77*	
		For >100, Deduct	*-40.31*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	311.85	82.13
		For >25 To 50, Deduct	*-18.22*	
		For >50 To 100, Deduct	*-29.34*	
		For >100, Deduct	*-42.67*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.03	82.13
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-29.97*	
		For >100, Deduct	*-43.75*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.71	82.13
		For >25 To 50, Deduct	*-18.58*	
		For >50 To 100, Deduct	*-30.12*	
		For >100, Deduct	*-44.00*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.70	85.70
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-45.02*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	344.06	85.70
		For >25 To 50, Deduct	*-19.76*	
		For >50 To 100, Deduct	*-32.25*	
		For >100, Deduct	*-47.32*	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	362.25	89.27
		For >25 To 50, Deduct	*-20.74*	
		For >50 To 100, Deduct	*-33.93*	
		For >100, Deduct	*-49.87*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.82	78.56
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-30.12*	
		For >100, Deduct	*-44.35*	
		For 9' Door Height, Add	*34.59*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.82	78.56
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-30.12*	
		For >100, Deduct	*-44.35*	
		For 9' Door Height, Add	*34.59*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.64	82.13
		For >25 To 50, Deduct	*-19.37*	
		For >50 To 100, Deduct	*-31.86*	
		For >100, Deduct	*-46.99*	
		For 9' Door Height, Add	*37.04*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	349.20	82.13
		For >25 To 50, Deduct	*-19.72*	
		For >50 To 100, Deduct	*-32.61*	
		For >100, Deduct	*-48.27*	
		For 9' Door Height, Add	*38.84*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	351.22	82.13
		For >25 To 50, Deduct	*-19.80*	
		For >50 To 100, Deduct	*-32.78*	
		For >100, Deduct	*-48.58*	
		For 9' Door Height, Add	*39.26*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	359.36	85.70
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-49.62*	
		For 9' Door Height, Add	*39.47*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	377.73	85.70
		For >25 To 50, Deduct	*-21.11*	
		For >50 To 100, Deduct	*-35.19*	
		For >100, Deduct	*-52.37*	
		For 9' Door Height, Add	*43.33*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	398.06	89.27
		For >25 To 50, Deduct	*-22.17*	
		For >50 To 100, Deduct	*-37.06*	
		For >100, Deduct	*-55.25*	
		For 9' Door Height, Add	*46.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0027		Oak Faced Wood Door *(08 14 16 00-0001)*		
08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	420.93	78.56
		For >25 To 50, Deduct	*-22.34*	
		For >50 To 100, Deduct	*-38.80*	
		For >100, Deduct	*-59.21*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	420.93	78.56
		For >25 To 50, Deduct	*-22.34*	
		For >50 To 100, Deduct	*-38.80*	
		For >100, Deduct	*-59.21*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	446.75	82.13
		For >25 To 50, Deduct	*-23.62*	
		For >50 To 100, Deduct	*-41.14*	
		For >100, Deduct	*-62.91*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	460.51	82.13
		For >25 To 50, Deduct	*-24.17*	
		For >50 To 100, Deduct	*-42.35*	
		For >100, Deduct	*-64.97*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	462.94	82.13
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-42.56*	
		For >100, Deduct	*-65.33*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	472.51	85.70
		For >25 To 50, Deduct	*-24.90*	
		For >50 To 100, Deduct	*-43.49*	
		For >100, Deduct	*-66.59*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	501.88	85.70
		For >25 To 50, Deduct	*-26.07*	
		For >50 To 100, Deduct	*-46.06*	
		For >100, Deduct	*-71.00*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	530.18	89.27
		For >25 To 50, Deduct	*-27.46*	
		For >50 To 100, Deduct	*-48.62*	
		For >100, Deduct	*-75.06*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	436.27	78.56
		For >25 To 50, Deduct	*-22.95*	
		For >50 To 100, Deduct	*-40.14*	
		For >100, Deduct	*-61.51*	
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	436.27	78.56
		For >25 To 50, Deduct	*-22.95*	
		For >50 To 100, Deduct	*-40.14*	
		For >100, Deduct	*-61.51*	
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	463.20	82.13
		For >25 To 50, Deduct	*-24.28*	
		For >50 To 100, Deduct	*-42.58*	
		For >100, Deduct	*-65.37*	
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	477.75	82.13
		For >25 To 50, Deduct	*-24.86*	
		For >50 To 100, Deduct	*-43.86*	
		For >100, Deduct	*-67.56*	
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	480.31	82.13
		For >25 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-44.08*	
		For >100, Deduct	*-67.94*	
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	490.02	85.70
		For >25 To 50, Deduct	*-25.60*	
		For >50 To 100, Deduct	*-45.02*	
		For >100, Deduct	*-69.22*	
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	521.10	85.70
		For >25 To 50, Deduct	*-26.84*	
		For >50 To 100, Deduct	*-47.74*	
		For >100, Deduct	*-73.88*	
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	550.64	89.27
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-50.41*	
		For >100, Deduct	*-78.13*	
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	490.73	78.56
		For >25 To 50, Deduct	*-25.13*	
		For >50 To 100, Deduct	*-44.90*	
		For >100, Deduct	*-69.68*	
		For 9' Door Height, Add	*70.06*	
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	490.73	78.56
		For >25 To 50, Deduct	*-25.13*	
		For >50 To 100, Deduct	*-44.90*	
		For >100, Deduct	*-69.68*	
		For 9' Door Height, Add	*70.06*	
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	521.49	82.13
		For >25 To 50, Deduct	*-26.61*	
		For >50 To 100, Deduct	*-47.68*	
		For >100, Deduct	*-74.12*	
		For 9' Door Height, Add	*75.02*	
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	538.86	82.13
		For >25 To 50, Deduct	*-27.30*	
		For >50 To 100, Deduct	*-49.20*	
		For >100, Deduct	*-76.72*	
		For 9' Door Height, Add	*78.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	541.95	82.13
		For >25 To 50, Deduct	*-27.43*	
		For >50 To 100, Deduct	*-49.47*	
		For >100, Deduct	*-77.19*	
		For 9' Door Height, Add	*79.32*	
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	552.14	85.70
		For >25 To 50, Deduct	*-28.08*	
		For >50 To 100, Deduct	*-50.45*	
		For >100, Deduct	*-78.54*	
		For 9' Door Height, Add	*79.96*	
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	589.31	85.70
		For >25 To 50, Deduct	*-29.57*	
		For >50 To 100, Deduct	*-53.71*	
		For >100, Deduct	*-84.11*	
		For 9' Door Height, Add	*87.76*	
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	623.22	89.27
		For >25 To 50, Deduct	*-31.18*	
		For >50 To 100, Deduct	*-56.76*	
		For >100, Deduct	*-89.02*	
		For 9' Door Height, Add	*93.38*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.44	78.56
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-32.63*	
		For >100, Deduct	*-48.64*	
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	350.44	78.56
		For >25 To 50, Deduct	*-19.52*	
		For >50 To 100, Deduct	*-32.63*	
		For >100, Deduct	*-48.64*	
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	371.25	82.13
		For >25 To 50, Deduct	*-20.60*	
		For >50 To 100, Deduct	*-34.54*	
		For >100, Deduct	*-51.58*	
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	381.35	82.13
		For >25 To 50, Deduct	*-21.00*	
		For >50 To 100, Deduct	*-35.42*	
		For >100, Deduct	*-53.10*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	383.12	82.13
		For >25 To 50, Deduct	*-21.07*	
		For >50 To 100, Deduct	*-35.58*	
		For >100, Deduct	*-53.36*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	392.05	85.70
		For >25 To 50, Deduct	*-21.68*	
		For >50 To 100, Deduct	*-36.45*	
		For >100, Deduct	*-54.52*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	413.56	85.70
		For >25 To 50, Deduct	*-22.54*	
		For >50 To 100, Deduct	*-38.33*	
		For >100, Deduct	*-57.75*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	436.21	89.27
		For >25 To 50, Deduct	*-23.70*	
		For >50 To 100, Deduct	*-40.40*	
		For >100, Deduct	*-60.97*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	361.67	78.56
		For >25 To 50, Deduct	*-19.97*	
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-50.32*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	361.67	78.56
		For >25 To 50, Deduct	*-19.97*	
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-50.32*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	383.31	82.13
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-35.59*	
		For >100, Deduct	*-53.39*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	393.97	82.13
		For >25 To 50, Deduct	*-21.51*	
		For >50 To 100, Deduct	*-36.53*	
		For >100, Deduct	*-54.99*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	395.86	82.13
		For >25 To 50, Deduct	*-21.58*	
		For >50 To 100, Deduct	*-36.69*	
		For >100, Deduct	*-55.27*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	404.87	85.70
		For >25 To 50, Deduct	*-22.19*	
		For >50 To 100, Deduct	*-37.57*	
		For >100, Deduct	*-56.45*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	427.65	85.70
		For >25 To 50, Deduct	*-23.11*	
		For >50 To 100, Deduct	*-39.56*	
		For >100, Deduct	*-59.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	451.21	89.27
		For >25 To 50, Deduct	*-24.30*	
		For >50 To 100, Deduct	*-41.71*	
		For >100, Deduct	*-63.22*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.57	78.56
		For >25 To 50, Deduct	*-21.56*	
		For >50 To 100, Deduct	*-37.10*	
		For >100, Deduct	*-56.31*	
		For 9' Door Height, Add	*51.33*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	401.57	78.56
		For >25 To 50, Deduct	*-21.56*	
		For >50 To 100, Deduct	*-37.10*	
		For >100, Deduct	*-56.31*	
		For 9' Door Height, Add	*51.33*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	426.01	82.13
		For >25 To 50, Deduct	*-22.79*	
		For >50 To 100, Deduct	*-39.33*	
		For >100, Deduct	*-59.80*	
		For 9' Door Height, Add	*54.97*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	438.75	82.13
		For >25 To 50, Deduct	*-23.30*	
		For >50 To 100, Deduct	*-40.44*	
		For >100, Deduct	*-61.71*	
		For 9' Door Height, Add	*57.65*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	441.01	82.13
		For >25 To 50, Deduct	*-23.39*	
		For >50 To 100, Deduct	*-40.64*	
		For >100, Deduct	*-62.05*	
		For 9' Door Height, Add	*58.12*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	450.40	85.70
		For >25 To 50, Deduct	*-24.02*	
		For >50 To 100, Deduct	*-41.55*	
		For >100, Deduct	*-63.28*	
		For 9' Door Height, Add	*58.59*	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	477.64	85.70
		For >25 To 50, Deduct	*-25.10*	
		For >50 To 100, Deduct	*-43.94*	
		For >100, Deduct	*-67.36*	
		For 9' Door Height, Add	*64.31*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	504.39	89.27
		For >25 To 50, Deduct	*-26.42*	
		For >50 To 100, Deduct	*-46.37*	
		For >100, Deduct	*-71.20*	
		For 9' Door Height, Add	*68.43*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	250.76	78.56
		For >25 To 50, Deduct	*-15.53*	
		For >50 To 100, Deduct	*-23.91*	
		For >100, Deduct	*-33.69*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	250.76	78.56
		For >25 To 50, Deduct	*-15.53*	
		For >50 To 100, Deduct	*-23.91*	
		For >100, Deduct	*-33.69*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	264.23	82.13
		For >25 To 50, Deduct	*-16.32*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-35.53*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	269.59	82.13
		For >25 To 50, Deduct	*-16.53*	
		For >50 To 100, Deduct	*-25.64*	
		For >100, Deduct	*-36.33*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	271.48	82.13
		For >25 To 50, Deduct	*-16.61*	
		For >50 To 100, Deduct	*-25.81*	
		For >100, Deduct	*-36.62*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.52	85.70
		For >25 To 50, Deduct	*-17.22*	
		For >50 To 100, Deduct	*-26.69*	
		For >100, Deduct	*-37.79*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	290.95	85.70
		For >25 To 50, Deduct	*-17.64*	
		For >50 To 100, Deduct	*-27.60*	
		For >100, Deduct	*-39.36*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	305.75	89.27
		For >25 To 50, Deduct	*-18.48*	
		For >50 To 100, Deduct	*-28.98*	
		For >100, Deduct	*-41.40*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.20	78.56
		For >25 To 50, Deduct	*-15.75*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-34.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.16	78.56
		For >25 To 50, Deduct	*-15.91*	
		For >50 To 100, Deduct	*-24.73*	
		For >100, Deduct	*-35.10*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.05	82.13
		For >25 To 50, Deduct	*-16.55*	
		For >50 To 100, Deduct	*-25.68*	
		For >100, Deduct	*-36.40*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.72	82.13
		For >25 To 50, Deduct	*-16.78*	
		For >50 To 100, Deduct	*-26.18*	
		For >100, Deduct	*-37.25*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.26	82.13
		For >25 To 50, Deduct	*-17.04*	
		For >50 To 100, Deduct	*-26.75*	
		For >100, Deduct	*-38.23*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	286.86	85.70
		For >25 To 50, Deduct	*-17.47*	
		For >50 To 100, Deduct	*-27.24*	
		For >100, Deduct	*-38.74*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	297.91	85.70
		For >25 To 50, Deduct	*-17.92*	
		For >50 To 100, Deduct	*-28.21*	
		For >100, Deduct	*-40.40*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	318.54	89.27
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-30.10*	
		For >100, Deduct	*-43.32*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.53	78.56
		For >25 To 50, Deduct	*-16.52*	
		For >50 To 100, Deduct	*-26.07*	
		For >100, Deduct	*-37.40*	
		For 9' Door Height, Add	*24.87*	
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	275.51	78.56
		For >25 To 50, Deduct	*-16.52*	
		For >50 To 100, Deduct	*-26.07*	
		For >100, Deduct	*-37.40*	
		For 9' Door Height, Add	*24.86*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	290.69	82.13
		For >25 To 50, Deduct	*-17.38*	
		For >50 To 100, Deduct	*-27.49*	
		For >100, Deduct	*-39.50*	
		For 9' Door Height, Add	*26.55*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	297.44	82.13
		For >25 To 50, Deduct	*-17.65*	
		For >50 To 100, Deduct	*-28.08*	
		For >100, Deduct	*-40.51*	
		For 9' Door Height, Add	*27.97*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	299.85	82.13
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-28.29*	
		For >100, Deduct	*-40.87*	
		For 9' Door Height, Add	*28.48*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	309.38	85.70
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-29.21*	
		For >100, Deduct	*-42.12*	
		For 9' Door Height, Add	*28.98*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	322.59	85.70
		For >25 To 50, Deduct	*-18.90*	
		For >50 To 100, Deduct	*-30.37*	
		For >100, Deduct	*-44.10*	
		For 9' Door Height, Add	*31.75*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	339.38	89.27
		For >25 To 50, Deduct	*-19.82*	
		For >50 To 100, Deduct	*-31.93*	
		For >100, Deduct	*-46.44*	
		For 9' Door Height, Add	*33.78*	

08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	276.20	78.56
		For >25 To 50, Deduct	*-16.55*	
		For >50 To 100, Deduct	*-26.13*	
		For >100, Deduct	*-37.50*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	276.20	78.56
		For >25 To 50, Deduct	*-16.55*	
		For >50 To 100, Deduct	*-26.13*	
		For >100, Deduct	*-37.50*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	292.01	82.13
		For >25 To 50, Deduct	*-17.43*	
		For >50 To 100, Deduct	*-27.60*	
		For >100, Deduct	*-39.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.12	82.13
		For >25 To 50, Deduct	*-17.59*	
		For >50 To 100, Deduct	*-27.96*	
		For >100, Deduct	*-40.31*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.25	82.13
		For >25 To 50, Deduct	*-17.76*	
		For >50 To 100, Deduct	*-28.33*	
		For >100, Deduct	*-40.93*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.50	85.70
		For >25 To 50, Deduct	*-18.46*	
		For >50 To 100, Deduct	*-29.40*	
		For >100, Deduct	*-42.44*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	326.92	85.70
		For >25 To 50, Deduct	*-19.08*	
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-44.75*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	344.00	89.27
		For >25 To 50, Deduct	*-20.01*	
		For >50 To 100, Deduct	*-32.33*	
		For >100, Deduct	*-47.14*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	283.12	78.56
		For >25 To 50, Deduct	*-16.82*	
		For >50 To 100, Deduct	*-26.74*	
		For >100, Deduct	*-38.54*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	283.12	78.56
		For >25 To 50, Deduct	*-16.82*	
		For >50 To 100, Deduct	*-26.74*	
		For >100, Deduct	*-38.54*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	299.44	82.13
		For >25 To 50, Deduct	*-17.73*	
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-40.81*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	303.80	82.13
		For >25 To 50, Deduct	*-17.90*	
		For >50 To 100, Deduct	*-28.64*	
		For >100, Deduct	*-41.46*	
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	308.17	82.13
		For >25 To 50, Deduct	*-18.08*	
		For >50 To 100, Deduct	*-29.02*	
		For >100, Deduct	*-42.12*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	319.67	85.70
		For >25 To 50, Deduct	*-18.79*	
		For >50 To 100, Deduct	*-30.11*	
		For >100, Deduct	*-43.67*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	335.98	85.70
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-31.54*	
		For >100, Deduct	*-46.11*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	353.63	89.27
		For >25 To 50, Deduct	*-20.39*	
		For >50 To 100, Deduct	*-33.17*	
		For >100, Deduct	*-48.58*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	307.67	78.56
		For >25 To 50, Deduct	*-17.81*	
		For >50 To 100, Deduct	*-28.89*	
		For >100, Deduct	*-42.22*	
		For 9' Door Height, Add	*31.62*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	307.70	78.56
		For >25 To 50, Deduct	*-17.81*	
		For >50 To 100, Deduct	*-28.89*	
		For >100, Deduct	*-42.23*	
		For 9' Door Height, Add	*31.62*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.80	82.13
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-30.56*	
		For >100, Deduct	*-44.76*	
		For 9' Door Height, Add	*33.93*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	331.02	82.13
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-31.02*	
		For >100, Deduct	*-45.55*	
		For 9' Door Height, Add	*35.02*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	336.25	82.13
		For >25 To 50, Deduct	*-19.20*	
		For >50 To 100, Deduct	*-31.48*	
		For >100, Deduct	*-46.33*	
		For 9' Door Height, Add	*36.12*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	348.59	85.70
		For >25 To 50, Deduct	*-19.94*	
		For >50 To 100, Deduct	*-32.64*	
		For >100, Deduct	*-48.00*	
		For 9' Door Height, Add	*37.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	368.08	85.70
		For >25 To 50, Deduct	*-20.72*	
		For >50 To 100, Deduct	*-34.35*	
		For >100, Deduct	*-50.93*	
		For 9' Door Height, Add	*41.30*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	387.78	89.27
		For >25 To 50, Deduct	*-21.76*	
		For >50 To 100, Deduct	*-36.16*	
		For >100, Deduct	*-53.70*	
		For 9' Door Height, Add	*43.94*	
08 14 16 00-0127		1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*		
08 14 16 00-0128		Birch Faced Wood Doors *(08 14 16 00-0127)*		
08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.91	78.56
		For >25 To 50, Deduct	*-18.30*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-44.06*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.91	78.56
		For >25 To 50, Deduct	*-18.30*	
		For >50 To 100, Deduct	*-29.96*	
		For >100, Deduct	*-44.06*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.18	82.13
		For >25 To 50, Deduct	*-19.08*	
		For >50 To 100, Deduct	*-31.21*	
		For >100, Deduct	*-45.87*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	335.47	82.13
		For >25 To 50, Deduct	*-19.17*	
		For >50 To 100, Deduct	*-31.41*	
		For >100, Deduct	*-46.21*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.47	82.13
		For >25 To 50, Deduct	*-19.37*	
		For >50 To 100, Deduct	*-31.84*	
		For >100, Deduct	*-46.96*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	352.63	85.70
		For >25 To 50, Deduct	*-20.10*	
		For >50 To 100, Deduct	*-33.00*	
		For >100, Deduct	*-48.61*	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	379.21	85.70
		For >25 To 50, Deduct	*-21.17*	
		For >50 To 100, Deduct	*-35.32*	
		For >100, Deduct	*-52.60*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	440.28	89.27
		For >25 To 50, Deduct	*-23.86*	
		For >50 To 100, Deduct	*-40.76*	
		For >100, Deduct	*-61.58*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	453.36	89.27
		For >25 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-41.90*	
		For >100, Deduct	*-63.54*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	479.53	89.27
		For >25 To 50, Deduct	*-25.43*	
		For >50 To 100, Deduct	*-44.19*	
		For >100, Deduct	*-67.47*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.39	78.56
		For >25 To 50, Deduct	*-18.67*	
		For >50 To 100, Deduct	*-30.79*	
		For >100, Deduct	*-45.48*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.39	78.56
		For >25 To 50, Deduct	*-18.67*	
		For >50 To 100, Deduct	*-30.79*	
		For >100, Deduct	*-45.48*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	343.01	82.13
		For >25 To 50, Deduct	*-19.47*	
		For >50 To 100, Deduct	*-32.07*	
		For >100, Deduct	*-47.35*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	345.43	82.13
		For >25 To 50, Deduct	*-19.57*	
		For >50 To 100, Deduct	*-32.28*	
		For >100, Deduct	*-47.71*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	350.73	82.13
		For >25 To 50, Deduct	*-19.78*	
		For >50 To 100, Deduct	*-32.74*	
		For >100, Deduct	*-48.50*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	363.17	85.70
		For >25 To 50, Deduct	*-20.53*	
		For >50 To 100, Deduct	*-33.92*	
		For >100, Deduct	*-50.19*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	391.30	85.70
		For >25 To 50, Deduct	*-21.65*	
		For >50 To 100, Deduct	*-36.38*	
		For >100, Deduct	*-54.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	455.52	89.27
		For >25 To 50, Deduct	*-24.47*	
		For >50 To 100, Deduct	*-42.09*	
		For >100, Deduct	*-63.86*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	469.36	89.27
		For >25 To 50, Deduct	*-25.02*	
		For >50 To 100, Deduct	*-43.30*	
		For >100, Deduct	*-65.94*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	497.06	89.27
		For >25 To 50, Deduct	*-26.13*	
		For >50 To 100, Deduct	*-45.72*	
		For >100, Deduct	*-70.10*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	362.99	78.56
		For >25 To 50, Deduct	*-20.02*	
		For >50 To 100, Deduct	*-33.73*	
		For >100, Deduct	*-50.52*	
		For 9' Door Height, Add	*43.23*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	362.99	78.56
		For >25 To 50, Deduct	*-20.02*	
		For >50 To 100, Deduct	*-33.73*	
		For >100, Deduct	*-50.52*	
		For 9' Door Height, Add	*43.23*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	377.87	82.13
		For >25 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-52.57*	
		For 9' Door Height, Add	*44.86*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	380.75	82.13
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-35.37*	
		For >100, Deduct	*-53.01*	
		For 9' Door Height, Add	*45.47*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	387.11	82.13
		For >25 To 50, Deduct	*-21.23*	
		For >50 To 100, Deduct	*-35.93*	
		For >100, Deduct	*-53.96*	
		For 9' Door Height, Add	*46.80*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	400.56	85.70
		For >25 To 50, Deduct	*-22.02*	
		For >50 To 100, Deduct	*-37.19*	
		For >100, Deduct	*-55.80*	
		For 9' Door Height, Add	*48.12*	
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	434.19	85.70
		For >25 To 50, Deduct	*-23.37*	
		For >50 To 100, Deduct	*-40.13*	
		For >100, Deduct	*-60.84*	
		For 9' Door Height, Add	*55.19*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	509.53	89.27
		For >25 To 50, Deduct	*-26.63*	
		For >50 To 100, Deduct	*-46.82*	
		For >100, Deduct	*-71.97*	
		For 9' Door Height, Add	*69.51*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	526.06	89.27
		For >25 To 50, Deduct	*-27.29*	
		For >50 To 100, Deduct	*-48.26*	
		For >100, Deduct	*-74.45*	
		For 9' Door Height, Add	*72.98*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	559.18	89.27
		For >25 To 50, Deduct	*-28.62*	
		For >50 To 100, Deduct	*-51.16*	
		For >100, Deduct	*-79.41*	
		For 9' Door Height, Add	*79.93*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	507.92	78.56
		For >25 To 50, Deduct	*-25.82*	
		For >50 To 100, Deduct	*-46.41*	
		For >100, Deduct	*-72.26*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	507.92	78.56
		For >25 To 50, Deduct	*-25.82*	
		For >50 To 100, Deduct	*-46.41*	
		For >100, Deduct	*-72.26*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	528.24	82.13
		For >25 To 50, Deduct	*-26.88*	
		For >50 To 100, Deduct	*-48.27*	
		For >100, Deduct	*-75.13*	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	533.18	82.13
		For >25 To 50, Deduct	*-27.08*	
		For >50 To 100, Deduct	*-48.71*	
		For >100, Deduct	*-75.87*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	543.98	82.13
		For >25 To 50, Deduct	*-27.51*	
		For >50 To 100, Deduct	*-49.65*	
		For >100, Deduct	*-77.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	561.89	85.70
		For >25 To 50, Deduct	*-28.47*	
		For >50 To 100, Deduct	*-51.31*	
		For >100, Deduct	*-80.00*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	619.16	85.70
		For >25 To 50, Deduct	*-30.77*	
		For >50 To 100, Deduct	*-56.32*	
		For >100, Deduct	*-88.59*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	742.53	89.27
		For >25 To 50, Deduct	*-35.95*	
		For >50 To 100, Deduct	*-67.20*	
		For >100, Deduct	*-106.92*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	770.75	89.27
		For >25 To 50, Deduct	*-37.08*	
		For >50 To 100, Deduct	*-69.67*	
		For >100, Deduct	*-111.15*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	827.19	89.27
		For >25 To 50, Deduct	*-39.34*	
		For >50 To 100, Deduct	*-74.61*	
		For >100, Deduct	*-119.62*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	528.33	78.56
		For >25 To 50, Deduct	*-26.63*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-75.32*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	528.34	78.56
		For >25 To 50, Deduct	*-26.63*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-75.32*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	549.42	82.13
		For >25 To 50, Deduct	*-27.73*	
		For >50 To 100, Deduct	*-50.13*	
		For >100, Deduct	*-78.31*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	554.65	82.13
		For >25 To 50, Deduct	*-27.93*	
		For >50 To 100, Deduct	*-50.59*	
		For >100, Deduct	*-79.09*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	566.07	82.13
		For >25 To 50, Deduct	*-28.39*	
		For >50 To 100, Deduct	*-51.58*	
		For >100, Deduct	*-80.80*	
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	584.61	85.70
		For >25 To 50, Deduct	*-29.38*	
		For >50 To 100, Deduct	*-53.30*	
		For >100, Deduct	*-83.41*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	645.22	85.70
		For >25 To 50, Deduct	*-31.81*	
		For >50 To 100, Deduct	*-58.60*	
		For >100, Deduct	*-92.50*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	775.36	89.27
		For >25 To 50, Deduct	*-37.26*	
		For >50 To 100, Deduct	*-70.08*	
		For >100, Deduct	*-111.84*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	805.23	89.27
		For >25 To 50, Deduct	*-38.46*	
		For >50 To 100, Deduct	*-72.69*	
		For >100, Deduct	*-116.32*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	864.94	89.27
		For >25 To 50, Deduct	*-40.85*	
		For >50 To 100, Deduct	*-77.91*	
		For >100, Deduct	*-125.28*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	600.70	78.56
		For >25 To 50, Deduct	*-29.53*	
		For >50 To 100, Deduct	*-54.53*	
		For >100, Deduct	*-86.18*	
		For 9' Door Height, Add	*93.15*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	600.74	78.56
		For >25 To 50, Deduct	*-29.53*	
		For >50 To 100, Deduct	*-54.53*	
		For >100, Deduct	*-86.18*	
		For 9' Door Height, Add	*93.16*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	624.54	82.13
		For >25 To 50, Deduct	*-30.73*	
		For >50 To 100, Deduct	*-56.70*	
		For >100, Deduct	*-89.57*	
		For 9' Door Height, Add	*96.66*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	630.75	82.13
		For >25 To 50, Deduct	*-30.98*	
		For >50 To 100, Deduct	*-57.24*	
		For >100, Deduct	*-90.51*	
		For 9' Door Height, Add	*97.97*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	644.42	82.13
		For >25 To 50, Deduct	*-31.53*	
		For >50 To 100, Deduct	*-58.44*	
		For >100, Deduct	*-92.56*	
		For 9' Door Height, Add	*100.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	665.20	85.70
		For >25 To 50, Deduct	*-32.61*	
		For >50 To 100, Deduct	*-60.35*	
		For >100, Deduct	*-95.50*	
		For 9' Door Height, Add	*103.70*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	737.64	85.70
		For >25 To 50, Deduct	*-35.50*	
		For >50 To 100, Deduct	*-66.69*	
		For >100, Deduct	*-106.36*	
		For 9' Door Height, Add	*118.91*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	891.74	89.27
		For >25 To 50, Deduct	*-41.92*	
		For >50 To 100, Deduct	*-80.26*	
		For >100, Deduct	*-129.30*	
		For 9' Door Height, Add	*149.77*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	927.46	89.27
		For >25 To 50, Deduct	*-43.35*	
		For >50 To 100, Deduct	*-83.38*	
		For >100, Deduct	*-134.66*	
		For 9' Door Height, Add	*157.27*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	998.80	89.27
		For >25 To 50, Deduct	*-46.20*	
		For >50 To 100, Deduct	*-89.63*	
		For >100, Deduct	*-145.36*	
		For 9' Door Height, Add	*172.25*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.17	78.56
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-38.20*	
		For >100, Deduct	*-58.20*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	414.17	78.56
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-38.20*	
		For >100, Deduct	*-58.20*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	430.97	82.13
		For >25 To 50, Deduct	*-22.99*	
		For >50 To 100, Deduct	*-39.76*	
		For >100, Deduct	*-60.54*	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	434.74	82.13
		For >25 To 50, Deduct	*-23.14*	
		For >50 To 100, Deduct	*-40.09*	
		For >100, Deduct	*-61.10*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	442.57	82.13
		For >25 To 50, Deduct	*-23.45*	
		For >50 To 100, Deduct	*-40.78*	
		For >100, Deduct	*-62.28*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	457.53	85.70
		For >25 To 50, Deduct	*-24.30*	
		For >50 To 100, Deduct	*-42.18*	
		For >100, Deduct	*-64.34*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	499.51	85.70
		For >25 To 50, Deduct	*-25.98*	
		For >50 To 100, Deduct	*-45.85*	
		For >100, Deduct	*-70.64*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	571.27	89.27
		For >25 To 50, Deduct	*-29.10*	
		For >50 To 100, Deduct	*-52.22*	
		For >100, Deduct	*-81.23*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	612.49	89.27
		For >25 To 50, Deduct	*-30.75*	
		For >50 To 100, Deduct	*-55.82*	
		For >100, Deduct	*-87.41*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	653.85	89.27
		For >25 To 50, Deduct	*-32.40*	
		For >50 To 100, Deduct	*-59.44*	
		For >100, Deduct	*-93.61*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	429.14	78.56
		For >25 To 50, Deduct	*-22.66*	
		For >50 To 100, Deduct	*-39.51*	
		For >100, Deduct	*-60.44*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	429.14	78.56
		For >25 To 50, Deduct	*-22.66*	
		For >50 To 100, Deduct	*-39.51*	
		For >100, Deduct	*-60.44*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	446.48	82.13
		For >25 To 50, Deduct	*-23.61*	
		For >50 To 100, Deduct	*-41.12*	
		For >100, Deduct	*-62.87*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	450.49	82.13
		For >25 To 50, Deduct	*-23.77*	
		For >50 To 100, Deduct	*-41.47*	
		For >100, Deduct	*-63.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	458.76	82.13
		For >25 To 50, Deduct	*-24.10*	
		For >50 To 100, Deduct	*-42.19*	
		For >100, Deduct	*-64.71*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	474.17	85.70
		For >25 To 50, Deduct	*-24.97*	
		For >50 To 100, Deduct	*-43.63*	
		For >100, Deduct	*-66.84*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	518.60	85.70
		For >25 To 50, Deduct	*-26.74*	
		For >50 To 100, Deduct	*-47.52*	
		For >100, Deduct	*-73.51*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	594.02	89.27
		For >25 To 50, Deduct	*-30.01*	
		For >50 To 100, Deduct	*-54.21*	
		For >100, Deduct	*-84.64*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	637.77	89.27
		For >25 To 50, Deduct	*-31.76*	
		For >50 To 100, Deduct	*-58.04*	
		For >100, Deduct	*-91.20*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	681.50	89.27
		For >25 To 50, Deduct	*-33.51*	
		For >50 To 100, Deduct	*-61.86*	
		For >100, Deduct	*-97.76*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.19	78.56
		For >25 To 50, Deduct	*-24.79*	
		For >50 To 100, Deduct	*-44.16*	
		For >100, Deduct	*-68.40*	
		For 9' Door Height, Add	*68.26*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.19	78.56
		For >25 To 50, Deduct	*-24.79*	
		For >50 To 100, Deduct	*-44.16*	
		For >100, Deduct	*-68.40*	
		For 9' Door Height, Add	*68.26*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	501.51	82.13
		For >25 To 50, Deduct	*-25.81*	
		For >50 To 100, Deduct	*-45.94*	
		For >100, Deduct	*-71.12*	
		For 9' Door Height, Add	*70.82*	
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	506.31	82.13
		For >25 To 50, Deduct	*-26.00*	
		For >50 To 100, Deduct	*-46.36*	
		For >100, Deduct	*-71.84*	
		For 9' Door Height, Add	*71.83*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	516.16	82.13
		For >25 To 50, Deduct	*-26.40*	
		For >50 To 100, Deduct	*-47.22*	
		For >100, Deduct	*-73.32*	
		For 9' Door Height, Add	*73.90*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	533.22	85.70
		For >25 To 50, Deduct	*-27.33*	
		For >50 To 100, Deduct	*-48.80*	
		For >100, Deduct	*-75.70*	
		For 9' Door Height, Add	*75.98*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	586.29	85.70
		For >25 To 50, Deduct	*-29.45*	
		For >50 To 100, Deduct	*-53.44*	
		For >100, Deduct	*-83.66*	
		For 9' Door Height, Add	*87.13*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	675.06	89.27
		For >25 To 50, Deduct	*-33.25*	
		For >50 To 100, Deduct	*-61.30*	
		For >100, Deduct	*-96.80*	
		For 9' Door Height, Add	*104.27*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	727.33	89.27
		For >25 To 50, Deduct	*-35.34*	
		For >50 To 100, Deduct	*-65.87*	
		For >100, Deduct	*-104.64*	
		For 9' Door Height, Add	*115.25*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	779.61	89.27
		For >25 To 50, Deduct	*-37.43*	
		For >50 To 100, Deduct	*-70.45*	
		For >100, Deduct	*-112.48*	
		For 9' Door Height, Add	*126.22*	

08 14 16 00-0221 Walnut Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	632.35	78.56
		For >25 To 50, Deduct	*-30.79*	
		For >50 To 100, Deduct	*-57.29*	
		For >100, Deduct	*-90.92*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	632.35	78.56
		For >25 To 50, Deduct	*-30.79*	
		For >50 To 100, Deduct	*-57.29*	
		For >100, Deduct	*-90.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	642.79	82.13
		For >25 To 50, Deduct	*-31.46*	
		For >50 To 100, Deduct	*-58.30*	
		For >100, Deduct	*-92.31*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	663.87	82.13
		For >25 To 50, Deduct	*-32.30*	
		For >50 To 100, Deduct	*-60.14*	
		For >100, Deduct	*-95.47*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	667.09	82.13
		For >25 To 50, Deduct	*-32.43*	
		For >50 To 100, Deduct	*-60.42*	
		For >100, Deduct	*-95.96*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	677.46	85.70
		For >25 To 50, Deduct	*-33.10*	
		For >50 To 100, Deduct	*-61.42*	
		For >100, Deduct	*-97.33*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	733.94	85.70
		For >25 To 50, Deduct	*-35.36*	
		For >50 To 100, Deduct	*-66.36*	
		For >100, Deduct	*-105.81*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	886.89	89.27
		For >25 To 50, Deduct	*-41.72*	
		For >50 To 100, Deduct	*-79.83*	
		For >100, Deduct	*-128.57*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	922.30	89.27
		For >25 To 50, Deduct	*-43.14*	
		For >50 To 100, Deduct	*-82.93*	
		For >100, Deduct	*-133.88*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	993.20	89.27
		For >25 To 50, Deduct	*-45.98*	
		For >50 To 100, Deduct	*-89.14*	
		For >100, Deduct	*-144.52*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	660.00	78.56
		For >25 To 50, Deduct	*-31.90*	
		For >50 To 100, Deduct	*-59.71*	
		For >100, Deduct	*-95.07*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	660.00	78.56
		For >25 To 50, Deduct	*-31.90*	
		For >50 To 100, Deduct	*-59.71*	
		For >100, Deduct	*-95.07*	
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	670.66	82.13
		For >25 To 50, Deduct	*-32.58*	
		For >50 To 100, Deduct	*-60.74*	
		For >100, Deduct	*-96.49*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	692.93	82.13
		For >25 To 50, Deduct	*-33.47*	
		For >50 To 100, Deduct	*-62.68*	
		For >100, Deduct	*-99.83*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	696.36	82.13
		For >25 To 50, Deduct	*-33.60*	
		For >50 To 100, Deduct	*-62.98*	
		For >100, Deduct	*-100.35*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	706.91	85.70
		For >25 To 50, Deduct	*-34.28*	
		For >50 To 100, Deduct	*-64.00*	
		For >100, Deduct	*-101.75*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	766.66	85.70
		For >25 To 50, Deduct	*-36.67*	
		For >50 To 100, Deduct	*-69.23*	
		For >100, Deduct	*-110.71*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	928.12	89.27
		For >25 To 50, Deduct	*-43.37*	
		For >50 To 100, Deduct	*-83.44*	
		For >100, Deduct	*-134.75*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	965.60	89.27
		For >25 To 50, Deduct	*-44.87*	
		For >50 To 100, Deduct	*-86.72*	
		For >100, Deduct	*-140.38*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,040.60	89.27
		For >25 To 50, Deduct	*-47.87*	
		For >50 To 100, Deduct	*-93.28*	
		For >100, Deduct	*-151.63*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	758.06	78.56
		For >25 To 50, Deduct	*-35.82*	
		For >50 To 100, Deduct	*-68.29*	
		For >100, Deduct	*-109.78*	
		For 9' Door Height, Add	*126.20*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	758.06	78.56
		For >25 To 50, Deduct	*-35.82*	
		For >50 To 100, Deduct	*-68.29*	
		For >100, Deduct	*-109.78*	
		For 9' Door Height, Add	*126.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	769.43	82.13
		For >25 To 50, Deduct	*-36.53*	
		For >50 To 100, Deduct	*-69.38*	
		For >100, Deduct	*-111.31*	
		For 9' Door Height, Add	*127.09*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	796.01	82.13
		For >25 To 50, Deduct	*-37.59*	
		For >50 To 100, Deduct	*-71.70*	
		For >100, Deduct	*-115.30*	
		For 9' Door Height, Add	*132.67*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	800.12	82.13
		For >25 To 50, Deduct	*-37.75*	
		For >50 To 100, Deduct	*-72.06*	
		For >100, Deduct	*-115.91*	
		For 9' Door Height, Add	*133.53*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	811.32	85.70
		For >25 To 50, Deduct	*-38.45*	
		For >50 To 100, Deduct	*-73.13*	
		For >100, Deduct	*-117.41*	
		For 9' Door Height, Add	*134.38*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	882.75	85.70
		For >25 To 50, Deduct	*-41.31*	
		For >50 To 100, Deduct	*-79.38*	
		For >100, Deduct	*-128.13*	
		For 9' Door Height, Add	*149.38*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,074.29	89.27
		For >25 To 50, Deduct	*-49.22*	
		For >50 To 100, Deduct	*-96.23*	
		For >100, Deduct	*-156.68*	
		For 9' Door Height, Add	*188.11*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,119.09	89.27
		For >25 To 50, Deduct	*-51.01*	
		For >50 To 100, Deduct	*-100.15*	
		For >100, Deduct	*-163.40*	
		For 9' Door Height, Add	*197.52*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,208.68	89.27
		For >25 To 50, Deduct	*-54.60*	
		For >50 To 100, Deduct	*-107.99*	
		For >100, Deduct	*-176.84*	
		For 9' Door Height, Add	*216.33*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.08	78.56
		For >25 To 50, Deduct	*-16.54*	
		For >50 To 100, Deduct	*-26.12*	
		For >100, Deduct	*-37.48*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.08	78.56
		For >25 To 50, Deduct	*-16.54*	
		For >50 To 100, Deduct	*-26.12*	
		For >100, Deduct	*-37.48*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.39	82.13
		For >25 To 50, Deduct	*-17.40*	
		For >50 To 100, Deduct	*-27.55*	
		For >100, Deduct	*-39.60*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	298.04	82.13
		For >25 To 50, Deduct	*-17.67*	
		For >50 To 100, Deduct	*-28.13*	
		For >100, Deduct	*-40.60*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	299.36	82.13
		For >25 To 50, Deduct	*-17.72*	
		For >50 To 100, Deduct	*-28.25*	
		For >100, Deduct	*-40.80*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.83	85.70
		For >25 To 50, Deduct	*-18.31*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-41.89*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	322.82	85.70
		For >25 To 50, Deduct	*-18.91*	
		For >50 To 100, Deduct	*-30.39*	
		For >100, Deduct	*-44.14*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	349.30	89.27
		For >25 To 50, Deduct	*-20.22*	
		For >50 To 100, Deduct	*-32.80*	
		For >100, Deduct	*-47.93*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	357.81	89.27
		For >25 To 50, Deduct	*-20.56*	
		For >50 To 100, Deduct	*-33.54*	
		For >100, Deduct	*-49.21*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	374.90	89.27
		For >25 To 50, Deduct	*-21.24*	
		For >50 To 100, Deduct	*-35.04*	
		For >100, Deduct	*-51.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.99	78.56
		For >25 To 50, Deduct	*-16.82*	
		For >50 To 100, Deduct	*-26.73*	
		For >100, Deduct	*-38.52*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	282.99	78.56
		For >25 To 50, Deduct	*-16.82*	
		For >50 To 100, Deduct	*-26.73*	
		For >100, Deduct	*-38.52*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	298.79	82.13
		For >25 To 50, Deduct	*-17.70*	
		For >50 To 100, Deduct	*-28.20*	
		For >100, Deduct	*-40.71*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	305.83	82.13
		For >25 To 50, Deduct	*-17.98*	
		For >50 To 100, Deduct	*-28.81*	
		For >100, Deduct	*-41.77*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.23	82.13
		For >25 To 50, Deduct	*-18.04*	
		For >50 To 100, Deduct	*-28.94*	
		For >100, Deduct	*-41.98*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	315.76	85.70
		For >25 To 50, Deduct	*-18.63*	
		For >50 To 100, Deduct	*-29.77*	
		For >100, Deduct	*-43.08*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	331.64	85.70
		For >25 To 50, Deduct	*-19.26*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-45.46*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	359.22	89.27
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-33.66*	
		For >100, Deduct	*-49.42*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	368.25	89.27
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-34.45*	
		For >100, Deduct	*-50.77*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	386.32	89.27
		For >25 To 50, Deduct	*-21.70*	
		For >50 To 100, Deduct	*-36.03*	
		For >100, Deduct	*-53.48*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.53	78.56
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-28.87*	
		For >100, Deduct	*-42.20*	
		For 9' Door Height, Add	*31.59*	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.53	78.56
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-28.87*	
		For >100, Deduct	*-42.20*	
		For 9' Door Height, Add	*31.59*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	325.01	82.13
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-30.49*	
		For >100, Deduct	*-44.65*	
		For 9' Door Height, Add	*33.76*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	333.43	82.13
		For >25 To 50, Deduct	*-19.09*	
		For >50 To 100, Deduct	*-31.23*	
		For >100, Deduct	*-45.91*	
		For 9' Door Height, Add	*35.53*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	335.11	82.13
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-31.38*	
		For >100, Deduct	*-46.16*	
		For 9' Door Height, Add	*35.88*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	343.92	85.70
		For >25 To 50, Deduct	*-19.76*	
		For >50 To 100, Deduct	*-32.24*	
		For >100, Deduct	*-47.30*	
		For 9' Door Height, Add	*36.23*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	362.89	85.70
		For >25 To 50, Deduct	*-20.51*	
		For >50 To 100, Deduct	*-33.90*	
		For >100, Deduct	*-50.15*	
		For 9' Door Height, Add	*40.21*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	394.45	89.27
		For >25 To 50, Deduct	*-22.03*	
		For >50 To 100, Deduct	*-36.75*	
		For >100, Deduct	*-54.70*	
		For 9' Door Height, Add	*45.34*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	405.24	89.27
		For >25 To 50, Deduct	*-22.46*	
		For >50 To 100, Deduct	*-37.69*	
		For >100, Deduct	*-56.32*	
		For 9' Door Height, Add	*47.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	426.83	89.27
		For >25 To 50, Deduct	*-23.32*	
		For >50 To 100, Deduct	*-39.58*	
		For >100, Deduct	*-59.56*	
		For 9' Door Height, Add	*52.14*	
08 14 16 00-0283		**Medium Density Overlay (MDO) Faced Wood Doors** *(08 14 16 00-0127)*		
08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	305.46	78.56
		For >25 To 50, Deduct	*-17.72*	
		For >50 To 100, Deduct	*-28.69*	
		For >100, Deduct	*-41.89*	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	305.49	78.56
		For >25 To 50, Deduct	*-17.72*	
		For >50 To 100, Deduct	*-28.69*	
		For >100, Deduct	*-41.90*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	316.73	82.13
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-29.77*	
		For >100, Deduct	*-43.40*	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.00	82.13
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-30.49*	
		For >100, Deduct	*-44.64*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	329.13	82.13
		For >25 To 50, Deduct	*-18.91*	
		For >50 To 100, Deduct	*-30.85*	
		For >100, Deduct	*-45.26*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	340.35	85.70
		For >25 To 50, Deduct	*-19.61*	
		For >50 To 100, Deduct	*-31.92*	
		For >100, Deduct	*-46.77*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	349.77	85.70
		For >25 To 50, Deduct	*-19.99*	
		For >50 To 100, Deduct	*-32.75*	
		For >100, Deduct	*-48.18*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	387.56	89.27
		For >25 To 50, Deduct	*-21.75*	
		For >50 To 100, Deduct	*-36.14*	
		For >100, Deduct	*-53.67*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	398.01	89.27
		For >25 To 50, Deduct	*-22.17*	
		For >50 To 100, Deduct	*-37.06*	
		For >100, Deduct	*-55.24*	
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	418.94	89.27
		For >25 To 50, Deduct	*-23.01*	
		For >50 To 100, Deduct	*-38.89*	
		For >100, Deduct	*-58.38*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.11	78.56
		For >25 To 50, Deduct	*-18.06*	
		For >50 To 100, Deduct	*-29.45*	
		For >100, Deduct	*-43.19*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.12	78.56
		For >25 To 50, Deduct	*-18.06*	
		For >50 To 100, Deduct	*-29.45*	
		For >100, Deduct	*-43.19*	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.59	82.13
		For >25 To 50, Deduct	*-18.77*	
		For >50 To 100, Deduct	*-30.54*	
		For >100, Deduct	*-44.73*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	334.34	82.13
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-31.31*	
		For >100, Deduct	*-46.04*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	338.71	82.13
		For >25 To 50, Deduct	*-19.30*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-46.70*	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	350.20	85.70
		For >25 To 50, Deduct	*-20.01*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-48.25*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	360.17	85.70
		For >25 To 50, Deduct	*-20.41*	
		For >50 To 100, Deduct	*-33.66*	
		For >100, Deduct	*-49.74*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	399.74	89.27
		For >25 To 50, Deduct	*-22.24*	
		For >50 To 100, Deduct	*-37.21*	
		For >100, Deduct	*-55.50*	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	410.80	89.27
		For >25 To 50, Deduct	*-22.68*	
		For >50 To 100, Deduct	*-38.18*	
		For >100, Deduct	*-57.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	432.91	89.27
		For >25 To 50, Deduct	*-23.57*	
		For >50 To 100, Deduct	*-40.11*	
		For >100, Deduct	*-60.47*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	344.73	78.56
		For >25 To 50, Deduct	*-19.29*	
		For >50 To 100, Deduct	*-32.13*	
		For >100, Deduct	*-47.78*	
		For 9' Door Height, Add	*39.40*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	344.73	78.56
		For >25 To 50, Deduct	*-19.29*	
		For >50 To 100, Deduct	*-32.13*	
		For >100, Deduct	*-47.78*	
		For 9' Door Height, Add	*39.40*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	357.05	82.13
		For >25 To 50, Deduct	*-20.03*	
		For >50 To 100, Deduct	*-33.30*	
		For >100, Deduct	*-49.45*	
		For 9' Door Height, Add	*40.49*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	367.50	82.13
		For >25 To 50, Deduct	*-20.45*	
		For >50 To 100, Deduct	*-34.21*	
		For >100, Deduct	*-51.02*	
		For 9' Door Height, Add	*42.68*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	372.72	82.13
		For >25 To 50, Deduct	*-20.66*	
		For >50 To 100, Deduct	*-34.67*	
		For >100, Deduct	*-51.80*	
		For 9' Door Height, Add	*43.78*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	385.07	85.70
		For >25 To 50, Deduct	*-21.40*	
		For >50 To 100, Deduct	*-35.84*	
		For >100, Deduct	*-53.48*	
		For 9' Door Height, Add	*44.87*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	396.99	85.70
		For >25 To 50, Deduct	*-21.88*	
		For >50 To 100, Deduct	*-36.88*	
		For >100, Deduct	*-55.26*	
		For 9' Door Height, Add	*47.37*	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	442.88	89.27
		For >25 To 50, Deduct	*-23.96*	
		For >50 To 100, Deduct	*-40.98*	
		For >100, Deduct	*-61.97*	
		For 9' Door Height, Add	*55.51*	
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	456.09	89.27
		For >25 To 50, Deduct	*-24.49*	
		For >50 To 100, Deduct	*-42.14*	
		For >100, Deduct	*-63.95*	
		For 9' Door Height, Add	*58.29*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	482.53	89.27
		For >25 To 50, Deduct	*-25.55*	
		For >50 To 100, Deduct	*-44.45*	
		For >100, Deduct	*-67.92*	
		For 9' Door Height, Add	*63.84*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	329.24	78.56
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*129.09*	
		For Structural Composite Lumber Core (SCLC), Add	*77.45*	
		For >25 To 50, Deduct	*-18.67*	
		For >50 To 100, Deduct	*-30.77*	
		For >100, Deduct	*-45.46*	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	329.27	78.56
		For 7 Ply Cold Press Construction, Deduct	*-3.44*	
		For Stave Lumber Core (SLC), Add	*129.11*	
		For Structural Composite Lumber Core (SCLC), Add	*77.47*	
		For >25 To 50, Deduct	*-18.67*	
		For >50 To 100, Deduct	*-30.78*	
		For >100, Deduct	*-45.46*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	345.42	82.13
		For 7 Ply Cold Press Construction, Deduct	*-3.62*	
		For Stave Lumber Core (SLC), Add	*135.88*	
		For Structural Composite Lumber Core (SCLC), Add	*81.53*	
		For >25 To 50, Deduct	*-19.57*	
		For >50 To 100, Deduct	*-32.28*	
		For >100, Deduct	*-47.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	354.45	82.13
		For 7 Ply Cold Press Construction, Deduct	*-3.80*	
		For Stave Lumber Core (SLC), Add	*142.65*	
		For Structural Composite Lumber Core (SCLC), Add	*85.59*	
		For >25 To 50, Deduct	*-19.93*	
		For >50 To 100, Deduct	*-33.07*	
		For >100, Deduct	*-49.06*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.96	82.13
		For 7 Ply Cold Press Construction, Deduct	*-3.91*	
		For Stave Lumber Core (SLC), Add	*146.78*	
		For Structural Composite Lumber Core (SCLC), Add	*88.07*	
		For >25 To 50, Deduct	*-20.15*	
		For >50 To 100, Deduct	*-33.55*	
		For >100, Deduct	*-49.89*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	372.64	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.02*	
		For Stave Lumber Core (SLC), Add	*150.93*	
		For Structural Composite Lumber Core (SCLC), Add	*90.56*	
		For >25 To 50, Deduct	*-20.90*	
		For >50 To 100, Deduct	*-34.75*	
		For >100, Deduct	*-51.61*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	394.72	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.49*	
		For Structural Composite Lumber Core (SCLC), Add	*100.49*	
		For >25 To 50, Deduct	*-21.79*	
		For >50 To 100, Deduct	*-36.68*	
		For >100, Deduct	*-54.92*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	416.14	89.27
		For 7 Ply Cold Press Construction, Deduct	*-4.75*	
		For Stave Lumber Core (SLC), Add	*178.20*	
		For Structural Composite Lumber Core (SCLC), Add	*106.92*	
		For >25 To 50, Deduct	*-22.89*	
		For >50 To 100, Deduct	*-38.64*	
		For >100, Deduct	*-57.96*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.26	78.56
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.61*	
		For Structural Composite Lumber Core (SCLC), Add	*81.96*	
		For >25 To 50, Deduct	*-19.07*	
		For >50 To 100, Deduct	*-31.65*	
		For >100, Deduct	*-46.96*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.27	78.56
		For 7 Ply Cold Press Construction, Deduct	*-3.64*	
		For Stave Lumber Core (SLC), Add	*136.61*	
		For Structural Composite Lumber Core (SCLC), Add	*81.97*	
		For >25 To 50, Deduct	*-19.07*	
		For >50 To 100, Deduct	*-31.65*	
		For >100, Deduct	*-46.96*	
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	355.97	82.13
		For 7 Ply Cold Press Construction, Deduct	*-3.83*	
		For Stave Lumber Core (SLC), Add	*143.79*	
		For Structural Composite Lumber Core (SCLC), Add	*86.27*	
		For >25 To 50, Deduct	*-19.99*	
		For >50 To 100, Deduct	*-33.20*	
		For >100, Deduct	*-49.29*	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	365.53	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.03*	
		For Stave Lumber Core (SLC), Add	*150.96*	
		For Structural Composite Lumber Core (SCLC), Add	*90.58*	
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-50.72*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	371.36	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.14*	
		For Stave Lumber Core (SLC), Add	*155.33*	
		For Structural Composite Lumber Core (SCLC), Add	*93.20*	
		For >25 To 50, Deduct	*-20.60*	
		For >50 To 100, Deduct	*-34.55*	
		For >100, Deduct	*-51.60*	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	384.35	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.26*	
		For Stave Lumber Core (SLC), Add	*159.71*	
		For Structural Composite Lumber Core (SCLC), Add	*95.83*	
		For >25 To 50, Deduct	*-21.37*	
		For >50 To 100, Deduct	*-35.77*	
		For >100, Deduct	*-53.37*	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	407.72	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.73*	
		For Stave Lumber Core (SLC), Add	*177.24*	
		For Structural Composite Lumber Core (SCLC), Add	*106.34*	
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-37.82*	
		For >100, Deduct	*-56.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	429.96	89.27
		For 7 Ply Cold Press Construction, Deduct	*-5.03*	
		For Stave Lumber Core (SLC), Add	*188.57*	
		For Structural Composite Lumber Core (SCLC), Add	*113.14*	
		For >25 To 50, Deduct	*-23.45*	
		For >50 To 100, Deduct	*-39.85*	
		For >100, Deduct	*-60.03*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	374.79	78.56
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.25*	
		For Structural Composite Lumber Core (SCLC), Add	*97.95*	
		For >25 To 50, Deduct	*-20.49*	
		For >50 To 100, Deduct	*-34.76*	
		For >100, Deduct	*-52.29*	
		For 9' Door Height, Add	*45.71*	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	374.79	78.56
		For 7 Ply Cold Press Construction, Deduct	*-4.35*	
		For Stave Lumber Core (SLC), Add	*163.25*	
		For Structural Composite Lumber Core (SCLC), Add	*97.95*	
		For >25 To 50, Deduct	*-20.49*	
		For >50 To 100, Deduct	*-34.76*	
		For >100, Deduct	*-52.29*	
		For 9' Door Height, Add	*45.71*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	393.35	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.58*	
		For Stave Lumber Core (SLC), Add	*171.83*	
		For Structural Composite Lumber Core (SCLC), Add	*103.10*	
		For >25 To 50, Deduct	*-21.48*	
		For >50 To 100, Deduct	*-36.47*	
		For >100, Deduct	*-54.90*	
		For 9' Door Height, Add	*48.11*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	404.78	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.81*	
		For Stave Lumber Core (SLC), Add	*180.40*	
		For Structural Composite Lumber Core (SCLC), Add	*108.24*	
		For >25 To 50, Deduct	*-21.94*	
		For >50 To 100, Deduct	*-37.47*	
		For >100, Deduct	*-56.61*	
		For 9' Door Height, Add	*50.51*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	411.74	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.95*	
		For Stave Lumber Core (SLC), Add	*185.62*	
		For Structural Composite Lumber Core (SCLC), Add	*111.37*	
		For >25 To 50, Deduct	*-22.22*	
		For >50 To 100, Deduct	*-38.08*	
		For >100, Deduct	*-57.65*	
		For 9' Door Height, Add	*51.97*	
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	425.88	85.70
		For 7 Ply Cold Press Construction, Deduct	*-5.09*	
		For Stave Lumber Core (SLC), Add	*190.86*	
		For Structural Composite Lumber Core (SCLC), Add	*114.52*	
		For >25 To 50, Deduct	*-23.03*	
		For >50 To 100, Deduct	*-39.41*	
		For >100, Deduct	*-59.60*	
		For 9' Door Height, Add	*53.44*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	453.79	85.70
		For 7 Ply Cold Press Construction, Deduct	*-5.65*	
		For Stave Lumber Core (SLC), Add	*211.79*	
		For Structural Composite Lumber Core (SCLC), Add	*127.08*	
		For >25 To 50, Deduct	*-24.15*	
		For >50 To 100, Deduct	*-41.85*	
		For >100, Deduct	*-63.78*	
		For 9' Door Height, Add	*59.30*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	478.99	89.27
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*225.34*	
		For Structural Composite Lumber Core (SCLC), Add	*135.20*	
		For >25 To 50, Deduct	*-25.41*	
		For >50 To 100, Deduct	*-44.14*	
		For >100, Deduct	*-67.39*	
		For 9' Door Height, Add	*63.09*	

08 14 16 00-0340 Oak Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.86	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.03*	
		For Stave Lumber Core (SLC), Add	*226.31*	
		For Structural Composite Lumber Core (SCLC), Add	*135.78*	
		For >25 To 50, Deduct	*-23.85*	
		For >50 To 100, Deduct	*-42.11*	
		For >100, Deduct	*-64.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.86	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.03*	
		For Stave Lumber Core (SLC), Add	*226.31*	
		For Structural Composite Lumber Core (SCLC), Add	*135.78*	
		For >25 To 50, Deduct	*-23.85*	
		For >50 To 100, Deduct	*-42.11*	
		For >100, Deduct	*-64.90*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	481.87	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.35*	
		For Stave Lumber Core (SLC), Add	*238.22*	
		For Structural Composite Lumber Core (SCLC), Add	*142.93*	
		For >25 To 50, Deduct	*-25.02*	
		For >50 To 100, Deduct	*-44.22*	
		For >100, Deduct	*-68.17*	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	497.72	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.67*	
		For Stave Lumber Core (SLC), Add	*250.10*	
		For Structural Composite Lumber Core (SCLC), Add	*150.06*	
		For >25 To 50, Deduct	*-25.66*	
		For >50 To 100, Deduct	*-45.60*	
		For >100, Deduct	*-70.55*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.36	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.86*	
		For Stave Lumber Core (SLC), Add	*257.33*	
		For Structural Composite Lumber Core (SCLC), Add	*154.40*	
		For >25 To 50, Deduct	*-26.04*	
		For >50 To 100, Deduct	*-46.45*	
		For >100, Deduct	*-72.00*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	524.20	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.60*	
		For Structural Composite Lumber Core (SCLC), Add	*158.76*	
		For >25 To 50, Deduct	*-26.97*	
		For >50 To 100, Deduct	*-48.01*	
		For >100, Deduct	*-74.35*	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	562.91	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.83*	
		For Stave Lumber Core (SLC), Add	*293.63*	
		For Structural Composite Lumber Core (SCLC), Add	*176.18*	
		For >25 To 50, Deduct	*-28.52*	
		For >50 To 100, Deduct	*-51.40*	
		For >100, Deduct	*-80.15*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	595.06	89.27
		For 7 Ply Cold Press Construction, Deduct	*-8.33*	
		For Stave Lumber Core (SLC), Add	*312.39*	
		For Structural Composite Lumber Core (SCLC), Add	*187.43*	
		For >25 To 50, Deduct	*-30.05*	
		For >50 To 100, Deduct	*-54.30*	
		For >100, Deduct	*-84.80*	
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	476.41	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.39*	
		For Stave Lumber Core (SLC), Add	*239.47*	
		For Structural Composite Lumber Core (SCLC), Add	*143.68*	
		For >25 To 50, Deduct	*-24.56*	
		For >50 To 100, Deduct	*-43.65*	
		For >100, Deduct	*-67.53*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	476.41	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.39*	
		For Stave Lumber Core (SLC), Add	*239.47*	
		For Structural Composite Lumber Core (SCLC), Add	*143.68*	
		For >25 To 50, Deduct	*-24.56*	
		For >50 To 100, Deduct	*-43.65*	
		For >100, Deduct	*-67.53*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.38	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.72*	
		For Stave Lumber Core (SLC), Add	*252.10*	
		For Structural Composite Lumber Core (SCLC), Add	*151.26*	
		For >25 To 50, Deduct	*-25.76*	
		For >50 To 100, Deduct	*-45.84*	
		For >100, Deduct	*-70.95*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	517.13	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.06*	
		For Stave Lumber Core (SLC), Add	*264.66*	
		For Structural Composite Lumber Core (SCLC), Add	*158.80*	
		For >25 To 50, Deduct	*-26.43*	
		For >50 To 100, Deduct	*-47.30*	
		For >100, Deduct	*-73.46*	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	527.33	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*272.31*	
		For Structural Composite Lumber Core (SCLC), Add	*163.39*	
		For >25 To 50, Deduct	*-26.84*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-74.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	544.73	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.47*	
		For Stave Lumber Core (SLC), Add	*280.00*	
		For Structural Composite Lumber Core (SCLC), Add	*168.00*	
		For >25 To 50, Deduct	*-27.79*	
		For >50 To 100, Deduct	*-49.81*	
		For >100, Deduct	*-77.42*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.70	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.29*	
		For Stave Lumber Core (SLC), Add	*310.73*	
		For Structural Composite Lumber Core (SCLC), Add	*186.44*	
		For >25 To 50, Deduct	*-29.43*	
		For >50 To 100, Deduct	*-53.39*	
		For >100, Deduct	*-83.57*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	619.32	89.27
		For 7 Ply Cold Press Construction, Deduct	*-8.82*	
		For Stave Lumber Core (SLC), Add	*330.59*	
		For Structural Composite Lumber Core (SCLC), Add	*198.35*	
		For >25 To 50, Deduct	*-31.02*	
		For >50 To 100, Deduct	*-56.42*	
		For >100, Deduct	*-88.43*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	538.67	78.56
		For 7 Ply Cold Press Construction, Deduct	*-7.63*	
		For Stave Lumber Core (SLC), Add	*286.16*	
		For Structural Composite Lumber Core (SCLC), Add	*171.70*	
		For >25 To 50, Deduct	*-27.05*	
		For >50 To 100, Deduct	*-49.10*	
		For >100, Deduct	*-76.87*	
		For 9' Door Height, Add	*80.13*	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	538.67	78.56
		For 7 Ply Cold Press Construction, Deduct	*-7.63*	
		For Stave Lumber Core (SLC), Add	*286.16*	
		For Structural Composite Lumber Core (SCLC), Add	*171.70*	
		For >25 To 50, Deduct	*-27.05*	
		For >50 To 100, Deduct	*-49.10*	
		For >100, Deduct	*-76.87*	
		For 9' Door Height, Add	*80.13*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	565.93	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.03*	
		For Stave Lumber Core (SLC), Add	*301.26*	
		For Structural Composite Lumber Core (SCLC), Add	*180.76*	
		For >25 To 50, Deduct	*-28.39*	
		For >50 To 100, Deduct	*-51.57*	
		For >100, Deduct	*-80.78*	
		For 9' Door Height, Add	*84.35*	
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	585.94	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.27*	
		For Structural Composite Lumber Core (SCLC), Add	*189.76*	
		For >25 To 50, Deduct	*-29.19*	
		For >50 To 100, Deduct	*-53.32*	
		For >100, Deduct	*-83.78*	
		For 9' Door Height, Add	*88.55*	
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	598.12	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.40*	
		For Structural Composite Lumber Core (SCLC), Add	*195.24*	
		For >25 To 50, Deduct	*-29.67*	
		For >50 To 100, Deduct	*-54.39*	
		For >100, Deduct	*-85.61*	
		For 9' Door Height, Add	*91.11*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	617.54	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.92*	
		For Stave Lumber Core (SLC), Add	*334.61*	
		For Structural Composite Lumber Core (SCLC), Add	*200.76*	
		For >25 To 50, Deduct	*-30.70*	
		For >50 To 100, Deduct	*-56.18*	
		For >100, Deduct	*-88.35*	
		For 9' Door Height, Add	*93.69*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	666.50	85.70
		For 7 Ply Cold Press Construction, Deduct	*-9.90*	
		For Stave Lumber Core (SLC), Add	*371.33*	
		For Structural Composite Lumber Core (SCLC), Add	*222.80*	
		For >25 To 50, Deduct	*-32.66*	
		For >50 To 100, Deduct	*-60.46*	
		For >100, Deduct	*-95.69*	
		For 9' Door Height, Add	*103.97*	
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	705.28	89.27
		For 7 Ply Cold Press Construction, Deduct	*-10.53*	
		For Stave Lumber Core (SLC), Add	*395.06*	
		For Structural Composite Lumber Core (SCLC), Add	*237.03*	
		For >25 To 50, Deduct	*-34.46*	
		For >50 To 100, Deduct	*-63.94*	
		For >100, Deduct	*-101.33*	
		For 9' Door Height, Add	*110.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0365		Maple Faced Wood Doors *(08 14 16 00-0314)*		
08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	411.99	78.56
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.15*	
		For Structural Composite Lumber Core (SCLC), Add	*114.69*	
		For >25 To 50, Deduct	*-21.98*	
		For >50 To 100, Deduct	*-38.01*	
		For >100, Deduct	*-57.87*	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	411.99	78.56
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.15*	
		For Structural Composite Lumber Core (SCLC), Add	*114.69*	
		For >25 To 50, Deduct	*-21.98*	
		For >50 To 100, Deduct	*-38.01*	
		For >100, Deduct	*-57.87*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	432.53	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.21*	
		For Structural Composite Lumber Core (SCLC), Add	*120.73*	
		For >25 To 50, Deduct	*-23.05*	
		For >50 To 100, Deduct	*-39.90*	
		For >100, Deduct	*-60.77*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	445.92	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.63*	
		For Stave Lumber Core (SLC), Add	*211.25*	
		For Structural Composite Lumber Core (SCLC), Add	*126.75*	
		For >25 To 50, Deduct	*-23.59*	
		For >50 To 100, Deduct	*-41.07*	
		For >100, Deduct	*-62.78*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	454.05	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.80*	
		For Stave Lumber Core (SLC), Add	*217.35*	
		For Structural Composite Lumber Core (SCLC), Add	*130.41*	
		For >25 To 50, Deduct	*-23.91*	
		For >50 To 100, Deduct	*-41.78*	
		For >100, Deduct	*-64.00*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	469.39	85.70
		For 7 Ply Cold Press Construction, Deduct	*-5.96*	
		For Stave Lumber Core (SLC), Add	*223.49*	
		For Structural Composite Lumber Core (SCLC), Add	*134.10*	
		For >25 To 50, Deduct	*-24.77*	
		For >50 To 100, Deduct	*-43.21*	
		For >100, Deduct	*-66.12*	
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	502.08	85.70
		For 7 Ply Cold Press Construction, Deduct	*-6.61*	
		For Stave Lumber Core (SLC), Add	*248.01*	
		For Structural Composite Lumber Core (SCLC), Add	*148.81*	
		For >25 To 50, Deduct	*-26.08*	
		For >50 To 100, Deduct	*-46.07*	
		For >100, Deduct	*-71.03*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.35	89.27
		For 7 Ply Cold Press Construction, Deduct	*-7.04*	
		For Stave Lumber Core (SLC), Add	*263.86*	
		For Structural Composite Lumber Core (SCLC), Add	*158.31*	
		For >25 To 50, Deduct	*-27.46*	
		For >50 To 100, Deduct	*-48.64*	
		For >100, Deduct	*-75.09*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	426.80	78.56
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.26*	
		For Structural Composite Lumber Core (SCLC), Add	*121.36*	
		For >25 To 50, Deduct	*-22.57*	
		For >50 To 100, Deduct	*-39.31*	
		For >100, Deduct	*-60.09*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	426.80	78.56
		For 7 Ply Cold Press Construction, Deduct	*-5.39*	
		For Stave Lumber Core (SLC), Add	*202.26*	
		For Structural Composite Lumber Core (SCLC), Add	*121.36*	
		For >25 To 50, Deduct	*-22.57*	
		For >50 To 100, Deduct	*-39.31*	
		For >100, Deduct	*-60.09*	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	448.15	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.68*	
		For Stave Lumber Core (SLC), Add	*212.93*	
		For Structural Composite Lumber Core (SCLC), Add	*127.76*	
		For >25 To 50, Deduct	*-23.67*	
		For >50 To 100, Deduct	*-41.27*	
		For >100, Deduct	*-63.12*	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	462.32	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.96*	
		For Stave Lumber Core (SLC), Add	*223.55*	
		For Structural Composite Lumber Core (SCLC), Add	*134.13*	
		For >25 To 50, Deduct	*-24.24*	
		For >50 To 100, Deduct	*-42.51*	
		For >100, Deduct	*-65.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	470.93	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.13*	
		For Stave Lumber Core (SLC), Add	*230.01*	
		For Structural Composite Lumber Core (SCLC), Add	*138.01*	
		For >25 To 50, Deduct	*-24.59*	
		For >50 To 100, Deduct	*-43.26*	
		For >100, Deduct	*-66.53*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	486.74	85.70
		For 7 Ply Cold Press Construction, Deduct	*-6.31*	
		For Stave Lumber Core (SLC), Add	*236.51*	
		For Structural Composite Lumber Core (SCLC), Add	*141.90*	
		For >25 To 50, Deduct	*-25.47*	
		For >50 To 100, Deduct	*-44.73*	
		For >100, Deduct	*-68.73*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	521.34	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.00*	
		For Stave Lumber Core (SLC), Add	*262.46*	
		For Structural Composite Lumber Core (SCLC), Add	*157.47*	
		For >25 To 50, Deduct	*-26.85*	
		For >50 To 100, Deduct	*-47.76*	
		For >100, Deduct	*-73.92*	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	550.84	89.27
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.23*	
		For Structural Composite Lumber Core (SCLC), Add	*167.54*	
		For >25 To 50, Deduct	*-28.28*	
		For >50 To 100, Deduct	*-50.43*	
		For >100, Deduct	*-78.16*	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	479.39	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.70*	
		For Structural Composite Lumber Core (SCLC), Add	*145.02*	
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-43.91*	
		For >100, Deduct	*-67.98*	
		For 9' Door Height, Add	*67.68*	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	479.39	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*241.70*	
		For Structural Composite Lumber Core (SCLC), Add	*145.02*	
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-43.91*	
		For >100, Deduct	*-67.98*	
		For 9' Door Height, Add	*67.68*	
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	503.51	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.45*	
		For Structural Composite Lumber Core (SCLC), Add	*152.67*	
		For >25 To 50, Deduct	*-25.89*	
		For >50 To 100, Deduct	*-46.11*	
		For >100, Deduct	*-71.42*	
		For 9' Door Height, Add	*71.24*	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	520.42	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*267.13*	
		For Structural Composite Lumber Core (SCLC), Add	*160.28*	
		For >25 To 50, Deduct	*-26.57*	
		For >50 To 100, Deduct	*-47.59*	
		For >100, Deduct	*-73.96*	
		For 9' Door Height, Add	*74.80*	
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.73	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.86*	
		For Structural Composite Lumber Core (SCLC), Add	*164.92*	
		For >25 To 50, Deduct	*-26.98*	
		For >50 To 100, Deduct	*-48.49*	
		For >100, Deduct	*-75.50*	
		For 9' Door Height, Add	*76.96*	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	548.22	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.54*	
		For Stave Lumber Core (SLC), Add	*282.62*	
		For Structural Composite Lumber Core (SCLC), Add	*169.57*	
		For >25 To 50, Deduct	*-27.93*	
		For >50 To 100, Deduct	*-50.11*	
		For >100, Deduct	*-77.95*	
		For 9' Door Height, Add	*79.13*	
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	589.58	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.36*	
		For Stave Lumber Core (SLC), Add	*313.64*	
		For Structural Composite Lumber Core (SCLC), Add	*188.18*	
		For >25 To 50, Deduct	*-29.58*	
		For >50 To 100, Deduct	*-53.73*	
		For >100, Deduct	*-84.15*	
		For 9' Door Height, Add	*87.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	623.44	89.27
		For 7 Ply Cold Press Construction, Deduct	*-8.90*	
		For Stave Lumber Core (SLC), Add	*333.68*	
		For Structural Composite Lumber Core (SCLC), Add	*200.21*	
		For >25 To 50, Deduct	*-31.19*	
		For >50 To 100, Deduct	*-56.78*	
		For >100, Deduct	*-89.05*	
		For 9' Door Height, Add	*93.43*	
08 14 16 00-0390		**Lauan Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	274.18	78.56
		For >25 To 50, Deduct	*-16.47*	
		For >50 To 100, Deduct	*-25.95*	
		For >100, Deduct	*-37.20*	
08 14 16 00-0392	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	274.18	78.56
		For >25 To 50, Deduct	*-16.47*	
		For >50 To 100, Deduct	*-25.95*	
		For >100, Deduct	*-37.20*	
08 14 16 00-0393	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	287.72	82.13
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-27.23*	
		For >100, Deduct	*-39.05*	
08 14 16 00-0394	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	294.17	82.13
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-27.79*	
		For >100, Deduct	*-40.02*	
08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	297.41	82.13
		For >25 To 50, Deduct	*-17.65*	
		For >50 To 100, Deduct	*-28.08*	
		For >100, Deduct	*-40.51*	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	307.83	85.70
		For >25 To 50, Deduct	*-18.31*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-41.89*	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	322.81	85.70
		For >25 To 50, Deduct	*-18.91*	
		For >50 To 100, Deduct	*-30.39*	
		For >100, Deduct	*-44.14*	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	341.82	89.27
		For >25 To 50, Deduct	*-19.92*	
		For >50 To 100, Deduct	*-32.14*	
		For >100, Deduct	*-46.81*	
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	280.99	78.56
		For >25 To 50, Deduct	*-16.74*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-38.22*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	280.99	78.56
		For >25 To 50, Deduct	*-16.74*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-38.22*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	294.91	82.13
		For >25 To 50, Deduct	*-17.55*	
		For >50 To 100, Deduct	*-27.86*	
		For >100, Deduct	*-40.13*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	301.74	82.13
		For >25 To 50, Deduct	*-17.82*	
		For >50 To 100, Deduct	*-28.46*	
		For >100, Deduct	*-41.15*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.17	82.13
		For >25 To 50, Deduct	*-17.96*	
		For >50 To 100, Deduct	*-28.76*	
		For >100, Deduct	*-41.67*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	315.76	85.70
		For >25 To 50, Deduct	*-18.63*	
		For >50 To 100, Deduct	*-29.77*	
		For >100, Deduct	*-43.08*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	331.64	85.70
		For >25 To 50, Deduct	*-19.26*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-45.46*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	351.31	89.27
		For >25 To 50, Deduct	*-20.30*	
		For >50 To 100, Deduct	*-32.97*	
		For >100, Deduct	*-48.23*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.16	78.56
		For >25 To 50, Deduct	*-17.71*	
		For >50 To 100, Deduct	*-28.67*	
		For >100, Deduct	*-41.85*	
		For 9' Door Height, Add	*31.09*	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.16	78.56
		For >25 To 50, Deduct	*-17.71*	
		For >50 To 100, Deduct	*-28.67*	
		For >100, Deduct	*-41.85*	
		For 9' Door Height, Add	*31.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	320.38	82.13
		For >25 To 50, Deduct	*-18.56*	
		For >50 To 100, Deduct	*-30.09*	
		For >100, Deduct	*-43.95*	
		For 9' Door Height, Add	*32.79*	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	328.55	82.13
		For >25 To 50, Deduct	*-18.89*	
		For >50 To 100, Deduct	*-30.80*	
		For >100, Deduct	*-45.18*	
		For 9' Door Height, Add	*34.50*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	332.66	82.13
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-31.16*	
		For >100, Deduct	*-45.79*	
		For 9' Door Height, Add	*35.37*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	343.92	85.70
		For >25 To 50, Deduct	*-19.76*	
		For >50 To 100, Deduct	*-32.24*	
		For >100, Deduct	*-47.30*	
		For 9' Door Height, Add	*36.23*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	362.88	85.70
		For >25 To 50, Deduct	*-20.51*	
		For >50 To 100, Deduct	*-33.89*	
		For >100, Deduct	*-50.15*	
		For 9' Door Height, Add	*40.21*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	385.00	89.27
		For >25 To 50, Deduct	*-21.65*	
		For >50 To 100, Deduct	*-35.92*	
		For >100, Deduct	*-53.29*	
		For 9' Door Height, Add	*43.36*	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	267.16	78.56
		For Stave Lumber Core (SLC), Add	*82.53*	
		For Structural Composite Lumber Core (SCLC), Add	*49.52*	
		For >25 To 50, Deduct	*-16.19*	
		For >50 To 100, Deduct	*-25.34*	
		For >100, Deduct	*-36.15*	
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	267.16	78.56
		For Stave Lumber Core (SLC), Add	*82.53*	
		For Structural Composite Lumber Core (SCLC), Add	*49.52*	
		For >25 To 50, Deduct	*-16.19*	
		For >50 To 100, Deduct	*-25.34*	
		For >100, Deduct	*-36.15*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	280.68	82.13
		For Stave Lumber Core (SLC), Add	*87.32*	
		For Structural Composite Lumber Core (SCLC), Add	*52.39*	
		For >25 To 50, Deduct	*-16.98*	
		For >50 To 100, Deduct	*-26.61*	
		For >100, Deduct	*-38.00*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	287.06	82.13
		For Stave Lumber Core (SLC), Add	*92.11*	
		For Structural Composite Lumber Core (SCLC), Add	*55.26*	
		For >25 To 50, Deduct	*-17.23*	
		For >50 To 100, Deduct	*-27.17*	
		For >100, Deduct	*-38.95*	
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	288.22	82.13
		For Stave Lumber Core (SLC), Add	*92.98*	
		For Structural Composite Lumber Core (SCLC), Add	*55.79*	
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-27.27*	
		For >100, Deduct	*-39.13*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.56	85.70
		For Stave Lumber Core (SLC), Add	*93.87*	
		For Structural Composite Lumber Core (SCLC), Add	*56.32*	
		For >25 To 50, Deduct	*-17.86*	
		For >50 To 100, Deduct	*-28.09*	
		For >100, Deduct	*-40.20*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	310.37	85.70
		For Stave Lumber Core (SLC), Add	*104.23*	
		For Structural Composite Lumber Core (SCLC), Add	*62.54*	
		For >25 To 50, Deduct	*-18.41*	
		For >50 To 100, Deduct	*-29.30*	
		For >100, Deduct	*-42.27*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	342.68	89.27
		For Stave Lumber Core (SLC), Add	*123.11*	
		For Structural Composite Lumber Core (SCLC), Add	*73.86*	
		For >25 To 50, Deduct	*-19.96*	
		For >50 To 100, Deduct	*-32.22*	
		For >100, Deduct	*-46.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.56	78.56
		For Stave Lumber Core (SLC), Add	*87.33*	
		For Structural Composite Lumber Core (SCLC), Add	*52.40*	
		For >25 To 50, Deduct	*-16.44*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-37.11*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.57	78.56
		For Stave Lumber Core (SLC), Add	*87.34*	
		For Structural Composite Lumber Core (SCLC), Add	*52.40*	
		For >25 To 50, Deduct	*-16.44*	
		For >50 To 100, Deduct	*-25.90*	
		For >100, Deduct	*-37.11*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	287.46	82.13
		For Stave Lumber Core (SLC), Add	*92.41*	
		For Structural Composite Lumber Core (SCLC), Add	*55.44*	
		For >25 To 50, Deduct	*-17.25*	
		For >50 To 100, Deduct	*-27.21*	
		For >100, Deduct	*-39.01*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	294.20	82.13
		For Stave Lumber Core (SLC), Add	*97.46*	
		For Structural Composite Lumber Core (SCLC), Add	*58.48*	
		For >25 To 50, Deduct	*-17.52*	
		For >50 To 100, Deduct	*-27.80*	
		For >100, Deduct	*-40.02*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.45	82.13
		For Stave Lumber Core (SLC), Add	*98.40*	
		For Structural Composite Lumber Core (SCLC), Add	*59.04*	
		For >25 To 50, Deduct	*-17.57*	
		For >50 To 100, Deduct	*-27.91*	
		For >100, Deduct	*-40.21*	
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.85	85.70
		For Stave Lumber Core (SLC), Add	*99.34*	
		For Structural Composite Lumber Core (SCLC), Add	*59.60*	
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-28.73*	
		For >100, Deduct	*-41.29*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	318.46	85.70
		For Stave Lumber Core (SLC), Add	*110.30*	
		For Structural Composite Lumber Core (SCLC), Add	*66.18*	
		For >25 To 50, Deduct	*-18.74*	
		For >50 To 100, Deduct	*-30.01*	
		For >100, Deduct	*-43.48*	
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	352.25	89.27
		For Stave Lumber Core (SLC), Add	*130.28*	
		For Structural Composite Lumber Core (SCLC), Add	*78.17*	
		For >25 To 50, Deduct	*-20.34*	
		For >50 To 100, Deduct	*-33.05*	
		For >100, Deduct	*-48.37*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.26	78.56
		For Stave Lumber Core (SLC), Add	*104.36*	
		For Structural Composite Lumber Core (SCLC), Add	*62.61*	
		For >25 To 50, Deduct	*-17.35*	
		For >50 To 100, Deduct	*-27.89*	
		For >100, Deduct	*-40.51*	
		For 9' Door Height, Add	*29.22*	
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.28	78.56
		For Stave Lumber Core (SLC), Add	*104.37*	
		For Structural Composite Lumber Core (SCLC), Add	*62.62*	
		For >25 To 50, Deduct	*-17.35*	
		For >50 To 100, Deduct	*-27.89*	
		For >100, Deduct	*-40.51*	
		For 9' Door Height, Add	*29.22*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	311.49	82.13
		For Stave Lumber Core (SLC), Add	*110.43*	
		For Structural Composite Lumber Core (SCLC), Add	*66.26*	
		For >25 To 50, Deduct	*-18.21*	
		For >50 To 100, Deduct	*-29.31*	
		For >100, Deduct	*-42.62*	
		For 9' Door Height, Add	*30.92*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.54	82.13
		For Stave Lumber Core (SLC), Add	*116.47*	
		For Structural Composite Lumber Core (SCLC), Add	*69.88*	
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-30.01*	
		For >100, Deduct	*-43.82*	
		For 9' Door Height, Add	*32.61*	
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	321.02	82.13
		For Stave Lumber Core (SLC), Add	*117.58*	
		For Structural Composite Lumber Core (SCLC), Add	*70.55*	
		For >25 To 50, Deduct	*-18.59*	
		For >50 To 100, Deduct	*-30.14*	
		For >100, Deduct	*-44.05*	
		For 9' Door Height, Add	*32.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.68	85.70
		For Stave Lumber Core (SLC), Add	*118.71*	
		For Structural Composite Lumber Core (SCLC), Add	*71.23*	
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-30.99*	
		For >100, Deduct	*-45.17*	
		For 9' Door Height, Add	*33.24*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	347.14	85.70
		For Stave Lumber Core (SLC), Add	*131.81*	
		For Structural Composite Lumber Core (SCLC), Add	*79.08*	
		For >25 To 50, Deduct	*-19.88*	
		For >50 To 100, Deduct	*-32.52*	
		For >100, Deduct	*-47.79*	
		For 9' Door Height, Add	*36.91*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	386.13	89.27
		For Stave Lumber Core (SLC), Add	*155.69*	
		For Structural Composite Lumber Core (SCLC), Add	*93.42*	
		For >25 To 50, Deduct	*-21.69*	
		For >50 To 100, Deduct	*-36.02*	
		For >100, Deduct	*-53.46*	
		For 9' Door Height, Add	*43.59*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	366.63	78.56
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.13*	
		For Structural Composite Lumber Core (SCLC), Add	*94.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*361.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.41*	
		For >25 To 50, Deduct	*-20.16*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-51.07*	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	366.63	78.56
		For 7 Ply Cold Press Construction, Deduct	*-4.19*	
		For Stave Lumber Core (SLC), Add	*157.13*	
		For Structural Composite Lumber Core (SCLC), Add	*94.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*361.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.41*	
		For >25 To 50, Deduct	*-20.16*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-51.07*	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	362.72	82.13
		For 7 Ply Cold Press Construction, Deduct	*-3.97*	
		For Stave Lumber Core (SLC), Add	*148.85*	
		For Structural Composite Lumber Core (SCLC), Add	*89.31*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*342.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.16*	
		For >25 To 50, Deduct	*-20.26*	
		For >50 To 100, Deduct	*-33.79*	
		For >100, Deduct	*-50.30*	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	370.99	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.13*	
		For Stave Lumber Core (SLC), Add	*155.06*	
		For Structural Composite Lumber Core (SCLC), Add	*93.03*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*356.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.09*	
		For >25 To 50, Deduct	*-20.59*	
		For >50 To 100, Deduct	*-34.51*	
		For >100, Deduct	*-51.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	376.53	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.21*	
		For Structural Composite Lumber Core (SCLC), Add	*95.53*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*366.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.74*	
		For >25 To 50, Deduct	*-20.81*	
		For >50 To 100, Deduct	*-35.00*	
		For >100, Deduct	*-52.37*	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	389.18	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.36*	
		For Stave Lumber Core (SLC), Add	*163.34*	
		For Structural Composite Lumber Core (SCLC), Add	*98.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*375.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.34*	
		For >25 To 50, Deduct	*-21.57*	
		For >50 To 100, Deduct	*-36.20*	
		For >100, Deduct	*-54.09*	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	413.13	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*181.30*	
		For Structural Composite Lumber Core (SCLC), Add	*108.78*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*416.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.08*	
		For >25 To 50, Deduct	*-22.52*	
		For >50 To 100, Deduct	*-38.29*	
		For >100, Deduct	*-57.68*	
08 14 16 00-0449	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	472.03	89.27
		For 7 Ply Cold Press Construction, Deduct	*-5.87*	
		For Stave Lumber Core (SLC), Add	*220.12*	
		For Structural Composite Lumber Core (SCLC), Add	*132.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*506.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*220.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*352.19*	
		For >25 To 50, Deduct	*-25.13*	
		For >50 To 100, Deduct	*-43.53*	
		For >100, Deduct	*-66.34*	
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	486.70	89.27
		For 7 Ply Cold Press Construction, Deduct	*-6.16*	
		For Stave Lumber Core (SLC), Add	*231.12*	
		For Structural Composite Lumber Core (SCLC), Add	*138.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*531.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*166.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*231.12*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*369.79*	
		For >25 To 50, Deduct	*-25.72*	
		For >50 To 100, Deduct	*-44.82*	
		For >100, Deduct	*-68.54*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	530.33	96.41
		For 7 Ply Cold Press Construction, Deduct	*-6.75*	
		For Stave Lumber Core (SLC), Add	*253.13*	
		For Structural Composite Lumber Core (SCLC), Add	*151.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*582.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.00*	
		For >25 To 50, Deduct	*-27.96*	
		For >50 To 100, Deduct	*-48.81*	
		For >100, Deduct	*-74.73*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	356.72	78.56
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.70*	
		For Structural Composite Lumber Core (SCLC), Add	*89.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*344.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.52*	
		For >25 To 50, Deduct	*-19.77*	
		For >50 To 100, Deduct	*-33.18*	
		For >100, Deduct	*-49.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	356.72	78.56
		For 7 Ply Cold Press Construction, Deduct	*-3.99*	
		For Stave Lumber Core (SLC), Add	*149.70*	
		For Structural Composite Lumber Core (SCLC), Add	*89.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*344.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.52*	
		For >25 To 50, Deduct	*-19.77*	
		For >50 To 100, Deduct	*-33.18*	
		For >100, Deduct	*-49.58*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	374.28	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.20*	
		For Stave Lumber Core (SLC), Add	*157.52*	
		For Structural Composite Lumber Core (SCLC), Add	*94.51*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*362.30*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.04*	
		For >25 To 50, Deduct	*-20.72*	
		For >50 To 100, Deduct	*-34.80*	
		For >100, Deduct	*-52.04*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	383.03	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.38*	
		For Stave Lumber Core (SLC), Add	*164.09*	
		For Structural Composite Lumber Core (SCLC), Add	*98.45*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*377.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.54*	
		For >25 To 50, Deduct	*-21.07*	
		For >50 To 100, Deduct	*-35.57*	
		For >100, Deduct	*-53.35*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	388.88	82.13
		For 7 Ply Cold Press Construction, Deduct	*-4.49*	
		For Stave Lumber Core (SLC), Add	*168.47*	
		For Structural Composite Lumber Core (SCLC), Add	*101.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*387.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.56*	
		For >25 To 50, Deduct	*-21.30*	
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-54.23*	
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	401.85	85.70
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.84*	
		For Structural Composite Lumber Core (SCLC), Add	*103.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*397.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.65*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.54*	
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-37.30*	
		For >100, Deduct	*-55.99*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	427.20	85.70
		For 7 Ply Cold Press Construction, Deduct	*-5.12*	
		For Stave Lumber Core (SLC), Add	*191.85*	
		For Structural Composite Lumber Core (SCLC), Add	*115.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*441.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.96*	
		For >25 To 50, Deduct	*-23.09*	
		For >50 To 100, Deduct	*-39.52*	
		For >100, Deduct	*-59.80*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	489.11	89.27
		For 7 Ply Cold Press Construction, Deduct	*-6.21*	
		For Stave Lumber Core (SLC), Add	*232.93*	
		For Structural Composite Lumber Core (SCLC), Add	*139.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*535.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*167.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*232.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*372.68*	
		For >25 To 50, Deduct	*-25.81*	
		For >50 To 100, Deduct	*-45.03*	
		For >100, Deduct	*-68.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	504.64	89.27
		For 7 Ply Cold Press Construction, Deduct	*-6.52*	
		For Stave Lumber Core (SLC), Add	*244.58*	
		For Structural Composite Lumber Core (SCLC), Add	*146.75*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*562.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*176.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*391.32*	
		For >25 To 50, Deduct	*-26.43*	
		For >50 To 100, Deduct	*-46.39*	
		For >100, Deduct	*-71.23*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	549.98	96.41
		For 7 Ply Cold Press Construction, Deduct	*-7.14*	
		For Stave Lumber Core (SLC), Add	*267.86*	
		For Structural Composite Lumber Core (SCLC), Add	*160.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*616.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*267.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*428.58*	
		For >25 To 50, Deduct	*-28.75*	
		For >50 To 100, Deduct	*-50.53*	
		For >100, Deduct	*-77.68*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	422.05	78.56
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.70*	
		For Structural Composite Lumber Core (SCLC), Add	*119.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*457.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.92*	
		For >25 To 50, Deduct	*-22.38*	
		For >50 To 100, Deduct	*-38.89*	
		For >100, Deduct	*-59.38*	
		For 9' Door Height, Add	*55.64*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	422.05	78.56
		For 7 Ply Cold Press Construction, Deduct	*-5.30*	
		For Stave Lumber Core (SLC), Add	*198.70*	
		For Structural Composite Lumber Core (SCLC), Add	*119.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*457.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*143.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.92*	
		For >25 To 50, Deduct	*-22.38*	
		For >50 To 100, Deduct	*-38.89*	
		For >100, Deduct	*-59.38*	
		For 9' Door Height, Add	*55.64*	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	415.23	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.02*	
		For Stave Lumber Core (SLC), Add	*188.24*	
		For Structural Composite Lumber Core (SCLC), Add	*112.94*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*432.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.18*	
		For >25 To 50, Deduct	*-22.36*	
		For >50 To 100, Deduct	*-38.39*	
		For >100, Deduct	*-58.18*	
		For 9' Door Height, Add	*52.71*	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	425.68	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.23*	
		For Stave Lumber Core (SLC), Add	*196.07*	
		For Structural Composite Lumber Core (SCLC), Add	*117.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*450.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.72*	
		For >25 To 50, Deduct	*-22.78*	
		For >50 To 100, Deduct	*-39.30*	
		For >100, Deduct	*-59.75*	
		For 9' Door Height, Add	*54.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	432.67	82.13
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.32*	
		For Structural Composite Lumber Core (SCLC), Add	*120.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*463.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*144.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.10*	
		For >25 To 50, Deduct	*-23.06*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-60.79*	
		For 9' Door Height, Add	*56.37*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	446.78	85.70
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.54*	
		For Structural Composite Lumber Core (SCLC), Add	*123.92*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*475.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*148.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*206.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*330.46*	
		For >25 To 50, Deduct	*-23.87*	
		For >50 To 100, Deduct	*-41.24*	
		For >100, Deduct	*-62.73*	
		For 9' Door Height, Add	*57.83*	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	477.07	85.70
		For 7 Ply Cold Press Construction, Deduct	*-6.11*	
		For Stave Lumber Core (SLC), Add	*229.25*	
		For Structural Composite Lumber Core (SCLC), Add	*137.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*527.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*165.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*229.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*366.80*	
		For >25 To 50, Deduct	*-25.08*	
		For >50 To 100, Deduct	*-43.89*	
		For >100, Deduct	*-67.28*	
		For 9' Door Height, Add	*64.19*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	549.66	89.27
		For 7 Ply Cold Press Construction, Deduct	*-7.42*	
		For Stave Lumber Core (SLC), Add	*278.34*	
		For Structural Composite Lumber Core (SCLC), Add	*167.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*640.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*200.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*278.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*445.34*	
		For >25 To 50, Deduct	*-28.24*	
		For >50 To 100, Deduct	*-50.33*	
		For >100, Deduct	*-77.99*	
		For 9' Door Height, Add	*77.94*	
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	568.22	89.27
		For 7 Ply Cold Press Construction, Deduct	*-7.79*	
		For Stave Lumber Core (SLC), Add	*292.26*	
		For Structural Composite Lumber Core (SCLC), Add	*175.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*672.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*210.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*292.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*467.62*	
		For >25 To 50, Deduct	*-28.98*	
		For >50 To 100, Deduct	*-51.95*	
		For >100, Deduct	*-80.77*	
		For 9' Door Height, Add	*81.83*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	619.62	96.41
		For 7 Ply Cold Press Construction, Deduct	*-8.54*	
		For Stave Lumber Core (SLC), Add	*320.09*	
		For Structural Composite Lumber Core (SCLC), Add	*192.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*736.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*512.15*	
		For >25 To 50, Deduct	*-31.53*	
		For >50 To 100, Deduct	*-56.63*	
		For >100, Deduct	*-88.12*	
		For 9' Door Height, Add	*89.63*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	559.15	78.56
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-27.87*	
		For >50 To 100, Deduct	*-50.89*	
		For >100, Deduct	*-79.94*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	559.15	78.56
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-27.87*	
		For >50 To 100, Deduct	*-50.89*	
		For >100, Deduct	*-79.94*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	566.28	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.04*	
		For Stave Lumber Core (SLC), Add	*301.52*	
		For Structural Composite Lumber Core (SCLC), Add	*180.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*693.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*217.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*301.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*482.44*	
		For >25 To 50, Deduct	*-28.40*	
		For >50 To 100, Deduct	*-51.60*	
		For >100, Deduct	*-80.84*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	570.41	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.12*	
		For Stave Lumber Core (SLC), Add	*304.62*	
		For Structural Composite Lumber Core (SCLC), Add	*182.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*700.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.39*	
		For >25 To 50, Deduct	*-28.57*	
		For >50 To 100, Deduct	*-51.96*	
		For >100, Deduct	*-81.46*	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	572.28	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.16*	
		For Stave Lumber Core (SLC), Add	*306.02*	
		For Structural Composite Lumber Core (SCLC), Add	*183.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*703.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*489.64*	
		For >25 To 50, Deduct	*-28.64*	
		For >50 To 100, Deduct	*-52.13*	
		For >100, Deduct	*-81.74*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	581.29	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.20*	
		For Stave Lumber Core (SLC), Add	*307.42*	
		For Structural Composite Lumber Core (SCLC), Add	*184.45*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*707.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*221.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*307.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*491.87*	
		For >25 To 50, Deduct	*-29.25*	
		For >50 To 100, Deduct	*-53.01*	
		For >100, Deduct	*-82.91*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	626.32	85.70
		For 7 Ply Cold Press Construction, Deduct	*-9.10*	
		For Stave Lumber Core (SLC), Add	*341.19*	
		For Structural Composite Lumber Core (SCLC), Add	*204.71*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*784.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*245.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*341.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*545.90*	
		For >25 To 50, Deduct	*-31.05*	
		For >50 To 100, Deduct	*-56.95*	
		For >100, Deduct	*-89.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	749.39	89.27
		For 7 Ply Cold Press Construction, Deduct	*-11.42*	
		For Stave Lumber Core (SLC), Add	*428.14*	
		For Structural Composite Lumber Core (SCLC), Add	*256.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*984.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*308.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*428.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*685.02*	
		For >25 To 50, Deduct	*-36.22*	
		For >50 To 100, Deduct	*-67.80*	
		For >100, Deduct	*-107.95*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	778.33	89.27
		For 7 Ply Cold Press Construction, Deduct	*-12.00*	
		For Stave Lumber Core (SLC), Add	*449.84*	
		For Structural Composite Lumber Core (SCLC), Add	*269.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,034.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*71.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*323.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*449.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*719.75*	
		For >25 To 50, Deduct	*-37.38*	
		For >50 To 100, Deduct	*-70.34*	
		For >100, Deduct	*-112.29*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	849.32	96.41
		For 7 Ply Cold Press Construction, Deduct	*-13.13*	
		For Stave Lumber Core (SLC), Add	*492.37*	
		For Structural Composite Lumber Core (SCLC), Add	*295.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,132.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*354.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*492.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*787.79*	
		For >25 To 50, Deduct	*-40.72*	
		For >50 To 100, Deduct	*-76.73*	
		For >100, Deduct	*-122.58*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	582.54	78.56
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-28.80*	
		For >50 To 100, Deduct	*-52.94*	
		For >100, Deduct	*-83.45*	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	582.54	78.56
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-28.80*	
		For >50 To 100, Deduct	*-52.94*	
		For >100, Deduct	*-83.45*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	589.67	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*319.07*	
		For Structural Composite Lumber Core (SCLC), Add	*191.44*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*733.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*319.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.50*	
		For >25 To 50, Deduct	*-29.34*	
		For >50 To 100, Deduct	*-53.65*	
		For >100, Deduct	*-84.34*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	594.03	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.60*	
		For Stave Lumber Core (SLC), Add	*322.34*	
		For Structural Composite Lumber Core (SCLC), Add	*193.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*741.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*232.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.74*	
		For >25 To 50, Deduct	*-29.51*	
		For >50 To 100, Deduct	*-54.03*	
		For >100, Deduct	*-85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	596.02	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.64*	
		For Stave Lumber Core (SLC), Add	*323.83*	
		For Structural Composite Lumber Core (SCLC), Add	*194.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*744.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*233.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*323.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*518.12*	
		For >25 To 50, Deduct	*-29.59*	
		For >50 To 100, Deduct	*-54.20*	
		For >100, Deduct	*-85.30*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	605.16	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.32*	
		For Structural Composite Lumber Core (SCLC), Add	*195.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*748.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.05*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*520.51*	
		For >25 To 50, Deduct	*-30.21*	
		For >50 To 100, Deduct	*-55.09*	
		For >100, Deduct	*-86.49*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	652.80	85.70
		For 7 Ply Cold Press Construction, Deduct	*-9.63*	
		For Stave Lumber Core (SLC), Add	*361.05*	
		For Structural Composite Lumber Core (SCLC), Add	*216.63*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*830.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*259.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*361.05*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*577.68*	
		For >25 To 50, Deduct	*-32.11*	
		For >50 To 100, Deduct	*-59.26*	
		For >100, Deduct	*-93.64*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	782.62	89.27
		For 7 Ply Cold Press Construction, Deduct	*-12.08*	
		For Stave Lumber Core (SLC), Add	*453.06*	
		For Structural Composite Lumber Core (SCLC), Add	*271.84*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,042.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*326.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*453.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*724.90*	
		For >25 To 50, Deduct	*-37.55*	
		For >50 To 100, Deduct	*-70.71*	
		For >100, Deduct	*-112.93*	
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	813.23	89.27
		For 7 Ply Cold Press Construction, Deduct	*-12.69*	
		For Stave Lumber Core (SLC), Add	*476.02*	
		For Structural Composite Lumber Core (SCLC), Add	*285.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,094.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*342.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*476.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*761.63*	
		For >25 To 50, Deduct	*-38.78*	
		For >50 To 100, Deduct	*-73.39*	
		For >100, Deduct	*-117.52*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	887.51	96.41
		For 7 Ply Cold Press Construction, Deduct	*-13.89*	
		For Stave Lumber Core (SLC), Add	*521.01*	
		For Structural Composite Lumber Core (SCLC), Add	*312.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,198.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*375.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*521.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*833.62*	
		For >25 To 50, Deduct	*-42.25*	
		For >50 To 100, Deduct	*-80.07*	
		For >100, Deduct	*-128.31*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	665.48	78.56
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-32.12*	
		For >50 To 100, Deduct	*-60.19*	
		For >100, Deduct	*-95.89*	
		For 9' Door Height, Add	*106.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	665.48	78.56
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-32.12*	
		For >50 To 100, Deduct	*-60.19*	
		For >100, Deduct	*-95.89*	
		For 9' Door Height, Add	*106.76*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	672.61	82.13
		For 7 Ply Cold Press Construction, Deduct	*-10.17*	
		For Stave Lumber Core (SLC), Add	*381.27*	
		For Structural Composite Lumber Core (SCLC), Add	*228.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*876.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*274.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*381.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*610.03*	
		For >25 To 50, Deduct	*-32.65*	
		For >50 To 100, Deduct	*-60.91*	
		For >100, Deduct	*-96.79*	
		For 9' Door Height, Add	*106.76*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	677.85	82.13
		For 7 Ply Cold Press Construction, Deduct	*-10.27*	
		For Stave Lumber Core (SLC), Add	*385.20*	
		For Structural Composite Lumber Core (SCLC), Add	*231.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*885.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*277.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*385.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*616.32*	
		For >25 To 50, Deduct	*-32.86*	
		For >50 To 100, Deduct	*-61.37*	
		For >100, Deduct	*-97.57*	
		For 9' Door Height, Add	*107.86*	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	680.23	82.13
		For 7 Ply Cold Press Construction, Deduct	*-10.32*	
		For Stave Lumber Core (SLC), Add	*386.99*	
		For Structural Composite Lumber Core (SCLC), Add	*232.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*890.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*278.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*386.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*619.18*	
		For >25 To 50, Deduct	*-32.96*	
		For >50 To 100, Deduct	*-61.57*	
		For >100, Deduct	*-97.93*	
		For 9' Door Height, Add	*108.36*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	689.72	85.70
		For 7 Ply Cold Press Construction, Deduct	*-10.37*	
		For Stave Lumber Core (SLC), Add	*388.74*	
		For Structural Composite Lumber Core (SCLC), Add	*233.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*894.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*279.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*388.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*621.98*	
		For >25 To 50, Deduct	*-33.59*	
		For >50 To 100, Deduct	*-62.49*	
		For >100, Deduct	*-99.17*	
		For 9' Door Height, Add	*108.85*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	746.66	85.70
		For 7 Ply Cold Press Construction, Deduct	*-11.51*	
		For Stave Lumber Core (SLC), Add	*431.45*	
		For Structural Composite Lumber Core (SCLC), Add	*258.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*992.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*310.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*431.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*690.31*	
		For >25 To 50, Deduct	*-35.87*	
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-107.71*	
		For 9' Door Height, Add	*120.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	900.42	89.27
		For 7 Ply Cold Press Construction, Deduct	*-14.44*	
		For Stave Lumber Core (SLC), Add	*541.41*	
		For Structural Composite Lumber Core (SCLC), Add	*324.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,245.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*86.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*389.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*541.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*866.26*	
		For >25 To 50, Deduct	*-42.27*	
		For >50 To 100, Deduct	*-81.02*	
		For >100, Deduct	*-130.60*	
		For 9' Door Height, Add	*151.59*	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	936.99	89.27
		For 7 Ply Cold Press Construction, Deduct	*-15.17*	
		For Stave Lumber Core (SLC), Add	*568.84*	
		For Structural Composite Lumber Core (SCLC), Add	*341.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,308.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*409.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*568.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*910.14*	
		For >25 To 50, Deduct	*-43.73*	
		For >50 To 100, Deduct	*-84.22*	
		For >100, Deduct	*-136.09*	
		For 9' Door Height, Add	*159.27*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,022.98	96.41
		For 7 Ply Cold Press Construction, Deduct	*-16.60*	
		For Stave Lumber Core (SLC), Add	*622.61*	
		For Structural Composite Lumber Core (SCLC), Add	*373.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,432.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*99.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*448.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*622.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*996.18*	
		For >25 To 50, Deduct	*-47.67*	
		For >50 To 100, Deduct	*-91.92*	
		For >100, Deduct	*-148.63*	
		For 9' Door Height, Add	*174.33*	

08 14 16 00-0503 Mahogany Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	616.80	78.56
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	616.80	78.56
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	623.93	82.13
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	628.66	82.13
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	630.80	82.13
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	640.09	85.70
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	691.55	85.70
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	831.26	89.27
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	864.37	89.27
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	929.16	89.27
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	643.56	78.56
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	643.56	78.56
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	650.69	82.13
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	655.69	82.13
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	657.96	82.13
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	667.37	85.70
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	721.84	85.70
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	869.25	89.27
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	904.39	89.27
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	972.84	89.27
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	738.37	78.56
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	738.37	78.56
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	745.50	82.13
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	751.50	82.13
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	754.24	82.13
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	764.05	85.70
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	829.16	85.70
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	1,003.97	89.27
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	1,045.77	89.27
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Mahogany Faced Wood Door	1,127.76	89.27

08 14 16 00-0534 Maple Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	496.69	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-25.37*	
		For >50 To 100, Deduct	*-45.42*	
		For >100, Deduct	*-70.58*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	496.69	78.56
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-25.37*	
		For >50 To 100, Deduct	*-45.42*	
		For >100, Deduct	*-70.58*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	503.82	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.79*	
		For Stave Lumber Core (SLC), Add	*254.68*	
		For Structural Composite Lumber Core (SCLC), Add	*152.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*585.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*183.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*254.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*407.48*	
		For >25 To 50, Deduct	*-25.90*	
		For >50 To 100, Deduct	*-46.14*	
		For >100, Deduct	*-71.47*	
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.32	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.86*	
		For Stave Lumber Core (SLC), Add	*257.30*	
		For Structural Composite Lumber Core (SCLC), Add	*154.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*591.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*411.68*	
		For >25 To 50, Deduct	*-26.04*	
		For >50 To 100, Deduct	*-46.44*	
		For >100, Deduct	*-71.99*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	508.88	82.13
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.47*	
		For Structural Composite Lumber Core (SCLC), Add	*155.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*594.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.56*	
		For >25 To 50, Deduct	*-26.10*	
		For >50 To 100, Deduct	*-46.58*	
		For >100, Deduct	*-72.23*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	517.62	85.70
		For 7 Ply Cold Press Construction, Deduct	*-6.92*	
		For Stave Lumber Core (SLC), Add	*259.67*	
		For Structural Composite Lumber Core (SCLC), Add	*155.80*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*597.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*259.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*415.46*	
		For >25 To 50, Deduct	*-26.70*	
		For >50 To 100, Deduct	*-47.43*	
		For >100, Deduct	*-73.36*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	555.66	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.69*	
		For Stave Lumber Core (SLC), Add	*288.20*	
		For Structural Composite Lumber Core (SCLC), Add	*172.92*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*662.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*461.11*	
		For >25 To 50, Deduct	*-28.23*	
		For >50 To 100, Deduct	*-50.76*	
		For >100, Deduct	*-79.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	636.60	89.27
		For 7 Ply Cold Press Construction, Deduct	*-9.16*	
		For Stave Lumber Core (SLC), Add	*343.55*	
		For Structural Composite Lumber Core (SCLC), Add	*206.13*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*790.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*247.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*343.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*549.67*	
		For >25 To 50, Deduct	*-31.71*	
		For >50 To 100, Deduct	*-57.93*	
		For >100, Deduct	*-91.03*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	684.81	89.27
		For 7 Ply Cold Press Construction, Deduct	*-10.13*	
		For Stave Lumber Core (SLC), Add	*379.70*	
		For Structural Composite Lumber Core (SCLC), Add	*227.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*873.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*273.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*379.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*607.52*	
		For >25 To 50, Deduct	*-33.64*	
		For >50 To 100, Deduct	*-62.15*	
		For >100, Deduct	*-98.26*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	733.07	89.27
		For 7 Ply Cold Press Construction, Deduct	*-11.09*	
		For Stave Lumber Core (SLC), Add	*415.90*	
		For Structural Composite Lumber Core (SCLC), Add	*249.54*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*956.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*299.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*415.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*665.44*	
		For >25 To 50, Deduct	*-35.57*	
		For >50 To 100, Deduct	*-66.38*	
		For >100, Deduct	*-105.50*	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	516.45	78.56
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-26.16*	
		For >50 To 100, Deduct	*-47.15*	
		For >100, Deduct	*-73.54*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	516.45	78.56
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-26.16*	
		For >50 To 100, Deduct	*-47.15*	
		For >100, Deduct	*-73.54*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	523.58	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.19*	
		For Stave Lumber Core (SLC), Add	*269.50*	
		For Structural Composite Lumber Core (SCLC), Add	*161.70*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*619.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*269.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*431.20*	
		For >25 To 50, Deduct	*-26.69*	
		For >50 To 100, Deduct	*-47.87*	
		For >100, Deduct	*-74.43*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	527.27	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.26*	
		For Stave Lumber Core (SLC), Add	*272.27*	
		For Structural Composite Lumber Core (SCLC), Add	*163.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*626.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*272.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*435.62*	
		For >25 To 50, Deduct	*-26.84*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-74.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	528.95	82.13
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.53*	
		For Structural Composite Lumber Core (SCLC), Add	*164.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*629.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.64*	
		For >25 To 50, Deduct	*-26.91*	
		For >50 To 100, Deduct	*-48.34*	
		For >100, Deduct	*-75.24*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	537.77	85.70
		For 7 Ply Cold Press Construction, Deduct	*-7.33*	
		For Stave Lumber Core (SLC), Add	*274.78*	
		For Structural Composite Lumber Core (SCLC), Add	*164.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*631.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*274.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*439.64*	
		For >25 To 50, Deduct	*-27.51*	
		For >50 To 100, Deduct	*-49.20*	
		For >100, Deduct	*-76.38*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	578.01	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.96*	
		For Structural Composite Lumber Core (SCLC), Add	*182.97*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*701.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*304.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*487.93*	
		For >25 To 50, Deduct	*-29.12*	
		For >50 To 100, Deduct	*-52.72*	
		For >100, Deduct	*-82.42*	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	663.26	89.27
		For 7 Ply Cold Press Construction, Deduct	*-9.69*	
		For Stave Lumber Core (SLC), Add	*363.54*	
		For Structural Composite Lumber Core (SCLC), Add	*218.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*836.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*261.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*363.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*581.66*	
		For >25 To 50, Deduct	*-32.78*	
		For >50 To 100, Deduct	*-60.27*	
		For >100, Deduct	*-95.03*	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	714.29	89.27
		For 7 Ply Cold Press Construction, Deduct	*-10.72*	
		For Stave Lumber Core (SLC), Add	*401.81*	
		For Structural Composite Lumber Core (SCLC), Add	*241.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*924.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*289.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*401.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*642.90*	
		For >25 To 50, Deduct	*-34.82*	
		For >50 To 100, Deduct	*-64.73*	
		For >100, Deduct	*-102.68*	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	765.35	89.27
		For 7 Ply Cold Press Construction, Deduct	*-11.74*	
		For Stave Lumber Core (SLC), Add	*440.11*	
		For Structural Composite Lumber Core (SCLC), Add	*264.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,012.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*440.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*704.17*	
		For >25 To 50, Deduct	*-36.86*	
		For >50 To 100, Deduct	*-69.20*	
		For >100, Deduct	*-110.34*	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	586.51	78.56
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-28.96*	
		For >50 To 100, Deduct	*-53.28*	
		For >100, Deduct	*-84.05*	
		For 9' Door Height, Add	*90.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	586.51	78.56
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-28.96*	
		For >50 To 100, Deduct	*-53.28*	
		For >100, Deduct	*-84.05*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	593.64	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.59*	
		For Stave Lumber Core (SLC), Add	*322.04*	
		For Structural Composite Lumber Core (SCLC), Add	*193.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*740.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*322.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*515.27*	
		For >25 To 50, Deduct	*-29.49*	
		For >50 To 100, Deduct	*-54.00*	
		For >100, Deduct	*-84.94*	
		For 9' Door Height, Add	*90.17*	
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	598.06	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.36*	
		For Structural Composite Lumber Core (SCLC), Add	*195.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*748.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*234.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*325.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*520.57*	
		For >25 To 50, Deduct	*-29.67*	
		For >50 To 100, Deduct	*-54.38*	
		For >100, Deduct	*-85.60*	
		For 9' Door Height, Add	*91.10*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.07	82.13
		For 7 Ply Cold Press Construction, Deduct	*-8.72*	
		For Stave Lumber Core (SLC), Add	*326.87*	
		For Structural Composite Lumber Core (SCLC), Add	*196.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*751.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*235.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*326.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*522.98*	
		For >25 To 50, Deduct	*-29.75*	
		For >50 To 100, Deduct	*-54.56*	
		For >100, Deduct	*-85.90*	
		For 9' Door Height, Add	*91.52*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	609.20	85.70
		For 7 Ply Cold Press Construction, Deduct	*-8.76*	
		For Stave Lumber Core (SLC), Add	*328.35*	
		For Structural Composite Lumber Core (SCLC), Add	*197.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*755.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*525.36*	
		For >25 To 50, Deduct	*-30.37*	
		For >50 To 100, Deduct	*-55.45*	
		For >100, Deduct	*-87.10*	
		For 9' Door Height, Add	*91.94*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	657.30	85.70
		For 7 Ply Cold Press Construction, Deduct	*-9.72*	
		For Stave Lumber Core (SLC), Add	*364.43*	
		For Structural Composite Lumber Core (SCLC), Add	*218.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*838.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.08*	
		For >25 To 50, Deduct	*-32.29*	
		For >50 To 100, Deduct	*-59.66*	
		For >100, Deduct	*-94.31*	
		For 9' Door Height, Add	*102.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	757.78	89.27
		For 7 Ply Cold Press Construction, Deduct	*-11.58*	
		For Stave Lumber Core (SLC), Add	*434.43*	
		For Structural Composite Lumber Core (SCLC), Add	*260.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*999.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*69.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*312.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*434.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*695.09*	
		For >25 To 50, Deduct	*-36.56*	
		For >50 To 100, Deduct	*-68.54*	
		For >100, Deduct	*-109.20*	
		For 9' Door Height, Add	*121.64*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	818.75	89.27
		For 7 Ply Cold Press Construction, Deduct	*-12.80*	
		For Stave Lumber Core (SLC), Add	*480.16*	
		For Structural Composite Lumber Core (SCLC), Add	*288.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,104.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.25*	
		For >25 To 50, Deduct	*-39.00*	
		For >50 To 100, Deduct	*-73.87*	
		For >100, Deduct	*-118.35*	
		For 9' Door Height, Add	*134.44*	
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	879.76	89.27
		For 7 Ply Cold Press Construction, Deduct	*-14.02*	
		For Stave Lumber Core (SLC), Add	*525.92*	
		For Structural Composite Lumber Core (SCLC), Add	*315.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,209.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*378.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*525.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*841.46*	
		For >25 To 50, Deduct	*-41.44*	
		For >50 To 100, Deduct	*-79.21*	
		For >100, Deduct	*-127.50*	
		For 9' Door Height, Add	*147.26*	

08 14 16 00-0565 Cherry Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	697.91	78.56
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	697.91	78.56
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	705.04	82.13
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	710.60	82.13
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	713.14	82.13
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	722.80	85.70
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	783.34	85.70
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	946.44	89.27
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	985.38	89.27
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,061.65	89.27
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	729.40	78.56
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	729.40	78.56
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	736.53	82.13
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	742.41	82.13
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	745.07	82.13
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	754.88	85.70
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	819.00	85.70
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	991.14	89.27
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,032.47	89.27
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,113.03	89.27
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	840.96	78.56
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	840.96	78.56
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	848.09	82.13
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	855.16	82.13
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	858.34	82.13
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	868.66	85.70
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	945.25	85.70
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,149.60	89.27
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,198.79	89.27
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Cherry Faced Wood Door	1,295.27	89.27

08 14 16 00-0596 Walnut Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	773.95	78.56
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.62*	
		For Structural Composite Lumber Core (SCLC), Add	*277.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.20*	
		For >25 To 50, Deduct	*-36.46*	
		For >50 To 100, Deduct	*-69.68*	
		For >100, Deduct	*-112.16*	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	773.95	78.56
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.62*	
		For Structural Composite Lumber Core (SCLC), Add	*277.57*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.20*	
		For >25 To 50, Deduct	*-36.46*	
		For >50 To 100, Deduct	*-69.68*	
		For >100, Deduct	*-112.16*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	781.27	82.13
		For 7 Ply Cold Press Construction, Deduct	*-12.34*	
		For Stave Lumber Core (SLC), Add	*462.77*	
		For Structural Composite Lumber Core (SCLC), Add	*277.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,064.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*333.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*462.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*740.42*	
		For >25 To 50, Deduct	*-37.00*	
		For >50 To 100, Deduct	*-70.41*	
		For >100, Deduct	*-113.08*	
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	787.63	82.13
		For 7 Ply Cold Press Construction, Deduct	*-12.47*	
		For Stave Lumber Core (SLC), Add	*467.54*	
		For Structural Composite Lumber Core (SCLC), Add	*280.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,075.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*336.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*467.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*748.06*	
		For >25 To 50, Deduct	*-37.25*	
		For >50 To 100, Deduct	*-70.97*	
		For >100, Deduct	*-114.04*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	804.26	82.13
		For 7 Ply Cold Press Construction, Deduct	*-12.80*	
		For Stave Lumber Core (SLC), Add	*480.01*	
		For Structural Composite Lumber Core (SCLC), Add	*288.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,104.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.01*	
		For >25 To 50, Deduct	*-37.92*	
		For >50 To 100, Deduct	*-72.43*	
		For >100, Deduct	*-116.53*	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	828.01	85.70
		For 7 Ply Cold Press Construction, Deduct	*-13.13*	
		For Stave Lumber Core (SLC), Add	*492.46*	
		For Structural Composite Lumber Core (SCLC), Add	*295.47*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,132.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*354.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*492.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*787.93*	
		For >25 To 50, Deduct	*-39.12*	
		For >50 To 100, Deduct	*-74.59*	
		For >100, Deduct	*-119.92*	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	871.13	85.70
		For 7 Ply Cold Press Construction, Deduct	*-13.99*	
		For Stave Lumber Core (SLC), Add	*524.80*	
		For Structural Composite Lumber Core (SCLC), Add	*314.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,207.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*377.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*524.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*839.68*	
		For >25 To 50, Deduct	*-40.84*	
		For >50 To 100, Deduct	*-78.37*	
		For >100, Deduct	*-126.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,060.26	89.27
		For 7 Ply Cold Press Construction, Deduct	*-17.63*	
		For Stave Lumber Core (SLC), Add	*661.29*	
		For Structural Composite Lumber Core (SCLC), Add	*396.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,520.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*105.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*476.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*661.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,058.06*	
		For >25 To 50, Deduct	*-48.66*	
		For >50 To 100, Deduct	*-95.00*	
		For >100, Deduct	*-154.58*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,104.33	89.27
		For 7 Ply Cold Press Construction, Deduct	*-18.52*	
		For Stave Lumber Core (SLC), Add	*694.34*	
		For Structural Composite Lumber Core (SCLC), Add	*416.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,596.99*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*111.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*499.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*694.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,110.95*	
		For >25 To 50, Deduct	*-50.42*	
		For >50 To 100, Deduct	*-98.86*	
		For >100, Deduct	*-161.19*	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,192.55	89.27
		For 7 Ply Cold Press Construction, Deduct	*-20.28*	
		For Stave Lumber Core (SLC), Add	*760.51*	
		For Structural Composite Lumber Core (SCLC), Add	*456.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,749.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*121.68*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*547.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*760.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,216.81*	
		For >25 To 50, Deduct	*-53.95*	
		For >50 To 100, Deduct	*-106.58*	
		For >100, Deduct	*-174.42*	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	809.84	78.56
		For 7 Ply Cold Press Construction, Deduct	*-13.05*	
		For Stave Lumber Core (SLC), Add	*489.54*	
		For Structural Composite Lumber Core (SCLC), Add	*293.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.26*	
		For >25 To 50, Deduct	*-37.89*	
		For >50 To 100, Deduct	*-72.83*	
		For >100, Deduct	*-117.55*	
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	809.84	78.56
		For 7 Ply Cold Press Construction, Deduct	*-13.05*	
		For Stave Lumber Core (SLC), Add	*489.54*	
		For Structural Composite Lumber Core (SCLC), Add	*293.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,125.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.26*	
		For >25 To 50, Deduct	*-37.89*	
		For >50 To 100, Deduct	*-72.83*	
		For >100, Deduct	*-117.55*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	817.17	82.13
		For 7 Ply Cold Press Construction, Deduct	*-13.06*	
		For Stave Lumber Core (SLC), Add	*489.69*	
		For Structural Composite Lumber Core (SCLC), Add	*293.81*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,126.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*78.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*352.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*489.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*783.50*	
		For >25 To 50, Deduct	*-38.44*	
		For >50 To 100, Deduct	*-73.56*	
		For >100, Deduct	*-118.47*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	823.92	82.13
		For 7 Ply Cold Press Construction, Deduct	*-13.19*	
		For Stave Lumber Core (SLC), Add	*494.75*	
		For Structural Composite Lumber Core (SCLC), Add	*296.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,137.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*79.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*356.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*494.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*791.60*	
		For >25 To 50, Deduct	*-38.71*	
		For >50 To 100, Deduct	*-74.15*	
		For >100, Deduct	*-119.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	841.50	82.13
		For 7 Ply Cold Press Construction, Deduct	*-13.55*	
		For Stave Lumber Core (SLC), Add	*507.94*	
		For Structural Composite Lumber Core (SCLC), Add	*304.76*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,168.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*365.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*507.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*812.70*	
		For >25 To 50, Deduct	*-39.41*	
		For >50 To 100, Deduct	*-75.68*	
		For >100, Deduct	*-122.12*	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	866.20	85.70
		For 7 Ply Cold Press Construction, Deduct	*-13.90*	
		For Stave Lumber Core (SLC), Add	*521.10*	
		For Structural Composite Lumber Core (SCLC), Add	*312.66*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,198.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*83.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*375.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*521.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*833.76*	
		For >25 To 50, Deduct	*-40.65*	
		For >50 To 100, Deduct	*-77.94*	
		For >100, Deduct	*-125.65*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	911.86	85.70
		For 7 Ply Cold Press Construction, Deduct	*-14.81*	
		For Stave Lumber Core (SLC), Add	*555.35*	
		For Structural Composite Lumber Core (SCLC), Add	*333.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,277.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*399.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*555.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*888.55*	
		For >25 To 50, Deduct	*-42.47*	
		For >50 To 100, Deduct	*-81.93*	
		For >100, Deduct	*-132.49*	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,111.56	89.27
		For 7 Ply Cold Press Construction, Deduct	*-18.66*	
		For Stave Lumber Core (SLC), Add	*699.77*	
		For Structural Composite Lumber Core (SCLC), Add	*419.86*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,609.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*111.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*503.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*699.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,119.62*	
		For >25 To 50, Deduct	*-50.71*	
		For >50 To 100, Deduct	*-99.49*	
		For >100, Deduct	*-162.27*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,158.21	89.27
		For 7 Ply Cold Press Construction, Deduct	*-19.59*	
		For Stave Lumber Core (SLC), Add	*734.75*	
		For Structural Composite Lumber Core (SCLC), Add	*440.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,689.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*117.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*529.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*734.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,175.60*	
		For >25 To 50, Deduct	*-52.58*	
		For >50 To 100, Deduct	*-103.58*	
		For >100, Deduct	*-169.27*	
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,251.55	89.27
		For 7 Ply Cold Press Construction, Deduct	*-21.46*	
		For Stave Lumber Core (SLC), Add	*804.76*	
		For Structural Composite Lumber Core (SCLC), Add	*482.85*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,850.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*128.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*579.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*804.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,287.61*	
		For >25 To 50, Deduct	*-56.31*	
		For >50 To 100, Deduct	*-111.74*	
		For >100, Deduct	*-183.27*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	937.13	78.56
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.01*	
		For Structural Composite Lumber Core (SCLC), Add	*351.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.01*	
		For >25 To 50, Deduct	*-42.98*	
		For >50 To 100, Deduct	*-83.96*	
		For >100, Deduct	*-136.64*	
		For 9' Door Height, Add	*163.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	937.13	78.56
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.01*	
		For Structural Composite Lumber Core (SCLC), Add	*351.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.01*	
		For >25 To 50, Deduct	*-42.98*	
		For >50 To 100, Deduct	*-83.96*	
		For >100, Deduct	*-136.64*	
		For 9' Door Height, Add	*163.80*	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	944.49	82.13
		For 7 Ply Cold Press Construction, Deduct	*-15.60*	
		For Stave Lumber Core (SLC), Add	*585.18*	
		For Structural Composite Lumber Core (SCLC), Add	*351.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,345.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*93.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*421.33*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*585.18*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*936.29*	
		For >25 To 50, Deduct	*-43.53*	
		For >50 To 100, Deduct	*-84.70*	
		For >100, Deduct	*-137.57*	
		For 9' Door Height, Add	*163.85*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	952.55	82.13
		For 7 Ply Cold Press Construction, Deduct	*-15.77*	
		For Stave Lumber Core (SLC), Add	*591.23*	
		For Structural Composite Lumber Core (SCLC), Add	*354.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,359.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*94.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*425.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*591.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*945.96*	
		For >25 To 50, Deduct	*-43.85*	
		For >50 To 100, Deduct	*-85.40*	
		For >100, Deduct	*-138.78*	
		For 9' Door Height, Add	*165.54*	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	973.56	82.13
		For 7 Ply Cold Press Construction, Deduct	*-16.19*	
		For Stave Lumber Core (SLC), Add	*606.98*	
		For Structural Composite Lumber Core (SCLC), Add	*364.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,396.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*606.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*971.17*	
		For >25 To 50, Deduct	*-44.69*	
		For >50 To 100, Deduct	*-87.24*	
		For >100, Deduct	*-141.93*	
		For 9' Door Height, Add	*169.96*	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,001.71	85.70
		For 7 Ply Cold Press Construction, Deduct	*-16.61*	
		For Stave Lumber Core (SLC), Add	*622.73*	
		For Structural Composite Lumber Core (SCLC), Add	*373.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,432.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*99.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*448.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*622.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*996.37*	
		For >25 To 50, Deduct	*-46.07*	
		For >50 To 100, Deduct	*-89.79*	
		For >100, Deduct	*-145.97*	
		For 9' Door Height, Add	*174.37*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,056.26	85.70
		For 7 Ply Cold Press Construction, Deduct	*-17.70*	
		For Stave Lumber Core (SLC), Add	*663.65*	
		For Structural Composite Lumber Core (SCLC), Add	*398.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,526.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*106.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*477.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*663.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,061.83*	
		For >25 To 50, Deduct	*-48.25*	
		For >50 To 100, Deduct	*-94.57*	
		For >100, Deduct	*-154.15*	
		For 9' Door Height, Add	*185.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,293.52	89.27
		For 7 Ply Cold Press Construction, Deduct	*-22.30*	
		For Stave Lumber Core (SLC), Add	*836.24*	
		For Structural Composite Lumber Core (SCLC), Add	*501.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,923.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*133.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*602.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*836.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,337.98*	
		For >25 To 50, Deduct	*-57.99*	
		For >50 To 100, Deduct	*-115.41*	
		For >100, Deduct	*-189.56*	
		For 9' Door Height, Add	*234.15*	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,349.26	89.27
		For 7 Ply Cold Press Construction, Deduct	*-23.41*	
		For Stave Lumber Core (SLC), Add	*878.04*	
		For Structural Composite Lumber Core (SCLC), Add	*526.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*2,019.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*140.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*632.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*878.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,404.86*	
		For >25 To 50, Deduct	*-60.22*	
		For >50 To 100, Deduct	*-120.29*	
		For >100, Deduct	*-197.93*	
		For 9' Door Height, Add	*245.85*	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,460.79	89.27
		For 7 Ply Cold Press Construction, Deduct	*-25.65*	
		For Stave Lumber Core (SLC), Add	*961.69*	
		For Structural Composite Lumber Core (SCLC), Add	*577.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*2,211.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*153.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*692.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*961.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,538.70*	
		For >25 To 50, Deduct	*-64.68*	
		For >50 To 100, Deduct	*-130.05*	
		For >100, Deduct	*-214.66*	
		For 9' Door Height, Add	*269.27*	

08 14 16 00-0627 Lauan Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0628	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.47	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*274.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.22*	
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-29.66*	
		For >100, Deduct	*-43.54*	
08 14 16 00-0629	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.47	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*274.88*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.22*	
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-29.66*	
		For >100, Deduct	*-43.54*	
08 14 16 00-0630	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	324.06	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*275.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.77*	
		For >25 To 50, Deduct	*-18.71*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-44.50*	
08 14 16 00-0631	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	328.65	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*283.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.28*	
		For >25 To 50, Deduct	*-18.89*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.19*	
08 14 16 00-0632	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	330.31	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*286.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.27*	
		For >25 To 50, Deduct	*-18.96*	
		For >50 To 100, Deduct	*-30.96*	
		For >100, Deduct	*-45.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0633	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	339.12	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*289.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*90.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*125.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*201.26*	
		For >25 To 50, Deduct	*-19.56*	
		For >50 To 100, Deduct	*-31.82*	
		For >100, Deduct	*-46.58*	
08 14 16 00-0634	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	354.28	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*315.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*137.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*219.46*	
		For >25 To 50, Deduct	*-20.17*	
		For >50 To 100, Deduct	*-33.14*	
		For >100, Deduct	*-48.86*	
08 14 16 00-0635	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	374.46	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*337.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.10*	
		For >25 To 50, Deduct	*-21.23*	
		For >50 To 100, Deduct	*-35.00*	
		For >100, Deduct	*-51.71*	
08 14 16 00-0636	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	384.26	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*354.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*246.86*	
		For >25 To 50, Deduct	*-21.62*	
		For >50 To 100, Deduct	*-35.85*	
		For >100, Deduct	*-53.18*	
08 14 16 00-0637	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	403.86	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*388.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.38*	
		For >25 To 50, Deduct	*-22.40*	
		For >50 To 100, Deduct	*-37.57*	
		For >100, Deduct	*-56.12*	
08 14 16 00-0638	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	325.73	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*290.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.33*	
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-30.47*	
		For >100, Deduct	*-44.93*	
08 14 16 00-0639	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	325.73	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*290.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.33*	
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-30.47*	
		For >100, Deduct	*-44.93*	
08 14 16 00-0640	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	333.35	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*291.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*126.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*202.92*	
		For >25 To 50, Deduct	*-19.08*	
		For >50 To 100, Deduct	*-31.22*	
		For >100, Deduct	*-45.90*	
08 14 16 00-0641	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	338.21	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*300.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*208.75*	
		For >25 To 50, Deduct	*-19.28*	
		For >50 To 100, Deduct	*-31.65*	
		For >100, Deduct	*-46.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0642	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	339.98	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*303.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*210.88*	
		For >25 To 50, Deduct	*-19.35*	
		For >50 To 100, Deduct	*-31.80*	
		For >100, Deduct	*-46.89*	
08 14 16 00-0643	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	348.88	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*306.15*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*212.98*	
		For >25 To 50, Deduct	*-19.95*	
		For >50 To 100, Deduct	*-32.67*	
		For >100, Deduct	*-48.05*	
08 14 16 00-0644	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	364.92	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*333.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.22*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.22*	
		For >25 To 50, Deduct	*-20.60*	
		For >50 To 100, Deduct	*-34.07*	
		For >100, Deduct	*-50.45*	
08 14 16 00-0645	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	385.86	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*357.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.78*	
		For >25 To 50, Deduct	*-21.68*	
		For >50 To 100, Deduct	*-35.99*	
		For >100, Deduct	*-53.42*	
08 14 16 00-0646	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	396.23	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*375.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.23*	
		For >25 To 50, Deduct	*-22.10*	
		For >50 To 100, Deduct	*-36.90*	
		For >100, Deduct	*-54.97*	
08 14 16 00-0647	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	416.97	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*411.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*178.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*286.12*	
		For >25 To 50, Deduct	*-22.93*	
		For >50 To 100, Deduct	*-38.72*	
		For >100, Deduct	*-58.08*	
08 14 16 00-0648	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.60	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*347.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.78*	
		For >25 To 50, Deduct	*-19.84*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.86*	
		For 9' Door Height, Add	*42.31*	
08 14 16 00-0649	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.60	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*347.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.78*	
		For >25 To 50, Deduct	*-19.84*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.86*	
		For 9' Door Height, Add	*42.31*	
08 14 16 00-0650	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	366.32	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*348.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.48*	
		For >25 To 50, Deduct	*-20.40*	
		For >50 To 100, Deduct	*-34.11*	
		For >100, Deduct	*-50.84*	
		For 9' Door Height, Add	*42.43*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0651 EA 2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	372.14	82.13
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*358.61*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.95*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*112.26*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.92*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*249.47*	
For >25 To 50, Deduct	*-20.63*	
For >50 To 100, Deduct	*-34.62*	
For >100, Deduct	*-51.71*	
For 9' Door Height, Add	*43.66*	
08 14 16 00-0652 EA 2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	374.25	82.13
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*362.25*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.20*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.40*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.50*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*252.00*	
For >25 To 50, Deduct	*-20.72*	
For >50 To 100, Deduct	*-34.80*	
For >100, Deduct	*-52.03*	
For 9' Door Height, Add	*44.10*	
08 14 16 00-0653 EA 3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	383.50	85.70
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*365.87*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.45*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.53*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.08*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.52*	
For >25 To 50, Deduct	*-21.34*	
For >50 To 100, Deduct	*-35.70*	
For >100, Deduct	*-53.24*	
For 9' Door Height, Add	*44.54*	
08 14 16 00-0654 EA 3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	402.66	85.70
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*398.92*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.75*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.88*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.45*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.51*	
For >25 To 50, Deduct	*-22.11*	
For >50 To 100, Deduct	*-37.38*	
For >100, Deduct	*-56.11*	
For 9' Door Height, Add	*48.56*	
08 14 16 00-0655 EA 3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	426.29	89.27
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*427.37*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.73*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*133.79*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*185.81*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*297.30*	
For >25 To 50, Deduct	*-23.30*	
For >50 To 100, Deduct	*-39.53*	
For >100, Deduct	*-59.48*	
For 9' Door Height, Add	*52.03*	
08 14 16 00-0656 EA 3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	438.67	89.27
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*448.72*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.22*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.47*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.10*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.16*	
For >25 To 50, Deduct	*-23.80*	
For >50 To 100, Deduct	*-40.62*	
For >100, Deduct	*-61.34*	
For 9' Door Height, Add	*54.63*	
08 14 16 00-0657 EA 4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	463.47	89.27
For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*491.50*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.19*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.86*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.70*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.92*	
For >25 To 50, Deduct	*-24.79*	
For >50 To 100, Deduct	*-42.79*	
For >100, Deduct	*-65.06*	
For 9' Door Height, Add	*59.84*	

08 14 16 00-0658 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0659 EA 2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.39	78.56
For Stave Lumber Core (SLC), Add	*103.70*	
For Structural Composite Lumber Core (SCLC), Add	*62.22*	
For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.59*	
For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*74.67*	
For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*103.70*	
For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*165.92*	
For >25 To 50, Deduct	*-17.31*	
For >50 To 100, Deduct	*-27.81*	
For >100, Deduct	*-40.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0660	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.39	78.56
		For Stave Lumber Core (SLC), Add	*103.70*	
		For Structural Composite Lumber Core (SCLC), Add	*62.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*74.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*103.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*165.92*	
		For >25 To 50, Deduct	*-17.31*	
		For >50 To 100, Deduct	*-27.81*	
		For >100, Deduct	*-40.38*	
08 14 16 00-0661	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	310.53	82.13
		For Stave Lumber Core (SLC), Add	*109.71*	
		For Structural Composite Lumber Core (SCLC), Add	*65.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.55*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*78.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.54*	
		For >25 To 50, Deduct	*-18.17*	
		For >50 To 100, Deduct	*-29.22*	
		For >100, Deduct	*-42.47*	
08 14 16 00-0662	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	318.52	82.13
		For Stave Lumber Core (SLC), Add	*115.70*	
		For Structural Composite Lumber Core (SCLC), Add	*69.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*115.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*185.12*	
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-29.92*	
		For >100, Deduct	*-43.67*	
08 14 16 00-0663	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	320.00	82.13
		For Stave Lumber Core (SLC), Add	*116.81*	
		For Structural Composite Lumber Core (SCLC), Add	*70.09*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.69*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.90*	
		For >25 To 50, Deduct	*-18.55*	
		For >50 To 100, Deduct	*-30.05*	
		For >100, Deduct	*-43.89*	
08 14 16 00-0664	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	328.66	85.70
		For Stave Lumber Core (SLC), Add	*117.95*	
		For Structural Composite Lumber Core (SCLC), Add	*70.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*117.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*188.71*	
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-45.01*	
08 14 16 00-0665	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	346.00	85.70
		For Stave Lumber Core (SLC), Add	*130.95*	
		For Structural Composite Lumber Core (SCLC), Add	*78.57*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*130.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.52*	
		For >25 To 50, Deduct	*-19.84*	
		For >50 To 100, Deduct	*-32.42*	
		For >100, Deduct	*-47.62*	
08 14 16 00-0666	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	384.79	89.27
		For Stave Lumber Core (SLC), Add	*154.69*	
		For Structural Composite Lumber Core (SCLC), Add	*92.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*154.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*247.50*	
		For >25 To 50, Deduct	*-21.64*	
		For >50 To 100, Deduct	*-35.90*	
		For >100, Deduct	*-53.26*	
08 14 16 00-0667	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	395.11	89.27
		For Stave Lumber Core (SLC), Add	*162.43*	
		For Structural Composite Lumber Core (SCLC), Add	*97.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*259.88*	
		For >25 To 50, Deduct	*-22.05*	
		For >50 To 100, Deduct	*-36.80*	
		For >100, Deduct	*-54.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0668	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	415.72	89.27
		For Stave Lumber Core (SLC), Add	*177.89*	
		For Structural Composite Lumber Core (SCLC), Add	*106.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.62*	
		For >25 To 50, Deduct	*-22.88*	
		For >50 To 100, Deduct	*-38.61*	
		For >100, Deduct	*-57.89*	
08 14 16 00-0669	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.44	78.56
		For Stave Lumber Core (SLC), Add	*109.74*	
		For Structural Composite Lumber Core (SCLC), Add	*65.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.58*	
		For >25 To 50, Deduct	*-17.64*	
		For >50 To 100, Deduct	*-28.52*	
		For >100, Deduct	*-41.59*	
08 14 16 00-0670	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.44	78.56
		For Stave Lumber Core (SLC), Add	*109.74*	
		For Structural Composite Lumber Core (SCLC), Add	*65.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*79.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*109.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*175.58*	
		For >25 To 50, Deduct	*-17.64*	
		For >50 To 100, Deduct	*-28.52*	
		For >100, Deduct	*-41.59*	
08 14 16 00-0671	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	319.05	82.13
		For Stave Lumber Core (SLC), Add	*116.10*	
		For Structural Composite Lumber Core (SCLC), Add	*69.66*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*185.76*	
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-29.97*	
		For >100, Deduct	*-43.75*	
08 14 16 00-0672	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	327.50	82.13
		For Stave Lumber Core (SLC), Add	*122.44*	
		For Structural Composite Lumber Core (SCLC), Add	*73.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*195.90*	
		For >25 To 50, Deduct	*-18.85*	
		For >50 To 100, Deduct	*-30.71*	
		For >100, Deduct	*-45.02*	
08 14 16 00-0673	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	329.07	82.13
		For Stave Lumber Core (SLC), Add	*123.62*	
		For Structural Composite Lumber Core (SCLC), Add	*74.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.78*	
		For >25 To 50, Deduct	*-18.91*	
		For >50 To 100, Deduct	*-30.85*	
		For >100, Deduct	*-45.25*	
08 14 16 00-0674	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	337.82	85.70
		For Stave Lumber Core (SLC), Add	*124.82*	
		For Structural Composite Lumber Core (SCLC), Add	*74.89*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*124.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*199.70*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-31.70*	
		For >100, Deduct	*-46.39*	
08 14 16 00-0675	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	356.15	85.70
		For Stave Lumber Core (SLC), Add	*138.56*	
		For Structural Composite Lumber Core (SCLC), Add	*83.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*221.70*	
		For >25 To 50, Deduct	*-20.25*	
		For >50 To 100, Deduct	*-33.31*	
		For >100, Deduct	*-49.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0676	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	396.79	89.27
		For Stave Lumber Core (SLC), Add	*163.69*	
		For Structural Composite Lumber Core (SCLC), Add	*98.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*163.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*261.90*	
		For >25 To 50, Deduct	*-22.12*	
		For >50 To 100, Deduct	*-36.95*	
		For >100, Deduct	*-55.06*	
08 14 16 00-0677	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	407.71	89.27
		For Stave Lumber Core (SLC), Add	*171.88*	
		For Structural Composite Lumber Core (SCLC), Add	*103.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*123.75*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*171.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.00*	
		For >25 To 50, Deduct	*-22.56*	
		For >50 To 100, Deduct	*-37.91*	
		For >100, Deduct	*-56.69*	
08 14 16 00-0678	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	429.53	89.27
		For Stave Lumber Core (SLC), Add	*188.24*	
		For Structural Composite Lumber Core (SCLC), Add	*112.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*188.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*301.19*	
		For >25 To 50, Deduct	*-23.43*	
		For >50 To 100, Deduct	*-39.82*	
		For >100, Deduct	*-59.97*	
08 14 16 00-0679	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	331.97	78.56
		For Stave Lumber Core (SLC), Add	*131.14*	
		For Structural Composite Lumber Core (SCLC), Add	*78.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.82*	
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-31.01*	
		For >100, Deduct	*-45.87*	
		For 9' Door Height, Add	*36.72*	
08 14 16 00-0680	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	331.97	78.56
		For Stave Lumber Core (SLC), Add	*131.14*	
		For Structural Composite Lumber Core (SCLC), Add	*78.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*94.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*131.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*209.82*	
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-31.01*	
		For >100, Deduct	*-45.87*	
		For 9' Door Height, Add	*36.72*	
08 14 16 00-0681	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.23	82.13
		For Stave Lumber Core (SLC), Add	*138.74*	
		For Structural Composite Lumber Core (SCLC), Add	*83.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*99.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*138.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*221.98*	
		For >25 To 50, Deduct	*-19.72*	
		For >50 To 100, Deduct	*-32.61*	
		For >100, Deduct	*-48.28*	
		For 9' Door Height, Add	*38.85*	
08 14 16 00-0682	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	359.35	82.13
		For Stave Lumber Core (SLC), Add	*146.33*	
		For Structural Composite Lumber Core (SCLC), Add	*87.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*234.12*	
		For >25 To 50, Deduct	*-20.12*	
		For >50 To 100, Deduct	*-33.50*	
		For >100, Deduct	*-49.80*	
		For 9' Door Height, Add	*40.97*	
08 14 16 00-0683	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	361.22	82.13
		For Stave Lumber Core (SLC), Add	*147.73*	
		For Structural Composite Lumber Core (SCLC), Add	*88.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.36*	
		For >25 To 50, Deduct	*-20.20*	
		For >50 To 100, Deduct	*-33.66*	
		For >100, Deduct	*-50.08*	
		For 9' Door Height, Add	*41.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0684	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	370.28	85.70
		For Stave Lumber Core (SLC), Add	*149.16*	
		For Structural Composite Lumber Core (SCLC), Add	*89.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.87*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.66*	
		For >25 To 50, Deduct	*-20.81*	
		For >50 To 100, Deduct	*-34.54*	
		For >100, Deduct	*-51.26*	
		For 9' Door Height, Add	*41.76*	
08 14 16 00-0685	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	392.18	85.70
		For Stave Lumber Core (SLC), Add	*165.59*	
		For Structural Composite Lumber Core (SCLC), Add	*99.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*119.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*165.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*264.94*	
		For >25 To 50, Deduct	*-21.69*	
		For >50 To 100, Deduct	*-36.46*	
		For >100, Deduct	*-54.54*	
		For 9' Door Height, Add	*46.36*	
08 14 16 00-0686	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	439.34	89.27
		For Stave Lumber Core (SLC), Add	*195.60*	
		For Structural Composite Lumber Core (SCLC), Add	*117.36*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*140.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*195.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*312.96*	
		For >25 To 50, Deduct	*-23.82*	
		For >50 To 100, Deduct	*-40.67*	
		For >100, Deduct	*-61.44*	
		For 9' Door Height, Add	*54.77*	
08 14 16 00-0687	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	452.40	89.27
		For Stave Lumber Core (SLC), Add	*205.40*	
		For Structural Composite Lumber Core (SCLC), Add	*123.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*147.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*205.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*328.63*	
		For >25 To 50, Deduct	*-24.34*	
		For >50 To 100, Deduct	*-41.82*	
		For >100, Deduct	*-63.40*	
		For 9' Door Height, Add	*57.51*	
08 14 16 00-0688	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	478.47	89.27
		For Stave Lumber Core (SLC), Add	*224.95*	
		For Structural Composite Lumber Core (SCLC), Add	*134.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*224.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*359.92*	
		For >25 To 50, Deduct	*-25.39*	
		For >50 To 100, Deduct	*-44.10*	
		For >100, Deduct	*-67.31*	
		For 9' Door Height, Add	*62.99*	

08 14 16 00-0689 2-1/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

08 14 16 00-0690 Birch Faced Wood Doors *(08 14 16 00-0689)*

08 14 16 00-0691	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	399.64	78.56
08 14 16 00-0692	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	399.64	78.56
08 14 16 00-0693	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	419.45	82.13
08 14 16 00-0694	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	430.07	82.13
08 14 16 00-0695	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	437.20	82.13
08 14 16 00-0696	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	451.39	85.70
08 14 16 00-0697	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	482.19	85.70
08 14 16 00-0698	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	555.87	89.27
08 14 16 00-0699	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	574.76	89.27
08 14 16 00-0700	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	626.75	96.41
08 14 16 00-0701	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	413.75	78.56
08 14 16 00-0702	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	413.75	78.56
08 14 16 00-0703	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	434.29	82.13
08 14 16 00-0704	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	445.55	82.13
08 14 16 00-0705	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	453.07	82.13
08 14 16 00-0706	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	467.68	85.70
08 14 16 00-0707	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	500.27	85.70
08 14 16 00-0708	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	577.83	89.27
08 14 16 00-0709	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	597.81	89.27
08 14 16 00-0710	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	652.01	96.41
08 14 16 00-0711	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	465.08	78.56
08 14 16 00-0712	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	465.08	78.56
08 14 16 00-0713	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	488.31	82.13
08 14 16 00-0714	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	501.81	82.13
08 14 16 00-0715	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	510.84	82.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0716	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	526.93	85.70
08 14 16 00-0717	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	566.05	85.70
08 14 16 00-0718	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	657.70	89.27
08 14 16 00-0719	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	681.68	89.27
08 14 16 00-0720	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	743.84	96.41
08 14 16 00-0721		**Oak Faced Wood Doors** *(08 14 16 00-0689)*		
08 14 16 00-0722	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	673.97	78.56
08 14 16 00-0723	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	673.97	78.56
08 14 16 00-0724	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	681.10	82.13
08 14 16 00-0725	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	686.46	82.13
08 14 16 00-0726	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	688.85	82.13
08 14 16 00-0727	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	698.38	85.70
08 14 16 00-0728	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	756.30	85.70
08 14 16 00-0729	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	912.49	89.27
08 14 16 00-0730	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	949.69	89.27
08 14 16 00-0731	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,036.88	96.41
08 14 16 00-0732	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	704.07	78.56
08 14 16 00-0733	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	704.07	78.56
08 14 16 00-0734	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	711.20	82.13
08 14 16 00-0735	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	716.84	82.13
08 14 16 00-0736	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	719.38	82.13
08 14 16 00-0737	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	729.07	85.70
08 14 16 00-0738	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	790.33	85.70
08 14 16 00-0739	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	955.21	89.27
08 14 16 00-0740	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	994.56	89.27
08 14 16 00-0741	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,085.99	96.41
08 14 16 00-0742	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	813.45	78.56
08 14 16 00-0743	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	813.45	78.56
08 14 16 00-0744	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	820.58	82.13
08 14 16 00-0745	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	827.37	82.13
08 14 16 00-0746	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	830.39	82.13
08 14 16 00-0747	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	840.59	85.70
08 14 16 00-0748	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	914.12	85.70
08 14 16 00-0749	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,110.53	89.27
08 14 16 00-0750	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,157.77	89.27
08 14 16 00-0751	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,264.61	96.41
08 14 16 00-0752		**Maple Faced Wood Doors** *(08 14 16 00-0689)*		
08 14 16 00-0753	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	593.69	78.56
08 14 16 00-0754	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	593.69	78.56
08 14 16 00-0755	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.82	82.13
08 14 16 00-0756	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	605.35	82.13
08 14 16 00-0757	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	607.36	82.13
08 14 16 00-0758	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	616.52	85.70
08 14 16 00-0759	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	665.43	85.70
08 14 16 00-0760	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	767.47	89.27
08 14 16 00-0761	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	829.49	89.27
08 14 16 00-0762	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	891.50	89.27
08 14 16 00-0763	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.10	78.56
08 14 16 00-0764	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	619.10	78.56
08 14 16 00-0765	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	626.23	82.13
08 14 16 00-0766	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	631.00	82.13
08 14 16 00-0767	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	633.13	82.13
08 14 16 00-0768	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	642.43	85.70
08 14 16 00-0769	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	694.19	85.70
08 14 16 00-0770	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	801.76	89.27
08 14 16 00-0771	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	867.94	89.27
08 14 16 00-0772	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	932.97	89.27
08 14 16 00-0773	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	711.48	78.56
08 14 16 00-0774	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	711.48	78.56
08 14 16 00-0775	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	718.61	82.13
08 14 16 00-0776	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	724.34	82.13
08 14 16 00-0777	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	726.91	82.13
08 14 16 00-0778	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	736.64	85.70
08 14 16 00-0779	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	798.73	85.70
08 14 16 00-0780	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	926.38	89.27
08 14 16 00-0781	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	1,005.15	89.27
08 14 16 00-0782	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	1,083.85	89.27
08 14 16 00-0783		**1-3/8" Thick, Wood French Doors** *(08 14 16)*		
08 14 16 00-0784	EA	2'-0" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	350.35	74.98
08 14 16 00-0785	EA	2'-6" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	374.43	78.56
08 14 16 00-0786	EA	3'-0" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	405.64	85.70
08 14 16 00-0787	EA	3'-6" x 7' x 1-3/8" Thick, 12 or 15 lite, Birch Faced French Door	455.09	89.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0788		1-3/4" Thick, Particleboard Core (PC), Wood Dutch Doors *(08 14 16)*		
08 14 16 00-0789		Birch Faced Dutch Door With Single Shelf *(08 14 16 00-0788)*		
08 14 16 00-0790	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	442.40	82.13
08 14 16 00-0791	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	455.70	82.13
08 14 16 00-0792	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	461.55	82.13
08 14 16 00-0793	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	483.59	85.70
08 14 16 00-0794	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	518.01	85.70
08 14 16 00-0795	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	584.48	89.27
08 14 16 00-0796	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	600.01	89.27
08 14 16 00-0797	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Single Shelf	631.06	89.27
08 14 16 00-0798		Birch Faced Dutch Door With Double Shelf *(08 14 16 00-0788)*		
08 14 16 00-0799	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	510.52	82.13
08 14 16 00-0800	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	528.34	82.13
08 14 16 00-0801	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	534.19	82.13
08 14 16 00-0802	EA	3'-0 x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	565.33	85.70
08 14 16 00-0803	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	608.86	85.70
08 14 16 00-0804	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	679.85	89.27
08 14 16 00-0805	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	695.37	89.27
08 14 16 00-0806	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Dutch Door With Double Shelf	726.42	89.27
08 14 16 00-0807		Oak Faced Dutch Door With Single Shelf *(08 14 16 00-0788)*		
08 14 16 00-0808	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	657.79	82.13
08 14 16 00-0809	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	666.70	82.13
08 14 16 00-0810	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	686.90	85.70
08 14 16 00-0811	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	743.61	85.70
08 14 16 00-0812	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Single Shelf	877.99	89.27
08 14 16 00-0813		Oak Faced Dutch Door With Double Shelf *(08 14 16 00-0788)*		
08 14 16 00-0814	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	725.90	82.13
08 14 16 00-0815	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	739.35	82.13
08 14 16 00-0816	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	768.64	85.70
08 14 16 00-0817	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	834.46	85.70
08 14 16 00-0818	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Dutch Door With Double Shelf	973.35	89.27
08 14 16 00-0819		Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*		
08 14 16 00-0820	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	78.30	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*26.08*	
08 14 16 00-0821	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	117.45	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*26.08*	
08 14 16 00-0822		Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*		
08 14 16 00-0823	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,495.53	62.85
08 14 16 00-0824	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,495.53	196.12
08 14 16 00-0825	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,495.53	62.85
08 14 23		**Clad Wood Doors** *(08 14)*		
08 14 23 13		**Metal-Faced Wood Doors** *(08 14 23)* See CSI section 08 70 00 00-0000 for finish hardware.		
08 14 23 13-0001		24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*		
08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	748.87	175.69
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	803.34	192.83
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	866.53	212.83
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	903.89	219.96
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	971.18	242.10
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	1,044.86	249.96
08 14 23 16		**Plastic-Laminate-Faced Wood Doors** *(08 14 23)*		
08 14 23 16-0001		1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)* Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.03	78.56
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For 5 Ply Construction, Add	*6.65*	
		For >25 To 50, Deduct	*-19.38*	
		For >50 To 100, Deduct	*-32.33*	
		For >100, Deduct	*-48.13*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	347.03	78.56
		For Structural Composite Lumber Core (SCLC), Add	*85.46*	
		For 5 Ply Construction, Add	*6.65*	
		For >25 To 50, Deduct	*-19.38*	
		For >50 To 100, Deduct	*-32.33*	
		For >100, Deduct	*-48.13*	
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	364.61	82.13
		For Structural Composite Lumber Core (SCLC), Add	*90.16*	
		For 5 Ply Construction, Add	*7.01*	
		For >25 To 50, Deduct	*-20.33*	
		For >50 To 100, Deduct	*-33.96*	
		For >100, Deduct	*-50.59*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	375.05	82.13
		For Structural Composite Lumber Core (SCLC), Add	*94.86*	
		For 5 Ply Construction, Add	*7.38*	
		For >25 To 50, Deduct	*-20.75*	
		For >50 To 100, Deduct	*-34.87*	
		For >100, Deduct	*-52.15*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	380.33	82.13
		For Structural Composite Lumber Core (SCLC), Add	*97.24*	
		For 5 Ply Construction, Add	*7.56*	
		For >25 To 50, Deduct	*-20.96*	
		For >50 To 100, Deduct	*-35.33*	
		For >100, Deduct	*-52.94*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	392.72	85.70
		For Structural Composite Lumber Core (SCLC), Add	*99.59*	
		For 5 Ply Construction, Add	*7.75*	
		For >25 To 50, Deduct	*-21.71*	
		For >50 To 100, Deduct	*-36.51*	
		For >100, Deduct	*-54.62*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	417.05	85.70
		For Structural Composite Lumber Core (SCLC), Add	*110.54*	
		For 5 Ply Construction, Add	*8.60*	
		For >25 To 50, Deduct	*-22.68*	
		For >50 To 100, Deduct	*-38.63*	
		For >100, Deduct	*-58.27*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	439.91	89.27
		For Structural Composite Lumber Core (SCLC), Add	*117.62*	
		For 5 Ply Construction, Add	*9.15*	
		For >25 To 50, Deduct	*-23.85*	
		For >50 To 100, Deduct	*-40.72*	
		For >100, Deduct	*-61.52*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	358.09	78.56
		For Structural Composite Lumber Core (SCLC), Add	*90.44*	
		For 5 Ply Construction, Add	*7.03*	
		For >25 To 50, Deduct	*-19.82*	
		For >50 To 100, Deduct	*-33.30*	
		For >100, Deduct	*-49.79*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	358.08	78.56
		For Structural Composite Lumber Core (SCLC), Add	*90.43*	
		For 5 Ply Construction, Add	*7.03*	
		For >25 To 50, Deduct	*-19.82*	
		For >50 To 100, Deduct	*-33.30*	
		For >100, Deduct	*-49.78*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	376.27	82.13
		For Structural Composite Lumber Core (SCLC), Add	*95.41*	
		For 5 Ply Construction, Add	*7.42*	
		For >25 To 50, Deduct	*-20.80*	
		For >50 To 100, Deduct	*-34.98*	
		For >100, Deduct	*-52.33*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	387.32	82.13
		For Structural Composite Lumber Core (SCLC), Add	*100.38*	
		For 5 Ply Construction, Add	*7.81*	
		For >25 To 50, Deduct	*-21.24*	
		For >50 To 100, Deduct	*-35.94*	
		For >100, Deduct	*-53.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	392.89	82.13
		For Structural Composite Lumber Core (SCLC), Add	*102.89*	
		For 5 Ply Construction, Add	*8.00*	
		For >25 To 50, Deduct	*-21.46*	
		For >50 To 100, Deduct	*-36.43*	
		For >100, Deduct	*-54.83*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	405.60	85.70
		For Structural Composite Lumber Core (SCLC), Add	*105.39*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-22.22*	
		For >50 To 100, Deduct	*-37.63*	
		For >100, Deduct	*-56.56*	
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	431.35	85.70
		For Structural Composite Lumber Core (SCLC), Add	*116.98*	
		For 5 Ply Construction, Add	*9.10*	
		For >25 To 50, Deduct	*-23.25*	
		For >50 To 100, Deduct	*-39.89*	
		For >100, Deduct	*-60.42*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	455.12	89.27
		For Structural Composite Lumber Core (SCLC), Add	*124.46*	
		For 5 Ply Construction, Add	*9.68*	
		For >25 To 50, Deduct	*-24.45*	
		For >50 To 100, Deduct	*-42.05*	
		For >100, Deduct	*-63.80*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	397.27	78.56
		For Structural Composite Lumber Core (SCLC), Add	*108.07*	
		For 5 Ply Construction, Add	*8.41*	
		For >25 To 50, Deduct	*-21.39*	
		For >50 To 100, Deduct	*-36.73*	
		For >100, Deduct	*-55.66*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	397.27	78.56
		For Structural Composite Lumber Core (SCLC), Add	*108.07*	
		For 5 Ply Construction, Add	*8.41*	
		For >25 To 50, Deduct	*-21.39*	
		For >50 To 100, Deduct	*-36.73*	
		For >100, Deduct	*-55.66*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	417.62	82.13
		For Structural Composite Lumber Core (SCLC), Add	*114.02*	
		For 5 Ply Construction, Add	*8.87*	
		For >25 To 50, Deduct	*-22.45*	
		For >50 To 100, Deduct	*-38.59*	
		For >100, Deduct	*-58.54*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	430.83	82.13
		For Structural Composite Lumber Core (SCLC), Add	*119.96*	
		For 5 Ply Construction, Add	*9.33*	
		For >25 To 50, Deduct	*-22.98*	
		For >50 To 100, Deduct	*-39.75*	
		For >100, Deduct	*-60.52*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	437.48	82.13
		For Structural Composite Lumber Core (SCLC), Add	*122.95*	
		For 5 Ply Construction, Add	*9.56*	
		For >25 To 50, Deduct	*-23.25*	
		For >50 To 100, Deduct	*-40.33*	
		For >100, Deduct	*-61.52*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	451.27	85.70
		For Structural Composite Lumber Core (SCLC), Add	*125.94*	
		For 5 Ply Construction, Add	*9.80*	
		For >25 To 50, Deduct	*-24.05*	
		For >50 To 100, Deduct	*-41.63*	
		For >100, Deduct	*-63.41*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	482.03	85.70
		For Structural Composite Lumber Core (SCLC), Add	*139.78*	
		For 5 Ply Construction, Add	*10.87*	
		For >25 To 50, Deduct	*-25.28*	
		For >50 To 100, Deduct	*-44.32*	
		For >100, Deduct	*-68.02*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	509.05	89.27
		For Structural Composite Lumber Core (SCLC), Add	*148.73*	
		For 5 Ply Construction, Add	*11.57*	
		For >25 To 50, Deduct	*-26.61*	
		For >50 To 100, Deduct	*-46.77*	
		For >100, Deduct	*-71.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0026		1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*		
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	480.68	78.56
		For 5 Ply Construction, Add	*11.32*	
		For Stave Lumber Core (SLC), Add	*242.67*	
		For Structural Composite Lumber Core (SCLC), Add	*145.60*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*558.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.27*	
		For >25 To 50, Deduct	*-24.73*	
		For >50 To 100, Deduct	*-44.02*	
		For >100, Deduct	*-68.17*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	480.66	78.56
		For 5 Ply Construction, Add	*11.32*	
		For Stave Lumber Core (SLC), Add	*242.66*	
		For Structural Composite Lumber Core (SCLC), Add	*145.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*558.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*174.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*242.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*388.25*	
		For >25 To 50, Deduct	*-24.73*	
		For >50 To 100, Deduct	*-44.02*	
		For >100, Deduct	*-68.17*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	497.91	82.13
		For 5 Ply Construction, Add	*11.68*	
		For Stave Lumber Core (SLC), Add	*250.25*	
		For Structural Composite Lumber Core (SCLC), Add	*150.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*575.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.39*	
		For >25 To 50, Deduct	*-25.67*	
		For >50 To 100, Deduct	*-45.62*	
		For >100, Deduct	*-70.58*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	497.91	82.13
		For 5 Ply Construction, Add	*11.68*	
		For Stave Lumber Core (SLC), Add	*250.25*	
		For Structural Composite Lumber Core (SCLC), Add	*150.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*575.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.04*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.39*	
		For >25 To 50, Deduct	*-25.67*	
		For >50 To 100, Deduct	*-45.62*	
		For >100, Deduct	*-70.58*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	517.95	82.13
		For 5 Ply Construction, Add	*12.38*	
		For Stave Lumber Core (SLC), Add	*265.28*	
		For Structural Composite Lumber Core (SCLC), Add	*159.17*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*610.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*191.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*265.28*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*424.44*	
		For >25 To 50, Deduct	*-26.47*	
		For >50 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-73.59*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	545.14	85.70
		For 5 Ply Construction, Add	*13.08*	
		For Stave Lumber Core (SLC), Add	*280.31*	
		For Structural Composite Lumber Core (SCLC), Add	*168.18*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*644.70*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*201.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.31*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*448.49*	
		For >25 To 50, Deduct	*-27.80*	
		For >50 To 100, Deduct	*-49.84*	
		For >100, Deduct	*-77.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	565.62	85.70
		For 5 Ply Construction, Add	*13.80*	
		For Stave Lumber Core (SLC), Add	*295.67*	
		For Structural Composite Lumber Core (SCLC), Add	*177.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*680.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*212.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.06*	
		For >25 To 50, Deduct	*-28.62*	
		For >50 To 100, Deduct	*-51.63*	
		For >100, Deduct	*-80.56*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	582.99	89.27
		For 5 Ply Construction, Add	*14.16*	
		For Stave Lumber Core (SLC), Add	*303.34*	
		For Structural Composite Lumber Core (SCLC), Add	*182.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*697.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*218.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*303.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*485.34*	
		For >25 To 50, Deduct	*-29.57*	
		For >50 To 100, Deduct	*-53.24*	
		For >100, Deduct	*-82.99*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	603.20	89.27
		For 5 Ply Construction, Add	*14.86*	
		For Stave Lumber Core (SLC), Add	*318.50*	
		For Structural Composite Lumber Core (SCLC), Add	*191.10*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*732.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.96*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*318.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*509.59*	
		For >25 To 50, Deduct	*-30.38*	
		For >50 To 100, Deduct	*-55.01*	
		For >100, Deduct	*-86.02*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	657.94	96.41
		For 5 Ply Construction, Add	*16.28*	
		For Stave Lumber Core (SLC), Add	*348.83*	
		For Structural Composite Lumber Core (SCLC), Add	*209.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*802.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.81*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*251.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*348.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*558.13*	
		For >25 To 50, Deduct	*-33.07*	
		For >50 To 100, Deduct	*-59.98*	
		For >100, Deduct	*-93.87*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	499.51	78.56
		For 5 Ply Construction, Add	*11.98*	
		For Stave Lumber Core (SLC), Add	*256.79*	
		For Structural Composite Lumber Core (SCLC), Add	*154.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*590.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.87*	
		For >25 To 50, Deduct	*-25.48*	
		For >50 To 100, Deduct	*-45.67*	
		For >100, Deduct	*-71.00*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	499.49	78.56
		For 5 Ply Construction, Add	*11.98*	
		For Stave Lumber Core (SLC), Add	*256.78*	
		For Structural Composite Lumber Core (SCLC), Add	*154.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*590.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*184.88*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*256.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*410.84*	
		For >25 To 50, Deduct	*-25.48*	
		For >50 To 100, Deduct	*-45.67*	
		For >100, Deduct	*-71.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	517.34	82.13
		For 5 Ply Construction, Add	*12.36*	
		For Stave Lumber Core (SLC), Add	*264.82*	
		For Structural Composite Lumber Core (SCLC), Add	*158.89*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*609.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.71*	
		For >25 To 50, Deduct	*-26.44*	
		For >50 To 100, Deduct	*-47.32*	
		For >100, Deduct	*-73.49*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	517.34	82.13
		For 5 Ply Construction, Add	*12.36*	
		For Stave Lumber Core (SLC), Add	*264.82*	
		For Structural Composite Lumber Core (SCLC), Add	*158.89*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*609.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*190.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*264.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*423.71*	
		For >25 To 50, Deduct	*-26.44*	
		For >50 To 100, Deduct	*-47.32*	
		For >100, Deduct	*-73.49*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	538.54	82.13
		For 5 Ply Construction, Add	*13.10*	
		For Stave Lumber Core (SLC), Add	*280.72*	
		For Structural Composite Lumber Core (SCLC), Add	*168.43*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*645.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*44.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*280.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.15*	
		For >25 To 50, Deduct	*-27.29*	
		For >50 To 100, Deduct	*-49.18*	
		For >100, Deduct	*-76.67*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.90	85.70
		For 5 Ply Construction, Add	*13.84*	
		For Stave Lumber Core (SLC), Add	*296.63*	
		For Structural Composite Lumber Core (SCLC), Add	*177.98*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*682.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*474.60*	
		For >25 To 50, Deduct	*-28.68*	
		For >50 To 100, Deduct	*-51.75*	
		For >100, Deduct	*-80.75*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	588.55	85.70
		For 5 Ply Construction, Add	*14.60*	
		For Stave Lumber Core (SLC), Add	*312.86*	
		For Structural Composite Lumber Core (SCLC), Add	*187.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*719.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*225.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*312.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*500.58*	
		For >25 To 50, Deduct	*-29.54*	
		For >50 To 100, Deduct	*-53.64*	
		For >100, Deduct	*-84.00*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	606.52	89.27
		For 5 Ply Construction, Add	*14.98*	
		For Stave Lumber Core (SLC), Add	*320.99*	
		For Structural Composite Lumber Core (SCLC), Add	*192.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*738.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*231.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*513.58*	
		For >25 To 50, Deduct	*-30.51*	
		For >50 To 100, Deduct	*-55.30*	
		For >100, Deduct	*-86.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	627.92	89.27
		For 5 Ply Construction, Add	*15.73*	
		For Stave Lumber Core (SLC), Add	*337.04*	
		For Structural Composite Lumber Core (SCLC), Add	*202.22*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*775.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.93*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*242.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*337.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*539.26*	
		For >25 To 50, Deduct	*-31.37*	
		For >50 To 100, Deduct	*-57.17*	
		For >100, Deduct	*-89.72*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	685.01	96.41
		For 5 Ply Construction, Add	*17.23*	
		For Stave Lumber Core (SLC), Add	*369.14*	
		For Structural Composite Lumber Core (SCLC), Add	*221.48*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*849.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*265.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*369.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*590.62*	
		For >25 To 50, Deduct	*-34.15*	
		For >50 To 100, Deduct	*-62.35*	
		For >100, Deduct	*-97.93*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.28	78.56
		For 5 Ply Construction, Add	*14.32*	
		For Stave Lumber Core (SLC), Add	*306.87*	
		For Structural Composite Lumber Core (SCLC), Add	*184.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*705.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.99*	
		For >25 To 50, Deduct	*-28.15*	
		For >50 To 100, Deduct	*-51.51*	
		For >100, Deduct	*-81.01*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	566.26	78.56
		For 5 Ply Construction, Add	*14.32*	
		For Stave Lumber Core (SLC), Add	*306.86*	
		For Structural Composite Lumber Core (SCLC), Add	*184.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*705.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*220.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*306.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*490.97*	
		For >25 To 50, Deduct	*-28.15*	
		For >50 To 100, Deduct	*-51.51*	
		For >100, Deduct	*-81.01*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	586.19	82.13
		For 5 Ply Construction, Add	*14.77*	
		For Stave Lumber Core (SLC), Add	*316.46*	
		For Structural Composite Lumber Core (SCLC), Add	*189.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*727.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*506.33*	
		For >25 To 50, Deduct	*-29.20*	
		For >50 To 100, Deduct	*-53.34*	
		For >100, Deduct	*-83.82*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	586.19	82.13
		For 5 Ply Construction, Add	*14.77*	
		For Stave Lumber Core (SLC), Add	*316.46*	
		For Structural Composite Lumber Core (SCLC), Add	*189.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*727.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*506.33*	
		For >25 To 50, Deduct	*-29.20*	
		For >50 To 100, Deduct	*-53.34*	
		For >100, Deduct	*-83.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	611.52	82.13
		For 5 Ply Construction, Add	*15.65*	
		For Stave Lumber Core (SLC), Add	*335.45*	
		For Structural Composite Lumber Core (SCLC), Add	*201.27*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*771.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*536.72*	
		For >25 To 50, Deduct	*-30.21*	
		For >50 To 100, Deduct	*-55.56*	
		For >100, Deduct	*-87.62*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	644.02	85.70
		For 5 Ply Construction, Add	*16.54*	
		For Stave Lumber Core (SLC), Add	*354.47*	
		For Structural Composite Lumber Core (SCLC), Add	*212.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*815.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*354.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*567.14*	
		For >25 To 50, Deduct	*-31.76*	
		For >50 To 100, Deduct	*-58.49*	
		For >100, Deduct	*-92.32*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	669.90	85.70
		For 5 Ply Construction, Add	*17.45*	
		For Stave Lumber Core (SLC), Add	*373.88*	
		For Structural Composite Lumber Core (SCLC), Add	*224.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*859.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*269.19*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*373.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*598.20*	
		For >25 To 50, Deduct	*-32.80*	
		For >50 To 100, Deduct	*-60.76*	
		For >100, Deduct	*-96.20*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	689.98	89.27
		For 5 Ply Construction, Add	*17.90*	
		For Stave Lumber Core (SLC), Add	*383.58*	
		For Structural Composite Lumber Core (SCLC), Add	*230.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*882.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*61.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*276.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*383.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*613.73*	
		For >25 To 50, Deduct	*-33.85*	
		For >50 To 100, Deduct	*-62.61*	
		For >100, Deduct	*-99.03*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	715.54	89.27
		For 5 Ply Construction, Add	*18.80*	
		For Stave Lumber Core (SLC), Add	*402.75*	
		For Structural Composite Lumber Core (SCLC), Add	*241.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*926.33*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*289.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*402.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*644.40*	
		For >25 To 50, Deduct	*-34.87*	
		For >50 To 100, Deduct	*-64.84*	
		For >100, Deduct	*-102.87*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	780.98	96.41
		For 5 Ply Construction, Add	*20.59*	
		For Stave Lumber Core (SLC), Add	*441.11*	
		For Structural Composite Lumber Core (SCLC), Add	*264.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*1,014.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*317.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*441.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*705.78*	
		For >25 To 50, Deduct	*-37.99*	
		For >50 To 100, Deduct	*-70.75*	
		For >100, Deduct	*-112.33*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.15	78.56
		For >25 To 50, Deduct	*-15.79*	
		For >50 To 100, Deduct	*-24.46*	
		For >100, Deduct	*-34.64*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	257.15	78.56
		For >25 To 50, Deduct	*-15.79*	
		For >50 To 100, Deduct	*-24.46*	
		For >100, Deduct	*-34.64*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	271.57	82.13
		For >25 To 50, Deduct	*-16.61*	
		For >50 To 100, Deduct	*-25.82*	
		For >100, Deduct	*-36.63*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.05	82.13
		For >25 To 50, Deduct	*-16.75*	
		For >50 To 100, Deduct	*-26.12*	
		For >100, Deduct	*-37.15*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.49	82.13
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-26.42*	
		For >100, Deduct	*-37.67*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	289.12	85.70
		For >25 To 50, Deduct	*-17.56*	
		For >50 To 100, Deduct	*-27.44*	
		For >100, Deduct	*-39.08*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.04	85.70
		For >25 To 50, Deduct	*-18.08*	
		For >50 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-41.02*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	317.55	89.27
		For >25 To 50, Deduct	*-18.95*	
		For >50 To 100, Deduct	*-30.02*	
		For >100, Deduct	*-43.17*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.96	78.56
		For >25 To 50, Deduct	*-16.02*	
		For >50 To 100, Deduct	*-24.97*	
		For >100, Deduct	*-35.52*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	262.96	78.56
		For >25 To 50, Deduct	*-16.02*	
		For >50 To 100, Deduct	*-24.97*	
		For >100, Deduct	*-35.52*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	277.82	82.13
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-26.36*	
		For >100, Deduct	*-37.57*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.48	82.13
		For >25 To 50, Deduct	*-17.01*	
		For >50 To 100, Deduct	*-26.68*	
		For >100, Deduct	*-38.12*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	285.14	82.13
		For >25 To 50, Deduct	*-17.15*	
		For >50 To 100, Deduct	*-27.00*	
		For >100, Deduct	*-38.66*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.96	85.70
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-28.04*	
		For >100, Deduct	*-40.11*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	309.63	85.70
		For >25 To 50, Deduct	*-18.38*	
		For >50 To 100, Deduct	*-29.24*	
		For >100, Deduct	*-42.16*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	325.63	89.27
		For >25 To 50, Deduct	*-19.27*	
		For >50 To 100, Deduct	*-30.72*	
		For >100, Deduct	*-44.38*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.61	78.56
		For >25 To 50, Deduct	*-16.84*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-38.61*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	283.61	78.56
		For >25 To 50, Deduct	*-16.84*	
		For >50 To 100, Deduct	*-26.78*	
		For >100, Deduct	*-38.61*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.98	82.13
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.30*	
		For >100, Deduct	*-40.89*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.34	82.13
		For >25 To 50, Deduct	*-17.92*	
		For >50 To 100, Deduct	*-28.68*	
		For >100, Deduct	*-41.54*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	308.73	82.13
		For >25 To 50, Deduct	*-18.10*	
		For >50 To 100, Deduct	*-29.07*	
		For >100, Deduct	*-42.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.24	85.70
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-30.16*	
		For >100, Deduct	*-43.75*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	336.58	85.70
		For >25 To 50, Deduct	*-19.46*	
		For >50 To 100, Deduct	*-31.59*	
		For >100, Deduct	*-46.20*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.31	89.27
		For >25 To 50, Deduct	*-20.42*	
		For >50 To 100, Deduct	*-33.23*	
		For >100, Deduct	*-48.68*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.76	78.56
		For >25 To 50, Deduct	*-16.77*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-38.34*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.76	78.56
		For >25 To 50, Deduct	*-16.77*	
		For >50 To 100, Deduct	*-26.62*	
		For >100, Deduct	*-38.34*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	292.33	82.13
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-27.63*	
		For >100, Deduct	*-39.74*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.28	82.13
		For >25 To 50, Deduct	*-17.72*	
		For >50 To 100, Deduct	*-28.24*	
		For >100, Deduct	*-40.79*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.75	82.13
		For >25 To 50, Deduct	*-17.86*	
		For >50 To 100, Deduct	*-28.54*	
		For >100, Deduct	*-41.31*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	313.32	85.70
		For >25 To 50, Deduct	*-18.53*	
		For >50 To 100, Deduct	*-29.56*	
		For >100, Deduct	*-42.71*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.24	85.70
		For >25 To 50, Deduct	*-18.85*	
		For >50 To 100, Deduct	*-30.25*	
		For >100, Deduct	*-43.90*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.12	89.27
		For >25 To 50, Deduct	*-20.41*	
		For >50 To 100, Deduct	*-33.22*	
		For >100, Deduct	*-48.65*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	362.90	89.27
		For >25 To 50, Deduct	*-20.76*	
		For >50 To 100, Deduct	*-33.99*	
		For >100, Deduct	*-49.97*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	380.48	89.27
		For >25 To 50, Deduct	*-21.47*	
		For >50 To 100, Deduct	*-35.52*	
		For >100, Deduct	*-52.61*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	289.00	78.56
		For >25 To 50, Deduct	*-17.06*	
		For >50 To 100, Deduct	*-27.25*	
		For >100, Deduct	*-39.42*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	289.00	78.56
		For >25 To 50, Deduct	*-17.06*	
		For >50 To 100, Deduct	*-27.25*	
		For >100, Deduct	*-39.42*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	299.79	82.13
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-28.28*	
		For >100, Deduct	*-40.86*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	307.14	82.13
		For >25 To 50, Deduct	*-18.03*	
		For >50 To 100, Deduct	*-28.93*	
		For >100, Deduct	*-41.96*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.80	82.13
		For >25 To 50, Deduct	*-18.18*	
		For >50 To 100, Deduct	*-29.25*	
		For >100, Deduct	*-42.51*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.59	85.70
		For >25 To 50, Deduct	*-18.86*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-43.95*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	329.96	85.70
		For >25 To 50, Deduct	*-19.20*	
		For >50 To 100, Deduct	*-31.01*	
		For >100, Deduct	*-45.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	364.35	89.27
		For >25 To 50, Deduct	*-20.82*	
		For >50 To 100, Deduct	*-34.11*	
		For >100, Deduct	*-50.19*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	373.64	89.27
		For >25 To 50, Deduct	*-21.19*	
		For >50 To 100, Deduct	*-34.93*	
		For >100, Deduct	*-51.58*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	392.22	89.27
		For >25 To 50, Deduct	*-21.94*	
		For >50 To 100, Deduct	*-36.55*	
		For >100, Deduct	*-54.37*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.71	78.56
		For >25 To 50, Deduct	*-18.09*	
		For >50 To 100, Deduct	*-29.50*	
		For >100, Deduct	*-43.28*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.71	78.56
		For >25 To 50, Deduct	*-18.09*	
		For >50 To 100, Deduct	*-29.50*	
		For >100, Deduct	*-43.28*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.23	82.13
		For >25 To 50, Deduct	*-18.80*	
		For >50 To 100, Deduct	*-30.60*	
		For >100, Deduct	*-44.83*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	335.01	82.13
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-31.37*	
		For >100, Deduct	*-46.15*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.37	82.13
		For >25 To 50, Deduct	*-19.32*	
		For >50 To 100, Deduct	*-31.75*	
		For >100, Deduct	*-46.80*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.88	85.70
		For >25 To 50, Deduct	*-20.03*	
		For >50 To 100, Deduct	*-32.84*	
		For >100, Deduct	*-48.35*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	360.87	85.70
		For >25 To 50, Deduct	*-20.43*	
		For >50 To 100, Deduct	*-33.72*	
		For >100, Deduct	*-49.85*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	400.59	89.27
		For >25 To 50, Deduct	*-22.27*	
		For >50 To 100, Deduct	*-37.28*	
		For >100, Deduct	*-55.63*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	411.68	89.27
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-38.25*	
		For >100, Deduct	*-57.29*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	433.90	89.27
		For >25 To 50, Deduct	*-23.60*	
		For >50 To 100, Deduct	*-40.20*	
		For >100, Deduct	*-60.62*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	301.88	78.56
		For >25 To 50, Deduct	*-17.57*	
		For >50 To 100, Deduct	*-28.38*	
		For >100, Deduct	*-41.35*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	301.88	78.56
		For >25 To 50, Deduct	*-17.57*	
		For >50 To 100, Deduct	*-28.38*	
		For >100, Deduct	*-41.35*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	317.42	82.13
		For >25 To 50, Deduct	*-18.45*	
		For >50 To 100, Deduct	*-29.83*	
		For >100, Deduct	*-43.51*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	325.81	82.13
		For >25 To 50, Deduct	*-18.78*	
		For >50 To 100, Deduct	*-30.56*	
		For >100, Deduct	*-44.77*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	327.34	82.13
		For >25 To 50, Deduct	*-18.84*	
		For >50 To 100, Deduct	*-30.70*	
		For >100, Deduct	*-44.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	336.06	85.70
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-31.55*	
		For >100, Deduct	*-46.12*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.22	85.70
		For >25 To 50, Deduct	*-20.17*	
		For >50 To 100, Deduct	*-33.14*	
		For >100, Deduct	*-48.85*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	394.48	89.27
		For >25 To 50, Deduct	*-22.03*	
		For >50 To 100, Deduct	*-36.75*	
		For >100, Deduct	*-54.71*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.32	78.56
		For >25 To 50, Deduct	*-17.91*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-42.62*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.32	78.56
		For >25 To 50, Deduct	*-17.91*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-42.62*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	326.34	82.13
		For >25 To 50, Deduct	*-18.80*	
		For >50 To 100, Deduct	*-30.61*	
		For >100, Deduct	*-44.84*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	335.20	82.13
		For >25 To 50, Deduct	*-19.16*	
		For >50 To 100, Deduct	*-31.38*	
		For >100, Deduct	*-46.17*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	336.84	82.13
		For >25 To 50, Deduct	*-19.22*	
		For >50 To 100, Deduct	*-31.53*	
		For >100, Deduct	*-46.42*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	345.64	85.70
		For >25 To 50, Deduct	*-19.82*	
		For >50 To 100, Deduct	*-32.39*	
		For >100, Deduct	*-47.56*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	364.87	85.70
		For >25 To 50, Deduct	*-20.59*	
		For >50 To 100, Deduct	*-34.07*	
		For >100, Deduct	*-50.45*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	407.05	89.27
		For >25 To 50, Deduct	*-22.53*	
		For >50 To 100, Deduct	*-37.85*	
		For >100, Deduct	*-56.59*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.19	78.56
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-31.73*	
		For >100, Deduct	*-47.10*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.19	78.56
		For >25 To 50, Deduct	*-19.11*	
		For >50 To 100, Deduct	*-31.73*	
		For >100, Deduct	*-47.10*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.94	82.13
		For >25 To 50, Deduct	*-20.07*	
		For >50 To 100, Deduct	*-33.37*	
		For >100, Deduct	*-49.58*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	368.54	82.13
		For >25 To 50, Deduct	*-20.49*	
		For >50 To 100, Deduct	*-34.30*	
		For >100, Deduct	*-51.17*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	370.49	82.13
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-34.47*	
		For >100, Deduct	*-51.47*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	379.63	85.70
		For >25 To 50, Deduct	*-21.18*	
		For >50 To 100, Deduct	*-35.36*	
		For >100, Deduct	*-52.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	402.60	85.70
		For >25 To 50, Deduct	*-22.10*	
		For >50 To 100, Deduct	*-37.37*	
		For >100, Deduct	*-56.11*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	451.63	89.27
		For >25 To 50, Deduct	*-24.31*	
		For >50 To 100, Deduct	*-41.75*	
		For >100, Deduct	*-63.28*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.02	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*313.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.28*	
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-31.63*	
		For >100, Deduct	*-46.93*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	339.02	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*313.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*98.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*136.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*218.28*	
		For >25 To 50, Deduct	*-19.06*	
		For >50 To 100, Deduct	*-31.63*	
		For >100, Deduct	*-46.93*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	356.69	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*331.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.93*	
		For >25 To 50, Deduct	*-20.02*	
		For >50 To 100, Deduct	*-33.26*	
		For >100, Deduct	*-49.40*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	367.19	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*350.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.59*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.53*	
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-34.18*	
		For >100, Deduct	*-50.97*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	369.15	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*353.45*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.88*	
		For >25 To 50, Deduct	*-20.51*	
		For >50 To 100, Deduct	*-34.35*	
		For >100, Deduct	*-51.27*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	378.28	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*356.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.26*	
		For >25 To 50, Deduct	*-21.13*	
		For >50 To 100, Deduct	*-35.24*	
		For >100, Deduct	*-52.46*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	401.09	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*275.63*	
		For >25 To 50, Deduct	*-22.04*	
		For >50 To 100, Deduct	*-37.24*	
		For >100, Deduct	*-55.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	449.87	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*468.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*146.52*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*203.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*325.60*	
		For >25 To 50, Deduct	*-24.24*	
		For >50 To 100, Deduct	*-41.60*	
		For >100, Deduct	*-63.02*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	463.45	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*491.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*213.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*341.89*	
		For >25 To 50, Deduct	*-24.79*	
		For >50 To 100, Deduct	*-42.78*	
		For >100, Deduct	*-65.05*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	490.56	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*538.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*168.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*234.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*374.42*	
		For >25 To 50, Deduct	*-25.87*	
		For >50 To 100, Deduct	*-45.16*	
		For >100, Deduct	*-69.12*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.61	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*332.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.99*	
		For >25 To 50, Deduct	*-19.48*	
		For >50 To 100, Deduct	*-32.55*	
		For >100, Deduct	*-48.51*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	349.61	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*332.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.99*	
		For >25 To 50, Deduct	*-19.48*	
		For >50 To 100, Deduct	*-32.55*	
		For >100, Deduct	*-48.51*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	367.89	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*351.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*244.37*	
		For >25 To 50, Deduct	*-20.46*	
		For >50 To 100, Deduct	*-34.24*	
		For >100, Deduct	*-51.08*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	379.01	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*370.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*257.71*	
		For >25 To 50, Deduct	*-20.91*	
		For >50 To 100, Deduct	*-35.22*	
		For >100, Deduct	*-52.75*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	381.08	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*374.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*117.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*162.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*260.20*	
		For >25 To 50, Deduct	*-20.99*	
		For >50 To 100, Deduct	*-35.40*	
		For >100, Deduct	*-53.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	390.33	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*377.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*262.72*	
		For >25 To 50, Deduct	*-21.61*	
		For >50 To 100, Deduct	*-36.30*	
		For >100, Deduct	*-54.26*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	414.45	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*419.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*182.29*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*291.66*	
		For >25 To 50, Deduct	*-22.58*	
		For >50 To 100, Deduct	*-38.41*	
		For >100, Deduct	*-57.88*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	465.66	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*495.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*155.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*215.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*344.54*	
		For >25 To 50, Deduct	*-24.88*	
		For >50 To 100, Deduct	*-42.98*	
		For >100, Deduct	*-65.39*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	480.02	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*520.05*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*226.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*361.78*	
		For >25 To 50, Deduct	*-25.45*	
		For >50 To 100, Deduct	*-44.23*	
		For >100, Deduct	*-67.54*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	508.72	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*569.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*396.22*	
		For >25 To 50, Deduct	*-26.60*	
		For >50 To 100, Deduct	*-46.74*	
		For >100, Deduct	*-71.84*	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	387.14	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.02*	
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-35.84*	
		For >100, Deduct	*-54.14*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	387.14	78.56
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*396.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*172.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*276.02*	
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-35.84*	
		For >100, Deduct	*-54.14*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	407.60	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*419.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*131.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*182.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*292.02*	
		For >25 To 50, Deduct	*-22.05*	
		For >50 To 100, Deduct	*-37.72*	
		For >100, Deduct	*-57.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	420.91	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*442.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*138.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*192.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*307.99*	
		For >25 To 50, Deduct	*-22.59*	
		For >50 To 100, Deduct	*-38.88*	
		For >100, Deduct	*-59.03*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	423.37	82.13
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*446.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*194.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.94*	
		For >25 To 50, Deduct	*-22.68*	
		For >50 To 100, Deduct	*-39.10*	
		For >100, Deduct	*-59.40*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	433.03	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*451.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.40*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.28*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*313.96*	
		For >25 To 50, Deduct	*-23.32*	
		For >50 To 100, Deduct	*-40.03*	
		For >100, Deduct	*-60.67*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	461.84	85.70
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*501.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*156.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*217.83*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*348.53*	
		For >25 To 50, Deduct	*-24.47*	
		For >50 To 100, Deduct	*-42.55*	
		For >100, Deduct	*-64.99*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	521.63	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*591.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*185.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*257.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*411.71*	
		For >25 To 50, Deduct	*-27.11*	
		For >50 To 100, Deduct	*-47.87*	
		For >100, Deduct	*-73.78*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	538.82	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*621.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*194.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*270.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*432.34*	
		For >25 To 50, Deduct	*-27.80*	
		For >50 To 100, Deduct	*-49.38*	
		For >100, Deduct	*-76.36*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	573.11	89.27
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Solid Core, Add	*680.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*295.93*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.48*	
		For >25 To 50, Deduct	*-29.17*	
		For >50 To 100, Deduct	*-52.38*	
		For >100, Deduct	*-81.50*	

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	561.78	205.68
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	593.52	228.53
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	561.78	205.68
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	593.52	228.53

08 14 73 Sliding Wood Doors *(08 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 73 00-0001 Sliding Pocket Door *(08 14 73)*

Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.

08 14 73 00-0002 Birch Faced Pocket Door *(08 14 73 00-0001)*

Note: Includes door, frame and trim, and all mounting and door hardware.

08 14 73 00-0003 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0004 6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	544.23	49.99
		For Oak, Add	*122.62*	
		For Ash/Hickory, Add	*178.59*	
		For Walnut, Add	*260.34*	
		For Cherry, Add	*423.38*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	562.14	53.56
		For Oak, Add	*125.59*	
		For Ash/Hickory, Add	*182.92*	
		For Walnut, Add	*266.65*	
		For Cherry, Add	*433.64*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	582.73	57.14
		For Oak, Add	*129.31*	
		For Ash/Hickory, Add	*188.34*	
		For Walnut, Add	*274.54*	
		For Cherry, Add	*446.48*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	597.94	60.71
		For Oak, Add	*131.53*	
		For Ash/Hickory, Add	*191.58*	
		For Walnut, Add	*279.27*	
		For Cherry, Add	*454.17*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	618.58	64.28
		For Oak, Add	*135.25*	
		For Ash/Hickory, Add	*197.00*	
		For Walnut, Add	*287.16*	
		For Cherry, Add	*467.01*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	636.47	67.85
		For Oak, Add	*138.22*	
		For Ash/Hickory, Add	*201.32*	
		For Walnut, Add	*293.47*	
		For Cherry, Add	*477.26*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,067.06	89.27
		For Oak, Add	*245.23*	
		For Ash/Hickory, Add	*357.19*	
		For Walnut, Add	*520.67*	
		For Cherry, Add	*846.76*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,129.80	96.41
		For Oak, Add	*258.61*	
		For Ash/Hickory, Add	*376.67*	
		For Walnut, Add	*549.08*	
		For Cherry, Add	*892.95*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,208.73	103.56
		For Oak, Add	*276.44*	
		For Ash/Hickory, Add	*402.65*	
		For Walnut, Add	*586.94*	
		For Cherry, Add	*954.53*	

08 14 73 00-0014 7' High, 1-3/8" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0003)*

08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	638.47	49.99
		For Oak, Add	*126.01*	
		For Ash/Hickory, Add	*126.01*	
		For Walnut, Add	*207.32*	
		For Cherry, Add	*389.34*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	669.84	53.56
		For Oak, Add	*131.68*	
		For Ash/Hickory, Add	*131.68*	
		For Walnut, Add	*216.65*	
		For Cherry, Add	*406.85*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	693.12	57.14
		For Oak, Add	*135.46*	
		For Ash/Hickory, Add	*135.46*	
		For Walnut, Add	*222.87*	
		For Cherry, Add	*418.54*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	713.72	60.71
		For Oak, Add	*138.61*	
		For Ash/Hickory, Add	*138.61*	
		For Walnut, Add	*228.05*	
		For Cherry, Add	*428.27*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	731.66	64.28
		For Oak, Add	*141.13*	
		For Ash/Hickory, Add	*141.13*	
		For Walnut, Add	*232.20*	
		For Cherry, Add	*436.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	754.95	67.85
		For Oak, Add	*144.91*	
		For Ash/Hickory, Add	*144.91*	
		For Walnut, Add	*238.42*	
		For Cherry, Add	*447.74*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,255.54	89.27
		For Oak, Add	*252.02*	
		For Ash/Hickory, Add	*252.02*	
		For Walnut, Add	*414.65*	
		For Cherry, Add	*778.67*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,350.59	96.41
		For Oak, Add	*270.92*	
		For Ash/Hickory, Add	*270.92*	
		For Walnut, Add	*445.75*	
		For Cherry, Add	*837.07*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,445.67	103.56
		For Oak, Add	*289.82*	
		For Ash/Hickory, Add	*289.82*	
		For Walnut, Add	*476.84*	
		For Cherry, Add	*895.47*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	800.02	49.99
		For Oak, Add	*163.81*	
		For Ash/Hickory, Add	*163.81*	
		For Walnut, Add	*269.52*	
		For Cherry, Add	*506.14*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	839.47	53.56
		For Oak, Add	*171.37*	
		For Ash/Hickory, Add	*171.37*	
		For Walnut, Add	*281.96*	
		For Cherry, Add	*529.50*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	862.75	57.14
		For Oak, Add	*175.15*	
		For Ash/Hickory, Add	*175.15*	
		For Walnut, Add	*288.18*	
		For Cherry, Add	*541.18*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	888.73	60.71
		For Oak, Add	*179.56*	
		For Ash/Hickory, Add	*179.56*	
		For Walnut, Add	*295.43*	
		For Cherry, Add	*554.80*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	912.06	64.28
		For Oak, Add	*183.34*	
		For Ash/Hickory, Add	*183.34*	
		For Walnut, Add	*301.66*	
		For Cherry, Add	*566.48*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	935.34	67.85
		For Oak, Add	*187.12*	
		For Ash/Hickory, Add	*187.12*	
		For Walnut, Add	*307.87*	
		For Cherry, Add	*578.16*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,578.64	89.27
		For Oak, Add	*327.62*	
		For Ash/Hickory, Add	*327.62*	
		For Walnut, Add	*539.04*	
		For Cherry, Add	*1,012.27*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,689.84	96.41
		For Oak, Add	*350.31*	
		For Ash/Hickory, Add	*350.31*	
		For Walnut, Add	*576.36*	
		For Cherry, Add	*1,082.35*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,806.46	103.56
		For Oak, Add	*374.25*	
		For Ash/Hickory, Add	*374.25*	
		For Walnut, Add	*615.75*	
		For Cherry, Add	*1,156.32*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	853.87	49.99
		For Oak, Add	*176.41*	
		For Ash/Hickory, Add	*176.41*	
		For Walnut, Add	*290.25*	
		For Cherry, Add	*545.07*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	898.71	53.56
		For Oak, Add	*185.23*	
		For Ash/Hickory, Add	*185.23*	
		For Walnut, Add	*304.77*	
		For Cherry, Add	*572.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	924.67	57.14
		For Oak, Add	*189.64*	
		For Ash/Hickory, Add	*189.64*	
		For Walnut, Add	*312.02*	
		For Cherry, Add	*585.95*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	950.66	60.71
		For Oak, Add	*194.05*	
		For Ash/Hickory, Add	*194.05*	
		For Walnut, Add	*319.28*	
		For Cherry, Add	*599.58*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	973.98	64.28
		For Oak, Add	*197.83*	
		For Ash/Hickory, Add	*197.83*	
		For Walnut, Add	*325.49*	
		For Cherry, Add	*611.25*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	999.96	67.85
		For Oak, Add	*202.24*	
		For Ash/Hickory, Add	*202.24*	
		For Walnut, Add	*332.75*	
		For Cherry, Add	*624.88*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,686.34	89.27
		For Oak, Add	*352.83*	
		For Ash/Hickory, Add	*352.83*	
		For Walnut, Add	*580.50*	
		For Cherry, Add	*1,090.14*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,813.69	96.41
		For Oak, Add	*379.29*	
		For Ash/Hickory, Add	*379.29*	
		For Walnut, Add	*624.04*	
		For Cherry, Add	*1,171.90*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,935.70	103.56
		For Oak, Add	*404.49*	
		For Ash/Hickory, Add	*404.49*	
		For Walnut, Add	*665.50*	
		For Cherry, Add	*1,249.76*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	907.72	49.99
		For Oak, Add	*189.01*	
		For Ash/Hickory, Add	*189.01*	
		For Walnut, Add	*310.98*	
		For Cherry, Add	*584.00*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	952.55	53.56
		For Oak, Add	*197.83*	
		For Ash/Hickory, Add	*197.83*	
		For Walnut, Add	*325.49*	
		For Cherry, Add	*611.25*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	981.21	57.14
		For Oak, Add	*202.87*	
		For Ash/Hickory, Add	*202.87*	
		For Walnut, Add	*333.79*	
		For Cherry, Add	*626.83*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,009.89	60.71
		For Oak, Add	*207.91*	
		For Ash/Hickory, Add	*207.91*	
		For Walnut, Add	*342.08*	
		For Cherry, Add	*642.40*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,033.22	64.28
		For Oak, Add	*211.70*	
		For Ash/Hickory, Add	*211.70*	
		For Walnut, Add	*348.30*	
		For Cherry, Add	*654.08*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,061.89	67.85
		For Oak, Add	*216.74*	
		For Ash/Hickory, Add	*216.74*	
		For Walnut, Add	*356.59*	
		For Cherry, Add	*669.66*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,794.04	89.27
		For Oak, Add	*378.03*	
		For Ash/Hickory, Add	*378.03*	
		For Walnut, Add	*621.97*	
		For Cherry, Add	*1,168.01*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,926.78	96.41
		For Oak, Add	*405.75*	
		For Ash/Hickory, Add	*405.75*	
		For Walnut, Add	*667.58*	
		For Cherry, Add	*1,253.66*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,059.56	103.56
		For Oak, Add	*433.47*	
		For Ash/Hickory, Add	*433.47*	
		For Walnut, Add	*713.19*	
		For Cherry, Add	*1,339.31*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 14 73 00-0056 Jamb Replacement *(08 14 73 00-0055)*

08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	158.57	
		For Oak, Add	*9.85*	
		For Ash/Hickory, Add	*15.43*	
		For Walnut, Add	*33.73*	
		For Cherry, Add	*53.43*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	161.38	
		For Oak, Add	*10.17*	
		For Ash/Hickory, Add	*15.92*	
		For Walnut, Add	*34.82*	
		For Cherry, Add	*55.15*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	179.66	
		For Oak, Add	*12.23*	
		For Ash/Hickory, Add	*19.16*	
		For Walnut, Add	*41.89*	
		For Cherry, Add	*66.36*	

08 14 73 00-0060 Track And Hardware Replacement Kits *(08 14 73 00-0055)*

Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.

08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	315.15	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	317.75	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	322.95	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	372.36	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	374.96	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	380.16	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	398.36	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	400.96	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	406.16	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	47.43	

08 14 73 00-0071 Bi-Pass Doors *(08 14 73)*

Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 Lb. maximum door weight (each opening).

08 14 73 00-0072 Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	509.44	114.23
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	558.84	121.37
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	608.83	128.51
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	827.71	135.65

08 14 73 00-0077 Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	476.89	114.23
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	508.09	121.37
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	552.97	128.51
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	762.61	135.65

08 14 73 00-0082 Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	535.49	114.23
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	590.62	121.37
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	646.67	128.51
08 14 73 00-0086	EA	8' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	879.81	135.65

08 14 73 00-0087 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0088	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	896.71	114.23
08 14 73 00-0089	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	986.56	121.37
08 14 73 00-0090	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	1,126.92	128.51
08 14 73 00-0091	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors	1,602.25	135.65

08 14 73 00-0092 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0093	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	1,236.02	114.23
08 14 73 00-0094	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	1,300.74	121.37
08 14 73 00-0095	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	1,407.59	128.51
08 14 73 00-0096	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors	2,280.88	135.65

08 14 73 00-0097 Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors *(08 14 73 00-0071)*

08 14 73 00-0098	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	510.35	114.23
08 14 73 00-0099	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	556.58	121.37
08 14 73 00-0100	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	605.07	128.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0101	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	829.54	135.65

08 14 76 Bifolding Wood Doors *(08 14)*

08 14 76 00-0001 Bi-Fold Wood Doors *(08 14 76)*
Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.

08 14 76 00-0002 Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	264.62	85.67
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	290.88	92.81
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	312.69	99.96
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	326.97	107.09
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	415.91	114.23
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	432.88	121.37
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	470.49	128.51

08 14 76 00-0010 Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	651.00	85.67
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	742.76	92.81
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	847.11	99.96
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	861.39	107.09
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,187.75	114.23
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,357.03	121.37
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,551.44	128.51

08 14 76 00-0018 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*

08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	829.03	85.67
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	899.85	92.81
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	983.25	99.96
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	997.53	107.09
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,543.82	114.23
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,671.21	121.37
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,823.72	128.51

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*
Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*
Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,687.94	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,936.61	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,315.25	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,687.94	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,034.86	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,419.64	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,375.69	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,466.75	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,093.06	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,375.69	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,786.07	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,211.78	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,375.69	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,466.75	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,093.06	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0028 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,375.69	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,786.07	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,211.78	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0032 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0033 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*

08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,375.69	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,466.75	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,093.06	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0037 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*

08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,375.69	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,786.07	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,211.78	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0041 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0042 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*

08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,898.77	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0044 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*

08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,898.77	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0046 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*

08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.52
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.53
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.70
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.68
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.35
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.51
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	14.33
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	18.42
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	38.89
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	42.98
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	83.92

08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*

08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*

Note: White, tan, brown or gray finish. Includes factory hardware prep.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0060		**Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061		**6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0060)*		
08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,821.25	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,860.59	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,998.71	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0065		**7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0060)*		
08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,821.25	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,984.42	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,998.71	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0069		**Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0059)* Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		**45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0069)*		
08 16 13 00-0071		**6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0070)*		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,678.79	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,775.10	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,002.38	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0075		**7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0070)*		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,678.79	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,809.77	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,108.88	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0079		**60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0069)*		
08 16 13 00-0080		**6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)** *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,678.79	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,775.10	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,002.38	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0084 7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*

08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,678.79	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,809.77	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,108.88	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0088 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0089 6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*

08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,678.79	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,775.10	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,002.38	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0093 7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*

08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,678.79	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,809.77	89.27
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	5,108.88	96.41
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0097 Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0098 6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,192.76	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0100 7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*

08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,192.76	85.70
		For Custom Color Finish, Add	*191.38*	
		For Stainless Steel Continuous Hinge, Add	*426.00*	

08 16 13 00-0102 Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.17	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.20	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.27	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.82	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.72	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.15	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	9.91	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	12.38	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	39.63	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	141.17	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	54.49	

08 16 13 00-0114 Galvanized Insulated Poly Core Composite Doors *(08 16 13)*

08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,449.82	85.70

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001 Pre-Hung Interior Door Units *(08 17 23)*

Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.

08 17 23 00-0002 Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0003 Birch Faced *(08 17 23 00-0002)*

08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	430.02	89.27
		For 8' Door Height, Add	*60.36*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	445.47	89.27
		For 8' Door Height, Add	*64.06*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	468.08	92.84
		For 8' Door Height, Add	*67.78*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	479.82	96.41
		For 8' Door Height, Add	*68.88*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	507.85	96.41
		For 8' Door Height, Add	*75.60*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	535.16	99.99
		For 8' Door Height, Add	*80.45*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	795.77	146.41
		For 8' Door Height, Add	*120.71*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	848.11	157.12
		For 8' Door Height, Add	*128.13*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	909.65	167.83
		For 8' Door Height, Add	*137.76*	

08 17 23 00-0013 Lauan Faced *(08 17 23 00-0002)*

08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	388.70	89.27
		For 8' Door Height, Add	*50.44*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	402.96	89.27
		For 8' Door Height, Add	*53.86*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	422.11	92.84
		For 8' Door Height, Add	*56.74*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	437.75	96.41
		For 8' Door Height, Add	*58.78*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	461.17	96.41
		For 8' Door Height, Add	*64.40*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	496.90	99.99
		For 8' Door Height, Add	*71.26*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	713.16	146.41
		For 8' Door Height, Add	*100.88*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	763.00	157.12
		For 8' Door Height, Add	*107.71*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	825.57	167.83
		For 8' Door Height, Add	*117.58*	

08 17 23 00-0023 Tempered Hardboard Faced *(08 17 23 00-0002)*

08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	349.89	89.27
		For 8' Door Height, Add	*41.12*	
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	362.39	89.27
		For 8' Door Height, Add	*44.12*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	375.46	92.84
		For 8' Door Height, Add	*45.55*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	394.46	96.41
		For 8' Door Height, Add	*48.39*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	416.62	96.41
		For 8' Door Height, Add	*53.71*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	428.93	99.99
		For 8' Door Height, Add	*54.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	622.32	146.41
		For 8' Door Height, Add	*79.08*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	681.90	157.12
		For 8' Door Height, Add	*88.24*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	738.91	167.83
		For 8' Door Height, Add	*96.78*	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0034 Birch Faced *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	562.88	89.27
		For 8' Door Height, Add	*92.24*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	583.10	89.27
		For 8' Door Height, Add	*97.09*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	610.40	92.84
		For 8' Door Height, Add	*101.93*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	642.15	96.41
		For 8' Door Height, Add	*107.84*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	691.49	96.41
		For 8' Door Height, Add	*119.68*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	742.23	99.99
		For 8' Door Height, Add	*130.14*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,061.50	146.41
		For 8' Door Height, Add	*184.48*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,123.33	157.12
		For 8' Door Height, Add	*194.19*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,234.31	167.83
		For 8' Door Height, Add	*215.68*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	482.41	89.27
		For 8' Door Height, Add	*72.93*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	499.12	89.27
		For 8' Door Height, Add	*76.94*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	522.94	92.84
		For 8' Door Height, Add	*80.94*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	546.94	96.41
		For 8' Door Height, Add	*84.99*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	585.89	96.41
		For 8' Door Height, Add	*94.34*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	618.19	99.99
		For 8' Door Height, Add	*100.37*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	900.54	146.41
		For 8' Door Height, Add	*145.85*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	955.39	157.12
		For 8' Door Height, Add	*153.88*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,043.89	167.83
		For 8' Door Height, Add	*169.98*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	465.35	89.27
		For 8' Door Height, Add	*68.83*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	481.96	89.27
		For 8' Door Height, Add	*72.82*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	505.76	92.84
		For 8' Door Height, Add	*76.82*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	519.06	96.41
		For 8' Door Height, Add	*78.30*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	555.03	96.41
		For 8' Door Height, Add	*86.93*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	585.38	99.99
		For 8' Door Height, Add	*92.50*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	866.43	146.41
		For 8' Door Height, Add	*137.67*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	921.04	157.12
		For 8' Door Height, Add	*145.64*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	988.11	167.83
		For 8' Door Height, Add	*156.59*	

08 17 23 00-0064 Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0065 Birch Faced *(08 17 23 00-0064)*

08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	492.85	89.27
		For 8' Door Height, Add	*75.43*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	504.71	89.27
		For 8' Door Height, Add	*78.28*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	516.24	92.84
		For 8' Door Height, Add	*79.33*	
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	542.72	96.41
		For 8' Door Height, Add	*83.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	594.05	96.41
		For 8' Door Height, Add	*96.30*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	661.16	99.99
		For 8' Door Height, Add	*110.68*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	921.48	146.41
		For 8' Door Height, Add	*150.87*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	966.57	157.12
		For 8' Door Height, Add	*156.56*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	1,035.49	167.83
		For 8' Door Height, Add	*167.96*	

08 17 23 00-0075 Lauan Faced *(08 17 23 00-0064)*

08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	445.52	89.27
		For 8' Door Height, Add	*64.08*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	463.91	89.27
		For 8' Door Height, Add	*68.49*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	485.99	92.84
		For 8' Door Height, Add	*72.07*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	499.04	96.41
		For 8' Door Height, Add	*73.49*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	532.70	96.41
		For 8' Door Height, Add	*81.57*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	561.60	99.99
		For 8' Door Height, Add	*86.79*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	826.79	146.41
		For 8' Door Height, Add	*128.15*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	884.98	157.12
		For 8' Door Height, Add	*136.98*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	948.11	167.83
		For 8' Door Height, Add	*146.99*	

08 17 23 00-0085 Tempered Hardboard Faced *(08 17 23 00-0064)*

08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	392.02	89.27
		For 8' Door Height, Add	*51.24*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	397.97	89.27
		For 8' Door Height, Add	*52.66*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	416.98	92.84
		For 8' Door Height, Add	*55.51*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	435.98	96.41
		For 8' Door Height, Add	*58.36*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	449.53	96.41
		For 8' Door Height, Add	*61.61*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	462.60	99.99
		For 8' Door Height, Add	*63.03*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	703.31	146.41
		For 8' Door Height, Add	*98.52*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	753.09	157.12
		For 8' Door Height, Add	*105.33*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	822.00	167.83
		For 8' Door Height, Add	*116.72*	

08 17 23 00-0095 Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*

08 17 23 00-0096 Birch Faced *(08 17 23 00-0095)*

08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	621.73	89.27
		For 8' Door Height, Add	*106.37*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	640.19	89.27
		For 8' Door Height, Add	*110.80*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	653.50	92.84
		For 8' Door Height, Add	*112.28*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	679.09	96.41
		For 8' Door Height, Add	*116.70*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	732.59	96.41
		For 8' Door Height, Add	*129.54*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	793.74	99.99
		For 8' Door Height, Add	*142.51*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,179.20	146.41
		For 8' Door Height, Add	*212.74*	
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,237.51	157.12
		For 8' Door Height, Add	*221.59*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,308.22	167.83
		For 8' Door Height, Add	*233.41*	

08 17 23 00-0106 Lauan Faced *(08 17 23 00-0095)*

08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	592.15	89.27
		For 8' Door Height, Add	*99.27*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	593.36	89.27
		For 8' Door Height, Add	*99.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	612.41	92.84
		For 8' Door Height, Add	*102.42*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	628.18	96.41
		For 8' Door Height, Add	*104.49*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	667.53	96.41
		For 8' Door Height, Add	*113.93*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	705.05	99.99
		For 8' Door Height, Add	*121.22*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,120.07	146.41
		For 8' Door Height, Add	*198.54*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,143.85	157.12
		For 8' Door Height, Add	*199.11*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,206.39	167.83
		For 8' Door Height, Add	*208.97*	

08 17 23 00-0116 Tempered Hardboard Faced *(08 17 23 00-0095)*

08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	529.40	89.27
		For 8' Door Height, Add	*84.21*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	535.53	89.27
		For 8' Door Height, Add	*85.68*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	548.85	92.84
		For 8' Door Height, Add	*87.16*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	568.32	96.41
		For 8' Door Height, Add	*90.12*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	595.86	96.41
		For 8' Door Height, Add	*96.73*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	628.80	99.99
		For 8' Door Height, Add	*102.92*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	994.52	146.41
		For 8' Door Height, Add	*168.41*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	1,028.22	157.12
		For 8' Door Height, Add	*171.36*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	1,086.63	167.83
		For 8' Door Height, Add	*180.23*	

08 17 23 00-0126 Oak Or Maple Faced *(08 17 23 00-0095)*

08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	970.24	89.27
		For 8' Door Height, Add	*190.01*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	975.07	89.27
		For 8' Door Height, Add	*191.17*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,023.14	92.84
		For 8' Door Height, Add	*200.99*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,040.97	96.41
		For 8' Door Height, Add	*203.55*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,132.91	96.41
		For 8' Door Height, Add	*225.62*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,248.99	99.99
		For 8' Door Height, Add	*251.77*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,876.23	146.41
		For 8' Door Height, Add	*380.03*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,907.34	157.12
		For 8' Door Height, Add	*382.34*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	2,031.96	167.83
		For 8' Door Height, Add	*407.11*	

08 17 23 00-0136 Walnut Faced *(08 17 23 00-0095)*

08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,217.49	89.27
		For 8' Door Height, Add	*249.35*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,260.69	89.27
		For 8' Door Height, Add	*259.72*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,282.31	92.84
		For 8' Door Height, Add	*263.19*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,332.71	96.41
		For 8' Door Height, Add	*273.57*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,458.12	96.41
		For 8' Door Height, Add	*303.67*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,591.89	99.99
		For 8' Door Height, Add	*334.06*	
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,370.72	146.41
		For 8' Door Height, Add	*498.70*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,478.52	157.12
		For 8' Door Height, Add	*519.43*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,615.45	167.83
		For 8' Door Height, Add	*547.15*	

08 18 Glass Doors *(08 10)*

08 18 16 Sliding Glass Doors *(08 18)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0001		**Sliding Aluminum-Framed Glass Doors** *(08 18 16)*		
08 18 16 00-0002		**Residential Sliding Aluminum-Framed Glass Doors** *(08 18 16 00-0001)*		
08 18 16 00-0003		**5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors** *(08 18 16 00-0002)*		
08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	57.61	6.42
		For Custom Quality, Add	*10.15*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*7.31*	
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	48.73	4.00
		For Custom Quality, Add	*9.70*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.99*	
08 18 16 00-0006		**1" Insulating Glass, Sliding Aluminum-Framed Glass Doors** *(08 18 16 00-0002)*		
08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	64.89	6.42
		For Custom Quality, Add	*11.97*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.62*	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	55.90	4.00
		For Custom Quality, Add	*11.50*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.28*	
08 18 16 00-0009		**Sliding Plastic-Framed Glass Doors** *(08 18 16)*		
08 18 16 00-0010		**Sliding Vinyl-Framed Glass Doors** *(08 18 16 00-0009)*		
08 18 16 00-0011		**Vinyl Sliding Glass Doors (Pella Vinyl 10 Series)** *(08 18 16 00-0010)* Note: Includes white solid vinyl interior and exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0012	EA	5' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series)	1,527.70	107.13
		For Insect Screen, Add	*229.85*	
		For Grilles Between The Glass, Add	*288.96*	
		For Low-E Tempered Insulated Glass, Add	*591.05*	
08 18 16 00-0013	EA	6' x 6' 8", Vinyl Sliding Glass Door (Pella Vinyl 10 Series)	1,587.59	114.27
		For Insect Screen, Add	*237.84*	
		For Grilles Between The Glass, Add	*298.99*	
		For Low-E Tempered Insulated Glass, Add	*611.58*	
08 18 16 00-0014		**Premium Vinyl Sliding Glass Doors (Pella V350)** *(08 18 16 00-0010)* Note: Includes white solid vinyl interior and exterior, standard hardware and clear high-performance Low-E insulating glass. Excludes grilles and insect screens.		
08 18 16 00-0015	EA	61-3/4" x 81-3/4" Frame Opening, 2-Panel Vinyl Sliding Glass Door (Pella V350)	2,296.00	112.84
08 18 16 00-0016	EA	73-3/4" x 81-3/4" Frame Opening, 2-Panel Vinyl Sliding Glass Door (Pella V350)	2,326.85	114.27
08 18 16 00-0017	EA	97-3/4" x 81-3/4" Frame Opening, 2-Panel Vinyl Sliding Glass Door (Pella V350)	3,338.07	137.12
08 18 16 00-0018		**Vinyl Sliding Glass Doors (Superior Windows & Doors 9900)** *(08 18 16 00-0010)* Note: Includes white solid vinyl interior and exterior, 5-1/2" frame depth, standard hardware and 7/8" clear Low-E insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0019	EA	69-1/2" x 78-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	2,072.88	112.84
08 18 16 00-0020	EA	93-1/2" x 78-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	2,571.42	134.26
08 18 16 00-0021	EA	59-1/2" x 79-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	1,936.65	107.13
08 18 16 00-0022	EA	69-1/2" x 79-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	2,072.88	112.84
08 18 16 00-0023	EA	71-1/2" x 79-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	2,100.70	114.27
08 18 16 00-0024	EA	93-1/2" x 79-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	2,571.42	134.26
08 18 16 00-0025	EA	95-1/2" x 79-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	3,181.57	137.12
08 18 16 00-0026	EA	119-1/2" x 79-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	3,616.86	154.26
08 18 16 00-0027	EA	71-1/2" x 95-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	2,831.29	122.84
08 18 16 00-0028	EA	95-1/2" x 95-1/2" Frame Opening, 2-Panel Vinyl Sliding Glass Door	3,137.60	148.55
08 18 16 00-0029	EA	104-7/8" x 78-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	2,582.35	138.55
08 18 16 00-0030	EA	140-7/8" x 78-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	3,213.86	169.97
08 18 16 00-0031	EA	89-7/8" x 79-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	2,412.30	131.41
08 18 16 00-0032	EA	107-7/8" x 79-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	2,588.06	141.40
08 18 16 00-0033	EA	143-7/8" x 79-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	2,682.06	172.83
08 18 16 00-0034	EA	107-7/8" x 95-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	2,916.99	165.69
08 18 16 00-0035	EA	143-7/8" x 95-1/2" Frame Opening, 3-Panel Vinyl Sliding Glass Door	3,220.44	189.97
08 18 16 00-0036	EA	118-5/16" x 79-1/2" Frame Opening, 4-Panel Vinyl Sliding Glass Door	7,661.23	141.40
08 18 16 00-0037	EA	142-5/16" x 79-1/2" Frame Opening, 4-Panel Vinyl Sliding Glass Door	7,823.79	172.83
08 18 16 00-0038	EA	190-5/16" x 79-1/2" Frame Opening, 4-Panel Vinyl Sliding Glass Door	7,895.20	208.54
08 18 16 00-0039	EA	142-5/16" x 95-1/2" Frame Opening, 4-Panel Vinyl Sliding Glass Door	9,471.53	189.97
08 18 16 00-0040		**Premium Vinyl Sliding Glass Doors (Jeld Wen V4500)** *(08 18 16 00-0010)* Note: Includes white solid vinyl interior and exterior, standard hardware and clear high-performance Low-E insulating glass. Excludes grilles and insect screens.		
08 18 16 00-0041	EA	61-3/4" x 81-3/4" Frame Opening, 2-Panel Vinyl Sliding Glass Door (Jeld Wen V4500)	2,197.40	112.84
08 18 16 00-0042	EA	73-3/4" x 81-3/4" Frame Opening, 2-Panel Vinyl Sliding Glass Door (Jeld Wen V4500)	2,226.92	114.27
08 18 16 00-0043	EA	97-3/4" x 81-3/4" Frame Opening, 2-Panel Vinyl Sliding Glass Door (Jeld Wen V4500)	3,192.18	137.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0044		Sliding Wood-Framed Glass Doors *(08 18 16)*		
08 18 16 00-0045		Wood Clad Sliding Glass Doors *(08 18 16 00-0044)*		
08 18 16 00-0046		Wood Clad Sliding Glass Doors (Andersen 200 Series Perma-Shield) *(08 18 16 00-0045)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered clear insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0047	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	1,864.99	107.13
		For Insect Screen, Add	*165.07*	
		For Grilles Between The Glass, Add	*198.09*	
		For Low-E Tempered Insulated Glass, Add	*412.69*	
08 18 16 00-0048	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,092.03	114.27
		For Insect Screen, Add	*186.35*	
		For Grilles Between The Glass, Add	*223.62*	
		For Low-E Tempered Insulated Glass, Add	*465.88*	
08 18 16 00-0049	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,211.06	117.83
		For Insect Screen, Add	*197.54*	
		For Grilles Between The Glass, Add	*237.05*	
		For Low-E Tempered Insulated Glass, Add	*493.85*	
08 18 16 00-0050	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,696.34	132.12
		For Insect Screen, Add	*243.21*	
		For Grilles Between The Glass, Add	*291.85*	
		For Low-E Tempered Insulated Glass, Add	*608.03*	
08 18 16 00-0051	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	2,617.71	124.98
		For Insect Screen, Add	*236.78*	
		For Grilles Between The Glass, Add	*284.13*	
		For Low-E Tempered Insulated Glass, Add	*591.94*	
08 18 16 00-0052	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 200 Series Perma-Shield)	3,075.05	139.26
		For Insect Screen, Add	*279.65*	
		For Grilles Between The Glass, Add	*335.58*	
		For Low-E Tempered Insulated Glass, Add	*699.13*	
08 18 16 00-0053		Wood Clad Sliding Glass Doors (Andersen 400 Series Frenchwood) *(08 18 16 00-0045)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and tempered Low-E insulated glass. Excludes grilles and insect screens.		
08 18 16 00-0054	EA	5' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,456.63	107.13
		For Insect Screen, Add	*324.24*	
		For Grilles Between The Glass, Add	*389.09*	
		For Low-E Tempered Insulated Glass, Add	*810.60*	
08 18 16 00-0055	EA	6' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,842.39	114.27
		For Insect Screen, Add	*361.39*	
		For Grilles Between The Glass, Add	*433.66*	
		For Low-E Tempered Insulated Glass, Add	*903.47*	
08 18 16 00-0056	EA	8' x 6' 8", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,611.62	128.55
		For Insect Screen, Add	*435.45*	
		For Grilles Between The Glass, Add	*522.54*	
		For Low-E Tempered Insulated Glass, Add	*1,088.63*	
08 18 16 00-0057	EA	5' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,619.70	110.70
		For Insect Screen, Add	*339.83*	
		For Grilles Between The Glass, Add	*407.80*	
		For Low-E Tempered Insulated Glass, Add	*849.58*	
08 18 16 00-0058	EA	6' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	3,960.24	117.83
		For Insect Screen, Add	*372.46*	
		For Grilles Between The Glass, Add	*446.95*	
		For Low-E Tempered Insulated Glass, Add	*931.14*	
08 18 16 00-0059	EA	8' x 6' 10", Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,778.71	132.12
		For Insect Screen, Add	*451.45*	
		For Grilles Between The Glass, Add	*541.74*	
		For Low-E Tempered Insulated Glass, Add	*1,128.62*	
08 18 16 00-0060	EA	5' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,356.29	117.83
		For Insect Screen, Add	*412.06*	
		For Grilles Between The Glass, Add	*494.47*	
		For Low-E Tempered Insulated Glass, Add	*1,030.15*	
08 18 16 00-0061	EA	6' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	4,742.05	124.98
		For Insect Screen, Add	*449.21*	
		For Grilles Between The Glass, Add	*539.05*	
		For Low-E Tempered Insulated Glass, Add	*1,123.02*	
08 18 16 00-0062	EA	8' x 8', Wood Clad Sliding Glass Door (Andersen 400 Series Frenchwood)	5,508.98	139.26
		For Insect Screen, Add	*523.05*	
		For Grilles Between The Glass, Add	*627.65*	
		For Low-E Tempered Insulated Glass, Add	*1,307.61*	
08 18 16 00-0063		Residential Wood Sliding Doors With 5/8" Glass *(08 18 16 00-0044)*		
08 18 16 00-0064	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,170.38	192.83
08 18 16 00-0065	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,649.69	235.68
08 18 16 00-0066	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	3,061.38	271.38
08 18 16 00-0067	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,378.04	192.83
08 18 16 00-0068	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,917.90	235.68
08 18 16 00-0069	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,393.30	271.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 18 16 00-0070		Sliding Composite-Framed Glass Doors *(08 18 16)*		
08 18 16 00-0071		Sliding Fiberglass-Framed Glass Doors (Anderson Windows) *(08 18 16 00-0070)* Note: Includes solid fiberglass interior and exterior, 1" flange setback with stucco key, dark bronze/white, SR handing, standard hardware, clear Low-E SmartSun tempered glass and gliding insect screen.		
08 18 16 00-0072	EA	59-1/4" x 95-1/4" Frame Opening, 2-Panel Fiberglass-Framed Sliding Glass Door Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun tempered glass, gliding insect screen	2,405.42	116.05
08 18 16 00-0073	EA	71-1/4" x 95-1/4" Frame Opening, 2-Panel Fiberglass-Framed Sliding Glass Door Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun tempered glass, gliding insect screen	2,923.99	122.84
08 18 16 00-0074	EA	95-1/4" x 95-1/4" Frame Opening, 2-Panel Fiberglass-Framed Sliding Glass Door Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun tempered glass, gliding insect screen	3,239.37	148.55

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001		Stainless Steel Access Doors *(08 31 13)*		
08 31 13 00-0002		Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*		
08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	488.96	65.06
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	569.26	69.31
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	664.93	73.30
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	767.78	77.02
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	785.49	77.42
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	1,016.19	79.82
08 31 13 00-0009		Stainless Steel Access Doors *(08 31 13 00-0001)*		
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	195.29	49.89
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	233.52	65.06
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	332.74	69.31
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	357.16	73.30
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	414.70	77.02
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	472.73	77.42
08 31 13 00-0016		Steel Access Doors *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0017		Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	224.73	65.45
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	270.22	69.31
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	272.83	73.30
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	317.44	77.42
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	329.43	77.42
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	431.25	79.82
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	489.83	83.15
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	589.01	83.15
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	750.04	99.77
08 31 13 00-0027		Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	134.15	50.15
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	143.51	65.45
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	161.05	69.31
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	166.99	73.30
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	191.63	77.42
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	194.94	77.42
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	250.83	79.82
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	312.64	83.15
08 31 13 00-0036		Fiberglass Reinforced Polyester (FRP) Access Doors *(08 31 13)*		
08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	204.58	49.89
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	226.72	53.21
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	281.14	56.54
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	335.37	59.86
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	393.37	62.92
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	422.52	63.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0043		**Steel Recessed Access Doors For Drywall Application** *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch	173.66	49.89
		For Recessed Doors In Acoustical Tile, Add	*28.82*	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch	182.78	53.48
		For Recessed Doors In Acoustical Tile, Add	*31.38*	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch	195.71	56.54
		For Recessed Doors In Acoustical Tile, Add	*32.86*	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch	224.24	59.86
		For Recessed Doors In Acoustical Tile, Add	*32.22*	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch	236.11	63.19
		For Recessed Doors In Acoustical Tile, Add	*34.10*	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch	253.54	63.19
		For Recessed Doors In Acoustical Tile, Add	*31.49*	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch	316.73	79.82
		For Recessed Doors In Acoustical Tile, Add	*40.29*	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch	426.88	83.15
		For Recessed Doors In Acoustical Tile, Add	*27.43*	
08 31 13 00-0052		**Steel Crawl Space Doors And Frames** *(08 31 13)* Note: Includes paintable powder coated finish.		
08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	204.55	84.20
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	277.25	102.04
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	308.60	110.81

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001		**Overhead Rolling Counter Doors** *(08 33 13)*		
08 33 13 00-0002		**Galvanized Steel Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,104.77	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,220.35	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,454.11	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,801.27	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,624.89	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,844.65	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,955.67	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,213.26	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	
08 33 13 00-0011		**Stainless Steel Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,176.22	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,607.33	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,746.10	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,761.52	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	4,881.68	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,093.13	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,224.75	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,513.62	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	
08 33 13 00-0020		**Aluminum Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,542.73	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,723.54	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,235.96	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,190.81	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,356.40	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,625.08	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,791.32	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,192.74	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,798.27	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	3,971.65	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,263.19	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,668.15	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,145.02	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,393.68	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,562.49	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,733.39	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,273.60	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,900.67	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,039.43	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,368.39	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,665.52	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	5,916.16	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,126.16	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,454.22	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,249.45	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,430.27	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	21,529.39	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,083.86	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,520.68	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,834.56	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,068.61	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,085.80	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,345.37	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,526.19	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,767.39	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,179.78	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,159.05	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,472.93	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,797.39	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,091.31	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	9,819.87	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	10,603.71	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,231.77	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,247.19	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	10,995.63	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	11,912.54	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,141.53	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,822.32	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,514.49	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,630.08	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,921.63	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,557.75	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	6,861.25	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,341.07	532.23
		For Motor Operator (With Safety Reverse), Add	*783.07*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,741.05	553.55
		For Motor Operator (With Safety Reverse), Add	*788.39*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	9,010.00	598.82
		For Motor Operator (With Safety Reverse), Add	*799.70*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	11,779.47	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	12,171.39	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	13,799.45	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	6,976.83	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	9,288.51	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	10,504.73	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,167.74	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	6,861.25	479.06
		For Motor Operator (With Safety Reverse), Add	*769.76*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,326.17	509.00
		For Motor Operator (With Safety Reverse), Add	*775.80*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,135.67	598.82
		For Motor Operator (With Safety Reverse), Add	*798.96*	

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,600.94	209.59
		For Lexan Lattice Pattern, Add	*150.32*	
		For Staggered Brick Pattern, Add	*147.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,803.63	245.52
		For Lexan Lattice Pattern, Add	*165.45*	
		For Staggered Brick Pattern, Add	*200.49*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,003.64	279.41
		For Lexan Lattice Pattern, Add	*180.78*	
		For Staggered Brick Pattern, Add	*253.19*	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,233.27	317.37
		For Lexan Lattice Pattern, Add	*200.26*	
		For Staggered Brick Pattern, Add	*305.90*	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,463.08	353.30
		For Lexan Lattice Pattern, Add	*219.73*	
		For Staggered Brick Pattern, Add	*358.60*	
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,775.49	383.24
		For Lexan Lattice Pattern, Add	*251.50*	
		For Staggered Brick Pattern, Add	*415.73*	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,086.12	419.17
		For Lexan Lattice Pattern, Add	*283.27*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,496.76	479.06
		For Lexan Lattice Pattern, Add	*315.05*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,929.77	558.70
		For Lexan Lattice Pattern, Add	*349.94*	
		For Staggered Brick Pattern, Add	*587.11*	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,866.87	670.67
		For Lexan Lattice Pattern, Add	*442.14*	
		For Staggered Brick Pattern, Add	*607.11*	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,032.36	838.35
		For Lexan Lattice Pattern, Add	*545.56*	
		For Staggered Brick Pattern, Add	*696.89*	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,654.61	209.59
		For Lexan Lattice Pattern, Add	*158.37*	
		For Staggered Brick Pattern, Add	*171.70*	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,878.29	245.52
		For Lexan Lattice Pattern, Add	*176.65*	
		For Staggered Brick Pattern, Add	*233.52*	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,014.25	279.53
		For Lexan Lattice Pattern, Add	*182.37*	
		For Staggered Brick Pattern, Add	*295.33*	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,228.83	317.37
		For Lexan Lattice Pattern, Add	*199.59*	
		For Staggered Brick Pattern, Add	*357.15*	
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,445.38	353.30
		For Lexan Lattice Pattern, Add	*216.80*	
		For Staggered Brick Pattern, Add	*418.95*	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,782.33	383.24
		For Lexan Lattice Pattern, Add	*252.53*	
		For Staggered Brick Pattern, Add	*497.85*	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,119.29	419.17
		For Lexan Lattice Pattern, Add	*288.25*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,556.25	479.06
		For Lexan Lattice Pattern, Add	*323.97*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,990.54	558.70
		For Lexan Lattice Pattern, Add	*359.69*	
		For Staggered Brick Pattern, Add	*734.53*	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,004.42	670.67
		For Lexan Lattice Pattern, Add	*462.77*	
		For Staggered Brick Pattern, Add	*846.77*	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	6,118.00	838.35
		For Lexan Lattice Pattern, Add	*558.41*	
		For Staggered Brick Pattern, Add	*949.29*	

08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,710.76	209.59
		For Lexan Lattice Pattern, Add	*166.79*	
		For Staggered Brick Pattern, Add	*147.79*	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,954.75	245.52
		For Lexan Lattice Pattern, Add	*188.12*	
		For Staggered Brick Pattern, Add	*200.49*	
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,196.09	279.41
		For Lexan Lattice Pattern, Add	*209.65*	
		For Staggered Brick Pattern, Add	*253.19*	
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,467.02	317.37
		For Lexan Lattice Pattern, Add	*235.32*	
		For Staggered Brick Pattern, Add	*305.90*	
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,739.92	353.30
		For Lexan Lattice Pattern, Add	*260.99*	
		For Staggered Brick Pattern, Add	*358.60*	
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,119.04	383.24
		For Lexan Lattice Pattern, Add	*303.03*	
		For Staggered Brick Pattern, Add	*415.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,498.17	419.17
		For Lexan Lattice Pattern, Add	*345.08*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,977.31	479.06
		For Lexan Lattice Pattern, Add	*387.13*	
		For Staggered Brick Pattern, Add	*472.86*	
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,458.03	558.70
		For Lexan Lattice Pattern, Add	*429.18*	
		For Staggered Brick Pattern, Add	*587.11*	
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,525.73	670.67
		For Lexan Lattice Pattern, Add	*540.97*	
		For Staggered Brick Pattern, Add	*607.11*	
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,803.53	838.35
		For Lexan Lattice Pattern, Add	*661.24*	
		For Staggered Brick Pattern, Add	*696.89*	
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,819.31	209.59
		For Lexan Lattice Pattern, Add	*183.07*	
		For Staggered Brick Pattern, Add	*171.70*	
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,125.34	245.52
		For Lexan Lattice Pattern, Add	*213.71*	
		For Staggered Brick Pattern, Add	*233.52*	
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,343.62	279.53
		For Lexan Lattice Pattern, Add	*231.78*	
		For Staggered Brick Pattern, Add	*295.33*	
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,640.58	317.37
		For Lexan Lattice Pattern, Add	*261.35*	
		For Staggered Brick Pattern, Add	*357.15*	
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,939.53	353.30
		For Lexan Lattice Pattern, Add	*290.93*	
		For Staggered Brick Pattern, Add	*418.95*	
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,358.84	383.24
		For Lexan Lattice Pattern, Add	*339.00*	
		For Staggered Brick Pattern, Add	*497.85*	
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,778.15	419.17
		For Lexan Lattice Pattern, Add	*387.08*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,297.47	479.06
		For Lexan Lattice Pattern, Add	*435.15*	
		For Staggered Brick Pattern, Add	*576.74*	
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,814.13	558.70
		For Lexan Lattice Pattern, Add	*483.23*	
		For Staggered Brick Pattern, Add	*734.53*	
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,992.71	670.67
		For Lexan Lattice Pattern, Add	*611.01*	
		For Staggered Brick Pattern, Add	*846.77*	
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	7,268.63	838.35
		For Lexan Lattice Pattern, Add	*731.00*	
		For Staggered Brick Pattern, Add	*949.29*	

08 33 23 Overhead Coiling Doors *(08 33)*

See CSI section 01 22 23 00-0051 for scissor lifts, 01 22 23 00-1285 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 pounds per square foot (PSF) wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports, weatherstripping and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,664.02	708.63
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,781.40	750.31
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,777.42	750.31
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,899.97	791.99
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,932.49	812.87
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,096.29	875.37
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,233.65	917.05
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,194.43	917.05
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,264.53	937.90
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,347.25	958.74
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,510.01	1,000.42
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,341.78	958.74
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,483.90	1,000.42
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,645.61	1,042.10
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,769.46	1,083.79

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,983.86	1,054.61
		For 3/4" Insulated Slats, Add	*1,669.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,096.68	1,078.58
		For 3/4" Insulated Slats, Add	*1,724.24*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,430.46	1,150.48
		For 3/4" Insulated Slats, Add	*1,884.75*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,724.01	1,198.42
		For 3/4" Insulated Slats, Add	*2,044.99*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,260.67	1,102.55
		For 3/4" Insulated Slats, Add	*1,817.32*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,600.18	1,198.42
		For 3/4" Insulated Slats, Add	*1,952.12*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,843.82	1,246.36
		For 3/4" Insulated Slats, Add	*2,074.92*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,152.67	1,294.30
		For 3/4" Insulated Slats, Add	*2,246.64*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,550.13	1,150.48
		For 3/4" Insulated Slats, Add	*1,974.50*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,817.21	1,198.42
		For 3/4" Insulated Slats, Add	*2,114.89*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,180.18	1,294.30
		For 3/4" Insulated Slats, Add	*2,267.27*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,574.64	1,335.98
		For 3/4" Insulated Slats, Add	*2,511.01*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,708.98	1,419.35
		For 3/4" Insulated Slats, Add	*2,507.55*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,232.07	1,502.71
		For 3/4" Insulated Slats, Add	*2,795.67*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,776.77	1,586.08
		For 3/4" Insulated Slats, Add	*3,099.98*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,513.56	949.15
		For 3/4" Insulated Slats, Add	*1,448.74*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,780.64	1,001.89
		For 3/4" Insulated Slats, Add	*1,583.08*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,970.68	1,043.57
		For 3/4" Insulated Slats, Add	*1,673.50*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,010.69	1,107.34
		For 3/4" Insulated Slats, Add	*1,623.79*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,401.19	1,212.81
		For 3/4" Insulated Slats, Add	*1,784.84*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,649.59	1,254.49
		For 3/4" Insulated Slats, Add	*1,919.04*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,240.86	1,296.18
		For 3/4" Insulated Slats, Add	*2,310.39*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,873.82	1,358.70
		For 3/4" Insulated Slats, Add	*2,706.95*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,359.01	1,186.43
		For 3/4" Insulated Slats, Add	*1,786.24*	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,715.85	1,265.53
		For 3/4" Insulated Slats, Add	*1,954.98*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,002.08	1,318.27
		For 3/4" Insulated Slats, Add	*2,103.69*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,570.63	1,359.95
		For 3/4" Insulated Slats, Add	*2,477.99*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,180.86	1,422.47
		For 3/4" Insulated Slats, Add	*2,857.50*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,142.53	1,370.99
		For 3/4" Insulated Slats, Add	*2,143.16*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,515.71	1,423.73
		For 3/4" Insulated Slats, Add	*2,357.08*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,190.22	1,507.10
		For 3/4" Insulated Slats, Add	*2,758.75*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,948.10	1,632.15
		For 3/4" Insulated Slats, Add	*3,170.85*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,728.23	1,798.88
		For 3/4" Insulated Slats, Add	*3,547.52*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,591.72	2,007.31
		For 3/4" Insulated Slats, Add	*3,934.62*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,538.60	2,257.41
		For 3/4" Insulated Slats, Add	*4,332.14*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,566.92	2,549.20
		For 3/4" Insulated Slats, Add	*4,738.65*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,533.65	1,423.73
		For 3/4" Insulated Slats, Add	*2,370.54*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,902.95	1,469.58
		For 3/4" Insulated Slats, Add	*2,590.19*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,742.13	1,552.95
		For 3/4" Insulated Slats, Add	*3,115.37*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,664.64	1,678.00
		For 3/4" Insulated Slats, Add	*3,650.94*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,577.23	1,844.74
		For 3/4" Insulated Slats, Add	*4,126.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,573.19	2,053.15
		For 3/4" Insulated Slats, Add	*4,613.40*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,652.51	2,303.26
		For 3/4" Insulated Slats, Add	*5,110.26*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,898.54	2,636.74
		For 3/4" Insulated Slats, Add	*5,627.94*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,748.32	1,657.80
		For 3/4" Insulated Slats, Add	*2,989.02*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,381.14	1,741.16
		For 3/4" Insulated Slats, Add	*3,359.42*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,137.93	1,824.53
		For 3/4" Insulated Slats, Add	*3,822.81*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,900.61	1,949.58
		For 3/4" Insulated Slats, Add	*4,238.50*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,788.98	2,116.32
		For 3/4" Insulated Slats, Add	*4,696.36*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,676.59	2,283.06
		For 3/4" Insulated Slats, Add	*5,153.64*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,484.94	2,491.47
		For 3/4" Insulated Slats, Add	*6,249.39*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,376.67	2,741.58
		For 3/4" Insulated Slats, Add	*7,355.55*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,105.94	1,906.46
		For 3/4" Insulated Slats, Add	*3,696.38*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,822.15	1,989.83
		For 3/4" Insulated Slats, Add	*4,129.32*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,462.92	2,073.20
		For 3/4" Insulated Slats, Add	*4,505.69*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,208.88	2,198.26
		For 3/4" Insulated Slats, Add	*4,908.85*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,101.06	2,364.99
		For 3/4" Insulated Slats, Add	*5,369.56*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,111.99	2,531.72
		For 3/4" Insulated Slats, Add	*5,919.34*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,630.48	2,740.15
		For 3/4" Insulated Slats, Add	*6,797.68*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,243.78	2,990.25
		For 3/4" Insulated Slats, Add	*7,695.02*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,784.86	2,144.78
		For 3/4" Insulated Slats, Add	*3,907.63*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,428.70	2,228.15
		For 3/4" Insulated Slats, Add	*4,286.29*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,453.80	2,353.20
		For 3/4" Insulated Slats, Add	*4,898.81*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,416.27	2,519.93
		For 3/4" Insulated Slats, Add	*5,412.24*	
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,467.97	2,728.36
		For 3/4" Insulated Slats, Add	*5,940.49*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,603.79	2,978.46
		For 3/4" Insulated Slats, Add	*6,479.72*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,501.70	3,270.25
		For 3/4" Insulated Slats, Add	*7,538.42*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,517.72	3,603.72
		For 3/4" Insulated Slats, Add	*8,633.60*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,045.68	2,466.49
		For 3/4" Insulated Slats, Add	*4,451.10*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,249.79	2,549.86
		For 3/4" Insulated Slats, Add	*5,249.97*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,765.42	3,015.71
		For 3/4" Insulated Slats, Add	*5,804.47*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,059.94	3,140.76
		For 3/4" Insulated Slats, Add	*6,619.04*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,621.14	3,307.49
		For 3/4" Insulated Slats, Add	*7,581.52*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,356.33	3,474.24
		For 3/4" Insulated Slats, Add	*8,674.49*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,183.09	3,682.65
		For 3/4" Insulated Slats, Add	*9,784.04*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,121.97	3,932.76
		For 3/4" Insulated Slats, Add	*10,925.57*	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,053.43	2,919.84
		For 3/4" Insulated Slats, Add	*4,640.32*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,411.74	3,044.89
		For 3/4" Insulated Slats, Add	*5,502.74*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,263.17	3,317.27
		For 3/4" Insulated Slats, Add	*6,550.75*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,937.40	3,442.32
		For 3/4" Insulated Slats, Add	*7,650.11*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,700.46	3,609.06
		For 3/4" Insulated Slats, Add	*8,763.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,636.90	3,775.79
		For 3/4" Insulated Slats, Add	*10,007.89*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,662.40	3,984.22
		For 3/4" Insulated Slats, Add	*11,266.49*	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,759.72	4,234.32
		For 3/4" Insulated Slats, Add	*12,526.85*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,181.24	3,211.81
		For 3/4" Insulated Slats, Add	*5,121.12*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,105.53	3,295.17
		For 3/4" Insulated Slats, Add	*5,710.14*	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,078.69	3,378.54
		For 3/4" Insulated Slats, Add	*7,085.80*	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,942.10	3,503.60
		For 3/4" Insulated Slats, Add	*8,327.04*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,817.89	3,670.33
		For 3/4" Insulated Slats, Add	*9,525.46*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,865.73	3,837.07
		For 3/4" Insulated Slats, Add	*10,852.92*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,358.84	4,066.34
		For 3/4" Insulated Slats, Add	*12,436.17*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,910.00	4,295.60
		For 3/4" Insulated Slats, Add	*14,062.96*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,428.96	1,740.73
		For 3/4" Insulated Slats, Add	*3,395.91*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,140.04	1,828.27
		For 3/4" Insulated Slats, Add	*3,819.81*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,993.69	1,915.80
		For 3/4" Insulated Slats, Add	*4,350.62*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,845.74	2,047.03
		For 3/4" Insulated Slats, Add	*4,825.53*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,834.04	2,222.10
		For 3/4" Insulated Slats, Add	*5,347.91*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,821.43	2,397.17
		For 3/4" Insulated Slats, Add	*5,869.61*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,859.36	2,616.10
		For 3/4" Insulated Slats, Add	*7,124.51*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,984.83	2,878.71
		For 3/4" Insulated Slats, Add	*8,390.35*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,940.48	2,001.84
		For 3/4" Insulated Slats, Add	*4,203.17*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,747.43	2,089.37
		For 3/4" Insulated Slats, Add	*4,698.96*	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,467.66	2,176.91
		For 3/4" Insulated Slats, Add	*5,129.71*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,300.50	2,308.13
		For 3/4" Insulated Slats, Add	*5,590.21*	
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,293.15	2,483.21
		For 3/4" Insulated Slats, Add	*6,115.86*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,422.39	2,658.28
		For 3/4" Insulated Slats, Add	*6,743.95*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,126.96	2,877.20
		For 3/4" Insulated Slats, Add	*7,748.82*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,932.22	3,139.81
		For 3/4" Insulated Slats, Add	*8,774.50*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,673.58	2,251.94
		For 3/4" Insulated Slats, Add	*4,440.15*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,397.30	2,339.48
		For 3/4" Insulated Slats, Add	*4,873.52*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,551.16	2,470.87
		For 3/4" Insulated Slats, Add	*5,574.79*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,624.67	2,645.93
		For 3/4" Insulated Slats, Add	*6,161.08*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,792.42	2,864.69
		For 3/4" Insulated Slats, Add	*6,763.34*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,048.59	3,127.31
		For 3/4" Insulated Slats, Add	*7,377.21*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,172.84	3,433.77
		For 3/4" Insulated Slats, Add	*8,587.42*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,424.57	3,783.91
		For 3/4" Insulated Slats, Add	*9,838.53*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,059.19	2,589.75
		For 3/4" Insulated Slats, Add	*5,057.10*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,427.21	2,677.28
		For 3/4" Insulated Slats, Add	*5,973.70*	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,815.27	3,166.49
		For 3/4" Insulated Slats, Add	*6,403.34*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,238.35	3,297.88
		For 3/4" Insulated Slats, Add	*7,306.52*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,952.64	3,472.96
		For 3/4" Insulated Slats, Add	*8,373.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,860.25	3,648.02
		For 3/4" Insulated Slats, Add	*9,585.26*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,864.51	3,866.78
		For 3/4" Insulated Slats, Add	*10,814.90*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,988.25	4,129.39
		For 3/4" Insulated Slats, Add	*12,079.45*	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,924.70	3,065.79
		For 3/4" Insulated Slats, Add	*5,111.30*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,418.64	3,197.17
		For 3/4" Insulated Slats, Add	*6,067.62*	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,442.59	3,483.12
		For 3/4" Insulated Slats, Add	*7,227.94*	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,287.56	3,614.51
		For 3/4" Insulated Slats, Add	*8,447.53*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,226.15	3,789.59
		For 3/4" Insulated Slats, Add	*9,682.63*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,357.34	3,964.66
		For 3/4" Insulated Slats, Add	*11,062.19*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,582.45	4,183.42
		For 3/4" Insulated Slats, Add	*12,457.46*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,882.24	4,446.02
		For 3/4" Insulated Slats, Add	*13,854.05*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,142.10	3,372.41
		For 3/4" Insulated Slats, Add	*5,641.06*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,158.91	3,459.94
		For 3/4" Insulated Slats, Add	*6,294.25*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,341.12	3,547.48
		For 3/4" Insulated Slats, Add	*7,821.48*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,396.28	3,678.70
		For 3/4" Insulated Slats, Add	*9,198.73*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,460.12	3,853.77
		For 3/4" Insulated Slats, Add	*10,527.77*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,715.12	4,028.85
		For 3/4" Insulated Slats, Add	*12,000.17*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	25,457.29	4,269.62
		For 3/4" Insulated Slats, Add	*13,755.84*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	28,263.82	4,510.38
		For 3/4" Insulated Slats, Add	*15,559.88*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 pounds per square foot (PSF) wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports, weatherstripping and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,872.01	949.15
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,073.02	1,001.89
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,512.59	1,043.57
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,476.86	1,107.34
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,805.88	1,212.81
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,007.40	1,254.49
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,244.31	1,296.18
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,525.51	1,358.70
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,780.70	1,186.43
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,098.80	1,265.53
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,366.69	1,318.27
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,603.79	1,359.95
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,883.43	1,422.47
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,484.61	1,370.99
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,748.82	1,423.73
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,111.26	1,507.10
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,558.16	1,632.15
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,228.16	1,798.88
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,981.44	2,007.31
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,814.89	2,257.41
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,732.63	2,549.20
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,744.83	1,423.73
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,219.81	1,469.58
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,685.25	1,552.95
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,235.85	1,678.00
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,976.36	1,844.74
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,801.80	2,053.15
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,485.75	2,303.26
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,338.49	2,636.74

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,448.17	1,657.80
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,041.42	1,741.16
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,624.59	1,824.53
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,250.73	1,949.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,993.07	2,116.32
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,735.40	2,283.06
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,569.91	2,491.47
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,487.91	2,741.58
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,330.42	1,906.46
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,947.67	1,989.83
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,542.17	2,073.20
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,236.46	2,198.26
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,059.57	2,364.99
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,920.50	2,531.72
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,834.52	2,740.15
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,792.80	2,990.25
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,086.00	2,144.78
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,742.36	2,228.15
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,539.35	2,353.20
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,409.90	2,519.93
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,371.88	2,728.36
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,412.19	2,978.46
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,534.60	3,270.25
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,745.42	3,603.72
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,108.00	2,466.49
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,775.72	2,549.86
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,862.45	2,674.92
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,690.62	2,841.65
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,720.73	3,050.07
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,856.92	3,300.18
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,036.11	3,591.97
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,325.18	3,925.44
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,578.62	2,919.84
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,469.77	3,044.89
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,746.58	3,317.27
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,712.17	3,442.32
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,759.88	3,609.06
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,816.42	3,775.79
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,908.36	3,984.22
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,089.99	4,234.32
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,552.62	3,211.81
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,104.22	3,295.17
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,333.51	3,378.54
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,402.56	3,503.60
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,503.27	3,670.33
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,604.00	3,837.07
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,919.30	4,045.50
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,355.85	4,295.60

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.94	1.79
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	36.66	2.14
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	34.99	2.14
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	261.13	89.27
08 33 23 11-0247	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	17.23	
08 33 23 11-0248	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	68.89	
08 33 23 11-0249	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,011.52	285.67
08 33 23 11-0250	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,525.23	285.67
08 33 23 11-0251	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,378.40	321.38
08 33 23 11-0252	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,800.18	321.38
08 33 23 11-0253	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,053.53	357.08
08 33 23 11-0254	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,309.40	357.08
08 33 23 11-0255	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	83.67	
08 33 23 11-0256	EA	Remote Transmitter Kit For Coiling Door Operators	370.60	142.84

08 33 23 11-0257 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0258	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	30.32	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1285 for forklift.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0001		32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)* Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.		
08 33 23 13-0002		32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*		
08 33 23 13-0003		5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,877.81	522.77
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,196.46	547.05
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,513.01	571.34
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,827.47	595.62
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,146.13	619.90
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,462.68	644.18
08 33 23 13-0010		6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,196.46	547.05
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,513.01	571.34
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,827.47	595.62
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,146.13	619.90
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,462.68	644.18
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,779.25	668.46
08 33 23 13-0017		7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,513.01	571.34
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,827.47	595.62
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,146.13	619.90
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,462.68	644.18
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,779.25	668.46
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,097.90	692.75
08 33 23 13-0024		8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,827.47	595.62
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,146.13	619.90
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,462.68	644.18
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,779.25	668.46
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,097.90	692.75
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,412.36	717.03
08 33 23 13-0031		9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,146.13	619.90
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,462.68	644.18
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,779.25	668.46
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,097.90	692.75
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,412.36	717.03
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,731.01	741.31
08 33 23 13-0038		10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,462.68	644.18
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,779.25	668.46
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,097.90	692.75
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,412.36	717.03
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,731.01	741.31
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	9,047.57	765.59
08 33 23 13-0045		Rytec® Bantam® Door Options *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	13.09	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	28.79	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	41.87	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	397.80	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	770.95	71.41
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	770.95	71.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	3,269.19	142.84
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	415.02	71.41
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	404.55	71.41
08 33 23 13-0055		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0055)*		
08 33 23 13-0057		6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,977.58	571.34
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,270.40	595.62
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,607.82	619.90
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,077.06	644.18
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,556.01	668.46
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,360.62	692.75
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,932.61	717.03
08 33 23 13-0065		7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,334.38	595.62
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,706.69	619.90
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,173.99	644.18
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,668.45	668.46
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,319.91	692.75
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,105.15	717.03
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,725.61	741.31
08 33 23 13-0073		8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,768.73	619.90
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,234.09	644.18
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,747.93	668.46
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,418.78	692.75
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,023.72	717.03
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,878.76	741.31
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,580.63	765.59
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,298.07	644.18
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,808.03	668.46
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,478.88	692.75
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,103.21	717.03
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,758.56	741.31
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,439.11	765.59
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,185.57	789.87
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,858.43	668.46
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,542.85	692.75
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,161.37	717.03
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,822.54	741.31
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,555.43	765.59
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,704.80	789.87
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,949.48	814.15
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,579.69	692.75
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,213.71	717.03
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,882.63	741.31
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,617.46	765.59
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,100.27	789.87
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,054.16	814.15
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,835.53	838.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0105		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,231.16	717.03
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,917.53	741.31
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,665.93	765.59
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,166.18	789.87
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,823.47	814.15
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	24,924.71	838.43
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	25,690.56	862.71
08 33 23 13-0113		Rytec® PredaDoor® Door Options *(08 33 23 13-0055)*		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	915.72	142.84
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,332.52	142.84
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	15.70	
08 33 23 13-0117		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0117)*		
08 33 23 13-0119		8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,303.82	1,285.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,541.78	1,321.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,620.76	1,358.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,781.17	1,394.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,096.66	1,431.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,787.93	1,467.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,866.91	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,828.89	1,543.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,360.08	1,583.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,598.13	1,624.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,131.44	1,666.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

08 33 23 13-0131 9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,541.78	1,321.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,620.76	1,358.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,781.17	1,394.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,096.66	1,431.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,787.93	1,467.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,866.91	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,258.00	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,360.07	1,583.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,598.13	1,624.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,131.44	1,666.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,957.97	1,710.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	

08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,620.76	1,358.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,781.17	1,394.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,096.66	1,431.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,787.93	1,467.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,866.91	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,258.00	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,571.57	1,576.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,596.54	1,623.64
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,129.81	1,665.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,956.30	1,709.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,496.12	1,753.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,781.17	1,394.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,096.66	1,431.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,787.93	1,467.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,866.91	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,258.00	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,571.57	1,576.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,040.21	1,613.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,125.91	1,663.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,952.30	1,707.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,492.02	1,751.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,320.87	1,797.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,096.66	1,431.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,787.93	1,467.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,866.91	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,258.00	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,571.57	1,576.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,040.21	1,613.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,095.93	1,649.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,946.31	1,704.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,485.86	1,748.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,314.56	1,793.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,145.62	1,840.59
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,586.63	1,467.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,966.10	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,273.83	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,792.90	1,576.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,306.13	1,613.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,429.70	1,649.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,283.81	1,686.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,597.37	1,744.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,427.96	1,789.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,267.17	1,836.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,886.88	1,884.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0191		14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,966.10	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,273.83	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,792.90	1,576.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,306.13	1,613.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,429.70	1,649.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,283.81	1,686.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,552.78	1,722.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,417.84	1,784.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,256.79	1,831.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,876.24	1,878.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,401.32	1,927.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,201.62	1,504.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,721.20	1,540.46
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,234.53	1,576.89
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,358.41	1,613.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,212.20	1,649.73
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,480.55	1,686.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,372.50	1,762.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,246.08	1,825.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,865.25	1,873.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,390.05	1,922.10
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,870.53	1,972.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,788.33	1,574.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,305.04	1,612.14
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,432.31	1,650.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,289.49	1,688.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,561.23	1,726.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,377.33	1,764.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,199.71	1,802.72
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,854.29	1,867.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,378.81	1,916.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,859.00	1,966.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,354.35	2,017.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,163.02	1,610.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,430.22	1,649.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,963.33	1,688.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,647.19	1,727.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	45,192.86	1,766.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,490.17	1,805.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,703.74	1,844.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,367.60	1,910.88
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,847.50	1,960.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,342.55	2,011.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,762.79	2,063.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,832.48	1,647.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,505.57	1,687.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,327.31	1,727.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,142.78	1,766.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,035.70	1,806.83
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,724.23	1,846.72
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,488.14	1,886.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,851.48	1,954.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,330.79	2,005.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,681.62	2,057.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,108.46	2,111.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,501.56	1,685.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,325.14	1,725.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,142.44	1,766.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,037.20	1,807.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,727.56	1,848.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,493.31	1,889.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,801.84	1,930.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,319.06	1,999.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,669.59	2,051.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,096.11	2,105.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,525.39	2,159.86
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,321.04	1,723.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,140.22	1,765.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	48,036.85	1,807.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,729.10	1,849.14
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,496.72	1,890.90
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,807.13	1,932.64
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,268.27	1,974.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,657.58	2,045.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,083.80	2,098.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,512.76	2,153.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,651.45	2,209.53
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,408.18	1,848.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,102.33	1,891.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,869.78	1,934.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,186.28	1,977.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,647.26	2,019.80
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	66,039.87	2,092.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,468.52	2,147.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,900.00	2,203.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,041.25	2,260.36
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,519.92	1,891.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,218.14	1,935.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,985.46	1,978.87
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,301.84	2,022.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,768.97	2,066.25
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,164.94	2,140.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,596.09	2,196.63
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,028.04	2,253.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	75,174.03	2,312.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,635.73	1,935.01
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,333.87	1,979.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,105.29	2,024.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	66,423.67	2,069.09
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,890.73	2,113.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,292.22	2,190.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	72,723.84	2,247.16
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	75,160.51	2,305.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	77,309.20	2,365.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,751.44	1,979.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,451.63	2,025.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,227.20	2,070.95
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	68,547.66	2,116.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	70,014.66	2,162.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	72,417.58	2,240.58
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	74,853.91	2,298.84
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	77,295.36	2,358.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	79,442.61	2,419.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0315 Rytec® Fast-Seal® Door Options *(08 33 23 13-0117)*

08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	58.16
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	630.05
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,046.85
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,539.49
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,303.07
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	368.34
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	726.98
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	920.84
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,453.96
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	426.49
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	843.30
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	1,046.85
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,686.59
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	794.68
		For 304 Stainless Steel, Add	*127.15*
		For 316 Stainless Steel, Add	*556.28*
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,033.08
		For 304 Stainless Steel, Add	*165.29*
		For 316 Stainless Steel, Add	*723.16*
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,350.95
		For 304 Stainless Steel, Add	*216.15*
		For 316 Stainless Steel, Add	*945.67*
08 33 23 13-0332	EA	Through Wall Brake Release	216.67
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,807.17
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*

08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13)*

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0334)*

08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,070.23	1,285.51
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,390.13	1,321.93
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,954.99	1,358.35
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,519.86	1,394.78
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,086.81	1,431.19
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,651.68	1,467.62
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,969.49	1,504.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,541.82	1,543.15
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,606.10	1,583.27
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,935.49	1,624.43
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,759.02	1,666.67
08 33 23 13-0348		9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,390.13	1,321.93
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,707.94	1,358.35
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,274.90	1,394.78
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,086.81	1,431.19
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,404.63	1,467.62
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,969.49	1,504.05
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,536.44	1,540.46
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,114.08	1,583.27
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,427.51	1,624.43
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,745.16	1,666.67
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,062.92	1,710.00
08 33 23 13-0360		10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,186.09	1,358.35
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,505.99	1,394.78
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,070.85	1,431.19
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,882.78	1,467.62
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,447.64	1,504.05
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,014.59	1,540.46
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,579.47	1,576.89
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,412.06	1,623.64
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,480.52	1,665.86
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,045.29	1,709.17
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,367.37	1,753.60
08 33 23 13-0372		11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,258.94	1,394.78
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,823.80	1,431.19
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,390.76	1,467.62
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,202.68	1,504.05
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,767.54	1,540.46
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,332.42	1,576.89
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,638.45	1,613.31
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,215.70	1,663.90
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,780.39	1,707.17
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,347.31	1,751.56
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,669.48	1,797.09
08 33 23 13-0384		12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,578.83	1,431.19
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,143.70	1,467.62
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,708.56	1,504.05
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,520.48	1,540.46
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,332.42	1,576.89
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,883.41	1,613.31
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,434.40	1,649.73
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,021.45	1,704.18
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,833.17	1,748.49
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,402.25	1,793.94
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,973.69	1,840.59
08 33 23 13-0396		13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,143.70	1,467.62
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,463.60	1,504.05
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,028.46	1,540.46
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,087.45	1,576.89
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,883.41	1,613.31
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,681.46	1,649.73
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,232.46	1,686.16
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,072.40	1,744.56
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,888.33	1,789.92
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,704.51	1,836.46
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,278.16	1,884.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0408		**14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,463.60	1,504.05
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,781.40	1,540.46
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,593.34	1,576.89
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,144.33	1,613.31
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,434.40	1,649.73
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,232.46	1,686.16
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,275.47	1,722.58
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,123.16	1,784.87
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,941.18	1,831.28
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,759.53	1,878.88
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,829.49	1,927.73
08 33 23 13-0420		**15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,010.94	1,538.63
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,577.48	1,575.90
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,391.08	1,613.15
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,449.65	1,650.41
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,988.45	1,687.68
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,033.14	1,724.93
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,077.84	1,762.20
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,930.49	1,825.92
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,995.60	1,873.38
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,063.19	1,922.11
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,133.32	1,972.07
08 33 23 13-0432		**16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,326.69	1,574.03
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,141.99	1,612.14
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,957.32	1,650.26
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,003.72	1,688.37
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,789.20	1,726.49
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,837.70	1,764.62
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,884.11	1,802.72
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,984.64	1,867.91
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,051.95	1,916.48
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,121.78	1,966.31
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,441.26	2,017.43
08 33 23 13-0444		**17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,893.19	1,610.23
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,463.20	1,649.22
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,511.36	1,688.21
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,559.53	1,727.21
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,346.75	1,766.20
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,641.97	1,805.20
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,690.15	1,844.19
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,040.75	1,910.88
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,110.28	1,960.55
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,429.47	2,011.53
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,751.29	2,063.84
08 33 23 13-0456		**18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,459.29	1,647.26
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,031.10	1,687.15
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,820.12	1,727.05
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,117.14	1,766.93
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,906.17	1,806.83
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,203.18	1,846.71
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,747.25	1,886.61
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,098.82	1,954.82
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,417.69	2,005.65
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,739.22	2,057.80
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,063.46	2,111.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0468		19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,519.10	1,685.14
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,339.80	1,725.96
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,377.72	1,766.77
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,676.56	1,807.58
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,714.49	1,848.39
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,013.35	1,889.19
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,557.15	1,930.00
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,913.95	1,999.79
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,480.13	2,051.78
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,804.04	2,105.13
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,377.80	2,159.87
08 33 23 13-0480		20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,074.77	1,723.91
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,897.35	1,765.65
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,690.09	1,807.41
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,237.87	1,849.14
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,277.67	1,890.89
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,823.36	1,932.64
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,371.14	1,974.40
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,976.11	2,045.78
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,546.78	2,098.98
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,118.11	2,153.53
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,692.29	2,209.54
08 33 23 13-0492		21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,401.14	1,763.55
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,703.78	1,806.26
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,006.43	1,848.97
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,801.08	1,891.68
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,842.80	1,934.38
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,637.46	1,977.09
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,185.07	2,019.80
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,040.38	2,092.84
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,613.50	2,147.25
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	69,187.34	2,203.07
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	72,011.16	2,260.35
08 33 23 13-0504		22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,974.28	1,804.12
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,031.82	1,847.82
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,569.63	1,891.49
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,366.25	1,935.19
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,654.90	1,978.88
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,451.53	2,022.57
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,003.19	2,066.25
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,861.86	2,140.96
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,682.44	2,196.63
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	71,505.91	2,253.75
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	74,332.35	2,312.34
08 33 23 13-0516		23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,782.48	1,845.61
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,594.97	1,890.31
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,887.73	1,935.00
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,933.41	1,979.70
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,224.08	2,024.39
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,022.72	2,069.08
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,068.42	2,113.79
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,930.53	2,190.22
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,753.66	2,247.15
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,826.83	2,305.58
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	76,655.96	2,365.53
08 33 23 13-0528		24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,345.53	1,888.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,668.07	1,933.79
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,454.89	1,979.51
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,255.58	2,025.23
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,795.34	2,070.95
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,843.10	2,116.67
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,888.77	2,162.39
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,001.45	2,240.58
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	72,827.21	2,298.84
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	75,903.05	2,358.61
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	78,982.01	2,419.94

08 33 23 13-0540 Rytec® Powerhouse™ Door Options *(08 33 23 13-0334)*

08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,203.36	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,266.17	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,328.98	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,391.80	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,454.61	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,517.42	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,580.23	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,643.04	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,705.85	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,768.66	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,831.47	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.28	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,957.09	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,019.91	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,082.72	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,145.53	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	4,208.34	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	732.80	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,800.58	

08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13)*

Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®) *(08 33 23 13-0560)*

08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,856.14	1,714.01
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,977.79	1,750.43
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,099.42	1,786.85
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,222.99	1,823.27
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,344.63	1,859.70
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,466.26	1,896.12
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,683.54	1,932.54
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,799.93	1,971.19
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,917.26	2,010.61
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,036.15	2,050.83
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,156.66	2,091.85

08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,977.79	1,750.43
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,099.42	1,786.85
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,222.99	1,823.27
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,344.63	1,859.70
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,466.26	1,896.12
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,587.90	1,932.54
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,805.18	1,968.97
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,905.88	2,008.35
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,044.08	2,048.51
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,164.50	2,089.49
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,286.57	2,131.27

08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,099.42	1,786.85
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,222.99	1,823.27
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,344.63	1,859.70
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,466.26	1,896.12
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,587.90	1,932.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,709.54	1,968.97
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,926.81	2,005.39
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,046.42	2,045.50
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,166.72	2,086.40
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,288.65	2,128.14
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,412.26	2,170.69
08 33 23 13-0598		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,222.99	1,823.27
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,344.63	1,859.70
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,466.26	1,896.12
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,587.90	1,932.54
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,709.54	1,968.97
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,831.17	2,005.39
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,046.50	2,041.81
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,169.67	2,082.65
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,291.45	2,124.30
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,414.90	2,166.79
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,540.04	2,210.13
08 33 23 13-0610		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,344.63	1,859.70
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,466.26	1,896.12
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,587.90	1,932.54
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,709.54	1,968.97
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,831.17	2,005.39
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,952.79	2,041.81
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,170.07	2,078.24
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,292.92	2,119.80
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,416.19	2,162.19
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,541.15	2,205.44
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,669.94	2,249.55
08 33 23 13-0622		13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,466.26	1,896.12
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,587.90	1,932.54
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,709.54	1,968.97
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,831.17	2,005.39
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,952.79	2,041.81
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,074.43	2,078.24
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,291.71	2,114.65
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,416.16	2,156.95
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,540.92	2,200.08
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,667.41	2,244.09
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,795.63	2,288.97
08 33 23 13-0634		14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,683.54	1,932.54
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,805.18	1,968.97
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,926.81	2,005.39
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,046.50	2,041.81
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,170.07	2,078.24
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,291.71	2,114.65
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,403.65	2,151.08
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,528.94	2,194.10
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,655.18	2,237.98
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,783.18	2,282.75
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,912.97	2,328.39
08 33 23 13-0646		15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,799.93	1,971.19
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,925.27	2,008.35
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,046.42	2,045.50
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,169.67	2,082.65
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,292.92	2,119.80
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,416.16	2,156.95
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,528.94	2,194.10
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,655.18	2,237.98
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,783.18	2,282.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,912.97	2,328.39
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,044.57	2,374.97
08 33 23 13-0658		16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,917.26	2,010.61
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,044.08	2,048.51
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,166.72	2,086.40
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,291.45	2,124.30
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,416.19	2,162.19
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,540.92	2,200.08
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,655.18	2,237.98
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,783.18	2,282.75
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,912.97	2,328.39
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,044.57	2,374.97
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,180.14	2,422.46
08 33 23 13-0670		17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,036.15	2,050.83
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,164.50	2,089.49
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,288.65	2,128.14
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,414.90	2,166.79
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,541.15	2,205.44
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,667.41	2,244.09
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,783.18	2,282.75
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,912.97	2,328.39
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,044.57	2,374.97
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,180.14	2,422.46
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,315.52	2,470.91
08 33 23 13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,389.06	2,091.85
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,516.88	2,131.27
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,644.66	2,170.69
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,770.35	2,210.13
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,900.25	2,249.55
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,025.94	2,288.97
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,145.37	2,328.39
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,276.97	2,374.97
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,410.45	2,422.46
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,545.82	2,470.91
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	63,683.13	2,520.34
08 33 23 13-0694		19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,856.67	2,133.69
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,988.14	2,173.90
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,115.43	2,214.11
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,244.79	2,254.33
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,374.16	2,294.54
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,503.53	2,334.75
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,622.43	2,374.97
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,755.91	2,422.46
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,891.29	2,470.91
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	64,028.59	2,520.34
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	65,169.98	2,570.74
08 33 23 13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,672.95	2,176.79
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,806.83	2,216.78
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,935.10	2,258.21
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,066.89	2,299.63
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,197.24	2,341.05
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	61,327.60	2,381.05
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,448.92	2,422.46
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	63,584.52	2,471.03
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	64,721.56	2,521.02
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	65,861.44	2,571.01
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	67,002.76	2,622.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0560)*		
08 33 23 13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,987.14	1,142.67
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,844.10	1,166.95
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,701.07	1,191.23
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,554.17	1,215.51
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,411.13	1,239.80
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,268.09	1,264.08
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,205.19	1,288.37
08 33 23 13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,844.10	1,166.95
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,701.07	1,191.23
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,554.17	1,215.51
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,411.13	1,239.80
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,268.09	1,264.08
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,125.05	1,288.37
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,062.16	1,312.65
08 33 23 13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,701.07	1,191.23
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,554.17	1,215.51
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,411.13	1,239.80
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,268.09	1,264.08
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,125.05	1,288.37
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,982.02	1,312.65
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,919.12	1,336.93
08 33 23 13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,554.17	1,215.51
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,411.13	1,239.80
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,268.09	1,264.08
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,125.05	1,288.37
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,982.02	1,312.65
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,838.98	1,336.93
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	54,772.20	1,361.21
08 33 23 13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,411.13	1,239.80
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,268.09	1,264.08
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,125.05	1,288.37
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,982.02	1,312.65
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,838.98	1,336.93
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,695.95	1,361.21
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	55,629.17	1,385.49
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,268.09	1,264.08
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,125.05	1,288.37
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,982.02	1,312.65
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	45,838.98	1,336.93
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	46,695.95	1,361.21
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	47,552.92	1,385.49
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	56,486.15	1,409.77
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,205.19	1,288.37
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,062.16	1,312.65
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,919.12	1,336.93
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	54,772.20	1,361.21
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	55,629.17	1,385.49
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	56,486.15	1,409.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	57,343.11	1,434.05
08 33 23 13-0775		**Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0560)*		
08 33 23 13-0776		**8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,216.87	1,142.67
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,073.83	1,166.95
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,930.80	1,191.23
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,785.83	1,215.51
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,642.79	1,239.80
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,484.96	1,257.65
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,346.61	1,264.08
08 33 23 13-0784		**9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,073.83	1,166.95
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,930.80	1,191.23
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,785.83	1,215.51
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,642.79	1,239.80
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,497.81	1,264.08
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,336.22	1,279.08
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,299.53	1,288.37
08 33 23 13-0792		**10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,930.80	1,191.23
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,785.83	1,215.51
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,642.79	1,239.80
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,497.81	1,264.08
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,354.78	1,288.37
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,198.89	1,306.22
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,396.89	1,312.65
08 33 23 13-0800		**11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,785.83	1,215.51
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,642.79	1,239.80
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,497.81	1,264.08
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,354.78	1,288.37
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,211.75	1,312.65
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,055.85	1,330.50
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,494.24	1,336.93
08 33 23 13-0808		**12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,642.79	1,239.80
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,497.81	1,264.08
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,354.78	1,288.37
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,211.75	1,312.65
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,068.71	1,336.93
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,909.96	1,353.36
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,591.58	1,361.21
08 33 23 13-0816		**13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,497.81	1,264.08
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,354.78	1,288.37
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,211.75	1,312.65
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,068.71	1,336.93
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,925.67	1,361.21
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,768.36	1,378.35
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,688.94	1,385.49
08 33 23 13-0824		**14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®)** *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,395.17	1,288.37
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,492.53	1,312.65
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,589.88	1,336.93
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	49,685.29	1,361.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	50,784.58	1,385.49
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	51,869.08	1,403.34
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	51,881.94	1,409.77
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0560)*		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,526.82	1,142.67
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,615.95	1,166.95
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,702.99	1,191.23
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,365.81	1,215.51
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,030.70	1,239.80
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,695.60	1,264.08
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,360.50	1,288.37
08 33 23 13-0841		9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,615.95	1,166.95
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,702.99	1,191.23
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,790.04	1,215.51
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,454.94	1,239.80
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,117.74	1,264.08
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,782.64	1,288.37
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,458.01	1,312.65
08 33 23 13-0849		10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,702.99	1,191.23
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,790.04	1,215.51
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,877.08	1,239.80
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,541.97	1,264.08
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,204.78	1,288.37
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,869.68	1,312.65
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,555.52	1,336.93
08 33 23 13-0857		11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,790.04	1,215.51
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,877.08	1,239.80
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,964.11	1,264.08
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,629.01	1,288.37
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,293.92	1,312.65
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,956.72	1,336.93
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,650.93	1,361.21
08 33 23 13-0865		12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,877.08	1,239.80
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,964.11	1,264.08
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,051.15	1,288.37
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,716.05	1,312.65
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,380.95	1,336.93
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,043.75	1,361.21
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	61,750.54	1,385.49
08 33 23 13-0873		13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,964.11	1,264.08
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,051.15	1,288.37
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,138.19	1,312.65
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,803.09	1,336.93
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,467.99	1,361.21
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	61,132.89	1,385.49
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	62,848.05	1,409.77
08 33 23 13-0881		14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,051.15	1,288.37
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,138.19	1,312.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,225.23	1,336.93
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,890.13	1,361.21
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	60,555.03	1,385.49
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	62,219.94	1,409.77
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	63,935.09	1,434.05

08 33 23 13-0889 Rytec® Spiral® Door Options *(08 33 23 13-0560)*

08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	630.05	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	426.49	
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	630.05	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	426.49	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	630.05	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,189.69	71.41
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,426.22	142.84
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,149.97	142.84
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,993.27	142.84
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	732.80	

08 33 23 13-0900 Activation And Control Box Options For High Speed Doors *(08 33 23 13)*

08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	297.93	71.41
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	226.50	35.71
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	284.66	35.71
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	197.42	35.71
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	304.04	35.71
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	497.90	35.71
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	546.37	35.71
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	844.30	64.28
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	1,129.97	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	727.41	64.28
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	950.92	64.28
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	822.37	42.85
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	569.33	71.41
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	772.89	71.41
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	879.51	71.41
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	1,092.76	71.41

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (scissor lift) where required. See CSI section 01 22 23 00-1285 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,100.87	251.50
		For Lexan Lattice Pattern, Add	*207.43*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*166.01*	
		For Staggered Brick Pattern, Add	*224.72*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,347.61	251.50
		For Lexan Lattice Pattern, Add	*244.44*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*249.02*	
		For Staggered Brick Pattern, Add	*304.34*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,837.57	314.38
		For Lexan Lattice Pattern, Add	*290.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*332.03*	
		For Staggered Brick Pattern, Add	*383.96*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,193.41	314.38
		For Lexan Lattice Pattern, Add	*344.14*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*543.20*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,466.20	503.01
		For Lexan Lattice Pattern, Add	*454.01*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*664.05*	
		For Staggered Brick Pattern, Add	*766.04*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,552.06	628.76
		For Lexan Lattice Pattern, Add	*563.88*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*830.06*	
		For Staggered Brick Pattern, Add	*988.87*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,961.69	754.50
		For Lexan Lattice Pattern, Add	*721.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.08*	
		For Staggered Brick Pattern, Add	*1,112.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,487.68	922.18
		For Lexan Lattice Pattern, Add	*879.19*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,153.68*	
		For Staggered Brick Pattern, Add	*1,213.17*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,279.71	251.50
		For Lexan Lattice Pattern, Add	*234.26*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*207.51*	
		For Staggered Brick Pattern, Add	*266.98*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,606.72	251.50
		For Lexan Lattice Pattern, Add	*283.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*311.26*	
		For Staggered Brick Pattern, Add	*379.12*	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,123.89	314.38
		For Lexan Lattice Pattern, Add	*334.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*415.04*	
		For Staggered Brick Pattern, Add	*491.27*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,569.54	314.38
		For Lexan Lattice Pattern, Add	*400.97*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.55*	
		For Staggered Brick Pattern, Add	*715.55*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,961.50	503.01
		For Lexan Lattice Pattern, Add	*528.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*830.06*	
		For Staggered Brick Pattern, Add	*986.65*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,163.82	628.76
		For Lexan Lattice Pattern, Add	*655.64*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,037.58*	
		For Staggered Brick Pattern, Add	*1,257.74*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,700.83	754.50
		For Lexan Lattice Pattern, Add	*832.02*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.25*	
		For Staggered Brick Pattern, Add	*1,456.56*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,628.99	922.18
		For Lexan Lattice Pattern, Add	*1,050.39*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,458.00*	
		For Staggered Brick Pattern, Add	*1,631.68*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,484.51	251.50
		For Lexan Lattice Pattern, Add	*264.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*249.02*	
		For Staggered Brick Pattern, Add	*308.61*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,543.79	251.50
		For Lexan Lattice Pattern, Add	*273.87*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*373.53*	
		For Staggered Brick Pattern, Add	*452.64*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,106.78	314.38
		For Lexan Lattice Pattern, Add	*331.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*498.03*	
		For Staggered Brick Pattern, Add	*596.67*	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,997.92	314.38
		For Lexan Lattice Pattern, Add	*464.82*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*747.03*	
		For Staggered Brick Pattern, Add	*884.73*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,661.67	503.01
		For Lexan Lattice Pattern, Add	*633.33*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.06*	
		For Staggered Brick Pattern, Add	*1,230.04*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,138.45	628.76
		For Lexan Lattice Pattern, Add	*801.84*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.09*	
		For Staggered Brick Pattern, Add	*1,575.33*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,648.00	754.50
		For Lexan Lattice Pattern, Add	*974.10*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,494.11*	
		For Staggered Brick Pattern, Add	*1,665.70*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,756.63	922.18
		For Lexan Lattice Pattern, Add	*1,219.54*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,731.45*	
		For Staggered Brick Pattern, Add	*1,814.80*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,850.81	251.50
		For Lexan Lattice Pattern, Add	*319.92*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*290.41*	
		For Staggered Brick Pattern, Add	*570.82*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,250.74	251.50
		For Lexan Lattice Pattern, Add	*379.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*435.71*	
		For Staggered Brick Pattern, Add	*700.89*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,833.49	314.38
		For Lexan Lattice Pattern, Add	*440.56*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*580.99*	
		For Staggered Brick Pattern, Add	*816.13*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,673.62	314.38
		For Lexan Lattice Pattern, Add	*566.58*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.56*	
		For Staggered Brick Pattern, Add	*1,034.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,360.24	503.01
		For Lexan Lattice Pattern, Add	*738.12*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,162.09*	
		For Staggered Brick Pattern, Add	*1,384.53*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,857.24	628.76
		For Lexan Lattice Pattern, Add	*909.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,452.60*	
		For Staggered Brick Pattern, Add	*1,734.14*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,394.28	754.50
		For Lexan Lattice Pattern, Add	*1,086.04*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,743.13*	
		For Staggered Brick Pattern, Add	*1,966.71*	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,972.39	922.18
		For Lexan Lattice Pattern, Add	*1,401.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,057.78*	
		For Staggered Brick Pattern, Add	*2,247.06*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	109.17	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,656.61	703.25
		For Lexan Lattice Pattern, Add	*247.07*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*498.04*	
		For Staggered Brick Pattern, Add	*543.20*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,999.57	903.37
		For Lexan Lattice Pattern, Add	*362.77*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*763.94*	
		For Staggered Brick Pattern, Add	*870.03*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,430.92	1,139.06
		For Lexan Lattice Pattern, Add	*476.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*996.08*	
		For Staggered Brick Pattern, Add	*1,112.35*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,564.95	1,257.51
		For Lexan Lattice Pattern, Add	*595.59*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,153.68*	
		For Staggered Brick Pattern, Add	*1,213.17*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,348.30	801.81
		For Lexan Lattice Pattern, Add	*308.63*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*622.55*	
		For Staggered Brick Pattern, Add	*715.55*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,968.92	1,029.84
		For Lexan Lattice Pattern, Add	*453.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*916.85*	
		For Staggered Brick Pattern, Add	*1,086.56*	
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,608.56	1,298.11
		For Lexan Lattice Pattern, Add	*584.76*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,245.25*	
		For Staggered Brick Pattern, Add	*1,456.56*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	9,074.56	1,433.56
		For Lexan Lattice Pattern, Add	*744.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,458.00*	
		For Staggered Brick Pattern, Add	*1,631.68*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	5,050.82	903.37
		For Lexan Lattice Pattern, Add	*370.46*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*747.03*	
		For Staggered Brick Pattern, Add	*884.73*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,950.85	1,160.27
		For Lexan Lattice Pattern, Add	*543.61*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,103.00*	
		For Staggered Brick Pattern, Add	*1,348.99*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,923.18	1,462.91
		For Lexan Lattice Pattern, Add	*714.71*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,494.11*	
		For Staggered Brick Pattern, Add	*1,665.70*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,569.29	1,613.81
		For Lexan Lattice Pattern, Add	*893.39*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,731.45*	
		For Staggered Brick Pattern, Add	*1,814.80*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	5,739.23	998.82
		For Lexan Lattice Pattern, Add	*433.16*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*871.56*	
		For Staggered Brick Pattern, Add	*1,034.91*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,926.91	1,282.67
		For Lexan Lattice Pattern, Add	*634.58*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,260.60*	
		For Staggered Brick Pattern, Add	*1,498.82*	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	10,165.14	1,617.16
		For Lexan Lattice Pattern, Add	*833.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,743.13*	
		For Staggered Brick Pattern, Add	*1,966.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	12,045.61	1,785.66
		For Lexan Lattice Pattern, Add	*1,041.75*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,057.78*	
		For Staggered Brick Pattern, Add	*2,247.06*	

08 33 43 Overhead Coiling Smoke Curtains *(08 33)*

08 33 43 00-0001 Elevator Smoke Guard *(08 33 43)*

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	16,057.01	703.25
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	16,651.68	703.25
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	17,246.36	703.25

08 34 Special Function Doors *(08 30)*

08 34 13 Cold Storage Doors *(08 34)*

08 34 13 00-0001 Vertical Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0002	EA	7'-0" x 8'-0" Single Leaf Vertical Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	7,372.34	1,023.92
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*510.96*	
08 34 13 00-0003	EA	7'-0" x 9'-0" Bi-Pass Vertical Sliding Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	9,454.65	1,299.88
		For Adjusting Height Of Door To Fit Opening <7' Height, Add	*649.94*	

08 34 13 00-0004 Horizontal Sliding Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0005	EA	6'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,920.95	817.76
08 34 13 00-0006	EA	7'-0" x 9'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	6,673.80	922.13
08 34 13 00-0007	EA	7'-0" x 9'-0" Bi-Parting Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	8,631.79	1,215.25
08 34 13 00-0008	EA	5'-0" x 7'-0" Single Leaf Horizontal Sliding Cold Storage, Filled With 4" Foam In Place (FIP) Polyurethane	5,169.54	743.01

08 34 13 00-0009 Swinging Horizontal Hinged Cold Storage Doors *(08 34 13)*

Note: Doors to be filled with foamed-in-place polyurethane.

08 34 13 00-0010	EA	3'-0" x 7'-0" Swinging Cold Storage Door, Filled With 4" Foam In Place (FIP) Polyurethane	2,983.94	483.30

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,271.98	254.39
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,551.76	265.81
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,623.09	271.53
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,797.23	277.24
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,081.26	291.52
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,116.95	284.81
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,343.88	291.52
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,445.24	298.24
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,677.90	304.95
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,074.70	322.09

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,499.46	284.81
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,609.39	304.95
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,311.65	339.23
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,397.28	339.23

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,076.95	254.39
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,413.82	265.81
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,627.92	271.53
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,973.33	277.24
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,405.80	291.52

08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,412.90	284.81
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,550.45	304.95
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,417.35	339.23
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,057.68	339.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	2,015.32	254.39
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,120.62	265.81
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,352.89	271.53
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,625.88	277.24
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,047.31	291.52
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,888.18	284.81
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,264.27	291.52
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,260.73	298.24
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,636.85	304.95
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,879.51	322.09
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,539.04	284.81
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,711.43	304.95
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,617.12	339.23
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,752.72	339.23
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,432.31	254.39
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,618.97	265.81
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,749.59	271.53
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,415.81	277.24
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,203.35	291.52
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)* Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,722.15	284.81
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,375.91	304.95
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,471.49	339.23
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,220.64	339.23
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)* Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,108.30	254.39
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,945.02	265.81
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,264.62	271.53
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	5,590.26	277.24
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	6,365.44	291.52
08 34 23 00-0062		**Custom Size, Single Leaf, Aluminum** *(08 34 23 00-0001)* Note: Dimensions are inside of frame. Second dimension is hinge side dimension. For custom sizes, if dimension falls within the six inch increments, use the next larger size.		
08 34 23 00-0063		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0062)* Note: 300 Lbs./SF live load, Bilco J series		
08 34 23 00-0064	EA	Approx. 2' x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,543.05	190.69
08 34 23 00-0065	EA	Approx. 2'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,794.02	194.97
08 34 23 00-0066	EA	Approx. 3' x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,045.01	199.25
08 34 23 00-0067	EA	Approx. 3'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,206.56	203.54
08 34 23 00-0068	EA	Approx. 2' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,733.41	194.97
08 34 23 00-0069	EA	Approx. 2'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,016.15	199.25
08 34 23 00-0070	EA	Approx. 3' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,267.17	203.54
08 34 23 00-0071	EA	Approx. 3'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,396.96	207.82
08 34 23 00-0072	EA	Approx. 2' x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	2,955.54	199.25
08 34 23 00-0073	EA	Approx. 2'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,206.56	203.54
08 34 23 00-0074	EA	Approx. 3' x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,425.82	207.82
08 34 23 00-0075	EA	Approx. 3'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,800.91	213.54
08 34 23 00-0076	EA	Approx. 2' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,174.81	203.54
08 34 23 00-0077	EA	Approx. 2'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,365.21	207.82
08 34 23 00-0078	EA	Approx. 3' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,590.22	213.54
08 34 23 00-0079	EA	Approx. 3'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,024.45	218.54
08 34 23 00-0080	EA	Approx. 2' x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,336.35	207.82
08 34 23 00-0081	EA	Approx. 2'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,590.22	213.54
08 34 23 00-0082	EA	Approx. 3' x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,963.85	218.54
08 34 23 00-0083	EA	Approx. 3'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,398.12	223.53
08 34 23 00-0084	EA	Approx. 2' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,497.87	213.54
08 34 23 00-0085	EA	Approx. 2'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,810.89	218.54
08 34 23 00-0086	EA	Approx. 3' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,276.90	223.53
08 34 23 00-0087	EA	Approx. 3'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,892.99	228.53
08 34 23 00-0088	EA	Approx. 2' x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,689.72	218.54
08 34 23 00-0089	EA	Approx. 2'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,095.13	223.53
08 34 23 00-0090	EA	Approx. 3' x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,529.40	228.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0091	EA	Approx. 3'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,208.96	234.96
08 34 23 00-0092	EA	Approx. 2' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	3,881.62	223.53
08 34 23 00-0093	EA	Approx. 2'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,255.28	228.68
08 34 23 00-0094	EA	Approx. 3' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,753.03	235.11
08 34 23 00-0095	EA	Approx. 3'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,464.30	241.53
08 34 23 00-0096	EA	Approx. 2' x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,044.59	228.68
08 34 23 00-0097	EA	Approx. 2'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	4,663.56	235.11
08 34 23 00-0098	EA	Approx. 3' x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,129.51	241.53
08 34 23 00-0099	EA	Approx. 3'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, 300 Lb./SF LL	5,708.05	247.95

08 34 23 00-0100 Single Leaf Aluminum H2O Drainage Door *(08 34 23 00-0062)*

Note: AASHTO H-20 wheel loading, Bilco J H2O series

08 34 23 00-0101	EA	Approx. 2' x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,453.62	190.69
08 34 23 00-0102	EA	Approx. 2'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,886.42	194.97
08 34 23 00-0103	EA	Approx. 3' x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,379.84	199.25
08 34 23 00-0104	EA	Approx. 3'-6" x 2' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,115.72	203.54
08 34 23 00-0105	EA	Approx. 2' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,643.99	194.97
08 34 23 00-0106	EA	Approx. 2'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,166.27	199.25
08 34 23 00-0107	EA	Approx. 3' x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,780.93	203.54
08 34 23 00-0108	EA	Approx. 3'-6" x 2'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,334.98	207.82
08 34 23 00-0109	EA	Approx. 2' x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	4,923.84	199.25
08 34 23 00-0110	EA	Approx. 2'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,630.86	203.54
08 34 23 00-0111	EA	Approx. 3' x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,334.98	207.82
08 34 23 00-0112	EA	Approx. 3'-6" x 3' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,984.24	213.54
08 34 23 00-0113	EA	Approx. 2' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,723.21	203.54
08 34 23 00-0114	EA	Approx. 2'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,850.12	207.82
08 34 23 00-0115	EA	Approx. 3' x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,559.99	213.54
08 34 23 00-0116	EA	Approx. 3'-6" x 3'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,317.46	218.54
08 34 23 00-0117	EA	Approx. 2' x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,518.22	207.82
08 34 23 00-0118	EA	Approx. 2'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,317.56	213.54
08 34 23 00-0119	EA	Approx. 3' x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,115.44	218.54
08 34 23 00-0120	EA	Approx. 3'-6" x 4' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,971.07	223.53
08 34 23 00-0121	EA	Approx. 2' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,953.91	213.54
08 34 23 00-0122	EA	Approx. 2'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,477.61	218.54
08 34 23 00-0123	EA	Approx. 3' x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,569.91	223.53
08 34 23 00-0124	EA	Approx. 3'-6" x 4'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,587.16	228.53
08 34 23 00-0125	EA	Approx. 2' x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,327.59	218.54
08 34 23 00-0126	EA	Approx. 2'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,327.53	223.53
08 34 23 00-0127	EA	Approx. 3' x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,435.72	228.53
08 34 23 00-0128	EA	Approx. 3'-6" x 5' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,203.32	234.96
08 34 23 00-0129	EA	Approx. 2' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,004.35	223.53
08 34 23 00-0130	EA	Approx. 2'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,649.30	228.68
08 34 23 00-0131	EA	Approx. 3' x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,204.81	235.11
08 34 23 00-0132	EA	Approx. 3'-6" x 5'-6" Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,940.64	241.53
08 34 23 00-0133	EA	Approx. 2' x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,346.26	228.68
08 34 23 00-0134	EA	Approx. 2'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,083.55	235.11
08 34 23 00-0135	EA	Approx. 3' x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,659.22	241.53
08 34 23 00-0136	EA	Approx. 3'-6" x 6' Custom Size Single Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,634.62	247.95

08 34 23 00-0137 Custom Size, Double Leaf, Aluminum *(08 34 23 00-0001)*

Note: Dimensions are inside of frame. Second dimension is hinge side dimension. For custom sizes, if dimension falls within the six inch increments, use the next larger size.

08 34 23 00-0138 Double Leaf Aluminum Drainage Door *(08 34 23 00-0137)*

Note: 300 Lbs./SF live load, Bilco J series

08 34 23 00-0139	EA	Approx. 4' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	3,971.29	207.82
08 34 23 00-0140	EA	Approx. 4'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,164.55	213.54
08 34 23 00-0141	EA	Approx. 5' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,327.49	218.54
08 34 23 00-0142	EA	Approx. 5'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,640.55	223.53
08 34 23 00-0143	EA	Approx. 6' x 2' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,921.85	228.53
08 34 23 00-0144	EA	Approx. 4' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,135.69	213.54
08 34 23 00-0145	EA	Approx. 4'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,416.96	218.54
08 34 23 00-0146	EA	Approx. 5' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,701.16	223.53
08 34 23 00-0147	EA	Approx. 5'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,921.85	228.53
08 34 23 00-0148	EA	Approx. 6' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,208.90	234.96
08 34 23 00-0149	EA	Approx. 4' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,388.15	218.54
08 34 23 00-0150	EA	Approx. 4'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,822.42	223.53
08 34 23 00-0151	EA	Approx. 5' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,982.52	228.53
08 34 23 00-0152	EA	Approx. 5'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,298.43	234.96
08 34 23 00-0153	EA	Approx. 6' x 3' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,585.44	241.39
08 34 23 00-0154	EA	Approx. 4' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	4,822.42	223.53
08 34 23 00-0155	EA	Approx. 4'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,074.87	228.53
08 34 23 00-0156	EA	Approx. 5' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,087.74	234.96
08 34 23 00-0157	EA	Approx. 5'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,646.05	241.39
08 34 23 00-0158	EA	Approx. 6' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,921.56	247.81
08 34 23 00-0159	EA	Approx. 4' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,014.26	228.53
08 34 23 00-0160	EA	Approx. 4'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,359.03	234.96
08 34 23 00-0161	EA	Approx. 5' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,646.05	241.39
08 34 23 00-0162	EA	Approx. 5'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,982.17	247.81
08 34 23 00-0163	EA	Approx. 6' x 4' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,578.01	254.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0164	EA	Approx. 4' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,269.56	234.96
08 34 23 00-0165	EA	Approx. 4'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,706.66	241.39
08 34 23 00-0166	EA	Approx. 5' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,042.78	247.81
08 34 23 00-0167	EA	Approx. 5'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,427.93	254.25
08 34 23 00-0168	EA	Approx. 6' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,409.05	261.39
08 34 23 00-0169	EA	Approx. 4' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	5,787.47	241.39
08 34 23 00-0170	EA	Approx. 4'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,233.26	247.81
08 34 23 00-0171	EA	Approx. 5' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,488.54	254.25
08 34 23 00-0172	EA	Approx. 5'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,166.62	261.39
08 34 23 00-0173	EA	Approx. 6' x 5' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	8,227.08	269.24
08 34 23 00-0174	EA	Approx. 4' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,112.04	247.81
08 34 23 00-0175	EA	Approx. 4'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,488.54	254.25
08 34 23 00-0176	EA	Approx. 5' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,834.73	261.39
08 34 23 00-0177	EA	Approx. 5'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,606.58	269.24
08 34 23 00-0178	EA	Approx. 6' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	8,831.55	277.10
08 34 23 00-0179	EA	Approx. 4' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	6,367.32	254.25
08 34 23 00-0180	EA	Approx. 4'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,273.41	261.39
08 34 23 00-0181	EA	Approx. 5' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,574.83	269.24
08 34 23 00-0182	EA	Approx. 5'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	7,974.39	277.10
08 34 23 00-0183	EA	Approx. 6' x 6' Custom Size Double Leaf Aluminum Floor Door, 300 Lb./SF LL	9,513.99	285.09

08 34 23 00-0184 Double Leaf Aluminum H2O Drainage Door *(08 34 23 00-0137)*

Note: AASHTO H-20 wheel loading, Bilco J H2O series

08 34 23 00-0185	EA	Approx. 3' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	5,804.09	199.25
08 34 23 00-0186	EA	Approx. 3'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,479.36	203.54
08 34 23 00-0187	EA	Approx. 4' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,912.19	207.82
08 34 23 00-0188	EA	Approx. 4'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,073.71	213.54
08 34 23 00-0189	EA	Approx. 5' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,871.59	218.54
08 34 23 00-0190	EA	Approx. 5'-6" x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,063.43	223.53
08 34 23 00-0191	EA	Approx. 6' x 2' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,829.59	228.53
08 34 23 00-0192	EA	Approx. 3' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,055.16	203.54
08 34 23 00-0193	EA	Approx. 3'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,001.71	207.82
08 34 23 00-0194	EA	Approx. 4' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,316.19	213.54
08 34 23 00-0195	EA	Approx. 4'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,770.62	218.54
08 34 23 00-0196	EA	Approx. 5' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,447.33	223.53
08 34 23 00-0197	EA	Approx. 5'-6" x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,875.83	228.53
08 34 23 00-0198	EA	Approx. 6' x 2'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,812.24	234.96
08 34 23 00-0199	EA	Approx. 3' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	6,666.98	207.82
08 34 23 00-0200	EA	Approx. 3'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,529.81	213.54
08 34 23 00-0201	EA	Approx. 4' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,053.51	218.54
08 34 23 00-0202	EA	Approx. 4'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,305.97	223.53
08 34 23 00-0203	EA	Approx. 5' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,554.10	228.68
08 34 23 00-0204	EA	Approx. 5'-6" x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,901.78	235.11
08 34 23 00-0205	EA	Approx. 6' x 3' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,852.59	241.53
08 34 23 00-0206	EA	Approx. 3' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	7,195.07	213.68
08 34 23 00-0207	EA	Approx. 3'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,143.04	218.68
08 34 23 00-0208	EA	Approx. 4' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,562.88	223.67
08 34 23 00-0209	EA	Approx. 4'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,207.83	228.68
08 34 23 00-0210	EA	Approx. 5' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,103.86	235.11
08 34 23 00-0211	EA	Approx. 5'-6" x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,852.65	241.53
08 34 23 00-0212	EA	Approx. 6' x 3'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,598.59	247.95
08 34 23 00-0213	EA	Approx. 3'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	8,577.37	223.67
08 34 23 00-0214	EA	Approx. 4' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,635.03	228.68
08 34 23 00-0215	EA	Approx. 4'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,112.58	235.11
08 34 23 00-0216	EA	Approx. 5' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,982.59	241.53
08 34 23 00-0217	EA	Approx. 5'-6" x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,376.43	247.95
08 34 23 00-0218	EA	Approx. 6' x 4' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,373.44	254.39
08 34 23 00-0219	EA	Approx. 3'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,282.93	228.68
08 34 23 00-0220	EA	Approx. 4' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,323.26	235.11
08 34 23 00-0221	EA	Approx. 4'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,256.77	241.53
08 34 23 00-0222	EA	Approx. 5' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,543.83	247.95
08 34 23 00-0223	EA	Approx. 5'-6" x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,676.48	254.39
08 34 23 00-0224	EA	Approx. 6' x 4'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,054.45	261.53
08 34 23 00-0225	EA	Approx. 3'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	9,959.62	235.11
08 34 23 00-0226	EA	Approx. 4' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,732.97	241.53
08 34 23 00-0227	EA	Approx. 4'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	11,996.94	247.95
08 34 23 00-0228	EA	Approx. 5' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,129.59	254.39
08 34 23 00-0229	EA	Approx. 5'-6" x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,749.99	261.53
08 34 23 00-0230	EA	Approx. 6' x 5' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	16,461.28	269.38
08 34 23 00-0231	EA	Approx. 3'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	10,956.62	241.53
08 34 23 00-0232	EA	Approx. 4' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,481.80	247.95
08 34 23 00-0233	EA	Approx. 4'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,615.87	254.39
08 34 23 00-0234	EA	Approx. 5' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,825.03	261.53
08 34 23 00-0235	EA	Approx. 5'-6" x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	14,467.00	269.38
08 34 23 00-0236	EA	Approx. 6' x 5'-6" Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	17,625.67	277.24
08 34 23 00-0237	EA	Approx. 3'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,239.37	247.95
08 34 23 00-0238	EA	Approx. 4' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	12,765.95	254.39
08 34 23 00-0239	EA	Approx. 4'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	13,801.94	261.53
08 34 23 00-0240	EA	Approx. 5' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	14,386.19	269.38
08 34 23 00-0241	EA	Approx. 5'-6" x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	16,124.92	277.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0242	EA	Approx. 6' x 6' Custom Size Double Leaf Aluminum Floor Door, AASHTO H-20 Wheel Loading	18,640.01	285.09
08 34 23 00-0243		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0244		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - Q Series.		
08 34 23 00-0245	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,534.72	254.39
08 34 23 00-0246	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,848.63	265.81
08 34 23 00-0247	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,977.14	271.53
08 34 23 00-0248	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,059.89	277.24
08 34 23 00-0249	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,589.36	291.52
08 34 23 00-0250	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,333.95	284.81
08 34 23 00-0251	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,629.33	291.52
08 34 23 00-0252	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,930.34	298.24
08 34 23 00-0253	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,094.77	304.95
08 34 23 00-0254	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,543.22	322.09
08 34 23 00-0255		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - K Series.		
08 34 23 00-0256	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,254.98	254.39
08 34 23 00-0257	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,523.21	265.81
08 34 23 00-0258	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,685.98	271.53
08 34 23 00-0259	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,785.86	277.24
08 34 23 00-0260	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,069.84	291.52
08 34 23 00-0261		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - QD Series.		
08 34 23 00-0262	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,984.77	284.81
08 34 23 00-0263		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - KD Series.		
08 34 23 00-0264	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,837.86	304.95
08 34 23 00-0265	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	4,014.00	339.23
08 34 23 00-0266	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	4,082.50	339.23
08 34 23 00-0267		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - T Series.		
08 34 23 00-0268	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,409.12	254.39
08 34 23 00-0269	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,637.39	265.81
08 34 23 00-0270	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,743.07	271.53
08 34 23 00-0271	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,905.75	277.24
08 34 23 00-0272	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,229.70	291.52
08 34 23 00-0273		**Double Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - TD Series.		
08 34 23 00-0274	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,031.97	304.95
08 34 23 00-0275	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	4,213.81	339.23
08 34 23 00-0276	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	4,276.61	339.23
08 34 23 00-0277		**Single Leaf Steel Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - Q Series.		
08 34 23 00-0278	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,405.26	254.39
08 34 23 00-0279	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,557.89	265.81
08 34 23 00-0280	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,763.13	271.53
08 34 23 00-0281	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,859.81	277.24
08 34 23 00-0282		**Double Leaf Steel Non-Drainage Doors** *(08 34 23 00-0243)*		
		Note: Bilco - QD Series.		
08 34 23 00-0283	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,786.48	284.81
08 34 23 00-0284		**Basement Doors** *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0285	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,403.43	321.38
08 34 23 00-0286	EA	30" High x 47" Wide x 58" Long, Basement Door	1,104.04	243.53
08 34 23 00-0287	EA	22" High x 51" Wide x 64" Long, Basement Door	1,162.12	267.81
08 34 23 00-0288	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,241.27	285.67
08 34 23 00-0289	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,379.10	321.38

08 34 49 Radiation Shielding Doors and Frames *(08 34)*

08 34 49 13 Neutron Shielding Doors and Frames *(08 34 49)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 49 13-0001		**Lead Lined Doors And Frames** *(08 34 49 13)*		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door	141.90	14.29
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door	173.75	14.29
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame	153.49	14.29
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame	164.11	14.29
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		**Metal Security Doors, Bullet Resistant** *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	83.32	9.82
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,412.40	490.43
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	4,046.25	520.61
08 34 53 00-0005		**Metal Security Doors** *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	722.00	89.82
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	722.00	89.82
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	993.19	89.82
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 56		**Security Gates** *(08 34)*		
08 34 56 00-0001		**Pivoting Double Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	991.24	271.88
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,113.45	305.87
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,208.54	339.86
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,330.72	373.84
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,092.76	275.28
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,188.13	309.27
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,303.46	343.26
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,406.10	377.24
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,140.21	278.68
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,235.21	312.67
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,303.20	329.66
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,371.56	346.66
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,473.46	380.63
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,228.50	282.08
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,323.10	316.07
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,397.78	333.05
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,487.19	350.05
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate	1,622.29	384.03
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate	1,364.32	288.87
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,479.14	326.26
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate	1,587.64	346.66
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate	1,650.16	356.85
08 34 56 00-0024		**Pivoting Single Folding Gate** *(08 34 56)*		
		Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.		
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	678.96	190.32
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	719.67	197.11
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	760.39	203.91
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	814.72	217.51
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	855.46	231.10
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	719.47	197.11
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	760.48	203.91
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	801.19	210.71
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	855.44	224.30
08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	896.51	237.90
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate	773.73	203.91
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	814.75	210.71
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate	855.37	217.51
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate	909.85	231.10
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate	964.47	244.69
08 34 56 00-0040		**Window Gates, Expands From 2' To 4'** *(08 34 56)*		
		Note: Includes padlock hasp and galvanized finish. Excludes padlock.		
08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening	273.32	74.77
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening	286.92	81.57
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening	286.92	81.57
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening	301.05	88.36
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening	301.05	88.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening	314.64	95.16
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening	314.65	95.16
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening	328.23	101.95
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening	328.23	101.95
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening	341.83	108.75
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening	341.83	108.75

08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4' *(08 34 56)*

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening	355.42	115.56
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening	357.07	115.56
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening	372.86	122.35
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening	388.65	129.15
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening	390.85	129.15
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening	406.64	135.94
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening	408.83	135.94
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening	423.94	142.74
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening	426.82	142.74

08 34 73 Sound Control Door Assemblies *(08 34)*

08 34 73 13 Metal Sound Control Door Assemblies *(08 34 73)*

08 34 73 13-0001 Steel Acoustical Door Assembly *(08 34 73 13)*

Note: Includes seal.

08 34 73 13-0002 Steel Acoustical Doors *(08 34 73 13-0001)*

Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2119 for exit devices (panic bar).

08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,888.26	257.10
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*586.67*	
		For 45 Minutes Fire Rated, Add	*247.02*	
		For 60 Minutes Fire Rated, Add	*370.53*	
		For 90 Minutes Fire Rated, Add	*617.54*	
		For 120 Minutes Fire Rated, Add	*864.56*	
		For 45 STC Rating, Deduct	*-1,033.36*	
		For 48 STC Rating, Deduct	*-741.05*	
		For 52 STC Rating, Add	*576.37*	
		For 56 STC Rating, Add	*1,564.44*	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	5,169.08	267.81
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*622.10*	
		For 45 Minutes Fire Rated, Add	*261.94*	
		For 60 Minutes Fire Rated, Add	*392.91*	
		For 90 Minutes Fire Rated, Add	*654.85*	
		For 120 Minutes Fire Rated, Add	*916.78*	
		For 45 STC Rating, Deduct	*-1,095.78*	
		For 48 STC Rating, Deduct	*-785.82*	
		For 52 STC Rating, Add	*611.19*	
		For 56 STC Rating, Add	*1,658.94*	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	5,482.03	289.24
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*657.54*	
		For 45 Minutes Fire Rated, Add	*276.86*	
		For 60 Minutes Fire Rated, Add	*415.29*	
		For 90 Minutes Fire Rated, Add	*692.15*	
		For 120 Minutes Fire Rated, Add	*969.01*	
		For 45 STC Rating, Deduct	*-1,158.19*	
		For 48 STC Rating, Deduct	*-830.58*	
		For 52 STC Rating, Add	*646.00*	
		For 56 STC Rating, Add	*1,753.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors, Unrated	9,699.40	488.49
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,173.33*	
		For 45 Minutes Fire Rated, Add	*494.04*	
		For 60 Minutes Fire Rated, Add	*741.05*	
		For 90 Minutes Fire Rated, Add	*1,235.09*	
		For 120 Minutes Fire Rated, Add	*1,729.12*	
		For 45 STC Rating, Deduct	*-2,066.71*	
		For 48 STC Rating, Deduct	*-1,482.11*	
		For 52 STC Rating, Add	*1,152.75*	
		For 56 STC Rating, Add	*3,128.89*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	10,209.60	492.77
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,244.21*	
		For 45 Minutes Fire Rated, Add	*523.88*	
		For 60 Minutes Fire Rated, Add	*785.81*	
		For 90 Minutes Fire Rated, Add	*1,309.69*	
		For 120 Minutes Fire Rated, Add	*1,833.57*	
		For 45 STC Rating, Deduct	*-2,191.55*	
		For 48 STC Rating, Deduct	*-1,571.63*	
		For 52 STC Rating, Add	*1,222.38*	
		For 56 STC Rating, Add	*3,317.88*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,482.62	161.40
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*665.87*	
		For 45 Minutes Fire Rated, Add	*280.37*	
		For 60 Minutes Fire Rated, Add	*420.55*	
		For 90 Minutes Fire Rated, Add	*700.91*	
		For 120 Minutes Fire Rated, Add	*981.28*	
		For 45 STC Rating, Deduct	*-1,172.86*	
		For 48 STC Rating, Deduct	*-841.10*	
		For 52 STC Rating, Add	*654.19*	
		For 56 STC Rating, Add	*1,775.65*	
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,797.72	281.38
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*706.09*	
		For 45 Minutes Fire Rated, Add	*297.30*	
		For 60 Minutes Fire Rated, Add	*445.95*	
		For 90 Minutes Fire Rated, Add	*743.25*	
		For 120 Minutes Fire Rated, Add	*1,040.55*	
		For 45 STC Rating, Deduct	*-1,243.71*	
		For 48 STC Rating, Deduct	*-891.90*	
		For 52 STC Rating, Add	*693.70*	
		For 56 STC Rating, Add	*1,882.90*	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	6,148.53	304.24
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,727.98*	
		For Half Window Vision Lite, Add	*1,788.55*	
		For Full Window Vision Lite, Add	*1,849.12*	
		For 8' Height, Add	*746.31*	
		For 45 Minutes Fire Rated, Add	*314.23*	
		For 60 Minutes Fire Rated, Add	*471.35*	
		For 90 Minutes Fire Rated, Add	*785.59*	
		For 120 Minutes Fire Rated, Add	*1,099.82*	
		For 45 STC Rating, Deduct	*-1,314.55*	
		For 48 STC Rating, Deduct	*-942.70*	
		For 52 STC Rating, Add	*733.21*	
		For 56 STC Rating, Add	*1,990.15*	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors, Unrated	10,328.03	512.77
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,252.53*	
		For 45 Minutes Fire Rated, Add	*527.38*	
		For 60 Minutes Fire Rated, Add	*791.07*	
		For 90 Minutes Fire Rated, Add	*1,318.46*	
		For 120 Minutes Fire Rated, Add	*1,845.84*	
		For 45 STC Rating, Deduct	*-2,206.22*	
		For 48 STC Rating, Deduct	*-1,582.15*	
		For 52 STC Rating, Add	*1,230.56*	
		For 56 STC Rating, Add	*3,340.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	10,873.24	517.06
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,455.95*	
		For Pair Half Window Vision Lites, Add	*3,577.10*	
		For Pair Full Window Vision Lites, Add	*3,698.25*	
		For 8' Height, Add	*1,328.19*	
		For 45 Minutes Fire Rated, Add	*559.24*	
		For 60 Minutes Fire Rated, Add	*838.86*	
		For 90 Minutes Fire Rated, Add	*1,398.09*	
		For 120 Minutes Fire Rated, Add	*1,957.33*	
		For 45 STC Rating, Deduct	*-2,339.48*	
		For 48 STC Rating, Deduct	*-1,677.71*	
		For 52 STC Rating, Add	*1,304.89*	
		For 56 STC Rating, Add	*3,541.84*	
08 34 73 13-0013		**Steel Acoustical Door Frames** *(08 34 73 13-0001)*		
		Note: Includes threshold and rating up to STC 55.		
08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,475.10	142.84
		For 45 Minutes Fire Rated, Add	*203.26*	
		For 60 Minutes Fire Rated, Add	*348.45*	
		For 90 Minutes Fire Rated, Add	*493.64*	
		For 8' Height, Add	*333.93*	
		For 120 Minutes Fire Rated, Add	*696.90*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,557.36	142.84
		For 45 Minutes Fire Rated, Add	*209.02*	
		For 60 Minutes Fire Rated, Add	*358.32*	
		For 90 Minutes Fire Rated, Add	*507.62*	
		For 8' Height, Add	*343.39*	
		For 120 Minutes Fire Rated, Add	*716.64*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,639.61	142.84
		For 45 Minutes Fire Rated, Add	*214.78*	
		For 60 Minutes Fire Rated, Add	*368.19*	
		For 90 Minutes Fire Rated, Add	*521.61*	
		For 8' Height, Add	*352.85*	
		For 120 Minutes Fire Rated, Add	*736.38*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,721.87	142.84
		For 45 Minutes Fire Rated, Add	*220.54*	
		For 60 Minutes Fire Rated, Add	*378.06*	
		For 90 Minutes Fire Rated, Add	*535.59*	
		For 8' Height, Add	*362.31*	
		For 120 Minutes Fire Rated, Add	*756.13*	
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,960.72	157.12
		For 45 Minutes Fire Rated, Add	*233.26*	
		For 60 Minutes Fire Rated, Add	*399.87*	
		For 90 Minutes Fire Rated, Add	*566.48*	
		For 8' Height, Add	*383.21*	
		For 120 Minutes Fire Rated, Add	*799.74*	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,052.54	157.12
		For 45 Minutes Fire Rated, Add	*239.68*	
		For 60 Minutes Fire Rated, Add	*410.89*	
		For 90 Minutes Fire Rated, Add	*582.09*	
		For 8' Height, Add	*393.77*	
		For 120 Minutes Fire Rated, Add	*821.78*	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,134.79	157.12
		For 45 Minutes Fire Rated, Add	*245.44*	
		For 60 Minutes Fire Rated, Add	*420.76*	
		For 90 Minutes Fire Rated, Add	*596.07*	
		For 8' Height, Add	*403.23*	
		For 120 Minutes Fire Rated, Add	*841.52*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,236.81	157.12
		For 45 Minutes Fire Rated, Add	*252.58*	
		For 60 Minutes Fire Rated, Add	*433.00*	
		For 90 Minutes Fire Rated, Add	*613.42*	
		For 8' Height, Add	*414.96*	
		For 120 Minutes Fire Rated, Add	*866.00*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,438.82	164.25
		For 45 Minutes Fire Rated, Add	*264.72*	
		For 60 Minutes Fire Rated, Add	*453.81*	
		For 90 Minutes Fire Rated, Add	*642.90*	
		For 8' Height, Add	*434.90*	
		For 120 Minutes Fire Rated, Add	*907.63*	
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,521.07	164.25
		For 45 Minutes Fire Rated, Add	*270.48*	
		For 60 Minutes Fire Rated, Add	*463.68*	
		For 90 Minutes Fire Rated, Add	*656.89*	
		For 8' Height, Add	*444.36*	
		For 120 Minutes Fire Rated, Add	*927.37*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,603.33	164.25
		For 45 Minutes Fire Rated, Add	*276.24*	
		For 60 Minutes Fire Rated, Add	*473.55*	
		For 90 Minutes Fire Rated, Add	*670.87*	
		For 8' Height, Add	*453.82*	
		For 120 Minutes Fire Rated, Add	*947.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,695.15	164.25
		For 45 Minutes Fire Rated, Add	*282.67*	
		For 60 Minutes Fire Rated, Add	*484.57*	
		For 90 Minutes Fire Rated, Add	*686.48*	
		For 8' Height, Add	*464.38*	
		For 120 Minutes Fire Rated, Add	*969.15*	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,625.31	185.68
		For 45 Minutes Fire Rated, Add	*481.78*	
		For 60 Minutes Fire Rated, Add	*825.91*	
		For 90 Minutes Fire Rated, Add	*1,170.04*	
		For 8' Height, Add	*791.50*	
		For 120 Minutes Fire Rated, Add	*1,651.82*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,703.74	185.68
		For 45 Minutes Fire Rated, Add	*487.27*	
		For 60 Minutes Fire Rated, Add	*835.32*	
		For 90 Minutes Fire Rated, Add	*1,183.37*	
		For 8' Height, Add	*800.52*	
		For 120 Minutes Fire Rated, Add	*1,670.64*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,787.91	185.68
		For 45 Minutes Fire Rated, Add	*493.16*	
		For 60 Minutes Fire Rated, Add	*845.42*	
		For 90 Minutes Fire Rated, Add	*1,197.68*	
		For 8' Height, Add	*810.19*	
		For 120 Minutes Fire Rated, Add	*1,690.84*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,873.99	185.68
		For 45 Minutes Fire Rated, Add	*499.19*	
		For 60 Minutes Fire Rated, Add	*855.75*	
		For 90 Minutes Fire Rated, Add	*1,212.31*	
		For 8' Height, Add	*820.09*	
		For 120 Minutes Fire Rated, Add	*1,711.50*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,170.06	192.83
		For 45 Minutes Fire Rated, Add	*517.91*	
		For 60 Minutes Fire Rated, Add	*887.85*	
		For 90 Minutes Fire Rated, Add	*1,257.79*	
		For 8' Height, Add	*850.86*	
		For 120 Minutes Fire Rated, Add	*1,775.70*	
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,254.37	192.83
		For 45 Minutes Fire Rated, Add	*523.81*	
		For 60 Minutes Fire Rated, Add	*897.97*	
		For 90 Minutes Fire Rated, Add	*1,272.12*	
		For 8' Height, Add	*860.55*	
		For 120 Minutes Fire Rated, Add	*1,795.94*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,344.85	192.83
		For 45 Minutes Fire Rated, Add	*530.15*	
		For 60 Minutes Fire Rated, Add	*908.83*	
		For 90 Minutes Fire Rated, Add	*1,287.50*	
		For 8' Height, Add	*870.96*	
		For 120 Minutes Fire Rated, Add	*1,817.65*	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,437.39	192.83
		For 45 Minutes Fire Rated, Add	*536.63*	
		For 60 Minutes Fire Rated, Add	*919.93*	
		For 90 Minutes Fire Rated, Add	*1,303.24*	
		For 8' Height, Add	*881.60*	
		For 120 Minutes Fire Rated, Add	*1,839.86*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,797.74	142.84
		For 45 Minutes Fire Rated, Add	*225.85*	
		For 60 Minutes Fire Rated, Add	*387.17*	
		For 90 Minutes Fire Rated, Add	*548.49*	
		For 8' Height, Add	*371.04*	
		For 120 Minutes Fire Rated, Add	*774.34*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,889.14	142.84
		For 45 Minutes Fire Rated, Add	*232.25*	
		For 60 Minutes Fire Rated, Add	*398.14*	
		For 90 Minutes Fire Rated, Add	*564.03*	
		For 8' Height, Add	*381.55*	
		For 120 Minutes Fire Rated, Add	*796.27*	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,980.53	142.84
		For 45 Minutes Fire Rated, Add	*238.64*	
		For 60 Minutes Fire Rated, Add	*409.10*	
		For 90 Minutes Fire Rated, Add	*579.56*	
		For 8' Height, Add	*392.06*	
		For 120 Minutes Fire Rated, Add	*818.21*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,071.92	142.84
		For 45 Minutes Fire Rated, Add	*245.04*	
		For 60 Minutes Fire Rated, Add	*420.07*	
		For 90 Minutes Fire Rated, Add	*595.10*	
		For 8' Height, Add	*402.57*	
		For 120 Minutes Fire Rated, Add	*840.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,330.97	157.12
		For 45 Minutes Fire Rated, Add	*259.18*	
		For 60 Minutes Fire Rated, Add	*444.30*	
		For 90 Minutes Fire Rated, Add	*629.43*	
		For 8' Height, Add	*425.79*	
		For 120 Minutes Fire Rated, Add	*888.60*	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,432.99	157.12
		For 45 Minutes Fire Rated, Add	*266.32*	
		For 60 Minutes Fire Rated, Add	*456.54*	
		For 90 Minutes Fire Rated, Add	*646.77*	
		For 8' Height, Add	*437.52*	
		For 120 Minutes Fire Rated, Add	*913.08*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,524.39	157.12
		For 45 Minutes Fire Rated, Add	*272.71*	
		For 60 Minutes Fire Rated, Add	*467.51*	
		For 90 Minutes Fire Rated, Add	*662.31*	
		For 8' Height, Add	*448.03*	
		For 120 Minutes Fire Rated, Add	*935.02*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,637.74	157.12
		For 45 Minutes Fire Rated, Add	*280.65*	
		For 60 Minutes Fire Rated, Add	*481.11*	
		For 90 Minutes Fire Rated, Add	*681.58*	
		For 8' Height, Add	*461.07*	
		For 120 Minutes Fire Rated, Add	*962.22*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,859.02	164.25
		For 45 Minutes Fire Rated, Add	*294.14*	
		For 60 Minutes Fire Rated, Add	*504.24*	
		For 90 Minutes Fire Rated, Add	*714.34*	
		For 8' Height, Add	*483.23*	
		For 120 Minutes Fire Rated, Add	*1,008.48*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,950.41	164.25
		For 45 Minutes Fire Rated, Add	*300.54*	
		For 60 Minutes Fire Rated, Add	*515.20*	
		For 90 Minutes Fire Rated, Add	*729.87*	
		For 8' Height, Add	*493.74*	
		For 120 Minutes Fire Rated, Add	*1,030.41*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	5,041.80	164.25
		For 45 Minutes Fire Rated, Add	*306.93*	
		For 60 Minutes Fire Rated, Add	*526.17*	
		For 90 Minutes Fire Rated, Add	*745.41*	
		For 8' Height, Add	*504.25*	
		For 120 Minutes Fire Rated, Add	*1,052.34*	
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	5,143.82	164.25
		For 45 Minutes Fire Rated, Add	*314.07*	
		For 60 Minutes Fire Rated, Add	*538.41*	
		For 90 Minutes Fire Rated, Add	*762.75*	
		For 8' Height, Add	*515.98*	
		For 120 Minutes Fire Rated, Add	*1,076.83*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,390.04	185.68
		For 45 Minutes Fire Rated, Add	*535.31*	
		For 60 Minutes Fire Rated, Add	*917.68*	
		For 90 Minutes Fire Rated, Add	*1,300.04*	
		For 8' Height, Add	*879.44*	
		For 120 Minutes Fire Rated, Add	*1,835.35*	
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,477.18	185.68
		For 45 Minutes Fire Rated, Add	*541.41*	
		For 60 Minutes Fire Rated, Add	*928.13*	
		For 90 Minutes Fire Rated, Add	*1,314.85*	
		For 8' Height, Add	*889.46*	
		For 120 Minutes Fire Rated, Add	*1,856.27*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,570.70	185.68
		For 45 Minutes Fire Rated, Add	*547.96*	
		For 60 Minutes Fire Rated, Add	*939.36*	
		For 90 Minutes Fire Rated, Add	*1,330.75*	
		For 8' Height, Add	*900.22*	
		For 120 Minutes Fire Rated, Add	*1,878.71*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,666.35	185.68
		For 45 Minutes Fire Rated, Add	*554.65*	
		For 60 Minutes Fire Rated, Add	*950.83*	
		For 90 Minutes Fire Rated, Add	*1,347.01*	
		For 8' Height, Add	*911.22*	
		For 120 Minutes Fire Rated, Add	*1,901.67*	
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,992.15	192.83
		For 45 Minutes Fire Rated, Add	*575.46*	
		For 60 Minutes Fire Rated, Add	*986.50*	
		For 90 Minutes Fire Rated, Add	*1,397.54*	
		For 8' Height, Add	*945.40*	
		For 120 Minutes Fire Rated, Add	*1,973.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,085.83	192.83
		For 45 Minutes Fire Rated, Add	*582.02*	
		For 60 Minutes Fire Rated, Add	*997.74*	
		For 90 Minutes Fire Rated, Add	*1,413.47*	
		For 8' Height, Add	*956.17*	
		For 120 Minutes Fire Rated, Add	*1,995.49*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,186.36	192.83
		For 45 Minutes Fire Rated, Add	*589.05*	
		For 60 Minutes Fire Rated, Add	*1,009.81*	
		For 90 Minutes Fire Rated, Add	*1,430.56*	
		For 8' Height, Add	*967.73*	
		For 120 Minutes Fire Rated, Add	*2,019.61*	
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,289.18	192.83
		For 45 Minutes Fire Rated, Add	*596.25*	
		For 60 Minutes Fire Rated, Add	*1,022.15*	
		For 90 Minutes Fire Rated, Add	*1,448.04*	
		For 8' Height, Add	*979.56*	
		For 120 Minutes Fire Rated, Add	*2,044.29*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,906.66	399.93
		For 8' Height, Add	*172.76*	
		For 2-1/4" Thick, Add	*164.33*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,124.61	399.93
		For 8' Height, Add	*190.63*	
		For 2-1/4" Thick, Add	*181.33*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,245.69	399.93
		For 8' Height, Add	*200.56*	
		For 2-1/4" Thick, Add	*190.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,366.77	399.93
		For 8' Height, Add	*210.49*	
		For 2-1/4" Thick, Add	*200.22*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	3,899.52	399.93
		For 8' Height, Add	*254.17*	
		For 2-1/4" Thick, Add	*241.77*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,061.89	399.93
		For 8' Height, Add	*349.49*	
		For 2-1/4" Thick, Add	*332.44*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,287.09	399.93
		For 8' Height, Add	*367.95*	
		For 2-1/4" Thick, Add	*350.00*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated	5,860.95	399.93
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*415.01*	
		For 2-1/4" Thick, Add	*394.76*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	6,187.93	399.93
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*441.82*	
		For 2-1/4" Thick, Add	*420.27*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0011	EA	3' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated	6,523.93	399.93
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*469.37*	
		For 2-1/4" Thick, Add	*446.48*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0012	EA	3' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	6,859.92	399.93
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*496.92*	
		For 2-1/4" Thick, Add	*472.68*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0013	EA	3' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	7,985.22	399.93
		For 8' Height, Add	*589.20*	
		For 2-1/4" Thick, Add	*560.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0014	EA	3' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	8,479.91	399.93
		For 8' Height, Add	*629.76*	
		For 2-1/4" Thick, Add	*599.04*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0015	EA	3' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	8,847.45	399.93
		For 8' Height, Add	*659.90*	
		For 2-1/4" Thick, Add	*627.71*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0016	EA	3'-6" x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	3,093.24	414.22
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*185.71*	
		For 2-1/4" Thick, Add	*176.65*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0017	EA	3'-6" x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,327.53	414.22
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*204.93*	
		For 2-1/4" Thick, Add	*194.93*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0018	EA	3'-6" x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,457.69	414.22
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*215.60*	
		For 2-1/4" Thick, Add	*205.08*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0019	EA	3'-6" x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	3,587.85	414.22
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*226.27*	
		For 2-1/4" Thick, Add	*215.23*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0020	EA	3'-6" x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	4,160.56	414.22
		For 8' Height, Add	*273.23*	
		For 2-1/4" Thick, Add	*259.91*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0021	EA	3'-6" x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,410.11	414.22
		For 8' Height, Add	*375.70*	
		For 2-1/4" Thick, Add	*357.37*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0022	EA	3'-6" x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	5,652.21	414.22
		For 8' Height, Add	*395.55*	
		For 2-1/4" Thick, Add	*376.25*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0023	EA	3'-6" x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,269.10	414.22
		For 8' Height, Add	*446.13*	
		For 2-1/4" Thick, Add	*424.37*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0024	EA	3'-6" x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,620.60	414.22
		For 8' Height, Add	*474.96*	
		For 2-1/4" Thick, Add	*451.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0025	EA	3'-6" x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	6,981.80	414.22
		For 8' Height, Add	*504.58*	
		For 2-1/4" Thick, Add	*479.96*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0026	EA	3'-6" x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	7,343.00	414.22
		For 8' Height, Add	*534.19*	
		For 2-1/4" Thick, Add	*508.14*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0027	EA	3'-6" x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	8,552.69	414.22
		For 8' Height, Add	*633.39*	
		For 2-1/4" Thick, Add	*602.49*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0028	EA	3'-6" x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	9,084.48	414.22
		For 8' Height, Add	*677.00*	
		For 2-1/4" Thick, Add	*643.97*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0029	EA	3'-6" x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	9,479.59	414.22
		For 8' Height, Add	*709.39*	
		For 2-1/4" Thick, Add	*674.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0030	EA	4' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	3,490.49	428.51
		For 8' Height, Add	*215.95*	
		For 2-1/4" Thick, Add	*205.41*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0031	EA	4' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,762.92	428.51
		For 8' Height, Add	*238.29*	
		For 2-1/4" Thick, Add	*226.66*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0032	EA	4' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,914.27	428.51
		For 8' Height, Add	*250.70*	
		For 2-1/4" Thick, Add	*238.47*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0033	EA	4' x 7' x 1-3/4" Thick, STC 31-32, Wood Acoustical Door System, Unrated	4,065.62	428.51
		For 8' Height, Add	*263.11*	
		For 2-1/4" Thick, Add	*250.27*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0034	EA	4' x 7' x 1-3/4" Thick, STC 35-36, Wood Acoustical Door System, Unrated	4,731.56	428.51
		For 8' Height, Add	*317.71*	
		For 2-1/4" Thick, Add	*302.22*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0035	EA	4' x 7' x 1-3/4" Thick, STC 40-41, Wood Acoustical Door System, Unrated	6,184.52	428.51
		For 8' Height, Add	*436.86*	
		For 2-1/4" Thick, Add	*415.55*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0036	EA	4' x 7' x 1-3/4" Thick, STC 42-43, Wood Acoustical Door System, Unrated	6,466.03	428.51
		For 8' Height, Add	*459.94*	
		For 2-1/4" Thick, Add	*437.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0037	EA	4' x 7' x 1-3/4" Thick, STC 44-45, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	7,183.35	428.51
		For 8' Height, Add	*518.76*	
		For 2-1/4" Thick, Add	*493.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0038	EA	4' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	7,592.08	428.51
		For 8' Height, Add	*552.28*	
		For 2-1/4" Thick, Add	*525.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0039	EA	4' x 7' x 1-3/4" Thick, STC 47-48, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	8,012.07	428.51
		For 8' Height, Add	*586.72*	
		For 2-1/4" Thick, Add	*558.10*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0040	EA	4' x 7' x 1-3/4" Thick, STC 49-50, Wood Acoustical Door System, Unrated	8,432.07	428.51
		For 8' Height, Add	*621.16*	
		For 2-1/4" Thick, Add	*590.86*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0041	EA	4' x 7' x 1-3/4" Thick, STC 51-52, Wood Acoustical Door System, Unrated	9,838.69	428.51
		For 8' Height, Add	*736.50*	
		For 2-1/4" Thick, Add	*700.57*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0042	EA	4' x 7' x 1-3/4" Thick, STC 54-55, Wood Acoustical Door System, Unrated	10,457.05	428.51
		For 8' Height, Add	*787.20*	
		For 2-1/4" Thick, Add	*748.80*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0043	EA	4' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	10,916.48	428.51
		For 8' Height, Add	*824.88*	
		For 2-1/4" Thick, Add	*784.64*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

08 35 Folding Doors *(08 30)*

08 35 13 Folding Doors *(08 35)*

08 35 13 13 Accordion Folding Doors *(08 35 13)*

08 35 13 13-0001 Accordion Folding Doors *(08 35 13 13)*
Note: Includes track, fittings and hardware, complete.

08 35 13 13-0002	SF	Fire-Resistant, Vinyl Fabric Installed On Welded Steel Frames, Accordion Folding Door	104.31	14.29
		For Fire Retardant, Add	*22.86*	
08 35 13 13-0003	SF	1/32" Thick, Single Ply Vinyl, Accordion Folding Door	23.67	14.29
		For Fire Retardant, Add	*2.70*	
08 35 13 13-0004	SF	0.04" Thick, Fire-Resistant, Rigid Vinyl Panels, Accordion Folding Door	48.93	14.29
		For Fire Retardant, Add	*9.02*	
08 35 13 13-0005	SF	3/8" Thick, Fire-Resistant, Wood Veneer, Vinyl Or High Pressure Laminate, High-Density Engineered Wood Core Panel, Accordion Folding Door	67.97	14.29
		For Fire Retardant, Add	*13.78*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-1285 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,237.86	571.34
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,986.30	634.18
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	5,059.82	759.88
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	7,176.96	879.86
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,819.31	1,142.67
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,627.62	1,428.34
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	13,552.33	1,903.98

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*
Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,666.55	285.67
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*518.54*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,562.51	285.67
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*561.00*	
		For Each Glass Vision Panel In Door, Add	*50.00*	

08 36 13 00-0013 Sectional Metal Overhead Doors (Width x Height) *(08 36 13)*
Note: Includes tracks and all hardware.

08 36 13 00-0014 Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

08 36 13 00-0015 Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*
Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,346.51	499.92
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*195.27*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*336.67*	
		For Aluminum, Mill Finish, Add	*153.52*	
		For Aluminum, Anodized Finish, Add	*429.59*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,768.41	571.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*235.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.44*	
		For Aluminum, Mill Finish, Add	*185.33*	
		For Aluminum, Anodized Finish, Add	*518.61*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,416.04	714.17
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*288.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*496.93*	
		For Aluminum, Mill Finish, Add	*226.60*	
		For Aluminum, Anodized Finish, Add	*634.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,644.12	571.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*217.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*375.36*	
		For Aluminum, Mill Finish, Add	*171.17*	
		For Aluminum, Anodized Finish, Add	*478.96*	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,256.86	714.17
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*265.14*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*457.13*	
		For Aluminum, Mill Finish, Add	*208.45*	
		For Aluminum, Anodized Finish, Add	*583.30*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,093.11	928.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*324.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*559.07*	
		For Aluminum, Mill Finish, Add	*254.94*	
		For Aluminum, Anodized Finish, Add	*713.37*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,831.26	1,142.67
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*369.16*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*636.48*	
		For Aluminum, Mill Finish, Add	*290.23*	
		For Aluminum, Anodized Finish, Add	*812.15*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,152.23	714.17
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*249.96*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*430.97*	
		For Aluminum, Mill Finish, Add	*196.52*	
		For Aluminum, Anodized Finish, Add	*549.92*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,936.13	928.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*301.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*519.83*	
		For Aluminum, Mill Finish, Add	*237.04*	
		For Aluminum, Anodized Finish, Add	*663.30*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,802.89	1,142.67
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*365.04*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*629.39*	
		For Aluminum, Mill Finish, Add	*287.00*	
		For Aluminum, Anodized Finish, Add	*803.10*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,665.33	1,356.92
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*427.96*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.87*	
		For Aluminum, Mill Finish, Add	*336.47*	
		For Aluminum, Anodized Finish, Add	*941.52*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,757.78	1,642.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*503.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*868.15*	
		For Aluminum, Mill Finish, Add	*395.88*	
		For Aluminum, Anodized Finish, Add	*1,107.76*	
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,728.99	928.42
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*271.46*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*468.04*	
		For Aluminum, Mill Finish, Add	*213.43*	
		For Aluminum, Anodized Finish, Add	*597.22*	
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,587.04	1,142.67
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*333.75*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*575.43*	
		For Aluminum, Mill Finish, Add	*262.39*	
		For Aluminum, Anodized Finish, Add	*734.24*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,657.69	1,428.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.15*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*700.25*	
		For Aluminum, Mill Finish, Add	*319.32*	
		For Aluminum, Anodized Finish, Add	*893.52*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,524.47	1,642.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*469.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*809.83*	
		For Aluminum, Mill Finish, Add	*369.28*	
		For Aluminum, Anodized Finish, Add	*1,033.34*	
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,506.81	1,856.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*550.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*948.28*	
		For Aluminum, Mill Finish, Add	*432.42*	
		For Aluminum, Anodized Finish, Add	*1,210.01*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,510.71	1,142.67
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*322.68*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*556.34*	
		For Aluminum, Mill Finish, Add	*253.69*	
		For Aluminum, Anodized Finish, Add	*709.89*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,577.01	1,428.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*394.45*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*680.08*	
		For Aluminum, Mill Finish, Add	*310.12*	
		For Aluminum, Anodized Finish, Add	*867.79*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,565.88	1,642.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*475.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*820.18*	
		For Aluminum, Mill Finish, Add	*374.00*	
		For Aluminum, Anodized Finish, Add	*1,046.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,833.88	1,856.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*597.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,030.05*	
		For Aluminum, Mill Finish, Add	*469.70*	
		For Aluminum, Anodized Finish, Add	*1,314.34*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,126.95	2,142.51
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*702.08*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,210.48*	
		For Aluminum, Mill Finish, Add	*551.98*	
		For Aluminum, Anodized Finish, Add	*1,544.57*	
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,744.93	1,428.34
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*418.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*722.06*	
		For Aluminum, Mill Finish, Add	*329.26*	
		For Aluminum, Anodized Finish, Add	*921.35*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,866.81	1,642.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*519.34*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*895.41*	
		For Aluminum, Mill Finish, Add	*408.31*	
		For Aluminum, Anodized Finish, Add	*1,142.54*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,313.57	1,856.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*666.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,149.97*	
		For Aluminum, Mill Finish, Add	*524.39*	
		For Aluminum, Anodized Finish, Add	*1,467.36*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,608.84	2,142.51
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*771.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,330.95*	
		For Aluminum, Mill Finish, Add	*606.91*	
		For Aluminum, Anodized Finish, Add	*1,698.29*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,039.30	2,428.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*896.52*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,545.73*	
		For Aluminum, Mill Finish, Add	*704.85*	
		For Aluminum, Anodized Finish, Add	*1,972.35*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,524.47	1,642.59
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*469.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*809.83*	
		For Aluminum, Mill Finish, Add	*369.28*	
		For Aluminum, Anodized Finish, Add	*1,033.34*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,646.36	1,856.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*570.24*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*983.17*	
		For Aluminum, Mill Finish, Add	*448.33*	
		For Aluminum, Anodized Finish, Add	*1,254.52*	
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,440.95	2,142.51
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*747.61*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,288.98*	
		For Aluminum, Mill Finish, Add	*587.77*	
		For Aluminum, Anodized Finish, Add	*1,644.74*	
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,736.21	2,428.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*852.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,469.96*	
		For Aluminum, Mill Finish, Add	*670.30*	
		For Aluminum, Anodized Finish, Add	*1,875.67*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,265.61	2,713.85
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,136.49*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,959.47*	
		For Aluminum, Mill Finish, Add	*893.52*	
		For Aluminum, Anodized Finish, Add	*2,500.28*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,262.59	1,856.84
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*514.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*887.23*	
		For Aluminum, Mill Finish, Add	*404.58*	
		For Aluminum, Anodized Finish, Add	*1,132.10*	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,972.17	2,142.51
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*679.63*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,171.78*	
		For Aluminum, Mill Finish, Add	*534.33*	
		For Aluminum, Anodized Finish, Add	*1,495.19*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,638.09	2,428.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*838.35*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,445.43*	
		For Aluminum, Mill Finish, Add	*659.11*	
		For Aluminum, Anodized Finish, Add	*1,844.37*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,561.32	2,713.85
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,034.37*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,783.40*	
		For Aluminum, Mill Finish, Add	*813.23*	
		For Aluminum, Anodized Finish, Add	*2,275.62*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,168.31	2,999.52
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,184.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,042.33*	
		For Aluminum, Mill Finish, Add	*931.30*	
		For Aluminum, Anodized Finish, Add	*2,606.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,045.48	2,142.51
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*545.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*940.11*	
		For Aluminum, Mill Finish, Add	*428.69*	
		For Aluminum, Anodized Finish, Add	*1,199.58*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,822.58	2,428.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*720.10*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,241.55*	
		For Aluminum, Mill Finish, Add	*566.15*	
		For Aluminum, Anodized Finish, Add	*1,584.22*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,976.96	2,713.85
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*949.64*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,637.31*	
		For Aluminum, Mill Finish, Add	*746.61*	
		For Aluminum, Anodized Finish, Add	*2,089.20*	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,392.08	2,999.52
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,072.00*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,848.27*	
		For Aluminum, Mill Finish, Add	*842.81*	
		For Aluminum, Anodized Finish, Add	*2,358.39*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,038.38	3,285.18
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,227.87*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,117.01*	
		For Aluminum, Mill Finish, Add	*965.36*	
		For Aluminum, Anodized Finish, Add	*2,701.30*	
08 36 13 00-0058		**Insulated, 24 Gauge Galvanized Steel Sectional Doors** *(08 36 13 00-0014)*		
		Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,988.18	499.92
		For Aluminum, Mill Finish, Add	*226.67*	
		For Aluminum, Anodized Finish, Add	*634.28*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*248.54*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*497.09*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,292.42*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,485.43*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,564.87	571.34
		For Aluminum, Mill Finish, Add	*276.13*	
		For Aluminum, Anodized Finish, Add	*772.68*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*302.78*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*605.55*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,574.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,027.75*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,376.88	714.17
		For Aluminum, Mill Finish, Add	*336.13*	
		For Aluminum, Anodized Finish, Add	*940.58*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*368.57*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,916.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,685.68*	
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,476.42	571.34
		For Aluminum, Mill Finish, Add	*266.05*	
		For Aluminum, Anodized Finish, Add	*744.47*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*291.72*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*583.44*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,516.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,917.19*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,267.93	714.17
		For Aluminum, Mill Finish, Add	*323.71*	
		For Aluminum, Anodized Finish, Add	*905.83*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*354.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*709.90*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,845.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,549.49*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,422.21	928.42
		For Aluminum, Mill Finish, Add	*406.45*	
		For Aluminum, Anodized Finish, Add	*1,137.36*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*445.67*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*891.35*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,317.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,456.73*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,282.52	1,142.67
		For Aluminum, Mill Finish, Add	*455.68*	
		For Aluminum, Anodized Finish, Add	*1,275.10*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*499.65*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*999.30*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,598.17*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,996.48*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,101.38	714.17
		For Aluminum, Mill Finish, Add	*304.73*	
		For Aluminum, Anodized Finish, Add	*852.70*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*334.13*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*668.26*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,737.48*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,341.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,107.64	928.42
		For Aluminum, Mill Finish, Add	*370.59*	
		For Aluminum, Anodized Finish, Add	*1,037.01*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*406.35*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*812.70*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,113.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,063.51*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,227.02	1,142.67
		For Aluminum, Mill Finish, Add	*449.35*	
		For Aluminum, Anodized Finish, Add	*1,257.40*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*492.71*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*985.42*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,562.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,927.10*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,278.53	1,356.92
		For Aluminum, Mill Finish, Add	*520.37*	
		For Aluminum, Anodized Finish, Add	*1,456.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*570.59*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,141.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,967.04*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,705.85*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,836.79	1,642.59
		For Aluminum, Mill Finish, Add	*632.88*	
		For Aluminum, Anodized Finish, Add	*1,770.97*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*693.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,387.91*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,608.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,939.53*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,862.96	928.42
		For Aluminum, Mill Finish, Add	*342.70*	
		For Aluminum, Anodized Finish, Add	*958.96*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*375.77*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*751.53*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,953.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,757.66*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,031.68	1,142.67
		For Aluminum, Mill Finish, Add	*427.08*	
		For Aluminum, Anodized Finish, Add	*1,195.08*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*468.29*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*936.59*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,435.12*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,682.93*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,332.95	1,428.34
		For Aluminum, Mill Finish, Add	*510.29*	
		For Aluminum, Anodized Finish, Add	*1,427.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*559.53*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,119.07*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,909.58*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,595.34*	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,647.62	1,642.59
		For Aluminum, Mill Finish, Add	*611.32*	
		For Aluminum, Anodized Finish, Add	*1,710.62*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*670.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,340.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,485.59*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,703.06*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,929.43	1,856.84
		For Aluminum, Mill Finish, Add	*708.60*	
		For Aluminum, Anodized Finish, Add	*1,982.82*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*776.97*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,553.94*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,040.24*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,769.69*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,819.90	1,142.67
		For Aluminum, Mill Finish, Add	*402.94*	
		For Aluminum, Anodized Finish, Add	*1,127.52*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*441.82*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*883.64*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,297.46*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,418.20*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,497.44	1,428.34
		For Aluminum, Mill Finish, Add	*529.05*	
		For Aluminum, Anodized Finish, Add	*1,480.40*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*580.10*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,160.19*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,016.49*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,800.95*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,758.66	1,642.59
		For Aluminum, Mill Finish, Add	*623.98*	
		For Aluminum, Anodized Finish, Add	*1,746.04*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*684.19*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,368.37*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,557.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,841.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,028.11	1,856.84
		For Aluminum, Mill Finish, Add	*719.85*	
		For Aluminum, Anodized Finish, Add	*2,014.30*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*789.30*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,578.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,104.38*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,893.04*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,866.05	2,142.51
		For Aluminum, Mill Finish, Add	*864.24*	
		For Aluminum, Anodized Finish, Add	*2,418.34*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*947.63*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,895.25*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,927.66*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,476.26*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,699.64	1,428.34
		For Aluminum, Mill Finish, Add	*438.10*	
		For Aluminum, Anodized Finish, Add	*1,225.90*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*480.37*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*960.74*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,497.92*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,803.70*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,320.69	1,642.59
		For Aluminum, Mill Finish, Add	*574.05*	
		For Aluminum, Anodized Finish, Add	*1,606.33*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*629.44*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,258.88*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,273.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,294.40*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,666.22	1,856.84
		For Aluminum, Mill Finish, Add	*678.59*	
		For Aluminum, Anodized Finish, Add	*1,898.86*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*744.07*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,488.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,869.15*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,440.68*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,075.78	2,142.51
		For Aluminum, Mill Finish, Add	*888.14*	
		For Aluminum, Anodized Finish, Add	*2,485.25*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*973.84*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,947.69*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,063.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,738.43*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,220.78	2,428.18
		For Aluminum, Mill Finish, Add	*953.54*	
		For Aluminum, Anodized Finish, Add	*2,668.24*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,045.55*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,091.10*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,436.86*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,455.50*	
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,281.62	1,642.59
		For Aluminum, Mill Finish, Add	*569.60*	
		For Aluminum, Anodized Finish, Add	*1,593.87*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*624.56*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,249.11*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,247.69*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,245.56*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,756.72	1,856.84
		For Aluminum, Mill Finish, Add	*688.91*	
		For Aluminum, Anodized Finish, Add	*1,927.73*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*755.38*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,510.76*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,927.98*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,553.80*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,497.27	2,142.51
		For Aluminum, Mill Finish, Add	*936.19*	
		For Aluminum, Anodized Finish, Add	*2,619.70*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,026.53*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,053.06*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,337.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,265.29*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,597.04	2,428.18
		For Aluminum, Mill Finish, Add	*996.44*	
		For Aluminum, Anodized Finish, Add	*2,788.27*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,092.58*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,185.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,681.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,925.83*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,807.14	2,713.85
		For Aluminum, Mill Finish, Add	*1,183.25*	
		For Aluminum, Anodized Finish, Add	*3,311.03*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,297.43*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,594.85*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,746.62*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,974.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,080.24	1,856.84
		For Aluminum, Mill Finish, Add	*611.79*	
		For Aluminum, Anodized Finish, Add	*1,711.93*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*670.82*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,341.64*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,488.26*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,708.20*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,243.05	2,142.51
		For Aluminum, Mill Finish, Add	*793.21*	
		For Aluminum, Anodized Finish, Add	*2,219.61*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*869.75*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,739.50*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,522.71*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,697.51*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,370.89	2,428.18
		For Aluminum, Mill Finish, Add	*970.65*	
		For Aluminum, Anodized Finish, Add	*2,716.13*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,064.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,128.63*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,534.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,643.14*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,027.86	2,713.85
		For Aluminum, Mill Finish, Add	*1,094.41*	
		For Aluminum, Anodized Finish, Add	*3,062.44*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,200.02*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,400.03*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,240.08*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,000.16*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	17,155.64	2,999.52
		For Aluminum, Mill Finish, Add	*1,271.86*	
		For Aluminum, Anodized Finish, Add	*3,558.96*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,394.58*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,789.16*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,251.81*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*13,945.79*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,106.00	2,142.51
		For Aluminum, Mill Finish, Add	*663.59*	
		For Aluminum, Anodized Finish, Add	*1,856.89*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*727.62*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,455.24*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,783.62*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,276.20*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,497.04	2,428.18
		For Aluminum, Mill Finish, Add	*871.04*	
		For Aluminum, Anodized Finish, Add	*2,437.37*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*955.08*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,910.17*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,966.43*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,550.83*	
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,507.68	2,713.85
		For Aluminum, Mill Finish, Add	*1,035.11*	
		For Aluminum, Anodized Finish, Add	*2,896.50*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,134.99*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,269.99*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,901.97*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,349.94*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	16,639.57	2,999.52
		For Aluminum, Mill Finish, Add	*1,213.02*	
		For Aluminum, Anodized Finish, Add	*3,394.34*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,330.07*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,660.14*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,916.36*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*13,300.70*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	18,736.54	3,285.18
		For Aluminum, Mill Finish, Add	*1,386.95*	
		For Aluminum, Anodized Finish, Add	*3,881.02*	
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,520.78*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,041.55*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,908.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*15,207.75*	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,775.24	285.67
		For Aluminum And Fiberglass, Add	*328.93*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*381.99*	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,965.66	285.67
		For Aluminum And Fiberglass, Add	*387.96*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*450.54*	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	2,570.01	326.80
		For Aluminum And Fiberglass, Add	*543.97*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*631.71*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	2,869.22	326.80
		For Aluminum And Fiberglass, Add	*636.73*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
		For Insulated Door, Add	*739.43*	
08 36 13 00-0106		**Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports** *(08 36 13 00-0013)*		
		Note: Includes storage, cleaning and supply materials.		
08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	20.26	
08 36 13 00-0108		**Sectional Fiberglass Overhead Doors (Width x Height)** *(08 36 13)*		
08 36 13 00-0109		**Fiberglass Sectional Overhead Doors** *(08 36 13 00-0108)*		
08 36 13 00-0110		**Non-Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,348.26	499.92
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,768.17	571.34
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,308.86	714.17
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,741.56	571.34
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,236.89	642.75
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,116.12	892.72
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,998.95	1,142.67
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,271.17	714.17
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,100.59	892.72
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,920.73	1,071.26
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,096.59	1,428.34
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,134.75	1,714.01
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,086.11	999.84
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,905.81	1,142.67
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,016.76	1,428.34
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,125.88	1,714.01
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,951.95	1,856.84
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,646.35	1,142.67
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,518.00	1,285.51
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,689.29	1,571.18
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,847.72	1,856.84
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,722.20	1,999.67
08 36 13 00-0133		**Insulated, Fiberglass Sectional Doors** *(08 36 13 00-0109)*		
		Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,793.20	499.92
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,304.59	571.34
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	3,929.44	714.17
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,269.19	571.34
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,880.88	642.75
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,885.25	892.72
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	5,894.69	1,142.67
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,879.30	714.17
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,864.60	892.72
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,837.69	1,071.26
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	7,165.77	1,428.34
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,358.33	1,714.01
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,774.74	999.84
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,770.81	1,142.67
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,059.59	1,428.34
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,346.53	1,714.01
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,351.17	1,856.84
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,425.73	1,142.67
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,490.57	1,285.51
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,859.45	1,571.18
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	9,212.55	1,856.84
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	10,280.95	1,999.67
08 36 13 00-0156		**Sectional Overhead Door Accessories** *(08 36 13)*		
08 36 13 00-0157		**Sectional Overhead Door Accessories** *(08 36 13 00-0156)*		
08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	4.64	1.79
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	6.44	2.23
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	4.01	1.79
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	352.76	89.27
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	786.13	178.54
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,848.94	285.67
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,456.44	285.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,868.27	285.67
		For Door Height >12', Add *Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.*	*10.00*	
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	32.50	
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.27	
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	20.17	
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.75	
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	51.68	
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	34.88	
08 36 13 00-0172	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	69.77	
08 36 13 00-0173	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	47.09	
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	752.57	142.84
08 36 13 00-0175	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,171.57	215.48
08 36 13 00-0176	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,732.58	359.15
08 36 13 00-0177	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.25	
08 36 13 00-0178	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.90	
08 36 13 00-0179	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.83	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	25.46	8.57
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.69*	
		For Ribbed Strip Material, Add	*1.45*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	35.42	11.43
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.97*	
		For Ribbed Strip Material, Add	*2.04*	
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	21.54	7.14
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.87*	
		For Ribbed Strip Material, Add	*1.82*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	28.04	7.85
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.09*	
		For Ribbed Strip Material, Add	*2.29*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	22.46	7.14
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.10*	
		For Ribbed Strip Material, Add	*2.32*	

08 38 13 00-0007 Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*

08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	81.65	40.28
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.60*	
		For Ribbed Strip Material, Add	*3.35*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	83.89	40.28
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.82*	
		For Ribbed Strip Material, Add	*3.82*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	118.70	49.85
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*3.73*	
		For Ribbed Strip Material, Add	*7.83*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	126.27	49.85
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*4.49*	
		For Ribbed Strip Material, Add	*9.42*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	133.38	49.85
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*5.20*	
		For Ribbed Strip Material, Add	*10.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	223.48	50.85
		For Cooler/Freezer Doors, USDA Grade, Add	*12.17*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*25.56*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*

08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*

08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,314.50	142.84
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,090.61	142.84
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	21,267.46	164.25
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,877.44	178.54
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	37,308.71	178.54
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	39,046.22	178.54
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,429.39	214.25

08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,394.96	142.84
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	11,259.25	142.84
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,247.28	164.25
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	27,839.58	178.54
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	41,852.74	178.54
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	43,620.16	178.54
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	48,518.03	214.25

08 38 16 00-0019 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*

Note: Includes pebble embossed finish and a 14" x 16" vinyl window.

08 38 16 00-0020 Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0021 84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,650.54	78.56
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,944.81	78.56

08 38 16 00-0024 96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*

08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,944.81	78.56
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	4,027.80	78.56

08 38 16 00-0027 Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*

08 38 16 00-0028 84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,258.22	135.69
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,846.75	135.69

08 38 16 00-0031 96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*

08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,846.75	135.69
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	8,012.75	135.69

08 38 19 Rigid Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,726.51	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,862.32	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,922.29	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,005.29	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,095.46	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,276.55	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,350.75	96.41
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,960.41	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,066.04	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,133.55	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,193.92	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,404.82	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,450.09	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,516.74	96.41
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0019		Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0020		84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,410.16	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,681.78	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,787.42	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,953.41	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,133.74	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,495.91	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,601.54	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0028		96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*		
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,877.96	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,089.23	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,209.95	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,330.67	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,752.45	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,842.99	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,933.53	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0036		3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037		Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0038		**84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors** *(08 38 19 00-0037)*		
08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,114.83	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,469.46	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,619.97	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,770.87	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,823.32	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,132.68	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,433.23	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,486.05	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0047		**96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors** *(08 38 19 00-0037)*		
08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,416.64	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,786.36	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,936.87	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,125.50	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,268.49	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,570.30	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,712.40	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,901.03	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0056		**Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors** *(08 38 19 00-0036)*		
08 38 19 00-0057		**84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors** *(08 38 19 00-0056)*		
08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,186.80	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,896.05	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,182.77	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,484.58	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,589.45	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,208.16	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,766.51	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,872.14	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0066		96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*		
08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,790.42	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,529.85	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,816.57	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,193.83	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,479.79	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,083.41	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,324.86	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	9,702.12	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0075		3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*		
		Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076		Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*		
08 38 19 00-0077		84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*		
08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,196.93	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,779.60	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,942.13	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,000.39	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,065.84	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,609.66	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,077.75	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,145.73	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0086		96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*		
08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,323.17	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,041.80	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,214.04	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,291.73	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,318.33	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,716.49	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,174.87	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	6,252.56	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,351.00	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,516.34	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,827.09	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,943.63	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,074.49	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,162.14	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,055.56	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,191.52	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,603.49	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,040.74	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,370.92	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,526.29	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,579.47	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,375.78	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,249.78	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	12,405.16	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,201.34	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,601.24	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,714.02	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,812.11	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,985.29	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,173.92	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,346.20	96.41
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,474.47	96.41
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,540.88	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,963.41	78.56
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,083.74	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,136.56	82.13
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,294.64	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,543.63	85.70
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,685.74	96.41
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,814.01	96.41
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0134 Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0135 84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,359.83	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,159.62	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,370.89	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,567.06	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,913.38	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,290.65	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,592.45	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,848.99	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0144 96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*

08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,038.90	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,883.96	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,110.32	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,215.95	135.69
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,532.09	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,030.08	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,271.52	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	11,528.06	142.84
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0153 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.

08 38 19 00-0154 Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0155 84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,125.89	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,344.70	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,548.03	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,676.30	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,000.38	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,256.91	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,482.02	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,723.46	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,276.80	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,540.88	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,676.30	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,857.38	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,204.10	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,513.45	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,723.46	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,949.82	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*

08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,661.60	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,714.42	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,940.38	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,106.38	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,460.64	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,830.35	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,025.27	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	6,251.63	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*

08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*

08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,208.92	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,646.55	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,038.90	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,295.44	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,943.56	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,456.64	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,864.08	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,346.98	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,510.73	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,038.90	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,295.44	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,657.61	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,351.01	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,969.72	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,346.98	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,799.69	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0201		96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,280.34	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,385.98	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,823.60	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,155.59	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,864.08	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,603.51	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,950.60	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	12,403.31	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0210		1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211		Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0212		84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,125.89	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,344.70	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,548.03	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,676.30	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,000.38	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,256.91	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,482.02	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,723.46	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0221		90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,276.80	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,540.88	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,676.30	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,857.38	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,204.10	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,513.45	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,723.46	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,949.82	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0230		96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,661.60	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,714.42	78.56
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,940.38	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,106.38	82.13
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,460.64	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,830.35	85.70
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,025.27	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	6,251.63	96.41
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0240		84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,208.92	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,646.55	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,038.90	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,295.44	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,943.56	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,456.64	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,864.08	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,346.98	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0249 90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,510.73	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,038.90	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,295.44	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,657.61	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,351.01	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,969.72	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,346.98	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0257	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,799.69	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0258 96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*

08 38 19 00-0259	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,280.34	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,385.98	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,823.60	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,155.59	135.69
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,864.08	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,603.51	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,950.60	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	12,403.31	142.84
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0267 Rigid Impact Traffic Door Accessories *(08 38 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0268		Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two bumpers per set.		
08 38 19 00-0269	SET	24" Wide, Bumper Strips For Impact Traffic Doors	336.31	57.14
08 38 19 00-0270	SET	30" Wide, Bumper Strips For Impact Traffic Doors	374.04	57.14
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors	404.22	57.14
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors	457.04	57.14
08 38 19 00-0273		Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two bumpers per set.		
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	947.48	57.14
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,264.38	57.14
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,875.54	57.14
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	2,169.80	57.14
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,471.61	57.14
08 38 19 00-0279		Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280		12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	404.22	57.14
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	434.40	57.14
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	472.13	57.14
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	524.94	57.14
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	555.13	57.14
08 38 19 00-0286		24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	555.13	57.14
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	690.94	57.14
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	766.39	57.14
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	872.02	57.14
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	939.93	57.14
08 38 19 00-0292		30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	690.94	57.14
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	811.66	57.14
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	902.21	57.14
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	1,068.20	57.14
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	1,181.38	57.14
08 38 19 00-0298		36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	766.39	57.14
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	902.21	57.14
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	1,053.11	57.14
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	1,136.11	57.14
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,264.38	57.14
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	939.93	57.14
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,181.38	57.14
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,264.38	57.14
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,422.83	57.14
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,596.37	57.14
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	389.13	57.14
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	419.31	57.14
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	434.40	57.14
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	502.31	57.14
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	532.49	57.14
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	502.31	57.14
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	547.58	57.14
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	592.85	57.14
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	630.58	57.14
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	690.94	57.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	577.76	57.14
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	615.49	57.14
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	706.03	57.14
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	804.12	57.14
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	849.39	57.14
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	615.49	57.14
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	690.94	57.14
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	804.12	57.14
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	894.66	57.14
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	947.48	57.14
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	789.03	57.14
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	894.66	57.14
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,038.02	57.14
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,105.93	57.14
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,196.47	57.14
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	524.94	57.14
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	555.13	57.14
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	645.67	57.14
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	690.94	57.14
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	819.21	57.14
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	736.21	57.14
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	872.02	57.14
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,007.84	57.14
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,173.83	57.14
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,324.74	57.14
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	841.84	57.14
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,022.93	57.14
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,188.92	57.14
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,362.46	57.14
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,566.19	57.14
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	977.66	57.14
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,173.83	57.14
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,400.19	57.14
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,619.00	57.14
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,807.63	57.14
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,219.11	57.14
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,686.91	57.14
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,807.63	57.14
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,169.80	57.14
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,381.07	57.14
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	464.58	57.14
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	502.31	57.14
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	547.58	57.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	600.40	57.14
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	683.39	57.14
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	630.58	57.14
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	721.12	57.14
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	811.66	57.14
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	909.75	57.14
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,022.93	57.14
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	721.12	57.14
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	834.30	57.14
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	962.57	57.14
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,121.02	57.14
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,226.65	57.14
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	811.66	57.14
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	962.57	57.14
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,121.02	57.14
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,279.47	57.14
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,392.65	57.14
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,022.93	57.14
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,256.83	57.14
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,392.65	57.14
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,664.27	57.14
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,739.73	57.14
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	637.30	71.41
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	863.66	71.41
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,693.63	71.41
08 38 19 00-0408		Other Impact Traffic Door Accessories *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	156.43	35.71
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	209.25	35.71
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	533.70	35.71
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	669.51	35.71
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	262.07	35.71
08 38 19 00-0414		Impact Traffic Door Knock Down Frames *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0416		84" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,561.90	107.13
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,840.02	117.83
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,879.93	124.98
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,923.79	135.69
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,966.97	142.84
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,050.44	149.98
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,111.05	157.12
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,150.69	164.25
08 38 19 00-0425		90" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,595.56	107.13
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,880.09	117.83
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,920.70	124.98
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,965.10	135.69
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,009.00	142.84
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,094.21	149.98
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,155.95	157.12
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,196.27	164.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0434		96" Height, Single Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,640.30	107.13
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,933.36	117.83
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,974.80	124.98
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,006.71	135.69
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,064.84	142.84
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,137.97	149.98
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,215.63	157.12
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,260.10	160.68
08 38 19 00-0443		Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0414)*		
08 38 19 00-0444		84" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,189.55	164.25
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,224.06	167.12
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,267.98	171.40
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,325.63	178.54
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,360.67	185.68
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,441.99	187.12
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,496.19	189.26
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,561.18	192.83
08 38 19 00-0453		90" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,236.03	164.25
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,271.22	167.12
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,316.11	171.40
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,374.83	178.54
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,410.47	185.68
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,493.68	187.12
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,549.12	189.26
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,615.58	192.83
08 38 19 00-0462		96" Height, Double Door, Impact Traffic Door Knock Down Frames *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,290.28	164.25
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,318.30	167.12
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,380.02	171.40
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,424.02	178.54
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,476.49	185.68
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,569.88	187.12
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,619.44	189.26
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,674.47	192.83

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001		Aluminum Framed Entrance Doors *(08 42 13)* Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2119 for exit device, 08 71 11 00-2268 for closer.		
08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,000.71	798.82
		For Bronze Finish, Add	*311.14*	
		For Black Finish, Add	*893.62*	
		For 8' High Door, Add	*322.35*	
		For 10' High Door, Add	*700.77*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,138.63	877.86
		For Bronze Finish, Add	*313.16*	
		For Black Finish, Add	*899.41*	
		For 8' High Door, Add	*324.44*	
		For 10' High Door, Add	*705.31*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	6,649.71	1,197.99
		For Bronze Finish, Add	*539.11*	
		For Black Finish, Add	*1,548.36*	
		For 8' High Door, Add	*558.54*	
		For 10' High Door, Add	*1,214.21*	
		For 1" Insulated Glazing, Add	*333.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,714.61	1,305.42
		For Bronze Finish, Add	*638.31*	
		For Black Finish, Add	*1,833.26*	
		For 8' High Door, Add	*661.31*	
		For 10' High Door, Add	*1,437.63*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,382.15	798.82
		For Bronze Finish, Add	*353.48*	
		For Black Finish, Add	*1,015.22*	
		For 8' High Door, Add	*366.22*	
		For 10' High Door, Add	*796.13*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	4,543.68	877.86
		For Bronze Finish, Add	*358.12*	
		For Black Finish, Add	*1,028.54*	
		For 8' High Door, Add	*371.02*	
		For 10' High Door, Add	*806.57*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	7,370.81	1,197.99
		For Bronze Finish, Add	*619.15*	
		For Black Finish, Add	*1,778.25*	
		For 8' High Door, Add	*641.46*	
		For 10' High Door, Add	*1,394.49*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	8,414.66	1,305.42
		For Bronze Finish, Add	*716.01*	
		For Black Finish, Add	*2,056.44*	
		For 8' High Door, Add	*741.81*	
		For 10' High Door, Add	*1,612.64*	
		For 1" Insulated Glazing, Add	*333.76*	

08 42 26 All-Glass Entrances *(08 42)*

08 42 26 00-0001 Full Glass Entrance Doors *(08 42 26)*

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	8,611.44	299.41
		For Anodized Color, Add	*1,334.49*	
		For Stainless Steel, Add	*4,818.98*	
		For 8' High Door, Add	*852.59*	
		For 10' High Door, Add	*1,853.45*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2") Note: Including Trim And Hardware	15,709.10	359.29
		For Anodized Color, Add	*2,519.68*	
		For Stainless Steel, Add	*9,098.83*	
		For 8' High Door, Add	*1,609.79*	
		For 10' High Door, Add	*3,499.55*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	9,947.07	299.41
		For Anodized Color, Add	*1,574.90*	
		For Stainless Steel, Add	*5,687.14*	
		For 8' High Door, Add	*1,006.19*	
		For 10' High Door, Add	*2,187.36*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8") Note: Including Trim And Hardware	18,584.82	359.29
		For Anodized Color, Add	*3,037.31*	
		For Stainless Steel, Add	*10,968.05*	
		For 8' High Door, Add	*1,940.50*	
		For 10' High Door, Add	*4,218.48*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	11,277.48	299.41
		For Anodized Color, Add	*1,814.37*	
		For Stainless Steel, Add	*6,551.90*	
		For 8' High Door, Add	*1,159.18*	
		For 10' High Door, Add	*2,519.96*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4") Note: Including Trim And Hardware	21,455.84	359.29
		For Anodized Color, Add	*3,554.09*	
		For Stainless Steel, Add	*12,834.21*	
		For 8' High Door, Add	*2,270.67*	
		For 10' High Door, Add	*4,936.24*	
		For 1" Insulated Glazing, Add	*333.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	13,943.45	299.41
		For Anodized Color, Add	*2,294.25*	
		For Stainless Steel, Add	*8,284.78*	
		For 8' High Door, Add	*1,465.77*	
		For 10' High Door, Add	*3,186.46*	
		For 1" Insulated Glazing, Add	*166.88*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1") Note: Including Trim And Hardware	27,202.55	359.29
		For Anodized Color, Add	*4,588.50*	
		For Stainless Steel, Add	*16,569.57*	
		For 8' High Door, Add	*2,931.54*	
		For 10' High Door, Add	*6,372.91*	
		For 1" Insulated Glazing, Add	*333.76*	
08 42 26 00-0010		Frames For Full Glass Doors *(08 42 26)*		
08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	37.01	3.59
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	47.49	4.79

08 42 29 Automatic Entrances *(08 42)*

08 42 29 23 Sliding Automatic Entrances *(08 42 29)*

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,794.56	119.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*341.63*	
		For Emergency Egress On All Panels, Add	*911.01*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,286.04	161.69
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*372.20*	
		For Emergency Egress On All Panels, Add	*992.54*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,744.74	179.65
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*403.91*	
		For Emergency Egress On All Panels, Add	*1,077.09*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,189.82	197.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*434.60*	
		For Emergency Egress On All Panels, Add	*1,158.92*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,162.64	239.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*576.27*	
		For Emergency Egress On All Panels, Add	*1,536.72*	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,427.84	281.44
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*589.87*	
		For Emergency Egress On All Panels, Add	*1,572.99*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,344.57	323.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*802.34*	
		For Emergency Egress On All Panels, Add	*2,139.57*	

08 42 29 23-0010 4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Bi-parting.

08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	9,513.18	299.41
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.58*	
		For Emergency Egress On All Panels, Add	*1,782.87*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,429.16	329.35
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*732.78*	
		For Emergency Egress On All Panels, Add	*1,954.09*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,345.14	359.29
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*796.99*	
		For Emergency Egress On All Panels, Add	*2,125.31*	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	13,784.11	389.23
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*975.42*	
		For Emergency Egress On All Panels, Add	*2,601.13*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	16,223.10	419.05
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,153.86*	
		For Emergency Egress On All Panels, Add	*3,076.95*	

08 42 29 23-0016 Aluminum Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0017 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*

Note: Single sliding.

08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,365.42	119.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*309.44*	
		For Emergency Egress On All Panels, Add	*825.18*	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,818.54	161.69
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*337.14*	
		For Emergency Egress On All Panels, Add	*899.04*	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,229.52	179.65
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*365.27*	
		For Emergency Egress On All Panels, Add	*974.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,643.91	197.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*393.65*	
		For Emergency Egress On All Panels, Add	*1,049.74*	
08 42 29 23-0022	EA	9'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	6,541.36	218.57
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*457.82*	
		For Emergency Egress On All Panels, Add	*1,220.85*	
08 42 29 23-0023	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,438.83	239.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*521.98*	
		For Emergency Egress On All Panels, Add	*1,391.95*	
08 42 29 23-0024	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,686.90	281.44
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*534.30*	
		For Emergency Egress On All Panels, Add	*1,424.80*	
08 42 29 23-0025	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,336.84	323.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*726.76*	
		For Emergency Egress On All Panels, Add	*1,938.02*	

08 42 29 23-0026 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*

Note: Bi-parting.

08 42 29 23-0027	EA	10'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,239.75	284.44
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*575.32*	
		For Emergency Egress On All Panels, Add	*1,534.17*	
08 42 29 23-0028	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,673.42	299.41
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*605.60*	
		For Emergency Egress On All Panels, Add	*1,614.92*	
08 42 29 23-0029	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,508.71	329.35
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*663.75*	
		For Emergency Egress On All Panels, Add	*1,770.00*	
08 42 29 23-0030	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,344.00	359.29
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*721.91*	
		For Emergency Egress On All Panels, Add	*1,925.08*	
08 42 29 23-0031	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	12,558.90	389.23
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*883.53*	
		For Emergency Egress On All Panels, Add	*2,356.09*	
08 42 29 23-0032	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	14,773.81	419.05
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,045.16*	
		For Emergency Egress On All Panels, Add	*2,787.09*	

08 42 29 23-0033 Stainless Steel Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0034 2 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0033)*

Note: Single sliding.

08 42 29 23-0035	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,519.85	119.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*396.02*	
		For Emergency Egress On All Panels, Add	*1,056.06*	
08 42 29 23-0036	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	6,076.30	161.69
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*431.47*	
		For Emergency Egress On All Panels, Add	*1,150.59*	
08 42 29 23-0037	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,076.57	179.65
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*503.80*	
		For Emergency Egress On All Panels, Add	*1,343.46*	
08 42 29 23-0038	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	8,135.38	197.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*580.51*	
		For Emergency Egress On All Panels, Add	*1,548.03*	
08 42 29 23-0039	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,386.17	239.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.03*	
		For Emergency Egress On All Panels, Add	*1,781.42*	
08 42 29 23-0040	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,680.19	281.44
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*683.80*	
		For Emergency Egress On All Panels, Add	*1,823.46*	
08 42 29 23-0041	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,048.14	323.36
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*930.11*	
		For Emergency Egress On All Panels, Add	*2,480.28*	

08 42 29 23-0042 4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0033)*

Note: Bi-parting.

08 42 29 23-0043	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	10,932.70	299.41
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*775.04*	
		For Emergency Egress On All Panels, Add	*2,066.78*	
08 42 29 23-0044	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	11,984.95	329.35
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*849.47*	
		For Emergency Egress On All Panels, Add	*2,265.25*	
08 42 29 23-0045	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,037.20	359.29
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*923.90*	
		For Emergency Egress On All Panels, Add	*2,463.72*	
08 42 29 23-0046	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	15,855.07	389.23
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,130.75*	
		For Emergency Egress On All Panels, Add	*3,015.32*	
08 42 29 23-0047	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	18,672.95	419.17
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,337.60*	
		For Emergency Egress On All Panels, Add	*3,566.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0048		**Accessories For Sliding Automatic Entrances** *(08 42 29 23)* See CSI section 08 42 29 33-0006 for activation devices.		
08 42 29 23-0049	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (2 panels).	10,784.00	1,428.34
08 42 29 23-0050	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls Note: Includes motor for pair of sliding doors (4 panel).	18,349.62	2,142.51
08 42 29 33		**Swinging Automatic Entrances** *(08 42 29)* Note: Excludes glazing.		
08 42 29 33-0001		**Swing Door Operators, Up To 350 Lb. Panel Weight** *(08 42 29 33)* Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel Note: For new storefront or existing concealed operator installations.	4,447.01	564.00
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel Note: For new storefront or existing concealed operator installations.	7,766.69	752.04
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel	3,707.44	451.20
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	6,737.49	676.80
08 42 29 33-0006		**Activation Devices For Door Operators** *(08 42 29 33)*		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97) Note: Includes wiring harness and relays.	443.03	45.12
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS) Note: Includes wiring harness and relays.	393.02	45.12
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38) Note: Includes wiring harness and relays.	397.01	45.12
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H) Note: Excludes wiring from operator to push plate.	201.52	45.12
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H) Note: Excludes wiring from operator to push button.	217.68	45.12
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425) Note: Excludes wiring from operator to push button.	134.17	45.12
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath) Note: Includes receiver and two push plate transmitters.	674.31	112.80
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision) Note: Includes wiring harness and relays.	957.61	56.40
08 42 29 33-0015	EA	Guard Rail For Door With Operator	254.31	56.40
08 42 33		**Revolving Door Entrances** *(08 42)*		
08 42 33 00-0001		**Aluminum Revolving Doors** *(08 42 33)* Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	42,687.95	7,354.54
		For Automatic Controls, Add	*8,895.04*	
		For Powder Coated, Add	*1,579.59*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	58,117.29	11,031.97
		For Automatic Controls, Add	*10,917.55*	
		For Powder Coated, Add	*1,984.94*	
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	87,098.91	13,238.30
		For Automatic Controls, Add	*12,131.07*	
		For Powder Coated, Add	*3,510.21*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	47,477.63	8,089.93
		For Automatic Controls, Add	*9,307.80*	
		For Powder Coated, Add	*1,768.97*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	64,285.67	12,135.55
		For Automatic Controls, Add	*11,469.15*	
		For Powder Coated, Add	*2,222.91*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	97,250.65	14,562.13
		For Automatic Controls, Add	*12,940.07*	
		For Powder Coated, Add	*3,931.04*	
08 42 33 00-0008		**Stainless Steel Revolving Doors** *(08 42 33)* Note: Includes 3/4" tempered glass.		
08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	43,735.05	7,354.54
		For Automatic Controls, Add	*8,895.04*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	59,433.09	11,031.97
		For Automatic Controls, Add	*10,917.55*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	89,425.79	13,238.30
		For Automatic Controls, Add	*12,131.07*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	48,653.05	8,089.93
		For Automatic Controls, Add	*9,307.80*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	65,762.73	12,135.55
		For Automatic Controls, Add	*11,469.15*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	99,862.71	14,562.13
		For Automatic Controls, Add	*12,940.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0015		**Bronze Revolving Doors** *(08 42 33)* Note: Includes 3/4" tempered glass.		
08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	40,042.33	7,354.54
		For Automatic Controls, Add	*8,895.04*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	54,792.76	11,031.97
		For Automatic Controls, Add	*10,917.55*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	81,219.75	13,238.30
		For Automatic Controls, Add	*12,131.07*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	44,517.21	8,089.93
		For Automatic Controls, Add	*9,307.80*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	60,565.57	12,135.55
		For Automatic Controls, Add	*11,469.15*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	90,671.94	14,562.13
		For Automatic Controls, Add	*12,940.07*	
08 42 36		**Balanced Door Entrances** *(08 42)*		
08 42 36 00-0001		**Balanced Doors, With Glass** *(08 42 36)* Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.		
08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	14,178.66	389.24
		For Bronze Instead Of Stainless Steel, Deduct	*-3,301.31*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,320.52*	
		For Tinted Glass, Add	*660.26*	
		For Aluminum, Painted Finish, Deduct	*-3,961.57*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	14,714.93	389.24
		For Bronze Instead Of Stainless Steel, Deduct	*-3,435.38*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,374.15*	
		For Tinted Glass, Add	*687.08*	
		For Aluminum, Painted Finish, Deduct	*-4,122.45*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	16,017.38	389.24
		For Bronze Instead Of Stainless Steel, Deduct	*-3,760.99*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,504.40*	
		For Tinted Glass, Add	*752.20*	
		For Aluminum, Painted Finish, Deduct	*-4,513.19*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	17,549.71	389.24
		For Bronze Instead Of Stainless Steel, Deduct	*-4,144.07*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,657.63*	
		For Tinted Glass, Add	*828.81*	
		For Aluminum, Painted Finish, Deduct	*-4,972.89*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	29,332.56	739.80
		For Bronze Instead Of Stainless Steel, Deduct	*-6,870.76*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,748.31*	
		For Tinted Glass, Add	*1,374.15*	
		For Aluminum, Painted Finish, Deduct	*-8,244.92*	
08 43		**Storefronts** *(08 40)*		
08 43 13		**Aluminum-Framed Storefronts** *(08 43)*		
08 43 13 00-0001		**Aluminum Storefront Framing Assemblies** *(08 43 13)* Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 13 00-0002		**1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assemblies** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.16	8.79
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.39*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.89	7.91
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.55	7.29
		For Various Color Class I Anodized Finish, Add	*0.93*	
		For Black Color Class I Anodized Finish, Add	*2.79*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.81	6.83
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.60*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.46	6.46
		For Various Color Class I Anodized Finish, Add	*0.82*	
		For Black Color Class I Anodized Finish, Add	*2.46*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.37	6.18
		For Various Color Class I Anodized Finish, Add	*0.78*	
		For Black Color Class I Anodized Finish, Add	*2.34*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.47	5.94
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.25*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.74	5.74
		For Various Color Class I Anodized Finish, Add	*0.72*	
		For Black Color Class I Anodized Finish, Add	*2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0011		1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.95	11.50
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.42*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.01	10.18
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.90*	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.62	9.22
		For Various Color Class I Anodized Finish, Add	*1.18*	
		For Black Color Class I Anodized Finish, Add	*3.53*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.00	8.51
		For Various Color Class I Anodized Finish, Add	*1.08*	
		For Black Color Class I Anodized Finish, Add	*3.25*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.94	7.90
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.03*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.27	7.54
		For Various Color Class I Anodized Finish, Add	*0.95*	
		For Black Color Class I Anodized Finish, Add	*2.86*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.00	7.19
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.72*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.86	6.83
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.60*	
08 43 13 00-0020		1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	51.77	14.13
		For Various Color Class I Anodized Finish, Add	*1.82*	
		For Black Color Class I Anodized Finish, Add	*5.46*	
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	45.29	12.33
		For Various Color Class I Anodized Finish, Add	*1.59*	
		For Black Color Class I Anodized Finish, Add	*4.77*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.61	11.13
		For Various Color Class I Anodized Finish, Add	*1.42*	
		For Black Color Class I Anodized Finish, Add	*4.27*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.11	10.18
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.90*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.31	9.46
		For Various Color Class I Anodized Finish, Add	*1.20*	
		For Black Color Class I Anodized Finish, Add	*3.61*	
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.18	8.86
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.38*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.41	8.39
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.19*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.93	8.02
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.03*	
08 43 13 00-0029		2" x 4-1/2" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.13	9.22
		For Various Color Class I Anodized Finish, Add	*1.15*	
		For Black Color Class I Anodized Finish, Add	*3.46*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.77	8.27
		For Various Color Class I Anodized Finish, Add	*1.03*	
		For Black Color Class I Anodized Finish, Add	*3.10*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.24	7.66
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.83*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.42	7.19
		For Various Color Class I Anodized Finish, Add	*0.88*	
		For Black Color Class I Anodized Finish, Add	*2.64*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.97	6.70
		For Various Color Class I Anodized Finish, Add	*0.83*	
		For Black Color Class I Anodized Finish, Add	*2.48*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.93	6.46
		For Various Color Class I Anodized Finish, Add	*0.79*	
		For Black Color Class I Anodized Finish, Add	*2.36*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.90	6.23
		For Various Color Class I Anodized Finish, Add	*0.75*	
		For Black Color Class I Anodized Finish, Add	*2.26*	
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.19	5.99
		For Various Color Class I Anodized Finish, Add	*0.73*	
		For Black Color Class I Anodized Finish, Add	*2.18*	

08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.93	12.45
		For Various Color Class I Anodized Finish, Add	*1.50*	
		For Black Color Class I Anodized Finish, Add	*4.50*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.64	11.01
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.96*	
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.94	9.94
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.57*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.13	9.22
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.28*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.05	8.63
		For Various Color Class I Anodized Finish, Add	*1.02*	
		For Black Color Class I Anodized Finish, Add	*3.06*	
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.20	8.14
		For Various Color Class I Anodized Finish, Add	*0.96*	
		For Black Color Class I Anodized Finish, Add	*2.88*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.79	7.66
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.73*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.62	7.31
		For Various Color Class I Anodized Finish, Add	*0.87*	
		For Black Color Class I Anodized Finish, Add	*2.61*	

08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, and two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	53.15	14.85
		For Various Color Class I Anodized Finish, Add	*1.85*	
		For Black Color Class I Anodized Finish, Add	*5.54*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.43	12.94
		For Various Color Class I Anodized Finish, Add	*1.61*	
		For Black Color Class I Anodized Finish, Add	*4.82*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.57	11.62
		For Various Color Class I Anodized Finish, Add	*1.44*	
		For Black Color Class I Anodized Finish, Add	*4.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.01	10.66
		For Various Color Class I Anodized Finish, Add	*1.31*	
		For Black Color Class I Anodized Finish, Add	*3.93*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.16	9.82
		For Various Color Class I Anodized Finish, Add	*1.21*	
		For Black Color Class I Anodized Finish, Add	*3.63*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.88	9.22
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.40*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.08	8.74
		For Various Color Class I Anodized Finish, Add	*1.07*	
		For Black Color Class I Anodized Finish, Add	*3.20*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.46	8.39
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	

08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.40	9.46
		For Various Color Class I Anodized Finish, Add	*1.63*	
		For Black Color Class I Anodized Finish, Add	*4.89*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.23	8.51
		For Various Color Class I Anodized Finish, Add	*1.46*	
		For Black Color Class I Anodized Finish, Add	*4.39*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.33	7.78
		For Various Color Class I Anodized Finish, Add	*1.35*	
		For Black Color Class I Anodized Finish, Add	*4.04*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.13	7.31
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.78*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.41	6.95
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.58*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.02	6.58
		For Various Color Class I Anodized Finish, Add	*1.14*	
		For Black Color Class I Anodized Finish, Add	*3.41*	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.92	6.34
		For Various Color Class I Anodized Finish, Add	*1.09*	
		For Black Color Class I Anodized Finish, Add	*3.28*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.93	6.11
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.17*	

08 43 13 00-0065 2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	54.63	12.70
		For Various Color Class I Anodized Finish, Add	*2.12*	
		For Black Color Class I Anodized Finish, Add	*6.36*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	48.25	11.26
		For Various Color Class I Anodized Finish, Add	*1.88*	
		For Black Color Class I Anodized Finish, Add	*5.63*	
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.77	10.18
		For Various Color Class I Anodized Finish, Add	*1.70*	
		For Black Color Class I Anodized Finish, Add	*5.10*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.39	9.34
		For Various Color Class I Anodized Finish, Add	*1.57*	
		For Black Color Class I Anodized Finish, Add	*4.70*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.71	8.74
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.40*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.63	8.27
		For Various Color Class I Anodized Finish, Add	*1.38*	
		For Black Color Class I Anodized Finish, Add	*4.15*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.92	7.90
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.39	7.54
		For Various Color Class I Anodized Finish, Add	*1.26*	
		For Black Color Class I Anodized Finish, Add	*3.78*	

08 43 13 00-0074 2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, and vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	65.95	14.85
		For Various Color Class I Anodized Finish, Add	*2.61*	
		For Black Color Class I Anodized Finish, Add	*7.84*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	57.96	13.18
		For Various Color Class I Anodized Finish, Add	*2.28*	
		For Black Color Class I Anodized Finish, Add	*6.85*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	52.02	11.86
		For Various Color Class I Anodized Finish, Add	*2.05*	
		For Black Color Class I Anodized Finish, Add	*6.15*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	47.67	10.78
		For Various Color Class I Anodized Finish, Add	*1.88*	
		For Black Color Class I Anodized Finish, Add	*5.63*	
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	44.19	10.06
		For Various Color Class I Anodized Finish, Add	*1.74*	
		For Black Color Class I Anodized Finish, Add	*5.22*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	41.42	9.46
		For Various Color Class I Anodized Finish, Add	*1.63*	
		For Black Color Class I Anodized Finish, Add	*4.89*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.08	8.86
		For Various Color Class I Anodized Finish, Add	*1.54*	
		For Black Color Class I Anodized Finish, Add	*4.62*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.25	8.51
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.40*	

08 43 13 00-0083 Accessories For Aluminum Storefront Framing Assemblies *(08 43 13 00-0001)*

08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	42.09	7.97
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	48.04	8.77
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	74.24	9.64

08 43 19 Stainless-Steel-Framed Storefronts *(08 43)*

08 43 19 00-0001 Stainless Steel Storefront Framing Assembly *(08 43 19)*

Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.

08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	55.98	5.99
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	

08 44 Curtain Wall and Glazed Assemblies *(08 40)*

08 44 13 Glazed Aluminum Curtain Walls *(08 44)*

08 44 13 00-0001 Aluminum Glass Partition Wall Frame *(08 44 13)*

Note: Excludes glazing.

08 44 13 00-0002	LF	2" x 5-1/2" Aluminum Head Frame, Clear Anodic Finish Note: For glass partition wall.	55.06	11.98
		For Color Anodic Finish, Add	*3.05*	
		For Baked-Enamel Finish, Add	*5.34*	
		For Powder Coated Finish, Add	*6.86*	
08 44 13 00-0003	LF	2" x 5-1/2" Aluminum Mullion Frame, Clear Anodic Finish Note: For glass partition wall.	61.23	14.38
		For Color Anodic Finish, Add	*3.38*	
		For Baked-Enamel Finish, Add	*5.92*	
		For Powder Coated Finish, Add	*7.61*	
08 44 13 00-0004	LF	2" x 5-1/2" Aluminum Jamb Frame, Clear Anodic Finish Note: For glass partition wall.	55.89	10.18
		For Color Anodic Finish, Add	*3.58*	
		For Baked-Enamel Finish, Add	*6.26*	
		For Powder Coated Finish, Add	*8.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0005	LF	4" x 5-1/2" Aluminum Sill Frame, Clear Anodic Finish Note: For glass partition wall.	63.86	51.89
		For Color Anodic Finish, Add	*3.99*	
		For Baked-Enamel Finish, Add	*6.98*	
		For Powder Coated Finish, Add	*8.98*	

08 44 13 00-0006 Curtain Walls *(08 44 13)*

08 44 13 00-0007 Coping Sections *(08 44 13 00-0006)*

08 44 13 00-0008	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	89.52	3.59
		For Bronze Anodized Aluminum, Add	*10.28*	
		For Stainless Steel, Add	*42.16*	
		For Black Anodized Finish, Add	*18.50*	
08 44 13 00-0009	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	93.18	3.59
		For Bronze Anodized Aluminum, Add	*10.83*	
		For Stainless Steel, Add	*44.35*	
		For Black Anodized Finish, Add	*19.49*	
08 44 13 00-0010	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	111.83	4.79
		For Bronze Anodized Aluminum, Add	*12.85*	
		For Stainless Steel, Add	*52.70*	
		For Black Anodized Finish, Add	*23.13*	

08 44 13 00-0011 Sill Section *(08 44 13 00-0006)*

08 44 13 00-0012	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	61.29	2.40
		For Bronze Anodized Aluminum, Add	*6.98*	
		For Stainless Steel, Add	*28.64*	
		For Black Anodized Finish, Add	*12.56*	
08 44 13 00-0013	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	66.25	2.40
		For Bronze Anodized Aluminum, Add	*7.72*	
		For Stainless Steel, Add	*31.62*	
		For Black Anodized Finish, Add	*13.89*	
08 44 13 00-0014	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	71.28	2.40
		For Bronze Anodized Aluminum, Add	*8.47*	
		For Stainless Steel, Add	*34.63*	
		For Black Anodized Finish, Add	*15.25*	

08 44 13 00-0015 Aluminum Column Covers *(08 44 13 00-0006)*

Note: Includes all clips and fasteners.

08 44 13 00-0016	LF	Aluminum Column Covers, 1/8" x 26", Shaped	183.40	5.99
		For Bronze Anodized Aluminum, Add	*22.45*	
		For Stainless Steel, Add	*91.48*	
		For Black Anodized Finish, Add	*40.41*	
08 44 13 00-0017	LF	Aluminum Column Covers, 1/8" x 34", Shaped	226.83	5.99
		For Bronze Anodized Aluminum, Add	*28.66*	
		For Stainless Steel, Add	*116.44*	
		For Black Anodized Finish, Add	*51.59*	
08 44 13 00-0018	LF	Aluminum Column Covers, 1/8" x 38", Shaped	243.78	5.99
		For Bronze Anodized Aluminum, Add	*31.20*	
		For Stainless Steel, Add	*126.61*	
		For Black Anodized Finish, Add	*56.17*	

08 44 13 00-0019 Spandrel Covers *(08 44 13 00-0006)*

Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).

08 44 13 00-0020	SF	1" Spandrel Cover, Aluminum Both Faces	74.98	2.40
		For Bronze Anodized Aluminum, Add	*9.74*	
		For Stainless Steel, Add	*39.45*	
		For Black Anodized Finish, Add	*17.53*	
08 44 13 00-0021	SF	1" Spandrel Cover, Aluminum Exterior Face	65.35	2.40
		For Bronze Anodized Aluminum, Add	*8.29*	
		For Stainless Steel, Add	*33.67*	
		For Black Anodized Finish, Add	*14.93*	
08 44 13 00-0022	SF	1" Spandrel Cover, Epoxy Both Faces	145.10	2.40
		For Bronze Anodized Aluminum, Add	*20.25*	
		For Stainless Steel, Add	*81.52*	
		For Black Anodized Finish, Add	*36.46*	
08 44 13 00-0023	SF	1" Spandrel Cover, Epoxy Exterior Face Only	117.94	2.40
		For Bronze Anodized Aluminum, Add	*16.18*	
		For Stainless Steel, Add	*65.23*	
		For Black Anodized Finish, Add	*29.12*	
08 44 13 00-0024	SF	2" Spandrel Cover, Aluminum Both Faces	83.88	2.40
		For Bronze Anodized Aluminum, Add	*10.68*	
		For Stainless Steel, Add	*43.35*	
		For Black Anodized Finish, Add	*19.22*	
08 44 13 00-0025	SF	2" Spandrel Cover, Aluminum Exterior Face	74.77	2.40
		For Bronze Anodized Aluminum, Add	*9.31*	
		For Stainless Steel, Add	*37.89*	
		For Black Anodized Finish, Add	*16.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0026	SF	2" Spandrel Cover, Epoxy Both Faces	165.49	2.40
		For Bronze Anodized Aluminum, Add	*22.92*	
		For Stainless Steel, Add	*92.32*	
		For Black Anodized Finish, Add	*41.26*	
08 44 13 00-0027	SF	2" Spandrel Cover, Epoxy Exterior Face Only	134.16	2.40
		For Bronze Anodized Aluminum, Add	*18.22*	
		For Stainless Steel, Add	*73.52*	
		For Black Anodized Finish, Add	*32.80*	
08 44 13 00-0028		Curtain Wall, Aluminum System Framing Sections *(08 44 13 00-0006)*		
		Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	88.33	2.40
		For Bronze Anodized Aluminum, Add	*11.82*	
		For Stainless Steel, Add	*47.77*	
		For Black Anodized Finish, Add	*21.28*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	88.15	2.40
		For Bronze Anodized Aluminum, Add	*11.82*	
		For Stainless Steel, Add	*47.76*	
		For Black Anodized Finish, Add	*21.28*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	88.16	2.40
		For Bronze Anodized Aluminum, Add	*11.83*	
		For Stainless Steel, Add	*47.77*	
		For Black Anodized Finish, Add	*21.29*	
		For Corner Mullion, Add	*21.11*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	108.58	4.79
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*57.24*	
		For Black Anodized Finish, Add	*25.43*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	108.58	4.79
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*57.24*	
		For Black Anodized Finish, Add	*25.43*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	108.58	4.79
		For Bronze Anodized Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*57.24*	
		For Black Anodized Finish, Add	*25.43*	
		For Corner Mullion, Add	*25.71*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	119.21	5.27
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.74*	
		For Black Anodized Finish, Add	*27.87*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	119.21	5.27
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.74*	
		For Black Anodized Finish, Add	*27.87*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	119.21	5.27
		For Bronze Anodized Aluminum, Add	*15.49*	
		For Stainless Steel, Add	*62.74*	
		For Black Anodized Finish, Add	*27.87*	
		For Corner Mullion, Add	*28.21*	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	130.07	5.99
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*68.29*	
		For Black Anodized Finish, Add	*30.33*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	130.07	5.99
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*68.29*	
		For Black Anodized Finish, Add	*30.33*	
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	130.07	5.99
		For Bronze Anodized Aluminum, Add	*16.85*	
		For Stainless Steel, Add	*68.29*	
		For Black Anodized Finish, Add	*30.33*	
		For Corner Mullion, Add	*30.74*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	146.05	6.46
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.98*	
		For Black Anodized Finish, Add	*34.20*	
08 44 13 00-0042	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	146.05	6.46
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.98*	
		For Black Anodized Finish, Add	*34.20*	
08 44 13 00-0043	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	146.05	6.46
		For Bronze Anodized Aluminum, Add	*19.00*	
		For Stainless Steel, Add	*76.98*	
		For Black Anodized Finish, Add	*34.20*	
		For Corner Mullion, Add	*34.58*	
08 44 13 00-0044	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	167.67	7.19
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*88.38*	
		For Black Anodized Finish, Add	*39.27*	
08 44 13 00-0045	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	167.67	7.19
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*88.38*	
		For Black Anodized Finish, Add	*39.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0046	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	167.67	7.19
		For Bronze Anodized Aluminum, Add	*21.82*	
		For Stainless Steel, Add	*88.38*	
		For Black Anodized Finish, Add	*39.27*	
		For Corner Mullion, Add	*39.70*	

08 44 26 Structural Glass Curtain Walls *(08 44)*

08 44 26 16 Metal Framed Point Supported Glass Curtain Walls *(08 44 26)*

08 44 26 16-0001 Centria Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0002	SF	Centria CS-260, 210 Single Skin Metal Panel Note: Metal Panels include panel system base, vertical joints, vertical joint covers, foam and metal closure for vertical joints, clips and attachments. Includes extruded aluminum coping with two coats of 70% Mica Kynar finish factory installed.	68.26	19.51
08 44 26 16-0003	SF	Centria Formawall Insulated Metal Panels Note: Includes two coats of 70% Mica Kynar finish factory installed. Includes base extrusion and coping extrusions.	114.98	16.25
08 44 26 16-0004	LF	Centria Formawall Insulated Metal Panels Radius Column Note: Includes radius coping.	188.99	27.09
08 44 26 16-0005	LF	Centria Formawall Insulated Metal Panels Coping	37.80	5.41
08 44 26 16-0006	SF	Centria Formawavue 3000 Thru Tube Window System Without Glass Note: 20 pounds per square foot (PSF) wind load with 70% Mica Kynar two coat finish factory installed.	130.66	26.00
08 44 26 16-0007	SF	Centria Formawavue 3000 Insulated Vision Units Note: Vision insulated units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface.	25.09	
08 44 26 16-0008	SF	Centria Formawavue 3000 Insulated Silkscreen Pattern Units Note: Silkscreen units to be 1" clear tempered insulated units with PPG Solarban 60 low-e coating on the #2 surface and manufacturers standard silk screen (dots or lines) pattern on inboard lite.	48.54	
08 44 26 16-0009	LF	Centria Integrated Louver System Note: Factory installed 70% Mica Kynar two coat finish. Excludes blank-off panels or insect screens.	296.94	16.25
08 44 26 16-0010	LF	Centria Integrated Sunshade System Note: Factory installed 70% Mica Kynar two coat finish.	1,365.81	114.86

08 44 26 16-0011 Kalwall Exterior Closure Components *(08 44 26 16)*

08 44 26 16-0012	SF	Kalwall Translucent Panel System Standard Note: 25 pounds per square foot (PSF) wind load. Factory installed 70% Mica Kynar two coat finish.	163.52	21.67
08 44 26 16-0013	SF	Kalwall Translucent Panel System High Impact	170.46	21.67
08 44 26 16-0014	EA	Wind Clips Note: 2 per connection to steel tube includes all welding, fasteners, prep, and clean up.	404.46	
08 44 26 16-0015	EA	Sill Angle With Welded Support Angles For The Kalwall System Note: Includes all welding, fasteners, prep, and clean up.	471.87	
08 44 26 16-0016	EA	Kalwall Head Channel At Coping (Galvanized 16 Gauge 2 x 4.5")	21.57	
08 44 26 16-0017	EA	Kalwall Head Channel At Corners (Galvanized 16 Gauge 2 x 4.5")	94.37	

08 45 Translucent Wall and Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	155.32	6.36
		For Aluminum Frame, Add	*14.58*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	142.41	5.42
		For Aluminum Frame, Add	*13.43*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*
Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,000.81	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.45*	
		For Clear Anodized Finish, Add	*38.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.34*	
		For Color Anodized Finish, Add	*54.06*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,134.31	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.83*	
		For Clear Anodized Finish, Add	*44.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.49*	
		For Color Anodized Finish, Add	*62.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,247.07	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.80*	
		For Clear Anodized Finish, Add	*49.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.40*	
		For Color Anodized Finish, Add	*69.30*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,339.10	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For Clear Anodized Finish, Add	*53.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Color Anodized Finish, Add	*74.74*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,555.53	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.40*	
		For Clear Anodized Finish, Add	*63.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.19*	
		For Color Anodized Finish, Add	*88.89*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	50.92	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.85*	
		For Clear Anodized Finish, Add	*2.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.54*	
		For Color Anodized Finish, Add	*2.96*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,550.22	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.43*	
		For Clear Anodized Finish, Add	*66.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.30*	
		For Color Anodized Finish, Add	*92.52*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,730.37	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.75*	
		For Clear Anodized Finish, Add	*74.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.25*	
		For Color Anodized Finish, Add	*104.13*	
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	1,879.41	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.45*	
		For Clear Anodized Finish, Add	*81.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.34*	
		For Color Anodized Finish, Add	*113.56*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,023.26	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.04*	
		For Clear Anodized Finish, Add	*87.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.11*	
		For Color Anodized Finish, Add	*122.63*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,426.29	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.81*	
		For Clear Anodized Finish, Add	*107.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*128.44*	
		For Color Anodized Finish, Add	*149.84*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	79.94	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.43*	
		For Clear Anodized Finish, Add	*3.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.28*	
		For Color Anodized Finish, Add	*5.00*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,643.51	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.30*	
		For Clear Anodized Finish, Add	*70.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.90*	
		For Color Anodized Finish, Add	*99.05*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,859.94	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For Clear Anodized Finish, Add	*80.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,034.90	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.56*	
		For Clear Anodized Finish, Add	*88.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.67*	
		For Color Anodized Finish, Add	*124.45*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,204.67	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.67*	
		For Clear Anodized Finish, Add	*96.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.00*	
		For Color Anodized Finish, Add	*135.33*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,649.16	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.27*	
		For Clear Anodized Finish, Add	*118.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*141.81*	
		For Color Anodized Finish, Add	*165.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	87.35	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.58*	
		For Clear Anodized Finish, Add	*3.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.73*	
		For Color Anodized Finish, Add	*5.51*	
08 51 13 00-0024		4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*		
08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	1,819.74	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.82*	
		For Clear Anodized Finish, Add	*79.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*95.47*	
		For Color Anodized Finish, Add	*111.38*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,103.55	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.21*	
		For Clear Anodized Finish, Add	*93.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*111.64*	
		For Color Anodized Finish, Add	*130.25*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,283.69	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.53*	
		For Clear Anodized Finish, Add	*101.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*121.60*	
		For Color Anodized Finish, Add	*141.86*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,453.46	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.64*	
		For Clear Anodized Finish, Add	*109.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.92*	
		For Color Anodized Finish, Add	*152.75*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,861.67	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.52*	
		For Clear Anodized Finish, Add	*128.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.56*	
		For Color Anodized Finish, Add	*180.32*	
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	94.45	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.72*	
		For Clear Anodized Finish, Add	*4.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.15*	
		For Color Anodized Finish, Add	*6.01*	
08 51 13 00-0031		Double Hung Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0032		3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*		
08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,140.75	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.24*	
		For Clear Anodized Finish, Add	*45.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.73*	
		For Color Anodized Finish, Add	*63.86*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,269.07	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.53*	
		For Clear Anodized Finish, Add	*51.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.58*	
		For Color Anodized Finish, Add	*71.84*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,376.65	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.39*	
		For Clear Anodized Finish, Add	*55.98*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.17*	
		For Color Anodized Finish, Add	*78.37*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,489.41	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.36*	
		For Clear Anodized Finish, Add	*60.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.08*	
		For Color Anodized Finish, Add	*85.26*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,757.67	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.44*	
		For Clear Anodized Finish, Add	*73.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*88.32*	
		For Color Anodized Finish, Add	*103.04*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	57.65	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.98*	
		For Clear Anodized Finish, Add	*2.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.94*	
		For Color Anodized Finish, Add	*3.44*	
08 51 13 00-0039		4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*		
08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,436.19	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.15*	
		For Clear Anodized Finish, Add	*60.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.46*	
		For Color Anodized Finish, Add	*84.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,678.54	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.71*	
		For Clear Anodized Finish, Add	*71.79*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.14*	
		For Color Anodized Finish, Add	*100.50*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,874.22	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For Clear Anodized Finish, Add	*80.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,095.83	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.49*	
		For Clear Anodized Finish, Add	*91.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.47*	
		For Color Anodized Finish, Add	*127.71*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,509.22	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.47*	
		For Clear Anodized Finish, Add	*111.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*133.41*	
		For Color Anodized Finish, Add	*155.65*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	82.69	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.48*	
		For Clear Anodized Finish, Add	*3.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.45*	
		For Color Anodized Finish, Add	*5.19*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	1,845.65	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.34*	
		For Clear Anodized Finish, Add	*80.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.03*	
		For Color Anodized Finish, Add	*113.20*	
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,129.46	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.73*	
		For Clear Anodized Finish, Add	*94.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.20*	
		For Color Anodized Finish, Add	*132.06*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,366.62	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.19*	
		For Clear Anodized Finish, Add	*105.48*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.57*	
		For Color Anodized Finish, Add	*147.67*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,598.59	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.54*	
		For Clear Anodized Finish, Add	*116.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.63*	
		For Color Anodized Finish, Add	*162.90*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,167.47	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.64*	
		For Clear Anodized Finish, Add	*144.09*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.91*	
		For Color Anodized Finish, Add	*201.73*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	104.61	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.92*	
		For Clear Anodized Finish, Add	*4.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.76*	
		For Color Anodized Finish, Add	*6.72*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	2,953.58	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*54.22*	
		For Clear Anodized Finish, Add	*135.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*162.65*	
		For Color Anodized Finish, Add	*189.75*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,242.56	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.71*	
		For Clear Anodized Finish, Add	*149.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.13*	
		For Color Anodized Finish, Add	*208.98*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,583.37	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.24*	
		For Clear Anodized Finish, Add	*165.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*198.72*	
		For Color Anodized Finish, Add	*231.84*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,162.62	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.54*	
		For Clear Anodized Finish, Add	*193.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*232.62*	
		For Color Anodized Finish, Add	*271.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	137.63	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.58*	
		For Clear Anodized Finish, Add	*6.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.74*	
		For Color Anodized Finish, Add	*9.03*	
08 51 13 00-0059		5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*		
08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,124.95	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.64*	
		For Clear Anodized Finish, Add	*194.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*232.93*	
		For Color Anodized Finish, Add	*271.75*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,450.22	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*83.86*	
		For Clear Anodized Finish, Add	*209.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*251.59*	
		For Color Anodized Finish, Add	*293.52*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	4,822.13	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*91.02*	
		For Clear Anodized Finish, Add	*227.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*273.05*	
		For Color Anodized Finish, Add	*318.55*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,473.94	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*103.77*	
		For Clear Anodized Finish, Add	*259.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*311.30*	
		For Color Anodized Finish, Add	*363.18*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	181.69	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.46*	
		For Clear Anodized Finish, Add	*8.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.39*	
		For Color Anodized Finish, Add	*12.12*	
08 51 13 00-0065		Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0066		One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*		
08 51 13 00-0067		2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*		
08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,026.73	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.96*	
		For Clear Anodized Finish, Add	*39.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*47.89*	
		For Color Anodized Finish, Add	*55.87*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,165.41	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.45*	
		For Clear Anodized Finish, Add	*46.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.36*	
		For Color Anodized Finish, Add	*64.58*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,267.80	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.21*	
		For Clear Anodized Finish, Add	*50.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.64*	
		For Color Anodized Finish, Add	*70.75*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,375.38	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.08*	
		For Clear Anodized Finish, Add	*55.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.24*	
		For Color Anodized Finish, Add	*77.28*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,602.17	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.33*	
		For Clear Anodized Finish, Add	*65.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.99*	
		For Color Anodized Finish, Add	*92.16*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	52.47	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For Clear Anodized Finish, Add	*2.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.63*	
		For Color Anodized Finish, Add	*3.07*	
08 51 13 00-0074		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,684.98	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.13*	
		For Clear Anodized Finish, Add	*72.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*87.39*	
		For Color Anodized Finish, Add	*101.95*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	1,906.59	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.28*	
		For Clear Anodized Finish, Add	*83.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*99.83*	
		For Color Anodized Finish, Add	*116.46*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,081.55	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.49*	
		For Clear Anodized Finish, Add	*91.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.47*	
		For Color Anodized Finish, Add	*127.71*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,251.32	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.60*	
		For Clear Anodized Finish, Add	*99.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.80*	
		For Color Anodized Finish, Add	*138.60*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,628.43	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.86*	
		For Clear Anodized Finish, Add	*117.14*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.57*	
		For Color Anodized Finish, Add	*163.99*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	86.68	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.56*	
		For Clear Anodized Finish, Add	*3.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.69*	
		For Color Anodized Finish, Add	*5.47*	

08 51 13 00-0081 Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0082 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,161.49	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.66*	
		For Clear Anodized Finish, Add	*46.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.98*	
		For Color Anodized Finish, Add	*65.31*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,341.64	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.98*	
		For Clear Anodized Finish, Add	*54.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.93*	
		For Color Anodized Finish, Add	*76.92*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,459.58	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.05*	
		For Clear Anodized Finish, Add	*60.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.15*	
		For Color Anodized Finish, Add	*84.17*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,556.79	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.71*	
		For Clear Anodized Finish, Add	*64.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*77.12*	
		For Color Anodized Finish, Add	*89.98*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	1,814.68	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.58*	
		For Clear Anodized Finish, Add	*76.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.74*	
		For Color Anodized Finish, Add	*107.03*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)	59.52	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For Clear Anodized Finish, Add	*2.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Color Anodized Finish, Add	*3.57*	

08 51 13 00-0089 Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*

08 51 13 00-0090 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,125.88	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.95*	
		For Clear Anodized Finish, Add	*144.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.84*	
		For Color Anodized Finish, Add	*202.81*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,596.97	158.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.65*	
		For Clear Anodized Finish, Add	*166.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*199.96*	
		For Color Anodized Finish, Add	*233.29*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	3,891.14	167.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*72.25*	
		For Clear Anodized Finish, Add	*180.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*216.76*	
		For Color Anodized Finish, Add	*252.88*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	4,714.67	188.54
		For 50% Fluoropolymer Finish (Acrynar), Add	*88.01*	
		For Clear Anodized Finish, Add	*220.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*264.03*	
		For Color Anodized Finish, Add	*308.03*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	5,446.87	214.25
		For 50% Fluoropolymer Finish (Acrynar), Add	*101.80*	
		For Clear Anodized Finish, Add	*254.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*305.39*	
		For Color Anodized Finish, Add	*356.29*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)	93.37	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.70*	
		For Clear Anodized Finish, Add	*4.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.09*	
		For Color Anodized Finish, Add	*5.94*	

08 51 13 00-0097 Fixed Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*

08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	783.12	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.09*	
		For Clear Anodized Finish, Add	*27.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.28*	
		For Color Anodized Finish, Add	*38.82*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	901.07	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.17*	
		For Clear Anodized Finish, Add	*32.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*39.50*	
		For Color Anodized Finish, Add	*46.08*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	951.63	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.89*	
		For Clear Anodized Finish, Add	*34.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*41.67*	
		For Color Anodized Finish, Add	*48.62*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,002.20	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.62*	
		For Clear Anodized Finish, Add	*36.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*43.85*	
		For Color Anodized Finish, Add	*51.16*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,353.39	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.35*	
		For Clear Anodized Finish, Add	*53.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.06*	
		For Color Anodized Finish, Add	*74.74*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	44.18	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.71*	
		For Clear Anodized Finish, Add	*1.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.14*	
		For Color Anodized Finish, Add	*2.49*	

08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*

08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,011.18	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.65*	
		For Clear Anodized Finish, Add	*39.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.96*	
		For Color Anodized Finish, Add	*54.79*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,165.41	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.45*	
		For Clear Anodized Finish, Add	*46.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*55.36*	
		For Color Anodized Finish, Add	*64.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,257.44	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.01*	
		For Clear Anodized Finish, Add	*50.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.02*	
		For Color Anodized Finish, Add	*70.02*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,354.65	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.67*	
		For Clear Anodized Finish, Add	*54.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*65.00*	
		For Color Anodized Finish, Add	*75.83*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,814.68	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.58*	
		For Clear Anodized Finish, Add	*76.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.74*	
		For Color Anodized Finish, Add	*107.03*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	59.52	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.02*	
		For Clear Anodized Finish, Add	*2.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.06*	
		For Color Anodized Finish, Add	*3.57*	

08 51 13 00-0112 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*

08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	855.68	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.54*	
		For Clear Anodized Finish, Add	*31.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.63*	
		For Color Anodized Finish, Add	*43.90*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,009.92	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.34*	
		For Clear Anodized Finish, Add	*38.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*46.03*	
		For Color Anodized Finish, Add	*53.70*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,091.58	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.69*	
		For Clear Anodized Finish, Add	*41.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.07*	
		For Color Anodized Finish, Add	*58.41*	
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,178.42	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.14*	
		For Clear Anodized Finish, Add	*45.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*54.42*	
		For Color Anodized Finish, Add	*63.49*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,612.54	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.54*	
		For Clear Anodized Finish, Add	*66.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*79.61*	
		For Color Anodized Finish, Add	*92.88*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	52.78	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.88*	
		For Clear Anodized Finish, Add	*2.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.65*	
		For Color Anodized Finish, Add	*3.09*	

08 51 13 00-0119 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*

08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	850.50	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.44*	
		For Clear Anodized Finish, Add	*31.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*37.32*	
		For Color Anodized Finish, Add	*43.54*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	989.18	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.93*	
		For Clear Anodized Finish, Add	*37.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.78*	
		For Color Anodized Finish, Add	*52.25*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,070.85	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.28*	
		For Clear Anodized Finish, Add	*40.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*48.83*	
		For Color Anodized Finish, Add	*56.96*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,157.69	162.83
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.73*	
		For Clear Anodized Finish, Add	*44.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.18*	
		For Color Anodized Finish, Add	*62.04*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,591.81	171.40
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.12*	
		For Clear Anodized Finish, Add	*65.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*78.37*	
		For Color Anodized Finish, Add	*91.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	52.11	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.87*	
		For Clear Anodized Finish, Add	*2.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.61*	
		For Color Anodized Finish, Add	*3.05*	

08 51 13 00-0126 Projected Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0127 Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0128 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*

08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,172.89	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.89*	
		For Clear Anodized Finish, Add	*47.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.66*	
		For Color Anodized Finish, Add	*66.11*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,273.74	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.62*	
		For Clear Anodized Finish, Add	*51.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*61.86*	
		For Color Anodized Finish, Add	*72.16*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,392.20	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.70*	
		For Clear Anodized Finish, Add	*56.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*68.11*	
		For Color Anodized Finish, Add	*79.46*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	84.24	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.51*	
		For Clear Anodized Finish, Add	*3.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.54*	
		For Color Anodized Finish, Add	*5.30*	

08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,631.13	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.05*	
		For Clear Anodized Finish, Add	*70.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*84.16*	
		For Color Anodized Finish, Add	*98.18*	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	1,807.65	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.30*	
		For Clear Anodized Finish, Add	*78.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*93.89*	
		For Color Anodized Finish, Add	*109.54*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,014.17	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.14*	
		For Clear Anodized Finish, Add	*87.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.42*	
		For Color Anodized Finish, Add	*122.99*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	125.71	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.34*	
		For Clear Anodized Finish, Add	*5.86*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.03*	
		For Color Anodized Finish, Add	*8.20*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	1,803.00	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*31.49*	
		For Clear Anodized Finish, Add	*78.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*94.47*	
		For Color Anodized Finish, Add	*110.21*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,007.82	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.30*	
		For Clear Anodized Finish, Add	*88.25*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.90*	
		For Color Anodized Finish, Add	*123.55*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,247.41	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.81*	
		For Clear Anodized Finish, Add	*99.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*119.42*	
		For Color Anodized Finish, Add	*139.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	141.26	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.65*	
		For Clear Anodized Finish, Add	*6.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.96*	
		For Color Anodized Finish, Add	*9.29*	
08 51 13 00-0143		3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*		
08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	1,921.38	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.86*	
		For Clear Anodized Finish, Add	*84.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*101.57*	
		For Color Anodized Finish, Add	*118.50*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,145.74	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.06*	
		For Clear Anodized Finish, Add	*95.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*114.18*	
		For Color Anodized Finish, Add	*133.20*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,408.08	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.02*	
		For Clear Anodized Finish, Add	*107.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*129.06*	
		For Color Anodized Finish, Add	*150.57*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	151.99	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.87*	
		For Clear Anodized Finish, Add	*7.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.61*	
		For Color Anodized Finish, Add	*10.04*	
08 51 13 00-0148		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*		
08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	1,906.09	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.55*	
		For Clear Anodized Finish, Add	*83.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.65*	
		For Color Anodized Finish, Add	*117.43*	
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,127.96	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.70*	
		For Clear Anodized Finish, Add	*94.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.11*	
		For Color Anodized Finish, Add	*131.96*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,387.35	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.61*	
		For Clear Anodized Finish, Add	*106.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*127.82*	
		For Color Anodized Finish, Add	*149.12*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	150.59	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.84*	
		For Clear Anodized Finish, Add	*7.10*	
		For 70% Fluoropolymer Finish (Duranar), Add	*8.52*	
		For Color Anodized Finish, Add	*9.94*	
08 51 13 00-0153		Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*		
08 51 13 00-0154		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*		
08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,673.16	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.89*	
		For Clear Anodized Finish, Add	*72.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.68*	
		For Color Anodized Finish, Add	*101.12*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	1,856.58	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.28*	
		For Clear Anodized Finish, Add	*80.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*96.83*	
		For Color Anodized Finish, Add	*112.96*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,071.18	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.28*	
		For Clear Anodized Finish, Add	*90.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.84*	
		For Color Anodized Finish, Add	*126.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	129.34	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.42*	
		For Clear Anodized Finish, Add	*6.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.25*	
		For Color Anodized Finish, Add	*8.45*	

08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*

08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,398.74	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.40*	
		For Clear Anodized Finish, Add	*108.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.21*	
		For Color Anodized Finish, Add	*151.91*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,701.89	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.18*	
		For Clear Anodized Finish, Add	*122.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*147.54*	
		For Color Anodized Finish, Add	*172.13*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,055.97	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.98*	
		For Clear Anodized Finish, Add	*139.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*167.93*	
		For Color Anodized Finish, Add	*195.92*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	195.16	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.73*	
		For Clear Anodized Finish, Add	*9.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.20*	
		For Color Anodized Finish, Add	*13.06*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,551.49	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.46*	
		For Clear Anodized Finish, Add	*116.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.38*	
		For Color Anodized Finish, Add	*162.61*	
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,879.82	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.74*	
		For Clear Anodized Finish, Add	*131.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.22*	
		For Color Anodized Finish, Add	*184.59*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,263.29	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*60.12*	
		For Clear Anodized Finish, Add	*150.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*180.37*	
		For Color Anodized Finish, Add	*210.43*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	208.64	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.00*	
		For Clear Anodized Finish, Add	*10.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.00*	
		For Color Anodized Finish, Add	*14.00*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,536.25	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.15*	
		For Clear Anodized Finish, Add	*115.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.46*	
		For Color Anodized Finish, Add	*161.54*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	2,862.04	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.38*	
		For Clear Anodized Finish, Add	*130.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.15*	
		For Color Anodized Finish, Add	*183.35*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,242.56	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.71*	
		For Clear Anodized Finish, Add	*149.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.13*	
		For Color Anodized Finish, Add	*208.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	207.60	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.98*	
		For Clear Anodized Finish, Add	*9.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.94*	
		For Color Anodized Finish, Add	*13.93*	

08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*

08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	2,773.01	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.89*	
		For Clear Anodized Finish, Add	*127.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*152.67*	
		For Color Anodized Finish, Add	*178.11*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,137.89	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.90*	
		For Clear Anodized Finish, Add	*144.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.70*	
		For Color Anodized Finish, Add	*202.65*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,563.91	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.14*	
		For Clear Anodized Finish, Add	*165.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*198.41*	
		For Color Anodized Finish, Add	*231.48*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	228.85	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.41*	
		For Clear Anodized Finish, Add	*11.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.22*	
		For Color Anodized Finish, Add	*15.42*	

08 51 13 00-0179 Casement Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0180 Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0181 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*

08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,360.00	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.63*	
		For Clear Anodized Finish, Add	*56.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.89*	
		For Color Anodized Finish, Add	*79.20*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,491.74	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.98*	
		For Clear Anodized Finish, Add	*62.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.94*	
		For Color Anodized Finish, Add	*87.42*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,646.17	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.78*	
		For Clear Anodized Finish, Add	*69.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.34*	
		For Color Anodized Finish, Add	*97.23*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	101.19	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.85*	
		For Clear Anodized Finish, Add	*4.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.56*	
		For Color Anodized Finish, Add	*6.48*	

08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*

08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,055.05	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.53*	
		For Clear Anodized Finish, Add	*91.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*109.59*	
		For Color Anodized Finish, Add	*127.86*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,301.44	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.17*	
		For Clear Anodized Finish, Add	*102.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*123.52*	
		For Color Anodized Finish, Add	*144.10*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,589.49	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.65*	
		For Clear Anodized Finish, Add	*116.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*139.94*	
		For Color Anodized Finish, Add	*163.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	164.06	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.11*	
		For Clear Anodized Finish, Add	*7.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.33*	
		For Color Anodized Finish, Add	*10.88*	
08 51 13 00-0191		3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*		
08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,066.51	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.76*	
		For Clear Anodized Finish, Add	*91.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*110.28*	
		For Color Anodized Finish, Add	*128.66*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,314.81	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.44*	
		For Clear Anodized Finish, Add	*103.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.32*	
		For Color Anodized Finish, Add	*145.04*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,605.04	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.96*	
		For Clear Anodized Finish, Add	*117.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*140.88*	
		For Color Anodized Finish, Add	*164.36*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	165.10	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.13*	
		For Clear Anodized Finish, Add	*7.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.39*	
		For Color Anodized Finish, Add	*10.96*	
08 51 13 00-0196		4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*		
08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,184.89	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.13*	
		For Clear Anodized Finish, Add	*97.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*117.38*	
		For Color Anodized Finish, Add	*136.95*	
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,452.73	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.20*	
		For Clear Anodized Finish, Add	*110.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*132.59*	
		For Color Anodized Finish, Add	*154.69*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,765.72	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.17*	
		For Clear Anodized Finish, Add	*125.43*	
		For 70% Fluoropolymer Finish (Duranar), Add	*150.52*	
		For Color Anodized Finish, Add	*175.60*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	175.83	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.35*	
		For Clear Anodized Finish, Add	*8.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.04*	
		For Color Anodized Finish, Add	*11.71*	
08 51 13 00-0201		Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*		
08 51 13 00-0202		2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*		
08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,570.05	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.83*	
		For Clear Anodized Finish, Add	*67.08*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.49*	
		For Color Anodized Finish, Add	*93.91*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,736.43	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.87*	
		For Clear Anodized Finish, Add	*74.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.62*	
		For Color Anodized Finish, Add	*104.55*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	1,931.24	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.48*	
		For Clear Anodized Finish, Add	*83.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*100.45*	
		For Color Anodized Finish, Add	*117.19*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	120.16	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.23*	
		For Clear Anodized Finish, Add	*5.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.70*	
		For Color Anodized Finish, Add	*7.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0207		2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*		
08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,265.07	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.73*	
		For Clear Anodized Finish, Add	*101.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*122.19*	
		For Color Anodized Finish, Add	*142.56*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,546.13	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*46.07*	
		For Clear Anodized Finish, Add	*115.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*138.20*	
		For Color Anodized Finish, Add	*161.23*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,874.56	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.35*	
		For Clear Anodized Finish, Add	*130.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*157.05*	
		For Color Anodized Finish, Add	*183.22*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	183.08	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.49*	
		For Clear Anodized Finish, Add	*8.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.47*	
		For Color Anodized Finish, Add	*12.22*	
08 51 13 00-0212		3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*		
08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,520.96	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.85*	
		For Clear Anodized Finish, Add	*114.62*	
		For 70% Fluoropolymer Finish (Duranar), Add	*137.55*	
		For Color Anodized Finish, Add	*160.47*	
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,844.26	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.03*	
		For Clear Anodized Finish, Add	*130.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.09*	
		For Color Anodized Finish, Add	*182.10*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,221.83	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.29*	
		For Clear Anodized Finish, Add	*148.24*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.88*	
		For Color Anodized Finish, Add	*207.53*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	206.20	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.95*	
		For Clear Anodized Finish, Add	*9.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.86*	
		For Color Anodized Finish, Add	*13.83*	
08 51 13 00-0217		4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*		
08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	2,753.89	137.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.51*	
		For Clear Anodized Finish, Add	*126.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*151.52*	
		For Color Anodized Finish, Add	*176.78*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,115.65	145.69
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.46*	
		For Clear Anodized Finish, Add	*143.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.37*	
		For Color Anodized Finish, Add	*201.10*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,538.00	154.26
		For 50% Fluoropolymer Finish (Acrynar), Add	*65.62*	
		For Clear Anodized Finish, Add	*164.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*196.85*	
		For Color Anodized Finish, Add	*229.66*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	227.30	5.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.37*	
		For Clear Anodized Finish, Add	*10.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.12*	
		For Color Anodized Finish, Add	*15.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0222		Aluminum Window Accessories *(08 51 13)*		
08 51 13 00-0223		Aluminum Window Mullions *(08 51 13 00-0222)*		
08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	44.88	6.42
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.66*	
		For Clear Anodized Finish, Add	*1.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.98*	
		For Color Anodized Finish, Add	*2.31*	
08 51 13 00-0225		Aluminum Window Panning *(08 51 13 00-0222)*		
		Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	475.61	50.71
		For 50% Fluoropolymer Finish (Acrynar), Add	*7.82*	
		For Clear Anodized Finish, Add	*19.55*	
		For 70% Fluoropolymer Finish (Duranar), Add	*23.47*	
		For Color Anodized Finish, Add	*27.38*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	645.04	84.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.08*	
		For Clear Anodized Finish, Add	*25.21*	
		For 70% Fluoropolymer Finish (Duranar), Add	*30.25*	
		For Color Anodized Finish, Add	*35.29*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	762.60	126.79
		For 50% Fluoropolymer Finish (Acrynar), Add	*11.03*	
		For Clear Anodized Finish, Add	*27.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*33.08*	
		For Color Anodized Finish, Add	*38.59*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	889.59	169.05
		For 50% Fluoropolymer Finish (Acrynar), Add	*12.16*	
		For Clear Anodized Finish, Add	*30.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*36.47*	
		For Color Anodized Finish, Add	*42.55*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	1,138.83	253.57
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.32*	
		For Clear Anodized Finish, Add	*35.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*42.97*	
		For Color Anodized Finish, Add	*50.13*	
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	39.99	10.57
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.45*	
		For Clear Anodized Finish, Add	*1.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.34*	
		For Color Anodized Finish, Add	*1.57*	
08 51 13 00-0232		Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*		
08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	10.69	6.42
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.04*	
		For Clear Anodized Finish, Add	*0.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.13*	
		For Color Anodized Finish, Add	*0.15*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	16.82	6.42
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.17*	
		For Clear Anodized Finish, Add	*0.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.50*	
		For Color Anodized Finish, Add	*0.58*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	33.21	6.42
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.24*	
		For Clear Anodized Finish, Add	*0.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.71*	
		For Color Anodized Finish, Add	*0.82*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	40.77	6.42
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.33*	
		For Clear Anodized Finish, Add	*0.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.99*	
		For Color Anodized Finish, Add	*1.15*	
08 51 13 00-0237		Other Aluminum Window Accessories *(08 51 13 00-0222)*		
08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	400.79	28.55
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	193.47	28.55
08 51 19		**Stainless-Steel Windows** *(08 51)*		
		See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001		Stainless Steel Windows Types *(08 51 19)*		
08 51 19 00-0002		Industrial *(08 51 19 00-0001)*		
08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	121.80	8.57
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	91.46	8.57
08 51 19 00-0005		Projected Sash *(08 51 19 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	127.46	8.57
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	140.88	8.57
08 51 19 00-0008		Other Type Sash *(08 51 19 00-0001)*		
08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	154.26	8.57
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	108.68	8.57
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	90.56	8.57
08 51 19 00-0012	SF	Sliding Stainless Steel Window	159.17	8.57
08 51 19 00-0013		Casements *(08 51 19 00-0001)*		
08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	138.10	8.57
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	119.24	8.57
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	83.65	8.57
08 51 23		**Steel Windows** *(08 51)*		
		Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.		
08 51 23 00-0001		Steel Windows *(08 51 23)*		
08 51 23 00-0002		Industrial *(08 51 23 00-0001)*		
08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	113.97	8.57
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	101.55	8.57
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	164.86	8.57
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	140.03	8.57
08 51 23 00-0007		Projected Sash *(08 51 23 00-0001)*		
08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	129.61	8.57
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	143.26	8.57
08 51 23 00-0010		Other Type Sash *(08 51 23 00-0001)*		
08 51 23 00-0011	SF	Double Hung Steel Window Sash	167.36	8.57
08 51 23 00-0012	SF	Steel Picture Window Sash	70.18	8.57
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	172.74	10.71
08 51 23 00-0014	SF	Single Hung Steel Window Sash	117.53	8.57
08 51 23 00-0015		Casements *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	149.72	4.28
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	129.09	4.28
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	90.15	6.42
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	52.78	6.42
08 51 23 00-0021	LF	Covered Steel Mullions	91.80	6.42
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)*		
		Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	22.64	
08 51 69		**Metal Storm Windows** *(08 51)*		
08 51 69 00-0001		Storm Windows *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	64.61	4.28
08 52		**Wood Windows** *(08 50)*		
08 52 11		**Wood Windows** *(08 52)*		
08 52 11 00-0001		Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11)*		
		Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002		30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	383.62	
		For Low-E Insulated Glass, Add	*29.63*	
		For Aluminum Clad Exterior, Add	*31.75*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	406.84	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	431.59	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	444.73	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	456.33	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	471.00	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	478.09	
		For Low-E Insulated Glass, Add	*38.38*	
		For Aluminum Clad Exterior, Add	*41.12*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	507.35	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	532.10	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	

08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	406.84	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	431.59	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	452.34	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	471.00	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	482.61	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	495.75	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	507.35	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	532.10	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	556.86	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	417.98	
		For Low-E Insulated Glass, Add	*33.04*	
		For Aluminum Clad Exterior, Add	*35.40*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	442.73	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	469.00	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	480.61	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	493.75	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	505.36	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	518.48	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	541.71	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	566.46	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	433.59	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	458.34	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	484.61	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	497.75	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	509.35	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	522.48	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	534.10	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	558.85	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	583.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	482.61	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	507.35	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	532.10	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	543.72	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	556.86	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	568.46	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	581.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	606.34	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	632.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	493.75	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	518.48	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	541.71	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	554.86	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	566.46	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	579.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	591.21	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	617.48	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	642.23	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	509.35	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	534.10	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	558.85	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	570.46	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	583.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	595.21	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	608.34	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	634.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	659.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

08 52 11 00-0072 54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	534.10	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	558.85	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	583.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	595.21	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	608.34	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	621.48	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	634.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	659.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	684.10	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	

08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows
(08 52 11 00-0001)

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	556.86	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	581.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	606.34	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	619.47	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	632.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	644.23	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	657.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	682.10	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	705.34	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	

08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	566.46	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	591.21	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	617.48	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	630.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	642.23	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	655.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	666.98	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	691.72	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	716.47	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	

08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	583.60	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	608.34	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	634.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	646.23	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	659.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	670.98	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	684.10	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	707.34	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	732.08	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	

08 52 11 00-0112 66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	608.34	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	634.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	659.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	670.98	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	684.10	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	695.72	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	707.34	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	732.08	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	756.83	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	

08 52 11 00-0122 70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	632.62	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	657.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	682.10	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	693.72	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	705.34	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	722.99	
		For Low-E Insulated Glass, Add	*62.02*	
		For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	731.68	
		For Low-E Insulated Glass, Add	*62.68*	
		For Aluminum Clad Exterior, Add	*67.16*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	754.83	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	781.10	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	

08 52 11 00-0132 74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	659.36	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	684.10	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	707.34	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	720.47	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	732.08	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	745.21	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	756.83	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	783.11	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	807.85	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0142		78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	692.11	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	715.33	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	740.08	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	753.21	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	764.84	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	777.96	
		For Low-E Insulated Glass, Add	*66.08*	
		For Aluminum Clad Exterior, Add	*70.80*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	791.10	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	815.85	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	840.59	
		For Low-E Insulated Glass, Add	*72.05*	
		For Aluminum Clad Exterior, Add	*77.20*	
08 52 11 00-0152		Commercial And Institutional Heavy Double Hung Windows *(08 52 11)* Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	201.35	17.86
		For Insulating Glass, Add	*14.08*	
08 52 11 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	187.98	19.86
		For Insulating Glass, Add	*12.61*	
08 52 11 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	175.15	22.28
		For Insulating Glass, Add	*11.09*	
08 52 11 00-0156		Architectural And Historic Reproduction Wood Windows *(08 52 11)* Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	218.82	17.85
		For Insulating Glass, Add	*15.57*	
08 52 11 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	197.41	19.85
		For Insulating Glass, Add	*13.41*	
08 52 11 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	180.68	22.27
		For Insulating Glass, Add	*11.56*	
08 52 11 00-0160		Removal And Reinstallation Of Wood Window And Frame *(08 52 11)* Note: Includes storage, cleaning and supply materials.		
08 52 11 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames	34.17	
08 52 13		**Metal-Clad Wood Windows** *(08 52)*		
08 52 13 00-0001		Double Hung Metal Clad Windows *(08 52 13)*		
08 52 13 00-0002		Double Hung Metal Clad Windows *(08 52 13 00-0001)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0003		36-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*		
08 52 13 00-0004	EA	21-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	853.85	65.70
		For Tempered Low-E Insulated Glass, Add	*144.77*	
08 52 13 00-0005	EA	25-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	906.84	67.85
		For Tempered Low-E Insulated Glass, Add	*154.23*	
08 52 13 00-0006	EA	29-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	962.78	70.70
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0007	EA	31-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	992.24	72.84
		For Tempered Low-E Insulated Glass, Add	*169.59*	
08 52 13 00-0008	EA	33-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,018.73	74.27
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0009	EA	35-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,045.23	75.70
		For Tempered Low-E Insulated Glass, Add	*179.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0010	EA	37-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,074.68	76.41
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0011	EA	41-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.67	79.28
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0012	EA	45-5/8" x 36-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.13
		For Tempered Low-E Insulated Glass, Add	*203.87*	

08 52 13 00-0013 40-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0014	EA	21-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	906.84	68.56
		For Tempered Low-E Insulated Glass, Add	*154.23*	
08 52 13 00-0015	EA	25-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	962.78	70.70
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0016	EA	29-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,018.73	73.56
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0017	EA	31-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,045.23	75.70
		For Tempered Low-E Insulated Glass, Add	*179.05*	
08 52 13 00-0018	EA	33-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,074.68	77.14
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0019	EA	35-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,101.18	78.56
		For Tempered Low-E Insulated Glass, Add	*189.10*	
08 52 13 00-0020	EA	37-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.67	79.28
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0021	EA	41-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.13
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0022	EA	45-5/8" x 40-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	84.99
		For Tempered Low-E Insulated Glass, Add	*213.91*	

08 52 13 00-0023 44-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0024	EA	21-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	962.78	71.41
		For Tempered Low-E Insulated Glass, Add	*164.28*	
08 52 13 00-0025	EA	25-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,018.73	73.56
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0026	EA	29-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,074.68	76.41
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0027	EA	31-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,101.18	78.56
		For Tempered Low-E Insulated Glass, Add	*189.10*	
08 52 13 00-0028	EA	33-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.67	79.99
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0029	EA	35-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,157.09	81.42
		For Tempered Low-E Insulated Glass, Add	*199.14*	
08 52 13 00-0030	EA	37-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.13
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0031	EA	41-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	84.99
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0032	EA	45-5/8" x 44-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	87.84
		For Tempered Low-E Insulated Glass, Add	*223.96*	

08 52 13 00-0033 48-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0034	EA	21-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,018.73	74.27
		For Tempered Low-E Insulated Glass, Add	*174.32*	
08 52 13 00-0035	EA	25-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,074.68	76.41
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0036	EA	29-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.67	79.28
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0037	EA	31-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,157.09	81.42
		For Tempered Low-E Insulated Glass, Add	*199.14*	
08 52 13 00-0038	EA	33-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.85
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0039	EA	35-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,210.09	84.27
		For Tempered Low-E Insulated Glass, Add	*208.59*	
08 52 13 00-0040	EA	37-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	84.99
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0041	EA	41-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	87.84
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0042	EA	45-5/8" x 48-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	90.70
		For Tempered Low-E Insulated Glass, Add	*233.42*	

08 52 13 00-0043 52-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0044	EA	21-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,074.68	77.14
		For Tempered Low-E Insulated Glass, Add	*184.37*	
08 52 13 00-0045	EA	25-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.67	79.28
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0046	EA	29-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.13
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0047	EA	31-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,210.09	84.27
		For Tempered Low-E Insulated Glass, Add	*208.59*	
08 52 13 00-0048	EA	33-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	85.70
		For Tempered Low-E Insulated Glass, Add	*213.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0049	EA	35-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,266.03	87.13
		For Tempered Low-E Insulated Glass, Add	*218.64*	
08 52 13 00-0050	EA	37-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	87.84
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0051	EA	41-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	90.70
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0052	EA	45-5/8" x 52-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	93.55
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0053		**56-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0054	EA	21-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.67	79.99
		For Tempered Low-E Insulated Glass, Add	*193.83*	
08 52 13 00-0055	EA	25-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.13
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0056	EA	29-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	84.99
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0057	EA	31-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,266.03	87.13
		For Tempered Low-E Insulated Glass, Add	*218.64*	
08 52 13 00-0058	EA	33-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	88.56
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0059	EA	35-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,321.98	89.98
		For Tempered Low-E Insulated Glass, Add	*228.69*	
08 52 13 00-0060	EA	37-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	90.70
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0061	EA	41-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	93.55
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0062	EA	45-5/8" x 56-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.35	96.41
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0063		**60-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0064	EA	21-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,183.58	82.85
		For Tempered Low-E Insulated Glass, Add	*203.87*	
08 52 13 00-0065	EA	25-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	84.99
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0066	EA	29-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	87.84
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0067	EA	31-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,321.98	89.98
		For Tempered Low-E Insulated Glass, Add	*228.69*	
08 52 13 00-0068	EA	33-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	91.41
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0069	EA	35-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,377.92	92.84
		For Tempered Low-E Insulated Glass, Add	*238.73*	
08 52 13 00-0070	EA	37-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	93.55
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0071	EA	41-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.35	96.41
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0072	EA	45-5/8" x 60-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.33	99.27
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0073		**64-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0074	EA	21-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,239.53	85.70
		For Tempered Low-E Insulated Glass, Add	*213.91*	
08 52 13 00-0075	EA	25-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	87.84
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0076	EA	29-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	90.70
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0077	EA	31-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,377.92	92.84
		For Tempered Low-E Insulated Glass, Add	*238.73*	
08 52 13 00-0078	EA	33-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	94.27
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0079	EA	35-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,430.92	95.70
		For Tempered Low-E Insulated Glass, Add	*248.19*	
08 52 13 00-0080	EA	37-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.35	96.41
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0081	EA	41-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.33	99.27
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0082	EA	45-5/8" x 64-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.28	102.13
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0083		**68-7/8" Height, Double Hung Metal Clad Windows** *(08 52 13 00-0002)*		
08 52 13 00-0084	EA	21-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,295.49	88.56
		For Tempered Low-E Insulated Glass, Add	*223.96*	
08 52 13 00-0085	EA	25-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	90.70
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0086	EA	29-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	93.55
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0087	EA	31-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,430.92	95.70
		For Tempered Low-E Insulated Glass, Add	*248.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0088	EA	33-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.35	97.12
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0089	EA	35-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,486.84	98.55
		For Tempered Low-E Insulated Glass, Add	*258.23*	
08 52 13 00-0090	EA	37-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.33	99.27
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0091	EA	41-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.28	102.13
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0092	EA	45-5/8" x 68-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.23	104.99
		For Tempered Low-E Insulated Glass, Add	*283.05*	

08 52 13 00-0093 72-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0094	EA	21-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,348.48	91.41
		For Tempered Low-E Insulated Glass, Add	*233.42*	
08 52 13 00-0095	EA	25-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	93.55
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0096	EA	29-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.35	96.41
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0097	EA	31-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,486.84	98.55
		For Tempered Low-E Insulated Glass, Add	*258.23*	
08 52 13 00-0098	EA	33-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.33	99.99
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0099	EA	35-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,542.78	101.42
		For Tempered Low-E Insulated Glass, Add	*268.28*	
08 52 13 00-0100	EA	37-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.28	102.13
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0101	EA	41-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.23	104.99
		For Tempered Low-E Insulated Glass, Add	*283.05*	
08 52 13 00-0102	EA	45-5/8" x 72-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,681.17	107.84
		For Tempered Low-E Insulated Glass, Add	*293.10*	

08 52 13 00-0103 76-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0104	EA	21-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,404.43	94.27
		For Tempered Low-E Insulated Glass, Add	*243.46*	
08 52 13 00-0105	EA	25-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,460.35	96.41
		For Tempered Low-E Insulated Glass, Add	*253.50*	
08 52 13 00-0106	EA	29-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,513.33	99.27
		For Tempered Low-E Insulated Glass, Add	*262.96*	
08 52 13 00-0107	EA	31-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,542.78	101.42
		For Tempered Low-E Insulated Glass, Add	*268.28*	
08 52 13 00-0108	EA	33-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,569.28	102.84
		For Tempered Low-E Insulated Glass, Add	*273.01*	
08 52 13 00-0109	EA	35-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,598.72	104.27
		For Tempered Low-E Insulated Glass, Add	*278.32*	
08 52 13 00-0110	EA	37-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,625.23	104.99
		For Tempered Low-E Insulated Glass, Add	*283.05*	
08 52 13 00-0111	EA	41-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,681.17	107.84
		For Tempered Low-E Insulated Glass, Add	*293.10*	
08 52 13 00-0112	EA	45-5/8" x 76-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,734.16	110.70
		For Tempered Low-E Insulated Glass, Add	*302.55*	

08 52 13 00-0113 84-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0114	EA	21-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,216.55	99.99
		For Tempered Low-E Insulated Glass, Add	*403.60*	
08 52 13 00-0115	EA	25-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,296.13	102.13
		For Tempered Low-E Insulated Glass, Add	*418.38*	
08 52 13 00-0116	EA	29-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,375.69	104.99
		For Tempered Low-E Insulated Glass, Add	*433.14*	
08 52 13 00-0117	EA	31-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,414.01	107.13
		For Tempered Low-E Insulated Glass, Add	*440.24*	
08 52 13 00-0118	EA	33-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,455.28	108.55
		For Tempered Low-E Insulated Glass, Add	*447.92*	
08 52 13 00-0119	EA	35-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,493.60	109.98
		For Tempered Low-E Insulated Glass, Add	*455.01*	
08 52 13 00-0120	EA	37-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,531.90	110.70
		For Tempered Low-E Insulated Glass, Add	*462.10*	
08 52 13 00-0121	EA	41-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,611.49	113.55
		For Tempered Low-E Insulated Glass, Add	*476.88*	
08 52 13 00-0122	EA	45-5/8" x 84-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,691.05	116.41
		For Tempered Low-E Insulated Glass, Add	*491.65*	

08 52 13 00-0123 88-7/8" Height, Double Hung Metal Clad Windows *(08 52 13 00-0002)*

08 52 13 00-0124	EA	21-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,296.13	102.84
		For Tempered Low-E Insulated Glass, Add	*418.38*	
08 52 13 00-0125	EA	25-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,375.69	104.99
		For Tempered Low-E Insulated Glass, Add	*433.14*	
08 52 13 00-0126	EA	29-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,455.28	107.84
		For Tempered Low-E Insulated Glass, Add	*447.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0127	EA	31-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,493.60	109.98
		For Tempered Low-E Insulated Glass, Add	*455.01*	
08 52 13 00-0128	EA	33-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,531.90	111.41
		For Tempered Low-E Insulated Glass, Add	*462.10*	
08 52 13 00-0129	EA	35-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,573.18	112.84
		For Tempered Low-E Insulated Glass, Add	*469.79*	
08 52 13 00-0130	EA	37-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,611.49	113.55
		For Tempered Low-E Insulated Glass, Add	*476.88*	
08 52 13 00-0131	EA	41-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,691.05	116.41
		For Tempered Low-E Insulated Glass, Add	*491.65*	
08 52 13 00-0132	EA	45-5/8" x 88-7/8" Double Hung Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,770.63	119.26
		For Tempered Low-E Insulated Glass, Add	*506.42*	

08 52 13 00-0133 Casement Metal Clad Windows *(08 52 13)*

08 52 13 00-0134 Casement Metal Clad Windows *(08 52 13 00-0133)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0135 One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0134)*

08 52 13 00-0136 24-1/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0137	EA	17" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	544.20	54.27
		For Tempered Low-E Insulated Glass, Add	*87.41*	
08 52 13 00-0138	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	575.61	55.71
		For Tempered Low-E Insulated Glass, Add	*92.84*	
08 52 13 00-0139	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	610.67	58.57
		For Tempered Low-E Insulated Glass, Add	*98.71*	
08 52 13 00-0140	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	643.04	61.42
		For Tempered Low-E Insulated Glass, Add	*104.04*	

08 52 13 00-0141 28-3/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0142	EA	17" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	583.80	57.14
		For Tempered Low-E Insulated Glass, Add	*94.19*	
08 52 13 00-0143	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	615.21	58.57
		For Tempered Low-E Insulated Glass, Add	*99.62*	
08 52 13 00-0144	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	650.31	61.42
		For Tempered Low-E Insulated Glass, Add	*105.49*	
08 52 13 00-0145	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	667.61	64.28
		For Tempered Low-E Insulated Glass, Add	*107.81*	
08 52 13 00-0146	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	708.32	67.13
		For Tempered Low-E Insulated Glass, Add	*115.10*	

08 52 13 00-0147 35-15/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0148	EA	17" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	654.81	61.42
		For Tempered Low-E Insulated Glass, Add	*106.39*	
08 52 13 00-0149	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	688.47	64.28
		For Tempered Low-E Insulated Glass, Add	*112.27*	
08 52 13 00-0150	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	723.57	66.42
		For Tempered Low-E Insulated Glass, Add	*118.15*	
08 52 13 00-0151	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	779.01	69.27
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 13 00-0152	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	831.78	71.41
		For Tempered Low-E Insulated Glass, Add	*137.79*	
08 52 13 00-0153	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.29	72.84
		For Tempered Low-E Insulated Glass, Add	*147.52*	

08 52 13 00-0154 40-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0155	EA	17" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	702.64	65.70
		For Tempered Low-E Insulated Glass, Add	*114.53*	
08 52 13 00-0156	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	734.02	67.13
		For Tempered Low-E Insulated Glass, Add	*119.95*	
08 52 13 00-0157	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	769.11	69.99
		For Tempered Low-E Insulated Glass, Add	*125.83*	
08 52 13 00-0158	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	849.41	72.84
		For Tempered Low-E Insulated Glass, Add	*140.74*	
08 52 13 00-0159	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	904.72	75.70
		For Tempered Low-E Insulated Glass, Add	*150.95*	
08 52 13 00-0160	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	956.58	78.56
		For Tempered Low-E Insulated Glass, Add	*160.18*	

08 52 13 00-0161 48" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*

08 52 13 00-0162	EA	17" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	770.54	71.41
		For Tempered Low-E Insulated Glass, Add	*125.83*	
08 52 13 00-0163	EA	20-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	804.21	72.84
		For Tempered Low-E Insulated Glass, Add	*131.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0164	EA	24-1/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	839.31	75.70
		For Tempered Low-E Insulated Glass, Add	*137.58*	
08 52 13 00-0165	EA	28-3/8" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	950.08	78.56
		For Tempered Low-E Insulated Glass, Add	*158.59*	
08 52 13 00-0166	EA	31-1/2" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	993.36	81.42
		For Tempered Low-E Insulated Glass, Add	*166.39*	
08 52 13 00-0167	EA	35-15/16" x 48", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,058.38	84.27
		For Tempered Low-E Insulated Glass, Add	*178.25*	
08 52 13 00-0168		52-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0169	EA	17" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	816.93	74.27
		For Tempered Low-E Insulated Glass, Add	*133.96*	
08 52 13 00-0170	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	848.35	75.70
		For Tempered Low-E Insulated Glass, Add	*139.39*	
08 52 13 00-0171	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.44	78.56
		For Tempered Low-E Insulated Glass, Add	*145.26*	
08 52 13 00-0172	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,020.20	81.42
		For Tempered Low-E Insulated Glass, Add	*171.47*	
08 52 13 00-0173	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,084.92	84.27
		For Tempered Low-E Insulated Glass, Add	*183.56*	
08 52 13 00-0174	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,127.38	87.13
		For Tempered Low-E Insulated Glass, Add	*190.91*	
08 52 13 00-0175		59-7/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0176	EA	17" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	883.44	78.56
		For Tempered Low-E Insulated Glass, Add	*145.26*	
08 52 13 00-0177	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	917.10	81.42
		For Tempered Low-E Insulated Glass, Add	*151.14*	
08 52 13 00-0178	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	952.17	83.56
		For Tempered Low-E Insulated Glass, Add	*157.01*	
08 52 13 00-0179	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,120.60	86.42
		For Tempered Low-E Insulated Glass, Add	*189.55*	
08 52 13 00-0180	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,166.41	88.56
		For Tempered Low-E Insulated Glass, Add	*197.86*	
08 52 13 00-0181	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,227.73	91.41
		For Tempered Low-E Insulated Glass, Add	*208.98*	
08 52 13 00-0182		64-13/16" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0183	EA	17" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	931.23	82.85
		For Tempered Low-E Insulated Glass, Add	*153.40*	
08 52 13 00-0184	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	962.66	84.27
		For Tempered Low-E Insulated Glass, Add	*158.82*	
08 52 13 00-0185	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	997.75	87.13
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 13 00-0186	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,191.00	89.98
		For Tempered Low-E Insulated Glass, Add	*202.21*	
08 52 13 00-0187	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,233.61	92.84
		For Tempered Low-E Insulated Glass, Add	*209.87*	
08 52 13 00-0188	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,298.17	95.70
		For Tempered Low-E Insulated Glass, Add	*221.64*	
08 52 13 00-0189		71-7/8" Height, One Operating Sash, Casement Metal Clad Windows *(08 52 13 00-0135)*		
08 52 13 00-0190	EA	17" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	997.75	87.13
		For Tempered Low-E Insulated Glass, Add	*164.70*	
08 52 13 00-0191	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,031.38	89.98
		For Tempered Low-E Insulated Glass, Add	*170.57*	
08 52 13 00-0192	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,066.47	92.13
		For Tempered Low-E Insulated Glass, Add	*176.44*	
08 52 13 00-0193	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,291.39	94.98
		For Tempered Low-E Insulated Glass, Add	*220.28*	
08 52 13 00-0194	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,343.72	97.12
		For Tempered Low-E Insulated Glass, Add	*229.89*	
08 52 13 00-0195	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,398.57	99.99
		For Tempered Low-E Insulated Glass, Add	*239.72*	
08 52 13 00-0196		Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0134)*		
08 52 13 00-0197		24-1/8" Height, Two Operating Sashes, Casement Metal Clad Windows *(08 52 13 00-0196)*		
08 52 13 00-0198	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	976.88	69.99
		For Tempered Low-E Insulated Glass, Add	*167.38*	
08 52 13 00-0199	EA	48" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,110.69	75.70
		For Tempered Low-E Insulated Glass, Add	*191.86*	
08 52 13 00-0200	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,265.74	81.42
		For Tempered Low-E Insulated Glass, Add	*220.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0201		**28-3/8" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0202	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,054.31	72.84
		For Tempered Low-E Insulated Glass, Add	*181.72*	
08 52 13 00-0203	EA	48" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,188.10	78.56
		For Tempered Low-E Insulated Glass, Add	*206.20*	
08 52 13 00-0204	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,343.17	84.27
		For Tempered Low-E Insulated Glass, Add	*234.92*	
08 52 13 00-0205		**35-15/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0206	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,044.69	72.84
		For Tempered Low-E Insulated Glass, Add	*179.80*	
08 52 13 00-0207	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,181.24	78.56
		For Tempered Low-E Insulated Glass, Add	*205.11*	
08 52 13 00-0208	EA	48" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,323.73	84.27
		For Tempered Low-E Insulated Glass, Add	*231.32*	
08 52 13 00-0209	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,488.80	89.27
		For Tempered Low-E Insulated Glass, Add	*262.05*	
08 52 13 00-0210	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,599.34	93.55
		For Tempered Low-E Insulated Glass, Add	*282.44*	
08 52 13 00-0211	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,783.66	99.99
		For Tempered Low-E Insulated Glass, Add	*316.74*	
08 52 13 00-0212		**40-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0213	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,139.97	76.41
		For Tempered Low-E Insulated Glass, Add	*197.43*	
08 52 13 00-0214	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,276.49	81.42
		For Tempered Low-E Insulated Glass, Add	*222.73*	
08 52 13 00-0215	EA	48" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,418.98	87.13
		For Tempered Low-E Insulated Glass, Add	*248.94*	
08 52 13 00-0216	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,584.08	92.84
		For Tempered Low-E Insulated Glass, Add	*279.68*	
08 52 13 00-0217	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,706.61	97.12
		For Tempered Low-E Insulated Glass, Add	*302.47*	
08 52 13 00-0218	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,224.66	103.56
		For Tempered Low-E Insulated Glass, Add	*403.51*	
08 52 13 00-0219		**48" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0220	EA	33-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,280.19	82.13
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 13 00-0221	EA	40-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,418.98	87.13
		For Tempered Low-E Insulated Glass, Add	*248.94*	
08 52 13 00-0222	EA	48" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,561.49	92.84
		For Tempered Low-E Insulated Glass, Add	*275.16*	
08 52 13 00-0223	EA	56-1/2" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,726.57	98.55
		For Tempered Low-E Insulated Glass, Add	*305.89*	
08 52 13 00-0224	EA	62-3/4" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,843.88	102.84
		For Tempered Low-E Insulated Glass, Add	*327.64*	
08 52 13 00-0225	EA	71-5/8" x 48", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,021.40	109.27
		For Tempered Low-E Insulated Glass, Add	*360.57*	
08 52 13 00-0226		**52-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0227	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,374.03	84.99
		For Tempered Low-E Insulated Glass, Add	*240.81*	
08 52 13 00-0228	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,510.58	89.98
		For Tempered Low-E Insulated Glass, Add	*266.12*	
08 52 13 00-0229	EA	48" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,636.29	95.70
		For Tempered Low-E Insulated Glass, Add	*288.98*	
08 52 13 00-0230	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,818.14	101.42
		For Tempered Low-E Insulated Glass, Add	*323.06*	
08 52 13 00-0231	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,941.12	105.70
		For Tempered Low-E Insulated Glass, Add	*345.94*	
08 52 13 00-0232	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,115.25	112.12
		For Tempered Low-E Insulated Glass, Add	*378.20*	
08 52 13 00-0233		**59-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0234	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,512.83	89.98
		For Tempered Low-E Insulated Glass, Add	*266.57*	
08 52 13 00-0235	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,649.36	95.70
		For Tempered Low-E Insulated Glass, Add	*291.88*	
08 52 13 00-0236	EA	48" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,791.86	101.42
		For Tempered Low-E Insulated Glass, Add	*318.09*	
08 52 13 00-0237	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,956.96	106.41
		For Tempered Low-E Insulated Glass, Add	*348.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0238	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,079.92	110.70
		For Tempered Low-E Insulated Glass, Add	*371.71*	
08 52 13 00-0239	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,251.81	117.12
		For Tempered Low-E Insulated Glass, Add	*403.51*	
08 52 13 00-0240		**64-13/16" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0241	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,608.09	93.55
		For Tempered Low-E Insulated Glass, Add	*284.19*	
08 52 13 00-0242	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,744.64	98.55
		For Tempered Low-E Insulated Glass, Add	*309.51*	
08 52 13 00-0243	EA	48" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,889.38	104.27
		For Tempered Low-E Insulated Glass, Add	*336.17*	
08 52 13 00-0244	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,054.48	109.98
		For Tempered Low-E Insulated Glass, Add	*366.90*	
08 52 13 00-0245		**71-7/8" Height, Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0196)*		
08 52 13 00-0246	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,746.89	98.55
		For Tempered Low-E Insulated Glass, Add	*309.96*	
08 52 13 00-0247	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,883.43	104.27
		For Tempered Low-E Insulated Glass, Add	*335.27*	
08 52 13 00-0248	EA	48" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,025.93	109.98
		For Tempered Low-E Insulated Glass, Add	*361.48*	
08 52 13 00-0249	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,191.01	114.98
		For Tempered Low-E Insulated Glass, Add	*392.21*	
08 52 13 00-0250		**One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0134)*		
08 52 13 00-0251		**24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0252	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,551.19	92.13
		For Tempered Low-E Insulated Glass, Add	*273.39*	
08 52 13 00-0253	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,805.00	101.42
		For Tempered Low-E Insulated Glass, Add	*320.44*	
08 52 13 00-0254		**28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0255	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,646.43	94.98
		For Tempered Low-E Insulated Glass, Add	*291.29*	
08 52 13 00-0256	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,883.47	104.27
		For Tempered Low-E Insulated Glass, Add	*334.99*	
08 52 13 00-0257		**35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0258	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,584.53	92.84
		For Tempered Low-E Insulated Glass, Add	*279.77*	
08 52 13 00-0259	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,788.16	99.99
		For Tempered Low-E Insulated Glass, Add	*317.64*	
08 52 13 00-0260	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,039.50	109.98
		For Tempered Low-E Insulated Glass, Add	*364.19*	
08 52 13 00-0261		**40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0262	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,675.21	97.12
		For Tempered Low-E Insulated Glass, Add	*296.48*	
08 52 13 00-0263	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,885.69	103.56
		For Tempered Low-E Insulated Glass, Add	*335.72*	
08 52 13 00-0264	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,134.74	112.84
		For Tempered Low-E Insulated Glass, Add	*381.81*	
08 52 13 00-0265		**48" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0266	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,025.93	109.27
		For Tempered Low-E Insulated Glass, Add	*361.48*	
08 52 13 00-0267	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,274.98	118.55
		For Tempered Low-E Insulated Glass, Add	*407.57*	
08 52 13 00-0268		**52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0269	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,119.78	112.12
		For Tempered Low-E Insulated Glass, Add	*379.11*	
08 52 13 00-0270	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,368.84	121.41
		For Tempered Low-E Insulated Glass, Add	*425.20*	
08 52 13 00-0271		**59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Metal Clad Windows** *(08 52 13 00-0250)*		
08 52 13 00-0272	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,256.31	117.12
		For Tempered Low-E Insulated Glass, Add	*404.41*	
08 52 13 00-0273	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,507.64	127.12
		For Tempered Low-E Insulated Glass, Add	*450.96*	
08 52 13 00-0274		**Awning Metal Clad Windows** *(08 52 13)*		
08 52 13 00-0275		**Awning Metal Clad Windows** *(08 52 13 00-0274)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0276		**Venting, Awning Metal Clad Windows** *(08 52 13 00-0275)*		
08 52 13 00-0277		**17" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0278	EA	24-1/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	589.15	58.57
		For Tempered Low-E Insulated Glass, Add	*94.41*	
08 52 13 00-0279	EA	28-3/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	631.00	61.42
		For Tempered Low-E Insulated Glass, Add	*101.63*	
08 52 13 00-0280	EA	31-1/2" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	665.34	63.56
		For Tempered Low-E Insulated Glass, Add	*107.64*	
08 52 13 00-0281	EA	35-15/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	708.79	66.42
		For Tempered Low-E Insulated Glass, Add	*115.19*	
08 52 13 00-0282	EA	40-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	758.87	69.99
		For Tempered Low-E Insulated Glass, Add	*123.78*	
08 52 13 00-0283	EA	48" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	835.82	75.70
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0284	EA	52-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	884.48	78.56
		For Tempered Low-E Insulated Glass, Add	*145.47*	
08 52 13 00-0285	EA	59-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	955.49	84.27
		For Tempered Low-E Insulated Glass, Add	*157.67*	
08 52 13 00-0286	EA	64-13/16" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	981.96	87.13
		For Tempered Low-E Insulated Glass, Add	*161.54*	
08 52 13 00-0287	EA	71-7/8" x 17", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,052.21	92.13
		For Tempered Low-E Insulated Glass, Add	*173.59*	
08 52 13 00-0288		**20-1/2" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0289	EA	24-1/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	621.66	61.42
		For Tempered Low-E Insulated Glass, Add	*100.05*	
08 52 13 00-0290	EA	28-3/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	666.94	64.28
		For Tempered Low-E Insulated Glass, Add	*107.96*	
08 52 13 00-0291	EA	31-1/2" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	696.45	65.70
		For Tempered Low-E Insulated Glass, Add	*113.01*	
08 52 13 00-0292	EA	35-15/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	744.71	68.56
		For Tempered Low-E Insulated Glass, Add	*121.52*	
08 52 13 00-0293	EA	40-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	794.80	72.84
		For Tempered Low-E Insulated Glass, Add	*130.11*	
08 52 13 00-0294	EA	48" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	869.48	77.85
		For Tempered Low-E Insulated Glass, Add	*142.76*	
08 52 13 00-0295	EA	52-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	918.14	81.42
		For Tempered Low-E Insulated Glass, Add	*151.35*	
08 52 13 00-0296	EA	59-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	991.40	85.70
		For Tempered Low-E Insulated Glass, Add	*164.00*	
08 52 13 00-0297	EA	64-13/16" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,015.26	89.98
		For Tempered Low-E Insulated Glass, Add	*167.34*	
08 52 13 00-0298	EA	71-7/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,087.73	94.27
		For Tempered Low-E Insulated Glass, Add	*179.84*	
08 52 13 00-0299	EA	84-5/8" x 20-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,680.16	104.27
		For Tempered Low-E Insulated Glass, Add	*294.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0300		**24-1/8" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0301	EA	24-1/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	662.41	64.28
		For Tempered Low-E Insulated Glass, Add	*107.06*	
08 52 13 00-0302	EA	28-3/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	704.29	67.13
		For Tempered Low-E Insulated Glass, Add	*114.29*	
08 52 13 00-0303	EA	31-1/2" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	875.59	68.56
		For Tempered Low-E Insulated Glass, Add	*147.69*	
08 52 13 00-0304	EA	35-15/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	935.74	71.41
		For Tempered Low-E Insulated Glass, Add	*158.58*	
08 52 13 00-0305	EA	40-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	832.14	75.70
		For Tempered Low-E Insulated Glass, Add	*136.43*	
08 52 13 00-0306	EA	48" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	909.10	80.70
		For Tempered Low-E Insulated Glass, Add	*149.54*	
08 52 13 00-0307	EA	52-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	957.74	84.27
		For Tempered Low-E Insulated Glass, Add	*158.12*	
08 52 13 00-0308	EA	59-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,031.02	88.56
		For Tempered Low-E Insulated Glass, Add	*170.78*	
08 52 13 00-0309	EA	64-13/16" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,052.21	92.84
		For Tempered Low-E Insulated Glass, Add	*173.59*	
08 52 13 00-0310	EA	71-7/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,122.36	97.12
		For Tempered Low-E Insulated Glass, Add	*185.62*	
08 52 13 00-0311	EA	84-5/8" x 24-1/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,768.29	107.13
		For Tempered Low-E Insulated Glass, Add	*311.09*	
08 52 13 00-0312		**28-3/8" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0313	EA	24-1/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	661.35	67.13
		For Tempered Low-E Insulated Glass, Add	*105.70*	
08 52 13 00-0314	EA	28-3/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	866.47	69.99
		For Tempered Low-E Insulated Glass, Add	*145.58*	
08 52 13 00-0315	EA	31-1/2" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	917.25	71.41
		For Tempered Low-E Insulated Glass, Add	*154.88*	
08 52 13 00-0316	EA	35-15/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	844.28	74.27
		For Tempered Low-E Insulated Glass, Add	*139.15*	
08 52 13 00-0317	EA	40-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	921.46	78.56
		For Tempered Low-E Insulated Glass, Add	*153.15*	
08 52 13 00-0318	EA	48" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,034.57	83.56
		For Tempered Low-E Insulated Glass, Add	*173.49*	
08 52 13 00-0319	EA	52-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,108.07	87.13
		For Tempered Low-E Insulated Glass, Add	*187.05*	
08 52 13 00-0320	EA	59-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,219.77	91.41
		For Tempered Low-E Insulated Glass, Add	*207.39*	
08 52 13 00-0321	EA	64-13/16" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,260.94	95.70
		For Tempered Low-E Insulated Glass, Add	*214.19*	
08 52 13 00-0322	EA	71-7/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,369.10	99.99
		For Tempered Low-E Insulated Glass, Add	*233.83*	
08 52 13 00-0323	EA	84-5/8" x 28-3/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,816.33	109.98
		For Tempered Low-E Insulated Glass, Add	*319.56*	
08 52 13 00-0324		**31-1/2" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0325	EA	28-3/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	767.28	71.41
		For Tempered Low-E Insulated Glass, Add	*124.89*	
08 52 13 00-0326	EA	31-1/2" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	811.81	73.56
		For Tempered Low-E Insulated Glass, Add	*132.94*	
08 52 13 00-0327	EA	35-15/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	873.10	76.41
		For Tempered Low-E Insulated Glass, Add	*144.05*	
08 52 13 00-0328	EA	40-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	941.56	79.99
		For Tempered Low-E Insulated Glass, Add	*156.32*	
08 52 13 00-0329	EA	48" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,041.16	85.70
		For Tempered Low-E Insulated Glass, Add	*173.95*	
08 52 13 00-0330	EA	52-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,110.10	88.56
		For Tempered Low-E Insulated Glass, Add	*186.60*	
08 52 13 00-0331	EA	59-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,208.25	94.27
		For Tempered Low-E Insulated Glass, Add	*204.23*	
08 52 13 00-0332	EA	64-13/16" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,276.74	97.12
		For Tempered Low-E Insulated Glass, Add	*216.50*	
08 52 13 00-0333	EA	71-7/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,376.79	102.13
		For Tempered Low-E Insulated Glass, Add	*234.51*	
08 52 13 00-0334	EA	84-5/8" x 31-1/2", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,937.15	111.41
		For Tempered Low-E Insulated Glass, Add	*342.87*	
08 52 13 00-0335		**35-15/16" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0336	EA	31-1/2" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	873.10	76.41
		For Tempered Low-E Insulated Glass, Add	*144.05*	
08 52 13 00-0337	EA	35-15/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	960.47	79.28
		For Tempered Low-E Insulated Glass, Add	*160.39*	
08 52 13 00-0338	EA	40-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,037.67	82.85
		For Tempered Low-E Insulated Glass, Add	*174.40*	
08 52 13 00-0339	EA	48" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,150.77	88.56
		For Tempered Low-E Insulated Glass, Add	*194.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0340	EA	52-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,226.52	91.41
		For Tempered Low-E Insulated Glass, Add	*208.74*	
08 52 13 00-0341	EA	59-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,335.96	97.12
		For Tempered Low-E Insulated Glass, Add	*228.63*	
08 52 13 00-0342	EA	64-13/16" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,166.08	99.99
		For Tempered Low-E Insulated Glass, Add	*193.22*	
08 52 13 00-0343	EA	71-7/8" x 35-15/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,251.93	104.99
		For Tempered Low-E Insulated Glass, Add	*208.39*	
08 52 13 00-0344		**40-3/4" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0345	EA	35-15/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,016.96	82.85
		For Tempered Low-E Insulated Glass, Add	*171.68*	
08 52 13 00-0346	EA	40-13/16" x 40-3/4", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,157.55	88.56
		For Tempered Low-E Insulated Glass, Add	*196.09*	
08 52 13 00-0347		**48" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0348	EA	35-15/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,218.56	88.56
		For Tempered Low-E Insulated Glass, Add	*208.29*	
08 52 13 00-0349	EA	40-13/16" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,349.98	92.84
		For Tempered Low-E Insulated Glass, Add	*233.15*	
08 52 13 00-0350	EA	48" x 48", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,542.19	97.84
		For Tempered Low-E Insulated Glass, Add	*269.30*	
08 52 13 00-0351		**59-13/16" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0352	EA	35-15/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,509.48	96.41
		For Tempered Low-E Insulated Glass, Add	*263.33*	
08 52 13 00-0353	EA	40-13/16" x 59-13/16", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,624.55	99.99
		For Tempered Low-E Insulated Glass, Add	*284.92*	
08 52 13 00-0354		**71-7/8" Height, Venting, Awning Metal Clad Windows** *(08 52 13 00-0276)*		
08 52 13 00-0355	EA	24-1/8" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,651.20	97.12
		For Tempered Low-E Insulated Glass, Add	*291.39*	
08 52 13 00-0356	EA	35-15/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,708.11	104.99
		For Tempered Low-E Insulated Glass, Add	*299.63*	
08 52 13 00-0357	EA	40-13/16" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,890.83	108.55
		For Tempered Low-E Insulated Glass, Add	*334.74*	
08 52 13 00-0358	EA	48" x 71-7/8", Venting, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,077.37	114.27
		For Tempered Low-E Insulated Glass, Add	*369.77*	
08 52 13 00-0359		**Stationary, Awning Metal Clad Windows** *(08 52 13 00-0275)*		
08 52 13 00-0360		**17" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0361	EA	24-1/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	519.07	58.57
		For Tempered Low-E Insulated Glass, Add	*80.39*	
08 52 13 00-0362	EA	28-3/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	558.70	61.42
		For Tempered Low-E Insulated Glass, Add	*87.17*	
08 52 13 00-0363	EA	31-1/2" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	584.82	63.56
		For Tempered Low-E Insulated Glass, Add	*91.54*	
08 52 13 00-0364	EA	35-15/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	627.46	66.42
		For Tempered Low-E Insulated Glass, Add	*98.92*	
08 52 13 00-0365	EA	40-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	673.01	69.99
		For Tempered Low-E Insulated Glass, Add	*106.61*	
08 52 13 00-0366	EA	48" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	743.18	75.70
		For Tempered Low-E Insulated Glass, Add	*118.35*	
08 52 13 00-0367	EA	52-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	785.05	78.56
		For Tempered Low-E Insulated Glass, Add	*125.59*	
08 52 13 00-0368	EA	59-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	851.53	84.27
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0369	EA	64-13/16" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	897.09	87.13
		For Tempered Low-E Insulated Glass, Add	*144.57*	
08 52 13 00-0370	EA	71-7/8" x 17", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	963.59	92.13
		For Tempered Low-E Insulated Glass, Add	*155.87*	
08 52 13 00-0371		**20-1/2" Height, Stationary, Awning Metal Clad Windows** *(08 52 13 00-0359)*		
08 52 13 00-0372	EA	24-1/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	550.49	61.42
		For Tempered Low-E Insulated Glass, Add	*85.82*	
08 52 13 00-0373	EA	28-3/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	590.08	64.28
		For Tempered Low-E Insulated Glass, Add	*92.59*	
08 52 13 00-0374	EA	31-1/2" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	614.05	65.70
		For Tempered Low-E Insulated Glass, Add	*96.53*	
08 52 13 00-0375	EA	35-15/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	661.10	68.56
		For Tempered Low-E Insulated Glass, Add	*104.80*	
08 52 13 00-0376	EA	40-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	706.66	72.84
		For Tempered Low-E Insulated Glass, Add	*112.48*	
08 52 13 00-0377	EA	48" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	774.59	77.85
		For Tempered Low-E Insulated Glass, Add	*123.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0378	EA	52-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	818.71	81.42
		For Tempered Low-E Insulated Glass, Add	*131.46*	
08 52 13 00-0379	EA	59-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	882.94	85.70
		For Tempered Low-E Insulated Glass, Add	*142.31*	
08 52 13 00-0380	EA	64-13/16" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	930.75	89.98
		For Tempered Low-E Insulated Glass, Add	*150.44*	
08 52 13 00-0381	EA	71-7/8" x 20-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	994.98	94.27
		For Tempered Low-E Insulated Glass, Add	*161.29*	

08 52 13 00-0382 24-1/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0383	EA	24-1/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	585.58	64.28
		For Tempered Low-E Insulated Glass, Add	*91.69*	
08 52 13 00-0384	EA	28-3/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	625.18	67.13
		For Tempered Low-E Insulated Glass, Add	*98.47*	
08 52 13 00-0385	EA	31-1/2" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	646.57	68.56
		For Tempered Low-E Insulated Glass, Add	*101.89*	
08 52 13 00-0386	EA	35-15/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	693.94	71.41
		For Tempered Low-E Insulated Glass, Add	*110.22*	
08 52 13 00-0387	EA	40-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	739.50	75.70
		For Tempered Low-E Insulated Glass, Add	*117.90*	
08 52 13 00-0388	EA	48" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	807.40	80.70
		For Tempered Low-E Insulated Glass, Add	*129.20*	
08 52 13 00-0389	EA	52-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	851.53	84.27
		For Tempered Low-E Insulated Glass, Add	*136.88*	
08 52 13 00-0390	EA	59-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	918.03	88.56
		For Tempered Low-E Insulated Glass, Add	*148.18*	
08 52 13 00-0391	EA	64-13/16" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	963.59	92.84
		For Tempered Low-E Insulated Glass, Add	*155.87*	
08 52 13 00-0392	EA	71-7/8" x 24-1/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,030.08	97.12
		For Tempered Low-E Insulated Glass, Add	*167.16*	

08 52 13 00-0393 28-3/8" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0394	EA	24-1/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	589.05	67.13
		For Tempered Low-E Insulated Glass, Add	*91.24*	
08 52 13 00-0395	EA	28-3/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	642.21	69.99
		For Tempered Low-E Insulated Glass, Add	*100.73*	
08 52 13 00-0396	EA	31-1/2" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	671.46	71.41
		For Tempered Low-E Insulated Glass, Add	*105.72*	
08 52 13 00-0397	EA	35-15/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	699.65	74.27
		For Tempered Low-E Insulated Glass, Add	*110.22*	
08 52 13 00-0398	EA	40-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	799.44	78.56
		For Tempered Low-E Insulated Glass, Add	*128.75*	
08 52 13 00-0399	EA	48" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	889.95	83.56
		For Tempered Low-E Insulated Glass, Add	*144.57*	
08 52 13 00-0400	EA	52-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	949.91	87.13
		For Tempered Low-E Insulated Glass, Add	*155.42*	
08 52 13 00-0401	EA	59-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,038.98	91.41
		For Tempered Low-E Insulated Glass, Add	*171.23*	
08 52 13 00-0402	EA	64-13/16" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,102.62	95.70
		For Tempered Low-E Insulated Glass, Add	*182.53*	
08 52 13 00-0403	EA	71-7/8" x 28-3/8", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,191.72	99.99
		For Tempered Low-E Insulated Glass, Add	*198.35*	

08 52 13 00-0404 31-1/2" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0405	EA	28-3/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	671.46	71.41
		For Tempered Low-E Insulated Glass, Add	*105.72*	
08 52 13 00-0406	EA	31-1/2" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	708.33	73.56
		For Tempered Low-E Insulated Glass, Add	*112.24*	
08 52 13 00-0407	EA	35-15/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	758.11	76.41
		For Tempered Low-E Insulated Glass, Add	*121.06*	
08 52 13 00-0408	EA	40-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	815.09	79.99
		For Tempered Low-E Insulated Glass, Add	*131.02*	
08 52 13 00-0409	EA	48" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	897.41	85.70
		For Tempered Low-E Insulated Glass, Add	*145.20*	
08 52 13 00-0410	EA	52-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	952.96	88.56
		For Tempered Low-E Insulated Glass, Add	*155.17*	
08 52 13 00-0411	EA	59-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,033.86	94.27
		For Tempered Low-E Insulated Glass, Add	*169.35*	
08 52 13 00-0412	EA	64-13/16" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,088.92	97.12
		For Tempered Low-E Insulated Glass, Add	*178.93*	
08 52 13 00-0413	EA	71-7/8" x 31-1/2", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,169.83	102.13
		For Tempered Low-E Insulated Glass, Add	*193.12*	

08 52 13 00-0414 35-15/16" Height, Stationary, Awning Metal Clad Windows *(08 52 13 00-0359)*

08 52 13 00-0415	EA	31-1/2" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	758.11	76.41
		For Tempered Low-E Insulated Glass, Add	*121.06*	
08 52 13 00-0416	EA	35-15/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	831.67	79.28
		For Tempered Low-E Insulated Glass, Add	*134.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0417	EA	40-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	893.05	82.85
		For Tempered Low-E Insulated Glass, Add	*145.47*	
08 52 13 00-0418	EA	48" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	985.83	88.56
		For Tempered Low-E Insulated Glass, Add	*161.74*	
08 52 13 00-0419	EA	52-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,045.77	91.41
		For Tempered Low-E Insulated Glass, Add	*172.59*	
08 52 13 00-0420	EA	59-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,134.86	97.12
		For Tempered Low-E Insulated Glass, Add	*188.41*	
08 52 13 00-0421	EA	64-13/16" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,196.22	99.99
		For Tempered Low-E Insulated Glass, Add	*199.25*	
08 52 13 00-0422	EA	71-7/8" x 35-15/16", Stationary, Awning Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,285.33	104.99
		For Tempered Low-E Insulated Glass, Add	*215.07*	

08 52 13 00-0423 Horizontal Sliding Metal Clad Windows *(08 52 13)*

08 52 13 00-0424 One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0423)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 13 00-0425 17-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0426	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	730.07	75.70
		For Tempered Low-E Insulated Glass, Add	*116.02*	

08 52 13 00-0427 23-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0428	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	671.29	69.99
		For Tempered Low-E Insulated Glass, Add	*105.98*	
08 52 13 00-0429	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	786.02	79.99
		For Tempered Low-E Insulated Glass, Add	*125.50*	

08 52 13 00-0430 35-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0431	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	786.02	79.99
		For Tempered Low-E Insulated Glass, Add	*125.50*	
08 52 13 00-0432	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	900.80	88.56
		For Tempered Low-E Insulated Glass, Add	*145.02*	
08 52 13 00-0433	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,015.53	96.41
		For Tempered Low-E Insulated Glass, Add	*164.54*	
08 52 13 00-0434	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.30	104.99
		For Tempered Low-E Insulated Glass, Add	*184.07*	

08 52 13 00-0435 41-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0436	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	844.81	84.27
		For Tempered Low-E Insulated Glass, Add	*135.54*	
08 52 13 00-0437	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	956.75	92.84
		For Tempered Low-E Insulated Glass, Add	*154.50*	
08 52 13 00-0438	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,071.51	100.70
		For Tempered Low-E Insulated Glass, Add	*174.02*	
08 52 13 00-0439	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,283.88	109.27
		For Tempered Low-E Insulated Glass, Add	*213.07*	

08 52 13 00-0440 47-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0441	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	900.80	88.56
		For Tempered Low-E Insulated Glass, Add	*145.02*	
08 52 13 00-0442	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,015.53	97.12
		For Tempered Low-E Insulated Glass, Add	*164.54*	
08 52 13 00-0443	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.30	104.99
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0444	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,245.02	113.55
		For Tempered Low-E Insulated Glass, Add	*203.58*	

08 52 13 00-0445 53-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*

08 52 13 00-0446	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,071.51	101.42
		For Tempered Low-E Insulated Glass, Add	*174.02*	
08 52 13 00-0447	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,186.26	109.27
		For Tempered Low-E Insulated Glass, Add	*193.54*	
08 52 13 00-0448	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,301.02	117.83
		For Tempered Low-E Insulated Glass, Add	*213.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0449		59-1/2" Height, One Operating Sash, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0424)*		
08 52 13 00-0450	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,130.30	105.70
		For Tempered Low-E Insulated Glass, Add	*184.07*	
08 52 13 00-0451	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,245.02	113.55
		For Tempered Low-E Insulated Glass, Add	*203.58*	
08 52 13 00-0452	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,359.99	122.13
		For Tempered Low-E Insulated Glass, Add	*223.15*	
08 52 13 00-0453		Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0423)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0454		22-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0455	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,649.87	69.99
		For Tempered Low-E Insulated Glass, Add	*301.69*	
08 52 13 00-0456	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,965.43	79.99
		For Tempered Low-E Insulated Glass, Add	*361.38*	
08 52 13 00-0457		35-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0458	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	1,990.53	79.99
		For Tempered Low-E Insulated Glass, Add	*366.40*	
08 52 13 00-0459	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,308.88	88.56
		For Tempered Low-E Insulated Glass, Add	*426.64*	
08 52 13 00-0460	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,624.41	96.41
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0461	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,939.97	104.99
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0462		41-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0463	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,149.70	84.27
		For Tempered Low-E Insulated Glass, Add	*396.52*	
08 52 13 00-0464	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,465.24	92.84
		For Tempered Low-E Insulated Glass, Add	*456.20*	
08 52 13 00-0465	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,783.59	100.70
		For Tempered Low-E Insulated Glass, Add	*516.44*	
08 52 13 00-0466	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,099.13	109.27
		For Tempered Low-E Insulated Glass, Add	*576.12*	
08 52 13 00-0467		47-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0468	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,308.88	88.56
		For Tempered Low-E Insulated Glass, Add	*426.64*	
08 52 13 00-0469	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,624.41	97.12
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0470	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,939.97	104.99
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0471	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,258.27	113.55
		For Tempered Low-E Insulated Glass, Add	*606.23*	
08 52 13 00-0472		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Metal Clad Windows *(08 52 13 00-0453)*		
08 52 13 00-0473	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,624.41	97.12
		For Tempered Low-E Insulated Glass, Add	*486.32*	
08 52 13 00-0474	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	2,939.97	105.70
		For Tempered Low-E Insulated Glass, Add	*546.00*	
08 52 13 00-0475	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,258.27	113.55
		For Tempered Low-E Insulated Glass, Add	*606.23*	
08 52 13 00-0476	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	3,573.83	122.13
		For Tempered Low-E Insulated Glass, Add	*665.92*	
08 52 13 00-0477		Picture Metal Clad Windows *(08 52 13)*		
08 52 13 00-0478		Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0477)*		
08 52 13 00-0479		Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0478)*		
		Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0480		12" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0481	EA	40-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	574.45	57.14
		For Tempered Low-E Insulated Glass, Add	*92.04*	
08 52 13 00-0482	EA	48" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	673.06	62.85
		For Tempered Low-E Insulated Glass, Add	*109.47*	
08 52 13 00-0483	EA	52-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	715.27	65.70
		For Tempered Low-E Insulated Glass, Add	*116.77*	
08 52 13 00-0484	EA	59-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	775.95	71.41
		For Tempered Low-E Insulated Glass, Add	*126.91*	
08 52 13 00-0485	EA	64-13/16" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	817.54	74.27
		For Tempered Low-E Insulated Glass, Add	*133.80*	
08 52 13 00-0486	EA	71-7/8" x 12", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	878.22	79.99
		For Tempered Low-E Insulated Glass, Add	*143.94*	

08 52 13 00-0487 35-15/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0488	EA	35-15/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	636.45	69.99
		For Tempered Low-E Insulated Glass, Add	*99.30*	
08 52 13 00-0489	EA	40-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	737.40	74.27
		For Tempered Low-E Insulated Glass, Add	*118.06*	
08 52 13 00-0490	EA	48" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	886.10	79.28
		For Tempered Low-E Insulated Glass, Add	*145.51*	
08 52 13 00-0491	EA	52-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	983.32	82.13
		For Tempered Low-E Insulated Glass, Add	*163.81*	
08 52 13 00-0492	EA	59-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,128.33	87.13
		For Tempered Low-E Insulated Glass, Add	*190.81*	
08 52 13 00-0493	EA	64-13/16" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.27	90.70
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0494	EA	71-7/8" x 35-15/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,831.85	95.70
		For Tempered Low-E Insulated Glass, Add	*328.09*	

08 52 13 00-0495 40-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0496	EA	35-15/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	737.40	74.27
		For Tempered Low-E Insulated Glass, Add	*118.06*	
08 52 13 00-0497	EA	40-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	838.34	77.14
		For Tempered Low-E Insulated Glass, Add	*136.82*	
08 52 13 00-0498	EA	48" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	987.04	82.85
		For Tempered Low-E Insulated Glass, Add	*164.27*	
08 52 13 00-0499	EA	52-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,084.27	85.70
		For Tempered Low-E Insulated Glass, Add	*182.57*	
08 52 13 00-0500	EA	59-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.27	91.41
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0501	EA	64-13/16" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,330.20	94.27
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0502	EA	71-7/8" x 40-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.20	99.99
		For Tempered Low-E Insulated Glass, Add	*255.33*	

08 52 13 00-0503 48" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*

08 52 13 00-0504	EA	35-15/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	886.10	79.99
		For Tempered Low-E Insulated Glass, Add	*145.51*	
08 52 13 00-0505	EA	40-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	987.04	82.85
		For Tempered Low-E Insulated Glass, Add	*164.27*	
08 52 13 00-0506	EA	48" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,135.74	88.56
		For Tempered Low-E Insulated Glass, Add	*191.73*	
08 52 13 00-0507	EA	52-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,232.97	91.41
		For Tempered Low-E Insulated Glass, Add	*210.03*	
08 52 13 00-0508	EA	59-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,377.97	97.12
		For Tempered Low-E Insulated Glass, Add	*237.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0509	EA	64-13/16" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,478.91	99.99
		For Tempered Low-E Insulated Glass, Add	*255.79*	
08 52 13 00-0510	EA	71-7/8" x 48", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,623.91	105.70
		For Tempered Low-E Insulated Glass, Add	*282.79*	
08 52 13 00-0511		52-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*		
08 52 13 00-0512	EA	35-15/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	983.32	82.85
		For Tempered Low-E Insulated Glass, Add	*163.81*	
08 52 13 00-0513	EA	40-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,084.27	85.70
		For Tempered Low-E Insulated Glass, Add	*182.57*	
08 52 13 00-0514	EA	48" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,232.97	91.41
		For Tempered Low-E Insulated Glass, Add	*210.03*	
08 52 13 00-0515	EA	52-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,330.20	94.27
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0516	EA	59-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.20	99.99
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0517	EA	64-13/16" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,576.14	102.84
		For Tempered Low-E Insulated Glass, Add	*274.09*	
08 52 13 00-0518	EA	71-7/8" x 52-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,856.13	108.55
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0519		59-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*		
08 52 13 00-0520	EA	35-15/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,128.33	87.13
		For Tempered Low-E Insulated Glass, Add	*190.81*	
08 52 13 00-0521	EA	40-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.27	91.41
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0522	EA	48" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,377.97	96.41
		For Tempered Low-E Insulated Glass, Add	*237.03*	
08 52 13 00-0523	EA	52-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.20	99.27
		For Tempered Low-E Insulated Glass, Add	*255.33*	
08 52 13 00-0524	EA	59-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,620.20	104.27
		For Tempered Low-E Insulated Glass, Add	*282.33*	
08 52 13 00-0525	EA	64-13/16" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,721.14	107.84
		For Tempered Low-E Insulated Glass, Add	*301.09*	
08 52 13 00-0526	EA	71-7/8" x 59-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,866.12	112.84
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0527		64-13/16" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*		
08 52 13 00-0528	EA	35-15/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,229.27	91.41
		For Tempered Low-E Insulated Glass, Add	*209.57*	
08 52 13 00-0529	EA	40-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,330.20	94.27
		For Tempered Low-E Insulated Glass, Add	*228.33*	
08 52 13 00-0530	EA	48" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,478.91	99.99
		For Tempered Low-E Insulated Glass, Add	*255.79*	
08 52 13 00-0531	EA	52-13/16" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,576.14	102.84
		For Tempered Low-E Insulated Glass, Add	*274.09*	
08 52 13 00-0532	EA	59-7/8" x 64-13/16", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,856.13	108.55
		For Tempered Low-E Insulated Glass, Add	*328.09*	
08 52 13 00-0533		71-7/8" Height, Picture Metal Clad Windows For Awning And Casement Windows *(08 52 13 00-0479)*		
08 52 13 00-0534	EA	35-15/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,374.26	95.70
		For Tempered Low-E Insulated Glass, Add	*236.57*	
08 52 13 00-0535	EA	40-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,475.20	99.99
		For Tempered Low-E Insulated Glass, Add	*255.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0536	EA	48" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,623.91	104.99
		For Tempered Low-E Insulated Glass, Add	*282.79*	
08 52 13 00-0537	EA	52-13/16" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,721.14	107.84
		For Tempered Low-E Insulated Glass, Add	*301.09*	
08 52 13 00-0538	EA	59-7/8" x 71-7/8", Picture Metal Clad Wood Window For Awning And Casement Windows (Jeld-Wen 'Builders-Clad')	1,866.12	112.84
		For Tempered Low-E Insulated Glass, Add	*328.09*	

08 52 13 00-0539 Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0477)*

08 52 13 00-0540 Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0539)*

Note: Includes painted or stained wood interior, metal clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 13 00-0541 48-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0542	EA	12" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	917.65	67.13
		For Tempered Low-E Insulated Glass, Add	*156.68*	
08 52 13 00-0543	EA	37-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,283.72	85.70
		For Tempered Low-E Insulated Glass, Add	*222.75*	
08 52 13 00-0544	EA	41-5/8" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,339.50	87.84
		For Tempered Low-E Insulated Glass, Add	*232.76*	
08 52 13 00-0545	EA	47-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,423.15	92.13
		For Tempered Low-E Insulated Glass, Add	*247.78*	
08 52 13 00-0546	EA	51-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,478.93	95.70
		For Tempered Low-E Insulated Glass, Add	*257.79*	
08 52 13 00-0547	EA	59-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,592.96	100.70
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0548	EA	67-5/16" x 48-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.00	107.13
		For Tempered Low-E Insulated Glass, Add	*298.83*	

08 52 13 00-0549 52-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0550	EA	12" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	975.90	69.99
		For Tempered Low-E Insulated Glass, Add	*167.19*	
08 52 13 00-0551	EA	37-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,339.50	88.56
		For Tempered Low-E Insulated Glass, Add	*232.76*	
08 52 13 00-0552	EA	41-5/8" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,397.75	90.70
		For Tempered Low-E Insulated Glass, Add	*243.27*	
08 52 13 00-0553	EA	47-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,478.93	94.98
		For Tempered Low-E Insulated Glass, Add	*257.79*	
08 52 13 00-0554	EA	51-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,537.18	98.55
		For Tempered Low-E Insulated Glass, Add	*268.30*	
08 52 13 00-0555	EA	59-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,651.21	103.56
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0556	EA	67-5/16" x 52-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.28	109.98
		For Tempered Low-E Insulated Glass, Add	*309.35*	

08 52 13 00-0557 56-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0558	EA	12" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,031.68	72.84
		For Tempered Low-E Insulated Glass, Add	*177.20*	
08 52 13 00-0559	EA	37-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,397.75	91.41
		For Tempered Low-E Insulated Glass, Add	*243.27*	
08 52 13 00-0560	EA	41-5/8" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,453.54	93.55
		For Tempered Low-E Insulated Glass, Add	*253.28*	
08 52 13 00-0561	EA	47-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,537.18	97.84
		For Tempered Low-E Insulated Glass, Add	*268.30*	
08 52 13 00-0562	EA	51-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,592.96	101.42
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0563	EA	59-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.00	106.41
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0564	EA	67-5/16" x 56-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,823.53	112.84
		For Tempered Low-E Insulated Glass, Add	*319.86*	

08 52 13 00-0565 60-7/8" Height, Picture Metal Clad Windows For Double Hung Windows *(08 52 13 00-0540)*

08 52 13 00-0566	EA	12" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,089.97	75.70
		For Tempered Low-E Insulated Glass, Add	*187.71*	
08 52 13 00-0567	EA	37-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,453.54	94.27
		For Tempered Low-E Insulated Glass, Add	*253.28*	
08 52 13 00-0568	EA	41-5/8" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,511.82	96.41
		For Tempered Low-E Insulated Glass, Add	*263.80*	
08 52 13 00-0569	EA	47-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,592.96	100.70
		For Tempered Low-E Insulated Glass, Add	*278.31*	
08 52 13 00-0570	EA	51-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,651.21	104.27
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0571	EA	59-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.28	109.27
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0572	EA	67-5/16" x 60-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,879.31	115.69
		For Tempered Low-E Insulated Glass, Add	*329.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0573		**64-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0574	EA	12" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,145.72	78.56
		For Tempered Low-E Insulated Glass, Add	*197.72*	
08 52 13 00-0575	EA	37-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,511.82	97.12
		For Tempered Low-E Insulated Glass, Add	*263.80*	
08 52 13 00-0576	EA	41-5/8" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,570.07	99.27
		For Tempered Low-E Insulated Glass, Add	*274.31*	
08 52 13 00-0577	EA	47-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,651.21	103.56
		For Tempered Low-E Insulated Glass, Add	*288.82*	
08 52 13 00-0578	EA	51-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.00	107.13
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0579	EA	59-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,823.53	112.12
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0580	EA	67-5/16" x 64-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,937.60	118.55
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 13 00-0581		**68-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0582	EA	12" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,204.00	81.42
		For Tempered Low-E Insulated Glass, Add	*208.23*	
08 52 13 00-0583	EA	37-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,570.07	99.99
		For Tempered Low-E Insulated Glass, Add	*274.31*	
08 52 13 00-0584	EA	41-5/8" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,625.84	102.13
		For Tempered Low-E Insulated Glass, Add	*284.32*	
08 52 13 00-0585	EA	47-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,707.00	106.41
		For Tempered Low-E Insulated Glass, Add	*298.83*	
08 52 13 00-0586	EA	51-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.28	109.98
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0587	EA	59-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,879.31	114.98
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0588	EA	67-5/16" x 68-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,993.37	121.41
		For Tempered Low-E Insulated Glass, Add	*350.40*	
08 52 13 00-0589		**72-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0590	EA	12" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,259.78	84.27
		For Tempered Low-E Insulated Glass, Add	*218.25*	
08 52 13 00-0591	EA	37-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,625.84	102.84
		For Tempered Low-E Insulated Glass, Add	*284.32*	
08 52 13 00-0592	EA	41-5/8" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,684.13	104.99
		For Tempered Low-E Insulated Glass, Add	*294.83*	
08 52 13 00-0593	EA	47-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,765.28	109.27
		For Tempered Low-E Insulated Glass, Add	*309.35*	
08 52 13 00-0594	EA	51-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,823.53	112.84
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0595	EA	59-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,937.60	117.83
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 13 00-0596	EA	67-5/16" x 72-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	2,051.62	124.27
		For Tempered Low-E Insulated Glass, Add	*360.90*	
08 52 13 00-0597		**76-7/8" Height, Picture Metal Clad Windows For Double Hung Windows** *(08 52 13 00-0540)*		
08 52 13 00-0598	EA	12" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,318.04	87.13
		For Tempered Low-E Insulated Glass, Add	*228.76*	
08 52 13 00-0599	EA	37-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,684.13	105.70
		For Tempered Low-E Insulated Glass, Add	*294.83*	
08 52 13 00-0600	EA	41-5/8" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,739.88	107.84
		For Tempered Low-E Insulated Glass, Add	*304.84*	
08 52 13 00-0601	EA	47-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,823.53	112.12
		For Tempered Low-E Insulated Glass, Add	*319.86*	
08 52 13 00-0602	EA	51-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,879.31	115.69
		For Tempered Low-E Insulated Glass, Add	*329.87*	
08 52 13 00-0603	EA	59-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	1,993.37	120.69
		For Tempered Low-E Insulated Glass, Add	*350.40*	
08 52 13 00-0604	EA	67-5/16" x 76-7/8", Picture Metal Clad Wood Window For Double Hung Windows (Jeld-Wen 'Builders-Clad')	2,107.41	127.12
		For Tempered Low-E Insulated Glass, Add	*370.92*	
08 52 13 00-0605		**Picture Metal Clad Windows For Horizontal Sliding Windows** *(08 52 13 00-0477)*		
08 52 13 00-0606		**Picture Metal Clad Windows For Horizontal Sliding Windows** *(08 52 13 00-0605)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 13 00-0607		**35-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows** *(08 52 13 00-0606)*		
08 52 13 00-0608	EA	56-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	816.74	89.27
		For Tempered Low-E Insulated Glass, Add	*127.64*	
		For Tempered Clear Insulated Glass, Add	*127.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0609	EA	59-1/2" x 35-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	838.56	91.41
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0610		47-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0611	EA	47-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	838.56	91.41
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0612	EA	71-1/2" x 47-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,018.00	108.55
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0613		53-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0614	EA	56-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	952.60	102.13
		For Tempered Low-E Insulated Glass, Add	*149.67*	
		For Tempered Clear Insulated Glass, Add	*149.67*	
08 52 13 00-0615	EA	59-1/2" x 53-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	974.40	104.27
		For Tempered Low-E Insulated Glass, Add	*153.17*	
		For Tempered Clear Insulated Glass, Add	*153.17*	
08 52 13 00-0616		56-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0617	EA	35-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	816.74	89.98
		For Tempered Low-E Insulated Glass, Add	*127.64*	
		For Tempered Clear Insulated Glass, Add	*127.64*	
08 52 13 00-0618	EA	53-1/2" x 56-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	952.60	102.13
		For Tempered Low-E Insulated Glass, Add	*149.67*	
		For Tempered Clear Insulated Glass, Add	*149.67*	
08 52 13 00-0619		59-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0620	EA	35-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	838.56	91.41
		For Tempered Low-E Insulated Glass, Add	*131.15*	
		For Tempered Clear Insulated Glass, Add	*131.15*	
08 52 13 00-0621	EA	53-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	974.40	104.27
		For Tempered Low-E Insulated Glass, Add	*153.17*	
		For Tempered Clear Insulated Glass, Add	*153.17*	
08 52 13 00-0622	EA	59-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,018.00	108.55
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0623	EA	65-1/2" x 59-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,064.10	112.84
		For Tempered Low-E Insulated Glass, Add	*167.69*	
		For Tempered Clear Insulated Glass, Add	*167.69*	
08 52 13 00-0624		65-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0625	EA	59-1/2" x 65-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,064.10	112.84
		For Tempered Low-E Insulated Glass, Add	*167.69*	
		For Tempered Clear Insulated Glass, Add	*167.69*	
08 52 13 00-0626		71-1/2" Height, Picture Metal Clad Windows For Horizontal Sliding Windows *(08 52 13 00-0606)*		
08 52 13 00-0627	EA	47-1/2" x 71-1/2", Picture Metal Clad Wood Window For Horizontal Sliding Windows (Jeld-Wen 'Builders-Clad')	1,018.00	108.55
		For Tempered Low-E Insulated Glass, Add	*160.18*	
		For Tempered Clear Insulated Glass, Add	*160.18*	
08 52 13 00-0628		Basement Metal Clad Windows *(08 52 13)*		
08 52 13 00-0629		Basement Metal Clad Windows *(08 52 13 00-0628)* Note: Includes painted or stained wood interior, metal clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 13 00-0630	EA	32-1/4" x 15-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	430.33	57.14
		For Tempered Low-E Insulated Glass, Add	*63.21*	
08 52 13 00-0631	EA	32-1/4" x 19-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	454.08	57.14
		For Tempered Low-E Insulated Glass, Add	*67.96*	
08 52 13 00-0632	EA	32-1/4" x 23-3/4", Basement Metal Clad Wood Window (Jeld-Wen 'Builders-Clad')	474.97	57.14
		For Tempered Low-E Insulated Glass, Add	*72.14*	
08 52 13 00-0633		Accessories For Metal Clad Windows *(08 52 13)*		
08 52 13 00-0634		Insect Screens For Metal Clad Windows *(08 52 13 00-0633)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 13 00-0635	EA	Up To 6 SF, Insect Screen For Metal Clad Wood Windows	70.88	9.59
08 52 13 00-0636	EA	>6 To 9 SF, Insect Screen For Metal Clad Wood Windows	85.65	9.59
08 52 13 00-0637	EA	>9 To 12 SF, Insect Screen For Metal Clad Wood Windows	93.05	9.59
08 52 13 00-0638	EA	>12 To 15 SF, Insect Screen For Metal Clad Wood Windows	107.83	9.59
08 52 13 00-0639	EA	>15 To 20 SF, Insect Screen For Metal Clad Wood Windows	137.38	9.59
08 52 13 00-0640	EA	>20 To 25 SF, Insect Screen For Metal Clad Wood Windows	152.15	9.59
08 52 13 00-0641	EA	>25 To 30 SF, Insect Screen For Metal Clad Wood Windows	166.90	9.59
08 52 13 00-0642	EA	>30 To 35 SF, Insect Screen For Metal Clad Wood Windows	181.67	9.59
08 52 13 00-0643	SF	>35 SF, Insect Screen For Metal Clad Wood Windows	5.55	0.19

08 52 13 00-0644 Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0633)*

08 52 13 00-0645 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*

08 52 13 00-0646	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	58.82
08 52 13 00-0647	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	126.08
08 52 13 00-0648	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	171.10
08 52 13 00-0649	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	216.13
08 52 13 00-0650	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	306.18

08 52 13 00-0651 Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*

08 52 13 00-0652	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	58.82
08 52 13 00-0653	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	126.08
08 52 13 00-0654	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	171.10
08 52 13 00-0655	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	216.13
08 52 13 00-0656	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Metal Clad Wood Windows	306.18

08 52 13 00-0657 Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*

08 52 13 00-0658	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	102.66
08 52 13 00-0659	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	151.29
08 52 13 00-0660	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	205.32
08 52 13 00-0661	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	259.36
08 52 13 00-0662	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Metal Clad Wood Windows	367.42

08 52 13 00-0663 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Windows *(08 52 13 00-0644)*

08 52 13 00-0664	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	123.21
08 52 13 00-0665	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	181.54
08 52 13 00-0666	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	246.38
08 52 13 00-0667	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	311.22
08 52 13 00-0668	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Metal Clad Wood Windows	440.90

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001 Single Hung Wood Clad Windows *(08 52 16)*

Note: Single Hung windows feature a movable bottom sash and stationary top sash.

08 52 16 00-0002 Single Hung Wood Clad Windows *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 35-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Single Hung Wood Clad Window	423.47	65.70
		For Tempered Low-E Insulated Glass, Add	*58.41*	
		For Low-E Insulated Glass, Add	*35.05*	
		For Tempered Clear Insulated Glass, Add	*58.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Single Hung Wood Clad Window	448.12	68.56
		For Tempered Low-E Insulated Glass, Add	*62.20*	
		For Low-E Insulated Glass, Add	*37.32*	
		For Tempered Clear Insulated Glass, Add	*62.20*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Single Hung Wood Clad Window	471.21	71.41
		For Tempered Low-E Insulated Glass, Add	*65.67*	
		For Low-E Insulated Glass, Add	*39.40*	
		For Tempered Clear Insulated Glass, Add	*65.67*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Single Hung Wood Clad Window	494.29	74.27
		For Tempered Low-E Insulated Glass, Add	*69.15*	
		For Low-E Insulated Glass, Add	*41.49*	
		For Tempered Clear Insulated Glass, Add	*69.15*	

08 52 16 00-0008 41-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Single Hung Wood Clad Window	458.87	69.99
		For Tempered Low-E Insulated Glass, Add	*63.78*	
		For Low-E Insulated Glass, Add	*38.27*	
		For Tempered Clear Insulated Glass, Add	*63.78*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Single Hung Wood Clad Window	483.53	72.84
		For Tempered Low-E Insulated Glass, Add	*67.57*	
		For Low-E Insulated Glass, Add	*40.54*	
		For Tempered Clear Insulated Glass, Add	*67.57*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Single Hung Wood Clad Window	506.62	75.70
		For Tempered Low-E Insulated Glass, Add	*71.04*	
		For Low-E Insulated Glass, Add	*42.63*	
		For Tempered Clear Insulated Glass, Add	*71.04*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Single Hung Wood Clad Window	529.69	78.56
		For Tempered Low-E Insulated Glass, Add	*74.51*	
		For Low-E Insulated Glass, Add	*44.71*	
		For Tempered Clear Insulated Glass, Add	*74.51*	

08 52 16 00-0013 47-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0014	EA	23-1/2" x 47-1/2" Single Hung Wood Clad Window	494.29	74.27
		For Tempered Low-E Insulated Glass, Add	*69.15*	
		For Low-E Insulated Glass, Add	*41.49*	
		For Tempered Clear Insulated Glass, Add	*69.15*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Single Hung Wood Clad Window	517.36	77.14
		For Tempered Low-E Insulated Glass, Add	*72.62*	
		For Low-E Insulated Glass, Add	*43.57*	
		For Tempered Clear Insulated Glass, Add	*72.62*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Single Hung Wood Clad Window	542.02	79.99
		For Tempered Low-E Insulated Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*45.85*	
		For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Single Hung Wood Clad Window	565.10	82.85
		For Tempered Low-E Insulated Glass, Add	*79.88*	
		For Low-E Insulated Glass, Add	*47.93*	
		For Tempered Clear Insulated Glass, Add	*79.88*	

08 52 16 00-0018 53-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0019	EA	23-1/2" x 53-1/2" Single Hung Wood Clad Window	529.69	78.56
		For Tempered Low-E Insulated Glass, Add	*74.51*	
		For Low-E Insulated Glass, Add	*44.71*	
		For Tempered Clear Insulated Glass, Add	*74.51*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Single Hung Wood Clad Window	552.77	81.42
		For Tempered Low-E Insulated Glass, Add	*77.99*	
		For Low-E Insulated Glass, Add	*46.79*	
		For Tempered Clear Insulated Glass, Add	*77.99*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Single Hung Wood Clad Window	575.86	84.27
		For Tempered Low-E Insulated Glass, Add	*81.46*	
		For Low-E Insulated Glass, Add	*48.88*	
		For Tempered Clear Insulated Glass, Add	*81.46*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Single Hung Wood Clad Window	600.51	87.13
		For Tempered Low-E Insulated Glass, Add	*85.25*	
		For Low-E Insulated Glass, Add	*51.15*	
		For Tempered Clear Insulated Glass, Add	*85.25*	

08 52 16 00-0023 56-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Single Hung Wood Clad Window	523.53	78.56
		For Tempered Low-E Insulated Glass, Add	*73.57*	
		For Low-E Insulated Glass, Add	*44.14*	
		For Tempered Clear Insulated Glass, Add	*73.57*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Single Hung Wood Clad Window	546.60	80.70
		For Tempered Low-E Insulated Glass, Add	*77.04*	
		For Low-E Insulated Glass, Add	*46.22*	
		For Tempered Clear Insulated Glass, Add	*77.04*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Single Hung Wood Clad Window	571.27	84.27
		For Tempered Low-E Insulated Glass, Add	*80.83*	
		For Low-E Insulated Glass, Add	*48.50*	
		For Tempered Clear Insulated Glass, Add	*80.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Single Hung Wood Clad Window	594.34	87.13
		For Tempered Low-E Insulated Glass, Add	*84.30*	
		For Low-E Insulated Glass, Add	*50.58*	
		For Tempered Clear Insulated Glass, Add	*84.30*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Single Hung Wood Clad Window	617.42	89.98
		For Tempered Low-E Insulated Glass, Add	*87.78*	
		For Low-E Insulated Glass, Add	*52.67*	
		For Tempered Clear Insulated Glass, Add	*87.78*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Single Hung Wood Clad Window	640.50	92.84
		For Tempered Low-E Insulated Glass, Add	*91.25*	
		For Low-E Insulated Glass, Add	*54.75*	
		For Tempered Clear Insulated Glass, Add	*91.25*	

08 52 16 00-0030 59-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0031	EA	19-1/2" x 59-1/2" Single Hung Wood Clad Window	542.02	79.99
		For Tempered Low-E Insulated Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*45.85*	
		For Tempered Clear Insulated Glass, Add	*76.41*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Single Hung Wood Clad Window	565.10	82.85
		For Tempered Low-E Insulated Glass, Add	*79.88*	
		For Low-E Insulated Glass, Add	*47.93*	
		For Tempered Clear Insulated Glass, Add	*79.88*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Single Hung Wood Clad Window	588.18	85.70
		For Tempered Low-E Insulated Glass, Add	*83.36*	
		For Low-E Insulated Glass, Add	*50.01*	
		For Tempered Clear Insulated Glass, Add	*83.36*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Single Hung Wood Clad Window	611.25	88.56
		For Tempered Low-E Insulated Glass, Add	*86.83*	
		For Low-E Insulated Glass, Add	*52.10*	
		For Tempered Clear Insulated Glass, Add	*86.83*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Single Hung Wood Clad Window	634.33	91.41
		For Tempered Low-E Insulated Glass, Add	*90.30*	
		For Low-E Insulated Glass, Add	*54.18*	
		For Tempered Clear Insulated Glass, Add	*90.30*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Single Hung Wood Clad Window	658.99	94.27
		For Tempered Low-E Insulated Glass, Add	*94.09*	
		For Low-E Insulated Glass, Add	*56.45*	
		For Tempered Clear Insulated Glass, Add	*94.09*	

08 52 16 00-0037 65-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Single Hung Wood Clad Window	600.51	87.13
		For Tempered Low-E Insulated Glass, Add	*85.25*	
		For Low-E Insulated Glass, Add	*51.15*	
		For Tempered Clear Insulated Glass, Add	*85.25*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Single Hung Wood Clad Window	623.59	89.98
		For Tempered Low-E Insulated Glass, Add	*88.72*	
		For Low-E Insulated Glass, Add	*53.23*	
		For Tempered Clear Insulated Glass, Add	*88.72*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Single Hung Wood Clad Window	646.66	92.84
		For Tempered Low-E Insulated Glass, Add	*92.20*	
		For Low-E Insulated Glass, Add	*55.32*	
		For Tempered Clear Insulated Glass, Add	*92.20*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Single Hung Wood Clad Window	669.75	95.70
		For Tempered Low-E Insulated Glass, Add	*95.67*	
		For Low-E Insulated Glass, Add	*57.40*	
		For Tempered Clear Insulated Glass, Add	*95.67*	

08 52 16 00-0042 71-1/2" Height, Single Hung Wood Clad Windows *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Single Hung Wood Clad Window	634.33	91.41
		For Tempered Low-E Insulated Glass, Add	*90.30*	
		For Low-E Insulated Glass, Add	*54.18*	
		For Tempered Clear Insulated Glass, Add	*90.30*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Single Hung Wood Clad Window	658.99	94.27
		For Tempered Low-E Insulated Glass, Add	*94.09*	
		For Low-E Insulated Glass, Add	*56.45*	
		For Tempered Clear Insulated Glass, Add	*94.09*	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Single Hung Wood Clad Window	682.08	97.12
		For Tempered Low-E Insulated Glass, Add	*97.56*	
		For Low-E Insulated Glass, Add	*58.54*	
		For Tempered Clear Insulated Glass, Add	*97.56*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Single Hung Wood Clad Window	705.16	99.99
		For Tempered Low-E Insulated Glass, Add	*101.04*	
		For Low-E Insulated Glass, Add	*60.62*	
		For Tempered Clear Insulated Glass, Add	*101.04*	

08 52 16 00-0047 Single Hung Wood Clad Windows *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0049	EA	21-5/8" x 36-7/8" Single Hung Wood Clad Window	516.76	65.70
		For Tempered Low-E Insulated Glass, Add	*77.36*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Single Hung Wood Clad Window	547.73	67.85
		For Tempered Low-E Insulated Glass, Add	*82.41*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Single Hung Wood Clad Window	580.28	70.70
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Single Hung Wood Clad Window	597.36	72.84
		For Tempered Low-E Insulated Glass, Add	*90.62*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Single Hung Wood Clad Window	612.84	74.27
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Single Hung Wood Clad Window	628.33	75.70
		For Tempered Low-E Insulated Glass, Add	*95.67*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Single Hung Wood Clad Window	645.39	76.41
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Single Hung Wood Clad Window	676.36	79.28
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Single Hung Wood Clad Window	708.90	82.13
		For Tempered Low-E Insulated Glass, Add	*108.93*	

08 52 16 00-0058 40-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Single Hung Wood Clad Window	547.73	68.56
		For Tempered Low-E Insulated Glass, Add	*82.41*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Single Hung Wood Clad Window	580.28	70.70
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Single Hung Wood Clad Window	612.84	73.56
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Single Hung Wood Clad Window	628.33	75.70
		For Tempered Low-E Insulated Glass, Add	*95.67*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Single Hung Wood Clad Window	645.39	77.14
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Single Hung Wood Clad Window	660.88	78.56
		For Tempered Low-E Insulated Glass, Add	*101.04*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Single Hung Wood Clad Window	676.36	79.28
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Single Hung Wood Clad Window	708.90	82.13
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Single Hung Wood Clad Window	741.46	84.99
		For Tempered Low-E Insulated Glass, Add	*114.30*	

08 52 16 00-0068 44-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Single Hung Wood Clad Window	580.28	71.41
		For Tempered Low-E Insulated Glass, Add	*87.78*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Single Hung Wood Clad Window	612.84	73.56
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Single Hung Wood Clad Window	645.39	76.41
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Single Hung Wood Clad Window	660.88	78.56
		For Tempered Low-E Insulated Glass, Add	*101.04*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Single Hung Wood Clad Window	676.36	79.99
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Single Hung Wood Clad Window	693.42	81.42
		For Tempered Low-E Insulated Glass, Add	*106.40*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Single Hung Wood Clad Window	708.90	82.13
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Single Hung Wood Clad Window	741.46	84.99
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Single Hung Wood Clad Window	774.02	87.84
		For Tempered Low-E Insulated Glass, Add	*119.67*	

08 52 16 00-0078 48-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Single Hung Wood Clad Window	612.84	74.27
		For Tempered Low-E Insulated Glass, Add	*93.14*	
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Single Hung Wood Clad Window	645.39	76.41
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Single Hung Wood Clad Window	676.36	79.28
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Single Hung Wood Clad Window	693.42	81.42
		For Tempered Low-E Insulated Glass, Add	*106.40*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Single Hung Wood Clad Window	708.90	82.85
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Single Hung Wood Clad Window	724.40	84.27
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Single Hung Wood Clad Window	741.46	84.99
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Single Hung Wood Clad Window	774.02	87.84
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Single Hung Wood Clad Window	804.99	90.70
		For Tempered Low-E Insulated Glass, Add	*124.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0088		**52-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0089	EA	21-5/8" x 52-7/8" Single Hung Wood Clad Window	645.39	77.14
		For Tempered Low-E Insulated Glass, Add	*98.51*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Single Hung Wood Clad Window	676.36	79.28
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Single Hung Wood Clad Window	708.90	82.13
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Single Hung Wood Clad Window	724.40	84.27
		For Tempered Low-E Insulated Glass, Add	*111.46*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Single Hung Wood Clad Window	741.46	85.70
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Single Hung Wood Clad Window	756.95	87.13
		For Tempered Low-E Insulated Glass, Add	*116.82*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Single Hung Wood Clad Window	774.02	87.84
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Single Hung Wood Clad Window	804.99	90.70
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Single Hung Wood Clad Window	837.55	93.55
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0098		**56-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0099	EA	21-5/8" x 56-7/8" Single Hung Wood Clad Window	676.36	79.99
		For Tempered Low-E Insulated Glass, Add	*103.56*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Single Hung Wood Clad Window	708.90	82.13
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Single Hung Wood Clad Window	741.46	84.99
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Single Hung Wood Clad Window	756.95	87.13
		For Tempered Low-E Insulated Glass, Add	*116.82*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Single Hung Wood Clad Window	774.02	88.56
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Single Hung Wood Clad Window	789.50	89.98
		For Tempered Low-E Insulated Glass, Add	*122.19*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Single Hung Wood Clad Window	804.99	90.70
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Single Hung Wood Clad Window	837.55	93.55
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Single Hung Wood Clad Window	870.09	96.41
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0108		**60-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0109	EA	21-5/8" x 60-7/8" Single Hung Wood Clad Window	708.90	82.85
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Single Hung Wood Clad Window	741.46	84.99
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Single Hung Wood Clad Window	774.02	87.84
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Single Hung Wood Clad Window	789.50	89.98
		For Tempered Low-E Insulated Glass, Add	*122.19*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Single Hung Wood Clad Window	804.99	91.41
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Single Hung Wood Clad Window	822.05	92.84
		For Tempered Low-E Insulated Glass, Add	*127.56*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Single Hung Wood Clad Window	837.55	93.55
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Single Hung Wood Clad Window	870.09	96.41
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Single Hung Wood Clad Window	901.06	99.27
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0118		**64-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Single Hung Wood Clad Window	741.46	85.70
		For Tempered Low-E Insulated Glass, Add	*114.30*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Single Hung Wood Clad Window	774.02	87.84
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Single Hung Wood Clad Window	804.99	90.70
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Single Hung Wood Clad Window	822.05	92.84
		For Tempered Low-E Insulated Glass, Add	*127.56*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Single Hung Wood Clad Window	837.55	94.27
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Single Hung Wood Clad Window	853.03	95.70
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Single Hung Wood Clad Window	870.09	96.41
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Single Hung Wood Clad Window	901.06	99.27
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Single Hung Wood Clad Window	933.61	102.13
		For Tempered Low-E Insulated Glass, Add	*145.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0128		**68-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Single Hung Wood Clad Window	774.02	88.56
		For Tempered Low-E Insulated Glass, Add	*119.67*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Single Hung Wood Clad Window	804.99	90.70
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Single Hung Wood Clad Window	837.55	93.55
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Single Hung Wood Clad Window	853.03	95.70
		For Tempered Low-E Insulated Glass, Add	*132.61*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Single Hung Wood Clad Window	870.09	97.12
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Single Hung Wood Clad Window	885.57	98.55
		For Tempered Low-E Insulated Glass, Add	*137.98*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Single Hung Wood Clad Window	901.06	99.27
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Single Hung Wood Clad Window	933.61	102.13
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Single Hung Wood Clad Window	966.17	104.99
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0138		**72-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0139	EA	21-5/8" x 72-7/8" Single Hung Wood Clad Window	804.99	91.41
		For Tempered Low-E Insulated Glass, Add	*124.72*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Single Hung Wood Clad Window	837.55	93.55
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Single Hung Wood Clad Window	870.09	96.41
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Single Hung Wood Clad Window	885.57	98.55
		For Tempered Low-E Insulated Glass, Add	*137.98*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Single Hung Wood Clad Window	901.06	99.99
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Single Hung Wood Clad Window	918.12	101.42
		For Tempered Low-E Insulated Glass, Add	*143.35*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Single Hung Wood Clad Window	933.61	102.13
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Single Hung Wood Clad Window	966.17	104.99
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Single Hung Wood Clad Window	998.72	107.84
		For Tempered Low-E Insulated Glass, Add	*156.61*	
08 52 16 00-0148		**76-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Single Hung Wood Clad Window	837.55	94.27
		For Tempered Low-E Insulated Glass, Add	*130.09*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Single Hung Wood Clad Window	870.09	96.41
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Single Hung Wood Clad Window	901.06	99.27
		For Tempered Low-E Insulated Glass, Add	*140.50*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Single Hung Wood Clad Window	918.12	101.42
		For Tempered Low-E Insulated Glass, Add	*143.35*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Single Hung Wood Clad Window	933.61	102.84
		For Tempered Low-E Insulated Glass, Add	*145.87*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Single Hung Wood Clad Window	950.67	104.27
		For Tempered Low-E Insulated Glass, Add	*148.71*	
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Single Hung Wood Clad Window	966.17	104.99
		For Tempered Low-E Insulated Glass, Add	*151.24*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Single Hung Wood Clad Window	998.72	107.84
		For Tempered Low-E Insulated Glass, Add	*156.61*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Single Hung Wood Clad Window	1,029.69	110.70
		For Tempered Low-E Insulated Glass, Add	*161.66*	
08 52 16 00-0158		**84-7/8" Height, Single Hung Wood Clad Windows** *(08 52 16 00-0047)*		
08 52 16 00-0159	EA	21-5/8" x 84-7/8" Single Hung Wood Clad Window	1,276.78	99.99
		For Tempered Low-E Insulated Glass, Add	*215.65*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Single Hung Wood Clad Window	1,321.95	102.13
		For Tempered Low-E Insulated Glass, Add	*223.54*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Single Hung Wood Clad Window	1,367.14	104.99
		For Tempered Low-E Insulated Glass, Add	*231.43*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Single Hung Wood Clad Window	1,388.95	107.13
		For Tempered Low-E Insulated Glass, Add	*235.22*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Single Hung Wood Clad Window	1,412.32	108.55
		For Tempered Low-E Insulated Glass, Add	*239.33*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Single Hung Wood Clad Window	1,434.12	109.98
		For Tempered Low-E Insulated Glass, Add	*243.12*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Single Hung Wood Clad Window	1,455.92	110.70
		For Tempered Low-E Insulated Glass, Add	*246.91*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Single Hung Wood Clad Window	1,501.10	113.55
		For Tempered Low-E Insulated Glass, Add	*254.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Single Hung Wood Clad Window	1,546.28	116.41
		For Tempered Low-E Insulated Glass, Add	*262.69*	

08 52 16 00-0168 88-7/8" Height, Single Hung Wood Clad Windows *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Single Hung Wood Clad Window	1,321.95	102.84
		For Tempered Low-E Insulated Glass, Add	*223.54*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Single Hung Wood Clad Window	1,367.14	104.99
		For Tempered Low-E Insulated Glass, Add	*231.43*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Single Hung Wood Clad Window	1,412.32	107.84
		For Tempered Low-E Insulated Glass, Add	*239.33*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Single Hung Wood Clad Window	1,434.12	109.98
		For Tempered Low-E Insulated Glass, Add	*243.12*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Single Hung Wood Clad Window	1,455.92	111.41
		For Tempered Low-E Insulated Glass, Add	*246.91*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Single Hung Wood Clad Window	1,479.30	112.84
		For Tempered Low-E Insulated Glass, Add	*251.01*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Single Hung Wood Clad Window	1,501.10	113.55
		For Tempered Low-E Insulated Glass, Add	*254.80*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Single Hung Wood Clad Window	1,546.28	116.41
		For Tempered Low-E Insulated Glass, Add	*262.69*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Single Hung Wood Clad Window	1,591.46	119.26
		For Tempered Low-E Insulated Glass, Add	*270.59*	

08 52 16 00-0178 Double Hung Wood Clad Windows *(08 52 16)*

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

08 52 16 00-0179 Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0180 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0181	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	475.01	65.70
		For Low-E Insulated Glass, Add	*41.23*	
		For Tempered Clear Insulated Glass, Add	*68.72*	
08 52 16 00-0182	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	503.01	68.56
		For Low-E Insulated Glass, Add	*43.91*	
		For Tempered Clear Insulated Glass, Add	*73.18*	
08 52 16 00-0183	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	529.16	71.41
		For Low-E Insulated Glass, Add	*46.36*	
		For Tempered Clear Insulated Glass, Add	*77.26*	
08 52 16 00-0184	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	555.30	74.27
		For Low-E Insulated Glass, Add	*48.81*	
		For Tempered Clear Insulated Glass, Add	*81.35*	

08 52 16 00-0185 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0186	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	515.14	69.99
		For Low-E Insulated Glass, Add	*45.02*	
		For Tempered Clear Insulated Glass, Add	*75.03*	
08 52 16 00-0187	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	543.15	72.84
		For Low-E Insulated Glass, Add	*47.70*	
		For Tempered Clear Insulated Glass, Add	*79.49*	
08 52 16 00-0188	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	569.30	75.70
		For Low-E Insulated Glass, Add	*50.15*	
		For Tempered Clear Insulated Glass, Add	*83.58*	
08 52 16 00-0189	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	595.44	78.56
		For Low-E Insulated Glass, Add	*52.60*	
		For Tempered Clear Insulated Glass, Add	*87.66*	

08 52 16 00-0190 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0191	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	555.30	74.27
		For Low-E Insulated Glass, Add	*48.81*	
		For Tempered Clear Insulated Glass, Add	*81.35*	
08 52 16 00-0192	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	581.44	77.14
		For Low-E Insulated Glass, Add	*51.26*	
		For Tempered Clear Insulated Glass, Add	*85.44*	
08 52 16 00-0193	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.44	79.99
		For Low-E Insulated Glass, Add	*53.94*	
		For Tempered Clear Insulated Glass, Add	*89.89*	
08 52 16 00-0194	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	635.59	82.85
		For Low-E Insulated Glass, Add	*56.39*	
		For Tempered Clear Insulated Glass, Add	*93.98*	

08 52 16 00-0195 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0196	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	595.44	78.56
		For Low-E Insulated Glass, Add	*52.60*	
		For Tempered Clear Insulated Glass, Add	*87.66*	
08 52 16 00-0197	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	621.58	81.42
		For Low-E Insulated Glass, Add	*55.05*	
		For Tempered Clear Insulated Glass, Add	*91.75*	
08 52 16 00-0198	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	647.73	84.27
		For Low-E Insulated Glass, Add	*57.50*	
		For Tempered Clear Insulated Glass, Add	*95.84*	
08 52 16 00-0199	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	675.73	87.13
		For Low-E Insulated Glass, Add	*60.18*	
		For Tempered Clear Insulated Glass, Add	*100.29*	

08 52 16 00-0200 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0201	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	588.44	78.56
		For Low-E Insulated Glass, Add	*51.93*	
		For Tempered Clear Insulated Glass, Add	*86.55*	
08 52 16 00-0202	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	614.58	80.70
		For Low-E Insulated Glass, Add	*54.38*	
		For Tempered Clear Insulated Glass, Add	*90.64*	
08 52 16 00-0203	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	642.59	84.27
		For Low-E Insulated Glass, Add	*57.06*	
		For Tempered Clear Insulated Glass, Add	*95.09*	
08 52 16 00-0204	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	668.73	87.13
		For Low-E Insulated Glass, Add	*59.51*	
		For Tempered Clear Insulated Glass, Add	*99.18*	
08 52 16 00-0205	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	694.87	89.98
		For Low-E Insulated Glass, Add	*61.96*	
		For Tempered Clear Insulated Glass, Add	*103.27*	
08 52 16 00-0206	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	721.01	92.84
		For Low-E Insulated Glass, Add	*64.41*	
		For Tempered Clear Insulated Glass, Add	*107.35*	

08 52 16 00-0207 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0208	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	609.44	79.99
		For Low-E Insulated Glass, Add	*53.94*	
		For Tempered Clear Insulated Glass, Add	*89.89*	
08 52 16 00-0209	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	635.59	82.85
		For Low-E Insulated Glass, Add	*56.39*	
		For Tempered Clear Insulated Glass, Add	*93.98*	
08 52 16 00-0210	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	661.73	85.70
		For Low-E Insulated Glass, Add	*58.84*	
		For Tempered Clear Insulated Glass, Add	*98.07*	
08 52 16 00-0211	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	687.87	88.56
		For Low-E Insulated Glass, Add	*61.29*	
		For Tempered Clear Insulated Glass, Add	*102.15*	
08 52 16 00-0212	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	714.01	91.41
		For Low-E Insulated Glass, Add	*63.74*	
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-0213	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	742.02	94.27
		For Low-E Insulated Glass, Add	*66.42*	
		For Tempered Clear Insulated Glass, Add	*110.70*	

08 52 16 00-0214 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0215	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	675.73	87.13
		For Low-E Insulated Glass, Add	*60.18*	
		For Tempered Clear Insulated Glass, Add	*100.29*	
08 52 16 00-0216	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	701.87	89.98
		For Low-E Insulated Glass, Add	*62.63*	
		For Tempered Clear Insulated Glass, Add	*104.38*	
08 52 16 00-0217	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	728.01	92.84
		For Low-E Insulated Glass, Add	*65.08*	
		For Tempered Clear Insulated Glass, Add	*108.47*	
08 52 16 00-0218	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	754.16	95.70
		For Low-E Insulated Glass, Add	*67.53*	
		For Tempered Clear Insulated Glass, Add	*112.55*	

08 52 16 00-0219 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0179)*

08 52 16 00-0220	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	714.01	91.41
		For Low-E Insulated Glass, Add	*63.74*	
		For Tempered Clear Insulated Glass, Add	*106.24*	
08 52 16 00-0221	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	742.02	94.27
		For Low-E Insulated Glass, Add	*66.42*	
		For Tempered Clear Insulated Glass, Add	*110.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0222	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	768.17	97.12
		For Low-E Insulated Glass, Add	*68.87*	
		For Tempered Clear Insulated Glass, Add	*114.78*	
08 52 16 00-0223	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	794.31	99.99
		For Low-E Insulated Glass, Add	*71.32*	
		For Tempered Clear Insulated Glass, Add	*118.87*	

08 52 16 00-0224 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0225 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0226	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	585.02	65.70
		For Tempered Low-E Insulated Glass, Add	*91.01*	
08 52 16 00-0227	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	620.45	67.85
		For Tempered Low-E Insulated Glass, Add	*96.95*	
08 52 16 00-0228	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	657.73	70.70
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0229	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	677.32	72.84
		For Tempered Low-E Insulated Glass, Add	*106.61*	
08 52 16 00-0230	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.02	74.27
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0231	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	712.74	75.70
		For Tempered Low-E Insulated Glass, Add	*112.55*	
08 52 16 00-0232	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.31	76.41
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0233	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.73	79.28
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0234	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.13
		For Tempered Low-E Insulated Glass, Add	*128.15*	

08 52 16 00-0235 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0236	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	620.45	68.56
		For Tempered Low-E Insulated Glass, Add	*96.95*	
08 52 16 00-0237	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	657.73	70.70
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0238	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.02	73.56
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0239	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	712.74	75.70
		For Tempered Low-E Insulated Glass, Add	*112.55*	
08 52 16 00-0240	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.31	77.14
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0241	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	750.03	78.56
		For Tempered Low-E Insulated Glass, Add	*118.87*	
08 52 16 00-0242	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.73	79.28
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0243	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.13
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0244	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	84.99
		For Tempered Low-E Insulated Glass, Add	*134.47*	

08 52 16 00-0245 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0246	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	657.73	71.41
		For Tempered Low-E Insulated Glass, Add	*103.27*	
08 52 16 00-0247	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.02	73.56
		For Tempered Low-E Insulated Glass, Add	*109.58*	
08 52 16 00-0248	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.31	76.41
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0249	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	750.03	78.56
		For Tempered Low-E Insulated Glass, Add	*118.87*	
08 52 16 00-0250	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.73	79.99
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0251	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	787.31	81.42
		For Tempered Low-E Insulated Glass, Add	*125.18*	
08 52 16 00-0252	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.13
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0253	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	84.99
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0254	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	87.84
		For Tempered Low-E Insulated Glass, Add	*140.78*	

08 52 16 00-0255 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0256	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.02	74.27
		For Tempered Low-E Insulated Glass, Add	*109.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0257	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.31	76.41
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0258	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.73	79.28
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0259	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	787.31	81.42
		For Tempered Low-E Insulated Glass, Add	*125.18*	
08 52 16 00-0260	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.85
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0261	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	822.75	84.27
		For Tempered Low-E Insulated Glass, Add	*131.13*	
08 52 16 00-0262	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	84.99
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0263	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	87.84
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0264	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	90.70
		For Tempered Low-E Insulated Glass, Add	*146.73*	

08 52 16 00-0265 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0266	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	732.31	77.14
		For Tempered Low-E Insulated Glass, Add	*115.90*	
08 52 16 00-0267	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.73	79.28
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0268	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.13
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0269	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	822.75	84.27
		For Tempered Low-E Insulated Glass, Add	*131.13*	
08 52 16 00-0270	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	85.70
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0271	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	860.03	87.13
		For Tempered Low-E Insulated Glass, Add	*137.44*	
08 52 16 00-0272	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	87.84
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0273	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	90.70
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0274	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	93.55
		For Tempered Low-E Insulated Glass, Add	*153.04*	

08 52 16 00-0275 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0276	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	767.73	79.99
		For Tempered Low-E Insulated Glass, Add	*121.84*	
08 52 16 00-0277	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.13
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0278	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	84.99
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0279	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	860.03	87.13
		For Tempered Low-E Insulated Glass, Add	*137.44*	
08 52 16 00-0280	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	88.56
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0281	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	897.32	89.98
		For Tempered Low-E Insulated Glass, Add	*143.76*	
08 52 16 00-0282	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	90.70
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0283	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	93.55
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0284	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	989.61	96.41
		For Tempered Low-E Insulated Glass, Add	*159.36*	

08 52 16 00-0285 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0286	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	805.02	82.85
		For Tempered Low-E Insulated Glass, Add	*128.15*	
08 52 16 00-0287	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	84.99
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0288	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	87.84
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0289	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	897.32	89.98
		For Tempered Low-E Insulated Glass, Add	*143.76*	
08 52 16 00-0290	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	91.41
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0291	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	934.60	92.84
		For Tempered Low-E Insulated Glass, Add	*150.07*	
08 52 16 00-0292	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	93.55
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0293	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	989.61	96.41
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0294	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.04	99.27
		For Tempered Low-E Insulated Glass, Add	*165.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0295		**64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** *(08 52 16 00-0224)*		
08 52 16 00-0296	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	842.31	85.70
		For Tempered Low-E Insulated Glass, Add	*134.47*	
08 52 16 00-0297	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	87.84
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0298	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	90.70
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0299	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	934.60	92.84
		For Tempered Low-E Insulated Glass, Add	*150.07*	
08 52 16 00-0300	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	94.27
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0301	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	970.04	95.70
		For Tempered Low-E Insulated Glass, Add	*156.01*	
08 52 16 00-0302	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	989.61	96.41
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0303	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.04	99.27
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0304	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.32	102.13
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0305		**68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** *(08 52 16 00-0224)*		
08 52 16 00-0306	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	879.61	88.56
		For Tempered Low-E Insulated Glass, Add	*140.78*	
08 52 16 00-0307	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	90.70
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0308	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	93.55
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0309	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	970.04	95.70
		For Tempered Low-E Insulated Glass, Add	*156.01*	
08 52 16 00-0310	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	989.61	97.12
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0311	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,007.32	98.55
		For Tempered Low-E Insulated Glass, Add	*162.33*	
08 52 16 00-0312	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.04	99.27
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0313	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.32	102.13
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0314	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,099.62	104.99
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0315		**72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** *(08 52 16 00-0224)*		
08 52 16 00-0316	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	915.03	91.41
		For Tempered Low-E Insulated Glass, Add	*146.73*	
08 52 16 00-0317	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	93.55
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0318	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	989.61	96.41
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0319	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,007.32	98.55
		For Tempered Low-E Insulated Glass, Add	*162.33*	
08 52 16 00-0320	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.04	99.99
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0321	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,044.60	101.42
		For Tempered Low-E Insulated Glass, Add	*168.64*	
08 52 16 00-0322	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.32	102.13
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0323	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,099.62	104.99
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0324	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,136.90	107.84
		For Tempered Low-E Insulated Glass, Add	*184.24*	
08 52 16 00-0325		**76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** *(08 52 16 00-0224)*		
08 52 16 00-0326	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	952.33	94.27
		For Tempered Low-E Insulated Glass, Add	*153.04*	
08 52 16 00-0327	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	989.61	96.41
		For Tempered Low-E Insulated Glass, Add	*159.36*	
08 52 16 00-0328	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,025.04	99.27
		For Tempered Low-E Insulated Glass, Add	*165.30*	
08 52 16 00-0329	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,044.60	101.42
		For Tempered Low-E Insulated Glass, Add	*168.64*	
08 52 16 00-0330	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,062.32	102.84
		For Tempered Low-E Insulated Glass, Add	*171.61*	
08 52 16 00-0331	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,081.89	104.27
		For Tempered Low-E Insulated Glass, Add	*174.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0332	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,099.62	104.99
		For Tempered Low-E Insulated Glass, Add	*177.93*	
08 52 16 00-0333	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,136.90	107.84
		For Tempered Low-E Insulated Glass, Add	*184.24*	
08 52 16 00-0334	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,172.33	110.70
		For Tempered Low-E Insulated Glass, Add	*190.19*	

08 52 16 00-0335 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0336	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,467.08	99.99
		For Tempered Low-E Insulated Glass, Add	*253.71*	
08 52 16 00-0337	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,519.22	102.13
		For Tempered Low-E Insulated Glass, Add	*262.99*	
08 52 16 00-0338	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,571.37	104.99
		For Tempered Low-E Insulated Glass, Add	*272.28*	
08 52 16 00-0339	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,596.52	107.13
		For Tempered Low-E Insulated Glass, Add	*276.74*	
08 52 16 00-0340	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,623.51	108.55
		For Tempered Low-E Insulated Glass, Add	*281.57*	
08 52 16 00-0341	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,648.66	109.98
		For Tempered Low-E Insulated Glass, Add	*286.02*	
08 52 16 00-0342	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,673.80	110.70
		For Tempered Low-E Insulated Glass, Add	*290.48*	
08 52 16 00-0343	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,725.94	113.55
		For Tempered Low-E Insulated Glass, Add	*299.77*	
08 52 16 00-0344	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,778.09	116.41
		For Tempered Low-E Insulated Glass, Add	*309.05*	

08 52 16 00-0345 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0224)*

08 52 16 00-0346	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,519.22	102.84
		For Tempered Low-E Insulated Glass, Add	*262.99*	
08 52 16 00-0347	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,571.37	104.99
		For Tempered Low-E Insulated Glass, Add	*272.28*	
08 52 16 00-0348	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,623.51	107.84
		For Tempered Low-E Insulated Glass, Add	*281.57*	
08 52 16 00-0349	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,648.66	109.98
		For Tempered Low-E Insulated Glass, Add	*286.02*	
08 52 16 00-0350	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,673.80	111.41
		For Tempered Low-E Insulated Glass, Add	*290.48*	
08 52 16 00-0351	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,700.80	112.84
		For Tempered Low-E Insulated Glass, Add	*295.31*	
08 52 16 00-0352	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,725.94	113.55
		For Tempered Low-E Insulated Glass, Add	*299.77*	
08 52 16 00-0353	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,778.09	116.41
		For Tempered Low-E Insulated Glass, Add	*309.05*	
08 52 16 00-0354	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,830.24	119.26
		For Tempered Low-E Insulated Glass, Add	*318.34*	

08 52 16 00-0355 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

08 52 16 00-0356 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0355)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0357 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*

08 52 16 00-0358 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0359	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	485.55	54.27
		For Tempered Clear Insulated Glass, Add	*75.68*	
08 52 16 00-0360	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	513.30	55.71
		For Tempered Clear Insulated Glass, Add	*80.38*	
08 52 16 00-0361	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	544.45	58.57
		For Tempered Clear Insulated Glass, Add	*85.47*	
08 52 16 00-0362	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	573.22	61.42
		For Tempered Clear Insulated Glass, Add	*90.08*	

08 52 16 00-0363 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*

08 52 16 00-0364	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	520.60	57.14
		For Tempered Clear Insulated Glass, Add	*81.55*	
08 52 16 00-0365	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	548.36	58.57
		For Tempered Clear Insulated Glass, Add	*86.25*	
08 52 16 00-0366	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	579.51	61.42
		For Tempered Clear Insulated Glass, Add	*91.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0367	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	595.28	64.28
		For Tempered Clear Insulated Glass, Add	*93.35*	
08 52 16 00-0368	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	631.10	67.13
		For Tempered Clear Insulated Glass, Add	*99.65*	
08 52 16 00-0369		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0370	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	583.43	61.42
		For Tempered Clear Insulated Glass, Add	*92.12*	
08 52 16 00-0371	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	613.14	64.28
		For Tempered Clear Insulated Glass, Add	*97.20*	
08 52 16 00-0372	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	644.30	66.42
		For Tempered Clear Insulated Glass, Add	*102.29*	
08 52 16 00-0373	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	693.05	69.27
		For Tempered Clear Insulated Glass, Add	*110.90*	
08 52 16 00-0374	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	739.34	71.41
		For Tempered Clear Insulated Glass, Add	*119.30*	
08 52 16 00-0375	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	784.31	72.84
		For Tempered Clear Insulated Glass, Add	*127.72*	
08 52 16 00-0376		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0377	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	625.78	65.70
		For Tempered Clear Insulated Glass, Add	*99.16*	
08 52 16 00-0378	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	653.54	67.13
		For Tempered Clear Insulated Glass, Add	*103.86*	
08 52 16 00-0379	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	684.68	69.99
		For Tempered Clear Insulated Glass, Add	*108.94*	
08 52 16 00-0380	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	754.97	72.84
		For Tempered Clear Insulated Glass, Add	*121.86*	
08 52 16 00-0381	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	803.44	75.70
		For Tempered Clear Insulated Glass, Add	*130.69*	
08 52 16 00-0382	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	849.09	78.56
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-0383		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0384	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	686.11	71.41
		For Tempered Clear Insulated Glass, Add	*108.94*	
08 52 16 00-0385	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	715.84	72.84
		For Tempered Clear Insulated Glass, Add	*114.03*	
08 52 16 00-0386	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	746.99	75.70
		For Tempered Clear Insulated Glass, Add	*119.12*	
08 52 16 00-0387	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	843.66	78.56
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0388	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	881.72	81.42
		For Tempered Clear Insulated Glass, Add	*144.06*	
08 52 16 00-0389	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	938.78	84.27
		For Tempered Clear Insulated Glass, Add	*154.33*	
08 52 16 00-0390		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0391	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	727.05	74.27
		For Tempered Clear Insulated Glass, Add	*115.99*	
08 52 16 00-0392	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	754.82	75.70
		For Tempered Clear Insulated Glass, Add	*120.68*	
08 52 16 00-0393	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	785.96	78.56
		For Tempered Clear Insulated Glass, Add	*125.77*	
08 52 16 00-0394	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	905.14	81.42
		For Tempered Clear Insulated Glass, Add	*148.46*	
08 52 16 00-0395	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	961.74	84.27
		For Tempered Clear Insulated Glass, Add	*158.92*	
08 52 16 00-0396	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	999.27	87.13
		For Tempered Clear Insulated Glass, Add	*165.29*	
08 52 16 00-0397		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0398	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	785.96	78.56
		For Tempered Clear Insulated Glass, Add	*125.77*	
08 52 16 00-0399	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	815.67	81.42
		For Tempered Clear Insulated Glass, Add	*130.85*	
08 52 16 00-0400	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	846.83	83.56
		For Tempered Clear Insulated Glass, Add	*135.94*	
08 52 16 00-0401	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	993.40	86.42
		For Tempered Clear Insulated Glass, Add	*164.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0402	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,033.64	88.56
		For Tempered Clear Insulated Glass, Add	*171.31*	
08 52 16 00-0403	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,087.52	91.41
		For Tempered Clear Insulated Glass, Add	*180.94*	
08 52 16 00-0404		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0405	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	828.31	82.85
		For Tempered Clear Insulated Glass, Add	*132.81*	
08 52 16 00-0406	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	856.08	84.27
		For Tempered Clear Insulated Glass, Add	*137.51*	
08 52 16 00-0407	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	887.23	87.13
		For Tempered Clear Insulated Glass, Add	*142.59*	
08 52 16 00-0408	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,055.32	89.98
		For Tempered Clear Insulated Glass, Add	*175.07*	
08 52 16 00-0409	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,092.79	92.84
		For Tempered Clear Insulated Glass, Add	*181.71*	
08 52 16 00-0410	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,149.45	95.70
		For Tempered Clear Insulated Glass, Add	*191.90*	
08 52 16 00-0411		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0357)*		
08 52 16 00-0412	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	887.23	87.13
		For Tempered Clear Insulated Glass, Add	*142.59*	
08 52 16 00-0413	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	916.94	89.98
		For Tempered Clear Insulated Glass, Add	*147.68*	
08 52 16 00-0414	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	948.08	92.13
		For Tempered Clear Insulated Glass, Add	*152.77*	
08 52 16 00-0415	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,143.58	94.98
		For Tempered Clear Insulated Glass, Add	*190.72*	
08 52 16 00-0416	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,189.47	97.12
		For Tempered Clear Insulated Glass, Add	*199.04*	
08 52 16 00-0417	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,237.71	99.99
		For Tempered Clear Insulated Glass, Add	*207.55*	
08 52 16 00-0418		Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*		
08 52 16 00-0419		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0420	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	864.56	69.99
		For Tempered Clear Insulated Glass, Add	*144.92*	
08 52 16 00-0421	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	981.95	75.70
		For Tempered Clear Insulated Glass, Add	*166.11*	
08 52 16 00-0422	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,117.74	81.42
		For Tempered Clear Insulated Glass, Add	*190.98*	
08 52 16 00-0423		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0424	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	932.37	72.84
		For Tempered Clear Insulated Glass, Add	*157.34*	
08 52 16 00-0425	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,049.74	78.56
		For Tempered Clear Insulated Glass, Add	*178.52*	
08 52 16 00-0426	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,185.54	84.27
		For Tempered Clear Insulated Glass, Add	*203.40*	
08 52 16 00-0427		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0428	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	924.05	72.84
		For Tempered Clear Insulated Glass, Add	*155.67*	
08 52 16 00-0429	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,043.61	78.56
		For Tempered Clear Insulated Glass, Add	*177.58*	
08 52 16 00-0430	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,168.51	84.27
		For Tempered Clear Insulated Glass, Add	*200.28*	
08 52 16 00-0431	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,312.97	89.27
		For Tempered Clear Insulated Glass, Add	*226.89*	
08 52 16 00-0432	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,409.83	93.55
		For Tempered Clear Insulated Glass, Add	*244.54*	
08 52 16 00-0433	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,571.12	99.99
		For Tempered Clear Insulated Glass, Add	*274.23*	
08 52 16 00-0434		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*		
08 52 16 00-0435	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,007.49	76.41
		For Tempered Clear Insulated Glass, Add	*170.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0436	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,127.05	81.42
		For Tempered Clear Insulated Glass, Add	*192.84*	
08 52 16 00-0437	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,251.95	87.13
		For Tempered Clear Insulated Glass, Add	*215.54*	
08 52 16 00-0438	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,396.41	92.84
		For Tempered Clear Insulated Glass, Add	*242.15*	
08 52 16 00-0439	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,503.65	97.12
		For Tempered Clear Insulated Glass, Add	*261.88*	
08 52 16 00-0440	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,953.89	103.56
		For Tempered Clear Insulated Glass, Add	*349.36*	

08 52 16 00-0441 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*

08 52 16 00-0442	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,130.42	82.13
		For Tempered Clear Insulated Glass, Add	*193.23*	
08 52 16 00-0443	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,251.95	87.13
		For Tempered Clear Insulated Glass, Add	*215.54*	
08 52 16 00-0444	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,376.84	92.84
		For Tempered Clear Insulated Glass, Add	*238.23*	
08 52 16 00-0445	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,521.31	98.55
		For Tempered Clear Insulated Glass, Add	*264.84*	
08 52 16 00-0446	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,624.04	102.84
		For Tempered Clear Insulated Glass, Add	*283.67*	
08 52 16 00-0447	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,779.47	109.27
		For Tempered Clear Insulated Glass, Add	*312.19*	

08 52 16 00-0448 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*

08 52 16 00-0449	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,212.44	84.99
		For Tempered Clear Insulated Glass, Add	*208.49*	
08 52 16 00-0450	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,332.00	89.98
		For Tempered Clear Insulated Glass, Add	*230.41*	
08 52 16 00-0451	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,442.39	95.70
		For Tempered Clear Insulated Glass, Add	*250.20*	
08 52 16 00-0452	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,601.36	101.42
		For Tempered Clear Insulated Glass, Add	*279.71*	
08 52 16 00-0453	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,709.00	105.70
		For Tempered Clear Insulated Glass, Add	*299.52*	
08 52 16 00-0454	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,861.48	112.12
		For Tempered Clear Insulated Glass, Add	*327.45*	

08 52 16 00-0455 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*

08 52 16 00-0456	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,333.96	89.98
		For Tempered Clear Insulated Glass, Add	*230.80*	
08 52 16 00-0457	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,453.52	95.70
		For Tempered Clear Insulated Glass, Add	*252.71*	
08 52 16 00-0458	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,578.41	101.42
		For Tempered Clear Insulated Glass, Add	*275.40*	
08 52 16 00-0459	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,722.89	106.41
		For Tempered Clear Insulated Glass, Add	*302.01*	
08 52 16 00-0460	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,830.51	110.70
		For Tempered Clear Insulated Glass, Add	*321.82*	
08 52 16 00-0461	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,981.04	117.12
		For Tempered Clear Insulated Glass, Add	*349.36*	

08 52 16 00-0462 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*

08 52 16 00-0463	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,417.41	93.55
		For Tempered Clear Insulated Glass, Add	*246.06*	
08 52 16 00-0464	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,536.96	98.55
		For Tempered Clear Insulated Glass, Add	*267.97*	
08 52 16 00-0465	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,663.82	104.27
		For Tempered Clear Insulated Glass, Add	*291.06*	
08 52 16 00-0466	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,808.28	109.98
		For Tempered Clear Insulated Glass, Add	*317.66*	

08 52 16 00-0467 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0418)*

08 52 16 00-0468	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,538.92	98.55
		For Tempered Clear Insulated Glass, Add	*268.36*	
08 52 16 00-0469	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,658.47	104.27
		For Tempered Clear Insulated Glass, Add	*290.27*	
08 52 16 00-0470	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,783.38	109.98
		For Tempered Clear Insulated Glass, Add	*312.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0471	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,927.84	114.98
		For Tempered Clear Insulated Glass, Add	*339.58*	
08 52 16 00-0472		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0356)*		
08 52 16 00-0473		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0474	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,367.75	92.13
		For Tempered Clear Insulated Glass, Add	*236.70*	
08 52 16 00-0475	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,590.00	101.42
		For Tempered Clear Insulated Glass, Add	*277.44*	
08 52 16 00-0476		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0477	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,450.97	94.98
		For Tempered Clear Insulated Glass, Add	*252.20*	
08 52 16 00-0478	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,658.70	104.27
		For Tempered Clear Insulated Glass, Add	*290.03*	
08 52 16 00-0479		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0480	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,396.80	92.84
		For Tempered Clear Insulated Glass, Add	*242.22*	
08 52 16 00-0481	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,575.04	99.99
		For Tempered Clear Insulated Glass, Add	*275.01*	
08 52 16 00-0482	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,795.12	109.98
		For Tempered Clear Insulated Glass, Add	*315.32*	
08 52 16 00-0483		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0484	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,476.27	97.12
		For Tempered Clear Insulated Glass, Add	*256.69*	
08 52 16 00-0485	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,660.42	103.56
		For Tempered Clear Insulated Glass, Add	*290.66*	
08 52 16 00-0486	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,878.55	112.84
		For Tempered Clear Insulated Glass, Add	*330.58*	
08 52 16 00-0487		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0488	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,783.38	109.27
		For Tempered Clear Insulated Glass, Add	*312.97*	
08 52 16 00-0489	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,001.51	118.55
		For Tempered Clear Insulated Glass, Add	*352.88*	
08 52 16 00-0490		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0491	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,865.39	112.12
		For Tempered Clear Insulated Glass, Add	*328.23*	
08 52 16 00-0492	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,083.52	121.41
		For Tempered Clear Insulated Glass, Add	*368.14*	
08 52 16 00-0493		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0472)*		
08 52 16 00-0494	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,984.95	117.12
		For Tempered Clear Insulated Glass, Add	*350.14*	
08 52 16 00-0495	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,205.04	127.12
		For Tempered Clear Insulated Glass, Add	*390.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0496		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0355)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0497		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0498		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0499	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	576.52	54.27
		For Tempered Low-E Insulated Glass, Add	*93.88*	
08 52 16 00-0500	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	610.15	55.71
		For Tempered Low-E Insulated Glass, Add	*99.75*	
08 52 16 00-0501	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	647.65	58.57
		For Tempered Low-E Insulated Glass, Add	*106.11*	
08 52 16 00-0502	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	682.19	61.42
		For Tempered Low-E Insulated Glass, Add	*111.87*	
08 52 16 00-0503		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0504	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	618.91	57.14
		For Tempered Low-E Insulated Glass, Add	*101.21*	
08 52 16 00-0505	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	652.54	58.57
		For Tempered Low-E Insulated Glass, Add	*107.08*	
08 52 16 00-0506	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	690.05	61.42
		For Tempered Low-E Insulated Glass, Add	*113.44*	
08 52 16 00-0507	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	708.33	64.28
		For Tempered Low-E Insulated Glass, Add	*115.96*	
08 52 16 00-0508	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	752.03	67.13
		For Tempered Low-E Insulated Glass, Add	*123.84*	
08 52 16 00-0509		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0510	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	694.94	61.42
		For Tempered Low-E Insulated Glass, Add	*114.42*	
08 52 16 00-0511	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	731.02	64.28
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0512	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	768.53	66.42
		For Tempered Low-E Insulated Glass, Add	*127.14*	
08 52 16 00-0513	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	828.04	69.27
		For Tempered Low-E Insulated Glass, Add	*137.90*	
08 52 16 00-0514	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	884.83	71.41
		For Tempered Low-E Insulated Glass, Add	*148.40*	
08 52 16 00-0515	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	940.34	72.84
		For Tempered Low-E Insulated Glass, Add	*158.93*	
08 52 16 00-0516		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0517	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	746.10	65.70
		For Tempered Low-E Insulated Glass, Add	*123.22*	
08 52 16 00-0518	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	779.73	67.13
		For Tempered Low-E Insulated Glass, Add	*129.09*	
08 52 16 00-0519	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	817.23	69.99
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0520	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	903.66	72.84
		For Tempered Low-E Insulated Glass, Add	*151.59*	
08 52 16 00-0521	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	963.17	75.70
		For Tempered Low-E Insulated Glass, Add	*162.64*	
08 52 16 00-0522	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,018.81	78.56
		For Tempered Low-E Insulated Glass, Add	*172.62*	
08 52 16 00-0523		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0524	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	818.66	71.41
		For Tempered Low-E Insulated Glass, Add	*135.45*	
08 52 16 00-0525	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	854.74	72.84
		For Tempered Low-E Insulated Glass, Add	*141.81*	
08 52 16 00-0526	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	892.26	75.70
		For Tempered Low-E Insulated Glass, Add	*148.17*	
08 52 16 00-0527	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,011.67	78.56
		For Tempered Low-E Insulated Glass, Add	*170.91*	
08 52 16 00-0528	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,058.17	81.42
		For Tempered Low-E Insulated Glass, Add	*179.35*	
08 52 16 00-0529	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,128.07	84.27
		For Tempered Low-E Insulated Glass, Add	*192.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0530		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0531	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	868.40	74.27
		For Tempered Low-E Insulated Glass, Add	*144.26*	
08 52 16 00-0532	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	902.04	75.70
		For Tempered Low-E Insulated Glass, Add	*150.13*	
08 52 16 00-0533	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	939.54	78.56
		For Tempered Low-E Insulated Glass, Add	*156.48*	
08 52 16 00-0534	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,087.09	81.42
		For Tempered Low-E Insulated Glass, Add	*184.85*	
08 52 16 00-0535	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,156.76	84.27
		For Tempered Low-E Insulated Glass, Add	*197.93*	
08 52 16 00-0536	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,202.25	87.13
		For Tempered Low-E Insulated Glass, Add	*205.88*	
08 52 16 00-0537		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0538	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	939.54	78.56
		For Tempered Low-E Insulated Glass, Add	*156.48*	
08 52 16 00-0539	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	975.61	81.42
		For Tempered Low-E Insulated Glass, Add	*162.84*	
08 52 16 00-0540	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,013.12	83.56
		For Tempered Low-E Insulated Glass, Add	*169.20*	
08 52 16 00-0541	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,194.91	86.42
		For Tempered Low-E Insulated Glass, Add	*204.42*	
08 52 16 00-0542	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,244.14	88.56
		For Tempered Low-E Insulated Glass, Add	*213.41*	
08 52 16 00-0543	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,310.06	91.41
		For Tempered Low-E Insulated Glass, Add	*225.45*	
08 52 16 00-0544		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0545	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	990.69	82.85
		For Tempered Low-E Insulated Glass, Add	*165.29*	
08 52 16 00-0546	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,024.34	84.27
		For Tempered Low-E Insulated Glass, Add	*171.16*	
08 52 16 00-0547	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,061.84	87.13
		For Tempered Low-E Insulated Glass, Add	*177.52*	
08 52 16 00-0548	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,270.53	89.98
		For Tempered Low-E Insulated Glass, Add	*218.11*	
08 52 16 00-0549	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,316.29	92.84
		For Tempered Low-E Insulated Glass, Add	*226.41*	
08 52 16 00-0550	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,385.69	95.70
		For Tempered Low-E Insulated Glass, Add	*239.14*	
08 52 16 00-0551		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0497)*		
08 52 16 00-0552	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,061.84	87.13
		For Tempered Low-E Insulated Glass, Add	*177.52*	
08 52 16 00-0553	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,097.91	89.98
		For Tempered Low-E Insulated Glass, Add	*183.87*	
08 52 16 00-0554	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,135.41	92.13
		For Tempered Low-E Insulated Glass, Add	*190.23*	
08 52 16 00-0555	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,378.35	94.98
		For Tempered Low-E Insulated Glass, Add	*237.68*	
08 52 16 00-0556	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,434.65	97.12
		For Tempered Low-E Insulated Glass, Add	*248.08*	
08 52 16 00-0557	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,493.51	99.99
		For Tempered Low-E Insulated Glass, Add	*258.71*	
08 52 16 00-0558		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0559		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0560	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,038.45	69.99
		For Tempered Low-E Insulated Glass, Add	*179.70*	
08 52 16 00-0561	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,182.32	75.70
		For Tempered Low-E Insulated Glass, Add	*206.18*	
08 52 16 00-0562	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,349.20	81.42
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-0563		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0564	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,121.78	72.84
		For Tempered Low-E Insulated Glass, Add	*195.22*	
08 52 16 00-0565	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,265.64	78.56
		For Tempered Low-E Insulated Glass, Add	*221.70*	
08 52 16 00-0566	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,432.53	84.27
		For Tempered Low-E Insulated Glass, Add	*252.80*	
08 52 16 00-0567		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0568	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,111.37	72.84
		For Tempered Low-E Insulated Glass, Add	*193.14*	
08 52 16 00-0569	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,258.32	78.56
		For Tempered Low-E Insulated Glass, Add	*220.53*	
08 52 16 00-0570	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,411.60	84.27
		For Tempered Low-E Insulated Glass, Add	*248.90*	
08 52 16 00-0571	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,589.31	89.27
		For Tempered Low-E Insulated Glass, Add	*282.15*	
08 52 16 00-0572	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,708.25	93.55
		For Tempered Low-E Insulated Glass, Add	*304.23*	
08 52 16 00-0573	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,906.65	99.99
		For Tempered Low-E Insulated Glass, Add	*341.34*	
08 52 16 00-0574		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0575	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,213.89	76.41
		For Tempered Low-E Insulated Glass, Add	*212.21*	
08 52 16 00-0576	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,360.84	81.42
		For Tempered Low-E Insulated Glass, Add	*239.60*	
08 52 16 00-0577	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,514.11	87.13
		For Tempered Low-E Insulated Glass, Add	*267.97*	
08 52 16 00-0578	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,691.83	92.84
		For Tempered Low-E Insulated Glass, Add	*301.23*	
08 52 16 00-0579	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,823.74	97.12
		For Tempered Low-E Insulated Glass, Add	*325.90*	
08 52 16 00-0580	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,383.33	103.56
		For Tempered Low-E Insulated Glass, Add	*435.25*	
08 52 16 00-0581		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0582	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,364.71	82.13
		For Tempered Low-E Insulated Glass, Add	*240.09*	
08 52 16 00-0583	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,514.11	87.13
		For Tempered Low-E Insulated Glass, Add	*267.97*	
08 52 16 00-0584	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,667.37	92.84
		For Tempered Low-E Insulated Glass, Add	*296.34*	
08 52 16 00-0585	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,845.10	98.55
		For Tempered Low-E Insulated Glass, Add	*329.60*	
08 52 16 00-0586	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,971.37	102.84
		For Tempered Low-E Insulated Glass, Add	*353.14*	
08 52 16 00-0587	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,162.44	109.27
		For Tempered Low-E Insulated Glass, Add	*388.78*	
08 52 16 00-0588		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0589	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,465.80	84.99
		For Tempered Low-E Insulated Glass, Add	*259.17*	
08 52 16 00-0590	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,612.75	89.98
		For Tempered Low-E Insulated Glass, Add	*286.56*	
08 52 16 00-0591	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,751.50	95.70
		For Tempered Low-E Insulated Glass, Add	*312.02*	
08 52 16 00-0592	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,943.74	101.42
		For Tempered Low-E Insulated Glass, Add	*348.18*	
08 52 16 00-0593	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,076.15	105.70
		For Tempered Low-E Insulated Glass, Add	*372.95*	
08 52 16 00-0594	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,263.53	112.12
		For Tempered Low-E Insulated Glass, Add	*407.86*	
08 52 16 00-0595		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0596	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,615.20	89.98
		For Tempered Low-E Insulated Glass, Add	*287.05*	
08 52 16 00-0597	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,762.15	95.70
		For Tempered Low-E Insulated Glass, Add	*314.44*	
08 52 16 00-0598	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,915.41	101.42
		For Tempered Low-E Insulated Glass, Add	*342.80*	

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08 52 16 00-0599	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,093.15	106.41
		For Tempered Low-E Insulated Glass, Add	*376.06*	
08 52 16 00-0600	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,225.53	110.70
		For Tempered Low-E Insulated Glass, Add	*400.83*	
08 52 16 00-0601	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,410.48	117.12
		For Tempered Low-E Insulated Glass, Add	*435.25*	
08 52 16 00-0602		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0603	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,717.72	93.55
		For Tempered Low-E Insulated Glass, Add	*306.12*	
08 52 16 00-0604	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,864.66	98.55
		For Tempered Low-E Insulated Glass, Add	*333.51*	
08 52 16 00-0605	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,020.38	104.27
		For Tempered Low-E Insulated Glass, Add	*362.37*	
08 52 16 00-0606	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,198.10	109.98
		For Tempered Low-E Insulated Glass, Add	*395.63*	
08 52 16 00-0607		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0558)*		
08 52 16 00-0608	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,867.11	98.55
		For Tempered Low-E Insulated Glass, Add	*334.00*	
08 52 16 00-0609	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,014.05	104.27
		For Tempered Low-E Insulated Glass, Add	*361.39*	
08 52 16 00-0610	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,167.33	109.98
		For Tempered Low-E Insulated Glass, Add	*389.76*	
08 52 16 00-0611	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,345.05	114.98
		For Tempered Low-E Insulated Glass, Add	*423.02*	
08 52 16 00-0612		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0496)*		
08 52 16 00-0613		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0614	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,660.00	92.13
		For Tempered Low-E Insulated Glass, Add	*295.15*	
08 52 16 00-0615	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,929.53	101.42
		For Tempered Low-E Insulated Glass, Add	*345.34*	
08 52 16 00-0616		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0617	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,758.96	94.98
		For Tempered Low-E Insulated Glass, Add	*313.80*	
08 52 16 00-0618	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,013.97	104.27
		For Tempered Low-E Insulated Glass, Add	*361.09*	
08 52 16 00-0619		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0620	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.32	92.84
		For Tempered Low-E Insulated Glass, Add	*301.33*	
08 52 16 00-0621	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,911.54	99.99
		For Tempered Low-E Insulated Glass, Add	*342.31*	
08 52 16 00-0622	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,182.00	109.98
		For Tempered Low-E Insulated Glass, Add	*392.69*	
08 52 16 00-0623		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0624	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,789.87	97.12
		For Tempered Low-E Insulated Glass, Add	*319.41*	
08 52 16 00-0625	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,016.50	103.56
		For Tempered Low-E Insulated Glass, Add	*361.88*	
08 52 16 00-0626	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,284.51	112.84
		For Tempered Low-E Insulated Glass, Add	*411.77*	

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08 52 16 00-0627		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0628	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,167.33	109.27
		For Tempered Low-E Insulated Glass, Add	*389.76*	
08 52 16 00-0629	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,435.35	118.55
		For Tempered Low-E Insulated Glass, Add	*439.65*	
08 52 16 00-0630		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0631	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,268.42	112.12
		For Tempered Low-E Insulated Glass, Add	*408.83*	
08 52 16 00-0632	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,536.43	121.41
		For Tempered Low-E Insulated Glass, Add	*458.72*	
08 52 16 00-0633		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0612)*		
08 52 16 00-0634	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,415.37	117.12
		For Tempered Low-E Insulated Glass, Add	*436.22*	
08 52 16 00-0635	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,685.83	127.12
		For Tempered Low-E Insulated Glass, Add	*486.60*	
08 52 16 00-0636		Awning Wood Clad Windows *(08 52 16)* Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0637		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0636)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0638		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0637)*		
08 52 16 00-0639		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*		
08 52 16 00-0640	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	525.79	58.57
		For Tempered Clear Insulated Glass, Add	*81.73*	
08 52 16 00-0641	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	562.81	61.42
		For Tempered Clear Insulated Glass, Add	*87.99*	
08 52 16 00-0642	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	593.10	63.56
		For Tempered Clear Insulated Glass, Add	*93.20*	
08 52 16 00-0643	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	631.51	66.42
		For Tempered Clear Insulated Glass, Add	*99.73*	
08 52 16 00-0644	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	675.81	69.99
		For Tempered Clear Insulated Glass, Add	*107.17*	
08 52 16 00-0645	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	743.99	75.70
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0646	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	786.87	78.56
		For Tempered Clear Insulated Glass, Add	*125.95*	
08 52 16 00-0647	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	849.69	84.27
		For Tempered Clear Insulated Glass, Add	*136.51*	
08 52 16 00-0648	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	873.57	87.13
		For Tempered Clear Insulated Glass, Add	*139.86*	
08 52 16 00-0649	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	935.72	92.13
		For Tempered Clear Insulated Glass, Add	*150.29*	
08 52 16 00-0650		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*		
08 52 16 00-0651	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	554.52	61.42
		For Tempered Clear Insulated Glass, Add	*86.62*	
08 52 16 00-0652	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	594.48	64.28
		For Tempered Clear Insulated Glass, Add	*93.47*	
08 52 16 00-0653	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	620.62	65.70
		For Tempered Clear Insulated Glass, Add	*97.84*	
08 52 16 00-0654	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	663.18	68.56
		For Tempered Clear Insulated Glass, Add	*105.21*	
08 52 16 00-0655	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	707.50	72.84
		For Tempered Clear Insulated Glass, Add	*112.65*	
08 52 16 00-0656	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	773.70	77.85
		For Tempered Clear Insulated Glass, Add	*123.60*	
08 52 16 00-0657	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	816.58	81.42
		For Tempered Clear Insulated Glass, Add	*131.04*	
08 52 16 00-0658	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	881.36	85.70
		For Tempered Clear Insulated Glass, Add	*141.99*	
08 52 16 00-0659	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	902.96	89.98
		For Tempered Clear Insulated Glass, Add	*144.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0660	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	967.05	94.27
		For Tempered Clear Insulated Glass, Add	*155.70*	
08 52 16 00-0661	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,482.47	104.27
		For Tempered Clear Insulated Glass, Add	*255.07*	

08 52 16 00-0662 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0663	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	590.57	64.28
		For Tempered Clear Insulated Glass, Add	*92.69*	
08 52 16 00-0664	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	627.59	67.13
		For Tempered Clear Insulated Glass, Add	*98.95*	
08 52 16 00-0665	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	652.88	68.56
		For Tempered Clear Insulated Glass, Add	*103.15*	
08 52 16 00-0666	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	696.29	71.41
		For Tempered Clear Insulated Glass, Add	*110.69*	
08 52 16 00-0667	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	740.60	75.70
		For Tempered Clear Insulated Glass, Add	*118.12*	
08 52 16 00-0668	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	808.76	80.70
		For Tempered Clear Insulated Glass, Add	*129.47*	
08 52 16 00-0669	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	851.65	84.27
		For Tempered Clear Insulated Glass, Add	*136.91*	
08 52 16 00-0670	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	916.42	88.56
		For Tempered Clear Insulated Glass, Add	*147.86*	
08 52 16 00-0671	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	935.72	92.84
		For Tempered Clear Insulated Glass, Add	*150.29*	
08 52 16 00-0672	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	997.81	97.12
		For Tempered Clear Insulated Glass, Add	*160.71*	
08 52 16 00-0673	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,559.55	107.13
		For Tempered Clear Insulated Glass, Add	*269.34*	

08 52 16 00-0674 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0675	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	590.42	67.13
		For Tempered Clear Insulated Glass, Add	*91.52*	
08 52 16 00-0676	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	647.00	69.99
		For Tempered Clear Insulated Glass, Add	*101.69*	
08 52 16 00-0677	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	683.48	71.41
		For Tempered Clear Insulated Glass, Add	*108.13*	
08 52 16 00-0678	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	750.91	74.27
		For Tempered Clear Insulated Glass, Add	*120.47*	
08 52 16 00-0679	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	818.70	78.56
		For Tempered Clear Insulated Glass, Add	*132.60*	
08 52 16 00-0680	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	918.17	83.56
		For Tempered Clear Insulated Glass, Add	*150.21*	
08 52 16 00-0681	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	982.57	87.13
		For Tempered Clear Insulated Glass, Add	*161.95*	
08 52 16 00-0682	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,080.60	91.41
		For Tempered Clear Insulated Glass, Add	*179.56*	
08 52 16 00-0683	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,117.22	95.70
		For Tempered Clear Insulated Glass, Add	*185.45*	
08 52 16 00-0684	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,212.21	99.99
		For Tempered Clear Insulated Glass, Add	*202.45*	
08 52 16 00-0685	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,601.91	109.98
		For Tempered Clear Insulated Glass, Add	*276.67*	

08 52 16 00-0686 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0638)*

08 52 16 00-0687	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	683.48	71.41
		For Tempered Clear Insulated Glass, Add	*108.13*	
08 52 16 00-0688	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	722.61	73.56
		For Tempered Clear Insulated Glass, Add	*115.10*	
08 52 16 00-0689	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	776.44	76.41
		For Tempered Clear Insulated Glass, Add	*124.72*	
08 52 16 00-0690	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	836.67	79.99
		For Tempered Clear Insulated Glass, Add	*135.34*	
08 52 16 00-0691	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	924.43	85.70
		For Tempered Clear Insulated Glass, Add	*150.61*	
08 52 16 00-0692	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	984.89	88.56
		For Tempered Clear Insulated Glass, Add	*161.56*	
08 52 16 00-0693	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,071.23	94.27
		For Tempered Clear Insulated Glass, Add	*176.82*	
08 52 16 00-0694	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,131.47	97.12
		For Tempered Clear Insulated Glass, Add	*187.44*	
08 52 16 00-0695	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,219.44	102.13
		For Tempered Clear Insulated Glass, Add	*203.04*	
08 52 16 00-0696	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,707.08	111.41
		For Tempered Clear Insulated Glass, Add	*296.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0697		**35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		
08 52 16 00-0698	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	776.44	76.41
		For Tempered Clear Insulated Glass, Add	*124.72*	
08 52 16 00-0699	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	852.85	79.28
		For Tempered Clear Insulated Glass, Add	*138.86*	
08 52 16 00-0700	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	920.65	82.85
		For Tempered Clear Insulated Glass, Add	*150.99*	
08 52 16 00-0701	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,020.11	88.56
		For Tempered Clear Insulated Glass, Add	*168.60*	
08 52 16 00-0702	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,086.47	91.41
		For Tempered Clear Insulated Glass, Add	*180.73*	
08 52 16 00-0703	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,182.56	97.12
		For Tempered Clear Insulated Glass, Add	*197.95*	
08 52 16 00-0704	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,036.43	99.99
		For Tempered Clear Insulated Glass, Add	*167.29*	
08 52 16 00-0705	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,112.11	104.99
		For Tempered Clear Insulated Glass, Add	*180.43*	
08 52 16 00-0706		**40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		
08 52 16 00-0707	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	908.91	82.85
		For Tempered Clear Insulated Glass, Add	*148.64*	
08 52 16 00-0708	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,021.70	87.13
		For Tempered Clear Insulated Glass, Add	*169.77*	
08 52 16 00-0709		**48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		
08 52 16 00-0710	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,078.80	88.56
		For Tempered Clear Insulated Glass, Add	*180.34*	
08 52 16 00-0711	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,193.55	92.84
		For Tempered Clear Insulated Glass, Add	*201.86*	
08 52 16 00-0712	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,361.49	97.84
		For Tempered Clear Insulated Glass, Add	*233.16*	
08 52 16 00-0713		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		
08 52 16 00-0714	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,332.79	96.41
		For Tempered Clear Insulated Glass, Add	*227.99*	
08 52 16 00-0715	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,433.36	99.99
		For Tempered Clear Insulated Glass, Add	*246.68*	
08 52 16 00-0716		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0638)*		
08 52 16 00-0717	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,455.69	97.12
		For Tempered Clear Insulated Glass, Add	*252.29*	
08 52 16 00-0718	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,507.06	104.99
		For Tempered Clear Insulated Glass, Add	*259.42*	
08 52 16 00-0719	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,666.21	108.55
		For Tempered Clear Insulated Glass, Add	*289.82*	
08 52 16 00-0720	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,829.26	114.27
		For Tempered Clear Insulated Glass, Add	*320.15*	
08 52 16 00-0721		**Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0637)*		
08 52 16 00-0722		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0721)*		
08 52 16 00-0723	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	465.14	58.57
		For Tempered Clear Insulated Glass, Add	*69.60*	
08 52 16 00-0724	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	500.21	61.42
		For Tempered Clear Insulated Glass, Add	*75.47*	
08 52 16 00-0725	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	523.41	63.56
		For Tempered Clear Insulated Glass, Add	*79.26*	
08 52 16 00-0726	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	561.08	66.42
		For Tempered Clear Insulated Glass, Add	*85.65*	
08 52 16 00-0727	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	601.47	69.99
		For Tempered Clear Insulated Glass, Add	*92.30*	
08 52 16 00-0728	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	663.77	75.70
		For Tempered Clear Insulated Glass, Add	*102.47*	
08 52 16 00-0729	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	700.79	78.56
		For Tempered Clear Insulated Glass, Add	*108.73*	
08 52 16 00-0730	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	759.70	84.27
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0731	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	800.10	87.13
		For Tempered Clear Insulated Glass, Add	*125.17*	
08 52 16 00-0732	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	859.00	92.13
		For Tempered Clear Insulated Glass, Add	*134.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0733		**20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0721)*		
08 52 16 00-0734	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	492.91	61.42
		For Tempered Clear Insulated Glass, Add	*74.30*	
08 52 16 00-0735	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	527.97	64.28
		For Tempered Clear Insulated Glass, Add	*80.17*	
08 52 16 00-0736	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	549.27	65.70
		For Tempered Clear Insulated Glass, Add	*83.57*	
08 52 16 00-0737	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	590.79	68.56
		For Tempered Clear Insulated Glass, Add	*90.73*	
08 52 16 00-0738	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	631.20	72.84
		For Tempered Clear Insulated Glass, Add	*97.39*	
08 52 16 00-0739	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	691.53	77.85
		For Tempered Clear Insulated Glass, Add	*107.17*	
08 52 16 00-0740	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	730.50	81.42
		For Tempered Clear Insulated Glass, Add	*113.82*	
08 52 16 00-0741	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	787.45	85.70
		For Tempered Clear Insulated Glass, Add	*123.21*	
08 52 16 00-0742	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	829.81	89.98
		For Tempered Clear Insulated Glass, Add	*130.25*	
08 52 16 00-0743	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	886.76	94.27
		For Tempered Clear Insulated Glass, Add	*139.64*	
08 52 16 00-0744		**24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0721)*		
08 52 16 00-0745	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	524.05	64.28
		For Tempered Clear Insulated Glass, Add	*79.39*	
08 52 16 00-0746	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	559.12	67.13
		For Tempered Clear Insulated Glass, Add	*85.26*	
08 52 16 00-0747	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	578.21	68.56
		For Tempered Clear Insulated Glass, Add	*88.22*	
08 52 16 00-0748	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	619.99	71.41
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0749	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	660.39	75.70
		For Tempered Clear Insulated Glass, Add	*102.08*	
08 52 16 00-0750	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	720.72	80.70
		For Tempered Clear Insulated Glass, Add	*111.86*	
08 52 16 00-0751	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	759.70	84.27
		For Tempered Clear Insulated Glass, Add	*118.52*	
08 52 16 00-0752	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	818.60	88.56
		For Tempered Clear Insulated Glass, Add	*128.30*	
08 52 16 00-0753	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	859.00	92.84
		For Tempered Clear Insulated Glass, Add	*134.95*	
08 52 16 00-0754	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	917.92	97.12
		For Tempered Clear Insulated Glass, Add	*144.73*	
08 52 16 00-0755		**28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0721)*		
08 52 16 00-0756	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	527.82	67.13
		For Tempered Clear Insulated Glass, Add	*79.00*	
08 52 16 00-0757	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	574.61	69.99
		For Tempered Clear Insulated Glass, Add	*87.21*	
08 52 16 00-0758	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	600.52	71.41
		For Tempered Clear Insulated Glass, Add	*91.54*	
08 52 16 00-0759	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	625.70	74.27
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0760	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	713.05	78.56
		For Tempered Clear Insulated Glass, Add	*111.47*	
08 52 16 00-0761	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	792.96	83.56
		For Tempered Clear Insulated Glass, Add	*125.17*	
08 52 16 00-0762	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	845.62	87.13
		For Tempered Clear Insulated Glass, Add	*134.56*	
08 52 16 00-0763	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	924.08	91.41
		For Tempered Clear Insulated Glass, Add	*148.25*	
08 52 16 00-0764	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	980.15	95.70
		For Tempered Clear Insulated Glass, Add	*158.04*	
08 52 16 00-0765	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,058.62	99.99
		For Tempered Clear Insulated Glass, Add	*171.73*	
08 52 16 00-0766		**31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0721)*		
08 52 16 00-0767	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	600.52	71.41
		For Tempered Clear Insulated Glass, Add	*91.54*	
08 52 16 00-0768	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	633.01	73.56
		For Tempered Clear Insulated Glass, Add	*97.18*	
08 52 16 00-0769	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	676.88	76.41
		For Tempered Clear Insulated Glass, Add	*104.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0770	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	727.16	79.99
		For Tempered Clear Insulated Glass, Add	*113.44*	
08 52 16 00-0771	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	799.98	85.70
		For Tempered Clear Insulated Glass, Add	*125.72*	
08 52 16 00-0772	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	848.83	88.56
		For Tempered Clear Insulated Glass, Add	*134.34*	
08 52 16 00-0773	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	920.24	94.27
		For Tempered Clear Insulated Glass, Add	*146.62*	
08 52 16 00-0774	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	968.86	97.12
		For Tempered Clear Insulated Glass, Add	*154.92*	
08 52 16 00-0775	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,040.24	102.13
		For Tempered Clear Insulated Glass, Add	*167.20*	

08 52 16 00-0776 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0721)*

08 52 16 00-0777	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	676.88	76.41
		For Tempered Clear Insulated Glass, Add	*104.81*	
08 52 16 00-0778	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	741.33	79.28
		For Tempered Clear Insulated Glass, Add	*116.56*	
08 52 16 00-0779	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	795.44	82.85
		For Tempered Clear Insulated Glass, Add	*125.95*	
08 52 16 00-0780	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	877.29	88.56
		For Tempered Clear Insulated Glass, Add	*140.04*	
08 52 16 00-0781	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	929.95	91.41
		For Tempered Clear Insulated Glass, Add	*149.43*	
08 52 16 00-0782	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,008.44	97.12
		For Tempered Clear Insulated Glass, Add	*163.12*	
08 52 16 00-0783	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,062.53	99.99
		For Tempered Clear Insulated Glass, Add	*172.51*	
08 52 16 00-0784	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,141.01	104.99
		For Tempered Clear Insulated Glass, Add	*186.21*	

08 52 16 00-0785 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0636)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0786 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0785)*

08 52 16 00-0787 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0788	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	622.63	58.57
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0789	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	667.48	61.42
		For Tempered Low-E Insulated Glass, Add	*108.93*	
08 52 16 00-0790	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	704.27	63.56
		For Tempered Low-E Insulated Glass, Add	*115.43*	
08 52 16 00-0791	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	750.85	66.42
		For Tempered Low-E Insulated Glass, Add	*123.60*	
08 52 16 00-0792	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	804.44	69.99
		For Tempered Low-E Insulated Glass, Add	*132.89*	
08 52 16 00-0793	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	886.81	75.70
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0794	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	938.98	78.56
		For Tempered Low-E Insulated Glass, Add	*156.37*	
08 52 16 00-0795	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,015.01	84.27
		For Tempered Low-E Insulated Glass, Add	*169.58*	
08 52 16 00-0796	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,043.08	87.13
		For Tempered Low-E Insulated Glass, Add	*173.76*	
08 52 16 00-0797	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,118.26	92.13
		For Tempered Low-E Insulated Glass, Add	*186.80*	

08 52 16 00-0798 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0799	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	657.48	61.42
		For Tempered Low-E Insulated Glass, Add	*107.21*	
08 52 16 00-0800	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	706.00	64.28
		For Tempered Low-E Insulated Glass, Add	*115.78*	
08 52 16 00-0801	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	737.59	65.70
		For Tempered Low-E Insulated Glass, Add	*121.24*	
08 52 16 00-0802	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	789.37	68.56
		For Tempered Low-E Insulated Glass, Add	*130.45*	
08 52 16 00-0803	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	842.98	72.84
		For Tempered Low-E Insulated Glass, Add	*139.74*	
08 52 16 00-0804	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	922.88	77.85
		For Tempered Low-E Insulated Glass, Add	*153.44*	
08 52 16 00-0805	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	975.05	81.42
		For Tempered Low-E Insulated Glass, Add	*162.73*	
08 52 16 00-0806	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,053.53	85.70
		For Tempered Low-E Insulated Glass, Add	*176.43*	
08 52 16 00-0807	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,078.75	89.98
		For Tempered Low-E Insulated Glass, Add	*180.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0808	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,156.35	94.27
		For Tempered Low-E Insulated Glass, Add	*193.56*	
08 52 16 00-0809	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,795.99	104.27
		For Tempered Low-E Insulated Glass, Add	*317.78*	

08 52 16 00-0810 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0811	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	701.11	64.28
		For Tempered Low-E Insulated Glass, Add	*114.80*	
08 52 16 00-0812	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	745.96	67.13
		For Tempered Low-E Insulated Glass, Add	*122.62*	
08 52 16 00-0813	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	776.49	68.56
		For Tempered Low-E Insulated Glass, Add	*127.87*	
08 52 16 00-0814	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	829.32	71.41
		For Tempered Low-E Insulated Glass, Add	*137.30*	
08 52 16 00-0815	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	882.93	75.70
		For Tempered Low-E Insulated Glass, Add	*146.59*	
08 52 16 00-0816	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	965.27	80.70
		For Tempered Low-E Insulated Glass, Add	*160.77*	
08 52 16 00-0817	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,017.46	84.27
		For Tempered Low-E Insulated Glass, Add	*170.07*	
08 52 16 00-0818	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,095.92	88.56
		For Tempered Low-E Insulated Glass, Add	*183.76*	
08 52 16 00-0819	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,118.26	92.84
		For Tempered Low-E Insulated Glass, Add	*186.80*	
08 52 16 00-0820	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,193.37	97.12
		For Tempered Low-E Insulated Glass, Add	*199.82*	
08 52 16 00-0821	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,890.90	107.13
		For Tempered Low-E Insulated Glass, Add	*335.61*	

08 52 16 00-0822 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0823	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	699.49	67.13
		For Tempered Low-E Insulated Glass, Add	*113.33*	
08 52 16 00-0824	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	768.79	69.99
		For Tempered Low-E Insulated Glass, Add	*126.05*	
08 52 16 00-0825	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	813.32	71.41
		For Tempered Low-E Insulated Glass, Add	*134.10*	
08 52 16 00-0826	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	896.17	74.27
		For Tempered Low-E Insulated Glass, Add	*149.52*	
08 52 16 00-0827	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	979.13	78.56
		For Tempered Low-E Insulated Glass, Add	*164.69*	
08 52 16 00-0828	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,100.60	83.56
		For Tempered Low-E Insulated Glass, Add	*186.70*	
08 52 16 00-0829	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,179.68	87.13
		For Tempered Low-E Insulated Glass, Add	*201.37*	
08 52 16 00-0830	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,299.72	91.41
		For Tempered Low-E Insulated Glass, Add	*223.38*	
08 52 16 00-0831	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,343.71	95.70
		For Tempered Low-E Insulated Glass, Add	*230.75*	
08 52 16 00-0832	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,672.93	99.99
		For Tempered Low-E Insulated Glass, Add	*294.59*	
08 52 16 00-0833	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,942.43	109.98
		For Tempered Low-E Insulated Glass, Add	*344.78*	

08 52 16 00-0834 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*

08 52 16 00-0835	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	813.32	71.41
		For Tempered Low-E Insulated Glass, Add	*134.10*	
08 52 16 00-0836	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	861.16	73.56
		For Tempered Low-E Insulated Glass, Add	*142.81*	
08 52 16 00-0837	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	927.01	76.41
		For Tempered Low-E Insulated Glass, Add	*154.84*	
08 52 16 00-0838	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,000.52	79.99
		For Tempered Low-E Insulated Glass, Add	*168.11*	
08 52 16 00-0839	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,107.36	85.70
		For Tempered Low-E Insulated Glass, Add	*187.19*	
08 52 16 00-0840	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,181.51	88.56
		For Tempered Low-E Insulated Glass, Add	*200.88*	
08 52 16 00-0841	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,286.93	94.27
		For Tempered Low-E Insulated Glass, Add	*219.96*	
08 52 16 00-0842	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,360.44	97.12
		For Tempered Low-E Insulated Glass, Add	*233.24*	
08 52 16 00-0843	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,467.91	102.13
		For Tempered Low-E Insulated Glass, Add	*252.73*	
08 52 16 00-0844	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,072.82	111.41
		For Tempered Low-E Insulated Glass, Add	*370.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0845		**35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0846	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	927.01	76.41
		For Tempered Low-E Insulated Glass, Add	*154.84*	
08 52 16 00-0847	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,021.10	79.28
		For Tempered Low-E Insulated Glass, Add	*172.51*	
08 52 16 00-0848	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,104.07	82.85
		For Tempered Low-E Insulated Glass, Add	*187.68*	
08 52 16 00-0849	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,225.53	88.56
		For Tempered Low-E Insulated Glass, Add	*209.68*	
08 52 16 00-0850	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,307.06	91.41
		For Tempered Low-E Insulated Glass, Add	*224.85*	
08 52 16 00-0851	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,424.67	97.12
		For Tempered Low-E Insulated Glass, Add	*246.37*	
08 52 16 00-0852	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,240.22	99.99
		For Tempered Low-E Insulated Glass, Add	*208.05*	
08 52 16 00-0853	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,332.32	104.99
		For Tempered Low-E Insulated Glass, Add	*224.47*	
08 52 16 00-0854		**40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0855	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,082.24	82.85
		For Tempered Low-E Insulated Glass, Add	*184.74*	
08 52 16 00-0856	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,232.87	88.56
		For Tempered Low-E Insulated Glass, Add	*211.15*	
08 52 16 00-0857		**48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0858	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,298.90	88.56
		For Tempered Low-E Insulated Glass, Add	*224.36*	
08 52 16 00-0859	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,440.55	92.84
		For Tempered Low-E Insulated Glass, Add	*251.26*	
08 52 16 00-0860	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,647.62	97.84
		For Tempered Low-E Insulated Glass, Add	*290.39*	
08 52 16 00-0861		**59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0862	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,612.45	96.41
		For Tempered Low-E Insulated Glass, Add	*283.92*	
08 52 16 00-0863	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,736.39	99.99
		For Tempered Low-E Insulated Glass, Add	*307.28*	
08 52 16 00-0864		**71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0865	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,765.72	97.12
		For Tempered Low-E Insulated Glass, Add	*314.29*	
08 52 16 00-0866	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,826.01	104.99
		For Tempered Low-E Insulated Glass, Add	*323.21*	
08 52 16 00-0867	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,023.16	108.55
		For Tempered Low-E Insulated Glass, Add	*361.21*	
08 52 16 00-0868	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,224.12	114.27
		For Tempered Low-E Insulated Glass, Add	*399.12*	
08 52 16 00-0869		**Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0785)*		
08 52 16 00-0870		**17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0869)*		
08 52 16 00-0871	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	546.82	58.57
		For Tempered Low-E Insulated Glass, Add	*85.94*	
08 52 16 00-0872	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	589.23	61.42
		For Tempered Low-E Insulated Glass, Add	*93.28*	
08 52 16 00-0873	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	617.16	63.56
		For Tempered Low-E Insulated Glass, Add	*98.01*	
08 52 16 00-0874	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	662.81	66.42
		For Tempered Low-E Insulated Glass, Add	*105.99*	
08 52 16 00-0875	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	711.51	69.99
		For Tempered Low-E Insulated Glass, Add	*114.31*	
08 52 16 00-0876	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	786.54	75.70
		For Tempered Low-E Insulated Glass, Add	*127.03*	
08 52 16 00-0877	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	831.38	78.56
		For Tempered Low-E Insulated Glass, Add	*134.85*	
08 52 16 00-0878	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	902.52	84.27
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0879	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	951.23	87.13
		For Tempered Low-E Insulated Glass, Add	*155.39*	
08 52 16 00-0880	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,022.36	92.13
		For Tempered Low-E Insulated Glass, Add	*167.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0881		**20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0869)*		
08 52 16 00-0882	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	580.46	61.42
		For Tempered Low-E Insulated Glass, Add	*91.81*	
08 52 16 00-0883	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	622.85	64.28
		For Tempered Low-E Insulated Glass, Add	*99.15*	
08 52 16 00-0884	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	648.41	65.70
		For Tempered Low-E Insulated Glass, Add	*103.40*	
08 52 16 00-0885	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	698.88	68.56
		For Tempered Low-E Insulated Glass, Add	*112.35*	
08 52 16 00-0886	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	747.61	72.84
		For Tempered Low-E Insulated Glass, Add	*120.67*	
08 52 16 00-0887	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	820.16	77.85
		For Tempered Low-E Insulated Glass, Add	*132.89*	
08 52 16 00-0888	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	867.45	81.42
		For Tempered Low-E Insulated Glass, Add	*141.21*	
08 52 16 00-0889	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	936.14	85.70
		For Tempered Low-E Insulated Glass, Add	*152.95*	
08 52 16 00-0890	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	987.30	89.98
		For Tempered Low-E Insulated Glass, Add	*161.75*	
08 52 16 00-0891	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,055.99	94.27
		For Tempered Low-E Insulated Glass, Add	*173.49*	
08 52 16 00-0892		**24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0869)*		
08 52 16 00-0893	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	617.96	64.28
		For Tempered Low-E Insulated Glass, Add	*98.17*	
08 52 16 00-0894	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	660.36	67.13
		For Tempered Low-E Insulated Glass, Add	*105.50*	
08 52 16 00-0895	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	683.16	68.56
		For Tempered Low-E Insulated Glass, Add	*109.21*	
08 52 16 00-0896	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	733.95	71.41
		For Tempered Low-E Insulated Glass, Add	*118.22*	
08 52 16 00-0897	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	782.66	75.70
		For Tempered Low-E Insulated Glass, Add	*126.54*	
08 52 16 00-0898	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	855.22	80.70
		For Tempered Low-E Insulated Glass, Add	*138.76*	
08 52 16 00-0899	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	902.52	84.27
		For Tempered Low-E Insulated Glass, Add	*147.08*	
08 52 16 00-0900	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	973.64	88.56
		For Tempered Low-E Insulated Glass, Add	*159.31*	
08 52 16 00-0901	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,022.36	92.84
		For Tempered Low-E Insulated Glass, Add	*167.62*	
08 52 16 00-0902	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,093.51	97.12
		For Tempered Low-E Insulated Glass, Add	*179.85*	
08 52 16 00-0903		**28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0869)*		
08 52 16 00-0904	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	621.24	67.13
		For Tempered Low-E Insulated Glass, Add	*97.68*	
08 52 16 00-0905	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	678.30	69.99
		For Tempered Low-E Insulated Glass, Add	*107.95*	
08 52 16 00-0906	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	709.62	71.41
		For Tempered Low-E Insulated Glass, Add	*113.36*	
08 52 16 00-0907	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	739.66	74.27
		For Tempered Low-E Insulated Glass, Add	*118.22*	
08 52 16 00-0908	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	847.07	78.56
		For Tempered Low-E Insulated Glass, Add	*138.28*	
08 52 16 00-0909	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	944.09	83.56
		For Tempered Low-E Insulated Glass, Add	*155.39*	
08 52 16 00-0910	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,008.49	87.13
		For Tempered Low-E Insulated Glass, Add	*167.13*	
08 52 16 00-0911	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,104.08	91.41
		For Tempered Low-E Insulated Glass, Add	*184.25*	
08 52 16 00-0912	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,172.37	95.70
		For Tempered Low-E Insulated Glass, Add	*196.48*	
08 52 16 00-0913	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,267.96	99.99
		For Tempered Low-E Insulated Glass, Add	*213.60*	
08 52 16 00-0914		**31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0869)*		
08 52 16 00-0915	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	709.62	71.41
		For Tempered Low-E Insulated Glass, Add	*113.36*	
08 52 16 00-0916	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	749.16	73.56
		For Tempered Low-E Insulated Glass, Add	*120.41*	
08 52 16 00-0917	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	802.57	76.41
		For Tempered Low-E Insulated Glass, Add	*129.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0918	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	863.64	79.99
		For Tempered Low-E Insulated Glass, Add	*140.73*	
08 52 16 00-0919	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	951.81	85.70
		For Tempered Low-E Insulated Glass, Add	*156.08*	
08 52 16 00-0920	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,011.44	88.56
		For Tempered Low-E Insulated Glass, Add	*166.87*	
08 52 16 00-0921	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,098.19	94.27
		For Tempered Low-E Insulated Glass, Add	*182.21*	
08 52 16 00-0922	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,157.18	97.12
		For Tempered Low-E Insulated Glass, Add	*192.58*	
08 52 16 00-0923	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,243.91	102.13
		For Tempered Low-E Insulated Glass, Add	*207.93*	
08 52 16 00-0924		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0869)*		
08 52 16 00-0925	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	802.57	76.41
		For Tempered Low-E Insulated Glass, Add	*129.95*	
08 52 16 00-0926	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	881.71	79.28
		For Tempered Low-E Insulated Glass, Add	*144.63*	
08 52 16 00-0927	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	947.55	82.85
		For Tempered Low-E Insulated Glass, Add	*156.37*	
08 52 16 00-0928	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,047.01	88.56
		For Tempered Low-E Insulated Glass, Add	*173.98*	
08 52 16 00-0929	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,111.41	91.41
		For Tempered Low-E Insulated Glass, Add	*185.72*	
08 52 16 00-0930	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,207.02	97.12
		For Tempered Low-E Insulated Glass, Add	*202.84*	
08 52 16 00-0931	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,272.85	99.99
		For Tempered Low-E Insulated Glass, Add	*214.58*	
08 52 16 00-0932	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,368.44	104.99
		For Tempered Low-E Insulated Glass, Add	*231.69*	
08 52 16 00-0933		Horizontal Sliding Wood Clad Windows *(08 52 16)*		
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0934		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0935		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0936	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	652.21	75.70
		For Tempered Clear Insulated Glass, Add	*100.45*	
08 52 16 00-0937		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0938	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	600.17	69.99
		For Tempered Clear Insulated Glass, Add	*91.75*	
08 52 16 00-0939	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	701.82	79.99
		For Tempered Clear Insulated Glass, Add	*108.66*	
08 52 16 00-0940		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0941	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	701.82	79.99
		For Tempered Clear Insulated Glass, Add	*108.66*	
08 52 16 00-0942	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	803.48	88.56
		For Tempered Clear Insulated Glass, Add	*125.56*	
08 52 16 00-0943	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	905.13	96.41
		For Tempered Clear Insulated Glass, Add	*142.46*	
08 52 16 00-0944	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,006.78	104.99
		For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0945		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0934)*		
08 52 16 00-0946	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	753.86	84.27
		For Tempered Clear Insulated Glass, Add	*117.35*	
08 52 16 00-0947	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	853.09	92.84
		For Tempered Clear Insulated Glass, Add	*133.77*	
08 52 16 00-0948	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	954.74	100.70
		For Tempered Clear Insulated Glass, Add	*150.67*	
08 52 16 00-0949	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,140.91	109.27
		For Tempered Clear Insulated Glass, Add	*184.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0950		**47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0934)*		
08 52 16 00-0951	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	803.48	88.56
		For Tempered Clear Insulated Glass, Add	*125.56*	
08 52 16 00-0952	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	905.13	97.12
		For Tempered Clear Insulated Glass, Add	*142.46*	
08 52 16 00-0953	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,006.78	104.99
		For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0954	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,108.42	113.55
		For Tempered Clear Insulated Glass, Add	*176.26*	
08 52 16 00-0955		**53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0934)*		
08 52 16 00-0956	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	954.74	101.42
		For Tempered Clear Insulated Glass, Add	*150.67*	
08 52 16 00-0957	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,056.40	109.27
		For Tempered Clear Insulated Glass, Add	*167.57*	
08 52 16 00-0958	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,158.05	117.83
		For Tempered Clear Insulated Glass, Add	*184.47*	
08 52 16 00-0959		**59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0934)*		
08 52 16 00-0960	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,006.78	105.70
		For Tempered Clear Insulated Glass, Add	*159.36*	
08 52 16 00-0961	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,108.42	113.55
		For Tempered Clear Insulated Glass, Add	*176.26*	
08 52 16 00-0962	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,210.26	122.13
		For Tempered Clear Insulated Glass, Add	*193.20*	
08 52 16 00-0963		**Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0933)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0964		**22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0965	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,447.44	69.99
		For Tempered Low-E Insulated Glass, Add	*261.21*	
08 52 16 00-0966	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,722.94	79.99
		For Tempered Low-E Insulated Glass, Add	*312.88*	
08 52 16 00-0967		**35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0968	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,744.67	79.99
		For Tempered Low-E Insulated Glass, Add	*317.23*	
08 52 16 00-0969	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,022.60	88.56
		For Tempered Low-E Insulated Glass, Add	*369.38*	
08 52 16 00-0970	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,298.10	96.41
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0971	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,573.60	104.99
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0972		**41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0973	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,883.64	84.27
		For Tempered Low-E Insulated Glass, Add	*343.30*	
08 52 16 00-0974	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,159.13	92.84
		For Tempered Low-E Insulated Glass, Add	*394.98*	
08 52 16 00-0975	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,437.05	100.70
		For Tempered Low-E Insulated Glass, Add	*447.13*	
08 52 16 00-0976	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,712.56	109.27
		For Tempered Low-E Insulated Glass, Add	*498.80*	
08 52 16 00-0977		**47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0963)*		
08 52 16 00-0978	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,022.60	88.56
		For Tempered Low-E Insulated Glass, Add	*369.38*	
08 52 16 00-0979	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,298.10	97.12
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0980	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,573.60	104.99
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0981	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,851.50	113.55
		For Tempered Low-E Insulated Glass, Add	*524.88*	

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08 52 16 00-0982		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0963)*		
08 52 16 00-0983	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,298.10	97.12
		For Tempered Low-E Insulated Glass, Add	*421.05*	
08 52 16 00-0984	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,573.60	105.70
		For Tempered Low-E Insulated Glass, Add	*472.73*	
08 52 16 00-0985	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,851.50	113.55
		For Tempered Low-E Insulated Glass, Add	*524.88*	
08 52 16 00-0986	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	3,127.01	122.13
		For Tempered Low-E Insulated Glass, Add	*576.55*	
08 52 16 00-0987		Picture Wood Clad Windows *(08 52 16)*		
		Note: Picture windows are fixed windows.		
08 52 16 00-0988		Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0987)*		
08 52 16 00-0989		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0988)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0990		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-0991	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	512.70	57.14
		For Tempered Clear Insulated Glass, Add	*79.69*	
08 52 16 00-0992	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	599.61	62.85
		For Tempered Clear Insulated Glass, Add	*94.78*	
08 52 16 00-0993	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	636.91	65.70
		For Tempered Clear Insulated Glass, Add	*101.10*	
08 52 16 00-0994	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	690.78	71.41
		For Tempered Clear Insulated Glass, Add	*109.88*	
08 52 16 00-0995	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	727.77	74.27
		For Tempered Clear Insulated Glass, Add	*115.84*	
08 52 16 00-0996	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	781.64	79.99
		For Tempered Clear Insulated Glass, Add	*124.62*	
08 52 16 00-0997		35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-0998	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	569.82	69.99
		For Tempered Clear Insulated Glass, Add	*85.97*	
08 52 16 00-0999	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	658.19	74.27
		For Tempered Clear Insulated Glass, Add	*102.21*	
08 52 16 00-1000	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	788.46	79.28
		For Tempered Clear Insulated Glass, Add	*125.98*	
08 52 16 00-1001	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	873.41	82.13
		For Tempered Clear Insulated Glass, Add	*141.83*	
08 52 16 00-1002	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,000.29	87.13
		For Tempered Clear Insulated Glass, Add	*165.21*	
08 52 16 00-1003	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,088.65	90.70
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1004	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,611.70	95.70
		For Tempered Clear Insulated Glass, Add	*284.06*	
08 52 16 00-1005		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-1006	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	658.19	74.27
		For Tempered Clear Insulated Glass, Add	*102.21*	
08 52 16 00-1007	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	746.55	77.14
		For Tempered Clear Insulated Glass, Add	*118.46*	
08 52 16 00-1008	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	876.83	82.85
		For Tempered Clear Insulated Glass, Add	*142.23*	
08 52 16 00-1009	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	961.77	85.70
		For Tempered Clear Insulated Glass, Add	*158.07*	
08 52 16 00-1010	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,088.65	91.41
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1011	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.00	94.27
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1012	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,303.88	99.99
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1013		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*		
08 52 16 00-1014	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	788.46	79.99
		For Tempered Clear Insulated Glass, Add	*125.98*	
08 52 16 00-1015	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	876.83	82.85
		For Tempered Clear Insulated Glass, Add	*142.23*	

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08 52 16 00-1016	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,007.10	88.56
		For Tempered Clear Insulated Glass, Add	*166.00*	
08 52 16 00-1017	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,092.05	91.41
		For Tempered Clear Insulated Glass, Add	*181.85*	
08 52 16 00-1018	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,218.93	97.12
		For Tempered Clear Insulated Glass, Add	*205.22*	
08 52 16 00-1019	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,307.29	99.99
		For Tempered Clear Insulated Glass, Add	*221.46*	
08 52 16 00-1020	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,434.16	105.70
		For Tempered Clear Insulated Glass, Add	*244.84*	

08 52 16 00-1021 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1022	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	873.41	82.85
		For Tempered Clear Insulated Glass, Add	*141.83*	
08 52 16 00-1023	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	961.77	85.70
		For Tempered Clear Insulated Glass, Add	*158.07*	
08 52 16 00-1024	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,092.05	91.41
		For Tempered Clear Insulated Glass, Add	*181.85*	
08 52 16 00-1025	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.00	94.27
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1026	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,303.88	99.99
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1027	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,392.23	102.84
		For Tempered Clear Insulated Glass, Add	*237.31*	
08 52 16 00-1028	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,635.98	108.55
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1029 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1030	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,000.29	87.13
		For Tempered Clear Insulated Glass, Add	*165.21*	
08 52 16 00-1031	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,088.65	91.41
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1032	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,218.93	96.41
		For Tempered Clear Insulated Glass, Add	*205.22*	
08 52 16 00-1033	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,303.88	99.27
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1034	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,430.75	104.27
		For Tempered Clear Insulated Glass, Add	*244.44*	
08 52 16 00-1035	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,519.10	107.84
		For Tempered Clear Insulated Glass, Add	*260.68*	
08 52 16 00-1036	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,645.97	112.84
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1037 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1038	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,088.65	91.41
		For Tempered Clear Insulated Glass, Add	*181.45*	
08 52 16 00-1039	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,177.00	94.27
		For Tempered Clear Insulated Glass, Add	*197.69*	
08 52 16 00-1040	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,307.29	99.99
		For Tempered Clear Insulated Glass, Add	*221.46*	
08 52 16 00-1041	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,392.23	102.84
		For Tempered Clear Insulated Glass, Add	*237.31*	
08 52 16 00-1042	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,635.98	108.55
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1043 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0989)*

08 52 16 00-1044	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,215.52	95.70
		For Tempered Clear Insulated Glass, Add	*204.82*	
08 52 16 00-1045	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,303.88	99.99
		For Tempered Clear Insulated Glass, Add	*221.07*	
08 52 16 00-1046	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,434.16	104.99
		For Tempered Clear Insulated Glass, Add	*244.84*	
08 52 16 00-1047	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,519.10	107.84
		For Tempered Clear Insulated Glass, Add	*260.68*	
08 52 16 00-1048	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,645.97	112.84
		For Tempered Clear Insulated Glass, Add	*284.06*	

08 52 16 00-1049 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0988)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1050		**12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1051	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	606.16	57.14
		For Tempered Low-E Insulated Glass, Add	*98.38*	
08 52 16 00-1052	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	710.77	62.85
		For Tempered Low-E Insulated Glass, Add	*117.01*	
08 52 16 00-1053	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	755.49	65.70
		For Tempered Low-E Insulated Glass, Add	*124.82*	
08 52 16 00-1054	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	819.65	71.41
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-1055	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	863.64	74.27
		For Tempered Low-E Insulated Glass, Add	*143.02*	
08 52 16 00-1056	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	927.80	79.99
		For Tempered Low-E Insulated Glass, Add	*153.85*	
08 52 16 00-1057		**35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1058	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	670.65	69.99
		For Tempered Low-E Insulated Glass, Add	*106.14*	
08 52 16 00-1059	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	778.07	74.27
		For Tempered Low-E Insulated Glass, Add	*126.19*	
08 52 16 00-1060	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.22	79.28
		For Tempered Low-E Insulated Glass, Add	*155.54*	
08 52 16 00-1061	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,039.75	82.13
		For Tempered Low-E Insulated Glass, Add	*175.10*	
08 52 16 00-1062	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,194.05	87.13
		For Tempered Low-E Insulated Glass, Add	*203.96*	
08 52 16 00-1063	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.46	90.70
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1064	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,944.85	95.70
		For Tempered Low-E Insulated Glass, Add	*350.69*	
08 52 16 00-1065		**40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1066	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	778.07	74.27
		For Tempered Low-E Insulated Glass, Add	*126.19*	
08 52 16 00-1067	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	885.48	77.14
		For Tempered Low-E Insulated Glass, Add	*146.24*	
08 52 16 00-1068	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,043.64	82.85
		For Tempered Low-E Insulated Glass, Add	*175.59*	
08 52 16 00-1069	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,147.17	85.70
		For Tempered Low-E Insulated Glass, Add	*195.15*	
08 52 16 00-1070	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.46	91.41
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1071	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,408.86	94.27
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1072	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.15	99.99
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1073		**48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1074	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	936.22	79.99
		For Tempered Low-E Insulated Glass, Add	*155.54*	
08 52 16 00-1075	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,043.64	82.85
		For Tempered Low-E Insulated Glass, Add	*175.59*	
08 52 16 00-1076	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,201.79	88.56
		For Tempered Low-E Insulated Glass, Add	*204.94*	
08 52 16 00-1077	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,305.32	91.41
		For Tempered Low-E Insulated Glass, Add	*224.50*	
08 52 16 00-1078	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,459.62	97.12
		For Tempered Low-E Insulated Glass, Add	*253.36*	
08 52 16 00-1079	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,567.03	99.99
		For Tempered Low-E Insulated Glass, Add	*273.41*	
08 52 16 00-1080	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,721.31	105.70
		For Tempered Low-E Insulated Glass, Add	*302.27*	
08 52 16 00-1081		**52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-1049)*		
08 52 16 00-1082	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,039.75	82.85
		For Tempered Low-E Insulated Glass, Add	*175.10*	
08 52 16 00-1083	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,147.17	85.70
		For Tempered Low-E Insulated Glass, Add	*195.15*	
08 52 16 00-1084	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,305.32	91.41
		For Tempered Low-E Insulated Glass, Add	*224.50*	
08 52 16 00-1085	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,408.86	94.27
		For Tempered Low-E Insulated Glass, Add	*244.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1086	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.15	99.99
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1087	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,670.56	102.84
		For Tempered Low-E Insulated Glass, Add	*292.98*	
08 52 16 00-1088	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,969.13	108.55
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1089 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1090	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,194.05	87.13
		For Tempered Low-E Insulated Glass, Add	*203.96*	
08 52 16 00-1091	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.46	91.41
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1092	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,459.62	96.41
		For Tempered Low-E Insulated Glass, Add	*253.36*	
08 52 16 00-1093	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.15	99.27
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1094	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,717.44	104.27
		For Tempered Low-E Insulated Glass, Add	*301.78*	
08 52 16 00-1095	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,824.85	107.84
		For Tempered Low-E Insulated Glass, Add	*321.83*	
08 52 16 00-1096	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,979.12	112.84
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1097 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1098	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,301.46	91.41
		For Tempered Low-E Insulated Glass, Add	*224.01*	
08 52 16 00-1099	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,408.86	94.27
		For Tempered Low-E Insulated Glass, Add	*244.06*	
08 52 16 00-1100	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,567.03	99.99
		For Tempered Low-E Insulated Glass, Add	*273.41*	
08 52 16 00-1101	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,670.56	102.84
		For Tempered Low-E Insulated Glass, Add	*292.98*	
08 52 16 00-1102	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,969.13	108.55
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1103 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-1049)*

08 52 16 00-1104	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,455.74	95.70
		For Tempered Low-E Insulated Glass, Add	*252.87*	
08 52 16 00-1105	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,563.15	99.99
		For Tempered Low-E Insulated Glass, Add	*272.92*	
08 52 16 00-1106	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,721.31	104.99
		For Tempered Low-E Insulated Glass, Add	*302.27*	
08 52 16 00-1107	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,824.85	107.84
		For Tempered Low-E Insulated Glass, Add	*321.83*	
08 52 16 00-1108	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,979.12	112.84
		For Tempered Low-E Insulated Glass, Add	*350.69*	

08 52 16 00-1109 Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0987)*

08 52 16 00-1110 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1109)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-1111 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*

08 52 16 00-1112	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	731.11	89.27
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1113	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	750.56	91.41
		For Tempered Clear Insulated Glass, Add	*113.55*	

08 52 16 00-1114 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*

08 52 16 00-1115	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	750.56	91.41
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1116	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	910.53	108.55
		For Tempered Clear Insulated Glass, Add	*138.68*	

08 52 16 00-1117 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-1110)*

08 52 16 00-1118	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	852.16	102.13
		For Tempered Clear Insulated Glass, Add	*129.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1119	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	871.62	104.27
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1120		**56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1121	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	731.11	89.98
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1122	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	852.16	102.13
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1123		**59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1124	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	750.56	91.41
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1125	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	871.62	104.27
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1126	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	910.53	108.55
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1127	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	951.59	112.84
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1128		**65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1129	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	951.59	112.84
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1130		**71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)** *(08 52 16 00-1110)*		
08 52 16 00-1131	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	910.53	108.55
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1132		**Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1109)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1133		**48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1134	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	812.51	67.13
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-1135	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,134.26	85.70
		For Tempered Low-E Insulated Glass, Add	*192.86*	
08 52 16 00-1136	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,183.31	87.84
		For Tempered Low-E Insulated Glass, Add	*201.52*	
08 52 16 00-1137	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,256.88	92.13
		For Tempered Low-E Insulated Glass, Add	*214.53*	
08 52 16 00-1138	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.94	95.70
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 16 00-1139	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,406.21	100.70
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1140	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.49	107.13
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1141		**52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		
08 52 16 00-1142	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	863.73	69.99
		For Tempered Low-E Insulated Glass, Add	*144.75*	
08 52 16 00-1143	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,183.31	88.56
		For Tempered Low-E Insulated Glass, Add	*201.52*	
08 52 16 00-1144	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,234.53	90.70
		For Tempered Low-E Insulated Glass, Add	*210.63*	
08 52 16 00-1145	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,305.94	94.98
		For Tempered Low-E Insulated Glass, Add	*223.19*	
08 52 16 00-1146	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,357.16	98.55
		For Tempered Low-E Insulated Glass, Add	*232.30*	
08 52 16 00-1147	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.42	103.56
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1148	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,557.71	109.98
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1149		**56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)** *(08 52 16 00-1132)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1150	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	912.78	72.84
		For Tempered Low-E Insulated Glass, Add	*153.42*	
08 52 16 00-1151	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,234.53	91.41
		For Tempered Low-E Insulated Glass, Add	*210.63*	
08 52 16 00-1152	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,283.59	93.55
		For Tempered Low-E Insulated Glass, Add	*219.29*	
08 52 16 00-1153	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,357.16	97.84
		For Tempered Low-E Insulated Glass, Add	*232.30*	
08 52 16 00-1154	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,406.21	101.42
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1155	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.49	106.41
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1156	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,608.92	112.84
		For Tempered Low-E Insulated Glass, Add	*276.93*	

08 52 16 00-1157 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1158	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	964.01	75.70
		For Tempered Low-E Insulated Glass, Add	*162.52*	
08 52 16 00-1159	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,283.59	94.27
		For Tempered Low-E Insulated Glass, Add	*219.29*	
08 52 16 00-1160	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,334.80	96.41
		For Tempered Low-E Insulated Glass, Add	*228.39*	
08 52 16 00-1161	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,406.21	100.70
		For Tempered Low-E Insulated Glass, Add	*240.96*	
08 52 16 00-1162	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.42	104.27
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1163	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,557.71	109.27
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1164	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,657.97	115.69
		For Tempered Low-E Insulated Glass, Add	*285.60*	

08 52 16 00-1165 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1166	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,013.06	78.56
		For Tempered Low-E Insulated Glass, Add	*171.19*	
08 52 16 00-1167	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,334.80	97.12
		For Tempered Low-E Insulated Glass, Add	*228.39*	
08 52 16 00-1168	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,386.02	99.27
		For Tempered Low-E Insulated Glass, Add	*237.50*	
08 52 16 00-1169	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,457.42	103.56
		For Tempered Low-E Insulated Glass, Add	*250.06*	
08 52 16 00-1170	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.49	107.13
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1171	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,608.92	112.12
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1172	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,709.20	118.55
		For Tempered Low-E Insulated Glass, Add	*294.70*	

08 52 16 00-1173 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1174	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,064.27	81.42
		For Tempered Low-E Insulated Glass, Add	*180.29*	
08 52 16 00-1175	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,386.02	99.99
		For Tempered Low-E Insulated Glass, Add	*237.50*	
08 52 16 00-1176	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,435.07	102.13
		For Tempered Low-E Insulated Glass, Add	*246.16*	
08 52 16 00-1177	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,506.49	106.41
		For Tempered Low-E Insulated Glass, Add	*258.73*	
08 52 16 00-1178	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,557.71	109.98
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1179	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,657.97	114.98
		For Tempered Low-E Insulated Glass, Add	*285.60*	
08 52 16 00-1180	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,758.24	121.41
		For Tempered Low-E Insulated Glass, Add	*303.37*	

08 52 16 00-1181 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*

08 52 16 00-1182	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,113.33	84.27
		For Tempered Low-E Insulated Glass, Add	*188.96*	
08 52 16 00-1183	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,435.07	102.84
		For Tempered Low-E Insulated Glass, Add	*246.16*	
08 52 16 00-1184	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,486.29	104.99
		For Tempered Low-E Insulated Glass, Add	*255.26*	
08 52 16 00-1185	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,557.71	109.27
		For Tempered Low-E Insulated Glass, Add	*267.83*	
08 52 16 00-1186	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,608.92	112.84
		For Tempered Low-E Insulated Glass, Add	*276.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1187	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,709.20	117.83
		For Tempered Low-E Insulated Glass, Add	*294.70*	
08 52 16 00-1188	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,809.46	124.27
		For Tempered Low-E Insulated Glass, Add	*312.47*	
08 52 16 00-1189		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-1132)*		
08 52 16 00-1190	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,164.55	87.13
		For Tempered Low-E Insulated Glass, Add	*198.06*	
08 52 16 00-1191	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,486.29	105.70
		For Tempered Low-E Insulated Glass, Add	*255.26*	
08 52 16 00-1192	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,535.34	107.84
		For Tempered Low-E Insulated Glass, Add	*263.93*	
08 52 16 00-1193	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,608.92	112.12
		For Tempered Low-E Insulated Glass, Add	*276.93*	
08 52 16 00-1194	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,657.97	115.69
		For Tempered Low-E Insulated Glass, Add	*285.60*	
08 52 16 00-1195	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,758.24	120.69
		For Tempered Low-E Insulated Glass, Add	*303.37*	
08 52 16 00-1196	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,858.52	127.12
		For Tempered Low-E Insulated Glass, Add	*321.14*	
08 52 16 00-1197		Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0987)*		
08 52 16 00-1198		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1197)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1199		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1200	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	731.11	89.27
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1201	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	750.56	91.41
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1202		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1203	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	750.56	91.41
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1204	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	910.53	108.55
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1205		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1206	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	852.16	102.13
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1207	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	871.62	104.27
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1208		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1209	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	731.11	89.98
		For Tempered Clear Insulated Glass, Add	*110.51*	
08 52 16 00-1210	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	852.16	102.13
		For Tempered Clear Insulated Glass, Add	*129.58*	
08 52 16 00-1211		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1212	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	750.56	91.41
		For Tempered Clear Insulated Glass, Add	*113.55*	
08 52 16 00-1213	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	871.62	104.27
		For Tempered Clear Insulated Glass, Add	*132.62*	
08 52 16 00-1214	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	910.53	108.55
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1215	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	951.59	112.84
		For Tempered Clear Insulated Glass, Add	*145.18*	
08 52 16 00-1216		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1217	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	951.59	112.84
		For Tempered Clear Insulated Glass, Add	*145.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1218		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1198)*		
08 52 16 00-1219	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	910.53	108.55
		For Tempered Clear Insulated Glass, Add	*138.68*	
08 52 16 00-1220		Basement Wood Clad Windows *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1221		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1220)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1222	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	387.92	57.14
08 52 16 00-1223	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	408.48	57.14
08 52 16 00-1224	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	426.56	57.14
08 52 16 00-1225		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1226		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1227	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	53.47	
08 52 16 00-1228	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	78.80	
08 52 16 00-1229	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	106.94	
08 52 16 00-1230	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	135.08	
08 52 16 00-1231	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	191.37	
08 52 16 00-1232		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1233	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	85.55	
08 52 16 00-1234	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	126.08	
08 52 16 00-1235	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	171.10	
08 52 16 00-1236	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	216.13	
08 52 16 00-1237	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	306.18	
08 52 16 00-1238		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1239	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	102.66	
08 52 16 00-1240	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	151.29	
08 52 16 00-1241	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	205.32	
08 52 16 00-1242	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	259.36	
08 52 16 00-1243	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	367.42	
08 52 16 00-1244		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1225)*		
08 52 16 00-1245	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	123.21	
08 52 16 00-1246	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	181.54	
08 52 16 00-1247	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	246.38	
08 52 16 00-1248	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	311.22	
08 52 16 00-1249	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	440.90	
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	51.68	9.59
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	60.97	9.59
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	65.61	9.59
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	74.90	9.59
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	93.47	9.59
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	102.76	9.59
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	112.04	9.59
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	121.33	9.59
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.66	0.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 Plastic Windows *(08 50)*

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001 Single Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	491.44	65.70
		For Colored Vinyl, Add	*36.00*	
		For Tinted Glass, Add	*43.20*	
		For Low-E Insulated Glass, Add	*90.01*	
		For Obscure Glass, Add	*99.01*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	517.21	68.56
		For Colored Vinyl, Add	*38.01*	
		For Tinted Glass, Add	*45.61*	
		For Low-E Insulated Glass, Add	*95.02*	
		For Obscure Glass, Add	*104.52*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	527.81	69.99
		For Colored Vinyl, Add	*38.78*	
		For Tinted Glass, Add	*46.54*	
		For Low-E Insulated Glass, Add	*96.96*	
		For Obscure Glass, Add	*106.66*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	539.44	71.41
		For Colored Vinyl, Add	*39.66*	
		For Tinted Glass, Add	*47.59*	
		For Low-E Insulated Glass, Add	*99.15*	
		For Obscure Glass, Add	*109.07*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	569.68	74.27
		For Colored Vinyl, Add	*42.11*	
		For Tinted Glass, Add	*50.54*	
		For Low-E Insulated Glass, Add	*105.28*	
		For Obscure Glass, Add	*115.81*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	618.19	79.99
		For Colored Vinyl, Add	*45.82*	
		For Tinted Glass, Add	*54.99*	
		For Low-E Insulated Glass, Add	*114.56*	
		For Obscure Glass, Add	*126.01*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	501.35	67.13
		For Colored Vinyl, Add	*36.71*	
		For Tinted Glass, Add	*44.05*	
		For Low-E Insulated Glass, Add	*91.77*	
		For Obscure Glass, Add	*100.95*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	527.13	68.56
		For Colored Vinyl, Add	*38.72*	
		For Tinted Glass, Add	*46.46*	
		For Low-E Insulated Glass, Add	*96.79*	
		For Obscure Glass, Add	*106.47*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	537.74	71.41
		For Colored Vinyl, Add	*39.49*	
		For Tinted Glass, Add	*47.39*	
		For Low-E Insulated Glass, Add	*98.73*	
		For Obscure Glass, Add	*108.60*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	549.36	72.84
		For Colored Vinyl, Add	*40.37*	
		For Tinted Glass, Add	*48.44*	
		For Low-E Insulated Glass, Add	*100.92*	
		For Obscure Glass, Add	*111.01*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	579.61	75.70
		For Colored Vinyl, Add	*42.82*	
		For Tinted Glass, Add	*51.38*	
		For Low-E Insulated Glass, Add	*107.05*	
		For Obscure Glass, Add	*117.76*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	628.11	81.42
		For Colored Vinyl, Add	*46.53*	
		For Tinted Glass, Add	*55.83*	
		For Low-E Insulated Glass, Add	*116.32*	
		For Obscure Glass, Add	*127.95*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	510.94	68.56
		For Colored Vinyl, Add	*37.38*	
		For Tinted Glass, Add	*44.86*	
		For Low-E Insulated Glass, Add	*93.46*	
		For Obscure Glass, Add	*102.80*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	536.73	71.41
		For Colored Vinyl, Add	*39.39*	
		For Tinted Glass, Add	*47.27*	
		For Low-E Insulated Glass, Add	*98.47*	
		For Obscure Glass, Add	*108.32*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	547.77	72.84
		For Colored Vinyl, Add	*40.21*	
		For Tinted Glass, Add	*48.25*	
		For Low-E Insulated Glass, Add	*100.52*	
		For Obscure Glass, Add	*110.57*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	559.39	74.27
		For Colored Vinyl, Add	*41.08*	
		For Tinted Glass, Add	*49.30*	
		For Low-E Insulated Glass, Add	*102.71*	
		For Obscure Glass, Add	*112.98*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	590.15	77.14
		For Colored Vinyl, Add	*43.59*	
		For Tinted Glass, Add	*52.31*	
		For Low-E Insulated Glass, Add	*108.97*	
		For Obscure Glass, Add	*119.87*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	639.34	82.85
		For Colored Vinyl, Add	*47.37*	
		For Tinted Glass, Add	*56.84*	
		For Low-E Insulated Glass, Add	*118.41*	
		For Obscure Glass, Add	*130.25*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	540.31	72.84
		For Colored Vinyl, Add	*39.46*	
		For Tinted Glass, Add	*47.35*	
		For Low-E Insulated Glass, Add	*98.66*	
		For Obscure Glass, Add	*108.52*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	566.10	75.70
		For Colored Vinyl, Add	*41.47*	
		For Tinted Glass, Add	*49.76*	
		For Low-E Insulated Glass, Add	*103.67*	
		For Obscure Glass, Add	*114.04*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	578.61	77.14
		For Colored Vinyl, Add	*42.44*	
		For Tinted Glass, Add	*50.92*	
		For Low-E Insulated Glass, Add	*106.09*	
		For Obscure Glass, Add	*116.70*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	590.24	78.56
		For Colored Vinyl, Add	*43.31*	
		For Tinted Glass, Add	*51.97*	
		For Low-E Insulated Glass, Add	*108.28*	
		For Obscure Glass, Add	*119.11*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	622.46	81.42
		For Colored Vinyl, Add	*45.96*	
		For Tinted Glass, Add	*55.16*	
		For Low-E Insulated Glass, Add	*114.91*	
		For Obscure Glass, Add	*126.40*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	673.51	87.13
		For Colored Vinyl, Add	*49.93*	
		For Tinted Glass, Add	*59.91*	
		For Low-E Insulated Glass, Add	*124.81*	
		For Obscure Glass, Add	*137.29*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	550.24	74.27
		For Colored Vinyl, Add	*40.17*	
		For Tinted Glass, Add	*48.20*	
		For Low-E Insulated Glass, Add	*100.42*	
		For Obscure Glass, Add	*110.46*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	576.01	77.14
		For Colored Vinyl, Add	*42.18*	
		For Tinted Glass, Add	*50.61*	
		For Low-E Insulated Glass, Add	*105.44*	
		For Obscure Glass, Add	*115.98*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	588.99	78.56
		For Colored Vinyl, Add	*43.19*	
		For Tinted Glass, Add	*51.82*	
		For Low-E Insulated Glass, Add	*107.97*	
		For Obscure Glass, Add	*118.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	600.61	79.99
		For Colored Vinyl, Add	*44.06*	
		For Tinted Glass, Add	*52.88*	
		For Low-E Insulated Glass, Add	*110.16*	
		For Obscure Glass, Add	*121.18*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	633.29	82.85
		For Colored Vinyl, Add	*46.76*	
		For Tinted Glass, Add	*56.11*	
		For Low-E Insulated Glass, Add	*116.90*	
		For Obscure Glass, Add	*128.59*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	685.01	88.56
		For Colored Vinyl, Add	*50.79*	
		For Tinted Glass, Add	*60.95*	
		For Low-E Insulated Glass, Add	*126.98*	
		For Obscure Glass, Add	*139.67*	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	560.28	75.70
		For Colored Vinyl, Add	*40.89*	
		For Tinted Glass, Add	*49.06*	
		For Low-E Insulated Glass, Add	*102.22*	
		For Obscure Glass, Add	*112.44*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	586.05	78.56
		For Colored Vinyl, Add	*42.89*	
		For Tinted Glass, Add	*51.47*	
		For Low-E Insulated Glass, Add	*107.23*	
		For Obscure Glass, Add	*117.96*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	599.47	79.99
		For Colored Vinyl, Add	*43.95*	
		For Tinted Glass, Add	*52.74*	
		For Low-E Insulated Glass, Add	*109.88*	
		For Obscure Glass, Add	*120.86*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	611.10	81.42
		For Colored Vinyl, Add	*44.83*	
		For Tinted Glass, Add	*53.79*	
		For Low-E Insulated Glass, Add	*112.07*	
		For Obscure Glass, Add	*123.27*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	644.29	84.27
		For Colored Vinyl, Add	*47.57*	
		For Tinted Glass, Add	*57.09*	
		For Low-E Insulated Glass, Add	*118.94*	
		For Obscure Glass, Add	*130.83*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	696.63	89.98
		For Colored Vinyl, Add	*51.67*	
		For Tinted Glass, Add	*62.00*	
		For Low-E Insulated Glass, Add	*129.17*	
		For Obscure Glass, Add	*142.08*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	569.85	77.14
		For Colored Vinyl, Add	*41.56*	
		For Tinted Glass, Add	*49.87*	
		For Low-E Insulated Glass, Add	*103.90*	
		For Obscure Glass, Add	*114.29*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	595.63	79.99
		For Colored Vinyl, Add	*43.57*	
		For Tinted Glass, Add	*52.28*	
		For Low-E Insulated Glass, Add	*108.92*	
		For Obscure Glass, Add	*119.81*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	609.57	81.42
		For Colored Vinyl, Add	*44.67*	
		For Tinted Glass, Add	*53.61*	
		For Low-E Insulated Glass, Add	*111.69*	
		For Obscure Glass, Add	*122.85*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	621.19	82.85
		For Colored Vinyl, Add	*45.55*	
		For Tinted Glass, Add	*54.66*	
		For Low-E Insulated Glass, Add	*113.88*	
		For Obscure Glass, Add	*125.26*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	654.83	85.70
		For Colored Vinyl, Add	*48.34*	
		For Tinted Glass, Add	*58.01*	
		For Low-E Insulated Glass, Add	*120.86*	
		For Obscure Glass, Add	*132.94*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	707.79	91.41
		For Colored Vinyl, Add	*52.50*	
		For Tinted Glass, Add	*63.00*	
		For Low-E Insulated Glass, Add	*131.24*	
		For Obscure Glass, Add	*144.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0052		52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	579.50	78.56
		For Colored Vinyl, Add	*42.24*	
		For Tinted Glass, Add	*50.69*	
		For Low-E Insulated Glass, Add	*105.60*	
		For Obscure Glass, Add	*116.15*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	605.27	81.42
		For Colored Vinyl, Add	*44.24*	
		For Tinted Glass, Add	*53.09*	
		For Low-E Insulated Glass, Add	*110.61*	
		For Obscure Glass, Add	*121.67*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	619.72	82.85
		For Colored Vinyl, Add	*45.40*	
		For Tinted Glass, Add	*54.48*	
		For Low-E Insulated Glass, Add	*113.51*	
		For Obscure Glass, Add	*124.86*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	631.34	84.27
		For Colored Vinyl, Add	*46.28*	
		For Tinted Glass, Add	*55.53*	
		For Low-E Insulated Glass, Add	*115.70*	
		For Obscure Glass, Add	*127.27*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	665.49	87.13
		For Colored Vinyl, Add	*49.12*	
		For Tinted Glass, Add	*58.95*	
		For Low-E Insulated Glass, Add	*122.81*	
		For Obscure Glass, Add	*135.09*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	719.08	92.84
		For Colored Vinyl, Add	*53.34*	
		For Tinted Glass, Add	*64.01*	
		For Low-E Insulated Glass, Add	*133.35*	
		For Obscure Glass, Add	*146.69*	
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	589.13	79.99
		For Colored Vinyl, Add	*42.92*	
		For Tinted Glass, Add	*51.50*	
		For Low-E Insulated Glass, Add	*107.29*	
		For Obscure Glass, Add	*118.02*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	614.92	82.85
		For Colored Vinyl, Add	*44.92*	
		For Tinted Glass, Add	*53.91*	
		For Low-E Insulated Glass, Add	*112.31*	
		For Obscure Glass, Add	*123.54*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	629.82	84.27
		For Colored Vinyl, Add	*46.13*	
		For Tinted Glass, Add	*55.35*	
		For Low-E Insulated Glass, Add	*115.32*	
		For Obscure Glass, Add	*126.85*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	641.43	85.70
		For Colored Vinyl, Add	*47.00*	
		For Tinted Glass, Add	*56.40*	
		For Low-E Insulated Glass, Add	*117.51*	
		For Obscure Glass, Add	*129.26*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	676.03	88.56
		For Colored Vinyl, Add	*49.89*	
		For Tinted Glass, Add	*59.87*	
		For Low-E Insulated Glass, Add	*124.73*	
		For Obscure Glass, Add	*137.20*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	730.25	94.27
		For Colored Vinyl, Add	*54.17*	
		For Tinted Glass, Add	*65.01*	
		For Low-E Insulated Glass, Add	*135.43*	
		For Obscure Glass, Add	*148.97*	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	618.91	84.27
		For Colored Vinyl, Add	*45.04*	
		For Tinted Glass, Add	*54.04*	
		For Low-E Insulated Glass, Add	*112.59*	
		For Obscure Glass, Add	*123.85*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	644.69	87.13
		For Colored Vinyl, Add	*47.04*	
		For Tinted Glass, Add	*56.45*	
		For Low-E Insulated Glass, Add	*117.61*	
		For Obscure Glass, Add	*129.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	660.93	88.56
		For Colored Vinyl, Add	*48.38*	
		For Tinted Glass, Add	*58.06*	
		For Low-E Insulated Glass, Add	*120.96*	
		For Obscure Glass, Add	*133.05*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	672.55	89.98
		For Colored Vinyl, Add	*49.26*	
		For Tinted Glass, Add	*59.11*	
		For Low-E Insulated Glass, Add	*123.15*	
		For Obscure Glass, Add	*135.46*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	708.62	92.84
		For Colored Vinyl, Add	*52.29*	
		For Tinted Glass, Add	*62.75*	
		For Low-E Insulated Glass, Add	*130.74*	
		For Obscure Glass, Add	*143.81*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	764.76	98.55
		For Colored Vinyl, Add	*56.77*	
		For Tinted Glass, Add	*68.12*	
		For Low-E Insulated Glass, Add	*141.91*	
		For Obscure Glass, Add	*156.10*	
08 53 13 00-0073		**62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** *(08 53 13 00-0002)*		
08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	628.54	85.70
		For Colored Vinyl, Add	*45.71*	
		For Tinted Glass, Add	*54.86*	
		For Low-E Insulated Glass, Add	*114.29*	
		For Obscure Glass, Add	*125.71*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	654.32	88.56
		For Colored Vinyl, Add	*47.72*	
		For Tinted Glass, Add	*57.27*	
		For Low-E Insulated Glass, Add	*119.30*	
		For Obscure Glass, Add	*131.23*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	671.14	89.98
		For Colored Vinyl, Add	*49.12*	
		For Tinted Glass, Add	*58.94*	
		For Low-E Insulated Glass, Add	*122.79*	
		For Obscure Glass, Add	*135.07*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	682.75	91.41
		For Colored Vinyl, Add	*49.99*	
		For Tinted Glass, Add	*59.99*	
		For Low-E Insulated Glass, Add	*124.98*	
		For Obscure Glass, Add	*137.48*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	719.28	94.27
		For Colored Vinyl, Add	*53.07*	
		For Tinted Glass, Add	*63.69*	
		For Low-E Insulated Glass, Add	*132.69*	
		For Obscure Glass, Add	*145.95*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	776.10	99.99
		For Colored Vinyl, Add	*57.61*	
		For Tinted Glass, Add	*69.14*	
		For Low-E Insulated Glass, Add	*144.03*	
		For Obscure Glass, Add	*158.44*	
08 53 13 00-0080		**66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)** *(08 53 13 00-0002)*		
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	648.16	88.56
		For Colored Vinyl, Add	*47.11*	
		For Tinted Glass, Add	*56.53*	
		For Low-E Insulated Glass, Add	*117.76*	
		For Obscure Glass, Add	*129.54*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	673.93	91.41
		For Colored Vinyl, Add	*49.11*	
		For Tinted Glass, Add	*58.93*	
		For Low-E Insulated Glass, Add	*122.78*	
		For Obscure Glass, Add	*135.06*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	691.66	92.84
		For Colored Vinyl, Add	*50.60*	
		For Tinted Glass, Add	*60.72*	
		For Low-E Insulated Glass, Add	*126.50*	
		For Obscure Glass, Add	*139.14*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	703.28	94.27
		For Colored Vinyl, Add	*51.47*	
		For Tinted Glass, Add	*61.77*	
		For Low-E Insulated Glass, Add	*128.69*	
		For Obscure Glass, Add	*141.55*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	740.83	97.12
		For Colored Vinyl, Add	*54.66*	
		For Tinted Glass, Add	*65.59*	
		For Low-E Insulated Glass, Add	*136.64*	
		For Obscure Glass, Add	*150.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	798.83	102.84
		For Colored Vinyl, Add	*59.32*	
		For Tinted Glass, Add	*71.18*	
		For Low-E Insulated Glass, Add	*148.29*	
		For Obscure Glass, Add	*163.12*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	677.92	92.84
		For Colored Vinyl, Add	*49.22*	
		For Tinted Glass, Add	*59.07*	
		For Low-E Insulated Glass, Add	*123.06*	
		For Obscure Glass, Add	*135.37*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	703.71	95.70
		For Colored Vinyl, Add	*51.23*	
		For Tinted Glass, Add	*61.48*	
		For Low-E Insulated Glass, Add	*128.08*	
		For Obscure Glass, Add	*140.89*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	721.44	97.12
		For Colored Vinyl, Add	*52.72*	
		For Tinted Glass, Add	*63.26*	
		For Low-E Insulated Glass, Add	*131.80*	
		For Obscure Glass, Add	*144.97*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	733.05	98.55
		For Colored Vinyl, Add	*53.59*	
		For Tinted Glass, Add	*64.31*	
		For Low-E Insulated Glass, Add	*133.99*	
		For Obscure Glass, Add	*147.38*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	770.59	101.42
		For Colored Vinyl, Add	*56.78*	
		For Tinted Glass, Add	*68.13*	
		For Low-E Insulated Glass, Add	*141.94*	
		For Obscure Glass, Add	*156.14*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	828.60	107.13
		For Colored Vinyl, Add	*61.44*	
		For Tinted Glass, Add	*73.72*	
		For Low-E Insulated Glass, Add	*153.59*	
		For Obscure Glass, Add	*168.95*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	727.70	74.98
		For Colored Vinyl, Add	*57.77*	
		For Tinted Glass, Add	*69.33*	
		For Low-E Insulated Glass, Add	*144.43*	
		For Obscure Glass, Add	*158.87*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	797.65	82.13
		For Colored Vinyl, Add	*63.34*	
		For Tinted Glass, Add	*76.01*	
		For Low-E Insulated Glass, Add	*158.35*	
		For Obscure Glass, Add	*174.19*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	861.96	89.27
		For Colored Vinyl, Add	*68.34*	
		For Tinted Glass, Add	*82.01*	
		For Low-E Insulated Glass, Add	*170.86*	
		For Obscure Glass, Add	*187.94*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	906.49	96.41
		For Colored Vinyl, Add	*71.37*	
		For Tinted Glass, Add	*85.64*	
		For Low-E Insulated Glass, Add	*178.42*	
		For Obscure Glass, Add	*196.26*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	953.27	103.56
		For Colored Vinyl, Add	*74.62*	
		For Tinted Glass, Add	*89.54*	
		For Low-E Insulated Glass, Add	*186.54*	
		For Obscure Glass, Add	*205.20*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	1,035.39	110.70
		For Colored Vinyl, Add	*81.40*	
		For Tinted Glass, Add	*97.68*	
		For Low-E Insulated Glass, Add	*203.50*	
		For Obscure Glass, Add	*223.85*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	8.64	0.92
		For Colored Vinyl, Add	*0.68*	
		For Tinted Glass, Add	*0.81*	
		For Low-E Insulated Glass, Add	*1.70*	
		For Obscure Glass, Add	*1.86*	

08 53 13 00-0102 New Or Replacement, Single Hung Vinyl Windows (Superior Windows & Doors 5700) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0103	EA	Up To 73" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	727.70	74.98
		For Colored Vinyl, Add	*57.77*	
		For Tinted Glass, Add	*69.33*	
		For Low-E Insulated Glass, Add	*144.43*	
		For Obscure Glass, Add	*158.87*	
08 53 13 00-0104	EA	>73" To 83" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	797.67	82.13
		For Colored Vinyl, Add	*63.34*	
		For Tinted Glass, Add	*76.01*	
		For Low-E Insulated Glass, Add	*158.36*	
		For Obscure Glass, Add	*174.19*	
08 53 13 00-0105	EA	>83" To 93" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	861.96	89.27
		For Colored Vinyl, Add	*68.34*	
		For Tinted Glass, Add	*82.01*	
		For Low-E Insulated Glass, Add	*170.86*	
		For Obscure Glass, Add	*187.94*	
08 53 13 00-0106	EA	>93" To 101" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	906.47	96.41
		For Colored Vinyl, Add	*71.36*	
		For Tinted Glass, Add	*85.64*	
		For Low-E Insulated Glass, Add	*178.41*	
		For Obscure Glass, Add	*196.25*	
08 53 13 00-0107	EA	>101" To 110" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	953.27	103.56
		For Colored Vinyl, Add	*74.62*	
		For Tinted Glass, Add	*89.54*	
		For Low-E Insulated Glass, Add	*186.54*	
		For Obscure Glass, Add	*205.20*	
08 53 13 00-0108	EA	>110" To 120" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	1,035.39	110.70
		For Colored Vinyl, Add	*81.40*	
		For Tinted Glass, Add	*97.68*	
		For Low-E Insulated Glass, Add	*203.50*	
		For Obscure Glass, Add	*223.85*	
08 53 13 00-0109	UI	>120" UI, New Or Replacement, Single Hung Vinyl Window (Superior Windows & Doors 5700)	8.64	0.92
		For Colored Vinyl, Add	*0.68*	
		For Tinted Glass, Add	*0.81*	
		For Low-E Insulated Glass, Add	*1.70*	
		For Obscure Glass, Add	*1.86*	

08 53 13 00-0110 Single Hung Premium Vinyl Windows (Jeld Wen V4500) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear high-performance Low-E insulating glass. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0111	EA	Up To 60" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	542.54	71.41
08 53 13 00-0112	EA	>60" To 73" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	594.08	74.98
08 53 13 00-0113	EA	>73" To 83" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	669.64	82.13
08 53 13 00-0114	EA	>83" To 93" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	745.80	89.27
08 53 13 00-0115	EA	>93" To 101" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	835.63	96.41
08 53 13 00-0116	EA	>101" To 110" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	879.17	103.56
08 53 13 00-0117	EA	>110" To 120" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	954.56	110.70
08 53 13 00-0118	UI	>120" UI, Single Hung Premium Vinyl Window (Jeld Wen V4500)	7.97	0.92

08 53 13 00-0119 Single Hung Premium Vinyl Windows (Pella 350) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear high-performance Low-E insulating glass. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0120	EA	Up To 60" UI, Single Hung Premium Vinyl Window (Pella 350)	562.53	71.41
08 53 13 00-0121	EA	>60" To 73" UI, Single Hung Premium Vinyl Window (Pella 350)	616.29	74.98
08 53 13 00-0122	EA	>73" To 83" UI, Single Hung Premium Vinyl Window (Pella 350)	694.92	82.13
08 53 13 00-0123	EA	>83" To 93" UI, Single Hung Premium Vinyl Window (Pella 350)	774.16	89.27
08 53 13 00-0124	EA	>93" To 101" UI, Single Hung Premium Vinyl Window (Pella 350)	867.77	96.41
08 53 13 00-0125	EA	>101" To 110" UI, Single Hung Premium Vinyl Window (Pella 350)	912.77	103.56
08 53 13 00-0126	EA	>110" To 120" UI, Single Hung Premium Vinyl Window (Pella 350)	991.22	110.70
08 53 13 00-0127	UI	>120" UI, Single Hung Premium Vinyl Window (Pella 350)	8.27	0.92

08 53 13 00-0128 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0129 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0128)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0130 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0131	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	708.90	65.70
		For Colored Vinyl, Add	*57.75*	
		For Tinted Glass, Add	*69.30*	
		For Low-E Insulated Glass, Add	*144.37*	
		For Obscure Glass, Add	*158.81*	
08 53 13 00-0132	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	734.68	68.56
		For Colored Vinyl, Add	*59.76*	
		For Tinted Glass, Add	*71.71*	
		For Low-E Insulated Glass, Add	*149.39*	
		For Obscure Glass, Add	*164.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0133	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	747.14	69.99
		For Colored Vinyl, Add	*60.72*	
		For Tinted Glass, Add	*72.86*	
		For Low-E Insulated Glass, Add	*151.79*	
		For Obscure Glass, Add	*166.97*	
08 53 13 00-0134	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	758.77	71.41
		For Colored Vinyl, Add	*61.59*	
		For Tinted Glass, Add	*73.91*	
		For Low-E Insulated Glass, Add	*153.98*	
		For Obscure Glass, Add	*169.38*	
08 53 13 00-0135	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	787.15	74.27
		For Colored Vinyl, Add	*63.86*	
		For Tinted Glass, Add	*76.63*	
		For Low-E Insulated Glass, Add	*159.65*	
		For Obscure Glass, Add	*175.62*	
08 53 13 00-0136	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	833.22	79.99
		For Colored Vinyl, Add	*67.33*	
		For Tinted Glass, Add	*80.79*	
		For Low-E Insulated Glass, Add	*168.31*	
		For Obscure Glass, Add	*185.14*	

08 53 13 00-0137 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0138	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	718.82	67.13
		For Colored Vinyl, Add	*58.46*	
		For Tinted Glass, Add	*70.15*	
		For Low-E Insulated Glass, Add	*146.14*	
		For Obscure Glass, Add	*160.75*	
08 53 13 00-0139	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	744.59	69.99
		For Colored Vinyl, Add	*60.46*	
		For Tinted Glass, Add	*72.55*	
		For Low-E Insulated Glass, Add	*151.16*	
		For Obscure Glass, Add	*166.27*	
08 53 13 00-0140	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	757.07	71.41
		For Colored Vinyl, Add	*61.42*	
		For Tinted Glass, Add	*73.71*	
		For Low-E Insulated Glass, Add	*153.56*	
		For Obscure Glass, Add	*168.91*	
08 53 13 00-0141	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	768.68	72.84
		For Colored Vinyl, Add	*62.30*	
		For Tinted Glass, Add	*74.76*	
		For Low-E Insulated Glass, Add	*155.75*	
		For Obscure Glass, Add	*171.32*	
08 53 13 00-0142	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	797.07	75.70
		For Colored Vinyl, Add	*64.57*	
		For Tinted Glass, Add	*77.48*	
		For Low-E Insulated Glass, Add	*161.42*	
		For Obscure Glass, Add	*177.56*	
08 53 13 00-0143	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	843.14	81.42
		For Colored Vinyl, Add	*68.03*	
		For Tinted Glass, Add	*81.64*	
		For Low-E Insulated Glass, Add	*170.08*	
		For Obscure Glass, Add	*187.09*	

08 53 13 00-0144 38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0145	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	727.72	68.56
		For Colored Vinyl, Add	*59.06*	
		For Tinted Glass, Add	*70.87*	
		For Low-E Insulated Glass, Add	*147.65*	
		For Obscure Glass, Add	*162.42*	
08 53 13 00-0146	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	753.51	71.41
		For Colored Vinyl, Add	*61.07*	
		For Tinted Glass, Add	*73.28*	
		For Low-E Insulated Glass, Add	*152.67*	
		For Obscure Glass, Add	*167.93*	
08 53 13 00-0147	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	766.37	72.84
		For Colored Vinyl, Add	*62.07*	
		For Tinted Glass, Add	*74.48*	
		For Low-E Insulated Glass, Add	*155.17*	
		For Obscure Glass, Add	*170.69*	
08 53 13 00-0148	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	777.99	74.27
		For Colored Vinyl, Add	*62.94*	
		For Tinted Glass, Add	*75.53*	
		For Low-E Insulated Glass, Add	*157.36*	
		For Obscure Glass, Add	*173.10*	
08 53 13 00-0149	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	806.93	77.14
		For Colored Vinyl, Add	*65.27*	
		For Tinted Glass, Add	*78.32*	
		For Low-E Insulated Glass, Add	*163.17*	
		For Obscure Glass, Add	*179.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0150	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	853.58	82.85
		For Colored Vinyl, Add	*68.79*	
		For Tinted Glass, Add	*82.55*	
		For Low-E Insulated Glass, Add	*171.97*	
		For Obscure Glass, Add	*189.17*	
08 53 13 00-0151		44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*		
08 53 13 00-0152	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	758.28	72.84
		For Colored Vinyl, Add	*61.26*	
		For Tinted Glass, Add	*73.51*	
		For Low-E Insulated Glass, Add	*153.15*	
		For Obscure Glass, Add	*168.46*	
08 53 13 00-0153	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.07	75.70
		For Colored Vinyl, Add	*63.27*	
		For Tinted Glass, Add	*75.92*	
		For Low-E Insulated Glass, Add	*158.17*	
		For Obscure Glass, Add	*173.98*	
08 53 13 00-0154	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	794.61	77.14
		For Colored Vinyl, Add	*64.04*	
		For Tinted Glass, Add	*76.84*	
		For Low-E Insulated Glass, Add	*160.09*	
		For Obscure Glass, Add	*176.10*	
08 53 13 00-0155	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	806.23	78.56
		For Colored Vinyl, Add	*64.91*	
		For Tinted Glass, Add	*77.89*	
		For Low-E Insulated Glass, Add	*162.28*	
		For Obscure Glass, Add	*178.51*	
08 53 13 00-0156	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	836.42	81.42
		For Colored Vinyl, Add	*67.36*	
		For Tinted Glass, Add	*80.83*	
		For Low-E Insulated Glass, Add	*168.40*	
		For Obscure Glass, Add	*185.24*	
08 53 13 00-0157	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	885.89	87.13
		For Colored Vinyl, Add	*71.16*	
		For Tinted Glass, Add	*85.40*	
		For Low-E Insulated Glass, Add	*177.91*	
		For Obscure Glass, Add	*195.70*	
08 53 13 00-0158		46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*		
08 53 13 00-0159	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	767.13	74.27
		For Colored Vinyl, Add	*61.86*	
		For Tinted Glass, Add	*74.23*	
		For Low-E Insulated Glass, Add	*154.65*	
		For Obscure Glass, Add	*170.11*	
08 53 13 00-0160	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	792.91	77.14
		For Colored Vinyl, Add	*63.87*	
		For Tinted Glass, Add	*76.64*	
		For Low-E Insulated Glass, Add	*159.66*	
		For Obscure Glass, Add	*175.63*	
08 53 13 00-0161	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	804.08	78.56
		For Colored Vinyl, Add	*64.70*	
		For Tinted Glass, Add	*77.64*	
		For Low-E Insulated Glass, Add	*161.74*	
		For Obscure Glass, Add	*177.91*	
08 53 13 00-0162	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	815.69	79.99
		For Colored Vinyl, Add	*65.57*	
		For Tinted Glass, Add	*78.69*	
		For Low-E Insulated Glass, Add	*163.93*	
		For Obscure Glass, Add	*180.32*	
08 53 13 00-0163	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	846.29	82.85
		For Colored Vinyl, Add	*68.06*	
		For Tinted Glass, Add	*81.67*	
		For Low-E Insulated Glass, Add	*170.15*	
		For Obscure Glass, Add	*187.17*	
08 53 13 00-0164	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	897.45	88.56
		For Colored Vinyl, Add	*72.03*	
		For Tinted Glass, Add	*86.44*	
		For Low-E Insulated Glass, Add	*180.09*	
		For Obscure Glass, Add	*198.09*	
08 53 13 00-0165		48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*		
08 53 13 00-0166	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	776.10	75.70
		For Colored Vinyl, Add	*62.47*	
		For Tinted Glass, Add	*74.96*	
		For Low-E Insulated Glass, Add	*156.17*	
		For Obscure Glass, Add	*171.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0167	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	801.88	78.56
		For Colored Vinyl, Add	*64.48*	
		For Tinted Glass, Add	*77.37*	
		For Low-E Insulated Glass, Add	*161.19*	
		For Obscure Glass, Add	*177.31*	
08 53 13 00-0168	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	813.38	79.99
		For Colored Vinyl, Add	*65.34*	
		For Tinted Glass, Add	*78.41*	
		For Low-E Insulated Glass, Add	*163.35*	
		For Obscure Glass, Add	*179.69*	
08 53 13 00-0169	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	825.00	81.42
		For Colored Vinyl, Add	*66.22*	
		For Tinted Glass, Add	*79.46*	
		For Low-E Insulated Glass, Add	*165.54*	
		For Obscure Glass, Add	*182.10*	
08 53 13 00-0170	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	856.16	84.27
		For Colored Vinyl, Add	*68.76*	
		For Tinted Glass, Add	*82.51*	
		For Low-E Insulated Glass, Add	*171.90*	
		For Obscure Glass, Add	*189.09*	
08 53 13 00-0171	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	908.78	89.98
		For Colored Vinyl, Add	*72.88*	
		For Tinted Glass, Add	*87.46*	
		For Low-E Insulated Glass, Add	*182.20*	
		For Obscure Glass, Add	*200.42*	

08 53 13 00-0172 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0173	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.94	77.14
		For Colored Vinyl, Add	*63.07*	
		For Tinted Glass, Add	*75.68*	
		For Low-E Insulated Glass, Add	*157.67*	
		For Obscure Glass, Add	*173.44*	
08 53 13 00-0174	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	810.72	79.99
		For Colored Vinyl, Add	*65.08*	
		For Tinted Glass, Add	*78.09*	
		For Low-E Insulated Glass, Add	*162.69*	
		For Obscure Glass, Add	*178.96*	
08 53 13 00-0175	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	822.79	81.42
		For Colored Vinyl, Add	*66.00*	
		For Tinted Glass, Add	*79.20*	
		For Low-E Insulated Glass, Add	*164.99*	
		For Obscure Glass, Add	*181.49*	
08 53 13 00-0176	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	834.42	82.85
		For Colored Vinyl, Add	*66.87*	
		For Tinted Glass, Add	*80.25*	
		For Low-E Insulated Glass, Add	*167.18*	
		For Obscure Glass, Add	*183.90*	
08 53 13 00-0177	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	866.01	85.70
		For Colored Vinyl, Add	*69.46*	
		For Tinted Glass, Add	*83.35*	
		For Low-E Insulated Glass, Add	*173.65*	
		For Obscure Glass, Add	*191.02*	
08 53 13 00-0178	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	920.28	91.41
		For Colored Vinyl, Add	*73.75*	
		For Tinted Glass, Add	*88.50*	
		For Low-E Insulated Glass, Add	*184.37*	
		For Obscure Glass, Add	*202.80*	

08 53 13 00-0179 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0180	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	793.85	78.56
		For Colored Vinyl, Add	*63.67*	
		For Tinted Glass, Add	*76.41*	
		For Low-E Insulated Glass, Add	*159.18*	
		For Obscure Glass, Add	*175.10*	
08 53 13 00-0181	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	819.63	81.42
		For Colored Vinyl, Add	*65.68*	
		For Tinted Glass, Add	*78.82*	
		For Low-E Insulated Glass, Add	*164.20*	
		For Obscure Glass, Add	*180.62*	
08 53 13 00-0182	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	832.10	82.85
		For Colored Vinyl, Add	*66.64*	
		For Tinted Glass, Add	*79.97*	
		For Low-E Insulated Glass, Add	*166.60*	
		For Obscure Glass, Add	*183.26*	
08 53 13 00-0183	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	843.72	84.27
		For Colored Vinyl, Add	*67.52*	
		For Tinted Glass, Add	*81.02*	
		For Low-E Insulated Glass, Add	*168.79*	
		For Obscure Glass, Add	*185.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0184	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	876.85	87.13
		For Colored Vinyl, Add	*70.26*	
		For Tinted Glass, Add	*84.31*	
		For Low-E Insulated Glass, Add	*175.65*	
		For Obscure Glass, Add	*193.21*	
08 53 13 00-0185	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	931.57	92.84
		For Colored Vinyl, Add	*74.59*	
		For Tinted Glass, Add	*89.51*	
		For Low-E Insulated Glass, Add	*186.47*	
		For Obscure Glass, Add	*205.12*	

08 53 13 00-0186 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0187	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	802.81	79.99
		For Colored Vinyl, Add	*64.28*	
		For Tinted Glass, Add	*77.14*	
		For Low-E Insulated Glass, Add	*160.71*	
		For Obscure Glass, Add	*176.78*	
08 53 13 00-0188	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	828.59	82.85
		For Colored Vinyl, Add	*66.29*	
		For Tinted Glass, Add	*79.55*	
		For Low-E Insulated Glass, Add	*165.73*	
		For Obscure Glass, Add	*182.30*	
08 53 13 00-0189	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	841.57	84.27
		For Colored Vinyl, Add	*67.30*	
		For Tinted Glass, Add	*80.76*	
		For Low-E Insulated Glass, Add	*168.26*	
		For Obscure Glass, Add	*185.08*	
08 53 13 00-0190	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	853.18	85.70
		For Colored Vinyl, Add	*68.18*	
		For Tinted Glass, Add	*81.81*	
		For Low-E Insulated Glass, Add	*170.45*	
		For Obscure Glass, Add	*187.49*	
08 53 13 00-0191	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	887.67	88.56
		For Colored Vinyl, Add	*71.06*	
		For Tinted Glass, Add	*85.27*	
		For Low-E Insulated Glass, Add	*177.64*	
		For Obscure Glass, Add	*195.40*	
08 53 13 00-0192	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	942.90	94.27
		For Colored Vinyl, Add	*75.44*	
		For Tinted Glass, Add	*90.52*	
		For Low-E Insulated Glass, Add	*188.59*	
		For Obscure Glass, Add	*207.45*	

08 53 13 00-0193 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0194	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	829.64	84.27
		For Colored Vinyl, Add	*66.11*	
		For Tinted Glass, Add	*79.33*	
		For Low-E Insulated Glass, Add	*165.27*	
		For Obscure Glass, Add	*181.80*	
08 53 13 00-0195	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	855.42	87.13
		For Colored Vinyl, Add	*68.12*	
		For Tinted Glass, Add	*81.74*	
		For Low-E Insulated Glass, Add	*170.29*	
		For Obscure Glass, Add	*187.32*	
08 53 13 00-0196	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	871.72	88.56
		For Colored Vinyl, Add	*69.46*	
		For Tinted Glass, Add	*83.35*	
		For Low-E Insulated Glass, Add	*173.65*	
		For Obscure Glass, Add	*191.02*	
08 53 13 00-0197	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	883.35	89.98
		For Colored Vinyl, Add	*70.34*	
		For Tinted Glass, Add	*84.41*	
		For Low-E Insulated Glass, Add	*175.85*	
		For Obscure Glass, Add	*193.43*	
08 53 13 00-0198	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	919.98	92.84
		For Colored Vinyl, Add	*73.43*	
		For Tinted Glass, Add	*88.12*	
		For Low-E Insulated Glass, Add	*183.58*	
		For Obscure Glass, Add	*201.93*	
08 53 13 00-0199	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	977.03	98.55
		For Colored Vinyl, Add	*77.99*	
		For Tinted Glass, Add	*93.59*	
		For Low-E Insulated Glass, Add	*194.98*	
		For Obscure Glass, Add	*214.48*	

08 53 13 00-0200 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0201	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	838.54	85.70
		For Colored Vinyl, Add	*66.71*	
		For Tinted Glass, Add	*80.06*	
		For Low-E Insulated Glass, Add	*166.79*	
		For Obscure Glass, Add	*183.46*	
08 53 13 00-0202	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	864.32	88.56
		For Colored Vinyl, Add	*68.72*	
		For Tinted Glass, Add	*82.47*	
		For Low-E Insulated Glass, Add	*171.80*	
		For Obscure Glass, Add	*188.98*	
08 53 13 00-0203	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	881.99	89.98
		For Colored Vinyl, Add	*70.20*	
		For Tinted Glass, Add	*84.24*	
		For Low-E Insulated Glass, Add	*175.51*	
		For Obscure Glass, Add	*193.06*	
08 53 13 00-0204	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	893.60	91.41
		For Colored Vinyl, Add	*71.08*	
		For Tinted Glass, Add	*85.29*	
		For Low-E Insulated Glass, Add	*177.70*	
		For Obscure Glass, Add	*195.46*	
08 53 13 00-0205	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	930.69	94.27
		For Colored Vinyl, Add	*74.22*	
		For Tinted Glass, Add	*89.06*	
		For Low-E Insulated Glass, Add	*185.54*	
		For Obscure Glass, Add	*204.09*	
08 53 13 00-0206	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	989.50	99.99
		For Colored Vinyl, Add	*78.95*	
		For Tinted Glass, Add	*94.74*	
		For Low-E Insulated Glass, Add	*197.38*	
		For Obscure Glass, Add	*217.12*	

08 53 13 00-0207 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0208	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	858.38	88.56
		For Colored Vinyl, Add	*68.13*	
		For Tinted Glass, Add	*81.75*	
		For Low-E Insulated Glass, Add	*170.32*	
		For Obscure Glass, Add	*187.35*	
08 53 13 00-0209	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	884.16	91.41
		For Colored Vinyl, Add	*70.13*	
		For Tinted Glass, Add	*84.16*	
		For Low-E Insulated Glass, Add	*175.34*	
		For Obscure Glass, Add	*192.87*	
08 53 13 00-0210	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	902.57	92.84
		For Colored Vinyl, Add	*71.69*	
		For Tinted Glass, Add	*86.03*	
		For Low-E Insulated Glass, Add	*179.22*	
		For Obscure Glass, Add	*197.14*	
08 53 13 00-0211	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	914.19	94.27
		For Colored Vinyl, Add	*72.57*	
		For Tinted Glass, Add	*87.08*	
		For Low-E Insulated Glass, Add	*181.41*	
		For Obscure Glass, Add	*199.55*	
08 53 13 00-0212	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	952.36	97.12
		For Colored Vinyl, Add	*75.81*	
		For Tinted Glass, Add	*90.97*	
		For Low-E Insulated Glass, Add	*189.53*	
		For Obscure Glass, Add	*208.48*	
08 53 13 00-0213	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	1,013.52	102.84
		For Colored Vinyl, Add	*80.78*	
		For Tinted Glass, Add	*96.94*	
		For Low-E Insulated Glass, Add	*201.96*	
		For Obscure Glass, Add	*222.16*	

08 53 13 00-0214 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0129)*

08 53 13 00-0215	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	888.15	92.84
		For Colored Vinyl, Add	*70.25*	
		For Tinted Glass, Add	*84.30*	
		For Low-E Insulated Glass, Add	*175.62*	
		For Obscure Glass, Add	*193.18*	
08 53 13 00-0216	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	913.94	95.70
		For Colored Vinyl, Add	*72.25*	
		For Tinted Glass, Add	*86.70*	
		For Low-E Insulated Glass, Add	*180.64*	
		For Obscure Glass, Add	*198.70*	
08 53 13 00-0217	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	932.34	97.12
		For Colored Vinyl, Add	*73.81*	
		For Tinted Glass, Add	*88.57*	
		For Low-E Insulated Glass, Add	*184.52*	
		For Obscure Glass, Add	*202.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0218	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	943.96	98.55
		For Colored Vinyl, Add	*74.69*	
		For Tinted Glass, Add	*89.62*	
		For Low-E Insulated Glass, Add	*186.71*	
		For Obscure Glass, Add	*205.38*	
08 53 13 00-0219	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	982.11	101.42
		For Colored Vinyl, Add	*77.93*	
		For Tinted Glass, Add	*93.51*	
		For Low-E Insulated Glass, Add	*194.82*	
		For Obscure Glass, Add	*214.30*	
08 53 13 00-0220	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	1,043.29	107.13
		For Colored Vinyl, Add	*82.90*	
		For Tinted Glass, Add	*99.48*	
		For Low-E Insulated Glass, Add	*207.26*	
		For Obscure Glass, Add	*227.99*	

08 53 13 00-0221 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0128)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0222	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	872.12	74.98
		For Colored Vinyl, Add	*72.21*	
		For Tinted Glass, Add	*86.66*	
		For Low-E Insulated Glass, Add	*180.54*	
		For Obscure Glass, Add	*198.59*	
08 53 13 00-0223	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	961.86	82.13
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.40*	
		For Obscure Glass, Add	*219.34*	
08 53 13 00-0224	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,045.96	89.27
		For Colored Vinyl, Add	*86.74*	
		For Tinted Glass, Add	*104.09*	
		For Low-E Insulated Glass, Add	*216.86*	
		For Obscure Glass, Add	*238.54*	
08 53 13 00-0225	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,106.32	96.41
		For Colored Vinyl, Add	*91.35*	
		For Tinted Glass, Add	*109.62*	
		For Low-E Insulated Glass, Add	*228.37*	
		For Obscure Glass, Add	*251.21*	
08 53 13 00-0226	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,170.90	103.56
		For Colored Vinyl, Add	*96.38*	
		For Tinted Glass, Add	*115.66*	
		For Low-E Insulated Glass, Add	*240.95*	
		For Obscure Glass, Add	*265.05*	
08 53 13 00-0227	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,272.81	110.70
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	
08 53 13 00-0228	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	10.62	0.92
		For Colored Vinyl, Add	*0.88*	
		For Tinted Glass, Add	*1.05*	
		For Low-E Insulated Glass, Add	*2.19*	
		For Obscure Glass, Add	*2.41*	

08 53 13 00-0229 New Or Replacement, Double Hung Vinyl Windows (Superior Windows & Doors 5900) *(08 53 13 00-0128)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0230	EA	Up To 73" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	872.10	74.98
		For Colored Vinyl, Add	*72.21*	
		For Tinted Glass, Add	*86.65*	
		For Low-E Insulated Glass, Add	*180.53*	
		For Obscure Glass, Add	*198.58*	
08 53 13 00-0231	EA	>73" To 83" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	961.86	82.13
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.40*	
		For Obscure Glass, Add	*219.34*	
08 53 13 00-0232	EA	>83" To 93" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	1,045.93	89.27
		For Colored Vinyl, Add	*86.74*	
		For Tinted Glass, Add	*104.09*	
		For Low-E Insulated Glass, Add	*216.85*	
		For Obscure Glass, Add	*238.53*	
08 53 13 00-0233	EA	>93" To 101" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	1,106.32	96.41
		For Colored Vinyl, Add	*91.35*	
		For Tinted Glass, Add	*109.62*	
		For Low-E Insulated Glass, Add	*228.37*	
		For Obscure Glass, Add	*251.21*	
08 53 13 00-0234	EA	>101" To 110" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	1,170.90	103.56
		For Colored Vinyl, Add	*96.38*	
		For Tinted Glass, Add	*115.66*	
		For Low-E Insulated Glass, Add	*240.95*	
		For Obscure Glass, Add	*265.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0235	EA	>110" To 120" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	1,272.81	110.70
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	
08 53 13 00-0236	UI	>120" UI, New Or Replacement, Double Hung Vinyl Window (Superior Windows & Doors 5900)	10.60	0.92
		For Colored Vinyl, Add	*0.87*	
		For Tinted Glass, Add	*1.05*	
		For Low-E Insulated Glass, Add	*2.19*	
		For Obscure Glass, Add	*2.40*	

08 53 13 00-0237 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0238 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0237)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0239 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0238)*

08 53 13 00-0240 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*

08 53 13 00-0241	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	651.27	54.27
		For Colored Vinyl, Add	*54.41*	
		For Tinted Glass, Add	*65.30*	
		For Low-E Insulated Glass, Add	*136.04*	
		For Obscure Glass, Add	*149.64*	
08 53 13 00-0242	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	673.92	55.71
		For Colored Vinyl, Add	*56.25*	
		For Tinted Glass, Add	*67.50*	
		For Low-E Insulated Glass, Add	*140.63*	
		For Obscure Glass, Add	*154.69*	
08 53 13 00-0243	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	698.00	58.57
		For Colored Vinyl, Add	*58.09*	
		For Tinted Glass, Add	*69.71*	
		For Low-E Insulated Glass, Add	*145.22*	
		For Obscure Glass, Add	*159.74*	
08 53 13 00-0244	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	742.33	61.42
		For Colored Vinyl, Add	*61.95*	
		For Tinted Glass, Add	*74.34*	
		For Low-E Insulated Glass, Add	*154.87*	
		For Obscure Glass, Add	*170.36*	

08 53 13 00-0245 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*

08 53 13 00-0246	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	691.18	57.14
		For Colored Vinyl, Add	*57.83*	
		For Tinted Glass, Add	*69.40*	
		For Low-E Insulated Glass, Add	*144.59*	
		For Obscure Glass, Add	*159.04*	
08 53 13 00-0247	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	715.92	58.57
		For Colored Vinyl, Add	*59.88*	
		For Tinted Glass, Add	*71.86*	
		For Low-E Insulated Glass, Add	*149.70*	
		For Obscure Glass, Add	*164.67*	
08 53 13 00-0248	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	742.05	61.42
		For Colored Vinyl, Add	*61.92*	
		For Tinted Glass, Add	*74.31*	
		For Low-E Insulated Glass, Add	*154.80*	
		For Obscure Glass, Add	*170.28*	
08 53 13 00-0249	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	788.85	64.28
		For Colored Vinyl, Add	*66.03*	
		For Tinted Glass, Add	*79.24*	
		For Low-E Insulated Glass, Add	*165.08*	
		For Obscure Glass, Add	*181.58*	

08 53 13 00-0250 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*

08 53 13 00-0251	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	737.92	61.42
		For Colored Vinyl, Add	*61.51*	
		For Tinted Glass, Add	*73.81*	
		For Low-E Insulated Glass, Add	*153.77*	
		For Obscure Glass, Add	*169.15*	
08 53 13 00-0252	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	763.68	64.28
		For Colored Vinyl, Add	*63.66*	
		For Tinted Glass, Add	*76.39*	
		For Low-E Insulated Glass, Add	*159.14*	
		For Obscure Glass, Add	*175.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0253	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	790.94	66.42
		For Colored Vinyl, Add	*65.81*	
		For Tinted Glass, Add	*78.97*	
		For Low-E Insulated Glass, Add	*164.53*	
		For Obscure Glass, Add	*180.98*	
08 53 13 00-0254	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	839.72	69.27
		For Colored Vinyl, Add	*70.12*	
		For Tinted Glass, Add	*84.14*	
		For Low-E Insulated Glass, Add	*175.29*	
		For Obscure Glass, Add	*192.82*	

08 53 13 00-0255 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*

08 53 13 00-0256	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	780.50	65.70
		For Colored Vinyl, Add	*65.05*	
		For Tinted Glass, Add	*78.06*	
		For Low-E Insulated Glass, Add	*162.63*	
		For Obscure Glass, Add	*178.89*	
08 53 13 00-0257	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	807.73	67.13
		For Colored Vinyl, Add	*67.35*	
		For Tinted Glass, Add	*80.82*	
		For Low-E Insulated Glass, Add	*168.37*	
		For Obscure Glass, Add	*185.20*	
08 53 13 00-0258	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	836.39	69.99
		For Colored Vinyl, Add	*69.64*	
		For Tinted Glass, Add	*83.57*	
		For Low-E Insulated Glass, Add	*174.11*	
		For Obscure Glass, Add	*191.52*	
08 53 13 00-0259	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	889.26	72.84
		For Colored Vinyl, Add	*74.36*	
		For Tinted Glass, Add	*89.23*	
		For Low-E Insulated Glass, Add	*185.89*	
		For Obscure Glass, Add	*204.48*	

08 53 13 00-0260 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*

08 53 13 00-0261	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	827.71	71.41
		For Colored Vinyl, Add	*68.63*	
		For Tinted Glass, Add	*82.36*	
		For Low-E Insulated Glass, Add	*171.58*	
		For Obscure Glass, Add	*188.74*	
08 53 13 00-0262	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	856.19	72.84
		For Colored Vinyl, Add	*71.05*	
		For Tinted Glass, Add	*85.26*	
		For Low-E Insulated Glass, Add	*177.63*	
		For Obscure Glass, Add	*195.39*	
08 53 13 00-0263	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	886.16	75.70
		For Colored Vinyl, Add	*73.48*	
		For Tinted Glass, Add	*88.17*	
		For Low-E Insulated Glass, Add	*183.69*	
		For Obscure Glass, Add	*202.06*	
08 53 13 00-0264	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	944.38	78.56
		For Colored Vinyl, Add	*78.73*	
		For Tinted Glass, Add	*94.47*	
		For Low-E Insulated Glass, Add	*196.82*	
		For Obscure Glass, Add	*216.50*	

08 53 13 00-0265 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*

08 53 13 00-0266	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	869.04	74.27
		For Colored Vinyl, Add	*72.19*	
		For Tinted Glass, Add	*86.63*	
		For Low-E Insulated Glass, Add	*180.48*	
		For Obscure Glass, Add	*198.53*	
08 53 13 00-0267	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	899.22	75.70
		For Colored Vinyl, Add	*74.78*	
		For Tinted Glass, Add	*89.74*	
		For Low-E Insulated Glass, Add	*186.95*	
		For Obscure Glass, Add	*205.65*	
08 53 13 00-0268	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	930.76	78.56
		For Colored Vinyl, Add	*77.36*	
		For Tinted Glass, Add	*92.84*	
		For Low-E Insulated Glass, Add	*193.41*	
		For Obscure Glass, Add	*212.75*	
08 53 13 00-0269	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	990.00	81.42
		For Colored Vinyl, Add	*82.72*	
		For Tinted Glass, Add	*99.26*	
		For Low-E Insulated Glass, Add	*206.79*	
		For Obscure Glass, Add	*227.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0270		60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*		
08 53 13 00-0271	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	914.65	78.56
		For Colored Vinyl, Add	*75.75*	
		For Tinted Glass, Add	*90.90*	
		For Low-E Insulated Glass, Add	*189.38*	
		For Obscure Glass, Add	*208.32*	
08 53 13 00-0272	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	946.46	81.42
		For Colored Vinyl, Add	*78.51*	
		For Tinted Glass, Add	*94.21*	
		For Low-E Insulated Glass, Add	*196.27*	
		For Obscure Glass, Add	*215.89*	
08 53 13 00-0273	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	979.71	83.56
		For Colored Vinyl, Add	*81.26*	
		For Tinted Glass, Add	*97.51*	
		For Low-E Insulated Glass, Add	*203.15*	
		For Obscure Glass, Add	*223.46*	
08 53 13 00-0274	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,039.91	86.42
		For Colored Vinyl, Add	*86.71*	
		For Tinted Glass, Add	*104.05*	
		For Low-E Insulated Glass, Add	*216.77*	
		For Obscure Glass, Add	*238.45*	
08 53 13 00-0275		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*		
08 53 13 00-0276	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	956.55	82.85
		For Colored Vinyl, Add	*79.23*	
		For Tinted Glass, Add	*95.08*	
		For Low-E Insulated Glass, Add	*198.08*	
		For Obscure Glass, Add	*217.88*	
08 53 13 00-0277	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	989.22	84.27
		For Colored Vinyl, Add	*82.07*	
		For Tinted Glass, Add	*98.48*	
		For Low-E Insulated Glass, Add	*205.17*	
		For Obscure Glass, Add	*225.68*	
08 53 13 00-0278	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,024.72	87.13
		For Colored Vinyl, Add	*85.05*	
		For Tinted Glass, Add	*102.06*	
		For Low-E Insulated Glass, Add	*212.62*	
		For Obscure Glass, Add	*233.88*	
08 53 13 00-0279	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,083.51	89.98
		For Colored Vinyl, Add	*90.35*	
		For Tinted Glass, Add	*108.42*	
		For Low-E Insulated Glass, Add	*225.89*	
		For Obscure Glass, Add	*248.47*	
08 53 13 00-0280		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0239)*		
08 53 13 00-0281	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,007.65	87.13
		For Colored Vinyl, Add	*83.34*	
		For Tinted Glass, Add	*100.01*	
		For Low-E Insulated Glass, Add	*208.35*	
		For Obscure Glass, Add	*229.18*	
08 53 13 00-0282	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,042.06	89.98
		For Colored Vinyl, Add	*86.35*	
		For Tinted Glass, Add	*103.62*	
		For Low-E Insulated Glass, Add	*215.88*	
		For Obscure Glass, Add	*237.47*	
08 53 13 00-0283	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,075.98	92.13
		For Colored Vinyl, Add	*89.17*	
		For Tinted Glass, Add	*107.01*	
		For Low-E Insulated Glass, Add	*222.93*	
		For Obscure Glass, Add	*245.23*	
08 53 13 00-0284	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,134.04	94.98
		For Colored Vinyl, Add	*94.41*	
		For Tinted Glass, Add	*113.29*	
		For Low-E Insulated Glass, Add	*236.02*	
		For Obscure Glass, Add	*259.62*	
08 53 13 00-0285		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0238)*		
08 53 13 00-0286		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*		
08 53 13 00-0287	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,327.07	72.84
		For Colored Vinyl, Add	*118.14*	
		For Tinted Glass, Add	*141.77*	
		For Low-E Insulated Glass, Add	*295.35*	
		For Obscure Glass, Add	*324.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0288	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,374.15	78.56
		For Colored Vinyl, Add	*121.85*	
		For Tinted Glass, Add	*146.22*	
		For Low-E Insulated Glass, Add	*304.62*	
		For Obscure Glass, Add	*335.08*	
08 53 13 00-0289	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,422.72	84.27
		For Colored Vinyl, Add	*125.56*	
		For Tinted Glass, Add	*150.67*	
		For Low-E Insulated Glass, Add	*313.90*	
		For Obscure Glass, Add	*345.29*	
08 53 13 00-0290	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,478.17	89.27
		For Colored Vinyl, Add	*129.96*	
		For Tinted Glass, Add	*155.96*	
		For Low-E Insulated Glass, Add	*324.91*	
		For Obscure Glass, Add	*357.40*	

08 53 13 00-0291 40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*

08 53 13 00-0292	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,405.66	76.41
		For Colored Vinyl, Add	*125.28*	
		For Tinted Glass, Add	*150.34*	
		For Low-E Insulated Glass, Add	*313.21*	
		For Obscure Glass, Add	*344.53*	
08 53 13 00-0293	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,455.79	81.42
		For Colored Vinyl, Add	*129.30*	
		For Tinted Glass, Add	*155.16*	
		For Low-E Insulated Glass, Add	*323.24*	
		For Obscure Glass, Add	*355.56*	
08 53 13 00-0294	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,507.41	87.13
		For Colored Vinyl, Add	*133.32*	
		For Tinted Glass, Add	*159.98*	
		For Low-E Insulated Glass, Add	*333.29*	
		For Obscure Glass, Add	*366.62*	
08 53 13 00-0295	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,561.00	92.84
		For Colored Vinyl, Add	*137.53*	
		For Tinted Glass, Add	*165.04*	
		For Low-E Insulated Glass, Add	*343.83*	
		For Obscure Glass, Add	*378.21*	

08 53 13 00-0296 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*

08 53 13 00-0297	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,489.94	82.13
		For Colored Vinyl, Add	*132.57*	
		For Tinted Glass, Add	*159.08*	
		For Low-E Insulated Glass, Add	*331.42*	
		For Obscure Glass, Add	*364.56*	
08 53 13 00-0298	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,542.29	87.13
		For Colored Vinyl, Add	*136.80*	
		For Tinted Glass, Add	*164.16*	
		For Low-E Insulated Glass, Add	*342.01*	
		For Obscure Glass, Add	*376.21*	
08 53 13 00-0299	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,596.11	92.84
		For Colored Vinyl, Add	*141.04*	
		For Tinted Glass, Add	*169.25*	
		For Low-E Insulated Glass, Add	*352.61*	
		For Obscure Glass, Add	*387.87*	
08 53 13 00-0300	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,654.85	98.55
		For Colored Vinyl, Add	*145.77*	
		For Tinted Glass, Add	*174.93*	
		For Low-E Insulated Glass, Add	*364.44*	
		For Obscure Glass, Add	*400.88*	

08 53 13 00-0301 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*

08 53 13 00-0302	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,568.36	84.99
		For Colored Vinyl, Add	*139.84*	
		For Tinted Glass, Add	*167.81*	
		For Low-E Insulated Glass, Add	*349.60*	
		For Obscure Glass, Add	*384.56*	
08 53 13 00-0303	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,623.64	89.98
		For Colored Vinyl, Add	*144.37*	
		For Tinted Glass, Add	*173.24*	
		For Low-E Insulated Glass, Add	*360.92*	
		For Obscure Glass, Add	*397.01*	
08 53 13 00-0304	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,680.34	95.70
		For Colored Vinyl, Add	*148.89*	
		For Tinted Glass, Add	*178.67*	
		For Low-E Insulated Glass, Add	*372.24*	
		For Obscure Glass, Add	*409.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0305	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,740.10	101.42
		For Colored Vinyl, Add	*153.73*	
		For Tinted Glass, Add	*184.47*	
		For Low-E Insulated Glass, Add	*384.32*	
		For Obscure Glass, Add	*422.75*	
08 53 13 00-0306		60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*		
08 53 13 00-0307	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,651.05	89.98
		For Colored Vinyl, Add	*147.11*	
		For Tinted Glass, Add	*176.53*	
		For Low-E Insulated Glass, Add	*367.77*	
		For Obscure Glass, Add	*404.55*	
08 53 13 00-0308	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,709.27	95.70
		For Colored Vinyl, Add	*151.93*	
		For Tinted Glass, Add	*182.32*	
		For Low-E Insulated Glass, Add	*379.83*	
		For Obscure Glass, Add	*417.81*	
08 53 13 00-0309	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,768.85	101.42
		For Colored Vinyl, Add	*156.75*	
		For Tinted Glass, Add	*188.10*	
		For Low-E Insulated Glass, Add	*391.87*	
		For Obscure Glass, Add	*431.05*	
08 53 13 00-0310	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,829.58	106.41
		For Colored Vinyl, Add	*161.68*	
		For Tinted Glass, Add	*194.01*	
		For Low-E Insulated Glass, Add	*404.19*	
		For Obscure Glass, Add	*444.61*	
08 53 13 00-0311		64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*		
08 53 13 00-0312	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,733.27	93.55
		For Colored Vinyl, Add	*154.62*	
		For Tinted Glass, Add	*185.54*	
		For Low-E Insulated Glass, Add	*386.54*	
		For Obscure Glass, Add	*425.19*	
08 53 13 00-0313	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,791.48	98.55
		For Colored Vinyl, Add	*159.44*	
		For Tinted Glass, Add	*191.32*	
		For Low-E Insulated Glass, Add	*398.59*	
		For Obscure Glass, Add	*438.45*	
08 53 13 00-0314	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,850.85	104.27
		For Colored Vinyl, Add	*164.23*	
		For Tinted Glass, Add	*197.08*	
		For Low-E Insulated Glass, Add	*410.58*	
		For Obscure Glass, Add	*451.64*	
08 53 13 00-0315	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,911.78	109.98
		For Colored Vinyl, Add	*169.18*	
		For Tinted Glass, Add	*203.02*	
		For Low-E Insulated Glass, Add	*422.96*	
		For Obscure Glass, Add	*465.25*	
08 53 13 00-0316		72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0285)*		
08 53 13 00-0317	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,823.19	98.55
		For Colored Vinyl, Add	*162.61*	
		For Tinted Glass, Add	*195.13*	
		For Low-E Insulated Glass, Add	*406.52*	
		For Obscure Glass, Add	*447.17*	
08 53 13 00-0318	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,881.40	104.27
		For Colored Vinyl, Add	*167.43*	
		For Tinted Glass, Add	*200.92*	
		For Low-E Insulated Glass, Add	*418.58*	
		For Obscure Glass, Add	*460.43*	
08 53 13 00-0319	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,941.06	109.98
		For Colored Vinyl, Add	*172.25*	
		For Tinted Glass, Add	*206.70*	
		For Low-E Insulated Glass, Add	*430.63*	
		For Obscure Glass, Add	*473.69*	
08 53 13 00-0320	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,001.77	114.98
		For Colored Vinyl, Add	*177.18*	
		For Tinted Glass, Add	*212.62*	
		For Low-E Insulated Glass, Add	*442.95*	
		For Obscure Glass, Add	*487.25*	
08 53 13 00-0321		Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0238)*		
08 53 13 00-0322		36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0323	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,636.36	92.84
		For Colored Vinyl, Add	*145.07*	
		For Tinted Glass, Add	*174.08*	
		For Low-E Insulated Glass, Add	*362.67*	
		For Obscure Glass, Add	*398.94*	
08 53 13 00-0324	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,711.75	99.99
		For Colored Vinyl, Add	*151.18*	
		For Tinted Glass, Add	*181.41*	
		For Low-E Insulated Glass, Add	*377.95*	
		For Obscure Glass, Add	*415.74*	
08 53 13 00-0325	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,848.15	110.70
		For Colored Vinyl, Add	*162.68*	
		For Tinted Glass, Add	*195.21*	
		For Low-E Insulated Glass, Add	*406.69*	
		For Obscure Glass, Add	*447.36*	

08 53 13 00-0326 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*

08 53 13 00-0327	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,745.43	97.12
		For Colored Vinyl, Add	*155.26*	
		For Tinted Glass, Add	*186.31*	
		For Low-E Insulated Glass, Add	*388.15*	
		For Obscure Glass, Add	*426.97*	
08 53 13 00-0328	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,821.42	103.56
		For Colored Vinyl, Add	*161.43*	
		For Tinted Glass, Add	*193.72*	
		For Low-E Insulated Glass, Add	*403.58*	
		For Obscure Glass, Add	*443.94*	
08 53 13 00-0329	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,966.08	114.27
		For Colored Vinyl, Add	*173.76*	
		For Tinted Glass, Add	*208.51*	
		For Low-E Insulated Glass, Add	*434.39*	
		For Obscure Glass, Add	*477.83*	

08 53 13 00-0330 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*

08 53 13 00-0331	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,845.61	102.84
		For Colored Vinyl, Add	*163.99*	
		For Tinted Glass, Add	*196.79*	
		For Low-E Insulated Glass, Add	*409.98*	
		For Obscure Glass, Add	*450.98*	
08 53 13 00-0332	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,936.88	109.27
		For Colored Vinyl, Add	*171.83*	
		For Tinted Glass, Add	*206.20*	
		For Low-E Insulated Glass, Add	*429.59*	
		For Obscure Glass, Add	*472.54*	
08 53 13 00-0333	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,088.59	119.98
		For Colored Vinyl, Add	*184.86*	
		For Tinted Glass, Add	*221.84*	
		For Low-E Insulated Glass, Add	*462.16*	
		For Obscure Glass, Add	*508.37*	

08 53 13 00-0334 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*

08 53 13 00-0335	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,949.75	105.70
		For Colored Vinyl, Add	*173.84*	
		For Tinted Glass, Add	*208.60*	
		For Low-E Insulated Glass, Add	*434.59*	
		For Obscure Glass, Add	*478.05*	
08 53 13 00-0336	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,046.72	112.84
		For Colored Vinyl, Add	*182.11*	
		For Tinted Glass, Add	*218.53*	
		For Low-E Insulated Glass, Add	*455.26*	
		For Obscure Glass, Add	*500.79*	
08 53 13 00-0337	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,221.72	122.84
		For Colored Vinyl, Add	*197.61*	
		For Tinted Glass, Add	*237.13*	
		For Low-E Insulated Glass, Add	*494.01*	
		For Obscure Glass, Add	*543.41*	

08 53 13 00-0338 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*

08 53 13 00-0339	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,058.09	110.70
		For Colored Vinyl, Add	*183.67*	
		For Tinted Glass, Add	*220.40*	
		For Low-E Insulated Glass, Add	*459.18*	
		For Obscure Glass, Add	*505.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0340	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,159.38	117.83
		For Colored Vinyl, Add	*192.37*	
		For Tinted Glass, Add	*230.84*	
		For Low-E Insulated Glass, Add	*480.93*	
		For Obscure Glass, Add	*529.02*	
08 53 13 00-0341	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,359.14	127.84
		For Colored Vinyl, Add	*210.35*	
		For Tinted Glass, Add	*252.42*	
		For Low-E Insulated Glass, Add	*525.87*	
		For Obscure Glass, Add	*578.45*	

08 53 13 00-0342 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*

08 53 13 00-0343	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,176.37	114.27
		For Colored Vinyl, Add	*194.78*	
		For Tinted Glass, Add	*233.74*	
		For Low-E Insulated Glass, Add	*486.96*	
		For Obscure Glass, Add	*535.66*	
08 53 13 00-0344	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,277.60	121.41
		For Colored Vinyl, Add	*203.48*	
		For Tinted Glass, Add	*244.17*	
		For Low-E Insulated Glass, Add	*508.70*	
		For Obscure Glass, Add	*559.56*	
08 53 13 00-0345	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,477.35	131.41
		For Colored Vinyl, Add	*221.45*	
		For Tinted Glass, Add	*265.74*	
		For Low-E Insulated Glass, Add	*553.64*	
		For Obscure Glass, Add	*609.00*	

08 53 13 00-0346 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0321)*

08 53 13 00-0347	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,297.73	119.26
		For Colored Vinyl, Add	*205.92*	
		For Tinted Glass, Add	*247.10*	
		For Low-E Insulated Glass, Add	*514.80*	
		For Obscure Glass, Add	*566.28*	
08 53 13 00-0348	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,398.96	126.41
		For Colored Vinyl, Add	*214.61*	
		For Tinted Glass, Add	*257.54*	
		For Low-E Insulated Glass, Add	*536.54*	
		For Obscure Glass, Add	*590.19*	
08 53 13 00-0349	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,598.71	136.40
		For Colored Vinyl, Add	*232.59*	
		For Tinted Glass, Add	*279.11*	
		For Low-E Insulated Glass, Add	*581.48*	
		For Obscure Glass, Add	*639.62*	

08 53 13 00-0350 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0237)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0351 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0350)*

08 53 13 00-0352	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	840.44	60.71
		For Colored Vinyl, Add	*71.90*	
		For Tinted Glass, Add	*86.28*	
		For Low-E Insulated Glass, Add	*179.76*	
		For Obscure Glass, Add	*197.73*	
08 53 13 00-0353	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	954.78	67.85
		For Colored Vinyl, Add	*81.91*	
		For Tinted Glass, Add	*98.29*	
		For Low-E Insulated Glass, Add	*204.77*	
		For Obscure Glass, Add	*225.25*	
08 53 13 00-0354	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,057.82	74.98
		For Colored Vinyl, Add	*90.78*	
		For Tinted Glass, Add	*108.94*	
		For Low-E Insulated Glass, Add	*226.96*	
		For Obscure Glass, Add	*249.66*	
08 53 13 00-0355	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,149.53	82.13
		For Colored Vinyl, Add	*98.53*	
		For Tinted Glass, Add	*118.23*	
		For Low-E Insulated Glass, Add	*246.32*	
		For Obscure Glass, Add	*270.95*	
08 53 13 00-0356	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,229.96	89.27
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0357	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,277.60	96.41
		For Colored Vinyl, Add	*108.48*	
		For Tinted Glass, Add	*130.17*	
		For Low-E Insulated Glass, Add	*271.19*	
		For Obscure Glass, Add	*298.31*	
08 53 13 00-0358	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	12.60	0.92
		For Colored Vinyl, Add	*1.07*	
		For Tinted Glass, Add	*1.29*	
		For Low-E Insulated Glass, Add	*2.69*	
		For Obscure Glass, Add	*2.95*	

08 53 13 00-0359 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0350)*

08 53 13 00-0360	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,408.57	74.98
		For Colored Vinyl, Add	*125.86*	
		For Tinted Glass, Add	*151.03*	
		For Low-E Insulated Glass, Add	*314.65*	
		For Obscure Glass, Add	*346.11*	
08 53 13 00-0361	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,548.34	82.13
		For Colored Vinyl, Add	*138.41*	
		For Tinted Glass, Add	*166.09*	
		For Low-E Insulated Glass, Add	*346.02*	
		For Obscure Glass, Add	*380.62*	
08 53 13 00-0362	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,676.81	89.27
		For Colored Vinyl, Add	*149.83*	
		For Tinted Glass, Add	*179.79*	
		For Low-E Insulated Glass, Add	*374.57*	
		For Obscure Glass, Add	*412.02*	
08 53 13 00-0363	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,762.89	96.41
		For Colored Vinyl, Add	*157.01*	
		For Tinted Glass, Add	*188.41*	
		For Low-E Insulated Glass, Add	*392.52*	
		For Obscure Glass, Add	*431.77*	
08 53 13 00-0364	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,854.89	103.56
		For Colored Vinyl, Add	*164.78*	
		For Tinted Glass, Add	*197.73*	
		For Low-E Insulated Glass, Add	*411.95*	
		For Obscure Glass, Add	*453.14*	
08 53 13 00-0365	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,951.14	110.70
		For Colored Vinyl, Add	*172.98*	
		For Tinted Glass, Add	*207.57*	
		For Low-E Insulated Glass, Add	*432.44*	
		For Obscure Glass, Add	*475.68*	
08 53 13 00-0366	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	16.27	0.92
		For Colored Vinyl, Add	*1.44*	
		For Tinted Glass, Add	*1.73*	
		For Low-E Insulated Glass, Add	*3.60*	
		For Obscure Glass, Add	*3.96*	

08 53 13 00-0367 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0350)*

08 53 13 00-0368	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,470.47	74.98
		For Colored Vinyl, Add	*132.05*	
		For Tinted Glass, Add	*158.46*	
		For Low-E Insulated Glass, Add	*330.12*	
		For Obscure Glass, Add	*363.13*	
08 53 13 00-0369	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,617.02	82.13
		For Colored Vinyl, Add	*145.28*	
		For Tinted Glass, Add	*174.33*	
		For Low-E Insulated Glass, Add	*363.19*	
		For Obscure Glass, Add	*399.51*	
08 53 13 00-0370	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,755.67	89.27
		For Colored Vinyl, Add	*157.71*	
		For Tinted Glass, Add	*189.26*	
		For Low-E Insulated Glass, Add	*394.28*	
		For Obscure Glass, Add	*433.71*	
08 53 13 00-0371	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,848.53	96.41
		For Colored Vinyl, Add	*165.57*	
		For Tinted Glass, Add	*198.68*	
		For Low-E Insulated Glass, Add	*413.93*	
		For Obscure Glass, Add	*455.32*	
08 53 13 00-0372	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,948.16	103.56
		For Colored Vinyl, Add	*174.11*	
		For Tinted Glass, Add	*208.93*	
		For Low-E Insulated Glass, Add	*435.27*	
		For Obscure Glass, Add	*478.79*	
08 53 13 00-0373	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	2,052.89	110.70
		For Colored Vinyl, Add	*183.15*	
		For Tinted Glass, Add	*219.78*	
		For Low-E Insulated Glass, Add	*457.88*	
		For Obscure Glass, Add	*503.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0374	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	17.12	0.92
		For Colored Vinyl, Add	*1.53*	
		For Tinted Glass, Add	*1.83*	
		For Low-E Insulated Glass, Add	*3.82*	
		For Obscure Glass, Add	*4.20*	

08 53 13 00-0375 New Or Replacement, Casement Vinyl Windows *(08 53 13 00-0237)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0376 One Operating Sash, New Or Replacement, Casement Vinyl Windows (Superior Windows & Doors 700) *(08 53 13 00-0375)*

08 53 13 00-0377	EA	Up To 53" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	840.44	60.71
		For Colored Vinyl, Add	*71.90*	
		For Tinted Glass, Add	*86.28*	
		For Low-E Insulated Glass, Add	*179.76*	
		For Obscure Glass, Add	*197.73*	
08 53 13 00-0378	EA	>53 To 63" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	954.78	67.85
		For Colored Vinyl, Add	*81.91*	
		For Tinted Glass, Add	*98.29*	
		For Low-E Insulated Glass, Add	*204.77*	
		For Obscure Glass, Add	*225.25*	
08 53 13 00-0379	EA	>63 To 73" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,057.82	74.98
		For Colored Vinyl, Add	*90.78*	
		For Tinted Glass, Add	*108.94*	
		For Low-E Insulated Glass, Add	*226.96*	
		For Obscure Glass, Add	*249.66*	
08 53 13 00-0380	EA	>73" To 83" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,149.53	82.13
		For Colored Vinyl, Add	*98.53*	
		For Tinted Glass, Add	*118.23*	
		For Low-E Insulated Glass, Add	*246.32*	
		For Obscure Glass, Add	*270.95*	
08 53 13 00-0381	EA	>83" To 93" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,229.96	89.27
		For Colored Vinyl, Add	*105.14*	
		For Tinted Glass, Add	*126.17*	
		For Low-E Insulated Glass, Add	*262.86*	
		For Obscure Glass, Add	*289.14*	
08 53 13 00-0382	EA	>93" To 101" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,277.60	96.41
		For Colored Vinyl, Add	*108.48*	
		For Tinted Glass, Add	*130.17*	
		For Low-E Insulated Glass, Add	*271.19*	
		For Obscure Glass, Add	*298.31*	
08 53 13 00-0383	UI	>101" UI, One Operating Sash, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	12.60	0.92
		For Colored Vinyl, Add	*1.07*	
		For Tinted Glass, Add	*1.29*	
		For Low-E Insulated Glass, Add	*2.69*	
		For Obscure Glass, Add	*2.95*	

08 53 13 00-0384 Two Operating Sashes, New Or Replacement, Casement Vinyl Windows (Superior Windows & Doors 700) *(08 53 13 00-0375)*

08 53 13 00-0385	EA	Up To 73" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,408.55	74.98
		For Colored Vinyl, Add	*125.86*	
		For Tinted Glass, Add	*151.03*	
		For Low-E Insulated Glass, Add	*314.64*	
		For Obscure Glass, Add	*346.11*	
08 53 13 00-0386	EA	>73" To 83" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,548.31	82.13
		For Colored Vinyl, Add	*138.41*	
		For Tinted Glass, Add	*166.09*	
		For Low-E Insulated Glass, Add	*346.02*	
		For Obscure Glass, Add	*380.62*	
08 53 13 00-0387	EA	>83" To 93" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,676.79	89.27
		For Colored Vinyl, Add	*149.83*	
		For Tinted Glass, Add	*179.79*	
		For Low-E Insulated Glass, Add	*374.56*	
		For Obscure Glass, Add	*412.02*	
08 53 13 00-0388	EA	>93" To 101" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,762.87	96.41
		For Colored Vinyl, Add	*157.00*	
		For Tinted Glass, Add	*188.40*	
		For Low-E Insulated Glass, Add	*392.51*	
		For Obscure Glass, Add	*431.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0389	EA	>101" To 110" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,854.89	103.56
		For Colored Vinyl, Add	*164.78*	
		For Tinted Glass, Add	*197.73*	
		For Low-E Insulated Glass, Add	*411.95*	
		For Obscure Glass, Add	*453.14*	
08 53 13 00-0390	EA	>110" To 120" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,951.14	110.70
		For Colored Vinyl, Add	*172.98*	
		For Tinted Glass, Add	*207.57*	
		For Low-E Insulated Glass, Add	*432.44*	
		For Obscure Glass, Add	*475.68*	
08 53 13 00-0391	UI	>120" UI, Two Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	16.30	0.92
		For Colored Vinyl, Add	*1.44*	
		For Tinted Glass, Add	*1.73*	
		For Low-E Insulated Glass, Add	*3.61*	
		For Obscure Glass, Add	*3.97*	

08 53 13 00-0392 Three Operating Sashes, New Or Replacement, Casement Vinyl Windows (Superior Windows & Doors 700) *(08 53 13 00-0375)*

08 53 13 00-0393	EA	Up To 73" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,470.47	74.98
		For Colored Vinyl, Add	*132.05*	
		For Tinted Glass, Add	*158.46*	
		For Low-E Insulated Glass, Add	*330.12*	
		For Obscure Glass, Add	*363.13*	
08 53 13 00-0394	EA	>73" To 83" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,617.02	82.13
		For Colored Vinyl, Add	*145.28*	
		For Tinted Glass, Add	*174.33*	
		For Low-E Insulated Glass, Add	*363.19*	
		For Obscure Glass, Add	*399.51*	
08 53 13 00-0395	EA	>83" To 93" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	3,332.80	89.27
		For Colored Vinyl, Add	*315.43*	
		For Tinted Glass, Add	*378.51*	
		For Low-E Insulated Glass, Add	*788.57*	
		For Obscure Glass, Add	*867.42*	
08 53 13 00-0396	EA	>93" To 101" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,848.53	96.41
		For Colored Vinyl, Add	*165.57*	
		For Tinted Glass, Add	*198.68*	
		For Low-E Insulated Glass, Add	*413.93*	
		For Obscure Glass, Add	*455.32*	
08 53 13 00-0397	EA	>101" To 110" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	1,948.16	103.56
		For Colored Vinyl, Add	*174.11*	
		For Tinted Glass, Add	*208.93*	
		For Low-E Insulated Glass, Add	*435.27*	
		For Obscure Glass, Add	*478.79*	
08 53 13 00-0398	EA	>110" To 120" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	2,052.89	110.70
		For Colored Vinyl, Add	*183.15*	
		For Tinted Glass, Add	*219.78*	
		For Low-E Insulated Glass, Add	*457.88*	
		For Obscure Glass, Add	*503.66*	
08 53 13 00-0399	UI	>120" UI, Three Operating Sashes, New Or Replacement, Casement Vinyl Window (Superior Windows & Doors 700)	17.12	0.92
		For Colored Vinyl, Add	*1.53*	
		For Tinted Glass, Add	*1.83*	
		For Low-E Insulated Glass, Add	*3.82*	
		For Obscure Glass, Add	*4.20*	

08 53 13 00-0400 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0401 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0400)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0402 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0401)*

08 53 13 00-0403 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0402)*

08 53 13 00-0404	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	847.29	58.57
		For Colored Vinyl, Add	*73.02*	
		For Tinted Glass, Add	*87.62*	
		For Low-E Insulated Glass, Add	*182.54*	
		For Obscure Glass, Add	*200.80*	
08 53 13 00-0405	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	886.93	61.42
		For Colored Vinyl, Add	*76.41*	
		For Tinted Glass, Add	*91.69*	
		For Low-E Insulated Glass, Add	*191.02*	
		For Obscure Glass, Add	*210.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0406	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	947.80	66.42
		For Colored Vinyl, Add	*81.50*	
		For Tinted Glass, Add	*97.80*	
		For Low-E Insulated Glass, Add	*203.74*	
		For Obscure Glass, Add	*224.11*	
08 53 13 00-0407	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	986.93	69.99
		For Colored Vinyl, Add	*84.70*	
		For Tinted Glass, Add	*101.64*	
		For Low-E Insulated Glass, Add	*211.74*	
		For Obscure Glass, Add	*232.91*	
08 53 13 00-0408	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,051.16	75.70
		For Colored Vinyl, Add	*89.98*	
		For Tinted Glass, Add	*107.97*	
		For Low-E Insulated Glass, Add	*224.94*	
		For Obscure Glass, Add	*247.43*	

08 53 13 00-0409 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0402)*

08 53 13 00-0410	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	893.98	61.42
		For Colored Vinyl, Add	*77.26*	
		For Tinted Glass, Add	*92.71*	
		For Low-E Insulated Glass, Add	*193.14*	
		For Obscure Glass, Add	*212.46*	
08 53 13 00-0411	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	933.60	64.28
		For Colored Vinyl, Add	*80.65*	
		For Tinted Glass, Add	*96.78*	
		For Low-E Insulated Glass, Add	*201.62*	
		For Obscure Glass, Add	*221.78*	
08 53 13 00-0412	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	999.17	68.56
		For Colored Vinyl, Add	*86.21*	
		For Tinted Glass, Add	*103.45*	
		For Low-E Insulated Glass, Add	*215.51*	
		For Obscure Glass, Add	*237.06*	
08 53 13 00-0413	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,038.37	72.84
		For Colored Vinyl, Add	*89.41*	
		For Tinted Glass, Add	*107.29*	
		For Low-E Insulated Glass, Add	*223.53*	
		For Obscure Glass, Add	*245.88*	
08 53 13 00-0414	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,107.22	77.85
		For Colored Vinyl, Add	*95.15*	
		For Tinted Glass, Add	*114.18*	
		For Low-E Insulated Glass, Add	*237.88*	
		For Obscure Glass, Add	*261.67*	

08 53 13 00-0415 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0402)*

08 53 13 00-0416	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	923.20	64.28
		For Colored Vinyl, Add	*79.61*	
		For Tinted Glass, Add	*95.53*	
		For Low-E Insulated Glass, Add	*199.02*	
		For Obscure Glass, Add	*218.92*	
08 53 13 00-0417	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	962.84	67.13
		For Colored Vinyl, Add	*83.00*	
		For Tinted Glass, Add	*99.60*	
		For Low-E Insulated Glass, Add	*207.50*	
		For Obscure Glass, Add	*228.25*	
08 53 13 00-0418	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,030.78	71.41
		For Colored Vinyl, Add	*88.79*	
		For Tinted Glass, Add	*106.55*	
		For Low-E Insulated Glass, Add	*221.99*	
		For Obscure Glass, Add	*244.18*	
08 53 13 00-0419	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,073.76	75.70
		For Colored Vinyl, Add	*92.38*	
		For Tinted Glass, Add	*110.85*	
		For Low-E Insulated Glass, Add	*230.95*	
		For Obscure Glass, Add	*254.04*	
08 53 13 00-0420	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,143.57	80.70
		For Colored Vinyl, Add	*98.22*	
		For Tinted Glass, Add	*117.86*	
		For Low-E Insulated Glass, Add	*245.54*	
		For Obscure Glass, Add	*270.10*	

08 53 13 00-0421 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0402)*

08 53 13 00-0422	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	952.49	67.13
		For Colored Vinyl, Add	*81.97*	
		For Tinted Glass, Add	*98.36*	
		For Low-E Insulated Glass, Add	*204.91*	
		For Obscure Glass, Add	*225.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0423	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	992.12	69.99
		For Colored Vinyl, Add	*85.36*	
		For Tinted Glass, Add	*102.43*	
		For Low-E Insulated Glass, Add	*213.39*	
		For Obscure Glass, Add	*234.73*	
08 53 13 00-0424	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,062.44	74.27
		For Colored Vinyl, Add	*91.39*	
		For Tinted Glass, Add	*109.67*	
		For Low-E Insulated Glass, Add	*228.47*	
		For Obscure Glass, Add	*251.32*	
08 53 13 00-0425	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,108.92	78.56
		For Colored Vinyl, Add	*95.32*	
		For Tinted Glass, Add	*114.39*	
		For Low-E Insulated Glass, Add	*238.31*	
		For Obscure Glass, Add	*262.14*	
08 53 13 00-0426	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,179.93	83.56
		For Colored Vinyl, Add	*101.28*	
		For Tinted Glass, Add	*121.54*	
		For Low-E Insulated Glass, Add	*253.20*	
		For Obscure Glass, Add	*278.52*	
08 53 13 00-0427		36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0402)*		
08 53 13 00-0428	EA	36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,124.21	79.28
		For Colored Vinyl, Add	*96.57*	
		For Tinted Glass, Add	*115.88*	
		For Low-E Insulated Glass, Add	*241.42*	
		For Obscure Glass, Add	*265.56*	
08 53 13 00-0429	EA	40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,170.76	82.85
		For Colored Vinyl, Add	*100.51*	
		For Tinted Glass, Add	*120.61*	
		For Low-E Insulated Glass, Add	*251.27*	
		For Obscure Glass, Add	*276.39*	
08 53 13 00-0430	EA	48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,246.45	88.56
		For Colored Vinyl, Add	*106.93*	
		For Tinted Glass, Add	*128.32*	
		For Low-E Insulated Glass, Add	*267.34*	
		For Obscure Glass, Add	*294.07*	
08 53 13 00-0431		Replacement, Awning Vinyl Windows (Silver Line 7400) *(08 53 13 00-0400)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0432	EA	Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	885.38	60.71
		For Colored Vinyl, Add	*76.40*	
		For Tinted Glass, Add	*91.68*	
		For Low-E Insulated Glass, Add	*190.99*	
		For Obscure Glass, Add	*210.09*	
08 53 13 00-0433	EA	>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,026.00	67.85
		For Colored Vinyl, Add	*89.03*	
		For Tinted Glass, Add	*106.84*	
		For Low-E Insulated Glass, Add	*222.58*	
		For Obscure Glass, Add	*244.84*	
08 53 13 00-0434	EA	>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,160.98	74.98
		For Colored Vinyl, Add	*101.10*	
		For Tinted Glass, Add	*121.32*	
		For Low-E Insulated Glass, Add	*252.75*	
		For Obscure Glass, Add	*278.03*	
08 53 13 00-0435	EA	>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,290.29	82.13
		For Colored Vinyl, Add	*112.60*	
		For Tinted Glass, Add	*135.12*	
		For Low-E Insulated Glass, Add	*281.51*	
		For Obscure Glass, Add	*309.66*	
08 53 13 00-0436	EA	>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,413.96	89.27
		For Colored Vinyl, Add	*123.54*	
		For Tinted Glass, Add	*148.25*	
		For Low-E Insulated Glass, Add	*308.86*	
		For Obscure Glass, Add	*339.74*	
08 53 13 00-0437	EA	>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,477.43	96.41
		For Colored Vinyl, Add	*128.46*	
		For Tinted Glass, Add	*154.15*	
		For Low-E Insulated Glass, Add	*321.15*	
		For Obscure Glass, Add	*353.27*	
08 53 13 00-0438	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	14.58	0.92
		For Colored Vinyl, Add	*1.27*	
		For Tinted Glass, Add	*1.53*	
		For Low-E Insulated Glass, Add	*3.18*	
		For Obscure Glass, Add	*3.50*	
08 53 13 00-0439		New Or Replacement, Awning Vinyl Windows (Superior Windows & Doors 700) *(08 53 13 00-0400)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0440	EA	Up To 53" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	885.41	60.71
		For Colored Vinyl, Add	*76.40*	
		For Tinted Glass, Add	*91.68*	
		For Low-E Insulated Glass, Add	*191.00*	
		For Obscure Glass, Add	*210.10*	
08 53 13 00-0441	EA	>53" To 63" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	1,026.00	67.85
		For Colored Vinyl, Add	*89.03*	
		For Tinted Glass, Add	*106.84*	
		For Low-E Insulated Glass, Add	*222.58*	
		For Obscure Glass, Add	*244.84*	
08 53 13 00-0442	EA	>63" To 73" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	1,161.01	74.98
		For Colored Vinyl, Add	*101.10*	
		For Tinted Glass, Add	*121.32*	
		For Low-E Insulated Glass, Add	*252.76*	
		For Obscure Glass, Add	*278.03*	
08 53 13 00-0443	EA	>73" To 83" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	1,290.29	82.13
		For Colored Vinyl, Add	*112.60*	
		For Tinted Glass, Add	*135.12*	
		For Low-E Insulated Glass, Add	*281.51*	
		For Obscure Glass, Add	*309.66*	
08 53 13 00-0444	EA	>83" To 93" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	1,413.93	89.27
		For Colored Vinyl, Add	*123.54*	
		For Tinted Glass, Add	*148.25*	
		For Low-E Insulated Glass, Add	*308.85*	
		For Obscure Glass, Add	*339.73*	
08 53 13 00-0445	EA	>93" To 101" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	1,477.40	96.41
		For Colored Vinyl, Add	*128.46*	
		For Tinted Glass, Add	*154.15*	
		For Low-E Insulated Glass, Add	*321.14*	
		For Obscure Glass, Add	*353.26*	
08 53 13 00-0446	UI	>101" UI, New Or Replacement, Awning Vinyl Window (Superior Windows & Doors 700)	27.32	0.92
		For Colored Vinyl, Add	*2.55*	
		For Tinted Glass, Add	*3.06*	
		For Low-E Insulated Glass, Add	*6.37*	
		For Obscure Glass, Add	*7.00*	

08 53 13 00-0447 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0448 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0447)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0449 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0450	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	479.81	69.99
		For Colored Vinyl, Add	*34.13*	
		For Tinted Glass, Add	*40.95*	
		For Low-E Insulated Glass, Add	*85.32*	
		For Obscure Glass, Add	*93.85*	
08 53 13 00-0451	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	530.41	78.56
		For Colored Vinyl, Add	*37.47*	
		For Tinted Glass, Add	*44.97*	
		For Low-E Insulated Glass, Add	*93.68*	
		For Obscure Glass, Add	*103.05*	
08 53 13 00-0452	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	555.71	82.13
		For Colored Vinyl, Add	*39.15*	
		For Tinted Glass, Add	*46.98*	
		For Low-E Insulated Glass, Add	*97.87*	
		For Obscure Glass, Add	*107.65*	
08 53 13 00-0453	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	581.02	86.42
		For Colored Vinyl, Add	*40.82*	
		For Tinted Glass, Add	*48.98*	
		For Low-E Insulated Glass, Add	*102.05*	
		For Obscure Glass, Add	*112.25*	
08 53 13 00-0454	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	597.86	89.98
		For Colored Vinyl, Add	*41.93*	
		For Tinted Glass, Add	*50.32*	
		For Low-E Insulated Glass, Add	*104.83*	
		For Obscure Glass, Add	*115.31*	
08 53 13 00-0455	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	631.62	94.98
		For Colored Vinyl, Add	*44.17*	
		For Tinted Glass, Add	*53.00*	
		For Low-E Insulated Glass, Add	*110.41*	
		For Obscure Glass, Add	*121.45*	

08 53 13 00-0456 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0457	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	504.35	72.84
		For Colored Vinyl, Add	*36.01*	
		For Tinted Glass, Add	*43.21*	
		For Low-E Insulated Glass, Add	*90.02*	
		For Obscure Glass, Add	*99.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0458	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	556.47	81.42
		For Colored Vinyl, Add	*39.51*	
		For Tinted Glass, Add	*47.41*	
		For Low-E Insulated Glass, Add	*98.77*	
		For Obscure Glass, Add	*108.64*	
08 53 13 00-0459	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	582.74	84.99
		For Colored Vinyl, Add	*41.28*	
		For Tinted Glass, Add	*49.53*	
		For Low-E Insulated Glass, Add	*103.19*	
		For Obscure Glass, Add	*113.51*	
08 53 13 00-0460	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	608.66	89.27
		For Colored Vinyl, Add	*43.01*	
		For Tinted Glass, Add	*51.61*	
		For Low-E Insulated Glass, Add	*107.53*	
		For Obscure Glass, Add	*118.28*	
08 53 13 00-0461	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.02	92.84
		For Colored Vinyl, Add	*44.18*	
		For Tinted Glass, Add	*53.01*	
		For Low-E Insulated Glass, Add	*110.44*	
		For Obscure Glass, Add	*121.49*	
08 53 13 00-0462	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	660.79	97.84
		For Colored Vinyl, Add	*46.51*	
		For Tinted Glass, Add	*55.81*	
		For Low-E Insulated Glass, Add	*116.28*	
		For Obscure Glass, Add	*127.91*	

08 53 13 00-0463 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0464	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	578.46	81.42
		For Colored Vinyl, Add	*41.71*	
		For Tinted Glass, Add	*50.05*	
		For Low-E Insulated Glass, Add	*104.27*	
		For Obscure Glass, Add	*114.69*	
08 53 13 00-0465	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	635.51	89.98
		For Colored Vinyl, Add	*45.70*	
		For Tinted Glass, Add	*54.84*	
		For Low-E Insulated Glass, Add	*114.24*	
		For Obscure Glass, Add	*125.67*	
08 53 13 00-0466	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	664.10	93.55
		For Colored Vinyl, Add	*47.70*	
		For Tinted Glass, Add	*57.24*	
		For Low-E Insulated Glass, Add	*119.25*	
		For Obscure Glass, Add	*131.17*	
08 53 13 00-0467	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.62	97.84
		For Colored Vinyl, Add	*49.69*	
		For Tinted Glass, Add	*59.63*	
		For Low-E Insulated Glass, Add	*124.24*	
		For Obscure Glass, Add	*136.66*	
08 53 13 00-0468	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	711.67	99.99
		For Colored Vinyl, Add	*51.03*	
		For Tinted Glass, Add	*61.23*	
		For Low-E Insulated Glass, Add	*127.57*	
		For Obscure Glass, Add	*140.33*	
08 53 13 00-0469	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	749.73	106.41
		For Colored Vinyl, Add	*53.69*	
		For Tinted Glass, Add	*64.43*	
		For Low-E Insulated Glass, Add	*134.23*	
		For Obscure Glass, Add	*147.65*	

08 53 13 00-0470 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0471	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.52	85.70
		For Colored Vinyl, Add	*44.56*	
		For Tinted Glass, Add	*53.47*	
		For Low-E Insulated Glass, Add	*111.39*	
		For Obscure Glass, Add	*122.53*	
08 53 13 00-0472	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	675.07	94.27
		For Colored Vinyl, Add	*48.80*	
		For Tinted Glass, Add	*58.55*	
		For Low-E Insulated Glass, Add	*121.99*	
		For Obscure Glass, Add	*134.19*	
08 53 13 00-0473	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	704.88	97.84
		For Colored Vinyl, Add	*50.92*	
		For Tinted Glass, Add	*61.10*	
		For Low-E Insulated Glass, Add	*127.30*	
		For Obscure Glass, Add	*140.03*	
08 53 13 00-0474	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	734.65	102.13
		For Colored Vinyl, Add	*53.04*	
		For Tinted Glass, Add	*63.65*	
		For Low-E Insulated Glass, Add	*132.60*	
		For Obscure Glass, Add	*145.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0475	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	754.45	105.70
		For Colored Vinyl, Add	*54.45*	
		For Tinted Glass, Add	*65.34*	
		For Low-E Insulated Glass, Add	*136.12*	
		For Obscure Glass, Add	*149.73*	
08 53 13 00-0476	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	794.19	110.70
		For Colored Vinyl, Add	*57.28*	
		For Tinted Glass, Add	*68.74*	
		For Low-E Insulated Glass, Add	*143.20*	
		For Obscure Glass, Add	*157.52*	

08 53 13 00-0477 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0478	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	627.88	87.13
		For Colored Vinyl, Add	*45.51*	
		For Tinted Glass, Add	*54.61*	
		For Low-E Insulated Glass, Add	*113.76*	
		For Obscure Glass, Add	*125.14*	
08 53 13 00-0479	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	688.26	95.70
		For Colored Vinyl, Add	*49.83*	
		For Tinted Glass, Add	*59.79*	
		For Low-E Insulated Glass, Add	*124.57*	
		For Obscure Glass, Add	*137.03*	
08 53 13 00-0480	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	718.43	99.27
		For Colored Vinyl, Add	*51.99*	
		For Tinted Glass, Add	*62.39*	
		For Low-E Insulated Glass, Add	*129.97*	
		For Obscure Glass, Add	*142.97*	
08 53 13 00-0481	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	748.64	103.56
		For Colored Vinyl, Add	*54.15*	
		For Tinted Glass, Add	*64.98*	
		For Low-E Insulated Glass, Add	*135.39*	
		For Obscure Glass, Add	*148.92*	
08 53 13 00-0482	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	768.78	107.13
		For Colored Vinyl, Add	*55.60*	
		For Tinted Glass, Add	*66.71*	
		For Low-E Insulated Glass, Add	*138.99*	
		For Obscure Glass, Add	*152.89*	
08 53 13 00-0483	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	808.97	112.12
		For Colored Vinyl, Add	*58.47*	
		For Tinted Glass, Add	*70.17*	
		For Low-E Insulated Glass, Add	*146.18*	
		For Obscure Glass, Add	*160.80*	

08 53 13 00-0484 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0485	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	640.24	88.56
		For Colored Vinyl, Add	*46.46*	
		For Tinted Glass, Add	*55.75*	
		For Low-E Insulated Glass, Add	*116.14*	
		For Obscure Glass, Add	*127.75*	
08 53 13 00-0486	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	701.41	97.12
		For Colored Vinyl, Add	*50.86*	
		For Tinted Glass, Add	*61.03*	
		For Low-E Insulated Glass, Add	*127.15*	
		For Obscure Glass, Add	*139.86*	
08 53 13 00-0487	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	732.02	100.70
		For Colored Vinyl, Add	*53.06*	
		For Tinted Glass, Add	*63.68*	
		For Low-E Insulated Glass, Add	*132.66*	
		For Obscure Glass, Add	*145.92*	
08 53 13 00-0488	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	762.59	104.99
		For Colored Vinyl, Add	*55.26*	
		For Tinted Glass, Add	*66.31*	
		For Low-E Insulated Glass, Add	*138.16*	
		For Obscure Glass, Add	*151.97*	
08 53 13 00-0489	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	782.99	108.55
		For Colored Vinyl, Add	*56.73*	
		For Tinted Glass, Add	*68.08*	
		For Low-E Insulated Glass, Add	*141.83*	
		For Obscure Glass, Add	*156.01*	
08 53 13 00-0490	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	823.81	113.55
		For Colored Vinyl, Add	*59.67*	
		For Tinted Glass, Add	*71.61*	
		For Low-E Insulated Glass, Add	*149.18*	
		For Obscure Glass, Add	*164.10*	

08 53 13 00-0491 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0492	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	652.58	89.98
		For Colored Vinyl, Add	*47.40*	
		For Tinted Glass, Add	*56.88*	
		For Low-E Insulated Glass, Add	*118.51*	
		For Obscure Glass, Add	*130.36*	
08 53 13 00-0493	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	714.61	98.55
		For Colored Vinyl, Add	*51.89*	
		For Tinted Glass, Add	*62.27*	
		For Low-E Insulated Glass, Add	*129.73*	
		For Obscure Glass, Add	*142.71*	
08 53 13 00-0494	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	745.62	102.13
		For Colored Vinyl, Add	*54.14*	
		For Tinted Glass, Add	*64.96*	
		For Low-E Insulated Glass, Add	*135.34*	
		For Obscure Glass, Add	*148.88*	
08 53 13 00-0495	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	776.58	106.41
		For Colored Vinyl, Add	*56.38*	
		For Tinted Glass, Add	*67.65*	
		For Low-E Insulated Glass, Add	*140.94*	
		For Obscure Glass, Add	*155.03*	
08 53 13 00-0496	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	797.27	109.98
		For Colored Vinyl, Add	*57.87*	
		For Tinted Glass, Add	*69.45*	
		For Low-E Insulated Glass, Add	*144.68*	
		For Obscure Glass, Add	*159.15*	
08 53 13 00-0497	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	838.65	114.98
		For Colored Vinyl, Add	*60.87*	
		For Tinted Glass, Add	*73.04*	
		For Low-E Insulated Glass, Add	*152.17*	
		For Obscure Glass, Add	*167.39*	

08 53 13 00-0498 50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0499	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	664.94	91.41
		For Colored Vinyl, Add	*48.35*	
		For Tinted Glass, Add	*58.02*	
		For Low-E Insulated Glass, Add	*120.89*	
		For Obscure Glass, Add	*132.97*	
08 53 13 00-0500	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	727.75	99.99
		For Colored Vinyl, Add	*52.92*	
		For Tinted Glass, Add	*63.51*	
		For Low-E Insulated Glass, Add	*132.30*	
		For Obscure Glass, Add	*145.53*	
08 53 13 00-0501	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	759.15	103.56
		For Colored Vinyl, Add	*55.21*	
		For Tinted Glass, Add	*66.25*	
		For Low-E Insulated Glass, Add	*138.01*	
		For Obscure Glass, Add	*151.81*	
08 53 13 00-0502	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	790.57	107.84
		For Colored Vinyl, Add	*57.49*	
		For Tinted Glass, Add	*68.99*	
		For Low-E Insulated Glass, Add	*143.72*	
		For Obscure Glass, Add	*158.09*	
08 53 13 00-0503	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	811.54	111.41
		For Colored Vinyl, Add	*59.02*	
		For Tinted Glass, Add	*70.82*	
		For Low-E Insulated Glass, Add	*147.54*	
		For Obscure Glass, Add	*162.29*	
08 53 13 00-0504	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	853.44	116.41
		For Colored Vinyl, Add	*62.06*	
		For Tinted Glass, Add	*74.47*	
		For Low-E Insulated Glass, Add	*155.16*	
		For Obscure Glass, Add	*170.67*	

08 53 13 00-0505 52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0506	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	677.29	92.84
		For Colored Vinyl, Add	*49.30*	
		For Tinted Glass, Add	*59.16*	
		For Low-E Insulated Glass, Add	*123.26*	
		For Obscure Glass, Add	*135.59*	
08 53 13 00-0507	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	740.95	101.42
		For Colored Vinyl, Add	*53.96*	
		For Tinted Glass, Add	*64.75*	
		For Low-E Insulated Glass, Add	*134.89*	
		For Obscure Glass, Add	*148.38*	
08 53 13 00-0508	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	772.76	104.99
		For Colored Vinyl, Add	*56.28*	
		For Tinted Glass, Add	*67.53*	
		For Low-E Insulated Glass, Add	*140.70*	
		For Obscure Glass, Add	*154.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0509	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	804.62	109.27
		For Colored Vinyl, Add	*58.61*	
		For Tinted Glass, Add	*70.33*	
		For Low-E Insulated Glass, Add	*146.52*	
		For Obscure Glass, Add	*161.17*	
08 53 13 00-0510	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	825.82	112.84
		For Colored Vinyl, Add	*60.16*	
		For Tinted Glass, Add	*72.19*	
		For Low-E Insulated Glass, Add	*150.39*	
		For Obscure Glass, Add	*165.43*	
08 53 13 00-0511	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	868.28	117.83
		For Colored Vinyl, Add	*63.26*	
		For Tinted Glass, Add	*75.91*	
		For Low-E Insulated Glass, Add	*158.15*	
		For Obscure Glass, Add	*173.97*	

08 53 13 00-0512 54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0513	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	689.65	94.27
		For Colored Vinyl, Add	*50.25*	
		For Tinted Glass, Add	*60.30*	
		For Low-E Insulated Glass, Add	*125.63*	
		For Obscure Glass, Add	*138.20*	
08 53 13 00-0514	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	754.10	102.84
		For Colored Vinyl, Add	*54.99*	
		For Tinted Glass, Add	*65.98*	
		For Low-E Insulated Glass, Add	*137.46*	
		For Obscure Glass, Add	*151.21*	
08 53 13 00-0515	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	786.36	106.41
		For Colored Vinyl, Add	*57.35*	
		For Tinted Glass, Add	*68.82*	
		For Low-E Insulated Glass, Add	*143.38*	
		For Obscure Glass, Add	*157.72*	
08 53 13 00-0516	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	818.61	110.70
		For Colored Vinyl, Add	*59.72*	
		For Tinted Glass, Add	*71.67*	
		For Low-E Insulated Glass, Add	*149.31*	
		For Obscure Glass, Add	*164.24*	
08 53 13 00-0517	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	840.09	114.27
		For Colored Vinyl, Add	*61.30*	
		For Tinted Glass, Add	*73.56*	
		For Low-E Insulated Glass, Add	*153.25*	
		For Obscure Glass, Add	*168.57*	
08 53 13 00-0518	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	883.06	119.26
		For Colored Vinyl, Add	*64.45*	
		For Tinted Glass, Add	*77.34*	
		For Low-E Insulated Glass, Add	*161.13*	
		For Obscure Glass, Add	*177.25*	

08 53 13 00-0519 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0448)*

08 53 13 00-0520	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	751.74	98.55
		For Colored Vinyl, Add	*55.61*	
		For Tinted Glass, Add	*66.73*	
		For Low-E Insulated Glass, Add	*139.02*	
		For Obscure Glass, Add	*152.92*	
08 53 13 00-0521	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	793.65	107.13
		For Colored Vinyl, Add	*58.08*	
		For Tinted Glass, Add	*69.70*	
		For Low-E Insulated Glass, Add	*145.21*	
		For Obscure Glass, Add	*159.73*	
08 53 13 00-0522	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	827.14	110.70
		For Colored Vinyl, Add	*60.58*	
		For Tinted Glass, Add	*72.69*	
		For Low-E Insulated Glass, Add	*151.44*	
		For Obscure Glass, Add	*166.58*	
08 53 13 00-0523	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	860.59	114.98
		For Colored Vinyl, Add	*63.06*	
		For Tinted Glass, Add	*75.68*	
		For Low-E Insulated Glass, Add	*157.66*	
		For Obscure Glass, Add	*173.42*	
08 53 13 00-0524	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	882.92	118.55
		For Colored Vinyl, Add	*64.72*	
		For Tinted Glass, Add	*77.67*	
		For Low-E Insulated Glass, Add	*161.81*	
		For Obscure Glass, Add	*177.99*	
08 53 13 00-0525	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	927.53	123.55
		For Colored Vinyl, Add	*68.04*	
		For Tinted Glass, Add	*81.65*	
		For Low-E Insulated Glass, Add	*170.11*	
		For Obscure Glass, Add	*187.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0526		Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0447)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0527	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	789.59	74.98
		For Colored Vinyl, Add	*63.96*	
		For Tinted Glass, Add	*76.75*	
		For Low-E Insulated Glass, Add	*159.90*	
		For Obscure Glass, Add	*175.89*	
08 53 13 00-0528	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	868.02	82.13
		For Colored Vinyl, Add	*70.38*	
		For Tinted Glass, Add	*84.45*	
		For Low-E Insulated Glass, Add	*175.94*	
		For Obscure Glass, Add	*193.54*	
08 53 13 00-0529	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	940.82	89.27
		For Colored Vinyl, Add	*76.23*	
		For Tinted Glass, Add	*91.47*	
		For Low-E Insulated Glass, Add	*190.57*	
		For Obscure Glass, Add	*209.63*	
08 53 13 00-0530	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	992.13	96.41
		For Colored Vinyl, Add	*79.93*	
		For Tinted Glass, Add	*95.92*	
		For Low-E Insulated Glass, Add	*199.83*	
		For Obscure Glass, Add	*219.81*	
08 53 13 00-0531	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,046.54	103.56
		For Colored Vinyl, Add	*83.94*	
		For Tinted Glass, Add	*100.73*	
		For Low-E Insulated Glass, Add	*209.86*	
		For Obscure Glass, Add	*230.85*	
08 53 13 00-0532	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,137.14	110.70
		For Colored Vinyl, Add	*91.58*	
		For Tinted Glass, Add	*109.89*	
		For Low-E Insulated Glass, Add	*228.94*	
		For Obscure Glass, Add	*251.83*	
08 53 13 00-0533	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	9.49	0.92
		For Colored Vinyl, Add	*0.76*	
		For Tinted Glass, Add	*0.92*	
		For Low-E Insulated Glass, Add	*1.91*	
		For Obscure Glass, Add	*2.10*	
08 53 13 00-0534		New Or Replacement, Horizontal Sliding Vinyl Windows (Superior Windows & Doors 5600) *(08 53 13 00-0447)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0535	EA	Up To 73" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	789.62	74.98
		For Colored Vinyl, Add	*63.96*	
		For Tinted Glass, Add	*76.76*	
		For Low-E Insulated Glass, Add	*159.91*	
		For Obscure Glass, Add	*175.90*	
08 53 13 00-0536	EA	>73" To 83" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	868.02	82.13
		For Colored Vinyl, Add	*70.38*	
		For Tinted Glass, Add	*84.45*	
		For Low-E Insulated Glass, Add	*175.94*	
		For Obscure Glass, Add	*193.54*	
08 53 13 00-0537	EA	>83" To 93" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	940.79	89.27
		For Colored Vinyl, Add	*76.23*	
		For Tinted Glass, Add	*91.47*	
		For Low-E Insulated Glass, Add	*190.56*	
		For Obscure Glass, Add	*209.62*	
08 53 13 00-0538	EA	>93" To 101" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	992.13	96.41
		For Colored Vinyl, Add	*79.93*	
		For Tinted Glass, Add	*95.92*	
		For Low-E Insulated Glass, Add	*199.83*	
		For Obscure Glass, Add	*219.81*	
08 53 13 00-0539	EA	>101" To 110" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	1,046.54	103.56
		For Colored Vinyl, Add	*83.94*	
		For Tinted Glass, Add	*100.73*	
		For Low-E Insulated Glass, Add	*209.86*	
		For Obscure Glass, Add	*230.85*	
08 53 13 00-0540	EA	>110" To 120" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	1,137.14	110.70
		For Colored Vinyl, Add	*91.58*	
		For Tinted Glass, Add	*109.89*	
		For Low-E Insulated Glass, Add	*228.94*	
		For Obscure Glass, Add	*251.83*	
08 53 13 00-0541	UI	>120" UI, New Or Replacement, Horizontal Sliding Vinyl Window (Superior Windows & Doors 5600)	9.47	0.92
		For Colored Vinyl, Add	*0.76*	
		For Tinted Glass, Add	*0.91*	
		For Low-E Insulated Glass, Add	*1.90*	
		For Obscure Glass, Add	*2.09*	
08 53 13 00-0542		Horizontal Sliding Premium Vinyl Windows (Pella 350) *(08 53 13 00-0447)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear high-performance Low-E insulating glass. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0543	EA	Up To 60" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	548.67	71.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0544	EA	>60" To 73" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	599.21	74.98
08 53 13 00-0545	EA	>73" To 83" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	658.54	82.13
08 53 13 00-0546	EA	>83" To 93" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	713.92	89.27
08 53 13 00-0547	EA	>93" To 101" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	754.22	96.41
08 53 13 00-0548	EA	>101" To 110" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	796.68	103.56
08 53 13 00-0549	EA	>110" To 120" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	864.56	110.70
08 53 13 00-0550	UI	>120" UI, Horizontal Sliding Premium Vinyl Window (Pella 350)	7.22	0.92

08 53 13 00-0551 Fixed Picture Vinyl Windows *(08 53 13)*

08 53 13 00-0552 New Or Replacement, Fixed Picture Vinyl Windows (Superior Windows & Doors 5602) *(08 53 13 00-0551)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0553	EA	Up To 73" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	669.93	74.98
		For Colored Vinyl, Add	*52.00*	
		For Tinted Glass, Add	*62.39*	
		For Low-E Insulated Glass, Add	*129.99*	
		For Obscure Glass, Add	*142.99*	
08 53 13 00-0554	EA	>73" To 83" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	734.31	82.13
		For Colored Vinyl, Add	*57.01*	
		For Tinted Glass, Add	*68.41*	
		For Low-E Insulated Glass, Add	*142.52*	
		For Obscure Glass, Add	*156.77*	
08 53 13 00-0555	EA	>83" To 93" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	793.61	89.27
		For Colored Vinyl, Add	*61.51*	
		For Tinted Glass, Add	*73.81*	
		For Low-E Insulated Glass, Add	*153.77*	
		For Obscure Glass, Add	*169.14*	
08 53 13 00-0556	EA	>93" To 101" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	835.14	96.41
		For Colored Vinyl, Add	*64.23*	
		For Tinted Glass, Add	*77.08*	
		For Low-E Insulated Glass, Add	*160.58*	
		For Obscure Glass, Add	*176.64*	
08 53 13 00-0557	EA	>101" To 110" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	878.65	103.56
		For Colored Vinyl, Add	*67.16*	
		For Tinted Glass, Add	*80.59*	
		For Low-E Insulated Glass, Add	*167.89*	
		For Obscure Glass, Add	*184.68*	
08 53 13 00-0558	EA	>110" To 120" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	953.99	110.70
		For Colored Vinyl, Add	*73.26*	
		For Tinted Glass, Add	*87.91*	
		For Low-E Insulated Glass, Add	*183.15*	
		For Obscure Glass, Add	*201.47*	
08 53 13 00-0559	UI	>120" UI, New Or Replacement, Fixed Picture Vinyl Window (Superior Windows & Doors 5602)	7.98	0.92
		For Colored Vinyl, Add	*0.61*	
		For Tinted Glass, Add	*0.73*	
		For Low-E Insulated Glass, Add	*1.53*	
		For Obscure Glass, Add	*1.68*	

08 53 13 00-0560 Fixed Picture Premium Vinyl Windows (Jeld Wen V4500) *(08 53 13 00-0551)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear high-performance Low-E insulating glass. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0561	EA	Up To 48" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	376.50	67.85
08 53 13 00-0562	EA	>48" To 60" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	440.11	71.41
08 53 13 00-0563	EA	>60" To 73" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	497.77	74.98
08 53 13 00-0564	EA	>73" To 83" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	545.55	82.13
08 53 13 00-0565	EA	>83" To 93" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	589.97	89.27
08 53 13 00-0566	EA	>93" To 101" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	622.45	96.41
08 53 13 00-0567	EA	>101" To 110" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	656.29	103.56
08 53 13 00-0568	EA	>110" To 120" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	711.41	110.70
08 53 13 00-0569	UI	>120" UI, Fixed Picture Premium Vinyl Window (Jeld Wen V4500)	5.94	0.92

08 53 13 00-0570 Fixed Picture Premium Vinyl Windows (Pella 350) *(08 53 13 00-0551)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear high-performance Low-E insulating glass. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0571	EA	Up To 48" UI, Fixed Picture Premium Vinyl Window (Pella 350)	388.54	67.85
08 53 13 00-0572	EA	>48" To 60" UI, Fixed Picture Premium Vinyl Window (Pella 350)	454.97	71.41
08 53 13 00-0573	EA	>60" To 73" UI, Fixed Picture Premium Vinyl Window (Pella 350)	515.17	74.98
08 53 13 00-0574	EA	>73" To 83" UI, Fixed Picture Premium Vinyl Window (Pella 350)	564.63	82.13
08 53 13 00-0575	EA	>83" To 93" UI, Fixed Picture Premium Vinyl Window (Pella 350)	610.54	89.27
08 53 13 00-0576	EA	>93" To 101" UI, Fixed Picture Premium Vinyl Window (Pella 350)	643.93	96.41
08 53 13 00-0577	EA	>101" To 110" UI, Fixed Picture Premium Vinyl Window (Pella 350)	678.75	103.56
08 53 13 00-0578	EA	>110" To 120" UI, Fixed Picture Premium Vinyl Window (Pella 350)	735.92	110.70
08 53 13 00-0579	UI	>120" UI, Fixed Picture Premium Vinyl Window (Pella 350)	6.15	0.92

08 53 13 00-0580 Basement Vinyl Windows *(08 53 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0581		New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0580)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0582	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	453.44	57.14
		For Colored Vinyl, Add	*33.92*	
		For Tinted Glass, Add	*40.70*	
		For Low-E Insulated Glass, Add	*84.79*	
		For Obscure Glass, Add	*93.27*	
08 53 13 00-0583	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	493.01	57.14
		For Colored Vinyl, Add	*37.87*	
		For Tinted Glass, Add	*45.45*	
		For Low-E Insulated Glass, Add	*94.69*	
		For Obscure Glass, Add	*104.15*	
08 53 13 00-0584	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	515.62	57.14
		For Colored Vinyl, Add	*40.14*	
		For Tinted Glass, Add	*48.16*	
		For Low-E Insulated Glass, Add	*100.34*	
		For Obscure Glass, Add	*110.37*	
08 53 13 00-0585		Replacement, Basement Vinyl Windows *(08 53 13 00-0580)* Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0586	EA	Up To 47" UI, Replacement, Basement Vinyl Window	591.90	55.71
		For Colored Vinyl, Add	*48.05*	
		For Tinted Glass, Add	*57.66*	
		For Low-E Insulated Glass, Add	*120.12*	
		For Obscure Glass, Add	*132.13*	
08 53 13 00-0587	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	657.09	64.28
		For Colored Vinyl, Add	*52.85*	
		For Tinted Glass, Add	*63.42*	
		For Low-E Insulated Glass, Add	*132.14*	
		For Obscure Glass, Add	*145.35*	
08 53 13 00-0588	UI	>55" UI, Replacement, Basement Vinyl Window	11.47	0.92
		For Colored Vinyl, Add	*0.96*	
		For Tinted Glass, Add	*1.15*	
		For Low-E Insulated Glass, Add	*2.40*	
		For Obscure Glass, Add	*2.64*	
08 53 13 00-0589		Accessories For Vinyl Windows *(08 53 13)*		
08 53 13 00-0590		Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0589)*		
08 53 13 00-0591		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0590)*		
08 53 13 00-0592	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	79.14	
08 53 13 00-0593	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	101.75	
08 53 13 00-0594	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	131.04	
08 53 13 00-0595	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	154.68	
08 53 13 00-0596	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	190.14	
08 53 13 00-0597		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0590)*		
08 53 13 00-0598	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	179.86	
08 53 13 00-0599	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	215.83	
08 53 13 00-0600	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	272.36	
08 53 13 00-0601	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	339.17	
08 53 13 00-0602	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	405.97	
08 53 66		**Vinyl Window Screens** *(08 53)*		
08 53 66 00-0001		Insect Screens For Vinyl Windows *(08 53 66)*		
08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	70.57	9.59
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	101.40	9.59
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	111.68	9.59
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	132.24	9.59
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	178.49	9.59
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	199.04	9.59
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	229.87	9.59
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	250.43	9.59
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	7.67	0.19

08 54 Composite Windows *(08 50)*

08 54 13 Fiberglass Windows *(08 54)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0001		Single Hung Fiberglass Windows *(08 54 13)*		
08 54 13 00-0002		New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0001)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0003		34" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0004	EA	24" x 34", New Construction, Single Hung Fiberglass Window	1,055.86	65.70
		For Colored Vinyl, Add	*92.45*	
		For Tinted Glass, Add	*110.93*	
		For Low-E Insulated Glass, Add	*231.11*	
		For Obscure Glass, Add	*254.22*	
08 54 13 00-0005	EA	28" x 34", New Construction, Single Hung Fiberglass Window	1,113.04	68.56
		For Colored Vinyl, Add	*97.59*	
		For Tinted Glass, Add	*117.11*	
		For Low-E Insulated Glass, Add	*243.98*	
		For Obscure Glass, Add	*268.38*	
08 54 13 00-0006	EA	30" x 34", New Construction, Single Hung Fiberglass Window	1,135.81	69.99
		For Colored Vinyl, Add	*99.58*	
		For Tinted Glass, Add	*119.50*	
		For Low-E Insulated Glass, Add	*248.96*	
		For Obscure Glass, Add	*273.86*	
08 54 13 00-0007	EA	32" x 34", New Construction, Single Hung Fiberglass Window	1,161.15	71.41
		For Colored Vinyl, Add	*101.83*	
		For Tinted Glass, Add	*122.20*	
		For Low-E Insulated Glass, Add	*254.58*	
		For Obscure Glass, Add	*280.04*	
08 54 13 00-0008	EA	36" x 34", New Construction, Single Hung Fiberglass Window	1,229.89	74.27
		For Colored Vinyl, Add	*108.13*	
		For Tinted Glass, Add	*129.76*	
		For Low-E Insulated Glass, Add	*270.34*	
		For Obscure Glass, Add	*297.37*	
08 54 13 00-0009	EA	44" x 34", New Construction, Single Hung Fiberglass Window	1,336.55	79.99
		For Colored Vinyl, Add	*117.66*	
		For Tinted Glass, Add	*141.19*	
		For Low-E Insulated Glass, Add	*294.15*	
		For Obscure Glass, Add	*323.56*	
08 54 13 00-0010		36" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0011	EA	24" x 36", New Construction, Single Hung Fiberglass Window	1,076.82	67.13
		For Colored Vinyl, Add	*94.26*	
		For Tinted Glass, Add	*113.11*	
		For Low-E Insulated Glass, Add	*235.64*	
		For Obscure Glass, Add	*259.20*	
08 54 13 00-0012	EA	28" x 36", New Construction, Single Hung Fiberglass Window	1,134.07	68.56
		For Colored Vinyl, Add	*99.41*	
		For Tinted Glass, Add	*119.29*	
		For Low-E Insulated Glass, Add	*248.53*	
		For Obscure Glass, Add	*273.38*	
08 54 13 00-0013	EA	30" x 36", New Construction, Single Hung Fiberglass Window	1,156.86	71.41
		For Colored Vinyl, Add	*101.40*	
		For Tinted Glass, Add	*121.68*	
		For Low-E Insulated Glass, Add	*253.51*	
		For Obscure Glass, Add	*278.86*	
08 54 13 00-0014	EA	32" x 36", New Construction, Single Hung Fiberglass Window	1,182.17	72.84
		For Colored Vinyl, Add	*103.65*	
		For Tinted Glass, Add	*124.38*	
		For Low-E Insulated Glass, Add	*259.12*	
		For Obscure Glass, Add	*285.03*	
08 54 13 00-0015	EA	36" x 36", New Construction, Single Hung Fiberglass Window	1,250.85	75.70
		For Colored Vinyl, Add	*109.94*	
		For Tinted Glass, Add	*131.93*	
		For Low-E Insulated Glass, Add	*274.86*	
		For Obscure Glass, Add	*302.35*	
08 54 13 00-0016	EA	44" x 36", New Construction, Single Hung Fiberglass Window	1,357.51	81.42
		For Colored Vinyl, Add	*119.47*	
		For Tinted Glass, Add	*143.36*	
		For Low-E Insulated Glass, Add	*298.67*	
		For Obscure Glass, Add	*328.54*	
08 54 13 00-0017		38" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0018	EA	24" x 38", New Construction, Single Hung Fiberglass Window	1,096.98	68.56
		For Colored Vinyl, Add	*95.99*	
		For Tinted Glass, Add	*115.18*	
		For Low-E Insulated Glass, Add	*239.97*	
		For Obscure Glass, Add	*263.96*	
08 54 13 00-0019	EA	28" x 38", New Construction, Single Hung Fiberglass Window	1,154.24	71.41
		For Colored Vinyl, Add	*101.14*	
		For Tinted Glass, Add	*121.37*	
		For Low-E Insulated Glass, Add	*252.85*	
		For Obscure Glass, Add	*278.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0020	EA	30" x 38", New Construction, Single Hung Fiberglass Window	1,178.10	72.84
		For Colored Vinyl, Add	*103.24*	
		For Tinted Glass, Add	*123.89*	
		For Low-E Insulated Glass, Add	*258.10*	
		For Obscure Glass, Add	*283.91*	
08 54 13 00-0021	EA	32" x 38", New Construction, Single Hung Fiberglass Window	1,203.50	74.27
		For Colored Vinyl, Add	*105.50*	
		For Tinted Glass, Add	*126.59*	
		For Low-E Insulated Glass, Add	*263.74*	
		For Obscure Glass, Add	*290.11*	
08 54 13 00-0022	EA	36" x 38", New Construction, Single Hung Fiberglass Window	1,273.48	77.14
		For Colored Vinyl, Add	*111.92*	
		For Tinted Glass, Add	*134.31*	
		For Low-E Insulated Glass, Add	*279.81*	
		For Obscure Glass, Add	*307.79*	
08 54 13 00-0023	EA	44" x 38", New Construction, Single Hung Fiberglass Window	1,381.89	82.85
		For Colored Vinyl, Add	*121.62*	
		For Tinted Glass, Add	*145.94*	
		For Low-E Insulated Glass, Add	*304.05*	
		For Obscure Glass, Add	*334.46*	
08 54 13 00-0024		**44" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0025	EA	24" x 44", New Construction, Single Hung Fiberglass Window	1,158.98	72.84
		For Colored Vinyl, Add	*101.33*	
		For Tinted Glass, Add	*121.59*	
		For Low-E Insulated Glass, Add	*253.32*	
		For Obscure Glass, Add	*278.65*	
08 54 13 00-0026	EA	28" x 44", New Construction, Single Hung Fiberglass Window	1,216.17	75.70
		For Colored Vinyl, Add	*106.48*	
		For Tinted Glass, Add	*127.77*	
		For Low-E Insulated Glass, Add	*266.19*	
		For Obscure Glass, Add	*292.81*	
08 54 13 00-0027	EA	30" x 44", New Construction, Single Hung Fiberglass Window	1,243.89	77.14
		For Colored Vinyl, Add	*108.96*	
		For Tinted Glass, Add	*130.76*	
		For Low-E Insulated Glass, Add	*272.41*	
		For Obscure Glass, Add	*299.65*	
08 54 13 00-0028	EA	32" x 44", New Construction, Single Hung Fiberglass Window	1,269.21	78.56
		For Colored Vinyl, Add	*111.21*	
		For Tinted Glass, Add	*133.45*	
		For Low-E Insulated Glass, Add	*278.02*	
		For Obscure Glass, Add	*305.82*	
08 54 13 00-0029	EA	36" x 44", New Construction, Single Hung Fiberglass Window	1,343.04	81.42
		For Colored Vinyl, Add	*118.02*	
		For Tinted Glass, Add	*141.63*	
		For Low-E Insulated Glass, Add	*295.05*	
		For Obscure Glass, Add	*324.56*	
08 54 13 00-0030	EA	44" x 44", New Construction, Single Hung Fiberglass Window	1,456.18	87.13
		For Colored Vinyl, Add	*128.19*	
		For Tinted Glass, Add	*153.83*	
		For Low-E Insulated Glass, Add	*320.48*	
		For Obscure Glass, Add	*352.53*	
08 54 13 00-0031		**46" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0032	EA	24" x 46", New Construction, Single Hung Fiberglass Window	1,179.94	74.27
		For Colored Vinyl, Add	*103.14*	
		For Tinted Glass, Add	*123.77*	
		For Low-E Insulated Glass, Add	*257.85*	
		For Obscure Glass, Add	*283.63*	
08 54 13 00-0033	EA	28" x 46", New Construction, Single Hung Fiberglass Window	1,237.20	77.14
		For Colored Vinyl, Add	*108.29*	
		For Tinted Glass, Add	*129.95*	
		For Low-E Insulated Glass, Add	*270.74*	
		For Obscure Glass, Add	*297.81*	
08 54 13 00-0034	EA	30" x 46", New Construction, Single Hung Fiberglass Window	1,266.01	78.56
		For Colored Vinyl, Add	*110.89*	
		For Tinted Glass, Add	*133.07*	
		For Low-E Insulated Glass, Add	*277.22*	
		For Obscure Glass, Add	*304.94*	
08 54 13 00-0035	EA	32" x 46", New Construction, Single Hung Fiberglass Window	1,291.40	79.99
		For Colored Vinyl, Add	*113.14*	
		For Tinted Glass, Add	*135.77*	
		For Low-E Insulated Glass, Add	*282.86*	
		For Obscure Glass, Add	*311.14*	
08 54 13 00-0036	EA	36" x 46", New Construction, Single Hung Fiberglass Window	1,366.33	82.85
		For Colored Vinyl, Add	*120.06*	
		For Tinted Glass, Add	*144.08*	
		For Low-E Insulated Glass, Add	*300.16*	
		For Obscure Glass, Add	*330.18*	
08 54 13 00-0037	EA	44" x 46", New Construction, Single Hung Fiberglass Window	1,481.28	88.56
		For Colored Vinyl, Add	*130.42*	
		For Tinted Glass, Add	*156.50*	
		For Low-E Insulated Glass, Add	*326.04*	
		For Obscure Glass, Add	*358.65*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0038		**48" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0039	EA	24" x 48", New Construction, Single Hung Fiberglass Window	1,201.27	75.70
		For Colored Vinyl, Add	*104.99*	
		For Tinted Glass, Add	*125.98*	
		For Low-E Insulated Glass, Add	*262.47*	
		For Obscure Glass, Add	*288.71*	
08 54 13 00-0040	EA	28" x 48", New Construction, Single Hung Fiberglass Window	1,258.45	78.56
		For Colored Vinyl, Add	*110.13*	
		For Tinted Glass, Add	*132.16*	
		For Low-E Insulated Glass, Add	*275.33*	
		For Obscure Glass, Add	*302.87*	
08 54 13 00-0041	EA	30" x 48", New Construction, Single Hung Fiberglass Window	1,288.49	79.99
		For Colored Vinyl, Add	*112.85*	
		For Tinted Glass, Add	*135.42*	
		For Low-E Insulated Glass, Add	*282.13*	
		For Obscure Glass, Add	*310.34*	
08 54 13 00-0042	EA	32" x 48", New Construction, Single Hung Fiberglass Window	1,313.82	81.42
		For Colored Vinyl, Add	*115.10*	
		For Tinted Glass, Add	*138.12*	
		For Low-E Insulated Glass, Add	*287.75*	
		For Obscure Glass, Add	*316.52*	
08 54 13 00-0043	EA	36" x 48", New Construction, Single Hung Fiberglass Window	1,390.13	84.27
		For Colored Vinyl, Add	*122.16*	
		For Tinted Glass, Add	*146.59*	
		For Low-E Insulated Glass, Add	*305.40*	
		For Obscure Glass, Add	*335.93*	
08 54 13 00-0044	EA	44" x 48", New Construction, Single Hung Fiberglass Window	1,506.60	89.98
		For Colored Vinyl, Add	*132.66*	
		For Tinted Glass, Add	*159.20*	
		For Low-E Insulated Glass, Add	*331.66*	
		For Obscure Glass, Add	*364.82*	
08 54 13 00-0045		**50" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0046	EA	24" x 50", New Construction, Single Hung Fiberglass Window	1,221.35	77.14
		For Colored Vinyl, Add	*106.71*	
		For Tinted Glass, Add	*128.05*	
		For Low-E Insulated Glass, Add	*266.77*	
		For Obscure Glass, Add	*293.45*	
08 54 13 00-0047	EA	28" x 50", New Construction, Single Hung Fiberglass Window	1,278.60	79.99
		For Colored Vinyl, Add	*111.86*	
		For Tinted Glass, Add	*134.24*	
		For Low-E Insulated Glass, Add	*279.66*	
		For Obscure Glass, Add	*307.62*	
08 54 13 00-0048	EA	30" x 50", New Construction, Single Hung Fiberglass Window	1,309.89	81.42
		For Colored Vinyl, Add	*114.71*	
		For Tinted Glass, Add	*137.65*	
		For Low-E Insulated Glass, Add	*286.77*	
		For Obscure Glass, Add	*315.44*	
08 54 13 00-0049	EA	32" x 50", New Construction, Single Hung Fiberglass Window	1,335.29	82.85
		For Colored Vinyl, Add	*116.96*	
		For Tinted Glass, Add	*140.35*	
		For Low-E Insulated Glass, Add	*292.40*	
		For Obscure Glass, Add	*321.64*	
08 54 13 00-0050	EA	36" x 50", New Construction, Single Hung Fiberglass Window	1,412.68	85.70
		For Colored Vinyl, Add	*124.13*	
		For Tinted Glass, Add	*148.95*	
		For Low-E Insulated Glass, Add	*310.32*	
		For Obscure Glass, Add	*341.35*	
08 54 13 00-0051	EA	44" x 50", New Construction, Single Hung Fiberglass Window	1,530.75	91.41
		For Colored Vinyl, Add	*134.79*	
		For Tinted Glass, Add	*161.75*	
		For Low-E Insulated Glass, Add	*336.98*	
		For Obscure Glass, Add	*370.68*	
08 54 13 00-0052		**52" Height, New Construction, Single Hung Fiberglass Windows** *(08 54 13 00-0002)*		
08 54 13 00-0053	EA	24" x 52", New Construction, Single Hung Fiberglass Window	1,241.66	78.56
		For Colored Vinyl, Add	*108.45*	
		For Tinted Glass, Add	*130.14*	
		For Low-E Insulated Glass, Add	*271.14*	
		For Obscure Glass, Add	*298.25*	
08 54 13 00-0054	EA	28" x 52", New Construction, Single Hung Fiberglass Window	1,298.91	81.42
		For Colored Vinyl, Add	*113.61*	
		For Tinted Glass, Add	*136.33*	
		For Low-E Insulated Glass, Add	*284.02*	
		For Obscure Glass, Add	*312.42*	
08 54 13 00-0055	EA	30" x 52", New Construction, Single Hung Fiberglass Window	1,331.51	82.85
		For Colored Vinyl, Add	*116.58*	
		For Tinted Glass, Add	*139.90*	
		For Low-E Insulated Glass, Add	*291.46*	
		For Obscure Glass, Add	*320.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0056	EA	32" x 52", New Construction, Single Hung Fiberglass Window	1,356.83	84.27
		For Colored Vinyl, Add	*118.83*	
		For Tinted Glass, Add	*142.59*	
		For Low-E Insulated Glass, Add	*297.07*	
		For Obscure Glass, Add	*326.78*	
08 54 13 00-0057	EA	36" x 52", New Construction, Single Hung Fiberglass Window	1,435.60	87.13
		For Colored Vinyl, Add	*126.13*	
		For Tinted Glass, Add	*151.36*	
		For Low-E Insulated Glass, Add	*315.34*	
		For Obscure Glass, Add	*346.87*	
08 54 13 00-0058	EA	44" x 52", New Construction, Single Hung Fiberglass Window	1,555.28	92.84
		For Colored Vinyl, Add	*136.96*	
		For Tinted Glass, Add	*164.35*	
		For Low-E Insulated Glass, Add	*342.40*	
		For Obscure Glass, Add	*376.64*	
08 54 13 00-0059		54" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0060	EA	24" x 54", New Construction, Single Hung Fiberglass Window	1,261.88	79.99
		For Colored Vinyl, Add	*110.19*	
		For Tinted Glass, Add	*132.23*	
		For Low-E Insulated Glass, Add	*275.48*	
		For Obscure Glass, Add	*303.03*	
08 54 13 00-0061	EA	28" x 54", New Construction, Single Hung Fiberglass Window	1,319.15	82.85
		For Colored Vinyl, Add	*115.35*	
		For Tinted Glass, Add	*138.42*	
		For Low-E Insulated Glass, Add	*288.37*	
		For Obscure Glass, Add	*317.20*	
08 54 13 00-0062	EA	30" x 54", New Construction, Single Hung Fiberglass Window	1,352.91	84.27
		For Colored Vinyl, Add	*118.44*	
		For Tinted Glass, Add	*142.12*	
		For Low-E Insulated Glass, Add	*296.09*	
		For Obscure Glass, Add	*325.70*	
08 54 13 00-0063	EA	32" x 54", New Construction, Single Hung Fiberglass Window	1,378.29	85.70
		For Colored Vinyl, Add	*120.69*	
		For Tinted Glass, Add	*144.83*	
		For Low-E Insulated Glass, Add	*301.72*	
		For Obscure Glass, Add	*331.89*	
08 54 13 00-0064	EA	36" x 54", New Construction, Single Hung Fiberglass Window	1,458.16	88.56
		For Colored Vinyl, Add	*128.11*	
		For Tinted Glass, Add	*153.73*	
		For Low-E Insulated Glass, Add	*320.26*	
		For Obscure Glass, Add	*352.29*	
08 54 13 00-0065	EA	44" x 54", New Construction, Single Hung Fiberglass Window	1,579.44	94.27
		For Colored Vinyl, Add	*139.09*	
		For Tinted Glass, Add	*166.91*	
		For Low-E Insulated Glass, Add	*347.73*	
		For Obscure Glass, Add	*382.50*	
08 54 13 00-0066		60" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		
08 54 13 00-0067	EA	24" x 60", New Construction, Single Hung Fiberglass Window	1,324.92	84.27
		For Colored Vinyl, Add	*115.64*	
		For Tinted Glass, Add	*138.76*	
		For Low-E Insulated Glass, Add	*289.09*	
		For Obscure Glass, Add	*318.00*	
08 54 13 00-0068	EA	28" x 60", New Construction, Single Hung Fiberglass Window	1,382.17	87.13
		For Colored Vinyl, Add	*120.79*	
		For Tinted Glass, Add	*144.95*	
		For Low-E Insulated Glass, Add	*301.98*	
		For Obscure Glass, Add	*332.18*	
08 54 13 00-0069	EA	30" x 60", New Construction, Single Hung Fiberglass Window	1,419.41	88.56
		For Colored Vinyl, Add	*124.23*	
		For Tinted Glass, Add	*149.08*	
		For Low-E Insulated Glass, Add	*310.58*	
		For Obscure Glass, Add	*341.63*	
08 54 13 00-0070	EA	32" x 60", New Construction, Single Hung Fiberglass Window	1,444.80	89.98
		For Colored Vinyl, Add	*126.48*	
		For Tinted Glass, Add	*151.78*	
		For Low-E Insulated Glass, Add	*316.21*	
		For Obscure Glass, Add	*347.83*	
08 54 13 00-0071	EA	36" x 60", New Construction, Single Hung Fiberglass Window	1,528.45	92.84
		For Colored Vinyl, Add	*134.28*	
		For Tinted Glass, Add	*161.13*	
		For Low-E Insulated Glass, Add	*335.69*	
		For Obscure Glass, Add	*369.26*	
08 54 13 00-0072	EA	44" x 60", New Construction, Single Hung Fiberglass Window	1,654.67	98.55
		For Colored Vinyl, Add	*145.76*	
		For Tinted Glass, Add	*174.91*	
		For Low-E Insulated Glass, Add	*364.39*	
		For Obscure Glass, Add	*400.83*	
08 54 13 00-0073		62" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0074	EA	24" x 62", New Construction, Single Hung Fiberglass Window	1,345.21	85.70
		For Colored Vinyl, Add	*117.38*	
		For Tinted Glass, Add	*140.86*	
		For Low-E Insulated Glass, Add	*293.45*	
		For Obscure Glass, Add	*322.80*	
08 54 13 00-0075	EA	28" x 62", New Construction, Single Hung Fiberglass Window	1,402.40	88.56
		For Colored Vinyl, Add	*122.53*	
		For Tinted Glass, Add	*147.03*	
		For Low-E Insulated Glass, Add	*306.32*	
		For Obscure Glass, Add	*336.95*	
08 54 13 00-0076	EA	30" x 62", New Construction, Single Hung Fiberglass Window	1,441.17	89.98
		For Colored Vinyl, Add	*126.12*	
		For Tinted Glass, Add	*151.34*	
		For Low-E Insulated Glass, Add	*315.30*	
		For Obscure Glass, Add	*346.83*	
08 54 13 00-0077	EA	32" x 62", New Construction, Single Hung Fiberglass Window	1,466.48	91.41
		For Colored Vinyl, Add	*128.37*	
		For Tinted Glass, Add	*154.04*	
		For Low-E Insulated Glass, Add	*320.92*	
		For Obscure Glass, Add	*353.01*	
08 54 13 00-0078	EA	36" x 62", New Construction, Single Hung Fiberglass Window	1,551.30	94.27
		For Colored Vinyl, Add	*136.28*	
		For Tinted Glass, Add	*163.53*	
		For Low-E Insulated Glass, Add	*340.69*	
		For Obscure Glass, Add	*374.76*	
08 54 13 00-0079	EA	44" x 62", New Construction, Single Hung Fiberglass Window	1,679.27	99.99
		For Colored Vinyl, Add	*147.93*	
		For Tinted Glass, Add	*177.52*	
		For Low-E Insulated Glass, Add	*369.83*	
		For Obscure Glass, Add	*406.81*	

08 54 13 00-0080 66" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0081	EA	24" x 66", New Construction, Single Hung Fiberglass Window	1,386.62	88.56
		For Colored Vinyl, Add	*120.95*	
		For Tinted Glass, Add	*145.14*	
		For Low-E Insulated Glass, Add	*302.38*	
		For Obscure Glass, Add	*332.62*	
08 54 13 00-0082	EA	28" x 66", New Construction, Single Hung Fiberglass Window	1,443.87	91.41
		For Colored Vinyl, Add	*126.11*	
		For Tinted Glass, Add	*151.33*	
		For Low-E Insulated Glass, Add	*315.26*	
		For Obscure Glass, Add	*346.79*	
08 54 13 00-0083	EA	30" x 66", New Construction, Single Hung Fiberglass Window	1,484.90	92.84
		For Colored Vinyl, Add	*129.92*	
		For Tinted Glass, Add	*155.91*	
		For Low-E Insulated Glass, Add	*324.81*	
		For Obscure Glass, Add	*357.29*	
08 54 13 00-0084	EA	32" x 66", New Construction, Single Hung Fiberglass Window	1,510.23	94.27
		For Colored Vinyl, Add	*132.17*	
		For Tinted Glass, Add	*158.60*	
		For Low-E Insulated Glass, Add	*330.42*	
		For Obscure Glass, Add	*363.46*	
08 54 13 00-0085	EA	36" x 66", New Construction, Single Hung Fiberglass Window	1,597.66	97.12
		For Colored Vinyl, Add	*140.34*	
		For Tinted Glass, Add	*168.41*	
		For Low-E Insulated Glass, Add	*350.85*	
		For Obscure Glass, Add	*385.94*	
08 54 13 00-0086	EA	44" x 66", New Construction, Single Hung Fiberglass Window	1,728.67	102.84
		For Colored Vinyl, Add	*152.30*	
		For Tinted Glass, Add	*182.76*	
		For Low-E Insulated Glass, Add	*380.75*	
		For Obscure Glass, Add	*418.82*	

08 54 13 00-0087 72" Height, New Construction, Single Hung Fiberglass Windows *(08 54 13 00-0002)*

08 54 13 00-0088	EA	24" x 72", New Construction, Single Hung Fiberglass Window	1,449.64	92.84
		For Colored Vinyl, Add	*126.40*	
		For Tinted Glass, Add	*151.68*	
		For Low-E Insulated Glass, Add	*315.99*	
		For Obscure Glass, Add	*347.59*	
08 54 13 00-0089	EA	28" x 72", New Construction, Single Hung Fiberglass Window	1,506.83	95.70
		For Colored Vinyl, Add	*131.54*	
		For Tinted Glass, Add	*157.85*	
		For Low-E Insulated Glass, Add	*328.86*	
		For Obscure Glass, Add	*361.74*	
08 54 13 00-0090	EA	30" x 72", New Construction, Single Hung Fiberglass Window	1,547.86	97.12
		For Colored Vinyl, Add	*135.36*	
		For Tinted Glass, Add	*162.43*	
		For Low-E Insulated Glass, Add	*338.40*	
		For Obscure Glass, Add	*372.24*	
08 54 13 00-0091	EA	32" x 72", New Construction, Single Hung Fiberglass Window	1,573.25	98.55
		For Colored Vinyl, Add	*137.61*	
		For Tinted Glass, Add	*165.14*	
		For Low-E Insulated Glass, Add	*344.04*	
		For Obscure Glass, Add	*378.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0092	EA	36" x 72", New Construction, Single Hung Fiberglass Window	1,660.67	101.42
		For Colored Vinyl, Add	*145.79*	
		For Tinted Glass, Add	*174.94*	
		For Low-E Insulated Glass, Add	*364.46*	
		For Obscure Glass, Add	*400.91*	
08 54 13 00-0093	EA	44" x 72", New Construction, Single Hung Fiberglass Window	1,791.69	107.13
		For Colored Vinyl, Add	*157.74*	
		For Tinted Glass, Add	*189.29*	
		For Low-E Insulated Glass, Add	*394.36*	
		For Obscure Glass, Add	*433.80*	

08 54 13 00-0094 Replacement, Single Hung Fiberglass Windows *(08 54 13 00-0001)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Fiberglass Window	1,633.35	74.98
		For Colored Vinyl, Add	*148.34*	
		For Tinted Glass, Add	*178.00*	
		For Low-E Insulated Glass, Add	*370.84*	
		For Obscure Glass, Add	*407.93*	
08 54 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Fiberglass Window	1,790.62	82.13
		For Colored Vinyl, Add	*162.64*	
		For Tinted Glass, Add	*195.16*	
		For Low-E Insulated Glass, Add	*406.59*	
		For Obscure Glass, Add	*447.25*	
08 54 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Fiberglass Window	1,933.37	89.27
		For Colored Vinyl, Add	*175.48*	
		For Tinted Glass, Add	*210.58*	
		For Low-E Insulated Glass, Add	*438.71*	
		For Obscure Glass, Add	*482.58*	
08 54 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Fiberglass Window	2,025.31	96.41
		For Colored Vinyl, Add	*183.25*	
		For Tinted Glass, Add	*219.90*	
		For Low-E Insulated Glass, Add	*458.12*	
		For Obscure Glass, Add	*503.93*	
08 54 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Fiberglass Window	2,123.04	103.56
		For Colored Vinyl, Add	*191.59*	
		For Tinted Glass, Add	*229.91*	
		For Low-E Insulated Glass, Add	*478.99*	
		For Obscure Glass, Add	*526.88*	
08 54 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Fiberglass Window	2,311.51	110.70
		For Colored Vinyl, Add	*209.01*	
		For Tinted Glass, Add	*250.81*	
		For Low-E Insulated Glass, Add	*522.53*	
		For Obscure Glass, Add	*574.78*	
08 54 13 00-0101	UI	>120" UI, Replacement, Single Hung Fiberglass Window	19.31	0.92
		For Colored Vinyl, Add	*1.75*	
		For Tinted Glass, Add	*2.09*	
		For Low-E Insulated Glass, Add	*4.36*	
		For Obscure Glass, Add	*4.80*	

08 54 13 00-0102 New Construction, Single Hung Fiberglass Windows (Anderson Windows) *(08 54 13 00-0001)*

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0103	EA	Up To 73" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	787.28	74.98
08 54 13 00-0104	EA	>73" To 83" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	862.97	82.13
08 54 13 00-0105	EA	>83" To 93" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	932.45	89.27
08 54 13 00-0106	EA	>93" To 101" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	980.09	96.41
08 54 13 00-0107	EA	>101" To 110" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	1,030.23	103.56
08 54 13 00-0108	EA	>110" To 120" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	1,119.34	110.70
08 54 13 00-0109	UI	>120" UI, Single Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, half insect screen	9.34	0.92

08 54 13 00-0110 Double Hung Fiberglass Windows *(08 54 13)*

08 54 13 00-0111 New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0110)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0112 34" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*

08 54 13 00-0113	EA	24" x 34", New Construction, Double Hung Fiberglass Window	1,614.20	65.70
		For Colored Vinyl, Add	*148.28*	
		For Tinted Glass, Add	*177.93*	
		For Low-E Insulated Glass, Add	*370.70*	
		For Obscure Glass, Add	*407.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0114	EA	28" x 34", New Construction, Double Hung Fiberglass Window	1,671.45	68.56
		For Colored Vinyl, Add	*153.43*	
		For Tinted Glass, Add	*184.12*	
		For Low-E Insulated Glass, Add	*383.58*	
		For Obscure Glass, Add	*421.94*	
08 54 13 00-0115	EA	30" x 34", New Construction, Double Hung Fiberglass Window	1,698.95	69.99
		For Colored Vinyl, Add	*155.90*	
		For Tinted Glass, Add	*187.08*	
		For Low-E Insulated Glass, Add	*389.75*	
		For Obscure Glass, Add	*428.72*	
08 54 13 00-0116	EA	32" x 34", New Construction, Double Hung Fiberglass Window	1,724.36	71.41
		For Colored Vinyl, Add	*158.15*	
		For Tinted Glass, Add	*189.78*	
		For Low-E Insulated Glass, Add	*395.38*	
		For Obscure Glass, Add	*434.92*	
08 54 13 00-0117	EA	36" x 34", New Construction, Double Hung Fiberglass Window	1,788.23	74.27
		For Colored Vinyl, Add	*163.97*	
		For Tinted Glass, Add	*196.76*	
		For Low-E Insulated Glass, Add	*409.92*	
		For Obscure Glass, Add	*450.91*	
08 54 13 00-0118	EA	44" x 34", New Construction, Double Hung Fiberglass Window	1,888.63	79.99
		For Colored Vinyl, Add	*172.87*	
		For Tinted Glass, Add	*207.44*	
		For Low-E Insulated Glass, Add	*432.17*	
		For Obscure Glass, Add	*475.38*	

08 54 13 00-0119 36" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*

08 54 13 00-0120	EA	24" x 36", New Construction, Double Hung Fiberglass Window	1,635.22	67.13
		For Colored Vinyl, Add	*150.10*	
		For Tinted Glass, Add	*180.12*	
		For Low-E Insulated Glass, Add	*375.24*	
		For Obscure Glass, Add	*412.76*	
08 54 13 00-0121	EA	28" x 36", New Construction, Double Hung Fiberglass Window	1,692.48	69.99
		For Colored Vinyl, Add	*155.25*	
		For Tinted Glass, Add	*186.30*	
		For Low-E Insulated Glass, Add	*388.13*	
		For Obscure Glass, Add	*426.94*	
08 54 13 00-0122	EA	30" x 36", New Construction, Double Hung Fiberglass Window	1,719.99	71.41
		For Colored Vinyl, Add	*157.72*	
		For Tinted Glass, Add	*189.26*	
		For Low-E Insulated Glass, Add	*394.29*	
		For Obscure Glass, Add	*433.72*	
08 54 13 00-0123	EA	32" x 36", New Construction, Double Hung Fiberglass Window	1,745.31	72.84
		For Colored Vinyl, Add	*159.96*	
		For Tinted Glass, Add	*191.95*	
		For Low-E Insulated Glass, Add	*399.91*	
		For Obscure Glass, Add	*439.90*	
08 54 13 00-0124	EA	36" x 36", New Construction, Double Hung Fiberglass Window	1,809.26	75.70
		For Colored Vinyl, Add	*165.79*	
		For Tinted Glass, Add	*198.94*	
		For Low-E Insulated Glass, Add	*414.46*	
		For Obscure Glass, Add	*455.91*	
08 54 13 00-0125	EA	44" x 36", New Construction, Double Hung Fiberglass Window	1,909.67	81.42
		For Colored Vinyl, Add	*174.68*	
		For Tinted Glass, Add	*209.62*	
		For Low-E Insulated Glass, Add	*436.71*	
		For Obscure Glass, Add	*480.38*	

08 54 13 00-0126 38" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*

08 54 13 00-0127	EA	24" x 38", New Construction, Double Hung Fiberglass Window	1,653.57	68.56
		For Colored Vinyl, Add	*151.65*	
		For Tinted Glass, Add	*181.97*	
		For Low-E Insulated Glass, Add	*379.11*	
		For Obscure Glass, Add	*417.02*	
08 54 13 00-0128	EA	28" x 38", New Construction, Double Hung Fiberglass Window	1,710.83	71.41
		For Colored Vinyl, Add	*156.80*	
		For Tinted Glass, Add	*188.16*	
		For Low-E Insulated Glass, Add	*392.00*	
		For Obscure Glass, Add	*431.20*	
08 54 13 00-0129	EA	30" x 38", New Construction, Double Hung Fiberglass Window	1,739.42	72.84
		For Colored Vinyl, Add	*159.37*	
		For Tinted Glass, Add	*191.25*	
		For Low-E Insulated Glass, Add	*398.43*	
		For Obscure Glass, Add	*438.28*	
08 54 13 00-0130	EA	32" x 38", New Construction, Double Hung Fiberglass Window	1,764.74	74.27
		For Colored Vinyl, Add	*161.62*	
		For Tinted Glass, Add	*193.94*	
		For Low-E Insulated Glass, Add	*404.05*	
		For Obscure Glass, Add	*444.45*	
08 54 13 00-0131	EA	36" x 38", New Construction, Double Hung Fiberglass Window	1,830.14	77.14
		For Colored Vinyl, Add	*167.59*	
		For Tinted Glass, Add	*201.11*	
		For Low-E Insulated Glass, Add	*418.97*	
		For Obscure Glass, Add	*460.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0132	EA	44" x 38", New Construction, Double Hung Fiberglass Window	1,931.94	82.85
		For Colored Vinyl, Add	*176.63*	
		For Tinted Glass, Add	*211.95*	
		For Low-E Insulated Glass, Add	*441.56*	
		For Obscure Glass, Add	*485.72*	
08 54 13 00-0133		**44" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0134	EA	24" x 44", New Construction, Double Hung Fiberglass Window	1,718.63	72.84
		For Colored Vinyl, Add	*157.29*	
		For Tinted Glass, Add	*188.75*	
		For Low-E Insulated Glass, Add	*393.24*	
		For Obscure Glass, Add	*432.56*	
08 54 13 00-0135	EA	28" x 44", New Construction, Double Hung Fiberglass Window	1,775.89	75.70
		For Colored Vinyl, Add	*162.45*	
		For Tinted Glass, Add	*194.94*	
		For Low-E Insulated Glass, Add	*406.12*	
		For Obscure Glass, Add	*446.73*	
08 54 13 00-0136	EA	30" x 44", New Construction, Double Hung Fiberglass Window	1,798.44	77.14
		For Colored Vinyl, Add	*164.42*	
		For Tinted Glass, Add	*197.30*	
		For Low-E Insulated Glass, Add	*411.05*	
		For Obscure Glass, Add	*452.15*	
08 54 13 00-0137	EA	32" x 44", New Construction, Double Hung Fiberglass Window	1,823.84	78.56
		For Colored Vinyl, Add	*166.67*	
		For Tinted Glass, Add	*200.01*	
		For Low-E Insulated Glass, Add	*416.68*	
		For Obscure Glass, Add	*458.35*	
08 54 13 00-0138	EA	36" x 44", New Construction, Double Hung Fiberglass Window	1,892.36	81.42
		For Colored Vinyl, Add	*172.95*	
		For Tinted Glass, Add	*207.54*	
		For Low-E Insulated Glass, Add	*432.38*	
		For Obscure Glass, Add	*475.62*	
08 54 13 00-0139	EA	44" x 44", New Construction, Double Hung Fiberglass Window	2,001.50	87.13
		For Colored Vinyl, Add	*182.72*	
		For Tinted Glass, Add	*219.27*	
		For Low-E Insulated Glass, Add	*456.81*	
		For Obscure Glass, Add	*502.49*	
08 54 13 00-0140		**46" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0141	EA	24" x 46", New Construction, Double Hung Fiberglass Window	1,736.90	74.27
		For Colored Vinyl, Add	*158.84*	
		For Tinted Glass, Add	*190.60*	
		For Low-E Insulated Glass, Add	*397.09*	
		For Obscure Glass, Add	*436.80*	
08 54 13 00-0142	EA	28" x 46", New Construction, Double Hung Fiberglass Window	1,794.08	77.14
		For Colored Vinyl, Add	*163.98*	
		For Tinted Glass, Add	*196.78*	
		For Low-E Insulated Glass, Add	*409.96*	
		For Obscure Glass, Add	*450.95*	
08 54 13 00-0143	EA	30" x 46", New Construction, Double Hung Fiberglass Window	1,818.32	78.56
		For Colored Vinyl, Add	*166.12*	
		For Tinted Glass, Add	*199.34*	
		For Low-E Insulated Glass, Add	*415.30*	
		For Obscure Glass, Add	*456.83*	
08 54 13 00-0144	EA	32" x 46", New Construction, Double Hung Fiberglass Window	1,843.63	79.99
		For Colored Vinyl, Add	*168.37*	
		For Tinted Glass, Add	*202.04*	
		For Low-E Insulated Glass, Add	*420.92*	
		For Obscure Glass, Add	*463.01*	
08 54 13 00-0145	EA	36" x 46", New Construction, Double Hung Fiberglass Window	1,913.25	82.85
		For Colored Vinyl, Add	*174.76*	
		For Tinted Glass, Add	*209.71*	
		For Low-E Insulated Glass, Add	*436.89*	
		For Obscure Glass, Add	*480.58*	
08 54 13 00-0146	EA	44" x 46", New Construction, Double Hung Fiberglass Window	2,026.67	88.56
		For Colored Vinyl, Add	*184.96*	
		For Tinted Glass, Add	*221.95*	
		For Low-E Insulated Glass, Add	*462.39*	
		For Obscure Glass, Add	*508.63*	
08 54 13 00-0147		**48" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0148	EA	24" x 48", New Construction, Double Hung Fiberglass Window	1,755.39	75.70
		For Colored Vinyl, Add	*160.40*	
		For Tinted Glass, Add	*192.48*	
		For Low-E Insulated Glass, Add	*401.00*	
		For Obscure Glass, Add	*441.09*	
08 54 13 00-0149	EA	28" x 48", New Construction, Double Hung Fiberglass Window	1,812.64	78.56
		For Colored Vinyl, Add	*165.55*	
		For Tinted Glass, Add	*198.66*	
		For Low-E Insulated Glass, Add	*413.88*	
		For Obscure Glass, Add	*455.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0150	EA	30" x 48", New Construction, Double Hung Fiberglass Window	1,837.74	79.99
		For Colored Vinyl, Add	*167.78*	
		For Tinted Glass, Add	*201.33*	
		For Low-E Insulated Glass, Add	*419.44*	
		For Obscure Glass, Add	*461.39*	
08 54 13 00-0151	EA	32" x 48", New Construction, Double Hung Fiberglass Window	1,863.06	81.42
		For Colored Vinyl, Add	*170.02*	
		For Tinted Glass, Add	*204.03*	
		For Low-E Insulated Glass, Add	*425.06*	
		For Obscure Glass, Add	*467.56*	
08 54 13 00-0152	EA	36" x 48", New Construction, Double Hung Fiberglass Window	1,934.07	84.27
		For Colored Vinyl, Add	*176.55*	
		For Tinted Glass, Add	*211.86*	
		For Low-E Insulated Glass, Add	*441.38*	
		For Obscure Glass, Add	*485.52*	
08 54 13 00-0153	EA	44" x 48", New Construction, Double Hung Fiberglass Window	2,051.34	89.98
		For Colored Vinyl, Add	*187.14*	
		For Tinted Glass, Add	*224.56*	
		For Low-E Insulated Glass, Add	*467.84*	
		For Obscure Glass, Add	*514.63*	
08 54 13 00-0154		50" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		
08 54 13 00-0155	EA	24" x 50", New Construction, Double Hung Fiberglass Window	1,773.65	77.14
		For Colored Vinyl, Add	*161.94*	
		For Tinted Glass, Add	*194.33*	
		For Low-E Insulated Glass, Add	*404.85*	
		For Obscure Glass, Add	*445.33*	
08 54 13 00-0156	EA	28" x 50", New Construction, Double Hung Fiberglass Window	1,830.91	79.99
		For Colored Vinyl, Add	*167.09*	
		For Tinted Glass, Add	*200.51*	
		For Low-E Insulated Glass, Add	*417.74*	
		For Obscure Glass, Add	*459.51*	
08 54 13 00-0157	EA	30" x 50", New Construction, Double Hung Fiberglass Window	1,857.39	81.42
		For Colored Vinyl, Add	*169.46*	
		For Tinted Glass, Add	*203.35*	
		For Low-E Insulated Glass, Add	*423.64*	
		For Obscure Glass, Add	*466.00*	
08 54 13 00-0158	EA	32" x 50", New Construction, Double Hung Fiberglass Window	1,882.79	82.85
		For Colored Vinyl, Add	*171.71*	
		For Tinted Glass, Add	*206.05*	
		For Low-E Insulated Glass, Add	*429.28*	
		For Obscure Glass, Add	*472.20*	
08 54 13 00-0159	EA	36" x 50", New Construction, Double Hung Fiberglass Window	1,954.95	85.70
		For Colored Vinyl, Add	*178.36*	
		For Tinted Glass, Add	*214.03*	
		For Low-E Insulated Glass, Add	*445.89*	
		For Obscure Glass, Add	*490.48*	
08 54 13 00-0160	EA	44" x 50", New Construction, Double Hung Fiberglass Window	2,076.36	91.41
		For Colored Vinyl, Add	*189.35*	
		For Tinted Glass, Add	*227.22*	
		For Low-E Insulated Glass, Add	*473.39*	
		For Obscure Glass, Add	*520.72*	
08 54 13 00-0161		52" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*		
08 54 13 00-0162	EA	24" x 52", New Construction, Double Hung Fiberglass Window	1,792.07	78.56
		For Colored Vinyl, Add	*163.50*	
		For Tinted Glass, Add	*196.19*	
		For Low-E Insulated Glass, Add	*408.74*	
		For Obscure Glass, Add	*449.61*	
08 54 13 00-0163	EA	28" x 52", New Construction, Double Hung Fiberglass Window	1,849.25	81.42
		For Colored Vinyl, Add	*168.64*	
		For Tinted Glass, Add	*202.37*	
		For Low-E Insulated Glass, Add	*421.61*	
		For Obscure Glass, Add	*463.77*	
08 54 13 00-0164	EA	30" x 52", New Construction, Double Hung Fiberglass Window	1,876.83	82.85
		For Colored Vinyl, Add	*171.11*	
		For Tinted Glass, Add	*205.34*	
		For Low-E Insulated Glass, Add	*427.79*	
		For Obscure Glass, Add	*470.56*	
08 54 13 00-0165	EA	32" x 52", New Construction, Double Hung Fiberglass Window	1,902.15	84.27
		For Colored Vinyl, Add	*173.36*	
		For Tinted Glass, Add	*208.03*	
		For Low-E Insulated Glass, Add	*433.40*	
		For Obscure Glass, Add	*476.74*	
08 54 13 00-0166	EA	36" x 52", New Construction, Double Hung Fiberglass Window	1,978.24	87.13
		For Colored Vinyl, Add	*180.40*	
		For Tinted Glass, Add	*216.48*	
		For Low-E Insulated Glass, Add	*451.00*	
		For Obscure Glass, Add	*496.09*	
08 54 13 00-0167	EA	44" x 52", New Construction, Double Hung Fiberglass Window	2,100.89	92.84
		For Colored Vinyl, Add	*191.52*	
		For Tinted Glass, Add	*229.83*	
		For Low-E Insulated Glass, Add	*478.80*	
		For Obscure Glass, Add	*526.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0168		**54" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0169	EA	24" x 54", New Construction, Double Hung Fiberglass Window	1,810.55	79.99
		For Colored Vinyl, Add	*165.06*	
		For Tinted Glass, Add	*198.07*	
		For Low-E Insulated Glass, Add	*412.65*	
		For Obscure Glass, Add	*453.91*	
08 54 13 00-0170	EA	28" x 54", New Construction, Double Hung Fiberglass Window	1,867.82	82.85
		For Colored Vinyl, Add	*170.21*	
		For Tinted Glass, Add	*204.26*	
		For Low-E Insulated Glass, Add	*425.53*	
		For Obscure Glass, Add	*468.09*	
08 54 13 00-0171	EA	30" x 54", New Construction, Double Hung Fiberglass Window	1,896.63	84.27
		For Colored Vinyl, Add	*172.81*	
		For Tinted Glass, Add	*207.37*	
		For Low-E Insulated Glass, Add	*432.02*	
		For Obscure Glass, Add	*475.22*	
08 54 13 00-0172	EA	32" x 54", New Construction, Double Hung Fiberglass Window	1,922.02	85.70
		For Colored Vinyl, Add	*175.06*	
		For Tinted Glass, Add	*210.07*	
		For Low-E Insulated Glass, Add	*437.66*	
		For Obscure Glass, Add	*481.42*	
08 54 13 00-0173	EA	36" x 54", New Construction, Double Hung Fiberglass Window	2,001.59	88.56
		For Colored Vinyl, Add	*182.45*	
		For Tinted Glass, Add	*218.94*	
		For Low-E Insulated Glass, Add	*456.12*	
		For Obscure Glass, Add	*501.73*	
08 54 13 00-0174	EA	44" x 54", New Construction, Double Hung Fiberglass Window	2,125.49	94.27
		For Colored Vinyl, Add	*193.70*	
		For Tinted Glass, Add	*232.43*	
		For Low-E Insulated Glass, Add	*484.24*	
		For Obscure Glass, Add	*532.66*	
08 54 13 00-0175		**60" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0176	EA	24" x 60", New Construction, Double Hung Fiberglass Window	1,866.02	84.27
		For Colored Vinyl, Add	*169.75*	
		For Tinted Glass, Add	*203.70*	
		For Low-E Insulated Glass, Add	*424.37*	
		For Obscure Glass, Add	*466.80*	
08 54 13 00-0177	EA	28" x 60", New Construction, Double Hung Fiberglass Window	1,923.28	87.13
		For Colored Vinyl, Add	*174.90*	
		For Tinted Glass, Add	*209.88*	
		For Low-E Insulated Glass, Add	*437.26*	
		For Obscure Glass, Add	*480.98*	
08 54 13 00-0178	EA	30" x 60", New Construction, Double Hung Fiberglass Window	1,960.66	88.56
		For Colored Vinyl, Add	*178.36*	
		For Tinted Glass, Add	*214.03*	
		For Low-E Insulated Glass, Add	*445.89*	
		For Obscure Glass, Add	*490.48*	
08 54 13 00-0179	EA	32" x 60", New Construction, Double Hung Fiberglass Window	1,985.98	89.98
		For Colored Vinyl, Add	*180.60*	
		For Tinted Glass, Add	*216.72*	
		For Low-E Insulated Glass, Add	*451.50*	
		For Obscure Glass, Add	*496.65*	
08 54 13 00-0180	EA	36" x 60", New Construction, Double Hung Fiberglass Window	2,071.15	92.84
		For Colored Vinyl, Add	*188.55*	
		For Tinted Glass, Add	*226.26*	
		For Low-E Insulated Glass, Add	*471.37*	
		For Obscure Glass, Add	*518.50*	
08 54 13 00-0181	EA	44" x 60", New Construction, Double Hung Fiberglass Window	2,199.70	98.55
		For Colored Vinyl, Add	*200.26*	
		For Tinted Glass, Add	*240.31*	
		For Low-E Insulated Glass, Add	*500.65*	
		For Obscure Glass, Add	*550.71*	
08 54 13 00-0182		**62" Height, New Construction, Double Hung Fiberglass Windows** *(08 54 13 00-0111)*		
08 54 13 00-0183	EA	24" x 62", New Construction, Double Hung Fiberglass Window	1,884.43	85.70
		For Colored Vinyl, Add	*171.30*	
		For Tinted Glass, Add	*205.56*	
		For Low-E Insulated Glass, Add	*428.26*	
		For Obscure Glass, Add	*471.08*	
08 54 13 00-0184	EA	28" x 62", New Construction, Double Hung Fiberglass Window	1,941.61	88.56
		For Colored Vinyl, Add	*176.45*	
		For Tinted Glass, Add	*211.74*	
		For Low-E Insulated Glass, Add	*441.13*	
		For Obscure Glass, Add	*485.24*	
08 54 13 00-0185	EA	30" x 62", New Construction, Double Hung Fiberglass Window	1,982.57	89.98
		For Colored Vinyl, Add	*180.26*	
		For Tinted Glass, Add	*216.31*	
		For Low-E Insulated Glass, Add	*450.65*	
		For Obscure Glass, Add	*495.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0186	EA	32" x 62", New Construction, Double Hung Fiberglass Window	2,007.88	91.41
		For Colored Vinyl, Add	*182.51*	
		For Tinted Glass, Add	*219.01*	
		For Low-E Insulated Glass, Add	*456.27*	
		For Obscure Glass, Add	*501.89*	
08 54 13 00-0187	EA	36" x 62", New Construction, Double Hung Fiberglass Window	2,094.15	94.27
		For Colored Vinyl, Add	*190.56*	
		For Tinted Glass, Add	*228.67*	
		For Low-E Insulated Glass, Add	*476.40*	
		For Obscure Glass, Add	*524.04*	
08 54 13 00-0188	EA	44" x 62", New Construction, Double Hung Fiberglass Window	2,227.21	99.99
		For Colored Vinyl, Add	*202.72*	
		For Tinted Glass, Add	*243.27*	
		For Low-E Insulated Glass, Add	*506.81*	
		For Obscure Glass, Add	*557.49*	

08 54 13 00-0189 66" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*

08 54 13 00-0190	EA	24" x 66", New Construction, Double Hung Fiberglass Window	1,926.42	88.56
		For Colored Vinyl, Add	*174.93*	
		For Tinted Glass, Add	*209.92*	
		For Low-E Insulated Glass, Add	*437.33*	
		For Obscure Glass, Add	*481.06*	
08 54 13 00-0191	EA	28" x 66", New Construction, Double Hung Fiberglass Window	1,983.67	91.41
		For Colored Vinyl, Add	*180.09*	
		For Tinted Glass, Add	*216.10*	
		For Low-E Insulated Glass, Add	*450.21*	
		For Obscure Glass, Add	*495.23*	
08 54 13 00-0192	EA	30" x 66", New Construction, Double Hung Fiberglass Window	2,026.44	92.84
		For Colored Vinyl, Add	*184.08*	
		For Tinted Glass, Add	*220.89*	
		For Low-E Insulated Glass, Add	*460.19*	
		For Obscure Glass, Add	*506.21*	
08 54 13 00-0193	EA	32" x 66", New Construction, Double Hung Fiberglass Window	2,051.77	94.27
		For Colored Vinyl, Add	*186.32*	
		For Tinted Glass, Add	*223.59*	
		For Low-E Insulated Glass, Add	*465.81*	
		For Obscure Glass, Add	*512.39*	
08 54 13 00-0194	EA	36" x 66", New Construction, Double Hung Fiberglass Window	2,140.80	97.12
		For Colored Vinyl, Add	*194.65*	
		For Tinted Glass, Add	*233.58*	
		For Low-E Insulated Glass, Add	*486.64*	
		For Obscure Glass, Add	*535.30*	
08 54 13 00-0195	EA	44" x 66", New Construction, Double Hung Fiberglass Window	2,279.96	102.84
		For Colored Vinyl, Add	*207.43*	
		For Tinted Glass, Add	*248.91*	
		For Low-E Insulated Glass, Add	*518.57*	
		For Obscure Glass, Add	*570.43*	

08 54 13 00-0196 72" Height, New Construction, Double Hung Fiberglass Windows *(08 54 13 00-0111)*

08 54 13 00-0197	EA	24" x 72", New Construction, Double Hung Fiberglass Window	1,989.44	92.84
		For Colored Vinyl, Add	*180.38*	
		For Tinted Glass, Add	*216.45*	
		For Low-E Insulated Glass, Add	*450.94*	
		For Obscure Glass, Add	*496.03*	
08 54 13 00-0198	EA	28" x 72", New Construction, Double Hung Fiberglass Window	2,046.63	95.70
		For Colored Vinyl, Add	*185.52*	
		For Tinted Glass, Add	*222.63*	
		For Low-E Insulated Glass, Add	*463.81*	
		For Obscure Glass, Add	*510.19*	
08 54 13 00-0199	EA	30" x 72", New Construction, Double Hung Fiberglass Window	2,089.40	97.12
		For Colored Vinyl, Add	*189.51*	
		For Tinted Glass, Add	*227.42*	
		For Low-E Insulated Glass, Add	*473.79*	
		For Obscure Glass, Add	*521.16*	
08 54 13 00-0200	EA	32" x 72", New Construction, Double Hung Fiberglass Window	2,114.79	98.55
		For Colored Vinyl, Add	*191.77*	
		For Tinted Glass, Add	*230.12*	
		For Low-E Insulated Glass, Add	*479.42*	
		For Obscure Glass, Add	*527.36*	
08 54 13 00-0201	EA	36" x 72", New Construction, Double Hung Fiberglass Window	2,203.81	101.42
		For Colored Vinyl, Add	*200.10*	
		For Tinted Glass, Add	*240.12*	
		For Low-E Insulated Glass, Add	*500.25*	
		For Obscure Glass, Add	*550.27*	
08 54 13 00-0202	EA	44" x 72", New Construction, Double Hung Fiberglass Window	2,342.98	107.13
		For Colored Vinyl, Add	*212.87*	
		For Tinted Glass, Add	*255.45*	
		For Low-E Insulated Glass, Add	*532.18*	
		For Obscure Glass, Add	*585.40*	

08 54 13 00-0203 Replacement, Double Hung Fiberglass Windows *(08 54 13 00-0110)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0204	EA	Up To 73" UI, Replacement, Double Hung Fiberglass Window	2,004.19	74.98
		For Colored Vinyl, Add	*185.42*	
		For Tinted Glass, Add	*222.51*	
		For Low-E Insulated Glass, Add	*463.55*	
		For Obscure Glass, Add	*509.91*	
08 54 13 00-0205	EA	>73" To 83" UI, Replacement, Double Hung Fiberglass Window	2,212.28	82.13
		For Colored Vinyl, Add	*204.80*	
		For Tinted Glass, Add	*245.76*	
		For Low-E Insulated Glass, Add	*512.01*	
		For Obscure Glass, Add	*563.21*	
08 54 13 00-0206	EA	>83" To 93" UI, Replacement, Double Hung Fiberglass Window	2,405.78	89.27
		For Colored Vinyl, Add	*222.72*	
		For Tinted Glass, Add	*267.27*	
		For Low-E Insulated Glass, Add	*556.81*	
		For Obscure Glass, Add	*612.49*	
08 54 13 00-0207	EA	>93" To 101" UI, Replacement, Double Hung Fiberglass Window	2,538.35	96.41
		For Colored Vinyl, Add	*234.55*	
		For Tinted Glass, Add	*281.46*	
		For Low-E Insulated Glass, Add	*586.38*	
		For Obscure Glass, Add	*645.02*	
08 54 13 00-0208	EA	>101" To 110" UI, Replacement, Double Hung Fiberglass Window	2,681.81	103.56
		For Colored Vinyl, Add	*247.47*	
		For Tinted Glass, Add	*296.97*	
		For Low-E Insulated Glass, Add	*618.68*	
		For Obscure Glass, Add	*680.55*	
08 54 13 00-0209	EA	>110" To 120" UI, Replacement, Double Hung Fiberglass Window	2,921.10	110.70
		For Colored Vinyl, Add	*269.97*	
		For Tinted Glass, Add	*323.97*	
		For Low-E Insulated Glass, Add	*674.93*	
		For Obscure Glass, Add	*742.42*	
08 54 13 00-0210	UI	>120" UI, Replacement, Double Hung Fiberglass Window	24.32	0.92
		For Colored Vinyl, Add	*2.25*	
		For Tinted Glass, Add	*2.70*	
		For Low-E Insulated Glass, Add	*5.62*	
		For Obscure Glass, Add	*6.18*	

08 54 13 00-0211 New Construction, Double Hung Fiberglass Windows (Anderson Windows)

(08 54 13 00-0110)

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0212	EA	Up To 73" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	946.61	74.98
08 54 13 00-0213	EA	>73" To 83" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,044.11	82.13
08 54 13 00-0214	EA	>83" To 93" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,135.43	89.27
08 54 13 00-0215	EA	>93" To 101" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,200.53	96.41
08 54 13 00-0216	EA	>101" To 110" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,270.29	103.56
08 54 13 00-0217	EA	>110" To 120" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	1,381.23	110.70
08 54 13 00-0218	UI	>120" UI, Double Hung Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	11.53	0.92

08 54 13 00-0219 Casement Fiberglass Windows *(08 54 13)*

08 54 13 00-0220 New Construction, Casement Fiberglass Windows *(08 54 13 00-0219)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0221 One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0220)*

08 54 13 00-0222 24" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0223	EA	17" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,504.28	54.27
		For Colored Vinyl, Add	*139.72*	
		For Tinted Glass, Add	*167.66*	
		For Low-E Insulated Glass, Add	*349.29*	
		For Obscure Glass, Add	*384.22*	
08 54 13 00-0224	EA	20" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,555.74	55.71
		For Colored Vinyl, Add	*144.43*	
		For Tinted Glass, Add	*173.32*	
		For Low-E Insulated Glass, Add	*361.08*	
		For Obscure Glass, Add	*397.19*	
08 54 13 00-0225	EA	24" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,608.63	58.57
		For Colored Vinyl, Add	*149.15*	
		For Tinted Glass, Add	*178.98*	
		For Low-E Insulated Glass, Add	*372.88*	
		For Obscure Glass, Add	*410.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0226	EA	28" x 24", One Operating Sash, New Construction, Casement Fiberglass Window	1,713.52	61.42
		For Colored Vinyl, Add	*159.07*	
		For Tinted Glass, Add	*190.88*	
		For Low-E Insulated Glass, Add	*397.67*	
		For Obscure Glass, Add	*437.44*	

08 54 13 00-0227 28" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0228	EA	17" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,597.81	57.14
		For Colored Vinyl, Add	*148.50*	
		For Tinted Glass, Add	*178.20*	
		For Low-E Insulated Glass, Add	*371.24*	
		For Obscure Glass, Add	*408.37*	
08 54 13 00-0229	EA	20" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,654.65	58.57
		For Colored Vinyl, Add	*153.75*	
		For Tinted Glass, Add	*184.50*	
		For Low-E Insulated Glass, Add	*384.38*	
		For Obscure Glass, Add	*422.82*	
08 54 13 00-0230	EA	24" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,712.79	61.42
		For Colored Vinyl, Add	*159.00*	
		For Tinted Glass, Add	*190.79*	
		For Low-E Insulated Glass, Add	*397.49*	
		For Obscure Glass, Add	*437.24*	
08 54 13 00-0231	EA	28" x 28", One Operating Sash, New Construction, Casement Fiberglass Window	1,823.99	64.28
		For Colored Vinyl, Add	*169.54*	
		For Tinted Glass, Add	*203.45*	
		For Low-E Insulated Glass, Add	*423.86*	
		For Obscure Glass, Add	*466.25*	

08 54 13 00-0232 36" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0233	EA	17" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,702.17	61.42
		For Colored Vinyl, Add	*157.93*	
		For Tinted Glass, Add	*189.52*	
		For Low-E Insulated Glass, Add	*394.83*	
		For Obscure Glass, Add	*434.32*	
08 54 13 00-0234	EA	20" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,761.63	64.28
		For Colored Vinyl, Add	*163.45*	
		For Tinted Glass, Add	*196.14*	
		For Low-E Insulated Glass, Add	*408.63*	
		For Obscure Glass, Add	*449.49*	
08 54 13 00-0235	EA	24" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,822.61	66.42
		For Colored Vinyl, Add	*168.98*	
		For Tinted Glass, Add	*202.77*	
		For Low-E Insulated Glass, Add	*422.44*	
		For Obscure Glass, Add	*464.69*	
08 54 13 00-0236	EA	28" x 36", One Operating Sash, New Construction, Casement Fiberglass Window	1,938.97	69.27
		For Colored Vinyl, Add	*180.04*	
		For Tinted Glass, Add	*216.05*	
		For Low-E Insulated Glass, Add	*450.11*	
		For Obscure Glass, Add	*495.12*	

08 54 13 00-0237 40" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0238	EA	17" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,800.34	65.70
		For Colored Vinyl, Add	*167.04*	
		For Tinted Glass, Add	*200.44*	
		For Low-E Insulated Glass, Add	*417.59*	
		For Obscure Glass, Add	*459.35*	
08 54 13 00-0239	EA	20" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,863.50	67.13
		For Colored Vinyl, Add	*172.92*	
		For Tinted Glass, Add	*207.51*	
		For Low-E Insulated Glass, Add	*432.31*	
		For Obscure Glass, Add	*475.54*	
08 54 13 00-0240	EA	24" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	1,928.17	69.99
		For Colored Vinyl, Add	*178.82*	
		For Tinted Glass, Add	*214.58*	
		For Low-E Insulated Glass, Add	*447.05*	
		For Obscure Glass, Add	*491.76*	
08 54 13 00-0241	EA	28" x 40", One Operating Sash, New Construction, Casement Fiberglass Window	2,054.94	72.84
		For Colored Vinyl, Add	*190.93*	
		For Tinted Glass, Add	*229.11*	
		For Low-E Insulated Glass, Add	*477.31*	
		For Obscure Glass, Add	*525.04*	

08 54 13 00-0242 48" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0243	EA	17" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,903.65	71.41
		For Colored Vinyl, Add	*176.23*	
		For Tinted Glass, Add	*211.47*	
		For Low-E Insulated Glass, Add	*440.56*	
		For Obscure Glass, Add	*484.62*	
08 54 13 00-0244	EA	20" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	1,970.02	72.84
		For Colored Vinyl, Add	*182.43*	
		For Tinted Glass, Add	*218.92*	
		For Low-E Insulated Glass, Add	*456.08*	
		For Obscure Glass, Add	*501.69*	
08 54 13 00-0245	EA	24" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	2,038.05	75.70
		For Colored Vinyl, Add	*188.66*	
		For Tinted Glass, Add	*226.40*	
		For Low-E Insulated Glass, Add	*471.66*	
		For Obscure Glass, Add	*518.83*	
08 54 13 00-0246	EA	28" x 48", One Operating Sash, New Construction, Casement Fiberglass Window	2,178.54	78.56
		For Colored Vinyl, Add	*202.14*	
		For Tinted Glass, Add	*242.57*	
		For Low-E Insulated Glass, Add	*505.36*	
		For Obscure Glass, Add	*555.89*	

08 54 13 00-0247 52" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0248	EA	17" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,000.75	74.27
		For Colored Vinyl, Add	*185.36*	
		For Tinted Glass, Add	*222.44*	
		For Low-E Insulated Glass, Add	*463.41*	
		For Obscure Glass, Add	*509.75*	
08 54 13 00-0249	EA	20" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,071.56	75.70
		For Colored Vinyl, Add	*192.02*	
		For Tinted Glass, Add	*230.42*	
		For Low-E Insulated Glass, Add	*480.04*	
		For Obscure Glass, Add	*528.04*	
08 54 13 00-0250	EA	24" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,143.57	78.56
		For Colored Vinyl, Add	*198.65*	
		For Tinted Glass, Add	*238.37*	
		For Low-E Insulated Glass, Add	*496.61*	
		For Obscure Glass, Add	*546.27*	
08 54 13 00-0251	EA	28" x 52", One Operating Sash, New Construction, Casement Fiberglass Window	2,286.76	81.42
		For Colored Vinyl, Add	*212.39*	
		For Tinted Glass, Add	*254.87*	
		For Low-E Insulated Glass, Add	*530.98*	
		For Obscure Glass, Add	*584.08*	

08 54 13 00-0252 60" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0253	EA	17" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,102.21	78.56
		For Colored Vinyl, Add	*194.51*	
		For Tinted Glass, Add	*233.41*	
		For Low-E Insulated Glass, Add	*486.27*	
		For Obscure Glass, Add	*534.90*	
08 54 13 00-0254	EA	20" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,177.15	81.42
		For Colored Vinyl, Add	*201.58*	
		For Tinted Glass, Add	*241.89*	
		For Low-E Insulated Glass, Add	*503.94*	
		For Obscure Glass, Add	*554.33*	
08 54 13 00-0255	EA	24" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,253.61	83.56
		For Colored Vinyl, Add	*208.65*	
		For Tinted Glass, Add	*250.38*	
		For Low-E Insulated Glass, Add	*521.62*	
		For Obscure Glass, Add	*573.78*	
08 54 13 00-0256	EA	28" x 60", One Operating Sash, New Construction, Casement Fiberglass Window	2,399.19	86.42
		For Colored Vinyl, Add	*222.64*	
		For Tinted Glass, Add	*267.16*	
		For Low-E Insulated Glass, Add	*556.59*	
		For Obscure Glass, Add	*612.25*	

08 54 13 00-0257 64" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0258	EA	17" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,198.61	82.85
		For Colored Vinyl, Add	*203.44*	
		For Tinted Glass, Add	*244.12*	
		For Low-E Insulated Glass, Add	*508.59*	
		For Obscure Glass, Add	*559.45*	
08 54 13 00-0259	EA	20" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,275.76	84.27
		For Colored Vinyl, Add	*210.72*	
		For Tinted Glass, Add	*252.87*	
		For Low-E Insulated Glass, Add	*526.80*	
		For Obscure Glass, Add	*579.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0260	EA	24" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,357.95	87.13
		For Colored Vinyl, Add	*218.37*	
		For Tinted Glass, Add	*262.04*	
		For Low-E Insulated Glass, Add	*545.92*	
		For Obscure Glass, Add	*600.51*	
08 54 13 00-0261	EA	28" x 64", One Operating Sash, New Construction, Casement Fiberglass Window	2,499.97	89.98
		For Colored Vinyl, Add	*232.00*	
		For Tinted Glass, Add	*278.40*	
		For Low-E Insulated Glass, Add	*580.00*	
		For Obscure Glass, Add	*638.00*	

08 54 13 00-0262 72" Height, One Operating Sash, New Construction, Casement Fiberglass Windows *(08 54 13 00-0221)*

08 54 13 00-0263	EA	17" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,314.11	87.13
		For Colored Vinyl, Add	*213.99*	
		For Tinted Glass, Add	*256.78*	
		For Low-E Insulated Glass, Add	*534.96*	
		For Obscure Glass, Add	*588.46*	
08 54 13 00-0264	EA	20" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,395.82	89.98
		For Colored Vinyl, Add	*221.73*	
		For Tinted Glass, Add	*266.07*	
		For Low-E Insulated Glass, Add	*554.32*	
		For Obscure Glass, Add	*609.75*	
08 54 13 00-0265	EA	24" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,473.94	92.13
		For Colored Vinyl, Add	*228.97*	
		For Tinted Glass, Add	*274.76*	
		For Low-E Insulated Glass, Add	*572.42*	
		For Obscure Glass, Add	*629.66*	
08 54 13 00-0266	EA	28" x 72", One Operating Sash, New Construction, Casement Fiberglass Window	2,614.08	94.98
		For Colored Vinyl, Add	*242.41*	
		For Tinted Glass, Add	*290.89*	
		For Low-E Insulated Glass, Add	*606.03*	
		For Obscure Glass, Add	*666.63*	

08 54 13 00-0267 Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0220)*

08 54 13 00-0268 36" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*

08 54 13 00-0269	EA	33" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,179.10	72.84
		For Colored Vinyl, Add	*303.34*	
		For Tinted Glass, Add	*364.01*	
		For Low-E Insulated Glass, Add	*758.35*	
		For Obscure Glass, Add	*834.19*	
08 54 13 00-0270	EA	40" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,284.33	78.56
		For Colored Vinyl, Add	*312.86*	
		For Tinted Glass, Add	*375.44*	
		For Low-E Insulated Glass, Add	*782.16*	
		For Obscure Glass, Add	*860.38*	
08 54 13 00-0271	EA	48" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,391.07	84.27
		For Colored Vinyl, Add	*322.40*	
		For Tinted Glass, Add	*386.87*	
		For Low-E Insulated Glass, Add	*805.99*	
		For Obscure Glass, Add	*886.59*	
08 54 13 00-0272	EA	56" x 36", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,515.62	89.27
		For Colored Vinyl, Add	*333.71*	
		For Tinted Glass, Add	*400.45*	
		For Low-E Insulated Glass, Add	*834.27*	
		For Obscure Glass, Add	*917.70*	

08 54 13 00-0273 40" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*

08 54 13 00-0274	EA	33" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,369.66	76.41
		For Colored Vinyl, Add	*321.68*	
		For Tinted Glass, Add	*386.02*	
		For Low-E Insulated Glass, Add	*804.21*	
		For Obscure Glass, Add	*884.63*	
08 54 13 00-0275	EA	40" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,482.75	81.42
		For Colored Vinyl, Add	*331.99*	
		For Tinted Glass, Add	*398.39*	
		For Low-E Insulated Glass, Add	*829.98*	
		For Obscure Glass, Add	*912.98*	
08 54 13 00-0276	EA	48" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,597.34	87.13
		For Colored Vinyl, Add	*342.31*	
		For Tinted Glass, Add	*410.77*	
		For Low-E Insulated Glass, Add	*855.77*	
		For Obscure Glass, Add	*941.35*	
08 54 13 00-0277	EA	56" x 40", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,717.08	92.84
		For Colored Vinyl, Add	*353.14*	
		For Tinted Glass, Add	*423.77*	
		For Low-E Insulated Glass, Add	*882.85*	
		For Obscure Glass, Add	*971.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0278		48" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0279	EA	33" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,568.21	82.13
		For Colored Vinyl, Add	*340.40*	
		For Tinted Glass, Add	*408.48*	
		For Low-E Insulated Glass, Add	*850.99*	
		For Obscure Glass, Add	*936.09*	
08 54 13 00-0280	EA	40" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,686.91	87.13
		For Colored Vinyl, Add	*351.27*	
		For Tinted Glass, Add	*421.52*	
		For Low-E Insulated Glass, Add	*878.16*	
		For Obscure Glass, Add	*965.98*	
08 54 13 00-0281	EA	48" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,807.23	92.84
		For Colored Vinyl, Add	*362.16*	
		For Tinted Glass, Add	*434.59*	
		For Low-E Insulated Glass, Add	*905.39*	
		For Obscure Glass, Add	*995.93*	
08 54 13 00-0282	EA	56" x 48", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,940.14	98.55
		For Colored Vinyl, Add	*374.30*	
		For Tinted Glass, Add	*449.16*	
		For Low-E Insulated Glass, Add	*935.76*	
		For Obscure Glass, Add	*1,029.33*	
08 54 13 00-0283		52" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0284	EA	33" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,760.55	84.99
		For Colored Vinyl, Add	*359.06*	
		For Tinted Glass, Add	*430.87*	
		For Low-E Insulated Glass, Add	*897.65*	
		For Obscure Glass, Add	*987.41*	
08 54 13 00-0285	EA	40" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,886.87	89.98
		For Colored Vinyl, Add	*370.69*	
		For Tinted Glass, Add	*444.83*	
		For Low-E Insulated Glass, Add	*926.73*	
		For Obscure Glass, Add	*1,019.40*	
08 54 13 00-0286	EA	48" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,014.55	95.70
		For Colored Vinyl, Add	*382.32*	
		For Tinted Glass, Add	*458.78*	
		For Low-E Insulated Glass, Add	*955.79*	
		For Obscure Glass, Add	*1,051.37*	
08 54 13 00-0287	EA	56" x 52", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,150.07	101.42
		For Colored Vinyl, Add	*394.73*	
		For Tinted Glass, Add	*473.67*	
		For Low-E Insulated Glass, Add	*986.81*	
		For Obscure Glass, Add	*1,085.49*	
08 54 13 00-0288		60" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0289	EA	33" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	3,957.24	89.98
		For Colored Vinyl, Add	*377.73*	
		For Tinted Glass, Add	*453.27*	
		For Low-E Insulated Glass, Add	*944.32*	
		For Obscure Glass, Add	*1,038.75*	
08 54 13 00-0290	EA	40" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,091.05	95.70
		For Colored Vinyl, Add	*390.11*	
		For Tinted Glass, Add	*468.13*	
		For Low-E Insulated Glass, Add	*975.27*	
		For Obscure Glass, Add	*1,072.80*	
08 54 13 00-0291	EA	48" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,226.13	101.42
		For Colored Vinyl, Add	*402.47*	
		For Tinted Glass, Add	*482.97*	
		For Low-E Insulated Glass, Add	*1,006.19*	
		For Obscure Glass, Add	*1,106.80*	
08 54 13 00-0292	EA	56" x 60", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,364.15	106.41
		For Colored Vinyl, Add	*415.13*	
		For Tinted Glass, Add	*498.16*	
		For Low-E Insulated Glass, Add	*1,037.83*	
		For Obscure Glass, Add	*1,141.61*	
08 54 13 00-0293		64" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*		
08 54 13 00-0294	EA	33" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,157.12	93.55
		For Colored Vinyl, Add	*397.00*	
		For Tinted Glass, Add	*476.40*	
		For Low-E Insulated Glass, Add	*992.50*	
		For Obscure Glass, Add	*1,091.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0295	EA	40" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,290.92	98.55
		For Colored Vinyl, Add	*409.38*	
		For Tinted Glass, Add	*491.26*	
		For Low-E Insulated Glass, Add	*1,023.45*	
		For Obscure Glass, Add	*1,125.80*	
08 54 13 00-0296	EA	48" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,425.43	104.27
		For Colored Vinyl, Add	*421.69*	
		For Tinted Glass, Add	*506.03*	
		For Low-E Insulated Glass, Add	*1,054.22*	
		For Obscure Glass, Add	*1,159.64*	
08 54 13 00-0297	EA	56" x 64", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,564.00	109.98
		For Colored Vinyl, Add	*434.40*	
		For Tinted Glass, Add	*521.28*	
		For Low-E Insulated Glass, Add	*1,086.01*	
		For Obscure Glass, Add	*1,194.61*	

08 54 13 00-0298 72" Height, Two Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0267)*

08 54 13 00-0299	EA	33" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,372.34	98.55
		For Colored Vinyl, Add	*417.52*	
		For Tinted Glass, Add	*501.03*	
		For Low-E Insulated Glass, Add	*1,043.81*	
		For Obscure Glass, Add	*1,148.19*	
08 54 13 00-0300	EA	40" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,506.14	104.27
		For Colored Vinyl, Add	*429.90*	
		For Tinted Glass, Add	*515.88*	
		For Low-E Insulated Glass, Add	*1,074.76*	
		For Obscure Glass, Add	*1,182.24*	
08 54 13 00-0301	EA	48" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,641.39	109.98
		For Colored Vinyl, Add	*442.29*	
		For Tinted Glass, Add	*530.74*	
		For Low-E Insulated Glass, Add	*1,105.71*	
		For Obscure Glass, Add	*1,216.28*	
08 54 13 00-0302	EA	56" x 72", Two Operating Sashes, New Construction, Casement Fiberglass Window	4,779.38	114.98
		For Colored Vinyl, Add	*454.94*	
		For Tinted Glass, Add	*545.93*	
		For Low-E Insulated Glass, Add	*1,137.36*	
		For Obscure Glass, Add	*1,251.09*	

08 54 13 00-0303 Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0220)*

08 54 13 00-0304 36" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0305	EA	62" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	3,910.54	92.84
		For Colored Vinyl, Add	*372.49*	
		For Tinted Glass, Add	*446.98*	
		For Low-E Insulated Glass, Add	*931.22*	
		For Obscure Glass, Add	*1,024.34*	
08 54 13 00-0306	EA	72" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,081.71	99.99
		For Colored Vinyl, Add	*388.17*	
		For Tinted Glass, Add	*465.81*	
		For Low-E Insulated Glass, Add	*970.44*	
		For Obscure Glass, Add	*1,067.48*	
08 54 13 00-0307	EA	86" x 36", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,398.37	110.70
		For Colored Vinyl, Add	*417.70*	
		For Tinted Glass, Add	*501.24*	
		For Low-E Insulated Glass, Add	*1,044.25*	
		For Obscure Glass, Add	*1,148.67*	

08 54 13 00-0308 40" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0309	EA	62" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,179.41	97.12
		For Colored Vinyl, Add	*398.66*	
		For Tinted Glass, Add	*478.39*	
		For Low-E Insulated Glass, Add	*996.65*	
		For Obscure Glass, Add	*1,096.31*	
08 54 13 00-0310	EA	72" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,352.16	103.56
		For Colored Vinyl, Add	*414.51*	
		For Tinted Glass, Add	*497.41*	
		For Low-E Insulated Glass, Add	*1,036.27*	
		For Obscure Glass, Add	*1,139.89*	
08 54 13 00-0311	EA	86" x 40", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,689.98	114.27
		For Colored Vinyl, Add	*446.15*	
		For Tinted Glass, Add	*535.37*	
		For Low-E Insulated Glass, Add	*1,115.36*	
		For Obscure Glass, Add	*1,226.90*	

08 54 13 00-0312 48" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0313	EA	62" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,416.46	102.84
		For Colored Vinyl, Add	*421.08*	
		For Tinted Glass, Add	*505.29*	
		For Low-E Insulated Glass, Add	*1,052.70*	
		For Obscure Glass, Add	*1,157.96*	
08 54 13 00-0314	EA	72" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,630.70	109.27
		For Colored Vinyl, Add	*441.22*	
		For Tinted Glass, Add	*529.46*	
		For Low-E Insulated Glass, Add	*1,103.04*	
		For Obscure Glass, Add	*1,213.34*	
08 54 13 00-0315	EA	86" x 48", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,986.69	119.98
		For Colored Vinyl, Add	*474.67*	
		For Tinted Glass, Add	*569.61*	
		For Low-E Insulated Glass, Add	*1,186.68*	
		For Obscure Glass, Add	*1,305.35*	

08 54 13 00-0316 52" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0317	EA	62" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,674.89	105.70
		For Colored Vinyl, Add	*446.35*	
		For Tinted Glass, Add	*535.62*	
		For Low-E Insulated Glass, Add	*1,115.87*	
		For Obscure Glass, Add	*1,227.46*	
08 54 13 00-0318	EA	72" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,901.52	112.84
		For Colored Vinyl, Add	*467.59*	
		For Tinted Glass, Add	*561.10*	
		For Low-E Insulated Glass, Add	*1,168.96*	
		For Obscure Glass, Add	*1,285.86*	
08 54 13 00-0319	EA	86" x 52", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,319.55	122.84
		For Colored Vinyl, Add	*507.39*	
		For Tinted Glass, Add	*608.87*	
		For Low-E Insulated Glass, Add	*1,268.47*	
		For Obscure Glass, Add	*1,395.32*	

08 54 13 00-0320 60" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0321	EA	62" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	4,937.44	110.70
		For Colored Vinyl, Add	*471.61*	
		For Tinted Glass, Add	*565.93*	
		For Low-E Insulated Glass, Add	*1,179.01*	
		For Obscure Glass, Add	*1,296.91*	
08 54 13 00-0322	EA	72" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,175.14	117.83
		For Colored Vinyl, Add	*493.95*	
		For Tinted Glass, Add	*592.74*	
		For Low-E Insulated Glass, Add	*1,234.87*	
		For Obscure Glass, Add	*1,358.35*	
08 54 13 00-0323	EA	86" x 60", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,656.71	127.84
		For Colored Vinyl, Add	*540.10*	
		For Tinted Glass, Add	*648.12*	
		For Low-E Insulated Glass, Add	*1,350.26*	
		For Obscure Glass, Add	*1,485.28*	

08 54 13 00-0324 64" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0325	EA	62" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,229.93	114.27
		For Colored Vinyl, Add	*500.14*	
		For Tinted Glass, Add	*600.17*	
		For Low-E Insulated Glass, Add	*1,250.35*	
		For Obscure Glass, Add	*1,375.39*	
08 54 13 00-0326	EA	72" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,467.48	121.41
		For Colored Vinyl, Add	*522.47*	
		For Tinted Glass, Add	*626.96*	
		For Low-E Insulated Glass, Add	*1,306.17*	
		For Obscure Glass, Add	*1,436.78*	
08 54 13 00-0327	EA	86" x 64", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,949.04	131.41
		For Colored Vinyl, Add	*568.62*	
		For Tinted Glass, Add	*682.35*	
		For Low-E Insulated Glass, Add	*1,421.56*	
		For Obscure Glass, Add	*1,563.71*	

08 54 13 00-0328 72" Height, Three Operating Sashes, New Construction, Casement Fiberglass Windows *(08 54 13 00-0303)*

08 54 13 00-0329	EA	62" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,525.93	119.26
		For Colored Vinyl, Add	*528.74*	
		For Tinted Glass, Add	*634.49*	
		For Low-E Insulated Glass, Add	*1,321.85*	
		For Obscure Glass, Add	*1,454.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0330	EA	72" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	5,763.41	126.41
		For Colored Vinyl, Add	*551.06*	
		For Tinted Glass, Add	*661.27*	
		For Low-E Insulated Glass, Add	*1,377.65*	
		For Obscure Glass, Add	*1,515.41*	
08 54 13 00-0331	EA	86" x 72", Three Operating Sashes, New Construction, Casement Fiberglass Window	6,244.97	136.40
		For Colored Vinyl, Add	*597.22*	
		For Tinted Glass, Add	*716.66*	
		For Low-E Insulated Glass, Add	*1,493.04*	
		For Obscure Glass, Add	*1,642.34*	

08 54 13 00-0332 Replacement, Casement Fiberglass Windows *(08 54 13 00-0219)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0333 One Operating Sash, Replacement, Casement Fiberglass Windows *(08 54 13 00-0332)*

08 54 13 00-0334	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Fiberglass Window	1,967.63	60.71
		For Colored Vinyl, Add	*184.62*	
		For Tinted Glass, Add	*221.55*	
		For Low-E Insulated Glass, Add	*461.56*	
		For Obscure Glass, Add	*507.71*	
08 54 13 00-0335	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,238.83	67.85
		For Colored Vinyl, Add	*210.31*	
		For Tinted Glass, Add	*252.38*	
		For Low-E Insulated Glass, Add	*525.79*	
		For Obscure Glass, Add	*578.36*	
08 54 13 00-0336	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,481.03	74.98
		For Colored Vinyl, Add	*233.11*	
		For Tinted Glass, Add	*279.73*	
		For Low-E Insulated Glass, Add	*582.76*	
		For Obscure Glass, Add	*641.04*	
08 54 13 00-0337	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,694.14	82.13
		For Colored Vinyl, Add	*252.99*	
		For Tinted Glass, Add	*303.59*	
		For Low-E Insulated Glass, Add	*632.47*	
		For Obscure Glass, Add	*695.72*	
08 54 13 00-0338	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,878.25	89.27
		For Colored Vinyl, Add	*269.97*	
		For Tinted Glass, Add	*323.97*	
		For Low-E Insulated Glass, Add	*674.93*	
		For Obscure Glass, Add	*742.42*	
08 54 13 00-0339	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	2,978.19	96.41
		For Colored Vinyl, Add	*278.54*	
		For Tinted Glass, Add	*334.24*	
		For Low-E Insulated Glass, Add	*696.34*	
		For Obscure Glass, Add	*765.97*	
08 54 13 00-0340	UI	>101" UI, One Operating Sash, Replacement, Casement Fiberglass Window	29.41	0.92
		For Colored Vinyl, Add	*2.76*	
		For Tinted Glass, Add	*3.31*	
		For Low-E Insulated Glass, Add	*6.89*	
		For Obscure Glass, Add	*7.58*	

08 54 13 00-0341 Two Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0332)*

08 54 13 00-0342	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,381.64	74.98
		For Colored Vinyl, Add	*323.17*	
		For Tinted Glass, Add	*387.80*	
		For Low-E Insulated Glass, Add	*807.92*	
		For Obscure Glass, Add	*888.71*	
08 54 13 00-0343	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	3,718.12	82.13
		For Colored Vinyl, Add	*355.39*	
		For Tinted Glass, Add	*426.46*	
		For Low-E Insulated Glass, Add	*888.47*	
		For Obscure Glass, Add	*977.31*	
08 54 13 00-0344	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,025.61	89.27
		For Colored Vinyl, Add	*384.71*	
		For Tinted Glass, Add	*461.65*	
		For Low-E Insulated Glass, Add	*961.77*	
		For Obscure Glass, Add	*1,057.94*	
08 54 13 00-0345	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,224.26	96.41
		For Colored Vinyl, Add	*403.14*	
		For Tinted Glass, Add	*483.77*	
		For Low-E Insulated Glass, Add	*1,007.86*	
		For Obscure Glass, Add	*1,108.64*	
08 54 13 00-0346	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,438.09	103.56
		For Colored Vinyl, Add	*423.10*	
		For Tinted Glass, Add	*507.72*	
		For Low-E Insulated Glass, Add	*1,057.75*	
		For Obscure Glass, Add	*1,163.52*	
08 54 13 00-0347	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	4,662.85	110.70
		For Colored Vinyl, Add	*444.15*	
		For Tinted Glass, Add	*532.98*	
		For Low-E Insulated Glass, Add	*1,110.37*	
		For Obscure Glass, Add	*1,221.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0348	UI	>120" UI, Two Operating Sashes, Replacement, Casement Fiberglass Window	38.86	0.92
		For Colored Vinyl, Add	*3.70*	
		For Tinted Glass, Add	*4.44*	
		For Low-E Insulated Glass, Add	*9.25*	
		For Obscure Glass, Add	*10.18*	
08 54 13 00-0349		Three Operating Sashes, Replacement, Casement Fiberglass Windows *(08 54 13 00-0332)*		
08 54 13 00-0350	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,540.56	74.98
		For Colored Vinyl, Add	*339.06*	
		For Tinted Glass, Add	*406.87*	
		For Low-E Insulated Glass, Add	*847.65*	
		For Obscure Glass, Add	*932.41*	
08 54 13 00-0351	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	3,894.49	82.13
		For Colored Vinyl, Add	*373.02*	
		For Tinted Glass, Add	*447.63*	
		For Low-E Insulated Glass, Add	*932.56*	
		For Obscure Glass, Add	*1,025.82*	
08 54 13 00-0352	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,228.08	89.27
		For Colored Vinyl, Add	*404.95*	
		For Tinted Glass, Add	*485.94*	
		For Low-E Insulated Glass, Add	*1,012.39*	
		For Obscure Glass, Add	*1,113.62*	
08 54 13 00-0353	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,444.11	96.41
		For Colored Vinyl, Add	*425.13*	
		For Tinted Glass, Add	*510.15*	
		For Low-E Insulated Glass, Add	*1,062.82*	
		For Obscure Glass, Add	*1,169.10*	
08 54 13 00-0354	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,677.57	103.56
		For Colored Vinyl, Add	*447.05*	
		For Tinted Glass, Add	*536.46*	
		For Low-E Insulated Glass, Add	*1,117.62*	
		For Obscure Glass, Add	*1,229.38*	
08 54 13 00-0355	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	4,924.13	110.70
		For Colored Vinyl, Add	*470.27*	
		For Tinted Glass, Add	*564.33*	
		For Low-E Insulated Glass, Add	*1,175.69*	
		For Obscure Glass, Add	*1,293.25*	
08 54 13 00-0356	UI	>120" UI, Three Operating Sashes, Replacement, Casement Fiberglass Window	41.05	0.92
		For Colored Vinyl, Add	*3.92*	
		For Tinted Glass, Add	*4.70*	
		For Low-E Insulated Glass, Add	*9.80*	
		For Obscure Glass, Add	*10.78*	
08 54 13 00-0357		New Construction, Casement Fiberglass Windows (Anderson Windows) *(08 54 13 00-0219)*		
		Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0358	EA	Up To 53" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	626.16	60.71
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0359	EA	>53 To 63" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	710.68	67.85
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0360	EA	>63 To 73" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	787.28	74.98
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0361	EA	>73" To 83" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	855.91	82.13
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0362	EA	>83" To 93" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	916.63	89.27
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0363	EA	>93" To 101" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	954.33	96.41
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0364	UI	>101" UI, One Operating Sash, Casement Fiberglass Window (Anderson Windows)	9.41	0.92
		Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen		
08 54 13 00-0365		Awning Fiberglass Windows *(08 54 13)*		
08 54 13 00-0366		New Construction, Awning Fiberglass Windows *(08 54 13 00-0365)*		
		Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 54 13 00-0367		Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0366)*		
08 54 13 00-0368		17" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0369	EA	24" x 17", Venting, New Construction, Awning Fiberglass Window	1,991.98	58.57
		For Colored Vinyl, Add	*187.49*	
		For Tinted Glass, Add	*224.98*	
		For Low-E Insulated Glass, Add	*468.72*	
		For Obscure Glass, Add	*515.59*	
08 54 13 00-0370	EA	28" x 17", Venting, New Construction, Awning Fiberglass Window	2,084.79	61.42
		For Colored Vinyl, Add	*196.20*	
		For Tinted Glass, Add	*235.43*	
		For Low-E Insulated Glass, Add	*490.49*	
		For Obscure Glass, Add	*539.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0371	EA	36" x 17", Venting, New Construction, Awning Fiberglass Window	2,225.44	66.42
		For Colored Vinyl, Add	*209.26*	
		For Tinted Glass, Add	*251.11*	
		For Low-E Insulated Glass, Add	*523.15*	
		For Obscure Glass, Add	*575.47*	
08 54 13 00-0372	EA	40" x 17", Venting, New Construction, Awning Fiberglass Window	2,314.72	69.99
		For Colored Vinyl, Add	*217.48*	
		For Tinted Glass, Add	*260.97*	
		For Low-E Insulated Glass, Add	*543.69*	
		For Obscure Glass, Add	*598.06*	
08 54 13 00-0373	EA	48" x 17", Venting, New Construction, Awning Fiberglass Window	2,461.67	75.70
		For Colored Vinyl, Add	*231.03*	
		For Tinted Glass, Add	*277.23*	
		For Low-E Insulated Glass, Add	*577.57*	
		For Obscure Glass, Add	*635.32*	
08 54 13 00-0374		20" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0375	EA	24" x 20", Venting, New Construction, Awning Fiberglass Window	2,105.10	61.42
		For Colored Vinyl, Add	*198.37*	
		For Tinted Glass, Add	*238.04*	
		For Low-E Insulated Glass, Add	*495.92*	
		For Obscure Glass, Add	*545.51*	
08 54 13 00-0376	EA	28" x 20", Venting, New Construction, Awning Fiberglass Window	2,197.91	64.28
		For Colored Vinyl, Add	*207.08*	
		For Tinted Glass, Add	*248.49*	
		For Low-E Insulated Glass, Add	*517.70*	
		For Obscure Glass, Add	*569.47*	
08 54 13 00-0377	EA	36" x 20", Venting, New Construction, Awning Fiberglass Window	2,350.62	68.56
		For Colored Vinyl, Add	*221.35*	
		For Tinted Glass, Add	*265.62*	
		For Low-E Insulated Glass, Add	*553.38*	
		For Obscure Glass, Add	*608.71*	
08 54 13 00-0378	EA	40" x 20", Venting, New Construction, Awning Fiberglass Window	2,440.06	72.84
		For Colored Vinyl, Add	*229.58*	
		For Tinted Glass, Add	*275.49*	
		For Low-E Insulated Glass, Add	*573.95*	
		For Obscure Glass, Add	*631.34*	
08 54 13 00-0379	EA	48" x 20", Venting, New Construction, Awning Fiberglass Window	2,598.92	77.85
		For Colored Vinyl, Add	*244.32*	
		For Tinted Glass, Add	*293.19*	
		For Low-E Insulated Glass, Add	*610.81*	
		For Obscure Glass, Add	*671.89*	
08 54 13 00-0380		24" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0381	EA	24" x 24", Venting, New Construction, Awning Fiberglass Window	2,171.23	64.28
		For Colored Vinyl, Add	*204.41*	
		For Tinted Glass, Add	*245.29*	
		For Low-E Insulated Glass, Add	*511.03*	
		For Obscure Glass, Add	*562.13*	
08 54 13 00-0382	EA	28" x 24", Venting, New Construction, Awning Fiberglass Window	2,264.04	67.13
		For Colored Vinyl, Add	*213.12*	
		For Tinted Glass, Add	*255.74*	
		For Low-E Insulated Glass, Add	*532.80*	
		For Obscure Glass, Add	*586.08*	
08 54 13 00-0383	EA	36" x 24", Venting, New Construction, Awning Fiberglass Window	2,422.78	71.41
		For Colored Vinyl, Add	*227.99*	
		For Tinted Glass, Add	*273.59*	
		For Low-E Insulated Glass, Add	*569.99*	
		For Obscure Glass, Add	*626.98*	
08 54 13 00-0384	EA	40" x 24", Venting, New Construction, Awning Fiberglass Window	2,521.96	75.70
		For Colored Vinyl, Add	*237.20*	
		For Tinted Glass, Add	*284.64*	
		For Low-E Insulated Glass, Add	*593.00*	
		For Obscure Glass, Add	*652.29*	
08 54 13 00-0385	EA	48" x 24", Venting, New Construction, Awning Fiberglass Window	2,683.29	80.70
		For Colored Vinyl, Add	*252.19*	
		For Tinted Glass, Add	*302.63*	
		For Low-E Insulated Glass, Add	*630.47*	
		For Obscure Glass, Add	*693.52*	
08 54 13 00-0386		28" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0387	EA	24" x 28", Venting, New Construction, Awning Fiberglass Window	2,237.43	67.13
		For Colored Vinyl, Add	*210.46*	
		For Tinted Glass, Add	*252.55*	
		For Low-E Insulated Glass, Add	*526.15*	
		For Obscure Glass, Add	*578.76*	
08 54 13 00-0388	EA	28" x 28", Venting, New Construction, Awning Fiberglass Window	2,330.24	69.99
		For Colored Vinyl, Add	*219.17*	
		For Tinted Glass, Add	*263.00*	
		For Low-E Insulated Glass, Add	*547.92*	
		For Obscure Glass, Add	*602.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0389	EA	36" x 28", Venting, New Construction, Awning Fiberglass Window	2,495.09	74.27
		For Colored Vinyl, Add	*234.65*	
		For Tinted Glass, Add	*281.58*	
		For Low-E Insulated Glass, Add	*586.64*	
		For Obscure Glass, Add	*645.30*	
08 54 13 00-0390	EA	40" x 28", Venting, New Construction, Awning Fiberglass Window	2,603.28	78.56
		For Colored Vinyl, Add	*244.76*	
		For Tinted Glass, Add	*293.71*	
		For Low-E Insulated Glass, Add	*611.90*	
		For Obscure Glass, Add	*673.09*	
08 54 13 00-0391	EA	48" x 28", Venting, New Construction, Awning Fiberglass Window	2,767.67	83.56
		For Colored Vinyl, Add	*260.06*	
		For Tinted Glass, Add	*312.07*	
		For Low-E Insulated Glass, Add	*650.14*	
		For Obscure Glass, Add	*715.15*	
08 54 13 00-0392		36" Height, Venting, New Construction, Awning Fiberglass Windows *(08 54 13 00-0367)*		
08 54 13 00-0393	EA	36" x 36", Venting, New Construction, Awning Fiberglass Window	2,638.05	79.28
		For Colored Vinyl, Add	*247.95*	
		For Tinted Glass, Add	*297.54*	
		For Low-E Insulated Glass, Add	*619.88*	
		For Obscure Glass, Add	*681.87*	
08 54 13 00-0394	EA	40" x 36", Venting, New Construction, Awning Fiberglass Window	2,746.39	82.85
		For Colored Vinyl, Add	*258.07*	
		For Tinted Glass, Add	*309.68*	
		For Low-E Insulated Glass, Add	*645.18*	
		For Obscure Glass, Add	*709.69*	
08 54 13 00-0395	EA	48" x 36", Venting, New Construction, Awning Fiberglass Window	2,922.84	88.56
		For Colored Vinyl, Add	*274.57*	
		For Tinted Glass, Add	*329.49*	
		For Low-E Insulated Glass, Add	*686.43*	
		For Obscure Glass, Add	*755.08*	
08 54 13 00-0396		Replacement, Awning Fiberglass Windows *(08 54 13 00-0365)* Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0397	EA	Up To 53" UI, Replacement, Awning Fiberglass Window	2,083.07	60.71
		For Colored Vinyl, Add	*196.17*	
		For Tinted Glass, Add	*235.40*	
		For Low-E Insulated Glass, Add	*490.42*	
		For Obscure Glass, Add	*539.46*	
08 54 13 00-0398	EA	>53" To 63" UI, Replacement, Awning Fiberglass Window	2,421.74	67.85
		For Colored Vinyl, Add	*228.61*	
		For Tinted Glass, Add	*274.33*	
		For Low-E Insulated Glass, Add	*571.51*	
		For Obscure Glass, Add	*628.66*	
08 54 13 00-0399	EA	>63" To 73" UI, Replacement, Awning Fiberglass Window	2,745.88	74.98
		For Colored Vinyl, Add	*259.59*	
		For Tinted Glass, Add	*311.51*	
		For Low-E Insulated Glass, Add	*648.98*	
		For Obscure Glass, Add	*713.87*	
08 54 13 00-0400	EA	>73" To 83" UI, Replacement, Awning Fiberglass Window	3,055.53	82.13
		For Colored Vinyl, Add	*289.13*	
		For Tinted Glass, Add	*346.95*	
		For Low-E Insulated Glass, Add	*722.82*	
		For Obscure Glass, Add	*795.10*	
08 54 13 00-0401	EA	>83" To 93" UI, Replacement, Awning Fiberglass Window	3,350.73	89.27
		For Colored Vinyl, Add	*317.22*	
		For Tinted Glass, Add	*380.66*	
		For Low-E Insulated Glass, Add	*793.05*	
		For Obscure Glass, Add	*872.35*	
08 54 13 00-0402	EA	>93" To 101" UI, Replacement, Awning Fiberglass Window	3,491.23	96.41
		For Colored Vinyl, Add	*329.84*	
		For Tinted Glass, Add	*395.81*	
		For Low-E Insulated Glass, Add	*824.60*	
		For Obscure Glass, Add	*907.06*	
08 54 13 00-0403	UI	>101" UI, Replacement, Awning Fiberglass Window	34.50	0.92
		For Colored Vinyl, Add	*3.26*	
		For Tinted Glass, Add	*3.92*	
		For Low-E Insulated Glass, Add	*8.16*	
		For Obscure Glass, Add	*8.98*	
08 54 13 00-0404		New Construction, Awning Fiberglass Windows (Anderson Windows) *(08 54 13 00-0365)* Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 54 13 00-0405	EA	Up To 53" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	441.50	60.71
		For Tempered Glass, Add	*46.12*	
08 54 13 00-0406	EA	>53" To 63" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	508.72	67.85
		For Tempered Glass, Add	*53.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0407	EA	>63" To 73" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	573.58	74.98
		For Tempered Glass, Add	*61.04*	
08 54 13 00-0408	EA	>73" To 83" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	636.04	82.13
		For Tempered Glass, Add	*67.98*	
08 54 13 00-0409	UI	>83" UI, Awning Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	7.18	0.92
		For Tempered Glass, Add	*0.77*	

08 54 13 00-0410 Horizontal Sliding Fiberglass Windows *(08 54 13)*

08 54 13 00-0411 New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0410)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0412 20" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

08 54 13 00-0413	EA	36" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,014.80	69.99
		For Colored Vinyl, Add	*87.63*	
		For Tinted Glass, Add	*105.15*	
		For Low-E Insulated Glass, Add	*219.06*	
		For Obscure Glass, Add	*240.97*	
08 54 13 00-0414	EA	48" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,117.87	78.56
		For Colored Vinyl, Add	*96.22*	
		For Tinted Glass, Add	*115.46*	
		For Low-E Insulated Glass, Add	*240.55*	
		For Obscure Glass, Add	*264.60*	
08 54 13 00-0415	EA	54" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,169.40	82.13
		For Colored Vinyl, Add	*100.52*	
		For Tinted Glass, Add	*120.62*	
		For Low-E Insulated Glass, Add	*251.29*	
		For Obscure Glass, Add	*276.42*	
08 54 13 00-0416	EA	60" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,220.95	86.42
		For Colored Vinyl, Add	*104.81*	
		For Tinted Glass, Add	*125.77*	
		For Low-E Insulated Glass, Add	*262.03*	
		For Obscure Glass, Add	*288.23*	
08 54 13 00-0417	EA	64" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,255.23	89.98
		For Colored Vinyl, Add	*107.67*	
		For Tinted Glass, Add	*129.20*	
		For Low-E Insulated Glass, Add	*269.17*	
		For Obscure Glass, Add	*296.09*	
08 54 13 00-0418	EA	72" x 20", New Construction, Horizontal Sliding Fiberglass Window	1,324.02	94.98
		For Colored Vinyl, Add	*113.41*	
		For Tinted Glass, Add	*136.09*	
		For Low-E Insulated Glass, Add	*283.51*	
		For Obscure Glass, Add	*311.86*	

08 54 13 00-0419 24" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

08 54 13 00-0420	EA	36" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,068.87	72.84
		For Colored Vinyl, Add	*92.46*	
		For Tinted Glass, Add	*110.95*	
		For Low-E Insulated Glass, Add	*231.15*	
		For Obscure Glass, Add	*254.27*	
08 54 13 00-0421	EA	48" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,175.86	81.42
		For Colored Vinyl, Add	*101.45*	
		For Tinted Glass, Add	*121.74*	
		For Low-E Insulated Glass, Add	*253.62*	
		For Obscure Glass, Add	*278.98*	
08 54 13 00-0422	EA	54" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,229.79	84.99
		For Colored Vinyl, Add	*105.98*	
		For Tinted Glass, Add	*127.18*	
		For Low-E Insulated Glass, Add	*264.96*	
		For Obscure Glass, Add	*291.45*	
08 54 13 00-0423	EA	60" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,282.93	89.27
		For Colored Vinyl, Add	*110.44*	
		For Tinted Glass, Add	*132.53*	
		For Low-E Insulated Glass, Add	*276.10*	
		For Obscure Glass, Add	*303.71*	
08 54 13 00-0424	EA	64" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,318.59	92.84
		For Colored Vinyl, Add	*113.43*	
		For Tinted Glass, Add	*136.12*	
		For Low-E Insulated Glass, Add	*283.59*	
		For Obscure Glass, Add	*311.94*	
08 54 13 00-0425	EA	72" x 24", New Construction, Horizontal Sliding Fiberglass Window	1,389.92	97.84
		For Colored Vinyl, Add	*119.42*	
		For Tinted Glass, Add	*143.31*	
		For Low-E Insulated Glass, Add	*298.56*	
		For Obscure Glass, Add	*328.42*	

08 54 13 00-0426 36" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0427	EA	36" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,232.27	81.42
		For Colored Vinyl, Add	*107.09*	
		For Tinted Glass, Add	*128.50*	
		For Low-E Insulated Glass, Add	*267.72*	
		For Obscure Glass, Add	*294.49*	
08 54 13 00-0428	EA	48" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,351.92	89.98
		For Colored Vinyl, Add	*117.34*	
		For Tinted Glass, Add	*140.81*	
		For Low-E Insulated Glass, Add	*293.35*	
		For Obscure Glass, Add	*322.68*	
08 54 13 00-0429	EA	54" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,411.82	93.55
		For Colored Vinyl, Add	*122.47*	
		For Tinted Glass, Add	*146.96*	
		For Low-E Insulated Glass, Add	*306.18*	
		For Obscure Glass, Add	*336.79*	
08 54 13 00-0430	EA	60" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,471.64	97.84
		For Colored Vinyl, Add	*127.60*	
		For Tinted Glass, Add	*153.12*	
		For Low-E Insulated Glass, Add	*318.99*	
		For Obscure Glass, Add	*350.89*	
08 54 13 00-0431	EA	64" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,511.59	99.99
		For Colored Vinyl, Add	*131.02*	
		For Tinted Glass, Add	*157.22*	
		For Low-E Insulated Glass, Add	*327.55*	
		For Obscure Glass, Add	*360.31*	
08 54 13 00-0432	EA	72" x 36", New Construction, Horizontal Sliding Fiberglass Window	1,591.44	106.41
		For Colored Vinyl, Add	*137.86*	
		For Tinted Glass, Add	*165.43*	
		For Low-E Insulated Glass, Add	*344.65*	
		For Obscure Glass, Add	*379.12*	
08 54 13 00-0433		42" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0434	EA	36" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,313.98	85.70
		For Colored Vinyl, Add	*114.40*	
		For Tinted Glass, Add	*137.28*	
		For Low-E Insulated Glass, Add	*286.00*	
		For Obscure Glass, Add	*314.60*	
08 54 13 00-0435	EA	48" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,440.03	94.27
		For Colored Vinyl, Add	*125.29*	
		For Tinted Glass, Add	*150.35*	
		For Low-E Insulated Glass, Add	*313.23*	
		For Obscure Glass, Add	*344.55*	
08 54 13 00-0436	EA	54" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,503.12	97.84
		For Colored Vinyl, Add	*130.74*	
		For Tinted Glass, Add	*156.89*	
		For Low-E Insulated Glass, Add	*326.86*	
		For Obscure Glass, Add	*359.55*	
08 54 13 00-0437	EA	60" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,566.14	102.13
		For Colored Vinyl, Add	*136.19*	
		For Tinted Glass, Add	*163.43*	
		For Low-E Insulated Glass, Add	*340.47*	
		For Obscure Glass, Add	*374.52*	
08 54 13 00-0438	EA	64" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,607.99	105.70
		For Colored Vinyl, Add	*139.80*	
		For Tinted Glass, Add	*167.76*	
		For Low-E Insulated Glass, Add	*349.51*	
		For Obscure Glass, Add	*384.46*	
08 54 13 00-0439	EA	72" x 42", New Construction, Horizontal Sliding Fiberglass Window	1,692.18	110.70
		For Colored Vinyl, Add	*147.08*	
		For Tinted Glass, Add	*176.49*	
		For Low-E Insulated Glass, Add	*367.70*	
		For Obscure Glass, Add	*404.47*	
08 54 13 00-0440		44" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0441	EA	36" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,341.26	87.13
		For Colored Vinyl, Add	*116.84*	
		For Tinted Glass, Add	*140.21*	
		For Low-E Insulated Glass, Add	*292.11*	
		For Obscure Glass, Add	*321.32*	
08 54 13 00-0442	EA	48" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,469.42	95.70
		For Colored Vinyl, Add	*127.95*	
		For Tinted Glass, Add	*153.53*	
		For Low-E Insulated Glass, Add	*319.86*	
		For Obscure Glass, Add	*351.85*	
08 54 13 00-0443	EA	54" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,533.46	99.27
		For Colored Vinyl, Add	*133.49*	
		For Tinted Glass, Add	*160.19*	
		For Low-E Insulated Glass, Add	*333.73*	
		For Obscure Glass, Add	*367.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0444	EA	60" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,597.56	103.56
		For Colored Vinyl, Add	*139.05*	
		For Tinted Glass, Add	*166.86*	
		For Low-E Insulated Glass, Add	*347.62*	
		For Obscure Glass, Add	*382.38*	
08 54 13 00-0445	EA	64" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,640.37	107.13
		For Colored Vinyl, Add	*142.75*	
		For Tinted Glass, Add	*171.30*	
		For Low-E Insulated Glass, Add	*356.89*	
		For Obscure Glass, Add	*392.57*	
08 54 13 00-0446	EA	72" x 44", New Construction, Horizontal Sliding Fiberglass Window	1,725.65	112.12
		For Colored Vinyl, Add	*150.14*	
		For Tinted Glass, Add	*180.17*	
		For Low-E Insulated Glass, Add	*375.35*	
		For Obscure Glass, Add	*412.89*	
08 54 13 00-0447		46" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0448	EA	36" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,368.48	88.56
		For Colored Vinyl, Add	*119.28*	
		For Tinted Glass, Add	*143.13*	
		For Low-E Insulated Glass, Add	*298.20*	
		For Obscure Glass, Add	*328.02*	
08 54 13 00-0449	EA	48" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,498.74	97.12
		For Colored Vinyl, Add	*130.59*	
		For Tinted Glass, Add	*156.71*	
		For Low-E Insulated Glass, Add	*326.48*	
		For Obscure Glass, Add	*359.13*	
08 54 13 00-0450	EA	54" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,563.86	100.70
		For Colored Vinyl, Add	*136.25*	
		For Tinted Glass, Add	*163.50*	
		For Low-E Insulated Glass, Add	*340.62*	
		For Obscure Glass, Add	*374.68*	
08 54 13 00-0451	EA	60" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,628.93	104.99
		For Colored Vinyl, Add	*141.90*	
		For Tinted Glass, Add	*170.28*	
		For Low-E Insulated Glass, Add	*354.74*	
		For Obscure Glass, Add	*390.21*	
08 54 13 00-0452	EA	64" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,672.37	108.55
		For Colored Vinyl, Add	*145.67*	
		For Tinted Glass, Add	*174.80*	
		For Low-E Insulated Glass, Add	*364.17*	
		For Obscure Glass, Add	*400.59*	
08 54 13 00-0453	EA	72" x 46", New Construction, Horizontal Sliding Fiberglass Window	1,759.25	113.55
		For Colored Vinyl, Add	*153.22*	
		For Tinted Glass, Add	*183.86*	
		For Low-E Insulated Glass, Add	*383.04*	
		For Obscure Glass, Add	*421.34*	
08 54 13 00-0454		48" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0455	EA	36" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,395.76	89.98
		For Colored Vinyl, Add	*121.72*	
		For Tinted Glass, Add	*146.07*	
		For Low-E Insulated Glass, Add	*304.31*	
		For Obscure Glass, Add	*334.74*	
08 54 13 00-0456	EA	48" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,528.13	98.55
		For Colored Vinyl, Add	*133.25*	
		For Tinted Glass, Add	*159.89*	
		For Low-E Insulated Glass, Add	*333.11*	
		For Obscure Glass, Add	*366.42*	
08 54 13 00-0457	EA	54" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,594.27	102.13
		For Colored Vinyl, Add	*139.00*	
		For Tinted Glass, Add	*166.80*	
		For Low-E Insulated Glass, Add	*347.51*	
		For Obscure Glass, Add	*382.26*	
08 54 13 00-0458	EA	60" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,660.36	106.41
		For Colored Vinyl, Add	*144.75*	
		For Tinted Glass, Add	*173.70*	
		For Low-E Insulated Glass, Add	*361.88*	
		For Obscure Glass, Add	*398.07*	
08 54 13 00-0459	EA	64" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,704.53	109.98
		For Colored Vinyl, Add	*148.60*	
		For Tinted Glass, Add	*178.32*	
		For Low-E Insulated Glass, Add	*371.50*	
		For Obscure Glass, Add	*408.65*	
08 54 13 00-0460	EA	72" x 48", New Construction, Horizontal Sliding Fiberglass Window	1,792.86	114.98
		For Colored Vinyl, Add	*156.29*	
		For Tinted Glass, Add	*187.55*	
		For Low-E Insulated Glass, Add	*390.73*	
		For Obscure Glass, Add	*429.80*	
08 54 13 00-0461		50" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0462	EA	36" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,422.97	91.41
		For Colored Vinyl, Add	*124.16*	
		For Tinted Glass, Add	*148.99*	
		For Low-E Insulated Glass, Add	*310.39*	
		For Obscure Glass, Add	*341.43*	
08 54 13 00-0463	EA	48" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,557.38	99.99
		For Colored Vinyl, Add	*135.88*	
		For Tinted Glass, Add	*163.06*	
		For Low-E Insulated Glass, Add	*339.71*	
		For Obscure Glass, Add	*373.68*	
08 54 13 00-0464	EA	54" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,624.60	103.56
		For Colored Vinyl, Add	*141.75*	
		For Tinted Glass, Add	*170.10*	
		For Low-E Insulated Glass, Add	*354.38*	
		For Obscure Glass, Add	*389.81*	
08 54 13 00-0465	EA	60" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,691.78	107.84
		For Colored Vinyl, Add	*147.61*	
		For Tinted Glass, Add	*177.13*	
		For Low-E Insulated Glass, Add	*369.03*	
		For Obscure Glass, Add	*405.93*	
08 54 13 00-0466	EA	64" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,736.68	111.41
		For Colored Vinyl, Add	*151.53*	
		For Tinted Glass, Add	*181.83*	
		For Low-E Insulated Glass, Add	*378.82*	
		For Obscure Glass, Add	*416.70*	
08 54 13 00-0467	EA	72" x 50", New Construction, Horizontal Sliding Fiberglass Window	1,826.40	116.41
		For Colored Vinyl, Add	*159.36*	
		For Tinted Glass, Add	*191.23*	
		For Low-E Insulated Glass, Add	*398.40*	
		For Obscure Glass, Add	*438.23*	
08 54 13 00-0468		52" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0469	EA	36" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,450.18	92.84
		For Colored Vinyl, Add	*126.59*	
		For Tinted Glass, Add	*151.91*	
		For Low-E Insulated Glass, Add	*316.48*	
		For Obscure Glass, Add	*348.13*	
08 54 13 00-0470	EA	48" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,586.83	101.42
		For Colored Vinyl, Add	*138.54*	
		For Tinted Glass, Add	*166.25*	
		For Low-E Insulated Glass, Add	*346.36*	
		For Obscure Glass, Add	*381.00*	
08 54 13 00-0471	EA	54" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,655.03	104.99
		For Colored Vinyl, Add	*144.51*	
		For Tinted Glass, Add	*173.41*	
		For Low-E Insulated Glass, Add	*361.27*	
		For Obscure Glass, Add	*397.39*	
08 54 13 00-0472	EA	60" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,723.43	109.27
		For Colored Vinyl, Add	*150.49*	
		For Tinted Glass, Add	*180.59*	
		For Low-E Insulated Glass, Add	*376.22*	
		For Obscure Glass, Add	*413.84*	
08 54 13 00-0473	EA	64" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,768.91	112.84
		For Colored Vinyl, Add	*154.47*	
		For Tinted Glass, Add	*185.36*	
		For Low-E Insulated Glass, Add	*386.17*	
		For Obscure Glass, Add	*424.78*	
08 54 13 00-0474	EA	72" x 52", New Construction, Horizontal Sliding Fiberglass Window	1,860.02	117.83
		For Colored Vinyl, Add	*162.43*	
		For Tinted Glass, Add	*194.92*	
		For Low-E Insulated Glass, Add	*406.09*	
		For Obscure Glass, Add	*446.69*	
08 54 13 00-0475		54" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*		
08 54 13 00-0476	EA	36" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,477.47	94.27
		For Colored Vinyl, Add	*129.04*	
		For Tinted Glass, Add	*154.84*	
		For Low-E Insulated Glass, Add	*322.59*	
		For Obscure Glass, Add	*354.85*	
08 54 13 00-0477	EA	48" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,616.08	102.84
		For Colored Vinyl, Add	*141.18*	
		For Tinted Glass, Add	*169.42*	
		For Low-E Insulated Glass, Add	*352.96*	
		For Obscure Glass, Add	*388.25*	
08 54 13 00-0478	EA	54" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,685.44	106.41
		For Colored Vinyl, Add	*147.26*	
		For Tinted Glass, Add	*176.71*	
		For Low-E Insulated Glass, Add	*368.15*	
		For Obscure Glass, Add	*404.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0479	EA	60" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,754.85	110.70
		For Colored Vinyl, Add	*153.35*	
		For Tinted Glass, Add	*184.02*	
		For Low-E Insulated Glass, Add	*383.37*	
		For Obscure Glass, Add	*421.70*	
08 54 13 00-0480	EA	64" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,801.06	114.27
		For Colored Vinyl, Add	*157.40*	
		For Tinted Glass, Add	*188.88*	
		For Low-E Insulated Glass, Add	*393.49*	
		For Obscure Glass, Add	*432.84*	
08 54 13 00-0481	EA	72" x 54", New Construction, Horizontal Sliding Fiberglass Window	1,893.47	119.26
		For Colored Vinyl, Add	*165.49*	
		For Tinted Glass, Add	*198.59*	
		For Low-E Insulated Glass, Add	*413.74*	
		For Obscure Glass, Add	*455.11*	

08 54 13 00-0482 60" Height, New Construction, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0411)*

08 54 13 00-0483	EA	36" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,623.51	98.55
		For Colored Vinyl, Add	*142.78*	
		For Tinted Glass, Add	*171.34*	
		For Low-E Insulated Glass, Add	*356.96*	
		For Obscure Glass, Add	*392.65*	
08 54 13 00-0484	EA	48" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,704.20	107.13
		For Colored Vinyl, Add	*149.14*	
		For Tinted Glass, Add	*178.96*	
		For Low-E Insulated Glass, Add	*372.84*	
		For Obscure Glass, Add	*410.13*	
08 54 13 00-0485	EA	54" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,776.73	110.70
		For Colored Vinyl, Add	*155.53*	
		For Tinted Glass, Add	*186.64*	
		For Low-E Insulated Glass, Add	*388.84*	
		For Obscure Glass, Add	*427.72*	
08 54 13 00-0486	EA	60" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,849.21	114.98
		For Colored Vinyl, Add	*161.93*	
		For Tinted Glass, Add	*194.31*	
		For Low-E Insulated Glass, Add	*404.81*	
		For Obscure Glass, Add	*445.29*	
08 54 13 00-0487	EA	64" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,897.60	118.55
		For Colored Vinyl, Add	*166.19*	
		For Tinted Glass, Add	*199.43*	
		For Low-E Insulated Glass, Add	*415.48*	
		For Obscure Glass, Add	*457.03*	
08 54 13 00-0488	EA	72" x 60", New Construction, Horizontal Sliding Fiberglass Window	1,994.23	123.55
		For Colored Vinyl, Add	*174.71*	
		For Tinted Glass, Add	*209.66*	
		For Low-E Insulated Glass, Add	*436.78*	
		For Obscure Glass, Add	*480.46*	

08 54 13 00-0489 Replacement, Horizontal Sliding Fiberglass Windows *(08 54 13 00-0410)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0490	EA	Up To 73" UI, Replacement, Horizontal Sliding Fiberglass Window	1,792.27	74.98
		For Colored Vinyl, Add	*164.23*	
		For Tinted Glass, Add	*197.07*	
		For Low-E Insulated Glass, Add	*410.57*	
		For Obscure Glass, Add	*451.63*	
08 54 13 00-0491	EA	>73" To 83" UI, Replacement, Horizontal Sliding Fiberglass Window	1,971.28	82.13
		For Colored Vinyl, Add	*180.70*	
		For Tinted Glass, Add	*216.84*	
		For Low-E Insulated Glass, Add	*451.76*	
		For Obscure Glass, Add	*496.93*	
08 54 13 00-0492	EA	>83" To 93" UI, Replacement, Horizontal Sliding Fiberglass Window	2,135.84	89.27
		For Colored Vinyl, Add	*195.73*	
		For Tinted Glass, Add	*234.88*	
		For Low-E Insulated Glass, Add	*489.33*	
		For Obscure Glass, Add	*538.26*	
08 54 13 00-0493	EA	>93" To 101" UI, Replacement, Horizontal Sliding Fiberglass Window	2,245.22	96.41
		For Colored Vinyl, Add	*205.24*	
		For Tinted Glass, Add	*246.29*	
		For Low-E Insulated Glass, Add	*513.10*	
		For Obscure Glass, Add	*564.41*	
08 54 13 00-0494	EA	>101" To 110" UI, Replacement, Horizontal Sliding Fiberglass Window	2,362.51	103.56
		For Colored Vinyl, Add	*215.54*	
		For Tinted Glass, Add	*258.65*	
		For Low-E Insulated Glass, Add	*538.85*	
		For Obscure Glass, Add	*592.74*	
08 54 13 00-0495	EA	>110" To 120" UI, Replacement, Horizontal Sliding Fiberglass Window	2,572.73	110.70
		For Colored Vinyl, Add	*235.13*	
		For Tinted Glass, Add	*282.16*	
		For Low-E Insulated Glass, Add	*587.84*	
		For Obscure Glass, Add	*646.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0496	UI	>120" UI, Replacement, Horizontal Sliding Fiberglass Window	21.49	0.92
		For Colored Vinyl, Add	*1.96*	
		For Tinted Glass, Add	*2.36*	
		For Low-E Insulated Glass, Add	*4.91*	
		For Obscure Glass, Add	*5.40*	

08 54 13 00-0497 New Construction, Horizontal Sliding Fiberglass Windows (Anderson Windows) *(08 54 13 00-0410)*

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0498	EA	Up To 73" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	605.99	74.98
08 54 13 00-0499	EA	>73" To 83" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	666.01	82.13
08 54 13 00-0500	EA	>83" To 93" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	722.01	89.27
08 54 13 00-0501	EA	>93" To 101" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	788.15	96.41
08 54 13 00-0502	EA	>101" To 110" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	871.12	103.56
08 54 13 00-0503	EA	>110" To 120" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	954.10	110.70
08 54 13 00-0504	UI	>120" UI, Horizontal Sliding Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass, insect screen	7.97	0.92

08 54 13 00-0505 Fixed Picture Fiberglass Windows *(08 54 13)*

08 54 13 00-0506 New Construction, Fixed Picture Vinyl Windows (Anderson Windows) *(08 54 13 00-0505)*

Note: Includes solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0507	EA	Up To 73" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	529.48	74.98
08 54 13 00-0508	EA	>73" To 83" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	580.32	82.13
08 54 13 00-0509	EA	>83" To 93" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	627.47	89.27
08 54 13 00-0510	EA	>93" To 101" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	661.63	96.41
08 54 13 00-0511	EA	>101" To 110" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	697.25	103.56
08 54 13 00-0512	EA	>110" To 120" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	756.10	110.70
08 54 13 00-0513	UI	>120" UI, Fixed Picture Fiberglass Window (Anderson Windows) Note: Includes 1" flange setback with stucco key, dark bronze/white, low E SmartSun glass	6.31	0.92

08 54 13 00-0514 Basement Fiberglass Windows *(08 54 13)*

08 54 13 00-0515 New Construction, Basement Fiberglass Windows *(08 54 13 00-0514)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 54 13 00-0516	EA	32" x 15", New Construction, Basement Fiberglass Window	985.14	57.14
		For Colored Vinyl, Add	*87.09*	
		For Tinted Glass, Add	*104.50*	
		For Low-E Insulated Glass, Add	*217.72*	
		For Obscure Glass, Add	*239.49*	
08 54 13 00-0517	EA	32" x 20", New Construction, Basement Fiberglass Window	1,086.78	57.14
		For Colored Vinyl, Add	*97.25*	
		For Tinted Glass, Add	*116.70*	
		For Low-E Insulated Glass, Add	*243.13*	
		For Obscure Glass, Add	*267.44*	
08 54 13 00-0518	EA	32" x 23", New Construction, Basement Fiberglass Window	1,144.79	57.14
		For Colored Vinyl, Add	*103.05*	
		For Tinted Glass, Add	*123.66*	
		For Low-E Insulated Glass, Add	*257.63*	
		For Obscure Glass, Add	*283.39*	

08 54 13 00-0519 Replacement, Basement Fiberglass Windows *(08 54 13 00-0514)*

Note: Includes white solid fiberglass interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 54 13 00-0520	EA	Up To 47" UI, Replacement, Basement Fiberglass Window	1,345.13	55.71
		For Colored Vinyl, Add	*123.37*	
		For Tinted Glass, Add	*148.05*	
		For Low-E Insulated Glass, Add	*308.43*	
		For Obscure Glass, Add	*339.27*	
08 54 13 00-0521	EA	>47" To 55" UI, Replacement, Basement Fiberglass Window	1,485.64	64.28
		For Colored Vinyl, Add	*135.71*	
		For Tinted Glass, Add	*162.85*	
		For Low-E Insulated Glass, Add	*339.27*	
		For Obscure Glass, Add	*373.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 54 13 00-0522	UI	>55" UI, Replacement, Basement Fiberglass Window	26.51	0.92
		For Colored Vinyl, Add	*2.47*	
		For Tinted Glass, Add	*2.96*	
		For Low-E Insulated Glass, Add	*6.16*	
		For Obscure Glass, Add	*6.78*	

08 54 66 Fiberglass Window Screens *(08 54)*

08 54 66 00-0001 Insect Screens For Fiberglass Windows *(08 54 66)*

08 54 66 00-0002	EA	Up To 6 SF, Insect Screen For Fiberglass Windows	75.71	9.59
08 54 66 00-0003	EA	>6 To 9 SF, Insect Screen For Fiberglass Windows	109.62	9.59
08 54 66 00-0004	EA	>9 To 12 SF, Insect Screen For Fiberglass Windows	120.93	9.59
08 54 66 00-0005	EA	>12 To 15 SF, Insect Screen For Fiberglass Windows	143.54	9.59
08 54 66 00-0006	EA	>15 To 20 SF, Insect Screen For Fiberglass Windows	194.42	9.59
08 54 66 00-0007	EA	>20 To 25 SF, Insect Screen For Fiberglass Windows	217.03	9.59
08 54 66 00-0008	EA	>25 To 30 SF, Insect Screen For Fiberglass Windows	250.94	9.59
08 54 66 00-0009	EA	>30 To 35 SF, Insect Screen For Fiberglass Windows	273.56	9.59
08 54 66 00-0010	SF	>35 SF, Insect Screen For Fiberglass Windows	8.39	0.19

08 54 66 00-0011 Factory Installed Grilles For Fiberglass Windows *(08 54 66)*

08 54 66 00-0012 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*

08 54 66 00-0013	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	87.05	
08 54 66 00-0014	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	111.93	
08 54 66 00-0015	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	144.15	
08 54 66 00-0016	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	170.15	
08 54 66 00-0017	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Fiberglass Windows	209.15	

08 54 66 00-0018 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows *(08 54 66 00-0011)*

08 54 66 00-0019	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	197.85	
08 54 66 00-0020	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	237.42	
08 54 66 00-0021	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	299.60	
08 54 66 00-0022	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	373.08	
08 54 66 00-0023	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Fiberglass Windows	446.57	

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*
Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,003.40	718.58
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,512.10	778.46
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,796.66	838.35
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,255.61	958.11
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,787.66	1,437.16
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 49 Radiation Shielding Windows *(08 56)*

08 56 49 00-0001 Lead Lined Window Frames *(08 56 49)*

08 56 49 00-0002	LF	1/8" Lead Lined, 16 Gauge Telescoping Window Frame	64.14	10.71
08 56 49 00-0003	LF	1/16" Lead Lined, 16 Gauge Telescoping Window Frame	57.03	10.71

08 56 56 Security Window Screens *(08 56)*

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0001		**Wire Mesh Security Screen** *(08 56 56)*		
08 56 56 00-0002		**Wire Mesh, Inoperable, Security Window Screen** *(08 56 56 00-0001)*		
08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	47.46	5.39
		For Painted Steel, Add	*4.03*	
		For Galvanized Steel, Add	*8.05*	
		For Aluminum, Add	*16.11*	
		For Stainless Steel, Add	*70.47*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	48.61	5.39
		For Painted Steel, Add	*4.14*	
		For Galvanized Steel, Add	*8.28*	
		For Aluminum, Add	*16.57*	
		For Stainless Steel, Add	*72.49*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	53.92	5.39
		For Painted Steel, Add	*4.67*	
		For Galvanized Steel, Add	*9.35*	
		For Aluminum, Add	*18.69*	
		For Stainless Steel, Add	*81.78*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	65.28	5.39
		For Painted Steel, Add	*5.81*	
		For Galvanized Steel, Add	*11.62*	
		For Aluminum, Add	*23.24*	
		For Stainless Steel, Add	*101.66*	
08 56 56 00-0007		**Wire Mesh, Operable, Security Window Screen** *(08 56 56 00-0001)*		
08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	66.93	6.58
		For Painted Steel, Add	*5.74*	
		For Galvanized Steel, Add	*11.47*	
		For Aluminum, Add	*22.94*	
		For Stainless Steel, Add	*100.36*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	68.69	6.58
		For Painted Steel, Add	*5.91*	
		For Galvanized Steel, Add	*11.82*	
		For Aluminum, Add	*23.64*	
		For Stainless Steel, Add	*103.44*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	76.30	6.58
		For Painted Steel, Add	*6.67*	
		For Galvanized Steel, Add	*13.34*	
		For Aluminum, Add	*26.69*	
		For Stainless Steel, Add	*116.76*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	92.24	6.58
		For Painted Steel, Add	*8.27*	
		For Galvanized Steel, Add	*16.53*	
		For Aluminum, Add	*33.06*	
		For Stainless Steel, Add	*144.66*	
08 56 56 00-0012		**Wire Cloth Security Screen** *(08 56 56)*		
		Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013		**Wire Cloth, Inoperable, Security Window Screens** *(08 56 56 00-0012)*		
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	30.00	3.59
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.60*	
		For Aluminum, Add	*7.20*	
		For Stainless Steel, Add	*30.01*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	31.62	3.59
		For Painted Steel, Add	*1.28*	
		For Galvanized Steel, Add	*3.84*	
		For Aluminum, Add	*7.69*	
		For Stainless Steel, Add	*32.04*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	34.16	3.59
		For Painted Steel, Add	*1.41*	
		For Galvanized Steel, Add	*4.23*	
		For Aluminum, Add	*8.45*	
		For Stainless Steel, Add	*35.21*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	39.01	3.59
		For Painted Steel, Add	*1.65*	
		For Galvanized Steel, Add	*4.95*	
		For Aluminum, Add	*9.91*	
		For Stainless Steel, Add	*41.28*	
08 56 56 00-0018		**Wire Cloth, Operable, Security Window Screens** *(08 56 56 00-0012)*		
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	41.41	4.79
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.13*	
		For Aluminum, Add	*10.27*	
		For Stainless Steel, Add	*42.78*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	43.90	4.79
		For Painted Steel, Add	*1.84*	
		For Galvanized Steel, Add	*5.51*	
		For Aluminum, Add	*11.01*	
		For Stainless Steel, Add	*45.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	47.36	4.79
		For Painted Steel, Add	*2.01*	
		For Galvanized Steel, Add	*6.03*	
		For Aluminum, Add	*12.05*	
		For Stainless Steel, Add	*50.21*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	54.29	4.79
		For Painted Steel, Add	*2.36*	
		For Galvanized Steel, Add	*7.07*	
		For Aluminum, Add	*14.13*	
		For Stainless Steel, Add	*58.88*	

08 56 56 00-0023 Expanded Metal Security Screen *(08 56 56)*

Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.

08 56 56 00-0024 Expanded Metal, Inoperable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	57.65	8.98
		For Painted Steel, Add	*2.34*	
		For Galvanized Steel, Add	*7.03*	
		For Aluminum, Add	*14.06*	
		For Stainless Steel, Add	*58.59*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	66.74	10.78
		For Painted Steel, Add	*2.68*	
		For Galvanized Steel, Add	*8.03*	
		For Aluminum, Add	*16.07*	
		For Stainless Steel, Add	*66.95*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	73.97	13.18
		For Painted Steel, Add	*2.92*	
		For Galvanized Steel, Add	*8.76*	
		For Aluminum, Add	*17.52*	
		For Stainless Steel, Add	*73.01*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	85.88	15.56
		For Painted Steel, Add	*3.34*	
		For Galvanized Steel, Add	*10.01*	
		For Aluminum, Add	*20.02*	
		For Stainless Steel, Add	*83.40*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	79.84	14.97
		For Painted Steel, Add	*3.09*	
		For Galvanized Steel, Add	*9.28*	
		For Aluminum, Add	*18.56*	
		For Stainless Steel, Add	*77.35*	
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	100.56	19.16
		For Painted Steel, Add	*3.89*	
		For Galvanized Steel, Add	*11.67*	
		For Aluminum, Add	*23.34*	
		For Stainless Steel, Add	*97.26*	

08 56 56 00-0031 Expanded Metal, Operable, Security Screen *(08 56 56 00-0023)*

08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	42.75	10.78
		For Painted Steel, Add	*1.48*	
		For Galvanized Steel, Add	*4.44*	
		For Aluminum, Add	*8.87*	
		For Stainless Steel, Add	*36.96*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	91.98	13.18
		For Painted Steel, Add	*3.82*	
		For Galvanized Steel, Add	*11.46*	
		For Aluminum, Add	*22.93*	
		For Stainless Steel, Add	*95.53*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	101.31	14.97
		For Painted Steel, Add	*4.17*	
		For Galvanized Steel, Add	*12.50*	
		For Aluminum, Add	*25.01*	
		For Stainless Steel, Add	*104.19*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	108.56	16.76
		For Painted Steel, Add	*4.41*	
		For Galvanized Steel, Add	*13.23*	
		For Aluminum, Add	*26.46*	
		For Stainless Steel, Add	*110.25*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	117.83	19.16
		For Painted Steel, Add	*4.75*	
		For Galvanized Steel, Add	*14.26*	
		For Aluminum, Add	*28.52*	
		For Stainless Steel, Add	*118.85*	
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen	135.97	20.96
		For Painted Steel, Add	*5.54*	
		For Galvanized Steel, Add	*16.62*	
		For Aluminum, Add	*33.25*	
		For Stainless Steel, Add	*138.53*	

08 56 56 00-0038 Perforated Metal Security Screen *(08 56 56)*

08 56 56 00-0039 Perforated Metal, Inoperable, Steel Security Window Screen *(08 56 56 00-0038)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	53.83	5.39
		For Painted Steel, Add	*2.33*	
		For Galvanized Steel, Add	*7.00*	
		For Aluminum, Add	*13.99*	
		For Stainless Steel, Add	*46.64*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	55.67	5.39
		For Painted Steel, Add	*2.42*	
		For Galvanized Steel, Add	*7.27*	
		For Aluminum, Add	*14.54*	
		For Stainless Steel, Add	*48.48*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	61.91	5.39
		For Painted Steel, Add	*2.74*	
		For Galvanized Steel, Add	*8.21*	
		For Aluminum, Add	*16.42*	
		For Stainless Steel, Add	*54.72*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	73.68	5.39
		For Painted Steel, Add	*3.32*	
		For Galvanized Steel, Add	*9.97*	
		For Aluminum, Add	*19.95*	
		For Stainless Steel, Add	*66.49*	
08 56 56 00-0044		**Perforated Metal, Operable, Steel Security Window Screen** *(08 56 56 00-0038)*		
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	75.84	6.58
		For Painted Steel, Add	*3.31*	
		For Galvanized Steel, Add	*9.94*	
		For Aluminum, Add	*19.88*	
		For Stainless Steel, Add	*66.26*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	79.07	6.58
		For Painted Steel, Add	*3.47*	
		For Galvanized Steel, Add	*10.42*	
		For Aluminum, Add	*20.85*	
		For Stainless Steel, Add	*69.49*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	87.16	6.58
		For Painted Steel, Add	*3.88*	
		For Galvanized Steel, Add	*11.64*	
		For Aluminum, Add	*23.27*	
		For Stainless Steel, Add	*77.58*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	104.01	6.58
		For Painted Steel, Add	*4.72*	
		For Galvanized Steel, Add	*14.16*	
		For Aluminum, Add	*28.33*	
		For Stainless Steel, Add	*94.43*	
08 56 56 00-0049		**Removal And Reinstallation Of Security Screens And Guards** *(08 56 56)*		
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	15.09	

08 56 59 Service and Teller Window Units *(08 56)*

08 56 59 00-0001		**Communicator For Window** *(08 56 59)*		
08 56 59 00-0002	EA	Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350) Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.	2,789.73	239.53
08 56 59 00-0003	EA	Electronic Two-Way Audio Communicator (Haven SC-300) Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.	2,427.81	239.53
08 56 59 00-0004	EA	Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1)	2,202.74	239.53
08 56 59 00-0005		**Speak-Thru Communicator For Window** *(08 56 59)*		
08 56 59 00-0006	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	170.81	
08 56 59 00-0007	EA	6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	249.20	
08 56 59 00-0008		**Counter Drop-In Deal Tray** *(08 56 59)*		
08 56 59 00-0009	EA	16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16)	470.37	53.87

08 60 Roof Windows and Skylights *(08)*

Note: Includes hardware, caulk, sealant and necessary anchors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 62 Unit Skylights *(08 60)*

08 62 23 Tubular Skylights *(08 62)*

08 62 23 00-0001 Aluminum Framed Solar Tube Skylights *(08 62 23)*

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,450.92	236.43
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,091.17*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,530.83	242.34
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,092.35*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,608.46	248.25
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,093.53*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,717.86	254.16
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,094.71*	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,813.65	260.08
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,095.90*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,891.28	265.98
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,097.08*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,968.91	271.89
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,098.26*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,096.46	277.81
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,099.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,174.10	283.71
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,100.62*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,253.99	289.63
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,101.81*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,331.62	295.54
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,102.99*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,459.18	301.45
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,104.17*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,536.82	307.36
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,105.35*	
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,614.45	313.27
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,106.53*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,692.08	319.18
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,107.72*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,757.27	236.43
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,091.17*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,866.68	242.34
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,092.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,976.08	248.25
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,093.53*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,085.48	254.16
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,094.71*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,262.97	260.08
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,095.90*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,372.37	265.98
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,097.08*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,481.77	271.89
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,098.26*	
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,659.25	277.81
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,099.44*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,768.66	283.71
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,100.62*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,878.05	289.63
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,101.81*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,987.45	295.54
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,102.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,164.93	301.45
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,104.17*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,274.34	307.36
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,105.35*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,383.74	313.27
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,106.53*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,493.14	319.18
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,107.72*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,345.14	265.98
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,097.08*	
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,497.66	271.89
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,098.26*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,652.44	277.81
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,099.44*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,804.97	283.71
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,100.62*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,048.25	289.63
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,101.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,200.77	295.54
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,102.99*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,353.28	301.45
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,104.17*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,598.85	307.36
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,105.35*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,751.37	313.27
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,106.53*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,903.88	319.18
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,107.72*	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,056.40	325.09
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,108.90*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,299.70	331.00
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,110.08*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,452.21	336.91
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,111.26*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,606.99	342.83
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,112.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,759.51	348.73
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,113.63*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	970.83	159.59
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,159.83	171.41
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,543.15	189.14
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,728.08	200.96
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,220.87	171.41
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,502.33	189.14
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,626.87	200.96
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,836.42	212.79
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,118.52	230.52
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,530.35	200.96
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,651.16	206.88
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,844.84	212.79
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,989.95	218.69
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,191.08	236.43
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,441.11	248.25
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,796.26	212.79
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,949.14	224.61
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,183.30	230.52
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,312.21	242.34
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,643.23	254.16

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,173.26	159.59
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,358.21	171.41
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,701.05	189.14
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,890.03	200.96
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,366.62	171.41
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,615.69	189.14
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,748.33	200.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,974.07	212.79
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,199.49	230.52
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,643.71	200.96
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,780.72	206.88
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,913.67	212.79
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,066.87	218.69
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,231.56	236.43
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,485.65	248.25
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,929.86	212.79
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,094.89	224.61
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,268.32	230.52
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,405.33	242.34
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,703.96	254.16

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,189.45	159.59
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,390.60	171.41
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,745.58	189.14
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,407.11	171.41
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,672.37	189.14
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,792.86	200.96
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,022.66	212.79
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,680.14	200.96
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,813.11	206.88
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,966.30	212.79
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,119.51	218.69
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,296.34	236.43
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,978.45	212.79
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,159.67	224.61
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,333.09	230.52
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,470.11	242.34

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,217.79	159.59
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,435.13	171.41
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,786.07	189.14
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,035.78	200.96
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,447.60	171.41
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,708.81	189.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,833.35	200.96
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,083.38	212.79
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,724.68	200.96
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,857.64	206.88
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,022.98	212.79
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,180.23	218.69
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,361.12	236.43
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,039.18	212.79
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,220.40	224.61
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,397.87	230.52
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,542.98	242.34

08 63 13 00-0081 Curb Top Inserts *(08 63 13 00-0003)*

Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.

08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	318.12	76.84
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	413.48	88.66
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	654.20	118.22
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	604.21	106.39
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	717.74	118.22

08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	411.17	76.84
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	592.76	88.66
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	978.71	118.22
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	949.15	106.39
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,167.06	118.22

08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	501.94	76.84
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	762.96	88.66
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,378.10	118.22
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,271.39	106.39
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,584.61	118.22

08 63 13 00-0100 Pyramid Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0101 Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	897.95	159.59
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,107.51	171.41
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,416.98	200.96
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,751.72	212.79

08 63 13 00-0106 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0100)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,213.74	159.59
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,431.40	171.41
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,712.53	200.96
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	2,022.98	212.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0111		Double Hip Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*		
08 63 13 00-0112		Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,047.75	159.59
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,421.69	189.14
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,663.31	200.96
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,348.48	189.14
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,468.97	200.96
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,747.35	212.79
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,033.50	230.52
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,541.85	206.88
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,686.95	212.79
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,844.20	218.69
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,012.94	236.43
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,352.04	248.25
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,904.60	224.61
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,122.57	230.52
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,271.72	242.34
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,598.69	254.16
08 63 13 00-0129		Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,185.40	159.59
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,378.45	171.41
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,721.29	189.14
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,394.96	171.41
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,535.70	183.24
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,648.08	189.14
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,768.57	200.96
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,002.41	212.79
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,663.95	206.88
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,796.91	206.88
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,942.01	212.79
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,091.17	218.69
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,263.95	236.43
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,950.11	212.79
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,131.33	224.61
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,300.71	230.52
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,433.67	242.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0147		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)* Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,366.31	171.41
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,773.92	189.14
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,692.61	189.14
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,821.20	200.96
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,067.19	212.79
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,845.49	206.88
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,002.74	212.79
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,164.04	218.69
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,328.73	236.43
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,204.20	224.61
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,381.68	230.52
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,522.74	242.34
08 63 13 00-0160		Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*		
08 63 13 00-0161		Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)* Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162		Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0163		10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,438.05	236.43
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,045.98	224.61
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,709.31	236.43
08 63 13 00-0167		25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,053.45	236.43
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,677.57	224.61
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,421.87	236.43
08 63 13 00-0171		30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,519.04	236.43
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,135.06	224.61
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,879.36	236.43
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,462.35	236.43
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,070.27	224.61
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,745.75	236.43

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0180		25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,085.83	236.43
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,701.86	224.61
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,462.35	236.43
08 63 13 00-0184		30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,543.33	236.43
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,159.35	224.61
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,919.85	236.43

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) *(08 66)*		
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	836.41	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*119.83*	
		For Aluminum Shingle Flashing, Add	*95.87*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	855.97	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*124.72*	
		For Aluminum Shingle Flashing, Add	*99.78*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	809.50	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*113.11*	
		For Aluminum Shingle Flashing, Add	*90.48*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	870.64	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*128.39*	
		For Aluminum Shingle Flashing, Add	*102.71*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	922.00	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*141.23*	
		For Aluminum Shingle Flashing, Add	*112.98*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,005.15	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,110.31	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*188.31*	
		For Aluminum Shingle Flashing, Add	*150.65*	
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	809.50	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*113.11*	
		For Aluminum Shingle Flashing, Add	*90.48*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	934.23	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*144.29*	
		For Aluminum Shingle Flashing, Add	*115.43*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,005.15	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,085.85	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*182.19*	
		For Aluminum Shingle Flashing, Add	*145.75*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,193.45	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*209.09*	
		For Aluminum Shingle Flashing, Add	*167.27*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	836.41	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*119.83*	
		For Aluminum Shingle Flashing, Add	*95.87*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	870.64	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*128.39*	
		For Aluminum Shingle Flashing, Add	*102.71*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	934.23	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*144.29*	
		For Aluminum Shingle Flashing, Add	*115.43*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,159.22	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*200.54*	
		For Aluminum Shingle Flashing, Add	*160.43*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	855.97	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*124.72*	
		For Aluminum Shingle Flashing, Add	*99.78*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	922.00	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*141.23*	
		For Aluminum Shingle Flashing, Add	*112.98*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,005.15	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,159.22	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*200.54*	
		For Aluminum Shingle Flashing, Add	*160.43*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,005.15	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*162.02*	
		For Aluminum Shingle Flashing, Add	*129.61*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,085.85	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*182.19*	
		For Aluminum Shingle Flashing, Add	*145.75*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,110.31	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*188.31*	
		For Aluminum Shingle Flashing, Add	*150.65*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,193.45	178.54
		For Tempered Laminated Low-E Insulated Glass, Add	*209.09*	
		For Aluminum Shingle Flashing, Add	*167.27*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	102.93	9.99
		For Clear Coated Bright Brass, Add	*7.01*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	112.87	14.29
		For Clear Coated Bright Brass, Add	*7.80*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	128.23	15.71
		For Clear Coated Bright Brass, Add	*6.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	118.14	9.99
		For Clear Coated Bright Brass, Add	*8.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	135.65	14.29
		For Clear Coated Bright Brass, Add	*8.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	138.39	15.71
		For Clear Coated Bright Brass, Add	*7.95*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	161.65	18.57
		For Clear Coated Bright Brass, Add	*9.30*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	162.66	18.57
		For Clear Coated Bright Brass, Add	*9.44*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	174.22	23.85
		For Clear Coated Bright Brass, Add	*11.06*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	133.63	9.99
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	151.13	14.29
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	155.23	15.71
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	180.21	18.57

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	172.16	15.71
		For Clear Coated Bright Brass, Add	*12.68*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	195.71	18.57
		For Clear Coated Bright Brass, Add	*14.07*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	216.98	18.57
		For Clear Coated Bright Brass, Add	*17.05*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into mortised edge of the door and surface applied to the face of the frame.

08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	176.37	15.71
		For Clear Coated Bright Brass, Add	*13.27*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	207.68	18.57
		For Clear Coated Bright Brass, Add	*15.74*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0026 Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	171.28	15.71
		For Clear Coated Bright Brass, Add	*12.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	198.02	23.85
		For Clear Coated Bright Brass, Add	*14.39*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	234.57	23.85
		For Clear Coated Bright Brass, Add	*19.51*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
		For Owner Furnished Material, Deduct	*-139.35*	

08 71 11 00-0030 Mortised, Wrought Steel Hinges *(08 71 11 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 11 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	71.42	9.99
		For Primed For Paint Finish, Deduct	*-3.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.19*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.10*	
		For Stainless Steel, Add	*9.64*	
		For Heavy-Duty, Add	*2.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0033	PR	4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	90.75	14.29
		For Primed For Paint Finish, Deduct	*-3.87*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.42*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.32*	
		For Stainless Steel, Add	*10.64*	
		For Heavy-Duty, Add	*2.90*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034	PR	4-1/2" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	110.13	15.71
		For Primed For Paint Finish, Deduct	*-5.70*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.56*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-3.42*	
		For Stainless Steel, Add	*15.68*	
		For Heavy-Duty, Add	*4.28*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
		For Owner Furnished Material, Deduct	*-28.51*	
08 71 11 00-0035	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	105.18	15.71
		For Primed For Paint Finish, Deduct	*-4.71*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.95*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.83*	
		For Stainless Steel, Add	*12.96*	
		For Heavy-Duty, Add	*3.53*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0036	PR	5" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	158.94	18.57
		For Primed For Paint Finish, Deduct	*-12.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.97*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.65*	
		For Stainless Steel, Add	*35.05*	
		For Heavy-Duty, Add	*9.56*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
		For Owner Furnished Material, Deduct	*-63.72*	
08 71 11 00-0037	PR	5" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	163.11	18.57
		For Primed For Paint Finish, Deduct	*-13.58*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.49*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.15*	
		For Stainless Steel, Add	*37.34*	
		For Heavy-Duty, Add	*10.18*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
		For Owner Furnished Material, Deduct	*-67.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0038	PR	5" x 5", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	163.11	18.57
		For Primed For Paint Finish, Deduct	*-13.58*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.49*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.15*	
		For Stainless Steel, Add	*37.34*	
		For Heavy-Duty, Add	*10.18*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
		For Owner Furnished Material, Deduct	*-67.89*	

08 71 11 00-0039 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0040	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	117.77	9.99
		For Primed For Paint Finish, Deduct	*-12.77*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*7.98*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.66*	
		For Stainless Steel, Add	*35.13*	
		For Heavy-Duty, Add	*9.58*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041	PR	4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	143.74	14.29
		For Primed For Paint Finish, Deduct	*-14.47*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.04*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.68*	
		For Stainless Steel, Add	*39.78*	
		For Heavy-Duty, Add	*10.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0042	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	114.98	15.71
		For Primed For Paint Finish, Deduct	*-6.67*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*4.17*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-4.00*	
		For Stainless Steel, Add	*18.35*	
		For Heavy-Duty, Add	*5.00*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0043	PR	5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	200.96	18.57
		For Primed For Paint Finish, Deduct	*-21.15*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.22*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.69*	
		For Stainless Steel, Add	*58.16*	
		For Heavy-Duty, Add	*15.86*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044	PR	5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	215.88	18.57
		For Primed For Paint Finish, Deduct	*-24.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.08*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-14.48*	
		For Stainless Steel, Add	*66.36*	
		For Heavy-Duty, Add	*18.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045	PR	6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	261.38	18.57
		For Primed For Paint Finish, Deduct	*-33.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.77*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.94*	
		For Stainless Steel, Add	*91.39*	
		For Heavy-Duty, Add	*24.92*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0046 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0047	PR	3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	144.53	9.99
		For Primed For Paint Finish, Deduct	*-18.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*11.33*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.88*	
		For Stainless Steel, Add	*49.85*	
		For Heavy-Duty, Add	*13.59*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0048	PR	4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	174.13	14.29
		For Primed For Paint Finish, Deduct	*-20.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.84*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.33*	
		For Stainless Steel, Add	*56.50*	
		For Heavy-Duty, Add	*15.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	196.42	15.71
		For Primed For Paint Finish, Deduct	*-22.96*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.35*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-13.78*	
		For Stainless Steel, Add	*63.14*	
		For Heavy-Duty, Add	*17.22*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	222.11	18.57
		For Primed For Paint Finish, Deduct	*-25.38*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.86*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.23*	
		For Stainless Steel, Add	*69.79*	
		For Heavy-Duty, Add	*19.03*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0051		**Half Surface, Ball Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0052	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	201.32	15.71
		For Primed For Paint Finish, Deduct	*-25.98*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*16.24*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.59*	
		For Stainless Steel, Add	*71.45*	
		For Heavy-Duty, Add	*19.49*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0053	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	225.37	15.71
		For Primed For Paint Finish, Deduct	*-28.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.97*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-17.25*	
		For Stainless Steel, Add	*79.06*	
		For Heavy-Duty, Add	*21.56*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0054	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	261.38	18.57
		For Primed For Paint Finish, Deduct	*-33.23*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*20.77*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-19.94*	
		For Stainless Steel, Add	*91.39*	
		For Heavy-Duty, Add	*24.92*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0055		**Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0056	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	150.51	15.71
		For Primed For Paint Finish, Deduct	*-13.78*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.61*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-8.27*	
		For Stainless Steel, Add	*37.89*	
		For Heavy-Duty, Add	*10.33*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0057		**Blank Butt Hinges** *(08 71 11 00-0030)*		
08 71 11 00-0058	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	34.30	6.42
		For Primed For Paint Finish, Deduct	*-1.75*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.10*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.05*	
		For Stainless Steel, Add	*4.82*	
		For Heavy-Duty, Add	*1.32*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0059		**Full Mortise, Single Acting Spring, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0060	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	119.70	9.99
		For Primed For Paint Finish, Deduct	*-13.16*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.23*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-7.90*	
		For Stainless Steel, Add	*36.19*	
08 71 11 00-0061	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	157.48	14.29
		For Primed For Paint Finish, Deduct	*-17.21*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.76*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.33*	
		For Stainless Steel, Add	*47.34*	
08 71 11 00-0062	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	208.23	15.71
		For Primed For Paint Finish, Deduct	*-25.32*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.83*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-15.19*	
		For Stainless Steel, Add	*69.64*	
08 71 11 00-0063		**Offset And Pivot Hinges** *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0064		**Offset Swing Clear Hinges** *(08 71 11 00-0063)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0065	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	159.98	4.45
08 71 11 00-0066		**Offset Pivot Hinges** *(08 71 11 00-0063)*		
08 71 11 00-0067		**3/4" Offset Pivot Hinges** *(08 71 11 00-0066)*		
08 71 11 00-0068		**3/4" Offset Pivot Hinges** *(08 71 11 00-0067)*		
08 71 11 00-0069		**Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0068)*		
08 71 11 00-0070		**200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0069)*		
08 71 11 00-0071	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	168.24	14.29
08 71 11 00-0072	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	225.39	14.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0073	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.15	14.29
08 71 11 00-0074	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.15	14.29
08 71 11 00-0075	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.15	14.29
08 71 11 00-0076	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.15	14.29
08 71 11 00-0077	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	257.15	14.29
08 71 11 00-0078	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	184.75	14.29
08 71 11 00-0079	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	234.30	14.29
08 71 11 00-0080	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.30	14.29
08 71 11 00-0081	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.30	14.29
08 71 11 00-0082	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.30	14.29
08 71 11 00-0083	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.30	14.29
08 71 11 00-0084	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	267.30	14.29
08 71 11 00-0085	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	168.24	14.29
08 71 11 00-0086	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	225.39	14.29
08 71 11 00-0087	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.15	14.29
08 71 11 00-0088	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.15	14.29
08 71 11 00-0089	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.15	14.29
08 71 11 00-0090	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.15	14.29
08 71 11 00-0091	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	257.15	14.29
08 71 11 00-0092		500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0069)*		
08 71 11 00-0093	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	175.39	17.86
08 71 11 00-0094	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	232.54	17.86
08 71 11 00-0095	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.30	17.86
08 71 11 00-0096	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.30	17.86
08 71 11 00-0097	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.30	17.86
08 71 11 00-0098	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.30	17.86
08 71 11 00-0099	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	264.30	17.86
08 71 11 00-0100		600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0069)*		
08 71 11 00-0101	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	175.39	17.86
08 71 11 00-0102	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	232.54	17.86
08 71 11 00-0103	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.30	17.86
08 71 11 00-0104	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.30	17.86
08 71 11 00-0105	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.30	17.86
08 71 11 00-0106	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.30	17.86
08 71 11 00-0107	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	264.30	17.86
08 71 11 00-0108		700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0069)*		
08 71 11 00-0109	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	175.39	17.86
08 71 11 00-0110	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	232.54	17.86
08 71 11 00-0111	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.30	17.86
08 71 11 00-0112	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.30	17.86
08 71 11 00-0113	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.30	17.86
08 71 11 00-0114	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.30	17.86
08 71 11 00-0115	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	264.30	17.86
08 71 11 00-0116		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0068)*		
08 71 11 00-0117		200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0116)*		
08 71 11 00-0118	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	208.88	14.29
08 71 11 00-0119	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	257.15	14.29
08 71 11 00-0120	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.43	14.29
08 71 11 00-0121	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.43	14.29
08 71 11 00-0122	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.43	14.29
08 71 11 00-0123	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.43	14.29
08 71 11 00-0124	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	291.43	14.29
08 71 11 00-0125		500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0116)*		
08 71 11 00-0126	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	232.54	17.86
08 71 11 00-0127	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	247.78	17.86
08 71 11 00-0128	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.45	17.86
08 71 11 00-0129	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.45	17.86
08 71 11 00-0130	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.45	17.86
08 71 11 00-0131	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.45	17.86
08 71 11 00-0132	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	274.45	17.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0133		600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0116)*		
08 71 11 00-0134	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	232.54	17.86
08 71 11 00-0135	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	247.78	17.86
08 71 11 00-0136	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.45	17.86
08 71 11 00-0137	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.45	17.86
08 71 11 00-0138	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.45	17.86
08 71 11 00-0139	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.45	17.86
08 71 11 00-0140	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	274.45	17.86
08 71 11 00-0141		700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0116)*		
08 71 11 00-0142	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	232.54	17.86
08 71 11 00-0143	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	247.78	17.86
08 71 11 00-0144	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.45	17.86
08 71 11 00-0145	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.45	17.86
08 71 11 00-0146	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.45	17.86
08 71 11 00-0147	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.45	17.86
08 71 11 00-0148	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	274.45	17.86
08 71 11 00-0149		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0068)*		
08 71 11 00-0150		200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0149)*		
08 71 11 00-0151	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	184.75	14.29
08 71 11 00-0152	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	234.30	14.29
08 71 11 00-0153	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.30	14.29
08 71 11 00-0154	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.30	14.29
08 71 11 00-0155	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.30	14.29
08 71 11 00-0156	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	332.15	14.29
08 71 11 00-0157	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	267.30	14.29
08 71 11 00-0158	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	184.75	14.29
08 71 11 00-0159	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	234.30	14.29
08 71 11 00-0160	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.30	14.29
08 71 11 00-0161	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.30	14.29
08 71 11 00-0162	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.30	14.29
08 71 11 00-0163	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.30	14.29
08 71 11 00-0164	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	267.30	14.29
08 71 11 00-0165	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	160.63	14.29
08 71 11 00-0166	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	217.78	14.29
08 71 11 00-0167	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.79	14.29
08 71 11 00-0168	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.79	14.29
08 71 11 00-0169	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.79	14.29
08 71 11 00-0170	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.79	14.29
08 71 11 00-0171	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	250.79	14.29
08 71 11 00-0172		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0149)*		
08 71 11 00-0173	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	280.81	17.86
08 71 11 00-0174	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.58	17.86
08 71 11 00-0175	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.58	17.86
08 71 11 00-0176	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.58	17.86
08 71 11 00-0177	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.58	17.86
08 71 11 00-0178	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	298.58	17.86
08 71 11 00-0179	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	303.66	17.86
08 71 11 00-0180		600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0149)*		
08 71 11 00-0181	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	241.45	17.86
08 71 11 00-0182	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	264.30	17.86
08 71 11 00-0183	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.81	17.86
08 71 11 00-0184	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.81	17.86
08 71 11 00-0185	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.81	17.86
08 71 11 00-0186	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.81	17.86
08 71 11 00-0187	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	280.81	17.86
08 71 11 00-0188		700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0149)*		
08 71 11 00-0189	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	551.28	17.86
08 71 11 00-0190	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	591.92	17.86
08 71 11 00-0191	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.71	17.86
08 71 11 00-0192	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.71	17.86
08 71 11 00-0193	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.71	17.86
08 71 11 00-0194	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.71	17.86
08 71 11 00-0195	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	656.71	17.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0196		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0067)*		
08 71 11 00-0197		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0196)*		
08 71 11 00-0198		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0197)*		
08 71 11 00-0199	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	329.08	17.86
08 71 11 00-0200	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	388.73	17.86
08 71 11 00-0201	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	437.00	17.86
08 71 11 00-0202	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	437.00	17.86
08 71 11 00-0203	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	437.00	17.86
08 71 11 00-0204		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0197)*		
08 71 11 00-0205	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	329.08	17.86
08 71 11 00-0206	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	388.73	17.86
08 71 11 00-0207	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	437.00	17.86
08 71 11 00-0208	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	437.00	17.86
08 71 11 00-0209	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	437.00	17.86
08 71 11 00-0210		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0197)*		
08 71 11 00-0211	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	329.08	17.86
08 71 11 00-0212	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	388.73	17.86
08 71 11 00-0213	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	437.00	17.86
08 71 11 00-0214	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	437.00	17.86
08 71 11 00-0215	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	437.00	17.86
08 71 11 00-0216		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0197)*		
08 71 11 00-0217	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	346.35	21.43
08 71 11 00-0218	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	395.87	21.43
08 71 11 00-0219	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	418.75	21.43
08 71 11 00-0220	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	418.75	21.43
08 71 11 00-0221	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	418.75	21.43
08 71 11 00-0222		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0197)*		
08 71 11 00-0223	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	346.35	21.43
08 71 11 00-0224	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	395.87	21.43
08 71 11 00-0225	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	418.75	21.43
08 71 11 00-0226	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	418.75	21.43
08 71 11 00-0227	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	418.75	21.43
08 71 11 00-0228		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0196)*		
08 71 11 00-0229		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0228)*		
08 71 11 00-0230	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	339.21	17.86
08 71 11 00-0231	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	395.09	17.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0232	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	411.61	17.86
08 71 11 00-0233	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	411.61	17.86
08 71 11 00-0234	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	411.61	17.86
08 71 11 00-0235		600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0228)*		
08 71 11 00-0236	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	339.21	17.86
08 71 11 00-0237	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	395.09	17.86
08 71 11 00-0238	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	411.61	17.86
08 71 11 00-0239	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	411.61	17.86
08 71 11 00-0240	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	411.61	17.86
08 71 11 00-0241		700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0228)*		
08 71 11 00-0242	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	339.21	17.86
08 71 11 00-0243	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	395.09	17.86
08 71 11 00-0244	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	411.61	17.86
08 71 11 00-0245	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	411.61	17.86
08 71 11 00-0246	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	411.61	17.86
08 71 11 00-0247		1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0228)*		
08 71 11 00-0248	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	379.38	21.43
08 71 11 00-0249	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	436.51	21.43
08 71 11 00-0250	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	451.75	21.43
08 71 11 00-0251	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	451.75	21.43
08 71 11 00-0252	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	451.75	21.43
08 71 11 00-0253		1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0228)*		
08 71 11 00-0254	EA	Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	379.38	21.43
08 71 11 00-0255	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	436.51	21.43
08 71 11 00-0256	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	451.75	21.43
08 71 11 00-0257	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	451.75	21.43
08 71 11 00-0258	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	451.75	21.43
08 71 11 00-0259		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0196)*		
08 71 11 00-0260		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0259)*		
08 71 11 00-0261	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	378.60	17.86
08 71 11 00-0262	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	468.76	17.86
08 71 11 00-0263	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	503.04	17.86
08 71 11 00-0264	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	503.04	17.86
08 71 11 00-0265	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	503.04	17.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0266		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0259)*		
08 71 11 00-0267	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	372.24	17.86
08 71 11 00-0268	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	395.09	17.86
08 71 11 00-0269	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	453.52	17.86
08 71 11 00-0270	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	453.52	17.86
08 71 11 00-0271	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	453.52	17.86
08 71 11 00-0272		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0259)*		
08 71 11 00-0273	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	427.63	21.43
08 71 11 00-0274	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	475.90	21.43
08 71 11 00-0275	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	493.66	21.43
08 71 11 00-0276	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	493.66	21.43
08 71 11 00-0277	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	493.66	21.43
08 71 11 00-0278		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0259)*		
08 71 11 00-0279	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	606.69	21.43
08 71 11 00-0280	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	647.33	21.43
08 71 11 00-0281	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	663.85	21.43
08 71 11 00-0282	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	663.85	21.43
08 71 11 00-0283	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	663.85	21.43
08 71 11 00-0284		1-1/2" Offset Pivot Hinges *(08 71 11 00-0066)*		
08 71 11 00-0285		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0284)*		
08 71 11 00-0286		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0285)*		
08 71 11 00-0287		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0286)*		
08 71 11 00-0288	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	388.73	17.86
08 71 11 00-0289	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	420.49	17.86
08 71 11 00-0290	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	444.61	17.86
08 71 11 00-0291	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	444.61	17.86
08 71 11 00-0292	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	444.61	17.86
08 71 11 00-0293		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0286)*		
08 71 11 00-0294	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	388.73	17.86
08 71 11 00-0295	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	420.49	17.86
08 71 11 00-0296	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	444.61	17.86
08 71 11 00-0297	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	444.61	17.86
08 71 11 00-0298	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	444.61	17.86
08 71 11 00-0299		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0285)*		
08 71 11 00-0300		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0299)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0301	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	403.97	17.86
08 71 11 00-0302	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	453.52	17.86
08 71 11 00-0303	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	477.64	17.86
08 71 11 00-0304	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	477.64	17.86
08 71 11 00-0305	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	477.64	17.86
08 71 11 00-0306		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0299)*		
08 71 11 00-0307	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	403.97	17.86
08 71 11 00-0308	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	453.52	17.86
08 71 11 00-0309	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	477.64	17.86
08 71 11 00-0310	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	477.64	17.86
08 71 11 00-0311	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	477.64	17.86
08 71 11 00-0312		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0285)*		
08 71 11 00-0313		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0312)*		
08 71 11 00-0314	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	395.09	17.86
08 71 11 00-0315	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	453.52	17.86
08 71 11 00-0316	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	477.64	17.86
08 71 11 00-0317	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	477.64	17.86
08 71 11 00-0318	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	477.64	17.86
08 71 11 00-0319		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0312)*		
08 71 11 00-0320	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	640.19	17.86
08 71 11 00-0321	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	706.23	17.86
08 71 11 00-0322	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	722.74	17.86
08 71 11 00-0323	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	722.74	17.86
08 71 11 00-0324	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	722.74	17.86
08 71 11 00-0325		Center Hung Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0326		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0325)*		
08 71 11 00-0327		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0326)*		
08 71 11 00-0328	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	201.27	14.29
08 71 11 00-0329	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.78	14.29
08 71 11 00-0330	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.78	14.29
08 71 11 00-0331	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.78	14.29
08 71 11 00-0332	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.78	14.29
08 71 11 00-0333	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.78	14.29
08 71 11 00-0334	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	217.78	14.29
08 71 11 00-0335		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0326)*		
08 71 11 00-0336	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	208.42	17.86
08 71 11 00-0337	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	224.93	17.86
08 71 11 00-0338	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	224.93	17.86
08 71 11 00-0339	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	224.93	17.86
08 71 11 00-0340	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	224.93	17.86
08 71 11 00-0341	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	224.93	17.86
08 71 11 00-0342	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	224.93	17.86
08 71 11 00-0343		600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0326)*		
08 71 11 00-0344	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	208.42	17.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0345	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	224.93	17.86
08 71 11 00-0346	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	224.93	17.86
08 71 11 00-0347	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	224.93	17.86
08 71 11 00-0348	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	224.93	17.86
08 71 11 00-0349	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	224.93	17.86
08 71 11 00-0350	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	224.93	17.86
08 71 11 00-0351		1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0326)*		
08 71 11 00-0352	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	329.84	21.43
08 71 11 00-0353	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	385.74	21.43
08 71 11 00-0354	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.14	21.43
08 71 11 00-0355	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.14	21.43
08 71 11 00-0356	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.14	21.43
08 71 11 00-0357	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.14	21.43
08 71 11 00-0358	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	444.14	21.43
08 71 11 00-0359		Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0325)*		
08 71 11 00-0360		300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0359)*		
08 71 11 00-0361	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	153.00	14.29
08 71 11 00-0362	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	177.15	14.29
08 71 11 00-0363	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.27	14.29
08 71 11 00-0364	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.27	14.29
08 71 11 00-0365	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.27	14.29
08 71 11 00-0366	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.27	14.29
08 71 11 00-0367	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	201.27	14.29
08 71 11 00-0368		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0359)*		
08 71 11 00-0369	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	224.93	17.86
08 71 11 00-0370	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.54	17.86
08 71 11 00-0371	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.54	17.86
08 71 11 00-0372	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.54	17.86
08 71 11 00-0373	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.54	17.86
08 71 11 00-0374	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.54	17.86
08 71 11 00-0375	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	232.54	17.86
08 71 11 00-0376	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	224.93	17.86
08 71 11 00-0377	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.54	17.86
08 71 11 00-0378	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.54	17.86
08 71 11 00-0379	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.54	17.86
08 71 11 00-0380	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.54	17.86
08 71 11 00-0381	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.54	17.86
08 71 11 00-0382	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	232.54	17.86
08 71 11 00-0383		600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0359)*		
08 71 11 00-0384	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	453.52	17.86
08 71 11 00-0385	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	477.64	17.86
08 71 11 00-0386	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.04	17.86
08 71 11 00-0387	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.04	17.86
08 71 11 00-0388	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.04	17.86
08 71 11 00-0389	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.04	17.86
08 71 11 00-0390	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	503.04	17.86
08 71 11 00-0391		1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges *(08 71 11 00-0359)*		
08 71 11 00-0392	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	835.28	21.43
08 71 11 00-0393	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	859.40	21.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0394	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.43	21.43
08 71 11 00-0395	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.43	21.43
08 71 11 00-0396	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.43	21.43
08 71 11 00-0397	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.43	21.43
08 71 11 00-0398	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	892.43	21.43

08 71 11 00-0399 Continuous Barrel-Type Hinge *(08 71 11 00-0001)*

08 71 11 00-0400	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	32.36	5.71
		For Stainless Steel, Add	*5.23*	
		For Brass Or Nickel, Add	*5.71*	
		For Aluminum, Add	*1.86*	
		For Medium Gauge, Deduct	*-1.90*	
08 71 11 00-0401	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	32.99	5.71
		For Stainless Steel, Add	*5.58*	
		For Brass Or Nickel, Add	*6.08*	
		For Aluminum, Add	*1.99*	
		For Medium Gauge, Deduct	*-2.03*	
08 71 11 00-0402	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	34.26	5.71
		For Stainless Steel, Add	*6.28*	
		For Brass Or Nickel, Add	*6.85*	
		For Aluminum, Add	*2.24*	
		For Medium Gauge, Deduct	*-2.28*	
08 71 11 00-0403	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	35.69	5.71
		For Stainless Steel, Add	*7.06*	
		For Brass Or Nickel, Add	*7.70*	
		For Aluminum, Add	*2.52*	
		For Medium Gauge, Deduct	*-2.57*	

08 71 11 00-0404 Continuous Geared Hinges *(08 71 11 00-0001)*

08 71 11 00-0405	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	68.04	5.71
		For Bronze Finish, Add	*16.95*	
		For Heavy-Duty, Add	*12.07*	
08 71 11 00-0406	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	73.33	5.71
		For Bronze Finish, Add	*18.93*	
		For Heavy-Duty, Add	*13.49*	
08 71 11 00-0407	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	46.85	5.71
		For Bronze Finish, Add	*9.00*	
08 71 11 00-0408	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	54.50	5.71
		For Bronze Finish, Add	*11.87*	

08 71 11 00-0409 Mortised, Primed Steel, Double Acting Spring Hinges *(08 71 11 00-0001)*

08 71 11 00-0410	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	188.41	9.99
		For Satin Brass, Add	*33.22*	
08 71 11 00-0411	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	202.76	12.86
		For Satin Brass, Add	*33.24*	
08 71 11 00-0412	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	224.60	15.71
		For Satin Brass, Add	*35.05*	
08 71 11 00-0413	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	294.88	18.57
		For Satin Brass, Add	*48.49*	
08 71 11 00-0414	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	329.65	21.43
		For Satin Brass, Add	*53.40*	
08 71 11 00-0415	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	397.05	24.28
		For Satin Brass, Add	*66.15*	
08 71 11 00-0416	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	541.10	67.85
		For Satin Brass, Add	*97.30*	

08 71 11 00-0417 Security Hinges *(08 71 11 00-0001)*

08 71 11 00-0418	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	48.77	9.99

08 71 11 00-0419 Concealed Circuit Electric Hinge Option *(08 71 11 00-0001)*

Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.

08 71 11 00-0420	EA	4 Wire Concealed Circuit Electric Hinge Option	323.81	
08 71 11 00-0421	EA	6 Wire Concealed Circuit Electric Hinge Option	382.31	
08 71 11 00-0422	EA	8 Wire Concealed Circuit Electric Hinge Option	440.81	

08 71 11 00-0423 Hinge Filler Plates For Door Frames *(08 71 11 00-0001)*

08 71 11 00-0424	PR	Hinge Filler Plates For Door Frames	24.89	7.14

08 71 11 00-0425 Door Trim *(08 71 11)*

08 71 11 00-0426 Floor Stops, Wall Stops And Bumpers *(08 71 11 00-0425)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0427		**Floor Stops** *(08 71 11 00-0426)*		
08 71 11 00-0428		**Aluminum Floor Stops** *(08 71 11 00-0427)*		
08 71 11 00-0429	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	39.81	17.86
08 71 11 00-0430	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	43.89	17.86
08 71 11 00-0431	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	45.45	17.86
08 71 11 00-0432	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	69.12	17.86
08 71 11 00-0433	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	71.95	17.86
08 71 11 00-0434		**Brass Floor Stops** *(08 71 11 00-0427)*		
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	44.46	17.86
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	46.02	17.86
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	46.02	17.86
08 71 11 00-0438	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	46.62	17.86
08 71 11 00-0439	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	47.42	17.86
08 71 11 00-0440	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	47.42	17.86
08 71 11 00-0441	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	47.42	17.86
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	45.45	17.86
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	47.80	17.86
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	47.80	17.86
08 71 11 00-0445	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	48.72	17.86
08 71 11 00-0446	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	49.52	17.86
08 71 11 00-0447	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	49.52	17.86
08 71 11 00-0448	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	53.24	17.86
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	47.96	17.86
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	47.96	17.86
08 71 11 00-0451	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	50.54	17.86
08 71 11 00-0452	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	50.54	17.86
08 71 11 00-0453	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	50.54	17.86
08 71 11 00-0454	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	50.54	17.86
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	49.74	17.86
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	49.74	17.86
08 71 11 00-0457	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	52.26	17.86
08 71 11 00-0458	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	52.26	17.86
08 71 11 00-0459	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	52.26	17.86
08 71 11 00-0460	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	52.26	17.86
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	71.41	17.86
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	72.52	17.86
08 71 11 00-0463	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	75.23	17.86
08 71 11 00-0464	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	77.42	17.86
08 71 11 00-0465	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	77.42	17.86
08 71 11 00-0466	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	86.37	17.86
08 71 11 00-0467	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	86.37	17.86
08 71 11 00-0468	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	83.06	17.86
08 71 11 00-0469	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	84.65	17.86
08 71 11 00-0470	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	84.65	17.86
08 71 11 00-0471	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	84.65	17.86
08 71 11 00-0472	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	84.65	17.86
08 71 11 00-0473	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	96.90	17.86
08 71 11 00-0474	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	96.90	17.86
08 71 11 00-0475	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	58.08	17.86
08 71 11 00-0476	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	60.12	17.86
08 71 11 00-0477	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	64.73	17.86
08 71 11 00-0478	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	64.73	17.86
08 71 11 00-0479	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	64.73	17.86
08 71 11 00-0480	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	66.10	17.86
08 71 11 00-0481	EA	2-1/4" Overall Height, Polished Or Satin Finish, Brass Floor Stop (Rockwood 481H)	87.86	17.86
08 71 11 00-0482		**Steel Floor Stops** *(08 71 11 00-0427)* See CSI section 05 05 19 00-0196 for grout.		
08 71 11 00-0483	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	50.12	17.86
08 71 11 00-0484	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	125.92	17.86
08 71 11 00-0485	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	132.38	17.86
08 71 11 00-0486		**Wall Stops** *(08 71 11 00-0426)*		
08 71 11 00-0487		**Aluminum Wall Stops** *(08 71 11 00-0486)*		
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	19.92	7.14
08 71 11 00-0489	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	29.07	10.71
08 71 11 00-0490		**Brass Wall Stops** *(08 71 11 00-0486)*		
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	33.79	7.14
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	33.79	7.14
08 71 11 00-0493	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	33.79	7.14
08 71 11 00-0494	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	39.84	7.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0495	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	40.41	7.14
08 71 11 00-0496	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	40.41	7.14
08 71 11 00-0497	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	40.41	7.14
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	93.53	10.71
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	95.66	10.71
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	95.66	10.71
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	95.66	10.71
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	95.66	10.71
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	95.66	10.71
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	78.51	10.71
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	90.03	10.71
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	90.03	10.71
08 71 11 00-0507	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	90.03	10.71
08 71 11 00-0508	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	90.03	10.71
08 71 11 00-0509	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	92.77	10.71
08 71 11 00-0510	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	92.77	10.71
08 71 11 00-0511	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	149.66	10.71
08 71 11 00-0512		Steel Wall Stops *(08 71 11 00-0486)*		
08 71 11 00-0513	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	15.47	7.14
08 71 11 00-0514		Hinge Pin Door Stops *(08 71 11 00-0426)*		
08 71 11 00-0515		Aluminum Hinge Pin Door Stops *(08 71 11 00-0514)*		
08 71 11 00-0516	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	32.06	14.29
08 71 11 00-0517		Brass Hinge Pin Door Stops *(08 71 11 00-0514)*		
08 71 11 00-0518	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	32.73	14.29
08 71 11 00-0519	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	36.93	14.29
08 71 11 00-0520	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	14.29
08 71 11 00-0521	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	14.29
08 71 11 00-0522	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	47.05	14.29
08 71 11 00-0523	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	51.79	14.29
08 71 11 00-0524	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	51.79	14.29
08 71 11 00-0525	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	51.79	14.29
08 71 11 00-0526	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	51.79	14.29
08 71 11 00-0527		Wall Bumpers *(08 71 11 00-0426)*		
08 71 11 00-0528		Brass Wall Bumpers *(08 71 11 00-0527)*		
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.33	17.86
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.33	17.86
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.33	17.86
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.90	17.86
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.90	17.86
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.90	17.86
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	42.90	17.86
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	62.37	17.86
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.66	17.86
08 71 11 00-0538	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.66	17.86
08 71 11 00-0539	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.66	17.86
08 71 11 00-0540	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.66	17.86
08 71 11 00-0541	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	67.66	17.86
08 71 11 00-0542	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	68.83	17.86
08 71 11 00-0543		Rubber Wall Bumpers *(08 71 11 00-0527)*		
08 71 11 00-0544	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	40.23	17.86
08 71 11 00-0545		Holders *(08 71 11 00-0425)*		
08 71 11 00-0546		Plunger Type Door Holders *(08 71 11 00-0545)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0547		**Aluminum Plunger Type Door Holders** *(08 71 11 00-0546)*		
08 71 11 00-0548	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	98.78	10.71
08 71 11 00-0549		**Brass Plunger Type Door Holders** *(08 71 11 00-0546)*		
08 71 11 00-0550	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0551	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0552	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0553	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0554	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0555	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0556	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	160.96	10.71
08 71 11 00-0557		**Kick Down Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0558		**Aluminum Kick Down Door Holders** *(08 71 11 00-0557)*		
08 71 11 00-0559	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	34.06	10.71
08 71 11 00-0560		**Brass Kick Down Door Holders** *(08 71 11 00-0557)*		
08 71 11 00-0561	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	72.72	10.71
08 71 11 00-0562	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	72.72	10.71
08 71 11 00-0563	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	72.72	10.71
08 71 11 00-0564	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	82.81	10.71
08 71 11 00-0565	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	82.81	10.71
08 71 11 00-0566	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	82.81	10.71
08 71 11 00-0567	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	85.35	10.71
08 71 11 00-0568		**Steel Kick Down Door Holders** *(08 71 11 00-0557)*		
08 71 11 00-0569	EA	Steel Kick Down Door Holder (Ives FS544)	41.86	10.71
08 71 11 00-0570		**Floor Mounted Door Holders** *(08 71 11 00-0545)*		
08 71 11 00-0571		**Brass Floor Mounted Door Holders** *(08 71 11 00-0570)*		
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	142.41	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	142.41	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0574	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	175.92	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0575	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	175.92	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0576	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	175.92	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0577	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	175.92	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0578	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491) Note: Includes FH MS / plastic anchors.	136.75	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0579	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491R) Note: Includes FH MS / lead anchors.	141.62	21.43
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0580	EA	Up To 1/2" Door To Floor Clearance, Polished Or Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Rockwood 491S)	149.70	21.43
		Note: Includes FH MS / lead anchors and bolts.		
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0581		Wall Mounted Door Holders *(08 71 11 00-0545)*		
08 71 11 00-0582		Aluminum Wall Mounted Door Holders *(08 71 11 00-0581)*		
08 71 11 00-0583	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	125.73	12.50
08 71 11 00-0584	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	184.73	21.43
08 71 11 00-0585		Brass Wall Mounted Door Holders *(08 71 11 00-0581)*		
08 71 11 00-0586	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	115.58	12.50
08 71 11 00-0587	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.75	12.50
08 71 11 00-0588	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.75	12.50
08 71 11 00-0589	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.75	12.50
08 71 11 00-0590	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.75	12.50
08 71 11 00-0591	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	133.75	12.50
08 71 11 00-0592	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	138.01	12.50
08 71 11 00-0593	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	130.79	12.50
08 71 11 00-0594	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.58	12.50
08 71 11 00-0595	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.58	12.50
08 71 11 00-0596	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.58	12.50
08 71 11 00-0597	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.58	12.50
08 71 11 00-0598	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	155.58	12.50
08 71 11 00-0599	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	209.45	21.43
08 71 11 00-0600	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	220.59	21.43
08 71 11 00-0601	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	220.59	21.43
08 71 11 00-0602	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	220.59	21.43
08 71 11 00-0603	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	220.59	21.43
08 71 11 00-0604	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	220.59	21.43
08 71 11 00-0605	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494)	124.46	12.50
08 71 11 00-0606	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494R)	129.32	12.50
		Note: Includes FH MS / lead anchors.		
08 71 11 00-0607	EA	3-1/4" Projection, Rigid Type, Polished Or Satin Finish, Brass Wall Stop And Manual Door Holder (Rockwell 494S)	137.41	12.50
		Note: Includes FH MS / lead anchors and bolts.		
08 71 11 00-0608		Overhead Door Holders *(08 71 11 00-0545)*		
08 71 11 00-0609		Surface Mounted, Overhead Door Holders *(08 71 11 00-0608)*		
08 71 11 00-0610	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	650.67	35.71
		For Hold Open, Add	*73.28*	
08 71 11 00-0611	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	744.22	35.71
		For Hold Open, Add	*86.78*	
08 71 11 00-0612	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	744.22	35.71
		For Hold Open, Add	*86.78*	
08 71 11 00-0613	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	744.22	35.71
		For Hold Open, Add	*86.78*	
08 71 11 00-0614	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	741.04	35.71
		For Hold Open, Add	*86.32*	
08 71 11 00-0615		Heavy-Duty, Surface Mounted, Overhead Door Holders *(08 71 11 00-0608)*		
		Note: With or without hold open feature.		
08 71 11 00-0616	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	509.39	35.71
08 71 11 00-0617	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	732.76	35.71
08 71 11 00-0618	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	830.13	35.71
08 71 11 00-0619	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	830.13	35.71
08 71 11 00-0620	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	830.13	35.71
08 71 11 00-0621		Concealed Mounted, Overhead Door Holders *(08 71 11 00-0608)*		
		Note: With or without hold open feature.		
08 71 11 00-0622	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	709.22	35.71
08 71 11 00-0623	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	709.22	35.71
08 71 11 00-0624	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	747.40	35.71
08 71 11 00-0625	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	779.86	35.71
08 71 11 00-0626	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	779.86	35.71
08 71 11 00-0627		Silencers *(08 71 11 00-0425)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0628	EA	Replacement Of Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	2.12	
08 71 11 00-0629		**Bolts** *(08 71 11 00-0425)*		
08 71 11 00-0630		**Brass Surface Bolts** *(08 71 11 00-0629)*		
08 71 11 00-0631	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	212.11	17.86
08 71 11 00-0632	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	226.81	17.86
08 71 11 00-0633	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	226.81	17.86
08 71 11 00-0634		**Steel Surface Bolts** *(08 71 11 00-0629)*		
08 71 11 00-0635	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	98.20	17.86
08 71 11 00-0636	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	98.20	17.86
08 71 11 00-0637	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	98.20	17.86
08 71 11 00-0638	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	111.06	17.86
08 71 11 00-0639	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	112.90	17.86
08 71 11 00-0640	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	116.56	17.86
08 71 11 00-0641	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	114.72	17.86
08 71 11 00-0642	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	120.25	17.86
08 71 11 00-0643	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	127.60	17.86
08 71 11 00-0644	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	133.11	17.86
08 71 11 00-0645	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	206.61	17.86
08 71 11 00-0646		**Door Viewer** *(08 71 11 00-0425)*		
08 71 11 00-0647		**Brass Door Viewer** *(08 71 11 00-0646)*		
08 71 11 00-0648	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	53.24	17.86
08 71 11 00-0649	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	53.24	17.86
08 71 11 00-0650	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	53.24	17.86
08 71 11 00-0651	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	61.45	17.86
08 71 11 00-0652	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	61.45	17.86
08 71 11 00-0653	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	61.45	17.86
08 71 11 00-0654	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	71.57	17.86
08 71 11 00-0655	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	71.57	17.86
08 71 11 00-0656		**Door Knockers** *(08 71 11 00-0425)*		
08 71 11 00-0657		**Brass Door Knockers** *(08 71 11 00-0656)*		
08 71 11 00-0658	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	78.57	17.86
08 71 11 00-0659	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	86.37	17.86
08 71 11 00-0660	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	86.37	17.86
08 71 11 00-0661	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	86.37	17.86
08 71 11 00-0662	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	115.96	17.86
08 71 11 00-0663	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	134.76	17.86
08 71 11 00-0664		**Hasps** *(08 71 11 00-0425)*		
08 71 11 00-0665	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	37.58	13.47
08 71 11 00-0666	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	40.05	14.29
08 71 11 00-0667	EA	6", Zinc Plated Finish, Steel Hasp Assembly	50.78	16.07
08 71 11 00-0668	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	200.21	19.28
08 71 11 00-0669		**Flush Bolts** *(08 71 11 00-0425)*		
08 71 11 00-0670		**Flush Bolts For Metal Doors** *(08 71 11 00-0669)*		
08 71 11 00-0671		**Brass Flush Bolts For Metal Doors** *(08 71 11 00-0670)*		
08 71 11 00-0672		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0671)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0673	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	76.15	17.86
08 71 11 00-0674		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0671)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0675	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	153.01	17.86
08 71 11 00-0676	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	153.01	17.86
08 71 11 00-0677	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	265.52	28.56
08 71 11 00-0678	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	272.26	24.99
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	283.19	26.78
08 71 11 00-0680		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0671)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0681	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	180.71	17.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0682	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	334.98	28.56
08 71 11 00-0683	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	327.83	24.99
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	340.60	26.78
08 71 11 00-0685		Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0670)*		
08 71 11 00-0686		Automatic, Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0685)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0687	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	153.01	17.86
08 71 11 00-0688	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	153.01	17.86
08 71 11 00-0689	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	265.52	28.56
08 71 11 00-0690	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	272.26	24.99
08 71 11 00-0691	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	283.19	26.78
08 71 11 00-0692		Constant Latching, Stainless Steel Flush Bolts For Metal Doors *(08 71 11 00-0685)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0693	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	180.71	17.86
08 71 11 00-0694	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	334.98	28.56
08 71 11 00-0695	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	327.83	24.99
08 71 11 00-0696	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	340.60	26.78
08 71 11 00-0697		Flush Bolts For Wood Doors *(08 71 11 00-0669)*		
08 71 11 00-0698		Brass Flush Bolts For Wood Doors *(08 71 11 00-0697)*		
08 71 11 00-0699		Manual, Brass Flush Bolts For Wood Doors *(08 71 11 00-0698)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0700	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	89.90	17.86
08 71 11 00-0701		Automatic, Brass Flush Bolts For Wood Doors *(08 71 11 00-0698)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0702	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	189.49	17.86
08 71 11 00-0703	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	189.49	17.86
08 71 11 00-0704	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	350.42	28.56
08 71 11 00-0705	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	343.27	24.99
08 71 11 00-0706		Constant Latching, Brass Flush Bolts For Wood Doors *(08 71 11 00-0698)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0707	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	188.06	17.86
08 71 11 00-0708	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	350.42	28.56
08 71 11 00-0709	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	343.27	24.99
08 71 11 00-0710		Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0697)*		
08 71 11 00-0711		Automatic, Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0710)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0712	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	189.49	17.86
08 71 11 00-0713	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	189.49	17.86
08 71 11 00-0714	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	350.42	28.56
08 71 11 00-0715	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	343.27	24.99
08 71 11 00-0716		Constant Latching, Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0710)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0717	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	188.06	17.86
08 71 11 00-0718	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	350.42	28.56
08 71 11 00-0719	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	343.27	24.99
08 71 11 00-0720		Dust Proof Strikes *(08 71 11 00-0669)*		
08 71 11 00-0721	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	67.89	14.29
08 71 11 00-0722	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	67.89	14.29
08 71 11 00-0723	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	67.89	14.29
08 71 11 00-0724	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	67.89	14.29
08 71 11 00-0725	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	67.89	14.29
08 71 11 00-0726	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.17	14.29
08 71 11 00-0727	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.17	14.29
08 71 11 00-0728	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.17	14.29
08 71 11 00-0729	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.17	14.29
08 71 11 00-0730	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	78.17	14.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0731		**Roller Bumpers** *(08 71 11 00-0425)*		
08 71 11 00-0732		**Brass Roller Bumpers** *(08 71 11 00-0731)*		
08 71 11 00-0733	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	70.75	10.71
08 71 11 00-0734	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	83.03	10.71
08 71 11 00-0735	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	83.03	10.71
08 71 11 00-0736	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	67.98	10.71
08 71 11 00-0737	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	77.34	10.71
08 71 11 00-0738	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	77.34	10.71
08 71 11 00-0739	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	77.34	10.71
08 71 11 00-0740	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	70.94	10.71
08 71 11 00-0741	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	77.56	10.71
08 71 11 00-0742	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.68	10.71
08 71 11 00-0743	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.68	10.71
08 71 11 00-0744	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.68	10.71
08 71 11 00-0745	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.68	10.71
08 71 11 00-0746	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	80.68	10.71
08 71 11 00-0747		**Other Door Trim** *(08 71 11 00-0425)*		
08 71 11 00-0748		**Coat And Hat Hooks** *(08 71 11 00-0747)*		
08 71 11 00-0749		**Aluminum Coat And Hat Hooks** *(08 71 11 00-0748)*		
08 71 11 00-0750	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	24.83	10.71
08 71 11 00-0751	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	24.83	10.71
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	25.06	10.71
08 71 11 00-0753	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	24.67	10.71
08 71 11 00-0754	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	24.67	10.71
08 71 11 00-0755	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	24.67	10.71
08 71 11 00-0756	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	25.06	10.71
08 71 11 00-0757	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	26.20	10.71
08 71 11 00-0758	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	26.20	10.71
08 71 11 00-0759	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	26.20	10.71
08 71 11 00-0760	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	26.20	10.71
08 71 11 00-0761	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	26.20	10.71
08 71 11 00-0762		**Brass Coat And Hat Hooks** *(08 71 11 00-0748)*		
08 71 11 00-0763	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	31.07	10.71
08 71 11 00-0764	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	31.67	10.71
08 71 11 00-0765	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	32.63	10.71
08 71 11 00-0766	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	32.63	10.71
08 71 11 00-0767	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	33.23	10.71
08 71 11 00-0768	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	35.17	10.71
08 71 11 00-0769	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	37.91	10.71
08 71 11 00-0770	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	37.91	10.71
08 71 11 00-0771	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	37.91	10.71
08 71 11 00-0772	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	38.52	10.71
08 71 11 00-0773		**Cane Bolt** *(08 71 11 00-0747)*		
08 71 11 00-0774	EA	18" Cane Bolt With Padlock Eyes Welded To Bolt, Manual, Steel Bolt For Doors (Stanley 1009)	41.64	14.29
08 71 11 00-0775		**Ball Catches** *(08 71 11 00-0747)*		
08 71 11 00-0776	EA	Satin Brass Finish, Brass Adjustable Ball Catch (Ives 347)	46.35	14.29
		For Owner Furnished Material, Deduct	*-17.79*	
08 71 11 00-0777	EA	Bright Brass Finish, Brass Adjustable Ball Catch (Ives 347)	46.35	14.29
		For Owner Furnished Material, Deduct	*-17.79*	
08 71 11 00-0778	EA	Satin Nickel Finish, Brass Adjustable Ball Catch (Ives 347)	48.19	14.29
		For Owner Furnished Material, Deduct	*-19.63*	
08 71 11 00-0779	EA	Satin Chrome Finish, Brass Adjustable Ball Catch (Ives 347)	49.15	14.29
		For Owner Furnished Material, Deduct	*-20.59*	
08 71 11 00-0780	EA	Satin Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	49.15	14.29
		For Owner Furnished Material, Deduct	*-20.59*	
08 71 11 00-0781	EA	Dark Bronze Finish, Brass Adjustable Ball Catch (Ives 347)	49.15	14.29
		For Owner Furnished Material, Deduct	*-20.59*	
08 71 11 00-0782		**Other Door Trim** *(08 71 11 00-0747)*		
08 71 11 00-0783	EA	Adapter Kit For Installation Of Cipher Locks On Metal Doors	77.12	17.86
		For Owner Furnished Material, Deduct	*-41.41*	
08 71 11 00-0784	EA	Push Or Pull Exit Paddle For Storefront Aluminum Door Note: Aluminum with dark bronze or satin aluminum finish.	190.66	35.71
		For Owner Furnished Material, Deduct	*-119.25*	
08 71 11 00-0785	EA	Public Toilet Lock	86.87	23.85
		For Owner Furnished Material, Deduct	*-51.16*	
08 71 11 00-0786	EA	Slide Latch Handle Mechanism For Toilet Stall Partition Doors	81.69	14.29
		For Owner Furnished Material, Deduct	*-53.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0787	EA	Brass Entry Lockset Door Repair Cover, US3	115.87	17.86
		For Owner Furnished Material, Deduct	*-44.46*	
08 71 11 00-0788	EA	Stainless Steel Entry Lockset Door Repair Cover, US32D	123.97	17.86
		For Owner Furnished Material, Deduct	*-52.56*	
08 71 11 00-0789	EA	Brass Entry Deadlock Door Repair Cover, US3	99.52	17.86
		For Owner Furnished Material, Deduct	*-28.11*	
08 71 11 00-0790	EA	Latch Protector	44.50	14.29
		For Owner Furnished Material, Deduct	*-15.94*	

08 71 11 00-0791 Door Plates And Pulls *(08 71 11)*

08 71 11 00-0792 Kick Plate *(08 71 11 00-0791)*

Note: Ives 8400.

08 71 11 00-0793 Aluminum Base Material Kick Plate *(08 71 11 00-0792)*

08 71 11 00-0794 Satin Aluminum Finish, Aluminum Kick Plate *(08 71 11 00-0793)*

Note: US28

08 71 11 00-0795	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	73.25	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.05	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.78	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.55	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.21	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.92	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.71	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.46	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.08	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.85	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.58	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.25	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	115.01	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.75	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.89	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0810	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.35	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.76	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.23	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.56	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.00	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.47	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.90	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0817	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.22	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.66	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.13	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.46	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.87	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.33	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	88.49	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.60	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.80	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.87	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.90	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.04	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.18	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.35	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.34	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.47	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.64	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.64	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.78	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.95	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.90	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.73	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.64	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.47	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.13	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.81	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.64	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0845	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.34	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.15	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	152.99	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.67	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0849	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	165.54	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	170.38	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.54	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.04	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.61	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.12	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.04	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.58	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.09	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.46	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	162.03	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.53	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	175.89	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	181.43	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.00	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.50	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.12	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.74	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.36	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	147.80	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.42	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.04	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.66	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0873	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.14	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.76	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.39	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	199.86	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	206.48	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	213.10	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.44	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.79	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.14	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	151.50	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.71	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.06	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	176.41	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.76	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	193.97	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	201.32	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	208.67	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	218.90	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	226.25	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0892	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	233.60	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0893	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.52	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0894	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.61	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.69	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.78	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	172.75	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	180.84	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	188.92	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.01	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0901	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	207.94	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	216.03	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	224.11	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	235.06	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	243.15	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	251.23	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.61	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.42	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0909	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.27	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	172.09	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.76	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	192.58	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	201.40	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	210.25	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	221.91	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	230.73	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	239.55	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	251.23	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	260.08	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	268.90	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0921 Brass Base Material Kick Plate *(08 71 11 00-0792)*

08 71 11 00-0922 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0921)*

Note: US3/US4

08 71 11 00-0923	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.83	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	152.99	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	162.19	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	171.36	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	183.39	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.62	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0929	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	201.79	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	210.96	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	232.14	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.31	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.34	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	262.57	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	271.74	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	169.09	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	180.53	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	192.03	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	203.50	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	217.79	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	229.29	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	240.79	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	252.26	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.55	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	278.05	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.55	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	303.84	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	315.34	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	326.81	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	194.26	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.10	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	221.83	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	235.60	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	252.26	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	266.03	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0957	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	279.80	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	293.53	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	310.21	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	323.95	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	337.72	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	354.34	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	368.08	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	381.91	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.42	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	238.46	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	254.53	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	270.63	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	289.55	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	305.61	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.65	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	337.72	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	356.64	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	372.71	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	388.75	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	407.67	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	423.77	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	439.83	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	311.77	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	336.02	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	360.20	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	384.35	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	411.38	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	435.59	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0985	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	459.81	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	483.92	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	511.03	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	535.24	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	559.43	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	586.43	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	610.61	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	634.82	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	344.51	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	371.67	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	398.79	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	426.00	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	456.01	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	483.13	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	510.34	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	537.46	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	567.54	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.69	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	621.81	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	651.88	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	679.00	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	706.15	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	380.55	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	410.71	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	440.93	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	471.05	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	504.13	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	534.32	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1013	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	564.47	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.69	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	627.66	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	657.88	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	688.07	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	721.10	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	751.32	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1020	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	781.44	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1021	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	413.78	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	446.93	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	480.12	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	513.35	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	549.40	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	582.62	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	615.81	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	649.03	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	685.04	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	718.23	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	751.45	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	787.51	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	820.73	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	853.86	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1035	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	446.93	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	483.13	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	519.38	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	555.61	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	594.69	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	630.88	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1041	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	667.11	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	705.31	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	742.38	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	778.57	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	814.79	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	853.86	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	890.14	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	926.34	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1049 Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0921)*

Note: US10/US10B

08 71 11 00-1050	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	156.17	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	166.43	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	176.77	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	187.03	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.24	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	210.52	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	220.84	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.12	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.22	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	254.57	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.86	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	278.03	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	288.32	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	298.64	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	184.47	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	197.38	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	210.22	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	223.09	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	238.82	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1069	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	251.72	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.56	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	277.43	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.19	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	306.06	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	318.90	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	334.70	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	347.54	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	360.41	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	212.80	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.26	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.69	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	259.15	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	277.43	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	292.93	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	308.38	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	323.81	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.12	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.55	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	372.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	391.29	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	406.78	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	422.21	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.96	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	262.01	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	280.02	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	298.04	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	318.90	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1097	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	336.95	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	354.96	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	372.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	393.88	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	411.89	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	429.91	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	450.81	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	468.88	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	486.90	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.62	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	369.65	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	396.63	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	423.62	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	453.46	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	480.45	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.47	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	534.46	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	564.31	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	591.30	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	618.29	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	648.13	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	675.12	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	702.11	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	378.78	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	409.09	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	439.34	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.65	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	502.75	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1125	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	533.03	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	563.30	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	593.58	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	626.69	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	657.00	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	687.31	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	720.41	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	750.72	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	780.97	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	418.62	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	452.31	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	485.91	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	519.61	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	556.07	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	589.70	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	623.37	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	657.00	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	693.55	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	727.15	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	760.78	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	797.32	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	830.95	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1147	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	864.62	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1148	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	455.64	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1149	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	492.69	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	529.67	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	566.66	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	606.57	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1153	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	643.56	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	680.57	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	717.56	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	757.46	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	794.45	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	831.47	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	871.32	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	908.31	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	945.36	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	492.69	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	533.03	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	573.40	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	613.77	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	657.00	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	697.37	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	737.81	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	778.12	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	821.34	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	861.75	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	902.12	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	945.36	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	985.73	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	1,026.10	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1176 Stainless Base Material Kick Plate *(08 71 11 00-0792)*

08 71 11 00-1177 Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-1176)*
Note: US26/US26D

08 71 11 00-1178	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	154.45	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	164.60	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	174.75	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1181	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	184.90	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	197.90	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	208.02	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	218.17	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	228.32	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	241.32	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	251.50	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.65	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.65	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	284.80	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	294.95	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	182.37	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	195.04	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	207.72	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	220.40	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	235.97	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	248.65	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	261.32	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.00	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	289.53	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	302.21	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	314.88	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	330.42	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	343.10	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	355.78	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	210.25	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	225.46	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	240.73	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1209	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	255.94	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.00	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	289.24	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	304.45	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	319.65	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	337.71	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	352.92	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	368.16	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	386.22	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	401.49	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	416.70	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	241.00	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	258.80	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	276.56	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	294.30	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	314.88	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	332.65	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.39	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	368.16	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	388.82	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	406.55	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	424.29	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	412.89	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	462.64	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	480.41	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	343.31	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	370.40	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	397.45	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1237	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	424.50	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	454.40	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	481.45	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	508.54	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	535.59	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	565.50	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	592.55	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	619.60	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	649.51	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	676.56	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	703.61	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	379.55	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	409.93	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	440.25	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	470.63	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	503.80	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	534.15	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	564.50	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	594.85	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	628.02	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.41	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	688.79	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	721.95	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	752.34	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	782.65	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	419.47	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	453.25	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	486.93	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1265	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	520.70	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	557.24	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	590.95	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	624.69	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.41	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	695.03	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	728.71	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	762.42	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	799.03	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1274	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	832.74	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1275	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	866.49	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	456.58	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	493.71	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	530.79	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	567.86	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	607.86	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	644.93	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	682.03	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	719.10	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	759.09	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	796.16	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	833.27	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	873.21	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	910.28	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	947.42	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	493.71	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	534.15	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	574.61	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1293	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	615.08	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	658.41	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	698.87	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	739.40	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	779.80	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	823.12	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	863.62	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	904.08	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	947.42	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	987.88	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	1,028.35	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1304 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1176)*

Note: US32D

08 71 11 00-1305	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.58	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.78	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	83.89	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.12	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.12	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.23	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.46	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.60	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.62	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.78	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.92	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.95	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.12	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.26	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.28	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.26	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1321	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.21	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.14	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.98	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.93	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.86	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.78	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.65	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.57	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.49	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.33	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.29	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.21	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.00	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.74	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.47	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.21	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.78	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.55	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.25	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.02	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.58	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	143.35	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.12	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.69	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.46	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	165.16	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.55	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.07	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1349	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.63	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.15	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.49	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	137.04	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.57	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.12	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.53	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	161.99	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.55	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.95	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	181.47	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.03	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.79	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.85	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.63	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.37	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.75	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	163.53	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	170.27	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	179.88	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.69	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.46	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	203.62	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	209.81	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.58	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.51	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.98	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1377	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.38	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.82	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	160.14	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.54	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.98	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.38	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	192.71	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.15	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	207.55	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	217.87	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	225.34	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	232.74	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.46	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	147.71	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.99	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.22	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.36	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.64	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	191.86	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.15	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	211.25	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	219.53	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.82	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1400	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	238.91	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	247.19	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1402	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	255.44	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1403	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.53	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.66	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1405	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.69	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	175.83	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.72	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.85	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	205.92	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	215.02	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	226.94	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	236.04	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	245.17	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	257.07	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	266.20	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	275.24	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.66	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	167.54	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.49	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	187.37	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.15	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	210.06	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	219.98	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	229.89	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	242.66	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	252.57	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	262.49	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	275.24	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	285.19	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	295.13	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1431 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1176)*
Note: US32

08 71 11 00-1432	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	124.62	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1433	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.09	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.49	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.93	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.19	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.66	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.07	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.54	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.76	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.23	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.70	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	214.96	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	222.40	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	229.80	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.07	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.33	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.66	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.96	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.08	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.38	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.70	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.00	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	225.11	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.41	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.74	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.83	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.16	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	274.45	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	165.49	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1461	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	176.68	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.83	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	198.99	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.00	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.09	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	235.28	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.43	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.44	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.59	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.71	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.76	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	307.88	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.04	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.83	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	201.85	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	214.86	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.87	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.74	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.72	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	269.73	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.71	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	298.62	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	311.63	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	324.65	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	340.51	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	353.46	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	366.48	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.25	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1489	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.09	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	239.03	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	253.87	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.59	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.46	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	301.31	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	316.18	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.91	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	348.75	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.63	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	381.35	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	396.25	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	411.13	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	231.88	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	248.87	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.73	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.72	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	302.49	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.35	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	336.34	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	362.88	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.05	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	389.97	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1512	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	406.90	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	426.67	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	443.60	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	460.52	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	255.47	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1517	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	274.25	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	293.07	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	311.85	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	333.53	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	352.38	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	371.13	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	389.97	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	411.58	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	430.42	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	449.24	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	470.89	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	489.71	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1529	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	508.49	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1530	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	276.14	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.82	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	317.49	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	338.17	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	361.73	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	382.44	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	403.15	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	423.82	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	447.35	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	468.02	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	488.70	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	512.24	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	532.98	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	553.66	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.82	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1545	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.35	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	341.95	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	364.52	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	389.97	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	412.51	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	435.07	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	457.67	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	483.09	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	505.62	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	528.22	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	553.66	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	576.25	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	598.79	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1558 Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-1176)*

Note: US15

08 71 11 00-1559	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	158.59	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	169.06	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	179.63	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	190.11	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	203.54	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	214.04	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	224.58	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	235.08	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	248.40	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	258.97	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.48	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	282.87	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	293.38	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	303.91	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1573	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	187.50	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	200.68	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	213.79	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	226.94	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	242.94	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	256.12	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	269.24	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	282.38	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	298.41	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	311.56	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	324.67	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	340.74	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	353.86	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	367.01	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	216.43	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	232.22	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	247.98	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	263.77	10.71
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	282.38	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	298.20	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	313.99	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	329.75	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.39	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	364.15	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	379.90	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	398.55	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	414.37	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	430.13	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1601	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	248.19	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	266.63	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	285.03	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	303.42	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	324.67	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	343.10	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.50	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	379.90	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	401.19	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	419.59	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	437.99	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	459.27	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	477.74	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	496.13	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.96	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	376.56	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	404.13	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	431.69	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	462.11	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	489.67	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	517.27	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	544.84	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	575.26	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	602.83	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	630.40	12.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	660.81	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	688.38	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	715.94	13.57
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1629	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	385.89	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	416.85	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	447.74	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	478.70	11.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	512.44	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	543.37	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	574.30	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	605.22	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	638.97	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	669.93	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	700.89	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	734.63	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	765.59	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	796.49	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	426.52	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	460.93	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	495.25	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	529.67	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	566.85	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	601.20	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	635.58	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	669.93	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	707.20	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	741.52	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	775.87	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	813.12	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	847.47	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1656	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	881.86	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1657	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.33	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1658	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	502.17	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1659	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	539.95	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1660	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	577.72	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1661	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	618.42	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1662	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	656.20	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1663	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	694.01	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1664	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	731.78	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1665	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	772.48	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1666	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	810.25	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1667	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	848.06	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1668	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	888.71	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1669	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	926.48	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1670	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	964.33	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1671	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	502.17	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1672	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	543.37	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1673	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	584.60	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1674	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	625.84	12.15
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1675	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	669.93	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1676	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	711.17	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1677	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	752.47	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1678	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	793.64	12.86
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1679	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	837.72	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1680	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	878.99	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1681	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	920.22	13.57
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1682	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	964.33	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1683	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	1,005.56	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1684	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	1,046.79	14.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1685		Plastic Kick Plate *(08 71 11 00-0792)*		
08 71 11 00-1686		Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1685)*		
		Note: With four beveled edges.		
08 71 11 00-1687	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.63	10.71
08 71 11 00-1688	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.94	10.71
08 71 11 00-1689	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.33	10.71
08 71 11 00-1690	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.66	10.71
08 71 11 00-1691	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.88	11.43
08 71 11 00-1692	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.21	11.43
08 71 11 00-1693	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.52	11.43
08 71 11 00-1694	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.91	11.43
08 71 11 00-1695	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.94	12.15
08 71 11 00-1696	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.40	12.15
08 71 11 00-1697	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.79	12.15
08 71 11 00-1698	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.98	12.86
08 71 11 00-1699	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.34	12.86
08 71 11 00-1700	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.68	12.86
08 71 11 00-1701	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.06	10.71
08 71 11 00-1702	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.02	10.71
08 71 11 00-1703	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.92	10.71
08 71 11 00-1704	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.83	10.71
08 71 11 00-1705	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.64	11.43
08 71 11 00-1706	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.55	11.43
08 71 11 00-1707	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.51	11.43
08 71 11 00-1708	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.41	11.43
08 71 11 00-1709	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.22	12.15
08 71 11 00-1710	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.12	12.15
08 71 11 00-1711	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.08	12.15
08 71 11 00-1712	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.84	12.86
08 71 11 00-1713	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.80	12.86
08 71 11 00-1714	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.70	12.86
08 71 11 00-1715	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.52	10.71
08 71 11 00-1716	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.05	10.71
08 71 11 00-1717	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.52	10.71
08 71 11 00-1718	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.08	10.71
08 71 11 00-1719	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.41	11.43
08 71 11 00-1720	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.97	11.43
08 71 11 00-1721	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.49	11.43
08 71 11 00-1722	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.99	11.43
08 71 11 00-1723	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.32	12.15
08 71 11 00-1724	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.84	12.15
08 71 11 00-1725	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.40	12.15
08 71 11 00-1726	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.73	12.86
08 71 11 00-1727	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.29	12.86
08 71 11 00-1728	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.76	12.86
08 71 11 00-1729	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.81	11.43
08 71 11 00-1730	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	94.94	11.43
08 71 11 00-1731	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.01	11.43
08 71 11 00-1732	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.13	11.43
08 71 11 00-1733	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.08	12.15
08 71 11 00-1734	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.15	12.15
08 71 11 00-1735	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.27	12.15
08 71 11 00-1736	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.40	12.15
08 71 11 00-1737	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.33	12.86
08 71 11 00-1738	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	133.46	12.86
08 71 11 00-1739	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.55	12.86
08 71 11 00-1740	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.47	13.57
08 71 11 00-1741	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	148.60	13.57
08 71 11 00-1742	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.67	13.57
08 71 11 00-1743	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.98	11.43
08 71 11 00-1744	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.39	11.43
08 71 11 00-1745	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.71	11.43
08 71 11 00-1746	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.12	11.43
08 71 11 00-1747	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.37	12.15
08 71 11 00-1748	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	134.75	12.15
08 71 11 00-1749	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.16	12.15
08 71 11 00-1750	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.51	12.15
08 71 11 00-1751	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.77	12.86
08 71 11 00-1752	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	159.15	12.86
08 71 11 00-1753	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	164.56	12.86
08 71 11 00-1754	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.81	13.57
08 71 11 00-1755	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.13	13.57
08 71 11 00-1756	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	183.54	13.57
08 71 11 00-1757	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.35	11.43
08 71 11 00-1758	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.44	11.43
08 71 11 00-1759	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.47	11.43
08 71 11 00-1760	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.56	11.43
08 71 11 00-1761	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	273.98	12.15
08 71 11 00-1762	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.51	12.15
08 71 11 00-1763	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	151.60	12.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1764	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.63	12.15
08 71 11 00-1765	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	166.58	12.86
08 71 11 00-1766	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.64	12.86
08 71 11 00-1767	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.67	12.86
08 71 11 00-1768	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	187.61	13.57
08 71 11 00-1769	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	193.64	13.57
08 71 11 00-1770	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	199.73	13.57
08 71 11 00-1771	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.63	12.15
08 71 11 00-1772	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.37	12.15
08 71 11 00-1773	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	136.09	12.15
08 71 11 00-1774	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	142.83	12.15
08 71 11 00-1775	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.44	12.86
08 71 11 00-1776	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	159.15	12.86
08 71 11 00-1777	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	165.89	12.86
08 71 11 00-1778	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.64	12.86
08 71 11 00-1779	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	182.20	13.57
08 71 11 00-1780	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	188.95	13.57
08 71 11 00-1781	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	195.66	13.57
08 71 11 00-1782	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	205.28	14.29
08 71 11 00-1783	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	212.02	14.29
08 71 11 00-1784	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	218.74	14.29
08 71 11 00-1785	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	130.06	12.15
08 71 11 00-1786	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.42	12.15
08 71 11 00-1787	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.85	12.15
08 71 11 00-1788	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.22	12.15
08 71 11 00-1789	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	162.54	12.86
08 71 11 00-1790	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.96	12.86
08 71 11 00-1791	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.33	12.86
08 71 11 00-1792	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.76	12.86
08 71 11 00-1793	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	194.98	13.57
08 71 11 00-1794	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	202.41	13.57
08 71 11 00-1795	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	209.83	13.57
08 71 11 00-1796	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	220.07	14.29
08 71 11 00-1797	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	227.50	14.29
08 71 11 00-1798	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	234.87	14.29
08 71 11 00-1799	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.42	12.15
08 71 11 00-1800	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.51	12.15
08 71 11 00-1801	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.62	12.15
08 71 11 00-1802	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	161.70	12.15
08 71 11 00-1803	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.64	12.86
08 71 11 00-1804	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	180.69	12.86
08 71 11 00-1805	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	188.77	12.86
08 71 11 00-1806	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	196.88	12.86
08 71 11 00-1807	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.81	13.57
08 71 11 00-1808	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	215.87	13.57
08 71 11 00-1809	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	223.95	13.57
08 71 11 00-1810	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	234.87	14.29
08 71 11 00-1811	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	243.01	14.29
08 71 11 00-1812	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	251.09	14.29

08 71 11 00-1813 Armor Door Plate *(08 71 11 00-0791)*

Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 11 00-1814	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	33.61	1.79
08 71 11 00-1815	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	32.04	1.40
08 71 11 00-1816	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	36.89	1.79
08 71 11 00-1817	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.32	1.40
08 71 11 00-1818	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	74.85	1.79
08 71 11 00-1819	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	73.28	1.40

08 71 11 00-1820 Mop Plate *(08 71 11 00-0791)*

Note: Ives 8400. See CSI section 08 71 11 00-0791 for 8" High Plates.

08 71 11 00-1821 Aluminum Base Material Mop Plate *(08 71 11 00-1820)*

08 71 11 00-1822 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1821)*

Note: US28

08 71 11 00-1823	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.70	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	61.38	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	62.99	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.67	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.06	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1828	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.68	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.35	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	72.96	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	77.07	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.71	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.36	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	84.85	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	86.52	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	88.14	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.78	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.24	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	73.74	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	76.21	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.42	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.86	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	85.39	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	87.82	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1845	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	92.75	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1846	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	95.21	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	97.71	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	103.03	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	105.52	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	107.96	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1851 Brass Base Material Mop Plate *(08 71 11 00-1820)*

08 71 11 00-1852 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1851)*

Note: US3/US4

08 71 11 00-1853	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.90	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	99.80	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	104.64	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1856	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	109.50	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	116.06	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	120.90	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	125.77	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	130.61	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1861	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	137.90	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	142.74	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	147.58	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	155.30	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	160.13	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	165.04	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	121.63	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	128.89	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	136.17	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	143.43	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	152.44	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	159.76	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	166.98	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1874	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	174.30	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1875	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	183.95	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	191.27	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	198.56	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	208.67	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	215.95	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	223.21	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1881 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1851)*

Note: US10/US10B

08 71 11 00-1882	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	101.20	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	106.60	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1884	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	112.04	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	117.44	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	124.60	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	130.03	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	135.47	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	140.91	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	148.71	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	154.14	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	159.58	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	167.87	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	173.30	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	178.67	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	131.00	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	139.19	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	147.31	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	171.26	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	165.27	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	173.39	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	181.52	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1903	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	189.64	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1904	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	200.25	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	208.38	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	216.50	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	227.47	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	235.59	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	243.72	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1910 Stainless Base Material Mop Plate *(08 71 11 00-1820)*

08 71 11 00-1911 Bright/Satin Chrome Finish, Stainless Mop Plate *(08 71 11 00-1910)*
Note: US26/US26D

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1912	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	100.25	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	105.55	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	110.89	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	116.24	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	123.26	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	128.61	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	133.95	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	139.26	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	147.03	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	152.40	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	157.74	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	165.93	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	171.24	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	176.58	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	129.57	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	137.54	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.56	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	153.59	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	163.27	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	171.30	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	179.26	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1933	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	187.29	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1934	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	197.75	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	205.71	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.74	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	224.55	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	232.58	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	240.57	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1940		Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1910)*		
		Note: US32D		
08 71 11 00-1941	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.30	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	63.04	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	64.85	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.63	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	70.16	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.96	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.71	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	75.52	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.72	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	81.53	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.34	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	87.94	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	89.74	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	91.52	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.08	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	73.80	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	76.48	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	79.19	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.56	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	86.24	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	88.96	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1962	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	91.64	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1963	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	96.78	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	99.43	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	102.11	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	107.67	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	110.32	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1968	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	113.03	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969		**Bright Stainless Finish, Stainless Mop Plate** *(08 71 11 00-1910)* Note: US32		
08 71 11 00-1970	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	84.84	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	88.79	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	92.75	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	96.65	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	102.32	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.25	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	110.21	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	114.16	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	120.49	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	124.44	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	128.40	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	135.18	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	139.13	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	143.03	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.48	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	112.44	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	118.35	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	124.25	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	131.84	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	137.75	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	143.65	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1991	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	149.56	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1992	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	157.92	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1993	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	163.83	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1994	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	169.73	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1995	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	178.49	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1996	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	184.36	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1997	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	190.26	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1998 Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1910)*

Note: US15

08 71 11 00-1999	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	102.28	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2000	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	107.74	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2001	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	113.30	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2002	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	118.82	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2003	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	126.07	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2004	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	131.56	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2005	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	137.08	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2006	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	142.61	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2007	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	150.60	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2008	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	156.09	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2009	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	161.58	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2010	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	169.99	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2011	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	175.52	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2012	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	180.98	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2013	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	132.62	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2014	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	140.89	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2015	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	149.16	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2016	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	157.43	10.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2017	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	167.43	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2018	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	175.70	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2019	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	183.97	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2020	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	192.28	10.86
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2021	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	202.98	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2022	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	211.28	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2023	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	219.55	11.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2024	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	230.68	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2025	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	238.95	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-2026	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	247.25	12.15
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-2027 Plastic Mop Plate *(08 71 11 00-1820)*

08 71 11 00-2028 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-2027)*

Note: With four beveled edges.

08 71 11 00-2029	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	57.95	10.43
08 71 11 00-2030	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	59.44	10.43
08 71 11 00-2031	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	60.95	10.43
08 71 11 00-2032	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	62.44	10.43
08 71 11 00-2033	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	65.64	10.86
08 71 11 00-2034	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	67.13	10.86
08 71 11 00-2035	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.61	10.86
08 71 11 00-2036	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	70.13	10.86
08 71 11 00-2037	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	74.04	11.43
08 71 11 00-2038	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	75.53	11.43
08 71 11 00-2039	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	77.01	11.43
08 71 11 00-2040	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.35	12.15
08 71 11 00-2041	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	82.86	12.15
08 71 11 00-2042	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	84.35	12.15
08 71 11 00-2043	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.15	10.43
08 71 11 00-2044	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.41	10.43
08 71 11 00-2045	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	70.63	10.43
08 71 11 00-2046	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	72.86	10.43
08 71 11 00-2047	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	76.84	10.86
08 71 11 00-2048	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.07	10.86
08 71 11 00-2049	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	81.29	10.86
08 71 11 00-2050	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	83.52	10.86
08 71 11 00-2051	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	88.21	11.43
08 71 11 00-2052	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	90.43	11.43
08 71 11 00-2053	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	92.66	11.43
08 71 11 00-2054	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	97.77	12.15
08 71 11 00-2055	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	100.00	12.15
08 71 11 00-2056	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	102.22	12.15

08 71 11 00-2057 Pull Handle And Plates *(08 71 11 00-0791)*

08 71 11 00-2058 Pull Handle *(08 71 11 00-2057)*

08 71 11 00-2059	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	73.83	11.78
		For Stainless Steel, Add	*11.21*	
		For Brass, Add	*15.22*	
08 71 11 00-2060	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	77.29	11.78
		For Stainless Steel, Add	*12.67*	
		For Brass, Add	*17.19*	
08 71 11 00-2061	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	82.76	11.78
		For Stainless Steel, Add	*14.96*	
		For Brass, Add	*20.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2062	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	85.79	11.78
		For Stainless Steel, Add	*16.24*	
		For Brass, Add	*22.04*	
08 71 11 00-2063	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	91.28	11.78
		For Stainless Steel, Add	*18.54*	
		For Brass, Add	*25.17*	
08 71 11 00-2064	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	98.37	11.78
		For Stainless Steel, Add	*21.52*	
		For Brass, Add	*29.21*	
08 71 11 00-2065	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	77.56	11.78
		For Stainless Steel, Add	*12.78*	
		For Brass, Add	*17.35*	
08 71 11 00-2066	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	85.12	11.78
		For Stainless Steel, Add	*15.96*	
		For Brass, Add	*21.65*	
08 71 11 00-2067	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	86.36	11.78
		For Stainless Steel, Add	*16.48*	
		For Brass, Add	*22.36*	
08 71 11 00-2068	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	162.73	11.78
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*21.85*	
		For Brass, Add	*20.11*	
08 71 11 00-2069	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	167.41	11.78
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*22.73*	
		For Brass, Add	*20.93*	
08 71 11 00-2070	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	176.81	11.78
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*24.51*	
		For Brass, Add	*22.56*	
08 71 11 00-2071	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	231.27	11.78
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*34.80*	
		For Brass, Add	*32.04*	

08 71 11 00-2072 Pull Plate *(08 71 11 00-2057)*

08 71 11 00-2073	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	111.82	8.93
		For Stainless Steel, Add	*44.90*	
		For Brass, Add	*57.08*	
08 71 11 00-2074	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	114.47	8.93
		For Stainless Steel, Add	*46.47*	
		For Brass, Add	*59.07*	
08 71 11 00-2075	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	120.50	8.93
		For Stainless Steel, Add	*50.03*	
		For Brass, Add	*63.59*	

08 71 11 00-2076 Push Bars And Plates *(08 71 11 00-0791)*

08 71 11 00-2077 Push Bars *(08 71 11 00-2076)*

08 71 11 00-2078	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate Note: Up to 34" wide. All finishes.	334.47	8.93
08 71 11 00-2079	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	293.44	8.93
		For Brass Push Bar, Add	*44.85*	
08 71 11 00-2080	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	304.26	8.93
		For Brass Push Bar, Add	*46.73*	
08 71 11 00-2081	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	572.81	8.93
		For Brass Push Bar, Add	*93.46*	

08 71 11 00-2082 Push Plates *(08 71 11 00-2076)*

08 71 11 00-2083 Aluminum Push Plates *(08 71 11 00-2082)*

08 71 11 00-2084 Clear Anodized Finish, Aluminum Push Plates *(08 71 11 00-2083)*

Note: Ives 8200 Series.

08 71 11 00-2085	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.83	8.93
08 71 11 00-2086	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.83	8.93
08 71 11 00-2087	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	54.83	8.93
08 71 11 00-2088	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	59.67	8.93

08 71 11 00-2089 Stainless Steel Push Plates *(08 71 11 00-2082)*

08 71 11 00-2090 Satin Finish, Stainless Steel Push Plates *(08 71 11 00-2089)*

Note: Ives 8200 Series.

08 71 11 00-2091	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	54.83	8.93
08 71 11 00-2092	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	58.56	8.93
08 71 11 00-2093	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	67.05	8.93
08 71 11 00-2094	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	79.62	8.93

08 71 11 00-2095 Brass Push Plates *(08 71 11 00-2082)*

08 71 11 00-2096 Bright/Satin Brass Finish, Brass Push Plates *(08 71 11 00-2095)*

Note: Ives 8200 Series.

08 71 11 00-2097	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	66.19	8.93
08 71 11 00-2098	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	75.74	8.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2099	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	98.74	8.93
08 71 11 00-2100	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	113.86	8.93
08 71 11 00-2101		**Bright/Satin Chrome Finish, Brass Push Plates** *(08 71 11 00-2095)*		
		Note: Ives 8200 Series.		
08 71 11 00-2102	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	73.83	8.93
08 71 11 00-2103	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	81.59	8.93
08 71 11 00-2104	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	102.66	8.93
08 71 11 00-2105	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	123.43	8.93
08 71 11 00-2106		**Satin/Dark Bronze Finish, Brass Push Plates** *(08 71 11 00-2095)*		
		Note: Ives 8200 Series.		
08 71 11 00-2107	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	73.83	8.93
08 71 11 00-2108	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	81.59	8.93
08 71 11 00-2109	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	106.38	8.93
08 71 11 00-2110	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	125.50	8.93
08 71 11 00-2111		**Satin Nickel Finish, Brass Push Plates** *(08 71 11 00-2095)*		
		Note: Ives 8200 Series.		
08 71 11 00-2112	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	73.83	8.93
08 71 11 00-2113	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	83.53	8.93
08 71 11 00-2114	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	112.27	8.93
08 71 11 00-2115	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	131.39	8.93
08 71 11 00-2116		**Anti-Vandal Pull** *(08 71 11 00-2076)*		
08 71 11 00-2117	EA	Anti-Vandal Pull With Astragal (Trimco 1096HA)	394.37	17.86
08 71 11 00-2118	EA	Anti-Vandal Pull Without Astragal (Trimco 1097HA)	394.37	17.86
08 71 11 00-2119		**Exit Devices** *(08 71 11)*		
08 71 11 00-2120		**Push Bar Exit Device (Von Duprin Series 22)** *(08 71 11 00-2119)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2121	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22)	903.27	160.68
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2122	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F)	997.21	160.68
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2123	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227)	1,293.04	192.83
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2124	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F)	1,527.02	178.54
		Note: Anodized finish: aluminum or dark brown.		
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2125	EA	Dummy Trim (Von Duprin Series 22, 210DT)	124.50	26.78
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2126	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	259.73	35.71
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2127	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	480.22	53.56
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2128	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	475.89	53.56
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2129	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	474.81	53.56
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2130	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	382.23	53.56
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2131	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	154.63	21.43
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2132	EA	Dummy Trim (Von Duprin Series 22, 230DT)	179.73	26.78
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2133	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	317.14	35.71
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2134	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	377.91	53.56
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2135	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)	376.82	53.56
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2136		**Push Bar Exit Device, Narrow Stile (Von Duprin Series 33/35)** *(08 71 11 00-2119)*		
		Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2137	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35)	1,859.38	160.68
		Note: Aluminum anodized finish.		
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*146.52*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*138.08*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*54.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*417.81*	
		For Accessible Device (AX), Add	*143.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2138	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527) Note: Aluminum anodized finish.	2,526.39	192.83
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*206.05*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*76.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*587.56*	
		For Accessible Device (AX), Add	*201.22*	
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F) Note: Aluminum anodized finish.	2,575.14	192.83
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*211.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*198.88*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*78.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*601.79*	
		For Accessible Device (AX), Add	*206.09*	
08 71 11 00-2140	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) Note: Aluminum anodized finish.	2,622.91	221.39
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*207.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*195.91*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*77.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*592.80*	
		For Accessible Device (AX), Add	*203.02*	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F) Note: Aluminum anodized finish.	2,748.67	221.39
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*220.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*208.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*81.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*629.53*	
		For Accessible Device (AX), Add	*215.59*	
08 71 11 00-2142	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) Note: Aluminum anodized finish.	2,924.48	221.39
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*238.77*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*225.01*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*88.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*680.86*	
		For Accessible Device (AX), Add	*233.17*	
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F) Note: Aluminum anodized finish.	3,050.24	221.39
		For 4' Push Bar, Add	*13.87*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*251.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*237.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*93.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*717.58*	
		For Accessible Device (AX), Add	*245.75*	
08 71 11 00-2144	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown.	415.32	26.78
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.19*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*100.42*	
08 71 11 00-2145	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown.	472.79	35.71
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*35.98*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*108.86*	
08 71 11 00-2146	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL) Note: Anodized finish: aluminum or dark brown.	758.27	35.71
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*63.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*192.22*	
08 71 11 00-2147	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown.	777.44	53.56
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*24.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*185.30*	
08 71 11 00-2148	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown.	918.40	53.56
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*29.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*226.46*	
08 71 11 00-2149	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown.	900.63	53.56
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.80*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*221.27*	
08 71 11 00-2150	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown.	908.93	53.56
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.93*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*29.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*223.70*	

08 71 11 00-2151 Push Bar Exit Device (Von Duprin Series 98/99) *(08 71 11 00-2119)*
Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2152	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,606.53	160.68
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.86*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*114.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*182.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*373.43*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*117.80*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*173.17*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*117.80*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2153	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,812.59	160.68
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*84.43*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.26*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*214.53*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*438.75*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*138.41*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*203.46*	
		For Accessible Device (AX), Add	*138.41*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2154	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,576.73	160.68
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*70.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*111.38*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*177.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*363.99*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*114.82*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*168.79*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*114.82*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2155	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,752.21	160.68
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*80.75*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*128.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*205.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*419.61*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*132.37*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*194.58*	
		For Accessible Device (AX), Add	*132.37*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2156	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,273.16	192.83
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*107.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.62*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*272.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*557.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.90*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*258.57*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*175.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2157	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,552.46	192.83
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*124.33*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.71*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*315.93*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*646.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*203.83*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*299.62*	
		For Accessible Device (AX), Add	*203.83*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2158	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,397.65	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*167.85*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*175.07*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*279.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*572.15*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*180.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*265.32*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*180.49*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2159	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,683.16	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*194.41*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*202.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*324.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*662.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*307.29*	
		For Accessible Device (AX), Add	*209.04*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2160	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,689.36	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*194.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*203.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*324.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*664.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.66*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*308.20*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*209.66*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2161	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,671.47	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*193.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*201.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*322.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*658.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*207.87*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*305.57*	
		For Accessible Device (AX), Add	*207.87*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2162	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)	2,348.67	221.39
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*163.30*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*170.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*272.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*556.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.59*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*258.12*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*175.59*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2163	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	2,629.23	221.39
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*189.39*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*197.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*315.65*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*645.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*203.65*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*299.36*	
		For Accessible Device (AX), Add	*203.65*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2164	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	2,523.59	192.83
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*122.57*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.91*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*311.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*636.98*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*200.94*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*295.38*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*200.94*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2165	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	2,684.99	192.83
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.42*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.57*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*336.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*688.14*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*217.08*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*319.11*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*217.08*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2166	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,257.34	199.97
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*63.70*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*167.01*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*266.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*545.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*172.17*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*253.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*172.17*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2167	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,467.12	199.97
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*187.36*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*299.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*612.29*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.15*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*283.93*	
		For Accessible Device (AX), Add	*193.15*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2168	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,244.67	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*153.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*160.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*256.05*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*523.66*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*165.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*242.83*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*165.19*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2169	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,426.65	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*170.55*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.25*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*581.34*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.39*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.58*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*183.39*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2170	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,433.15	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*171.16*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*178.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*285.26*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*583.40*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*184.04*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*270.54*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*184.04*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2171	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,758.12	221.39
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*201.38*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.04*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*335.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*686.42*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*216.54*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*318.31*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Cylinder Dogging Indicator (CI), Add	*190.93*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*216.54*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2172	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,482.82	185.68
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*462.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*945.58*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*298.29*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*110.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*124.69*	
		For Center Case Dogging (CD-CX), Add	*309.68*	
		For Accessible Device (AX), Add	*298.29*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2173	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	3,688.88	185.68
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*494.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,010.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*318.90*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.63*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*133.30*	
		For Accessible Device (AX), Add	*318.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2174	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,147.92	228.53
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*546.62*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,117.93*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*352.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*131.19*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*147.41*	
		For Center Case Dogging (CD-CX), Add	*309.68*	
		For Accessible Device (AX), Add	*352.66*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2175	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	4,357.71	228.53
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*579.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,184.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*373.64*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*138.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.18*	
		For Accessible Device (AX), Add	*373.64*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2176	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99)	2,266.33	185.68
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*273.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*559.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*176.64*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*65.71*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*101.39*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*176.64*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2177	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,472.39	185.68
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*305.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*625.27*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*73.38*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*113.22*	
		For Accessible Device (AX), Add	*197.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2178	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	2,931.43	228.53
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*358.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*732.30*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*231.01*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*85.94*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*132.60*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*68.51*	
		For Special Center Case Dogging (SD), Add	*286.85*	
		For Dogging Indicator (DI), Add	*175.40*	
		For Accessible Device (AX), Add	*231.01*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2179	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F) Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.	3,141.20	228.53
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*390.58*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*798.80*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*251.99*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*93.74*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*144.64*	
		For Accessible Device (AX), Add	*251.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*911.60*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*88.62*	
		For Safety Glow Touchpad, Add	*319.74*	
08 71 11 00-2180	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO) Note: Satin chrome plated US26D (BHMA 626) finish.	189.05	21.43
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.42*	
08 71 11 00-2181	EA	Dummy Trim (Von Duprin Series 98/99, 990DT) Note: Satin chrome plated US26D (BHMA 626) finish.	276.59	26.78
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.16*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*34.88*	
08 71 11 00-2182	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	417.82	35.71
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*54.03*	
08 71 11 00-2183	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL) Note: Satin chrome plated US26D (BHMA 626) finish.	319.83	35.71
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.37*	
08 71 11 00-2184	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	715.05	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.17*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*25.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*97.28*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2185	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L) Note: Satin chrome plated US26D (BHMA 626) finish.	617.06	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.62*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2186	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE) Note: Satin chrome plated US26D (BHMA 626) finish.	617.06	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.34*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*80.62*	
08 71 11 00-2187	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	610.37	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.03*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*79.48*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2188	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL) Note: Satin chrome plated US26D (BHMA 626) finish.	512.38	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.82*	
		For Electric Unlocking (E), Add	*745.68*	
08 71 11 00-2189	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT) Note: Satin chrome plated US26D (BHMA 626) finish.	512.38	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.09*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.82*	
08 71 11 00-2190	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K) Note: Satin chrome plated US26D (BHMA 626) finish.	593.63	53.56
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*76.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2191	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	495.64	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.98*	
08 71 11 00-2192	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	495.64	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.58*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*59.98*	
08 71 11 00-2193	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	584.20	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.24*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.86*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*75.03*	
08 71 11 00-2194	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	486.21	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.37*	
08 71 11 00-2195	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	486.21	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*15.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.37*	
08 71 11 00-2196	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	532.90	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.70*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.55*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.31*	
08 71 11 00-2197	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	434.91	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.65*	
08 71 11 00-2198	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	434.91	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*49.65*	
08 71 11 00-2199	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	444.40	53.56
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.57*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*51.27*	

08 71 11 00-2200 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2119)*

08 71 11 00-2201	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	1,086.31	53.56
08 71 11 00-2202	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	929.29	53.56
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Panic Device Control Board, Add	*82.34*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2203	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	713.94	53.56
08 71 11 00-2204	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	452.34	53.56
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2205	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	726.23	53.56
		For Battery Backup (Includes Board And 2 Batteries), Add	*70.98*	
		For Fire Alarm Interface, Add	*35.49*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*96.53*	
		For 4 Relay Output Board, Add	*79.50*	
		For 4 Relay Logic Board, Add	*218.04*	
		For Fused 8 Zone Distribution Board, Add	*28.39*	
08 71 11 00-2206	EA	Request to Exit Push Pad Monitor Switch (RX)	259.31	35.71
08 71 11 00-2207	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,069.76	
		Note: For Von Duprin Series 33A/35A/98/99 Exit Device		

08 71 11 00-2208 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2119)*

08 71 11 00-2209	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	641.12	35.71
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-498.28*	
08 71 11 00-2210	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	680.12	35.71
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-537.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2211	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	1,100.74	35.71
		For Owner Furnished Material, Deduct	*-957.90*	
08 71 11 00-2212	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	1,085.64	42.85
		For Owner Furnished Material, Deduct	*-914.24*	
08 71 11 00-2213	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	1,124.63	42.85
		For Owner Furnished Material, Deduct	*-953.23*	
08 71 11 00-2214	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	1,210.21	42.85
		For Owner Furnished Material, Deduct	*-1,038.81*	
08 71 11 00-2215	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	1,026.66	35.71
		For Owner Furnished Material, Deduct	*-883.82*	
08 71 11 00-2216	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	1,072.59	35.71
		For Owner Furnished Material, Deduct	*-929.75*	
08 71 11 00-2217	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	1,165.69	35.71
		For Owner Furnished Material, Deduct	*-1,022.85*	
08 71 11 00-2218	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	1,580.30	42.85
		For Owner Furnished Material, Deduct	*-1,408.90*	
08 71 11 00-2219	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	1,626.23	42.85
		For Owner Furnished Material, Deduct	*-1,454.83*	
08 71 11 00-2220	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	3,069.52	42.85
		For Owner Furnished Material, Deduct	*-2,898.12*	
08 71 11 00-2221	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	138.38	28.56
		For Owner Furnished Material, Deduct	*-81.24*	

08 71 11 00-2222 Cross Bar Exit Device, Narrow Stile (Von Duprin Series 55) *(08 71 11 00-2119)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2223	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	2,497.47	160.68
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*260.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*300.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*395.17*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*430.34*	
08 71 11 00-2224	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	3,221.75	221.39
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*331.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*381.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*502.14*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*546.83*	
08 71 11 00-2225	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.	3,515.30	221.39
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*368.24*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*423.77*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*558.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*607.89*	
08 71 11 00-2226	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.	3,294.32	221.39
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*340.40*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*391.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*516.00*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*561.92*	
08 71 11 00-2227	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.	3,579.21	221.39
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*376.29*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*433.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*570.41*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*621.18*	
08 71 11 00-2228	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.	2,509.25	199.97
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*248.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*286.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*376.96*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*410.52*	
08 71 11 00-2229	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.	2,700.98	199.97
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*272.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*313.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*413.58*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*450.39*	
08 71 11 00-2230	EA	Dummy Trim (DT) Pull Bracket (Von Duprin Series 55) Note: Anodized finish: dull brass or dull bronze.	427.80	26.78
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.91*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*51.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*68.07*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*74.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2231	EA	Cylinder Assembly (Von Duprin Series 55)	200.73	37.85
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*12.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*19.24*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.95*	
08 71 11 00-2232	EA	Night Latch Pull Trim (NL) With Cylinder (Von Duprin Series 55)	711.43	37.85
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.04*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*88.66*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*116.79*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*127.18*	
08 71 11 00-2233	EA	Thumbturn Trim (376T) With Cylinder (Von Duprin Series 55)	767.28	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*78.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*90.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*119.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*129.88*	
08 71 11 00-2234	EA	Thumbturn - Blank Escutcheon (376T-BE) (Von Duprin Series 55)	634.62	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.96*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*71.31*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*93.93*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*102.29*	
08 71 11 00-2235	EA	Lever Trim (371L) With Cylinder (Von Duprin Series 55)	767.28	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*78.68*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*90.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*119.27*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*129.88*	
08 71 11 00-2236	EA	Lever Trim (575L) With Cylinder (Von Duprin Series 55)	882.10	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*93.15*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*107.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*141.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*153.77*	
08 71 11 00-2237		Cross Bar Exit Device (Von Duprin Series 88) *(08 71 11 00-2119)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2238	EA	42" Crossbar, Rim Type, Exit Device	1,601.64	160.68
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*36.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*37.54*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*320.26*	
08 71 11 00-2239	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,860.54	160.68
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*44.39*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.94*	
08 71 11 00-2240	EA	42" Crossbar, Surface Vertical Rods, Exit Device	2,067.55	192.83
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*48.15*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*424.06*	
08 71 11 00-2241	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,627.56	192.83
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*67.63*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*576.95*	
08 71 11 00-2242	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	2,005.18	221.39
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*43.79*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*45.20*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*385.59*	
08 71 11 00-2243	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,514.41	221.39
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.57*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*61.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*524.61*	
08 71 11 00-2244	EA	42" Crossbar, Mortise Lock, Exit Device	2,138.79	199.97
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*49.70*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*51.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*437.67*	
08 71 11 00-2245	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	2,270.95	199.97
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*53.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*55.53*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*473.75*	
08 71 11 00-2246	EA	Dummy Trim (Von Duprin Series 88, DT)	242.56	26.78
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.48*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*46.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2247	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	378.87	35.71
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.65*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.92*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*76.13*	
08 71 11 00-2248	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	669.29	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*16.32*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*16.85*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*143.72*	
08 71 11 00-2249	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	625.96	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.98*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*15.46*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*131.89*	
08 71 11 00-2250	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	471.56	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.19*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.52*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.74*	
08 71 11 00-2251	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	471.56	53.56
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.19*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.52*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.74*	
08 71 11 00-2252		**Push Bar Exit Device, Precision Hardware Apex 2000 Series** *(08 71 11 00-2119)*		
		Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.		
08 71 11 00-2253	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	2,288.04	160.68
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,859.53*	
08 71 11 00-2254	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	2,415.81	160.68
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,987.30*	
08 71 11 00-2255	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	3,138.72	192.83
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,624.52*	
08 71 11 00-2256	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	3,266.49	192.83
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,752.29*	
08 71 11 00-2257	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	279.08	21.43
		For Owner Furnished Material, Deduct	*-221.94*	
08 71 11 00-2258	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	745.61	26.78
		For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2259	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	817.04	53.56
		For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2260	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	985.18	53.56
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2261	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	985.18	53.56
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2262	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	985.18	53.56
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2263	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	205.08	21.43
		For Owner Furnished Material, Deduct	*-147.94*	
08 71 11 00-2264	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	437.94	26.78
		For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2265	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	466.52	35.71
		For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2266	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	657.31	53.56
		For Owner Furnished Material, Deduct	*-514.47*	
08 71 11 00-2267	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	657.31	53.56
		For Owner Furnished Material, Deduct	*-514.47*	
08 71 11 00-2268		**Door Closers** *(08 71 11)*		
		Note: Includes standard cover and arm.		
08 71 11 00-2269	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	548.78	41.42
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2270	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	662.58	41.42
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2271	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	680.68	41.42
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2272	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	703.32	41.42
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2273	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	463.54	41.42
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2274	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	467.35	41.42
		For Parallel Arm, Add	*22.40*	

08 71 11 00-2275 Concealed Door Closers *(08 71 11)*

08 71 11 00-2276	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,552.07	122.84
08 71 11 00-2277	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,658.73	122.84
08 71 11 00-2278	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	782.88	49.99
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2279	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	845.28	49.99
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2280 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2281 Locksmith Services *(08 71 11 00-2280)*

08 71 11 00-2282	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.30	
		For >50, Deduct	*-0.46*	
08 71 11 00-2283	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	171.47	
		For >5, Deduct	*-17.15*	
08 71 11 00-2284	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	171.47	
		For >5, Deduct	*-17.15*	
08 71 11 00-2285	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	196.01	
		For >5, Deduct	*-17.15*	
08 71 11 00-2286	EA	Open Locked Doors	171.47	
08 71 11 00-2287	EA	Install Owner Furnished Cores And Cylinders	71.83	

08 71 11 00-2288 Mortise Locksets And Latchsets *(08 71 11 00-2280)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2289	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	986.87	35.71
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*27.85*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*25.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*42.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*297.94*	
08 71 11 00-2290	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	1,174.41	35.71
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.04*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.95*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.58*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*364.14*	
08 71 11 00-2291	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	1,307.06	35.71
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*38.42*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*34.93*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*58.21*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*410.97*	
08 71 11 00-2292	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	1,219.94	35.71
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*380.22*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*83.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2293	EA	Storeroom/Closet F07 Mortise Lockset	1,219.94	35.71
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.31*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.86*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*380.22*	
08 71 11 00-2294	EA	Entrance F08 Mortise Lockset	1,362.60	35.71
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*40.25*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*36.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*60.99*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*430.58*	
08 71 11 00-2295	EA	Dormitory/Exit F13 Mortise Lockset	1,173.10	35.71
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.00*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.51*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*363.68*	

08 71 11 00-2296 Locks And Latches *(08 71 11 00-2280)*

08 71 11 00-2297 Preassembled Locks And Latches *(08 71 11 00-2296)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2298	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)	2,121.12	35.71
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*60.42*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*100.70*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*710.94*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*374.60*	
		For Grade 2, Deduct	*-783.44*	
08 71 11 00-2299	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	2,297.20	35.71
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*65.70*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*109.50*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*773.09*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*407.35*	
		For Grade 2, Deduct	*-851.94*	
08 71 11 00-2300	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,612.91	35.71
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	
08 71 11 00-2301	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,612.91	35.71
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	
08 71 11 00-2302	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,612.91	35.71
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*75.17*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*125.29*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*884.54*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*466.08*	
		For Grade 2, Deduct	*-974.75*	

08 71 11 00-2303 Bored Locks And Latches *(08 71 11 00-2296)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 11 00-2304	EA	Passage/Closet F75 Bored Latchset	339.86	35.71
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.91*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*9.85*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*69.55*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*36.65*	
		For Grade 2, Deduct	*-9.85*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.94*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2305	EA	Bath/Bedroom Privacy F76 Bored Lockset	386.84	35.71
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*7.32*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*12.20*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*86.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*45.38*	
		For Grade 2, Deduct	*-12.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.88*	
		For Interchangeable Core, Add	*9.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2306	EA	Entrance/Office F82 Bored Lockset	424.72	35.71
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2307	EA	Classroom F84 Bored Lockset	424.72	35.71
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2308	EA	Storeroom/Closet F86 Bored Lockset	424.72	35.71
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2309	EA	Corridor/Dormitory F90 Bored Lockset	424.72	35.71
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*14.09*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*99.50*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*52.43*	
		For Grade 2, Deduct	*-14.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2310		**Heavy-Duty Cylinder Lever Locksets** *(08 71 11 00-2296)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/8" backset. (Corbin Russwin CL 3500).		
08 71 11 00-2311	EA	Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset	641.64	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2312	EA	Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset	690.66	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2313	EA	Heavy-Duty Cylindrical, F82 Entrance Lockset	757.44	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2314	EA	Heavy-Duty Cylindrical, F84 Classroom Lockset	757.44	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2315	EA	Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset	757.44	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2316	EA	Heavy-Duty Cylindrical, F109 Entrance Lockset	757.44	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2317	EA	Heavy-Duty Cylindrical Full Dummy Trim Lockset	601.59	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3600).		
08 71 11 00-2318		**Extra Heavy-Duty Cylinder Lever Locksets** *(08 71 11 00-2296)*		
		Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pin interchangeable core, 2-3/4" backset. (Corbin Russwin CL 3300).		
08 71 11 00-2319	EA	Extra Heavy-Duty Cylindrical, F75 Passage Or Closet Lockset	708.13	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2320	EA	Extra Heavy-Duty Cylindrical, F76 Privacy Bath/Bedroom Lockset	788.61	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2321	EA	Extra Heavy-Duty Cylindrical, F82 Entrance Lockset	855.43	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2322	EA	Extra Heavy-Duty Cylindrical, F84 Classroom Lockset	855.43	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2323	EA	Extra Heavy-Duty Cylindrical, F86 Storeroom Or Closet Lockset	855.43	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2324	EA	Extra Heavy-Duty Cylindrical, F109 Entrance Lockset	855.43	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2325	EA	Extra Heavy-Duty Cylindrical, F87 Utility Lockset	922.24	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2326	EA	Extra Heavy-Duty Cylindrical Full Dummy Trim Lockset	632.80	35.71
		Note: Satin chrome plated US26D (BHMA 626) - BHMA 156.2-1989, Grade 1(Corbin Russwin CL 3300).		
08 71 11 00-2327		**Hospital Locksets** *(08 71 11 00-2296)*		
		Note: Satin chrome plated US 26D. (BHMA 626) - BHMA 156.2-1989 Grade 1.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2328	EA	Push/Pull Hospital Latch (Glynn Johnson HL6)	657.92	35.71
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*119.89*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*119.89*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*81.83*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*72.31*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*110.37*	
08 71 11 00-2329	EA	Push/Pull With Thumbturn Hospital Latch (Glynn Johnson PL7 / PL8)	744.18	35.71
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*119.89*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*119.89*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*81.83*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*72.31*	
		For Bright Chrome Plated US26 (BHMA 625) Finish, Add	*110.37*	

08 71 11 00-2330 Other Locks *(08 71 11 00-2280)*

Note: BHMA A156.5.

08 71 11 00-2331	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,180.69	185.68
08 71 11 00-2332	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,672.39	371.37
08 71 11 00-2333	EA	Combination Lock, Security, CD-X09	4,212.68	107.74
08 71 11 00-2334	EA	Norden Box Lock	815.46	62.85
08 71 11 00-2335	EA	One Sided Deadbolt For Restroom Or Public Toilet Note: No exterior plate.	120.00	
08 71 11 00-2336	EA	Firehose Extinguisher Cabinet Lock	107.04	
08 71 11 00-2337	EA	Single Door Magnetic Locking Device, Aluminum Finish, Time Delay (ROFU 8011-LC-TD-US28)	1,177.21	89.98
08 71 11 00-2338	EA	Single Door Magnetic Locking Device, Brown Finish (ROFU 8011-LC-US40)	1,048.26	89.98
08 71 11 00-2339	EA	Single Door Magnetic Locking Device, Aluminum Finish (ROFU 8011-LC-US28)	1,048.26	89.98
08 71 11 00-2340	EA	12 Volt Delayed Egress System: (1) 1,500 Lb. Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-12)	2,120.96	114.27
08 71 11 00-2341	EA	24 Volt Delayed Egress System: (1) 1,500 Lb. Holding Force Magnetic Lock, (1) Microswitch Bar, (1) Stainless Door Cord For Wires To Bar (ROFU 8011-004-24)	2,215.20	114.27
08 71 11 00-2342	EA	1,200 Lb. Electromagnetic Lock With Infrared Remote Release (PowerMag RRPM1200PAK)	1,159.98	89.98
08 71 11 00-2343	EA	Surface Mounted Aluminum Storefront Door Closer (Norton 1601BF AL)	403.87	41.42
08 71 11 00-2344	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8301-689)	571.79	41.42
08 71 11 00-2345	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8301-689)	780.69	41.42
08 71 11 00-2346	EA	Surface Mounted Door Closer, Aluminum Finish (Norton 8501-689)	472.96	41.42
08 71 11 00-2347	EA	Surface Mounted Multi-Size Unitrol Door Closer, Aluminum Finish (Norton UNI8501-689)	745.88	41.42
08 71 11 00-2348	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Full Metal Cover (Norton 8501M-689)	502.72	41.42
08 71 11 00-2349	EA	Surface Mounted High Security Door Closer, Aluminum Finish With Architectural Plastic Cover (Norton 8501A-689)	668.53	41.42
08 71 11 00-2350	EA	12 Button Industrial Electronic Cylindrical Lock With Key Override (Alarm Lock DL3000IC26D)	1,905.22	89.78
08 71 11 00-2351	EA	12 Button Industrial Electronic Cylindrical Lock With HID Proximity Cards, Key Override (Alarm Lock PDL3000IC26D)	2,567.82	89.78
08 71 11 00-2352	EA	12 Button Industrial Electronic Mortise Lock With Key Override (Alarm Lock DL3500CRL26D)	2,144.58	89.78
08 71 11 00-2353	EA	3' General Security Chain With Green Vinyl Sleeve (Master Lock 73D)	12.30	
08 71 11 00-2354	EA	6' General Security Chain With Smoke Gray Vinyl Sleeve (Master Lock 74D)	24.10	
08 71 11 00-2355	EA	Resettable Combination Lock With 1" Hardened Steel Shackle (Master Lock 175D)	42.01	
08 71 11 00-2356	EA	2-1/8" Shrouded Iron Padlock (Master Lock 6521WO)	48.73	
08 71 11 00-2357	EA	2-5/8" Shrouded Iron Padlock (Master Lock 6527WO)	68.07	
08 71 11 00-2358	EA	1 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W1)	104.13	
08 71 11 00-2359	EA	15 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W15)	143.41	
08 71 11 00-2360	EA	27 "0" Bitted Cylinder For Rekeyable Padlocks (Master Lock 295KZ W27)	153.33	
08 71 11 00-2361	EA	Pin Tumbler Padlock, Red (American Lock A1105RED KD)	25.42	
08 71 11 00-2362	EA	Pin Tumbler Padlock, Red (American Lock A1106RED KD)	25.17	
08 71 11 00-2363	EA	6 Volt Battery (Alarm Lock BP6)	83.80	
08 71 11 00-2364	EA	6 Volt Battery (Alarm Lock S6061)	105.99	
08 71 11 00-2365	EA	6 Volt Battery (Alarm Lock S6065)	108.47	
08 71 11 00-2366	EA	Surface Mounted Door Alarm (Alarm Lock PG21MS)	551.87	71.83
08 71 11 00-2367	EA	Alarm Lock Keypad (Alarm Lock DK3000 26D)	880.18	71.83
08 71 11 00-2368	EA	Removal And Replacement Of 2-3/8" Deadbolt (Lori Lock 4510 26D5001)	72.68	

08 71 11 00-2369 Pushbutton Combination Locks *(08 71 11 00-2280)*

08 71 11 00-2370 Mechanical Pushbutton Combination Locks *(08 71 11 00-2369)*

Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.

08 71 11 00-2371 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series) *(08 71 11 00-2370)*

Note: Satin chrome or antique brass finish.

08 71 11 00-2372	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	948.74	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2373	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	1,018.10	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2374	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	1,045.84	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2375	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	1,115.21	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2376	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	1,066.65	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2377	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	1,136.02	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2378	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	1,163.76	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	
08 71 11 00-2379	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,233.12	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
		For Fire Rated, Add	*69.24*	

08 71 11 00-2380 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)

(08 71 11 00-2370)

Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.

08 71 11 00-2381	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,050.01	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2382	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,105.50	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2383	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,216.48	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2384	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,258.09	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2385	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,258.09	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2386	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,188.73	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*50.61*	

08 71 11 00-2387 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)

(08 71 11 00-2370)

Note: Satin chrome or antique brass finish.

08 71 11 00-2388	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,267.81	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	
08 71 11 00-2389	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,309.42	89.78
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*50.61*	

08 71 11 00-2390 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 11 00-2370)

Note: Satin stainless, bright brass or antique brass finish.

08 71 11 00-2391	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	550.59	89.78
		For Schlage Core, Add	*50.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2392	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	733.71	89.78
		For Schlage Core, Add	*50.61*	

08 71 11 00-2393 Electrical Pushbutton Combination Locks *(08 71 11 00-2369)*

Note: Privacy option limits access to privileged users (master codes).

08 71 11 00-2394 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 11 00-2395	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	983.42	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2396	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,149.89	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2397	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,191.51	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2398	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,122.14	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2399	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,052.78	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2400	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,191.51	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2401	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,219.25	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2402	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,260.87	89.78
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2403	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,191.51	89.78
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2404 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2405	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,260.87	89.78
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2406	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,260.87	89.78
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2407 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2408	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,475.89	89.78
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2409	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,475.89	89.78
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2410 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2411	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,586.88	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2412	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,725.60	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2413	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,753.35	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2414	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,794.96	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2415	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,725.60	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2416 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2417	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,245.82	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2418	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,384.55	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2419	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,412.29	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2420	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,453.91	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2421	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,384.55	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*109.87*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2422 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2423	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	3,189.16	89.78
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	

08 71 11 00-2424 Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2425	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	2,003.05	89.78
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 11 00-2426 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 11 00-2393)*

08 71 11 00-2427	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	980.95
08 71 11 00-2428	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,258.40
08 71 11 00-2429	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,674.58
08 71 11 00-2430	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	497.40
08 71 11 00-2431	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series)	152.44
		Note: Includes 4 C-cell battery pack.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2432	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	181.57	

08 71 11 00-2433 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2434	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,226.19	89.78
		For Owner Furnished Material, Deduct	*-867.04*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2435	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,392.66	89.78
		For Owner Furnished Material, Deduct	*-1,033.51*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2436	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,434.28	89.78
		For Owner Furnished Material, Deduct	*-1,075.13*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2437	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,364.91	89.78
		For Owner Furnished Material, Deduct	*-1,005.76*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2438	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,295.55	89.78
		For Owner Furnished Material, Deduct	*-936.40*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2439	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,434.28	89.78
		For Owner Furnished Material, Deduct	*-1,075.13*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2440	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,462.02	89.78
		For Owner Furnished Material, Deduct	*-1,102.87*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2441	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,503.64	89.78
		For Owner Furnished Material, Deduct	*-1,144.49*	
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2442	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,434.28	89.78
		For Owner Furnished Material, Deduct	*-1,075.13*	
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2443 Electrical Pushbutton Combination Locks (Schlage) *(08 71 11 00-2393)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2444	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,135.45	89.27
		For Owner Furnished Material, Deduct	*-778.37*	
08 71 11 00-2445	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,310.19	89.27
		For Owner Furnished Material, Deduct	*-953.11*	
08 71 11 00-2446	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,474.71	89.27
		For Owner Furnished Material, Deduct	*-1,117.63*	
08 71 11 00-2447	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,917.22	89.27
		For Owner Furnished Material, Deduct	*-1,560.14*	
08 71 11 00-2448	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	2,093.09	89.27
		For Owner Furnished Material, Deduct	*-1,736.01*	
08 71 11 00-2449	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,299.60	89.27
		For Owner Furnished Material, Deduct	*-1,942.52*	
08 71 11 00-2450	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,115.79	89.27
		For Owner Furnished Material, Deduct	*-1,758.71*	

08 71 11 00-2451 Residential Locks And Latchsets *(08 71 11 00-2280)*

08 71 11 00-2452	PR	Screen Door - Hinges	39.98	12.36
08 71 11 00-2453	EA	Residential Entry Lockset With Knobs (Master Keyed)	103.26	21.55
08 71 11 00-2454	EA	Residential Privacy Lockset With Knobs	101.34	21.55
08 71 11 00-2455	EA	Residential Passage Lockset With Knobs	101.09	21.55
08 71 11 00-2456	EA	Residential Dummy Lockset With Knobs	80.65	17.96
08 71 11 00-2457	EA	Residential Entry Lockset With Levers (Master Keyed)	116.51	21.55
08 71 11 00-2458	EA	Residential Privacy Lockset With Levers	112.11	21.55
08 71 11 00-2459	EA	Residential Passage Lockset With Levers	108.93	21.55
08 71 11 00-2460	EA	Residential Dummy Lockset With Levers	82.17	17.96
08 71 11 00-2461	EA	Screen Door - Locking Handle	71.80	22.27
08 71 11 00-2462	EA	Screen Door - Closer	64.22	15.52

08 71 11 00-2463 Deadbolts *(08 71 11 00-2280)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2464		**Cylindrical Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2463)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2465	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	239.50	35.71
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2466	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	272.65	35.71
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2467		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 11 00-2463)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2468	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	216.79	35.71
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2469	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	253.01	35.71
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2470		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2463)* Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2471	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	309.82	35.71
08 71 11 00-2472	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	340.51	35.71
08 71 11 00-2473	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	303.68	35.71
08 71 11 00-2474		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2463)* Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2475	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	393.31	35.71
08 71 11 00-2476	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	443.65	35.71
08 71 11 00-2477	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	350.33	35.71
08 71 11 00-2478		**Surface Mounted Deadbolts** *(08 71 11 00-2463)*		
08 71 11 00-2479	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	167.33	35.71
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2480	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	189.51	35.71
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2481	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	207.15	35.71
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2482	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	229.33	35.71
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2483		**Surface Mounted Deadlatches** *(08 71 11 00-2280)*		
08 71 11 00-2484	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	169.07	35.71
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2485	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	207.23	35.71
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2486		**Electric Strikes** *(08 71 11 00-2280)*		
08 71 11 00-2487	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	418.67	71.41
08 71 11 00-2488	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	1,199.53	71.41
08 71 11 00-2489	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	1,146.69	71.41
08 71 11 00-2490	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	887.07	71.41
08 71 11 00-2491	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	1,205.16	71.41
08 71 11 00-2492	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	1,182.24	71.41
08 71 11 00-2493	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	1,288.02	71.41
08 71 11 00-2494	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	1,200.49	71.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2495	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	600.34	71.41
08 71 11 00-2496	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	738.72	71.41
08 71 11 00-2497	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	370.03	71.41
08 71 11 00-2498	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	370.03	71.41
08 71 11 00-2499	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	470.17	71.41
08 71 11 00-2500	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	824.36	71.41
08 71 11 00-2501	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	416.41	71.41
08 71 11 00-2502	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	758.94	71.41
08 71 11 00-2503	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500)	672.60	71.41
08 71 11 00-2504	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	801.00	94.27
08 71 11 00-2505	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	908.69	94.27
08 71 11 00-2506	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	801.57	94.27

08 71 11 00-2507 Electric Hardware *(08 71 11 00-2280)*

08 71 11 00-2508	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	226.33	
08 71 11 00-2509	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	262.32	
08 71 11 00-2510	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	139.42	35.71
08 71 11 00-2511	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	435.75	35.71
08 71 11 00-2512	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	755.87	35.71
08 71 11 00-2513	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,157.36	35.71
08 71 11 00-2514	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,278.73	35.71
08 71 11 00-2515	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,526.86	35.71
08 71 11 00-2516	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,851.68	35.71
08 71 11 00-2517	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	118.47	35.71
08 71 11 00-2518	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	120.94	35.71
08 71 11 00-2519	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	136.10	35.71
08 71 11 00-2520	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	139.11	35.71
08 71 11 00-2521	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	140.64	35.71
08 71 11 00-2522	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	149.34	35.71
08 71 11 00-2523	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	120.03	35.71
08 71 11 00-2524	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	132.19	35.71
08 71 11 00-2525	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	141.81	35.71
08 71 11 00-2526	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	158.45	35.71
08 71 11 00-2527	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	163.06	35.71
08 71 11 00-2528	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	135.23	35.71
08 71 11 00-2529	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	152.25	35.71
08 71 11 00-2530	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	94.80	35.71
08 71 11 00-2531	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	107.97	35.71
08 71 11 00-2532	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	114.93	35.71
08 71 11 00-2533	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	122.38	35.71
08 71 11 00-2534	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	161.16	35.71
08 71 11 00-2535	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	177.35	35.71
08 71 11 00-2536	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.18	35.71
08 71 11 00-2537	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	105.26	35.71
08 71 11 00-2538	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	120.37	35.71
08 71 11 00-2539	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	144.43	35.71
08 71 11 00-2540	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	165.94	35.71
08 71 11 00-2541	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	201.28	35.71
08 71 11 00-2542	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	108.64	35.71
08 71 11 00-2543	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	116.43	35.71
08 71 11 00-2544	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	790.57	35.71
08 71 11 00-2545	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	861.56	49.99

08 71 11 00-2546 Magnetic Locks *(08 71 11 00-2280)*

08 71 11 00-2547	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	936.61	171.40
08 71 11 00-2548	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	1,124.21	192.83
08 71 11 00-2549	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	1,096.46	171.40
08 71 11 00-2550	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,283.74	192.83
08 71 11 00-2551	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,147.34	185.68
08 71 11 00-2552	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,256.97	185.68
08 71 11 00-2553	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490)	1,342.32	185.68
08 71 11 00-2554	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,474.30	214.25
08 71 11 00-2555	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,620.04	214.25
08 71 11 00-2556	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,685.69	214.25
08 71 11 00-2557	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	504.73	71.41
08 71 11 00-2558	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	832.15	71.41
08 71 11 00-2559	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	1,002.32	71.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2560		**Occupancy Indicator Locks** *(08 71 11 00-2280)*		
08 71 11 00-2561	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571) Note: Standard finish is satin chrome	168.96	35.70
		For Bright Brass Finish, Add	*5.41*	
		For Oil Rubbed Bronze Finish, Add	*14.48*	
		For Aged Bronze Finish, Add	*5.41*	
		For Satin Nickel Finish, Add	*5.41*	
08 71 11 00-2562	EA	Occupancy Indicator Lock And Lever (Vizilok C3F) Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides	245.39	35.70
		For Oil Rubbed Bronze Finish, Add	*5.88*	
08 71 11 00-2563		**Door Coordinators** *(08 71 11)*		
08 71 11 00-2564	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	541.05	44.64
		For Anodized Aluminum Finish, Deduct	*-145.00*	
08 71 11 00-2565	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	568.00	46.42
		For Anodized Aluminum Finish, Deduct	*-152.93*	
08 71 11 00-2566	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	581.83	48.21
		For Anodized Aluminum Finish, Deduct	*-155.60*	
08 71 11 00-2567	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	607.00	49.99
		For Anodized Aluminum Finish, Deduct	*-162.81*	
08 71 11 00-2568	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	649.92	51.78
		For Anodized Aluminum Finish, Deduct	*-177.13*	
08 71 11 00-2569	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	129.13	14.29
		For Anodized Aluminum Finish, Deduct	*-28.80*	
08 71 11 00-2570	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	142.37	16.07
		For Anodized Aluminum Finish, Deduct	*-31.24*	
08 71 11 00-2571	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	163.29	17.86
		For Anodized Aluminum Finish, Deduct	*-36.75*	
08 71 11 00-2572	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	122.59	17.86
08 71 11 00-2573	EA	7" Projection COR Series Gravity Type Door Coordinator	181.38	26.78
		For Anodized Aluminum Finish, Deduct	*-29.70*	
08 71 11 00-2574	EA	9" Projection COR Series Gravity Type Door Coordinator	193.26	26.78
		For Anodized Aluminum Finish, Deduct	*-34.45*	
08 71 11 00-2575		**Removal And Reinstallation Of Door Hardware** *(08 71 11)* Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2576	EA	Removal And Reinstallation Of Door Lockset, Entrance	107.13	
08 71 11 00-2577	EA	Removal And Reinstallation Of Door Lockset, Mortise	171.39	
08 71 11 00-2578	EA	Removal And Reinstallation Of Deadbolt Lock	114.27	
08 71 11 00-2579	PR	Removal And Reinstallation Of Butts/Hinges	28.56	
08 71 11 00-2580	EA	Removal And Reinstallation Of Door Bumper	9.99	
08 71 11 00-2581	EA	Removal And Reinstallation Of Surface Mounted Panic Device	285.67	
08 71 11 00-2582	EA	Removal And Reinstallation Of Kick Plate	35.70	
08 71 11 00-2583	EA	Removal And Reinstallation Of Push Plate	28.56	
08 71 11 00-2584	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	142.84	
08 71 11 00-2585	EA	Removal And Reinstallation Of Door Handles	21.44	
08 71 11 00-2586		**Electromagnetic Door Release** *(08 71 11)*		
08 71 11 00-2587	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	691.09	89.98
08 71 11 00-2588	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	675.01	89.98
08 71 11 00-2589	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	756.08	89.98
08 71 11 00-2590	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,234.66	89.98
08 71 11 00-2591	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,191.99	89.98
08 71 11 00-2592	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,191.99	89.98
08 71 11 00-2593	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,087.61	89.98
08 71 11 00-2594	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,351.52	89.98
08 71 11 00-2595	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,292.29	89.98
08 71 11 00-2596	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,589.38	89.98
08 71 11 00-2597	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	771.34	89.98
08 71 11 00-2598	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	758.87	89.98
08 71 11 00-2599	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,148.65	89.98
08 71 11 00-2600	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	811.20	89.98
08 71 11 00-2601	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	811.20	89.98
08 71 11 00-2602	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	811.20	89.98

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,436.25	178.54
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,436.25	178.54

08 71 13 00-0004 Automatic Door Operators (Stanley) *(08 71 13)*

08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,279.36	178.54
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	276.65	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151)	968.53	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,341.62	142.84
08 71 13 00-0009	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	554.93	95.27
08 71 13 00-0010	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	346.06	37.63
08 71 13 00-0011	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	213.43	37.63
08 71 13 00-0012	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	341.51	37.63
08 71 13 00-0013	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,177.22	56.50

08 71 13 00-0014 Miscellaneous Devices *(08 71 13)*

08 71 13 00-0015	EA	Electric Power Transformer For Magnetic Monitor Switches (Von Duprin EPT-2)	671.91	53.56
08 71 13 00-0016	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	199.34	32.13
08 71 13 00-0017	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	253.36	32.13
08 71 13 00-0018	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	141.98	32.13

08 71 53 Security Door Hardware *(08 71)*

08 71 53 00-0001 Door Exit Alarm Hardware *(08 71 53)*

08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	420.58	53.56
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	578.99	53.56
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	488.25	53.56
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	628.35	53.56
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	731.32	71.41
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	129.69	71.41

08 72 Weatherstripping, Thresholds and Seals *(08 70)*

08 72 33 Weatherstripping and Seals *(08 72)*

08 72 33 00-0001 Weather-Stripping And Seals *(08 72 33)*

08 72 33 00-0002 Astragals *(08 72 33 00-0001)*

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

08 72 33 00-0003 Adhesive Backed Astragals *(08 72 33 00-0002)*

08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.14	1.08
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	5.68	1.08
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.46	1.08

08 72 33 00-0007 Overlapping Astragals *(08 72 33 00-0002)*

08 72 33 00-0008 Aluminum, Overlapping Astragals *(08 72 33 00-0007)*

08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	21.54	6.42
		For Color Anodized Finish, Add	*2.65*	

08 72 33 00-0010 Stainless Steel, Overlapping Astragals *(08 72 33 00-0007)*

08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	40.39	6.42

08 72 33 00-0012 "T" Astragals *(08 72 33 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0013		**Aluminum, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	15.08	6.42
		For Color Anodized Finish, Add	*0.83*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	18.18	6.42
		For Color Anodized Finish, Add	*1.10*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	18.67	6.42
		For Color Anodized Finish, Add	*2.09*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	31.95	6.42
		For Color Anodized Finish, Add	*6.74*	
08 72 33 00-0018		**Brass/Bronze, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	41.11	6.42
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0020		**Locking Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0021		**Outswing Locking Astragals** *(08 72 33 00-0020)*		
		Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022		**Aluminum, Outswing Locking Astragals** *(08 72 33 00-0021)*		
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	41.72	6.42
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*5.80*	
08 72 33 00-0024	LF	Locking Spring-Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	47.94	6.42
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*7.05*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	46.44	6.42
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.02*	
08 72 33 00-0026	LF	Locking Spring-Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	51.49	6.42
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.33*	
08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)*		
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	48.33	6.42
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	48.10	6.42
		Note: Includes kerf-in foam seal.		
08 72 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	28.68	6.42
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.20*	
08 72 33 00-0033	LF	Locking Spring-Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	33.88	6.42
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*4.24*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	30.65	6.42
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.59*	
08 72 33 00-0035	LF	Locking Spring-Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	35.80	6.42
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.62*	
08 72 33 00-0036		**Security Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	26.95	6.42
		For Color Anodized Finish, Add	*14.25*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	43.32	6.42
08 72 33 00-0039		**Meeting Stile Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0040		**One Piece, Meeting Stile Astragals** *(08 72 33 00-0039)*		
		Note: Includes an astragal for one door only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	18.00	6.42
		For Color Anodized Finish, Add	*1.59*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	27.91	9.57
		For Color Anodized Finish, Add	*3.54*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	35.60	9.57
		For Color Anodized Finish, Add	*1.65*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	36.58	9.57
		For Color Anodized Finish, Add	*4.38*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	31.88	9.57
08 72 33 00-0046		**Two Piece, Meeting Stile Split Astragals** *(08 72 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	23.14	9.57
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	23.14	9.57
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	23.14	9.57
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*4.07*	
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	33.92	9.57
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.97*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	28.61	9.57
		For Color Anodized Finish, Add	*3.82*	
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	29.32	9.57
		For Color Anodized Finish, Add	*4.10*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	34.62	9.57
		For Color Anodized Finish, Add	*7.78*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	35.33	9.57
		For Color Anodized Finish, Add	*6.50*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	36.04	9.57
		For Color Anodized Finish, Add	*6.79*	
08 72 33 00-0056		**Two Piece, Adjustable Meeting Stile Split Astragals** *(08 72 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0057		**Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0056)*		
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	61.14	9.57
		For Color Anodized Finish, Add	*10.52*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	62.25	9.57
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*8.64*	
08 72 33 00-0060		**Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0056)*		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	115.29	9.57
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	108.56	9.57
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0063		**Door Sweeps** *(08 72 33 00-0001)*		
08 72 33 00-0064		**Tack On Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	8.38	3.57
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	8.49	3.57
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	8.80	3.57
08 72 33 00-0068		**Aluminum Retainer Door Sweeps** *(08 72 33 00-0063)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0069		**35 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	19.41	7.14
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	19.94	7.14
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0072		**45 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	28.42	7.14
		For Color Anodized Finish, Add	*5.66*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	30.54	7.14
		For Color Anodized Finish, Add	*6.50*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	35.14	7.14
		For Color Anodized Finish, Add	*8.34*	
08 72 33 00-0076		**90 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	21.17	7.14
		For Color Anodized Finish, Add	*0.69*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	21.00	7.14
		For Color Anodized Finish, Add	*0.67*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	22.23	7.14
		For Color Anodized Finish, Add	*2.78*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	22.76	7.14
		For Color Anodized Finish, Add	*3.39*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	20.64	7.14
		For Color Anodized Finish, Add	*1.59*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	25.59	7.14
		For Color Anodized Finish, Add	*2.26*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	21.70	7.14
		For Color Anodized Finish, Add	*1.48*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	17.06	7.14
		For Color Anodized Finish, Add	*1.39*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	17.20	7.14
		For Color Anodized Finish, Add	*1.46*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	18.70	7.14
		For Color Anodized Finish, Add	*1.55*	
08 72 33 00-0087		**180 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088		**180 Degree, Aluminum Retainer Door Sweeps** *(08 72 33 00-0087)*		
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	19.05	7.14
		For Color Anodized Finish, Add	*1.91*	
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	19.41	7.14
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	22.23	7.14
		For Color Anodized Finish, Add	*2.78*	
08 72 33 00-0092		**180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps** *(08 72 33 00-0087)*		
08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	22.41	7.14
		For Color Anodized Finish, Add	*3.25*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	22.76	7.14
		For Color Anodized Finish, Add	*3.39*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	24.25	7.14
		For Color Anodized Finish, Add	*3.99*	
08 72 33 00-0096		**Mortised, Aluminum Retainer Door Sweeps** *(08 72 33 00-0068)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	17.46	7.14
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	17.46	7.14
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	17.64	7.14
08 72 33 00-0100		**Aluminum Retainer Door Sweeps With Rain Drip** *(08 72 33 00-0063)*		
08 72 33 00-0101		**90 Degree, Aluminum Retainer Door Sweeps With Rain Drip** *(08 72 33 00-0100)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	17.11	7.14
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	19.41	7.14
		For Color Anodized Finish, Add	*2.05*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	21.13	7.14
		For Color Anodized Finish, Add	*1.37*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	21.44	7.14
		For Color Anodized Finish, Add	*1.43*	
08 72 33 00-0106		**Brass/Bronze Retainer Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0107		**90 Degree, Brass/Bronze Retainer Door Sweeps** *(08 72 33 00-0106)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	24.88	7.14
08 72 33 00-0109		**Oak Retainer Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0110		**90 Degree, Oak Retainer Door Sweeps** *(08 72 33 00-0109)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	20.82	7.14
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	23.61	7.14
08 72 33 00-0113		**Door Shoes And Bottoms** *(08 72 33 00-0001)*		
08 72 33 00-0114		**Door Shoes** *(08 72 33 00-0113)*		
08 72 33 00-0115		**Aluminum Retainer Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0116		**Bottom Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	18.52	7.14
		For Color Anodized Finish, Add	*1.70*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	19.05	7.14
		For Color Anodized Finish, Add	*1.91*	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	24.18	7.14
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0120		**Side Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	20.82	7.14
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0122		**L Or U Shaped, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 211AV)	19.41	7.14
		For Color Anodized Finish, Add	*2.57*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 220AV)	20.47	7.14
		For Color Anodized Finish, Add	*2.48*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 217AV)	20.82	7.14
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe With Notched Vinyl Insert (Pemko 2113AV)	28.01	7.14
		For Color Anodized Finish, Add	*2.75*	
08 72 33 00-0127	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Notched Vinyl Insert (Pemko 2173AV)	28.36	7.14
		For Color Anodized Finish, Add	*2.82*	
08 72 33 00-0128	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 222AV)	20.70	7.14
08 72 33 00-0129	LF	1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 222APK)	22.61	7.14
08 72 33 00-0130	LF	1-3/4" Width x 3" Legs, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 221AV)	28.62	7.14
08 72 33 00-0131	LF	1-3/4" Width x 3" Legs, U-Shaped, Aluminum Retainer Door Shoe With Vinyl Insert (Pemko 221APK)	30.53	7.14
08 72 33 00-0132		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0133	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	19.76	7.14
		For Color Anodized Finish, Add	*2.74*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0134	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	20.82	7.14
		For Color Anodized Finish, Add	*2.62*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0135	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	21.00	7.14
		For Color Anodized Finish, Add	*2.69*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0136	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 2221AV)	21.52	7.14
08 72 33 00-0137	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 2221APK)	23.16	7.14
08 72 33 00-0138	LF	Vinyl Insert, 1-3/4" Width x 3" Legs, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 2211AV)	29.44	7.14
08 72 33 00-0139	LF	Vinyl Insert, 1-3/4" Width x 3" Legs, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 2211APK)	31.08	7.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0140		**Vinyl Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0141	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	23.22	7.14
08 72 33 00-0142	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	27.24	7.14
08 72 33 00-0143		**Door Bottoms** *(08 72 33 00-0113)*		
08 72 33 00-0144		**Automatic Door Bottoms** *(08 72 33 00-0143)*		
08 72 33 00-0145		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0144)*		
08 72 33 00-0146	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	37.56	7.14
		For Color Anodized Finish, Add	*4.66*	
08 72 33 00-0147	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	52.13	7.14
		For Color Anodized Finish, Add	*7.57*	
08 72 33 00-0148		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0149	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	15.30	5.71
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.06*	
08 72 33 00-0150	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	15.30	5.71
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.06*	
08 72 33 00-0151	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	20.55	5.71
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.50*	
08 72 33 00-0152	EA	For 20 Oz Copper Drip Cap For Exterior Door	71.88	
08 72 33 00-0153		**Perimeter Gasketing Weather-Strip** *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0154		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 72 33 00-0153)*		
08 72 33 00-0155	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.82	3.57
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0156	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.87	3.57
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0157	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	6.81	3.57
08 72 33 00-0158	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.20	3.57
08 72 33 00-0159	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	6.57	3.57
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0160	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.16	3.57
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0161	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	7.86	3.57
08 72 33 00-0162	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	7.33	3.57
08 72 33 00-0163		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 72 33 00-0153)*		
08 72 33 00-0164	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	4.39	3.57
08 72 33 00-0165	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	6.12	3.57
08 72 33 00-0166	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	4.81	3.57
08 72 33 00-0167	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	4.76	3.57
08 72 33 00-0168	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	5.94	3.57
08 72 33 00-0169		**Cushion/Spring Perimeter Gasketing Weather-Strip** *(08 72 33 00-0153)*		
08 72 33 00-0170		**Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0169)*		
08 72 33 00-0171	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	8.98	3.57
08 72 33 00-0172	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	8.98	3.57
08 72 33 00-0173	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	9.35	3.57
08 72 33 00-0174	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	9.42	3.57
08 72 33 00-0175		**Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0169)*		
08 72 33 00-0176	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	8.78	3.57
08 72 33 00-0177	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	9.35	3.57
08 72 33 00-0178	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	9.96	3.57
08 72 33 00-0179		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0153)*		
08 72 33 00-0180		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0179)*		
08 72 33 00-0181	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	9.17	3.57
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0182	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	9.17	3.57
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0183	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	9.17	3.57
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.03*	
08 72 33 00-0184	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	14.56	3.57
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.48*	
08 72 33 00-0185	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	14.92	3.57
		For Color Anodized Finish, Add	*3.89*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0186	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	14.92	3.57
		For Color Anodized Finish, Add	*2.72*	
08 72 33 00-0187		Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0188		Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0187)*		
08 72 33 00-0189	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	14.30	3.57
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0190		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0187)*		
08 72 33 00-0191	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	15.70	3.57
08 72 33 00-0192		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0153)*		
08 72 33 00-0193		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0192)*		
08 72 33 00-0194	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	18.17	3.57
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0195	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	28.05	3.57
08 72 33 00-0196		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0192)*		
08 72 33 00-0197		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0196)*		
08 72 33 00-0198	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	24.76	3.57
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0199		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0153)*		
08 72 33 00-0200	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	21.60	7.14
		For Color Anodized Finish, Add	*2.93*	
08 72 33 00-0201	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	22.22	7.14
		For Color Anodized Finish, Add	*3.18*	
08 72 33 00-0202		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0153)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0203	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	24.56	3.57
		For Color Anodized Finish, Add	*3.48*	
08 72 33 00-0204	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	25.80	3.57
		For Color Anodized Finish, Add	*3.73*	

08 72 43 Thresholds *(08 72)*

08 72 43 00-0001	Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.	
08 72 43 00-0002	Metal Thresholds *(08 72 43 00-0001)*	
08 72 43 00-0003	Saddle Thresholds *(08 72 43 00-0002)*	
08 72 43 00-0004	Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0005		**3/16" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	35.27	11.43
		For Color Anodized Finish, Add	*2.69*	
08 72 43 00-0007		**1/4" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	38.27	11.43
		For Color Anodized Finish, Add	*3.89*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	45.24	14.28
		For Color Anodized Finish, Add	*6.68*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	48.62	14.28
		For Color Anodized Finish, Add	*6.46*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	52.67	14.28
		For Color Anodized Finish, Add	*5.94*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	58.68	14.28
		For Color Anodized Finish, Add	*5.75*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	70.42	17.14
		For Color Anodized Finish, Add	*6.89*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	74.49	17.14
		For Color Anodized Finish, Add	*7.91*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	80.97	17.14
		For Color Anodized Finish, Add	*9.53*	
08 72 43 00-0016		**5/16" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	37.75	11.43
		For Color Anodized Finish, Add	*3.22*	
08 72 43 00-0018		**1/2" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	37.93	11.43
		For Color Anodized Finish, Add	*4.69*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	46.66	14.28
		For Color Anodized Finish, Add	*7.67*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	50.10	14.28
		For Color Anodized Finish, Add	*7.20*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	53.02	14.28
		For Color Anodized Finish, Add	*6.06*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	58.68	14.28
		For Color Anodized Finish, Add	*5.75*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	72.54	17.14
		For Color Anodized Finish, Add	*10.39*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	76.26	17.14
		For Color Anodized Finish, Add	*13.36*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	79.97	17.14
		For Color Anodized Finish, Add	*14.85*	
08 72 43 00-0027		**Brass/Bronze Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0028		**3/16" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	58.56	11.43
08 72 43 00-0030		**1/4" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	81.50	11.43
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	99.22	14.28
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	115.11	14.28
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	130.55	14.28
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	148.19	14.28
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	188.43	17.14
08 72 43 00-0037		**1/2" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	106.28	14.28
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	123.93	14.28
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	141.57	14.28
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	163.63	14.28
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	227.40	17.14
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	217.28	17.14
08 72 43 00-0044		**Stainless Steel Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0045		**1/2" Height, Stainless Steel Saddle Thresholds** *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	93.05	14.28
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	97.46	14.28
08 72 43 00-0048		**Half Saddle Thresholds** *(08 72 43 00-0002)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0049		**Aluminum Half Saddle Thresholds** *(08 72 43 00-0048)* Note: Includes mill finish.		
08 72 43 00-0050		**3/4" Height, Aluminum Half Saddle Thresholds** *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	53.43	14.28
		For Color Anodized Finish, Add	*7.09*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	66.28	14.28
		For Color Anodized Finish, Add	*3.06*	
08 72 43 00-0053		**Offset Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0054		**Aluminum Offset Saddle Thresholds** *(08 72 43 00-0053)* Note: Includes mill finish.		
08 72 43 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	53.55	14.28
		For Color Anodized Finish, Add	*8.93*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	58.15	14.28
		For Color Anodized Finish, Add	*7.86*	
08 72 43 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	53.55	14.28
		For Color Anodized Finish, Add	*8.93*	
08 72 43 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	59.91	14.28
		For Color Anodized Finish, Add	*8.47*	
08 72 43 00-0062		**Modular Ramp Thresholds** *(08 72 43 00-0001)* Note: Includes mill finish.		
08 72 43 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	54.16	14.28
		For Non-Slip Surfacing, Add	*76.83*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	66.48	15.71
		For Non-Slip Surfacing, Add	*98.20*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	83.41	17.85
		For Non-Slip Surfacing, Add	*133.59*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	103.82	18.56
		For Non-Slip Surfacing, Add	*180.06*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	119.97	19.99
		For Non-Slip Surfacing, Add	*239.97*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	147.20	22.13
		For Non-Slip Surfacing, Add	*267.64*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	163.97	24.27
		For Non-Slip Surfacing, Add	*300.09*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	173.89	25.70
		For Non-Slip Surfacing, Add	*306.23*	
08 72 43 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	88.30	17.85
		For Non-Slip Surfacing, Add	*142.02*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	102.36	18.56
		For Non-Slip Surfacing, Add	*176.12*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	127.06	21.42
		For Non-Slip Surfacing, Add	*218.97*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	148.07	22.85
		For Non-Slip Surfacing, Add	*266.19*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	169.02	24.27
		For Non-Slip Surfacing, Add	*313.22*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	184.34	25.70
		For Non-Slip Surfacing, Add	*345.64*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	223.52	27.13
		For Non-Slip Surfacing, Add	*440.10*	
08 72 43 00-0080		**7" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	101.41	19.28
		For Non-Slip Surfacing, Add	*175.98*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	118.33	21.42
		For Non-Slip Surfacing, Add	*211.37*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	140.16	22.85
		For Non-Slip Surfacing, Add	*255.07*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	156.32	24.27
		For Non-Slip Surfacing, Add	*290.98*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	182.12	25.70
		For Non-Slip Surfacing, Add	*339.87*	

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08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	197.45	27.13
		For Non-Slip Surfacing, Add	*372.32*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	226.39	28.55
		For Non-Slip Surfacing, Add	*423.18*	
08 72 43 00-0088		Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*		
08 72 43 00-0089		Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	225.70	17.85
		For Non-Slip Surfacing, Add	*22.80*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	342.06	17.85
		For Non-Slip Surfacing, Add	*36.76*	
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	671.53	24.99
		For Non-Slip Surfacing, Add	*74.59*	
08 72 43 00-0093		Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	225.70	17.85
		For Non-Slip Surfacing, Add	*22.80*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	342.06	17.85
		For Non-Slip Surfacing, Add	*36.76*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	671.53	24.99
		For Non-Slip Surfacing, Add	*74.59*	
08 72 43 00-0097		Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)* Note: Includes vinyl or pile seal.		
08 72 43 00-0098		Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)* Note: Includes mill finish.		
08 72 43 00-0099		Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0100		7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	62.74	14.28
		For Color Anodized Finish, Add	*9.46*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	53.73	14.28
		For Color Anodized Finish, Add	*9.02*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	68.40	14.28
		For Color Anodized Finish, Add	*11.45*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	70.87	14.28
		For Color Anodized Finish, Add	*12.31*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0105		1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	51.61	14.28
		For Color Anodized Finish, Add	*7.96*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	54.08	14.28
		For Color Anodized Finish, Add	*9.19*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0108		Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0109		7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*		
08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	56.73	14.28
		For Color Anodized Finish, Add	*8.41*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	59.03	14.28
		For Color Anodized Finish, Add	*9.33*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	62.39	14.28
		For Color Anodized Finish, Add	*9.34*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	66.19	14.28
		For Color Anodized Finish, Add	*10.67*	
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0114		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
08 72 43 00-0115		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0116		7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	142.46	14.28
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	133.63	14.28
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	183.04	14.28
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	165.93	14.28
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	140.52	14.28
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	151.53	15.71
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	157.62	15.71
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	190.53	15.71
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	177.33	16.42
		For Silicon Insert Seal (Thermoseal), Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)* Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	39.33	11.43
		For Color Anodized Finish, Add	*4.31*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	32.41	9.99
		For Color Anodized Finish, Add	*2.60*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	48.96	11.43
		For Color Anodized Finish, Add	*5.30*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	56.38	11.43
		For Color Anodized Finish, Add	*8.27*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	30.12	9.99
		For Color Anodized Finish, Add	*1.28*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	32.41	9.99
		For Color Anodized Finish, Add	*2.23*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	49.49	14.28
		For Color Anodized Finish, Add	*5.52*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	51.61	14.28
		For Color Anodized Finish, Add	*4.77*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	82.46	11.43
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	101.42	9.99
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	99.67	14.28
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	45.81	11.43
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	45.81	11.43
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	50.39	14.28
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	53.26	14.28
08 72 43 00-0158		Residential Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0159		Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	21.09	7.14
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	21.68	7.14
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	27.99	7.60
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	28.54	7.88
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	40.89	8.11
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	24.33	7.14
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	29.07	7.88
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	49.75	7.88
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	24.39	7.14
		For Color Anodized Finish, Add	*2.62*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	28.18	7.88
		For Color Anodized Finish, Add	*3.39*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	29.60	7.88
		For Color Anodized Finish, Add	*3.96*	
08 72 43 00-0173		Interlocking Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	49.08	8.11
		For Color Anodized Finish, Add	*8.64*	
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	34.01	7.60
		For Color Anodized Finish, Add	*4.51*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	31.54	7.88
		For Color Anodized Finish, Add	*5.92*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	36.00	8.11
		For Color Anodized Finish, Add	*4.72*	
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	38.83	8.11
		For Color Anodized Finish, Add	*9.28*	
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	101.88	8.11
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	79.25	7.88
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	104.09	8.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	144.37	8.34
08 72 43 00-0191		Residential Door Sills *(08 72 43 00-0001)*		
08 72 43 00-0192		Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	30.34	8.11
		For Color Anodized Finish, Add	*5.04*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	32.31	8.34
		For Color Anodized Finish, Add	*4.58*	
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	41.14	8.11
		For Color Anodized Finish, Add	*7.30*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	42.24	8.34
		For Color Anodized Finish, Add	*7.49*	
08 72 43 00-0198		Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	41.41	7.88
		For Color Anodized Finish, Add	*7.60*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	41.99	8.11
		For Color Anodized Finish, Add	*5.43*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	43.74	8.34
		For Color Anodized Finish, Add	*5.72*	
08 72 43 00-0202		Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	18.70	7.14
		For Color Anodized Finish, Add	*3.09*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	20.11	7.14
		For Color Anodized Finish, Add	*2.92*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	21.53	7.14
		For Color Anodized Finish, Add	*1.81*	
08 72 43 00-0206		Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	22.01	8.75
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	23.89	8.75
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	26.41	8.75
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	32.12	8.75
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	38.77	8.75
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	98.46	11.85

08 75 Window Hardware *(08 70)*

08 75 13 Automatic Window Equipment *(08 75)*

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	2,376.98	304.24

08 78 Special Function Hardware *(08 70)*

08 78 00 00-0001		Special Function Hardware *(08 78)*		
08 78 00 00-0002	EA	4" x 16" Plate With Wrist Operable Door Handle (Fulkerson SanitGrasp®)	235.85	8.93
08 78 00 00-0003	EA	Door Foot Opener (Toepener™)	120.41	8.93
08 78 00 00-0004		Pad Locks *(08 78)*		
08 78 00 00-0005	EA	Combination Padlock	21.85	7.14
08 78 00 00-0006	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	41.21	7.14
08 78 00 00-0007	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	38.59	7.14
08 78 00 00-0008	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	41.84	7.14
08 78 00 00-0009	EA	Commercial U-Bar Lock	49.36	7.14
08 78 00 00-0010	EA	Weather Tough Padlocks Keyed Alike	42.49	7.14
08 78 00 00-0011	EA	High Security Padlocks	39.02	7.14
08 78 00 00-0012	EA	Standard Key, Medium Security Padlock Keyed Alike	23.76	7.14

08 79 Hardware Accessories *(08 70)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 79 13 Key Storage Equipment *(08 79)*

08 79 13 00-0001 Key Cabinet *(08 79 13)*

08 79 13 00-0002 Key Cabinets *(08 79 13 00-0001)*

08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	563.99	25.70
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	761.22	28.55
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,708.01	42.84
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	4,401.55	57.12
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	4,696.48	37.84
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	10,608.78	28.55
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	237.22	11.43
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	338.19	14.28

08 79 13 00-0011 Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*

08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	323.91	21.43
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	366.78	21.43
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	72.84	
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	164.26	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	8.86
		For Tinted Glass, Add	*2.22*
		For Reflective Coated Glass, Add	*3.99*
		For Low-E Coated Glass, Add	*2.22*
		For >50 To 200, Deduct	*-0.27*
		For >200 To 400, Deduct	*-0.53*
		For >400, Deduct	*-0.80*
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	9.50
		For Low-E Coated Glass, Add	*2.38*
		For Tinted Glass, Add	*2.38*
		For Reflective Coated Glass, Add	*4.28*
		For >50 To 200, Deduct	*-0.29*
		For >200 To 400, Deduct	*-0.57*
		For >400, Deduct	*-0.86*
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	11.52
		For Tinted Glass, Add	*2.88*
		For Reflective Coated Glass, Add	*5.18*
		For Low-E Coated Glass, Add	*2.88*
		For >50 To 200, Deduct	*-0.35*
		For >200 To 400, Deduct	*-0.69*
		For >400, Deduct	*-1.04*
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	19.16
		For Reflective Coated Glass, Add	*8.62*
		For Low-E Coated Glass, Add	*4.79*
		For Tinted Glass, Add	*4.79*
		For >50 To 200, Deduct	*-0.57*
		For >200 To 400, Deduct	*-1.15*
		For >400, Deduct	*-1.72*
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	27.87
		For Low-E Coated Glass, Add	*6.97*
		For Reflective Coated Glass, Add	*12.54*
		For Tinted Glass, Add	*6.97*
		For >50 To 200, Deduct	*-0.84*
		For >200 To 400, Deduct	*-1.67*
		For >400, Deduct	*-2.51*
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	30.63
		For Low-E Coated Glass, Add	*7.66*
		For Reflective Coated Glass, Add	*13.78*
		For Tinted Glass, Add	*7.66*
		For >50 To 200, Deduct	*-0.92*
		For >200 To 400, Deduct	*-1.84*
		For >400, Deduct	*-2.76*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	36.64	
		For Tinted Glass, Add	*9.16*	
		For Reflective Coated Glass, Add	*16.49*	
		For Low-E Coated Glass, Add	*9.16*	
		For >50 To 200, Deduct	*-1.10*	
		For >200 To 400, Deduct	*-2.20*	
		For >400, Deduct	*-3.30*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	45.25	
		For Reflective Coated Glass, Add	*20.36*	
		For Low-E Coated Glass, Add	*11.31*	
		For Tinted Glass, Add	*11.31*	
		For >50 To 200, Deduct	*-1.36*	
		For >200 To 400, Deduct	*-2.72*	
		For >400, Deduct	*-4.07*	

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.19	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.79*	
		For >400, Deduct	*-1.19*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	14.10	
		For Low-E Coated Glass, Add	*3.53*	
		For Tinted Glass, Add	*3.53*	
		For Reflective Coated Glass, Add	*6.35*	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	17.15	
		For Tinted Glass, Add	*4.29*	
		For Reflective Coated Glass, Add	*7.72*	
		For Low-E Coated Glass, Add	*4.29*	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.03*	
		For >400, Deduct	*-1.54*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.56	
		For Reflective Coated Glass, Add	*12.85*	
		For Low-E Coated Glass, Add	*7.14*	
		For Tinted Glass, Add	*7.14*	
		For >50 To 200, Deduct	*-0.86*	
		For >200 To 400, Deduct	*-1.71*	
		For >400, Deduct	*-2.57*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	41.50	
		For Low-E Coated Glass, Add	*10.38*	
		For Reflective Coated Glass, Add	*18.68*	
		For Tinted Glass, Add	*10.38*	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.49*	
		For >400, Deduct	*-3.74*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	45.58	
		For Low-E Coated Glass, Add	*11.40*	
		For Reflective Coated Glass, Add	*20.51*	
		For Tinted Glass, Add	*11.40*	
		For >50 To 200, Deduct	*-1.37*	
		For >200 To 400, Deduct	*-2.73*	
		For >400, Deduct	*-4.10*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	54.53	
		For Tinted Glass, Add	*13.63*	
		For Reflective Coated Glass, Add	*24.54*	
		For Low-E Coated Glass, Add	*13.63*	
		For >50 To 200, Deduct	*-1.64*	
		For >200 To 400, Deduct	*-3.27*	
		For >400, Deduct	*-4.91*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	67.37	
		For Reflective Coated Glass, Add	*30.32*	
		For Low-E Coated Glass, Add	*16.84*	
		For Tinted Glass, Add	*16.84*	
		For >50 To 200, Deduct	*-2.02*	
		For >200 To 400, Deduct	*-4.04*	
		For >400, Deduct	*-6.06*	

08 81 23 13-0021 Patterned Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0022 Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	72.10	

08 81 23 13-0024 Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.80	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.80	
08 81 23 13-0027		Wired Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0028		Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	113.37	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	113.37	
08 81 23 13-0031		Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	123.93	
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	57.32	
		For >50 To 200, Deduct	*-1.72*	
		For >200 To 400, Deduct	*-3.44*	
		For >400, Deduct	*-5.16*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	75.20	
		For >50 To 200, Deduct	*-2.26*	
		For >200 To 400, Deduct	*-4.51*	
		For >400, Deduct	*-6.77*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	95.06	
		For >50 To 200, Deduct	*-2.85*	
		For >200 To 400, Deduct	*-5.70*	
		For >400, Deduct	*-8.56*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	142.10	
		For >50 To 200, Deduct	*-4.26*	
		For >200 To 400, Deduct	*-8.53*	
		For >400, Deduct	*-12.79*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	54.41	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	108.33	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	167.43	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	221.59	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	36.98	
		For One Piece Heat Strengthened Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*7.40*	
		For Reflective Coated Glass, Add	*11.09*	
		For One Piece Fully Tempered Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Low-E Coated Glass, Add	*9.25*	
		For >50 To 200, Deduct	*-1.11*	
		For >200 To 400, Deduct	*-2.22*	
		For >400, Deduct	*-3.33*	
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	46.16	
		For Reflective Coated Glass, Add	*13.85*	
		For Low-E Coated Glass, Add	*11.54*	
		For One Piece Heat Strengthened Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*9.23*	
		For >50 To 200, Deduct	*-1.38*	
		For >200 To 400, Deduct	*-2.77*	
		For >400, Deduct	*-4.15*	
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	53.32	
		For Reflective Coated Glass, Add	*16.00*	
		For One Piece Fully Tempered Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*10.66*	
		For Low-E Coated Glass, Add	*13.33*	
		For >50 To 200, Deduct	*-1.60*	
		For >200 To 400, Deduct	*-3.20*	
		For >400, Deduct	*-4.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 3/16" air space.	22.12	
		For Argon Gas, Add	*3.04*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.42*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.42*	
		For Tinted Glass, Add	*3.32*	
		For Low-E Coated Glass, Add	*5.53*	
		For Reflective Coated Glass, Add	*6.64*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*9.40*	
		For >50 To 200, Deduct	*-0.66*	
		For >200 To 400, Deduct	*-1.33*	
		For >400, Deduct	*-1.99*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	24.16	
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.83*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.83*	
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.27*	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/16" air space.	24.21	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.84*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.84*	
		For Tinted Glass, Add	*3.63*	
		For Low-E Coated Glass, Add	*6.05*	
		For Argon Gas, Add	*3.33*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.29*	
		For Reflective Coated Glass, Add	*7.26*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.18*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	22.77	
		For Argon Gas, Add	*3.13*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.55*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.55*	
		For Tinted Glass, Add	*3.42*	
		For Low-E Coated Glass, Add	*5.69*	
		For Reflective Coated Glass, Add	*6.83*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*9.68*	
		For >50 To 200, Deduct	*-0.68*	
		For >200 To 400, Deduct	*-1.37*	
		For >400, Deduct	*-2.05*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	24.16	
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.83*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*4.83*	
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.27*	
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: Two 3/16" lites with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass	27.94	
		Note: Two 1/4" lites with 1/4" air space.		
		For One Piece Obscure Glass, Add	*11.87*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.38*	
		For Low-E Coated Glass, Add	*6.99*	
		For Argon Gas, Add	*3.84*	
		For Tinted Glass, Add	*4.19*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.51*	

08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass	24.44	
		Note: Two 1/8" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-0.73*	
		For >200 To 400, Deduct	*-1.47*	
		For >400, Deduct	*-2.20*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass	25.61	
		Note: Two 3/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass	28.40	
		Note: Two 1/4" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass	32.08	
		Note: Two 5/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.81*	
		For One Piece Obscure Glass, Add	*13.63*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.41*	
		For Low-E Coated Glass, Add	*8.02*	
		For One Piece Fully Tempered Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.62*	
		For >50 To 200, Deduct	*-0.96*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-2.89*	
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass	25.61	
		Note: Two 1/8" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.54*	
		For >400, Deduct	*-2.30*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass	28.40	
		Note: Two 3/16" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass	28.40	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-0.85*	
		For >200 To 400, Deduct	*-1.70*	
		For >400, Deduct	*-2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	31.06	
		For One Piece Heat Strengthened Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*13.20*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.27*	
		For Low-E Coated Glass, Add	*7.77*	
		For One Piece Fully Tempered Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.32*	
		For >50 To 200, Deduct	*-0.93*	
		For >200 To 400, Deduct	*-1.86*	
		For >400, Deduct	*-2.80*	

08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*

08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	86.96	
		For Tinted Glass, Add	*13.04*	
		For Argon Gas, Add	*11.96*	
		For Low-E Coated Glass, Add	*21.74*	
		For Reflective Coated Glass, Add	*26.09*	
		For >50 To 200, Deduct	*-2.61*	
		For >200 To 400, Deduct	*-5.22*	
		For >400, Deduct	*-7.83*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	105.59	
		For Tinted Glass, Add	*15.84*	
		For Argon Gas, Add	*14.52*	
		For Low-E Coated Glass, Add	*26.40*	
		For Reflective Coated Glass, Add	*31.68*	
		For >50 To 200, Deduct	*-3.17*	
		For >200 To 400, Deduct	*-6.34*	
		For >400, Deduct	*-9.50*	
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	124.22	
		For Tinted Glass, Add	*18.63*	
		For Argon Gas, Add	*17.08*	
		For Low-E Coated Glass, Add	*31.06*	
		For Reflective Coated Glass, Add	*37.27*	
		For >50 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-7.45*	
		For >400, Deduct	*-11.18*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 23 23-0001 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Clear Float Field Installed Glass	23.49	
		For Tinted Glass, Add	*2.22*	
		For Reflective Coated Glass, Add	*3.99*	
		For Low-E Coated Glass, Add	*2.22*	
		For >50 To 200, Deduct	*-1.58*	
		For >200 To 400, Deduct	*-2.87*	
		For >400, Deduct	*-3.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.97*	
08 81 23 23-0004	SF	3/16" Thick, Clear Float Field Installed Glass	25.25	
		For Low-E Coated Glass, Add	*2.38*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.09*	
		For >400, Deduct	*-4.16*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.81*	
08 81 23 23-0005	SF	1/4" Thick, Clear Float Field Installed Glass	28.39	
		For Tinted Glass, Add	*2.88*	
		For Reflective Coated Glass, Add	*5.18*	
		For Low-E Coated Glass, Add	*2.88*	
		For >50 To 200, Deduct	*-1.86*	
		For >200 To 400, Deduct	*-3.39*	
		For >400, Deduct	*-4.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0006	SF	5/16" Thick, Clear Float Field Installed Glass	38.28	
		For Reflective Coated Glass, Add	*8.62*	
		For Low-E Coated Glass, Add	*4.79*	
		For Tinted Glass, Add	*4.79*	
		For >50 To 200, Deduct	*-2.30*	
		For >200 To 400, Deduct	*-4.21*	
		For >400, Deduct	*-5.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.34*	
08 81 23 23-0007	SF	3/8" Thick, Clear Float Field Installed Glass	49.24	
		For Low-E Coated Glass, Add	*6.97*	
		For Reflective Coated Glass, Add	*12.54*	
		For Tinted Glass, Add	*6.97*	
		For >50 To 200, Deduct	*-2.76*	
		For >200 To 400, Deduct	*-5.09*	
		For >400, Deduct	*-7.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.03*	
08 81 23 23-0008	SF	1/2" Thick, Clear Float Field Installed Glass	54.25	
		For Low-E Coated Glass, Add	*7.66*	
		For Reflective Coated Glass, Add	*13.78*	
		For Tinted Glass, Add	*7.66*	
		For >50 To 200, Deduct	*-3.04*	
		For >200 To 400, Deduct	*-5.62*	
		For >400, Deduct	*-7.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.72*	
08 81 23 23-0009	SF	5/8" Thick, Clear Float Field Installed Glass	65.88	
		For Tinted Glass, Add	*9.16*	
		For Reflective Coated Glass, Add	*16.49*	
		For Low-E Coated Glass, Add	*9.16*	
		For >50 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-6.88*	
		For >400, Deduct	*-9.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.93*	
08 81 23 23-0010	SF	3/4" Thick, Clear Float Field Installed Glass	80.12	
		For Reflective Coated Glass, Add	*20.36*	
		For Low-E Coated Glass, Add	*11.31*	
		For Tinted Glass, Add	*11.31*	
		For >50 To 200, Deduct	*-4.50*	
		For >200 To 400, Deduct	*-8.29*	
		For >400, Deduct	*-11.40*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.15*	

08 81 23 23-0011 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0013	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	27.82	
		For Tinted Glass, Add	*3.30*	
		For Reflective Coated Glass, Add	*5.94*	
		For Low-E Coated Glass, Add	*3.30*	
		For >50 To 200, Deduct	*-1.71*	
		For >200 To 400, Deduct	*-3.13*	
		For >400, Deduct	*-4.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.97*	
08 81 23 23-0014	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	29.85	
		For Low-E Coated Glass, Add	*3.53*	
		For Tinted Glass, Add	*3.53*	
		For Reflective Coated Glass, Add	*6.35*	
		For >50 To 200, Deduct	*-1.84*	
		For >200 To 400, Deduct	*-3.37*	
		For >400, Deduct	*-4.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.81*	
08 81 23 23-0015	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	34.02	
		For Tinted Glass, Add	*4.29*	
		For Reflective Coated Glass, Add	*7.72*	
		For Low-E Coated Glass, Add	*4.29*	
		For >50 To 200, Deduct	*-2.03*	
		For >200 To 400, Deduct	*-3.73*	
		For >400, Deduct	*-5.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0016	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	47.68	
		For Reflective Coated Glass, Add	*12.85*	
		For Low-E Coated Glass, Add	*7.14*	
		For Tinted Glass, Add	*7.14*	
		For >50 To 200, Deduct	*-2.58*	
		For >200 To 400, Deduct	*-4.77*	
		For >400, Deduct	*-6.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.34*	
08 81 23 23-0017	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	62.87	
		For Low-E Coated Glass, Add	*10.38*	
		For Reflective Coated Glass, Add	*18.68*	
		For Tinted Glass, Add	*10.38*	
		For >50 To 200, Deduct	*-3.17*	
		For >200 To 400, Deduct	*-5.91*	
		For >400, Deduct	*-8.22*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0018	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	69.20	
		For Low-E Coated Glass, Add	*11.40*	
		For Reflective Coated Glass, Add	*20.51*	
		For Tinted Glass, Add	*11.40*	
		For >50 To 200, Deduct	*-3.49*	
		For >200 To 400, Deduct	*-6.51*	
		For >400, Deduct	*-9.06*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.72*	
08 81 23 23-0019	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	83.77	
		For Tinted Glass, Add	*13.63*	
		For Reflective Coated Glass, Add	*24.54*	
		For Low-E Coated Glass, Add	*13.63*	
		For >50 To 200, Deduct	*-4.27*	
		For >200 To 400, Deduct	*-7.95*	
		For >400, Deduct	*-11.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.93*	
08 81 23 23-0020	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	102.24	
		For Reflective Coated Glass, Add	*30.32*	
		For Low-E Coated Glass, Add	*16.84*	
		For Tinted Glass, Add	*16.84*	
		For >50 To 200, Deduct	*-5.16*	
		For >200 To 400, Deduct	*-9.62*	
		For >400, Deduct	*-13.39*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.15*	
08 81 23 23-0021		Patterned Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0022		Rough Obscure Field Installed Glass *(08 81 23 23-0021)*		
		Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	88.97	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0024		Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*		
		Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	58.43	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.97*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	60.11	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.23*	
08 81 23 23-0027		Wired Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0028		Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*		
		Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	130.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	130.24	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0031		Polished, Wired Field Installed Glass *(08 81 23 23-0027)*		
08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	140.80	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0033		Frosted Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0034		Frosted Field Installed Glass *(08 81 23 23-0033)*		
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	71.95	
		For >50 To 200, Deduct	*-3.04*	
		For >200 To 400, Deduct	*-5.78*	
		For >400, Deduct	*-8.23*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.97*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	90.95	
		For >50 To 200, Deduct	*-3.67*	
		For >200 To 400, Deduct	*-7.03*	
		For >400, Deduct	*-10.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.81*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	111.93	
		For >50 To 200, Deduct	*-4.37*	
		For >200 To 400, Deduct	*-8.40*	
		For >400, Deduct	*-12.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	163.47	
		For >50 To 200, Deduct	*-6.19*	
		For >200 To 400, Deduct	*-11.95*	
		For >400, Deduct	*-17.28*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.03*	
08 81 23 23-0039		Fire Rated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0040		Fire Rated Field Installed Glass *(08 81 23 23-0039)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	71.28	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.50*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	125.20	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.50*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	184.30	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.50*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	238.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.50*	
08 81 23 23-0045		Laminated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	53.85	
		For One Piece Heat Strengthened Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*7.40*	
		For Reflective Coated Glass, Add	*11.09*	
		For One Piece Fully Tempered Glass, Add	*7.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Low-E Coated Glass, Add	*9.25*	
		For >50 To 200, Deduct	*-2.63*	
		For >200 To 400, Deduct	*-4.92*	
		For >400, Deduct	*-6.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	67.53	
		For Reflective Coated Glass, Add	*13.85*	
		For Low-E Coated Glass, Add	*11.54*	
		For One Piece Heat Strengthened Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*9.23*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*9.23*	
		For >50 To 200, Deduct	*-3.31*	
		For >200 To 400, Deduct	*-6.19*	
		For >400, Deduct	*-8.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.03*	
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	76.94	
		For Reflective Coated Glass, Add	*16.00*	
		For One Piece Fully Tempered Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*10.66*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*10.66*	
		For Low-E Coated Glass, Add	*13.33*	
		For >50 To 200, Deduct	*-3.73*	
		For >200 To 400, Deduct	*-6.98*	
		For >400, Deduct	*-9.76*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.72*	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	86.43	
		For Reflective Coated Glass, Add	*18.00*	
		For One Piece Fully Tempered Glass, Add	*12.00*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*12.00*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*12.00*	
		For Low-E Coated Glass, Add	*15.00*	
		For >50 To 200, Deduct	*-4.18*	
		For >200 To 400, Deduct	*-7.83*	
		For >400, Deduct	*-10.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.83*	
08 81 23 23-0051		Insulated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0052		Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	41.02	
		Note: Two 3/32" lites with 3/16" air space.		
		For Argon Gas, Add	*3.04*	
		For One Piece Fully Tempered Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.32*	
		For Low-E Coated Glass, Add	*5.53*	
		For Reflective Coated Glass, Add	*6.64*	
		For One Piece Obscure Glass, Add	*9.40*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-2.36*	
		For >200 To 400, Deduct	*-4.35*	
		For >400, Deduct	*-5.96*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	43.84	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-2.50*	
		For >200 To 400, Deduct	*-4.60*	
		For >400, Deduct	*-6.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.76*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	44.23	
		Note: Two 3/16" lites with 3/16" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.84*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.63*	
		For Low-E Coated Glass, Add	*6.05*	
		For Argon Gas, Add	*3.33*	
		For One Piece Obscure Glass, Add	*10.29*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.26*	
		For >50 To 200, Deduct	*-2.53*	
		For >200 To 400, Deduct	*-4.66*	
		For >400, Deduct	*-6.38*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.02*	

08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	42.01	
		Note: Two 3/32" lites with 1/4" air space.		
		For Argon Gas, Add	*3.13*	
		For One Piece Fully Tempered Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.55*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.42*	
		For Low-E Coated Glass, Add	*5.69*	
		For Reflective Coated Glass, Add	*6.83*	
		For One Piece Obscure Glass, Add	*9.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-2.41*	
		For >200 To 400, Deduct	*-4.44*	
		For >400, Deduct	*-6.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.43*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	43.84	
		Note: Two 1/8" lites with 1/4" air space.		
		For Argon Gas, Add	*3.32*	
		For One Piece Fully Tempered Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Heat Strengthened Glass, Add	*4.83*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.62*	
		For Low-E Coated Glass, Add	*6.04*	
		For Reflective Coated Glass, Add	*7.25*	
		For One Piece Obscure Glass, Add	*10.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-2.50*	
		For >200 To 400, Deduct	*-4.60*	
		For >400, Deduct	*-6.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.76*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	45.44	
		Note: Two 3/16" lites with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-2.62*	
		For >200 To 400, Deduct	*-4.83*	
		For >400, Deduct	*-6.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	45.44	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-2.62*	
		For >200 To 400, Deduct	*-4.83*	
		For >400, Deduct	*-6.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.75*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	50.85	
		Note: Two 1/4" lites with 1/4" air space.		
		For One Piece Obscure Glass, Add	*11.87*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.38*	
		For Low-E Coated Glass, Add	*6.99*	
		For Argon Gas, Add	*3.84*	
		For Tinted Glass, Add	*4.19*	
		For One Piece Heat Strengthened Glass, Add	*5.59*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For >50 To 200, Deduct	*-2.90*	
		For >200 To 400, Deduct	*-5.34*	
		For >400, Deduct	*-7.33*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.18*	
08 81 23 23-0063		3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	45.44	
		Note: Two 1/8" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.89*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.67*	
		For Low-E Coated Glass, Add	*6.11*	
		For Argon Gas, Add	*3.36*	
		For One Piece Obscure Glass, Add	*10.39*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.33*	
		For >50 To 200, Deduct	*-2.62*	
		For >200 To 400, Deduct	*-4.83*	
		For >400, Deduct	*-6.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.75*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	48.52	
		Note: Two 3/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.20*	
		For >400, Deduct	*-7.12*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.18*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	51.80	
		Note: Two 1/4" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-2.96*	
		For >200 To 400, Deduct	*-5.45*	
		For >400, Deduct	*-7.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass	55.70	
		Note: Two 5/16" lites with 3/8" air space.		
		For One Piece Heat Strengthened Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.81*	
		For One Piece Obscure Glass, Add	*13.63*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.41*	
		For Low-E Coated Glass, Add	*8.02*	
		For One Piece Fully Tempered Glass, Add	*6.42*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.62*	
		For >50 To 200, Deduct	*-3.09*	
		For >200 To 400, Deduct	*-5.70*	
		For >400, Deduct	*-7.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.72*	
08 81 23 23-0068		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass	48.52	
		Note: Two 1/8" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*3.84*	
		For Low-E Coated Glass, Add	*6.40*	
		For Argon Gas, Add	*3.52*	
		For One Piece Obscure Glass, Add	*10.88*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*7.68*	
		For >50 To 200, Deduct	*-2.83*	
		For >200 To 400, Deduct	*-5.20*	
		For >400, Deduct	*-7.12*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.18*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass	51.80	
		Note: Two 3/16" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-2.96*	
		For >200 To 400, Deduct	*-5.45*	
		For >400, Deduct	*-7.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.55*	
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass	51.80	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.68*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.26*	
		For Low-E Coated Glass, Add	*7.10*	
		For Argon Gas, Add	*3.91*	
		For One Piece Obscure Glass, Add	*12.07*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*8.52*	
		For >50 To 200, Deduct	*-2.96*	
		For >200 To 400, Deduct	*-5.45*	
		For >400, Deduct	*-7.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.55*	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass	54.68	
		Note: Two 1/4" lites with 1/2" air space.		
		For One Piece Heat Strengthened Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Tinted Glass, Add	*4.66*	
		For One Piece Obscure Glass, Add	*13.20*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.27*	
		For Low-E Coated Glass, Add	*7.77*	
		For One Piece Fully Tempered Glass, Add	*6.21*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Reflective Coated Glass, Add	*9.32*	
		For >50 To 200, Deduct	*-3.06*	
		For >200 To 400, Deduct	*-5.64*	
		For >400, Deduct	*-7.76*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.72*	
08 81 23 23-0073		Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass	110.58	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*13.04*	
		For Argon Gas, Add	*11.96*	
		For Low-E Coated Glass, Add	*21.74*	
		For Reflective Coated Glass, Add	*26.09*	
		For >50 To 200, Deduct	*-4.73*	
		For >200 To 400, Deduct	*-9.00*	
		For >400, Deduct	*-12.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.72*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass	132.59	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*15.84*	
		For Argon Gas, Add	*14.52*	
		For Low-E Coated Glass, Add	*26.40*	
		For Reflective Coated Glass, Add	*31.68*	
		For >50 To 200, Deduct	*-5.60*	
		For >200 To 400, Deduct	*-10.66*	
		For >400, Deduct	*-15.17*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.25*	
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass	155.15	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.		
		For Tinted Glass, Add	*18.63*	
		For Argon Gas, Add	*17.08*	
		For Low-E Coated Glass, Add	*31.06*	
		For Reflective Coated Glass, Add	*37.27*	
		For >50 To 200, Deduct	*-6.51*	
		For >200 To 400, Deduct	*-12.40*	
		For >400, Deduct	*-17.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*23.20*	

08 81 23 23-0077 Spandrel Field Installed Glass *(08 81 23 23)*

08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	42.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	37.55	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	

08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0081)*

Note: Also with aluminum foil vapor barrier.

08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	48.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	42.21	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	

08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*

08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	58.14	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	46.71	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	96.44	8.43
		For >50 To 200, Deduct	*-2.39*	
		For >200 To 400, Deduct	*-3.99*	
		For >400, Deduct	*-6.38*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	136.15	8.43
		For >50 To 200, Deduct	*-3.58*	
		For >200 To 400, Deduct	*-5.97*	
		For >400, Deduct	*-9.56*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0007	SF	1/8" Clear Mirror Glass	31.22	6.75
		For >50 To 200, Deduct	*-0.53*	
		For >200 To 400, Deduct	*-0.89*	
		For >400, Deduct	*-1.42*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	36.98	7.87
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.07*	
		For >400, Deduct	*-1.72*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	40.60	8.43
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.91*	

08 83 13 00-0010 Tempered, Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	52.51	6.75
		For >50 To 200, Deduct	*-1.17*	
		For >200 To 400, Deduct	*-1.95*	
		For >400, Deduct	*-3.12*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	59.58	7.87
		For >50 To 200, Deduct	*-1.32*	
		For >200 To 400, Deduct	*-2.20*	
		For >400, Deduct	*-3.53*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	65.80	8.43
		For >50 To 200, Deduct	*-1.47*	
		For >200 To 400, Deduct	*-2.46*	
		For >400, Deduct	*-3.93*	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	42.42	8.43
		For >50 To 200, Deduct	*-0.77*	
		For >200 To 400, Deduct	*-1.29*	
		For >400, Deduct	*-2.06*	

08 83 13 00-0016 Laminated Safety Mirror Glass *(08 83 13 00-0001)*

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	82.55	8.43
		For >50 To 200, Deduct	*-1.98*	
		For >200 To 400, Deduct	*-3.29*	
		For >400, Deduct	*-5.27*	

08 83 13 00-0018 Accessories For Mirror Glass *(08 83 13)*

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	5.55
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	5.66
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	7.14
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	9.22

08 84 Plastic Glazing *(08 80)*

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	19.09
		For >50 To 200, Deduct	*-0.42*
		For >200 To 400, Deduct	*-0.85*
		For >400, Deduct	*-1.27*
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.61*
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.11
		For >50 To 200, Deduct	*-0.45*
		For >200 To 400, Deduct	*-0.91*
		For >400, Deduct	*-1.36*
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.03*
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	23.78
		For >50 To 200, Deduct	*-0.62*
		For >200 To 400, Deduct	*-1.23*
		For >400, Deduct	*-1.85*
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.47*
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	33.91
		For >50 To 200, Deduct	*-1.11*
		For >200 To 400, Deduct	*-2.21*
		For >400, Deduct	*-3.32*
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.80*
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	42.70
		For >50 To 200, Deduct	*-1.50*
		For >200 To 400, Deduct	*-3.01*
		For >400, Deduct	*-4.51*
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	28.05	
		For >50 To 200, Deduct	*-0.87*	
		For >200 To 400, Deduct	*-1.74*	
		For >400, Deduct	*-2.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.61*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	32.49	
		For >50 To 200, Deduct	*-1.07*	
		For >200 To 400, Deduct	*-2.15*	
		For >400, Deduct	*-3.22*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.03*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	34.31	
		For >50 To 200, Deduct	*-1.14*	
		For >200 To 400, Deduct	*-2.28*	
		For >400, Deduct	*-3.43*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.47*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	55.91	
		For >50 To 200, Deduct	*-2.21*	
		For >200 To 400, Deduct	*-4.41*	
		For >400, Deduct	*-6.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.80*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	59.40	
		For >50 To 200, Deduct	*-2.34*	
		For >200 To 400, Deduct	*-4.68*	
		For >400, Deduct	*-7.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	14.15	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.13*	
		For Colored, Add	*0.80*	
		For Shatterproof, Add	*2.41*	
		For Mirrored, Add	*3.22*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	14.67	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.61*	
		For Colored, Add	*0.81*	
		For Shatterproof, Add	*2.44*	
		For Mirrored, Add	*3.25*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	17.37	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.03*	
		For Colored, Add	*1.27*	
		For Shatterproof, Add	*3.80*	
		For Mirrored, Add	*5.07*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	19.83	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.84*	
		For >400, Deduct	*-1.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.47*	
		For Colored, Add	*1.67*	
		For Shatterproof, Add	*5.02*	
		For Mirrored, Add	*6.69*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	20.29	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.88*	
		For >400, Deduct	*-1.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.53*	
		For Colored, Add	*1.75*	
		For Shatterproof, Add	*5.26*	
		For Mirrored, Add	*7.01*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	20.95	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.92*	
		For >400, Deduct	*-1.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.80*	
		For Colored, Add	*1.83*	
		For Shatterproof, Add	*5.49*	
		For Mirrored, Add	*7.32*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	24.75	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.21*	
		For >400, Deduct	*-1.82*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.65*	
		For Colored, Add	*2.42*	
		For Shatterproof, Add	*7.26*	
		For Mirrored, Add	*9.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	34.86	
		For >50 To 200, Deduct	*-0.94*	
		For >200 To 400, Deduct	*-1.89*	
		For >400, Deduct	*-2.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.01*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	46.39	
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.90*	
		For >400, Deduct	*-4.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.39*	

08 84 00 00-0023 Clear Polycarbonate Glazing (PolyGal) *(08 84)*

08 84 00 00-0024	SF	6mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	14.94	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.35*	
		For >400, Deduct	*-0.52*	
		For Colored, Add	*0.69*	
08 84 00 00-0025	SF	8mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	15.97	
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.44*	
		For >400, Deduct	*-0.67*	
		For Colored, Add	*0.89*	
08 84 00 00-0026	SF	10mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	16.93	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.51*	
		For >400, Deduct	*-0.77*	
		For Colored, Add	*1.03*	
08 84 00 00-0027	SF	16mm Thick, Clear Polycarbonate Multiwall Glazing (PolyGal)	20.81	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.82*	
		For >400, Deduct	*-1.22*	
		For Colored, Add	*1.63*	
08 84 00 00-0028	SF	8mm Thick, Polycoolite Polycarbonate Glazing (PolyGal)	17.66	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.92*	
		For Colored, Add	*1.23*	
08 84 00 00-0029	SF	8mm Thick, Polyshade Polycarbonate Glazing (PolyGal)	16.66	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.51*	
		For >400, Deduct	*-0.77*	
		For Colored, Add	*1.03*	
08 84 00 00-0030	SF	16mm Thick, Polyshade Polycarbonate Glazing (PolyGal)	24.65	
		For >50 To 200, Deduct	*-0.60*	
		For >200 To 400, Deduct	*-1.20*	
		For >400, Deduct	*-1.80*	
		For Colored, Add	*2.40*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	20.95	2.40
		For Bronze Anodized Aluminum, Add	*2.16*	
		For Stainless Steel, Add	*8.95*	
		For Black Anodized Finish, Add	*3.88*	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	25.45	2.99
		For Bronze Anodized Aluminum, Add	*2.74*	
		For Stainless Steel, Add	*11.32*	
		For Black Anodized Finish, Add	*4.93*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	30.22	2.40
		For Bronze Anodized Aluminum, Add	*3.27*	
		For Stainless Steel, Add	*13.52*	
		For Black Anodized Finish, Add	*5.89*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	36.87	3.59
		For Bronze Anodized Aluminum, Add	*3.91*	
		For Stainless Steel, Add	*16.19*	
		For Black Anodized Finish, Add	*7.04*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	36.71	2.99
		For Bronze Anodized Aluminum, Add	*4.16*	
		For Stainless Steel, Add	*17.09*	
		For Black Anodized Finish, Add	*7.49*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	45.10	3.59
		For Bronze Anodized Aluminum, Add	*4.97*	
		For Stainless Steel, Add	*20.47*	
		For Black Anodized Finish, Add	*8.94*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 13 00-0001		Window Tinting And Film *(08 87 13)* Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.		
08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	10.43	
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	10.43	
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	15.90	
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	16.40	
08 87 23		**Safety and Security Films** *(08 87)*		
08 87 23 16		**Security Films** *(08 87 23)* Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.		
08 87 23 16-0001		High Performance, Security And Safety Glazing Films *(08 87 23 16)* Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0002		Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*		
08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	16.13	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-1.03*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	17.09	
		For >1,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.12*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	20.55	
		For >1,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.47*	
08 87 23 16-0006		Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*		
08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	18.14	
		For >1,000 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.23*	
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	18.14	
		For >1,000 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.23*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	18.14	
		For >1,000 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.23*	
08 87 23 16-0010		Security And Safety Glazing Films *(08 87 23 16)* Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF	0.007" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	15.08	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-0.92*	
08 87 23 16-0012	SF	0.008" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	15.33	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-0.95*	
08 87 23 16-0013	SF	0.014" Clear, Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	17.73	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.19*	
08 87 23 16-0014		Anti-Graffiti Glazing Films *(08 87 23 16)* Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	15.08	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-0.92*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	15.33	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-0.95*	
08 88		**Special Function Glazing** *(08 80)*		
08 88 49		**Radiation-Resistant Glazing** *(08 88)*		
08 88 49 00-0001		Leaded Glass (X-Ray Shielding) *(08 88 49)*		
08 88 49 00-0002	SF	1/4" Thick Lead Glass With 1/16" Lead Equivalence	386.82	
08 88 49 00-0003	SF	1/4" Thick Lead Glass With 1/8" Lead Equivalence	576.37	
08 88 49 00-0004		Leaded Acrylic (X-Ray Shielding) *(08 88 49)*		
08 88 49 00-0005	SF	7mm Thick, 0.3mm LE, 2.3 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	517.83	6.75
08 88 49 00-0006	SF	12mm Thick, 0.5mm LE, 3.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	699.06	11.25
08 88 49 00-0007	SF	18mm Thick, 0.8mm LE, 5.9 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	777.95	16.87
08 88 49 00-0008	SF	22mm Thick, 1mm LE, 7.2 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	803.15	20.25
08 88 49 00-0009	SF	35mm Thick, 1.5mm LE, 11.5 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	919.03	32.06
08 88 49 00-0010	SF	46mm Thick, 2mm LE, 15 Lb./SF, X-Ray Viewing Panels, Clear Lead Plastic	1,211.03	42.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53		**Security Glazing** *(08 88)*		
08 88 53 00-0001		Forced Entry And/or Ballistic Resistant All Glass Laminate *(08 88 53)*		
08 88 53 00-0002		Ballistic Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	147.42	
		For Glass Removal And Preparing Opening For New Glazing, Add		*55.78*
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	173.75	
		For Glass Removal And Preparing Opening For New Glazing, Add		*55.78*
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	197.09	
		For Glass Removal And Preparing Opening For New Glazing, Add		*62.99*
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	219.07	
		For Glass Removal And Preparing Opening For New Glazing, Add		*62.99*
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	248.97	
		For Glass Removal And Preparing Opening For New Glazing, Add		*71.98*
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	266.64	
		For Glass Removal And Preparing Opening For New Glazing, Add		*71.98*
08 88 53 00-0009		Forced Entry Resistant Glass *(08 88 53 00-0001)*		
08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	54.84	
		For Glass Removal And Preparing Opening For New Glazing, Add		*14.06*
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	62.32	
		For Glass Removal And Preparing Opening For New Glazing, Add		*15.00*
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	71.15	
		For Glass Removal And Preparing Opening For New Glazing, Add		*16.07*
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	86.22	
		For Glass Removal And Preparing Opening For New Glazing, Add		*17.30*
08 88 53 00-0014		Glass Clad Polycarbonate *(08 88 53)*		
08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	216.52	
		For Glass Removal And Preparing Opening For New Glazing, Add		*68.38*
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	241.94	
		For Glass Removal And Preparing Opening For New Glazing, Add		*79.18*
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	309.89	
		For Glass Removal And Preparing Opening For New Glazing, Add		*89.98*
08 88 53 00-0018		Ballistic Resistant Acrylic *(08 88 53)*		
08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	230.14	
		For Glass Removal And Preparing Opening For New Glazing, Add		*68.38*
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	269.16	
		For Glass Removal And Preparing Opening For New Glazing, Add		*79.18*
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	350.74	
		For Glass Removal And Preparing Opening For New Glazing, Add		*89.98*
08 88 53 00-0022		Ballistic Resistant Fiberglass *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	91.08	
		For Glass Removal And Preparing Opening For New Glazing, Add		*34.20*
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	107.80	
		For Glass Removal And Preparing Opening For New Glazing, Add		*39.59*
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	122.27	
		For Glass Removal And Preparing Opening For New Glazing, Add		*44.99*
08 88 53 00-0026		Forced Entry And/or Ballistic Resistant Polycarbonate *(08 88 53)*		
08 88 53 00-0027		Forced Entry Resistant Monolithic Polycarbonate *(08 88 53 00-0026)* Note: (GE-Lexan MR10)		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	125.07	
		For Glass Removal And Preparing Opening For New Glazing, Add		*54.54*
08 88 53 00-0029		Forced Entry Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. (GE-Insulgard)		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	154.61	
		For Glass Removal And Preparing Opening For New Glazing, Add		*67.49*
08 88 53 00-0031		Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)* Note: (GE-Lexgard MPC-500)		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	191.38	
		For Glass Removal And Preparing Opening For New Glazing, Add		*71.98*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0033		**Fire Resistant, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. (GE-Firegard)		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	210.04	
		For Glass Removal And Preparing Opening For New Glazing, Add	*76.49*	
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. (GE-Insulgard)		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	179.72	
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.49*	
08 88 53 00-0037		**Ballistic And Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	415.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	*149.37*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	420.82	
		For Glass Removal And Preparing Opening For New Glazing, Add	*149.37*	
08 88 53 00-0040		**Ballistic Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)* Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	276.32	
		For Glass Removal And Preparing Opening For New Glazing, Add	*100.78*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 13 00-0001		**Motorized Wall Louver Actuator** *(08 91 13)* See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,978.80	113.27
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,036.41	113.27
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,129.55	113.27
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	8,337.41	113.27

08 91 16 Operable Wall Louvers *(08 91)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0001		**Adjustable Intake Wall Louvers** *(08 91 16)* See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	544.02	29.99
		For Flange Frame, Add	*48.41*	
		For Clear Lacquer Finish, Add	*96.81*	
		For Baked Enamel Standard Colors, Add	*145.22*	
		For Anodized Finish, Add	*193.62*	
		For Kynar® Standard Colors Finish, Add	*266.23*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	679.84	36.65
		For Flange Frame, Add	*60.65*	
		For Clear Lacquer Finish, Add	*121.31*	
		For Baked Enamel Standard Colors, Add	*181.96*	
		For Anodized Finish, Add	*242.62*	
		For Kynar® Standard Colors Finish, Add	*333.60*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	803.85	43.31
		For Flange Frame, Add	*71.72*	
		For Clear Lacquer Finish, Add	*143.45*	
		For Baked Enamel Standard Colors, Add	*215.17*	
		For Anodized Finish, Add	*286.90*	
		For Kynar® Standard Colors Finish, Add	*394.48*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	940.85	49.98
		For Flange Frame, Add	*84.09*	
		For Clear Lacquer Finish, Add	*168.18*	
		For Baked Enamel Standard Colors, Add	*252.27*	
		For Anodized Finish, Add	*336.36*	
		For Kynar® Standard Colors Finish, Add	*462.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,060.17	56.64
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,251.34	63.30
		For Flange Frame, Add	*112.47*	
		For Clear Lacquer Finish, Add	*224.95*	
		For Baked Enamel Standard Colors, Add	*337.42*	
		For Anodized Finish, Add	*449.90*	
		For Kynar® Standard Colors Finish, Add	*618.61*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,426.01	69.97
		For Flange Frame, Add	*128.61*	
		For Clear Lacquer Finish, Add	*257.22*	
		For Baked Enamel Standard Colors, Add	*385.83*	
		For Anodized Finish, Add	*514.44*	
		For Kynar® Standard Colors Finish, Add	*707.35*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,583.80	79.96
		For Flange Frame, Add	*142.39*	
		For Clear Lacquer Finish, Add	*284.78*	
		For Baked Enamel Standard Colors, Add	*427.17*	
		For Anodized Finish, Add	*569.56*	
		For Kynar® Standard Colors Finish, Add	*783.14*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,690.17	86.61
		For Flange Frame, Add	*151.69*	
		For Clear Lacquer Finish, Add	*303.39*	
		For Baked Enamel Standard Colors, Add	*455.08*	
		For Anodized Finish, Add	*606.77*	
		For Kynar® Standard Colors Finish, Add	*834.31*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,823.63	93.28
		For Flange Frame, Add	*163.71*	
		For Clear Lacquer Finish, Add	*327.41*	
		For Baked Enamel Standard Colors, Add	*491.12*	
		For Anodized Finish, Add	*654.82*	
		For Kynar® Standard Colors Finish, Add	*900.38*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,940.59	99.94
		For Flange Frame, Add	*174.07*	
		For Clear Lacquer Finish, Add	*348.14*	
		For Baked Enamel Standard Colors, Add	*522.21*	
		For Anodized Finish, Add	*696.28*	
		For Kynar® Standard Colors Finish, Add	*957.39*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,090.54	106.61
		For Flange Frame, Add	*187.73*	
		For Clear Lacquer Finish, Add	*375.46*	
		For Baked Enamel Standard Colors, Add	*563.20*	
		For Anodized Finish, Add	*750.93*	
		For Kynar® Standard Colors Finish, Add	*1,032.53*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,234.60	113.27
		For Flange Frame, Add	*200.81*	
		For Clear Lacquer Finish, Add	*401.61*	
		For Baked Enamel Standard Colors, Add	*602.42*	
		For Anodized Finish, Add	*803.22*	
		For Kynar® Standard Colors Finish, Add	*1,104.43*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,413.58	123.26
		For Flange Frame, Add	*216.70*	
		For Clear Lacquer Finish, Add	*433.41*	
		For Baked Enamel Standard Colors, Add	*650.11*	
		For Anodized Finish, Add	*866.82*	
		For Kynar® Standard Colors Finish, Add	*1,191.87*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,545.45	133.26
		For Flange Frame, Add	*227.89*	
		For Clear Lacquer Finish, Add	*455.79*	
		For Baked Enamel Standard Colors, Add	*683.68*	
		For Anodized Finish, Add	*911.57*	
		For Kynar® Standard Colors Finish, Add	*1,253.41*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	610.35	36.65
		For Flange Frame, Add	*53.71*	
		For Clear Lacquer Finish, Add	*107.41*	
		For Baked Enamel Standard Colors, Add	*161.12*	
		For Anodized Finish, Add	*214.82*	
		For Kynar® Standard Colors Finish, Add	*295.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	770.48	46.64
		For Flange Frame, Add	*67.72*	
		For Clear Lacquer Finish, Add	*135.44*	
		For Baked Enamel Standard Colors, Add	*203.16*	
		For Anodized Finish, Add	*270.88*	
		For Kynar® Standard Colors Finish, Add	*372.46*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	903.94	53.31
		For Flange Frame, Add	*79.73*	
		For Clear Lacquer Finish, Add	*159.47*	
		For Baked Enamel Standard Colors, Add	*239.20*	
		For Anodized Finish, Add	*318.93*	
		For Kynar® Standard Colors Finish, Add	*438.53*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,124.92	66.63
		For Flange Frame, Add	*99.17*	
		For Clear Lacquer Finish, Add	*198.33*	
		For Baked Enamel Standard Colors, Add	*297.50*	
		For Anodized Finish, Add	*396.66*	
		For Kynar® Standard Colors Finish, Add	*545.41*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,279.58	73.30
		For Flange Frame, Add	*113.30*	
		For Clear Lacquer Finish, Add	*226.60*	
		For Baked Enamel Standard Colors, Add	*339.90*	
		For Anodized Finish, Add	*453.20*	
		For Kynar® Standard Colors Finish, Add	*623.14*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,434.22	79.96
		For Flange Frame, Add	*127.43*	
		For Clear Lacquer Finish, Add	*254.86*	
		For Baked Enamel Standard Colors, Add	*382.29*	
		For Anodized Finish, Add	*509.72*	
		For Kynar® Standard Colors Finish, Add	*700.87*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,619.50	86.61
		For Flange Frame, Add	*144.63*	
		For Clear Lacquer Finish, Add	*289.25*	
		For Baked Enamel Standard Colors, Add	*433.88*	
		For Anodized Finish, Add	*578.50*	
		For Kynar® Standard Colors Finish, Add	*795.44*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,796.13	96.61
		For Flange Frame, Add	*160.29*	
		For Clear Lacquer Finish, Add	*320.58*	
		For Baked Enamel Standard Colors, Add	*480.87*	
		For Anodized Finish, Add	*641.16*	
		For Kynar® Standard Colors Finish, Add	*881.60*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,937.43	106.61
		For Flange Frame, Add	*172.42*	
		For Clear Lacquer Finish, Add	*344.84*	
		For Baked Enamel Standard Colors, Add	*517.26*	
		For Anodized Finish, Add	*689.68*	
		For Kynar® Standard Colors Finish, Add	*948.32*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,073.25	113.27
		For Flange Frame, Add	*184.67*	
		For Clear Lacquer Finish, Add	*369.34*	
		For Baked Enamel Standard Colors, Add	*554.01*	
		For Anodized Finish, Add	*738.68*	
		For Kynar® Standard Colors Finish, Add	*1,015.69*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,200.81	119.93
		For Flange Frame, Add	*196.09*	
		For Clear Lacquer Finish, Add	*392.19*	
		For Baked Enamel Standard Colors, Add	*588.28*	
		For Anodized Finish, Add	*784.38*	
		For Kynar® Standard Colors Finish, Add	*1,078.52*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,366.07	126.60
		For Flange Frame, Add	*211.29*	
		For Clear Lacquer Finish, Add	*422.57*	
		For Baked Enamel Standard Colors, Add	*633.86*	
		For Anodized Finish, Add	*845.15*	
		For Kynar® Standard Colors Finish, Add	*1,162.08*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,525.43	133.26
		For Flange Frame, Add	*225.89*	
		For Clear Lacquer Finish, Add	*451.78*	
		For Baked Enamel Standard Colors, Add	*677.67*	
		For Anodized Finish, Add	*903.56*	
		For Kynar® Standard Colors Finish, Add	*1,242.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,719.72	143.25
		For Flange Frame, Add	*243.32*	
		For Clear Lacquer Finish, Add	*486.64*	
		For Baked Enamel Standard Colors, Add	*729.96*	
		For Anodized Finish, Add	*973.28*	
		For Kynar® Standard Colors Finish, Add	*1,338.27*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,866.91	153.25
		For Flange Frame, Add	*256.04*	
		For Clear Lacquer Finish, Add	*512.08*	
		For Baked Enamel Standard Colors, Add	*768.12*	
		For Anodized Finish, Add	*1,024.16*	
		For Kynar® Standard Colors Finish, Add	*1,408.23*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	682.55	43.31
		For Flange Frame, Add	*59.59*	
		For Clear Lacquer Finish, Add	*119.19*	
		For Baked Enamel Standard Colors, Add	*178.78*	
		For Anodized Finish, Add	*238.38*	
		For Kynar® Standard Colors Finish, Add	*327.77*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	866.25	53.31
		For Flange Frame, Add	*75.96*	
		For Clear Lacquer Finish, Add	*151.93*	
		For Baked Enamel Standard Colors, Add	*227.89*	
		For Anodized Finish, Add	*303.86*	
		For Kynar® Standard Colors Finish, Add	*417.80*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,073.50	63.30
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,266.21	76.63
		For Flange Frame, Add	*111.30*	
		For Clear Lacquer Finish, Add	*222.59*	
		For Baked Enamel Standard Colors, Add	*333.89*	
		For Anodized Finish, Add	*445.18*	
		For Kynar® Standard Colors Finish, Add	*612.13*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,436.18	83.29
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,615.57	89.95
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,836.95	99.94
		For Flange Frame, Add	*163.71*	
		For Clear Lacquer Finish, Add	*327.41*	
		For Baked Enamel Standard Colors, Add	*491.12*	
		For Anodized Finish, Add	*654.82*	
		For Kynar® Standard Colors Finish, Add	*900.38*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,023.78	113.27
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,169.01	119.93
		For Flange Frame, Add	*192.91*	
		For Clear Lacquer Finish, Add	*385.83*	
		For Baked Enamel Standard Colors, Add	*578.74*	
		For Anodized Finish, Add	*771.66*	
		For Kynar® Standard Colors Finish, Add	*1,061.03*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,327.56	133.26
		For Flange Frame, Add	*206.10*	
		For Clear Lacquer Finish, Add	*412.21*	
		For Baked Enamel Standard Colors, Add	*618.31*	
		For Anodized Finish, Add	*824.42*	
		For Kynar® Standard Colors Finish, Add	*1,133.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,475.15	139.92
		For Flange Frame, Add	*219.53*	
		For Clear Lacquer Finish, Add	*439.06*	
		For Baked Enamel Standard Colors, Add	*658.59*	
		For Anodized Finish, Add	*878.12*	
		For Kynar® Standard Colors Finish, Add	*1,207.42*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,675.74	146.59
		For Flange Frame, Add	*238.26*	
		For Clear Lacquer Finish, Add	*476.51*	
		For Baked Enamel Standard Colors, Add	*714.77*	
		For Anodized Finish, Add	*953.03*	
		For Kynar® Standard Colors Finish, Add	*1,310.41*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,845.71	153.25
		For Flange Frame, Add	*253.92*	
		For Clear Lacquer Finish, Add	*507.84*	
		For Baked Enamel Standard Colors, Add	*761.76*	
		For Anodized Finish, Add	*1,015.68*	
		For Kynar® Standard Colors Finish, Add	*1,396.57*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,060.02	163.24
		For Flange Frame, Add	*273.35*	
		For Clear Lacquer Finish, Add	*546.71*	
		For Baked Enamel Standard Colors, Add	*820.06*	
		For Anodized Finish, Add	*1,093.41*	
		For Kynar® Standard Colors Finish, Add	*1,503.44*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,217.81	173.24
		For Flange Frame, Add	*287.13*	
		For Clear Lacquer Finish, Add	*574.27*	
		For Baked Enamel Standard Colors, Add	*861.40*	
		For Anodized Finish, Add	*1,148.53*	
		For Kynar® Standard Colors Finish, Add	*1,579.23*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	760.65	49.98
		For Flange Frame, Add	*66.07*	
		For Clear Lacquer Finish, Add	*132.14*	
		For Baked Enamel Standard Colors, Add	*198.21*	
		For Anodized Finish, Add	*264.28*	
		For Kynar® Standard Colors Finish, Add	*363.39*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,013.03	66.63
		For Flange Frame, Add	*87.98*	
		For Clear Lacquer Finish, Add	*175.95*	
		For Baked Enamel Standard Colors, Add	*263.93*	
		For Anodized Finish, Add	*351.91*	
		For Kynar® Standard Colors Finish, Add	*483.87*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,202.62	76.63
		For Flange Frame, Add	*104.94*	
		For Clear Lacquer Finish, Add	*209.87*	
		For Baked Enamel Standard Colors, Add	*314.81*	
		For Anodized Finish, Add	*419.75*	
		For Kynar® Standard Colors Finish, Add	*577.15*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,409.87	86.61
		For Flange Frame, Add	*123.66*	
		For Clear Lacquer Finish, Add	*247.33*	
		For Baked Enamel Standard Colors, Add	*370.99*	
		For Anodized Finish, Add	*494.65*	
		For Kynar® Standard Colors Finish, Add	*680.15*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,595.15	93.28
		For Flange Frame, Add	*140.86*	
		For Clear Lacquer Finish, Add	*281.72*	
		For Baked Enamel Standard Colors, Add	*422.57*	
		For Anodized Finish, Add	*563.43*	
		For Kynar® Standard Colors Finish, Add	*774.72*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,787.09	103.27
		For Flange Frame, Add	*158.05*	
		For Clear Lacquer Finish, Add	*316.11*	
		For Baked Enamel Standard Colors, Add	*474.16*	
		For Anodized Finish, Add	*632.21*	
		For Kynar® Standard Colors Finish, Add	*869.29*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,017.11	109.94
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,213.76	119.93
		For Flange Frame, Add	*197.39*	
		For Clear Lacquer Finish, Add	*394.78*	
		For Baked Enamel Standard Colors, Add	*592.17*	
		For Anodized Finish, Add	*789.56*	
		For Kynar® Standard Colors Finish, Add	*1,085.64*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,375.49	126.60
		For Flange Frame, Add	*212.23*	
		For Clear Lacquer Finish, Add	*424.46*	
		For Baked Enamel Standard Colors, Add	*636.69*	
		For Anodized Finish, Add	*848.92*	
		For Kynar® Standard Colors Finish, Add	*1,167.26*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,552.88	139.92
		For Flange Frame, Add	*227.30*	
		For Clear Lacquer Finish, Add	*454.61*	
		For Baked Enamel Standard Colors, Add	*681.91*	
		For Anodized Finish, Add	*909.22*	
		For Kynar® Standard Colors Finish, Add	*1,250.17*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,722.44	149.92
		For Flange Frame, Add	*242.26*	
		For Clear Lacquer Finish, Add	*484.52*	
		For Baked Enamel Standard Colors, Add	*726.78*	
		For Anodized Finish, Add	*969.04*	
		For Kynar® Standard Colors Finish, Add	*1,332.44*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,935.99	156.58
		For Flange Frame, Add	*262.28*	
		For Clear Lacquer Finish, Add	*524.57*	
		For Baked Enamel Standard Colors, Add	*786.85*	
		For Anodized Finish, Add	*1,049.13*	
		For Kynar® Standard Colors Finish, Add	*1,442.56*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,121.27	163.24
		For Flange Frame, Add	*279.48*	
		For Clear Lacquer Finish, Add	*558.96*	
		For Baked Enamel Standard Colors, Add	*838.43*	
		For Anodized Finish, Add	*1,117.91*	
		For Kynar® Standard Colors Finish, Add	*1,537.13*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,346.18	173.24
		For Flange Frame, Add	*299.97*	
		For Clear Lacquer Finish, Add	*599.94*	
		For Baked Enamel Standard Colors, Add	*899.91*	
		For Anodized Finish, Add	*1,199.88*	
		For Kynar® Standard Colors Finish, Add	*1,649.84*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,525.17	183.23
		For Flange Frame, Add	*315.87*	
		For Clear Lacquer Finish, Add	*631.74*	
		For Baked Enamel Standard Colors, Add	*947.61*	
		For Anodized Finish, Add	*1,263.48*	
		For Kynar® Standard Colors Finish, Add	*1,737.29*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	832.87	56.64
		For Flange Frame, Add	*71.96*	
		For Clear Lacquer Finish, Add	*143.92*	
		For Baked Enamel Standard Colors, Add	*215.88*	
		For Anodized Finish, Add	*287.84*	
		For Kynar® Standard Colors Finish, Add	*395.78*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,127.65	73.30
		For Flange Frame, Add	*98.11*	
		For Clear Lacquer Finish, Add	*196.21*	
		For Baked Enamel Standard Colors, Add	*294.32*	
		For Anodized Finish, Add	*392.42*	
		For Kynar® Standard Colors Finish, Add	*539.58*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,318.41	83.29
		For Flange Frame, Add	*115.18*	
		For Clear Lacquer Finish, Add	*230.37*	
		For Baked Enamel Standard Colors, Add	*345.55*	
		For Anodized Finish, Add	*460.73*	
		For Kynar® Standard Colors Finish, Add	*633.51*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,545.68	93.28
		For Flange Frame, Add	*135.91*	
		For Clear Lacquer Finish, Add	*271.82*	
		For Baked Enamel Standard Colors, Add	*407.73*	
		For Anodized Finish, Add	*543.64*	
		For Kynar® Standard Colors Finish, Add	*747.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,755.99	101.28
		For Flange Frame, Add	*155.34*	
		For Clear Lacquer Finish, Add	*310.69*	
		For Baked Enamel Standard Colors, Add	*466.03*	
		For Anodized Finish, Add	*621.38*	
		For Kynar® Standard Colors Finish, Add	*854.39*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,953.51	109.94
		For Flange Frame, Add	*173.36*	
		For Clear Lacquer Finish, Add	*346.73*	
		For Baked Enamel Standard Colors, Add	*520.09*	
		For Anodized Finish, Add	*693.45*	
		For Kynar® Standard Colors Finish, Add	*953.50*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,210.64	116.60
		For Flange Frame, Add	*197.74*	
		For Clear Lacquer Finish, Add	*395.49*	
		For Baked Enamel Standard Colors, Add	*593.23*	
		For Anodized Finish, Add	*790.97*	
		For Kynar® Standard Colors Finish, Add	*1,087.59*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,432.02	126.60
		For Flange Frame, Add	*217.88*	
		For Clear Lacquer Finish, Add	*435.76*	
		For Baked Enamel Standard Colors, Add	*653.65*	
		For Anodized Finish, Add	*871.53*	
		For Kynar® Standard Colors Finish, Add	*1,198.35*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,612.17	136.59
		For Flange Frame, Add	*233.90*	
		For Clear Lacquer Finish, Add	*467.80*	
		For Baked Enamel Standard Colors, Add	*701.70*	
		For Anodized Finish, Add	*935.60*	
		For Kynar® Standard Colors Finish, Add	*1,286.44*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,797.05	146.59
		For Flange Frame, Add	*250.39*	
		For Clear Lacquer Finish, Add	*500.78*	
		For Baked Enamel Standard Colors, Add	*751.16*	
		For Anodized Finish, Add	*1,001.55*	
		For Kynar® Standard Colors Finish, Add	*1,377.13*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,987.81	156.58
		For Flange Frame, Add	*267.47*	
		For Clear Lacquer Finish, Add	*534.93*	
		For Baked Enamel Standard Colors, Add	*802.40*	
		For Anodized Finish, Add	*1,069.86*	
		For Kynar® Standard Colors Finish, Add	*1,471.06*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,221.37	163.24
		For Flange Frame, Add	*289.49*	
		For Clear Lacquer Finish, Add	*578.98*	
		For Baked Enamel Standard Colors, Add	*868.46*	
		For Anodized Finish, Add	*1,157.95*	
		For Kynar® Standard Colors Finish, Add	*1,592.18*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,420.79	169.91
		For Flange Frame, Add	*308.10*	
		For Clear Lacquer Finish, Add	*616.19*	
		For Baked Enamel Standard Colors, Add	*924.29*	
		For Anodized Finish, Add	*1,232.39*	
		For Kynar® Standard Colors Finish, Add	*1,694.53*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,675.15	179.90
		For Flange Frame, Add	*331.53*	
		For Clear Lacquer Finish, Add	*663.07*	
		For Baked Enamel Standard Colors, Add	*994.60*	
		For Anodized Finish, Add	*1,326.14*	
		For Kynar® Standard Colors Finish, Add	*1,823.44*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,864.73	189.90
		For Flange Frame, Add	*348.49*	
		For Clear Lacquer Finish, Add	*696.99*	
		For Baked Enamel Standard Colors, Add	*1,045.48*	
		For Anodized Finish, Add	*1,393.97*	
		For Kynar® Standard Colors Finish, Add	*1,916.71*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	953.37	63.30
		For Flange Frame, Add	*82.68*	
		For Clear Lacquer Finish, Add	*165.35*	
		For Baked Enamel Standard Colors, Add	*248.03*	
		For Anodized Finish, Add	*330.71*	
		For Kynar® Standard Colors Finish, Add	*454.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,216.34	79.96
		For Flange Frame, Add	*105.64*	
		For Clear Lacquer Finish, Add	*211.29*	
		For Baked Enamel Standard Colors, Add	*316.93*	
		For Anodized Finish, Add	*422.57*	
		For Kynar® Standard Colors Finish, Add	*581.04*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,428.30	89.95
		For Flange Frame, Add	*124.84*	
		For Clear Lacquer Finish, Add	*249.68*	
		For Baked Enamel Standard Colors, Add	*374.52*	
		For Anodized Finish, Add	*499.36*	
		For Kynar® Standard Colors Finish, Add	*686.62*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,670.49	103.27
		For Flange Frame, Add	*146.39*	
		For Clear Lacquer Finish, Add	*292.79*	
		For Baked Enamel Standard Colors, Add	*439.18*	
		For Anodized Finish, Add	*585.57*	
		For Kynar® Standard Colors Finish, Add	*805.16*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,894.63	109.94
		For Flange Frame, Add	*167.48*	
		For Clear Lacquer Finish, Add	*334.95*	
		For Baked Enamel Standard Colors, Add	*502.43*	
		For Anodized Finish, Add	*669.90*	
		For Kynar® Standard Colors Finish, Add	*921.11*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,106.99	116.60
		For Flange Frame, Add	*187.38*	
		For Clear Lacquer Finish, Add	*374.76*	
		For Baked Enamel Standard Colors, Add	*562.13*	
		For Anodized Finish, Add	*749.51*	
		For Kynar® Standard Colors Finish, Add	*1,030.58*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,386.49	123.26
		For Flange Frame, Add	*214.00*	
		For Clear Lacquer Finish, Add	*427.99*	
		For Baked Enamel Standard Colors, Add	*641.99*	
		For Anodized Finish, Add	*855.98*	
		For Kynar® Standard Colors Finish, Add	*1,176.97*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,611.40	133.26
		For Flange Frame, Add	*234.49*	
		For Clear Lacquer Finish, Add	*468.98*	
		For Baked Enamel Standard Colors, Add	*703.46*	
		For Anodized Finish, Add	*937.95*	
		For Kynar® Standard Colors Finish, Add	*1,289.68*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,813.94	143.25
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.49*	
		For Baked Enamel Standard Colors, Add	*758.23*	
		For Anodized Finish, Add	*1,010.97*	
		For Kynar® Standard Colors Finish, Add	*1,390.09*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,003.52	153.25
		For Flange Frame, Add	*269.70*	
		For Clear Lacquer Finish, Add	*539.40*	
		For Baked Enamel Standard Colors, Add	*809.11*	
		For Anodized Finish, Add	*1,078.81*	
		For Kynar® Standard Colors Finish, Add	*1,483.36*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,210.78	163.24
		For Flange Frame, Add	*288.43*	
		For Clear Lacquer Finish, Add	*576.86*	
		For Baked Enamel Standard Colors, Add	*865.29*	
		For Anodized Finish, Add	*1,153.72*	
		For Kynar® Standard Colors Finish, Add	*1,586.36*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,462.01	169.91
		For Flange Frame, Add	*312.22*	
		For Clear Lacquer Finish, Add	*624.44*	
		For Baked Enamel Standard Colors, Add	*936.66*	
		For Anodized Finish, Add	*1,248.88*	
		For Kynar® Standard Colors Finish, Add	*1,717.20*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,680.26	176.57
		For Flange Frame, Add	*332.71*	
		For Clear Lacquer Finish, Add	*665.42*	
		For Baked Enamel Standard Colors, Add	*998.14*	
		For Anodized Finish, Add	*1,330.85*	
		For Kynar® Standard Colors Finish, Add	*1,829.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,965.24	186.57
		For Flange Frame, Add	*359.21*	
		For Clear Lacquer Finish, Add	*718.42*	
		For Baked Enamel Standard Colors, Add	*1,077.63*	
		For Anodized Finish, Add	*1,436.84*	
		For Kynar® Standard Colors Finish, Add	*1,975.66*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,163.07	196.56
		For Flange Frame, Add	*377.00*	
		For Clear Lacquer Finish, Add	*753.99*	
		For Baked Enamel Standard Colors, Add	*1,130.99*	
		For Anodized Finish, Add	*1,507.98*	
		For Kynar® Standard Colors Finish, Add	*2,073.47*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,031.47	69.97
		For Flange Frame, Add	*89.16*	
		For Clear Lacquer Finish, Add	*178.31*	
		For Baked Enamel Standard Colors, Add	*267.47*	
		For Anodized Finish, Add	*356.62*	
		For Kynar® Standard Colors Finish, Add	*490.35*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,310.94	86.61
		For Flange Frame, Add	*113.77*	
		For Clear Lacquer Finish, Add	*227.54*	
		For Baked Enamel Standard Colors, Add	*341.31*	
		For Anodized Finish, Add	*455.08*	
		For Kynar® Standard Colors Finish, Add	*625.74*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,551.94	99.94
		For Flange Frame, Add	*135.21*	
		For Clear Lacquer Finish, Add	*270.41*	
		For Baked Enamel Standard Colors, Add	*405.62*	
		For Anodized Finish, Add	*540.82*	
		For Kynar® Standard Colors Finish, Add	*743.63*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,800.41	109.94
		For Flange Frame, Add	*158.05*	
		For Clear Lacquer Finish, Add	*316.11*	
		For Baked Enamel Standard Colors, Add	*474.16*	
		For Anodized Finish, Add	*632.21*	
		For Kynar® Standard Colors Finish, Add	*869.29*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,048.11	116.60
		For Flange Frame, Add	*181.49*	
		For Clear Lacquer Finish, Add	*362.98*	
		For Baked Enamel Standard Colors, Add	*544.47*	
		For Anodized Finish, Add	*725.96*	
		For Kynar® Standard Colors Finish, Add	*998.20*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,287.56	123.26
		For Flange Frame, Add	*204.10*	
		For Clear Lacquer Finish, Add	*408.20*	
		For Baked Enamel Standard Colors, Add	*612.31*	
		For Anodized Finish, Add	*816.41*	
		For Kynar® Standard Colors Finish, Add	*1,122.56*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,585.49	133.26
		For Flange Frame, Add	*231.90*	
		For Clear Lacquer Finish, Add	*463.79*	
		For Baked Enamel Standard Colors, Add	*695.69*	
		For Anodized Finish, Add	*927.59*	
		For Kynar® Standard Colors Finish, Add	*1,275.43*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,831.61	143.25
		For Flange Frame, Add	*254.51*	
		For Clear Lacquer Finish, Add	*509.02*	
		For Baked Enamel Standard Colors, Add	*763.53*	
		For Anodized Finish, Add	*1,018.04*	
		For Kynar® Standard Colors Finish, Add	*1,399.81*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,044.75	153.25
		For Flange Frame, Add	*273.83*	
		For Clear Lacquer Finish, Add	*547.65*	
		For Baked Enamel Standard Colors, Add	*821.48*	
		For Anodized Finish, Add	*1,095.30*	
		For Kynar® Standard Colors Finish, Add	*1,506.04*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,261.42	163.24
		For Flange Frame, Add	*293.49*	
		For Clear Lacquer Finish, Add	*586.99*	
		For Baked Enamel Standard Colors, Add	*880.48*	
		For Anodized Finish, Add	*1,173.97*	
		For Kynar® Standard Colors Finish, Add	*1,614.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,473.38	173.24
		For Flange Frame, Add	*312.69*	
		For Clear Lacquer Finish, Add	*625.38*	
		For Baked Enamel Standard Colors, Add	*938.07*	
		For Anodized Finish, Add	*1,250.76*	
		For Kynar® Standard Colors Finish, Add	*1,719.80*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,757.59	179.90
		For Flange Frame, Add	*339.78*	
		For Clear Lacquer Finish, Add	*679.56*	
		For Baked Enamel Standard Colors, Add	*1,019.33*	
		For Anodized Finish, Add	*1,359.11*	
		For Kynar® Standard Colors Finish, Add	*1,868.78*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,993.50	186.57
		For Flange Frame, Add	*362.04*	
		For Clear Lacquer Finish, Add	*724.07*	
		For Baked Enamel Standard Colors, Add	*1,086.11*	
		For Anodized Finish, Add	*1,448.15*	
		For Kynar® Standard Colors Finish, Add	*1,991.20*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,284.78	193.23
		For Flange Frame, Add	*389.83*	
		For Clear Lacquer Finish, Add	*779.66*	
		For Baked Enamel Standard Colors, Add	*1,169.50*	
		For Anodized Finish, Add	*1,559.33*	
		For Kynar® Standard Colors Finish, Add	*2,144.08*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,502.63	203.22
		For Flange Frame, Add	*409.62*	
		For Clear Lacquer Finish, Add	*819.24*	
		For Baked Enamel Standard Colors, Add	*1,228.85*	
		For Anodized Finish, Add	*1,638.47*	
		For Kynar® Standard Colors Finish, Add	*2,252.90*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,197.50	79.96
		For Flange Frame, Add	*103.76*	
		For Clear Lacquer Finish, Add	*207.52*	
		For Baked Enamel Standard Colors, Add	*311.28*	
		For Anodized Finish, Add	*415.04*	
		For Kynar® Standard Colors Finish, Add	*570.67*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,535.85	96.61
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,800.01	113.27
		For Flange Frame, Add	*157.35*	
		For Clear Lacquer Finish, Add	*314.69*	
		For Baked Enamel Standard Colors, Add	*472.04*	
		For Anodized Finish, Add	*629.38*	
		For Kynar® Standard Colors Finish, Add	*865.40*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,068.90	119.93
		For Flange Frame, Add	*182.90*	
		For Clear Lacquer Finish, Add	*365.81*	
		For Baked Enamel Standard Colors, Add	*548.71*	
		For Anodized Finish, Add	*731.61*	
		For Kynar® Standard Colors Finish, Add	*1,005.97*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,361.35	126.60
		For Flange Frame, Add	*210.82*	
		For Clear Lacquer Finish, Add	*421.63*	
		For Baked Enamel Standard Colors, Add	*632.45*	
		For Anodized Finish, Add	*843.26*	
		For Kynar® Standard Colors Finish, Add	*1,159.48*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,623.18	133.26
		For Flange Frame, Add	*235.67*	
		For Clear Lacquer Finish, Add	*471.33*	
		For Baked Enamel Standard Colors, Add	*707.00*	
		For Anodized Finish, Add	*942.66*	
		For Kynar® Standard Colors Finish, Add	*1,296.16*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,969.40	143.25
		For Flange Frame, Add	*268.29*	
		For Clear Lacquer Finish, Add	*536.58*	
		For Baked Enamel Standard Colors, Add	*804.87*	
		For Anodized Finish, Add	*1,073.16*	
		For Kynar® Standard Colors Finish, Add	*1,475.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,306.20	153.25
		For Flange Frame, Add	*299.97*	
		For Clear Lacquer Finish, Add	*599.94*	
		For Baked Enamel Standard Colors, Add	*899.91*	
		For Anodized Finish, Add	*1,199.88*	
		For Kynar® Standard Colors Finish, Add	*1,649.84*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,558.21	163.24
		For Flange Frame, Add	*323.17*	
		For Clear Lacquer Finish, Add	*646.34*	
		For Baked Enamel Standard Colors, Add	*969.52*	
		For Anodized Finish, Add	*1,292.69*	
		For Kynar® Standard Colors Finish, Add	*1,777.45*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,806.68	173.24
		For Flange Frame, Add	*346.02*	
		For Clear Lacquer Finish, Add	*692.04*	
		For Baked Enamel Standard Colors, Add	*1,038.06*	
		For Anodized Finish, Add	*1,384.08*	
		For Kynar® Standard Colors Finish, Add	*1,903.11*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,046.14	179.90
		For Flange Frame, Add	*368.63*	
		For Clear Lacquer Finish, Add	*737.27*	
		For Baked Enamel Standard Colors, Add	*1,105.90*	
		For Anodized Finish, Add	*1,474.53*	
		For Kynar® Standard Colors Finish, Add	*2,027.48*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,363.31	186.57
		For Flange Frame, Add	*399.02*	
		For Clear Lacquer Finish, Add	*798.04*	
		For Baked Enamel Standard Colors, Add	*1,197.05*	
		For Anodized Finish, Add	*1,596.07*	
		For Kynar® Standard Colors Finish, Add	*2,194.60*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,627.50	193.23
		For Flange Frame, Add	*424.10*	
		For Clear Lacquer Finish, Add	*848.21*	
		For Baked Enamel Standard Colors, Add	*1,272.31*	
		For Anodized Finish, Add	*1,696.42*	
		For Kynar® Standard Colors Finish, Add	*2,332.57*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,968.24	199.89
		For Flange Frame, Add	*456.85*	
		For Clear Lacquer Finish, Add	*913.69*	
		For Baked Enamel Standard Colors, Add	*1,370.54*	
		For Anodized Finish, Add	*1,827.38*	
		For Kynar® Standard Colors Finish, Add	*2,512.65*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,222.60	209.89
		For Flange Frame, Add	*480.28*	
		For Clear Lacquer Finish, Add	*960.56*	
		For Baked Enamel Standard Colors, Add	*1,440.85*	
		For Anodized Finish, Add	*1,921.13*	
		For Kynar® Standard Colors Finish, Add	*2,641.55*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,270.89	86.61
		For Flange Frame, Add	*109.77*	
		For Clear Lacquer Finish, Add	*219.53*	
		For Baked Enamel Standard Colors, Add	*329.30*	
		For Anodized Finish, Add	*439.06*	
		For Kynar® Standard Colors Finish, Add	*603.71*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,637.11	106.61
		For Flange Frame, Add	*142.39*	
		For Clear Lacquer Finish, Add	*284.78*	
		For Baked Enamel Standard Colors, Add	*427.17*	
		For Anodized Finish, Add	*569.56*	
		For Kynar® Standard Colors Finish, Add	*783.14*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,907.55	119.93
		For Flange Frame, Add	*166.77*	
		For Clear Lacquer Finish, Add	*333.54*	
		For Baked Enamel Standard Colors, Add	*500.30*	
		For Anodized Finish, Add	*667.07*	
		For Kynar® Standard Colors Finish, Add	*917.22*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,203.54	126.60
		For Flange Frame, Add	*195.03*	
		For Clear Lacquer Finish, Add	*390.07*	
		For Baked Enamel Standard Colors, Add	*585.10*	
		For Anodized Finish, Add	*780.14*	
		For Kynar® Standard Colors Finish, Add	*1,072.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,513.24	136.59
		For Flange Frame, Add	*224.01*	
		For Clear Lacquer Finish, Add	*448.01*	
		For Baked Enamel Standard Colors, Add	*672.02*	
		For Anodized Finish, Add	*896.02*	
		For Kynar® Standard Colors Finish, Add	*1,232.03*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,790.39	143.25
		For Flange Frame, Add	*250.39*	
		For Clear Lacquer Finish, Add	*500.78*	
		For Baked Enamel Standard Colors, Add	*751.16*	
		For Anodized Finish, Add	*1,001.55*	
		For Kynar® Standard Colors Finish, Add	*1,377.13*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,161.34	153.25
		For Flange Frame, Add	*285.48*	
		For Clear Lacquer Finish, Add	*570.97*	
		For Baked Enamel Standard Colors, Add	*856.45*	
		For Anodized Finish, Add	*1,141.94*	
		For Kynar® Standard Colors Finish, Add	*1,570.16*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,507.57	163.24
		For Flange Frame, Add	*318.11*	
		For Clear Lacquer Finish, Add	*636.22*	
		For Baked Enamel Standard Colors, Add	*954.32*	
		For Anodized Finish, Add	*1,272.43*	
		For Kynar® Standard Colors Finish, Add	*1,749.59*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,777.24	173.24
		For Flange Frame, Add	*343.08*	
		For Clear Lacquer Finish, Add	*686.15*	
		For Baked Enamel Standard Colors, Add	*1,029.23*	
		For Anodized Finish, Add	*1,372.30*	
		For Kynar® Standard Colors Finish, Add	*1,886.92*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,042.20	183.23
		For Flange Frame, Add	*367.57*	
		For Clear Lacquer Finish, Add	*735.15*	
		For Baked Enamel Standard Colors, Add	*1,102.72*	
		For Anodized Finish, Add	*1,470.29*	
		For Kynar® Standard Colors Finish, Add	*2,021.65*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,296.96	189.90
		For Flange Frame, Add	*391.72*	
		For Clear Lacquer Finish, Add	*783.43*	
		For Baked Enamel Standard Colors, Add	*1,175.15*	
		For Anodized Finish, Add	*1,566.86*	
		For Kynar® Standard Colors Finish, Add	*2,154.44*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,641.23	196.56
		For Flange Frame, Add	*424.81*	
		For Clear Lacquer Finish, Add	*849.62*	
		For Baked Enamel Standard Colors, Add	*1,274.43*	
		For Anodized Finish, Add	*1,699.24*	
		For Kynar® Standard Colors Finish, Add	*2,336.46*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,918.37	203.22
		For Flange Frame, Add	*451.19*	
		For Clear Lacquer Finish, Add	*902.38*	
		For Baked Enamel Standard Colors, Add	*1,353.58*	
		For Anodized Finish, Add	*1,804.77*	
		For Kynar® Standard Colors Finish, Add	*2,481.56*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,276.78	209.89
		For Flange Frame, Add	*485.70*	
		For Clear Lacquer Finish, Add	*971.40*	
		For Baked Enamel Standard Colors, Add	*1,457.10*	
		For Anodized Finish, Add	*1,942.80*	
		For Kynar® Standard Colors Finish, Add	*2,671.35*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,539.77	216.55
		For Flange Frame, Add	*510.67*	
		For Clear Lacquer Finish, Add	*1,021.34*	
		For Baked Enamel Standard Colors, Add	*1,532.00*	
		For Anodized Finish, Add	*2,042.67*	
		For Kynar® Standard Colors Finish, Add	*2,808.67*	
08 91 16 00-0137		Adjustable Intake Wall Louvers Operators *(08 91 16)*		
08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	321.02	33.32
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	707.38	13.33

08 91 19 Fixed Louvers *(08 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0001		Fixed Intake Wall Louvers *(08 91 19)*		
08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	415.65	29.99
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*35.57*	
		For Clear Lacquer Finish, Add	*71.14*	
		For Baked Enamel Standard Colors, Add	*106.70*	
		For Anodized Finish, Add	*142.27*	
		For Kynar® Standard Colors Finish, Add	*195.62*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	493.75	36.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*42.05*	
		For Clear Lacquer Finish, Add	*84.09*	
		For Baked Enamel Standard Colors, Add	*126.14*	
		For Anodized Finish, Add	*168.18*	
		For Kynar® Standard Colors Finish, Add	*231.25*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	573.02	43.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*48.64*	
		For Clear Lacquer Finish, Add	*97.28*	
		For Baked Enamel Standard Colors, Add	*145.92*	
		For Anodized Finish, Add	*194.56*	
		For Kynar® Standard Colors Finish, Add	*267.53*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	672.32	49.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*57.24*	
		For Clear Lacquer Finish, Add	*114.48*	
		For Baked Enamel Standard Colors, Add	*171.71*	
		For Anodized Finish, Add	*228.95*	
		For Kynar® Standard Colors Finish, Add	*314.81*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	756.32	56.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*64.31*	
		For Clear Lacquer Finish, Add	*128.61*	
		For Baked Enamel Standard Colors, Add	*192.92*	
		For Anodized Finish, Add	*257.22*	
		For Kynar® Standard Colors Finish, Add	*353.68*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	892.13	63.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.55*	
		For Clear Lacquer Finish, Add	*153.11*	
		For Baked Enamel Standard Colors, Add	*229.66*	
		For Anodized Finish, Add	*306.21*	
		For Kynar® Standard Colors Finish, Add	*421.04*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	966.69	69.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*82.68*	
		For Clear Lacquer Finish, Add	*165.35*	
		For Baked Enamel Standard Colors, Add	*248.03*	
		For Anodized Finish, Add	*330.71*	
		For Kynar® Standard Colors Finish, Add	*454.72*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,080.90	79.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*92.10*	
		For Clear Lacquer Finish, Add	*184.20*	
		For Baked Enamel Standard Colors, Add	*276.30*	
		For Anodized Finish, Add	*368.40*	
		For Kynar® Standard Colors Finish, Add	*506.54*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,149.59	86.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*97.64*	
		For Clear Lacquer Finish, Add	*195.27*	
		For Baked Enamel Standard Colors, Add	*292.91*	
		For Anodized Finish, Add	*390.54*	
		For Kynar® Standard Colors Finish, Add	*536.99*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,243.00	93.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*105.64*	
		For Clear Lacquer Finish, Add	*211.29*	
		For Baked Enamel Standard Colors, Add	*316.93*	
		For Anodized Finish, Add	*422.57*	
		For Kynar® Standard Colors Finish, Add	*581.04*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,324.63	99.94
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*112.47*	
		For Clear Lacquer Finish, Add	*224.95*	
		For Baked Enamel Standard Colors, Add	*337.42*	
		For Anodized Finish, Add	*449.90*	
		For Kynar® Standard Colors Finish, Add	*618.61*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,421.58	106.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*120.84*	
		For Clear Lacquer Finish, Add	*241.67*	
		For Baked Enamel Standard Colors, Add	*362.51*	
		For Anodized Finish, Add	*483.34*	
		For Kynar® Standard Colors Finish, Add	*664.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,512.64	113.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*128.61*	
		For Clear Lacquer Finish, Add	*257.22*	
		For Baked Enamel Standard Colors, Add	*385.83*	
		For Anodized Finish, Add	*514.44*	
		For Kynar® Standard Colors Finish, Add	*707.35*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,593.87	123.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*134.73*	
		For Clear Lacquer Finish, Add	*269.47*	
		For Baked Enamel Standard Colors, Add	*404.20*	
		For Anodized Finish, Add	*538.93*	
		For Kynar® Standard Colors Finish, Add	*741.03*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,702.19	133.26
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	483.15	36.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.99*	
		For Clear Lacquer Finish, Add	*81.97*	
		For Baked Enamel Standard Colors, Add	*122.96*	
		For Anodized Finish, Add	*163.94*	
		For Kynar® Standard Colors Finish, Add	*225.42*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	579.69	46.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*48.64*	
		For Clear Lacquer Finish, Add	*97.28*	
		For Baked Enamel Standard Colors, Add	*145.92*	
		For Anodized Finish, Add	*194.56*	
		For Kynar® Standard Colors Finish, Add	*267.53*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	671.93	53.31
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.53*	
		For Clear Lacquer Finish, Add	*113.06*	
		For Baked Enamel Standard Colors, Add	*169.60*	
		For Anodized Finish, Add	*226.13*	
		For Kynar® Standard Colors Finish, Add	*310.93*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	842.26	66.63
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*70.90*	
		For Clear Lacquer Finish, Add	*141.80*	
		For Baked Enamel Standard Colors, Add	*212.70*	
		For Anodized Finish, Add	*283.60*	
		For Kynar® Standard Colors Finish, Add	*389.95*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	966.30	73.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,076.19	79.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*91.63*	
		For Clear Lacquer Finish, Add	*183.26*	
		For Baked Enamel Standard Colors, Add	*274.88*	
		For Anodized Finish, Add	*366.51*	
		For Kynar® Standard Colors Finish, Add	*503.95*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,154.30	86.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.11*	
		For Clear Lacquer Finish, Add	*196.21*	
		For Baked Enamel Standard Colors, Add	*294.32*	
		For Anodized Finish, Add	*392.42*	
		For Kynar® Standard Colors Finish, Add	*539.58*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,284.99	96.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*109.18*	
		For Clear Lacquer Finish, Add	*218.35*	
		For Baked Enamel Standard Colors, Add	*327.53*	
		For Anodized Finish, Add	*436.70*	
		For Kynar® Standard Colors Finish, Add	*600.47*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,376.83	106.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*116.36*	
		For Clear Lacquer Finish, Add	*232.72*	
		For Baked Enamel Standard Colors, Add	*349.08*	
		For Anodized Finish, Add	*465.44*	
		For Kynar® Standard Colors Finish, Add	*639.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,496.15	113.27
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,587.20	119.93
		For Flange Frame, Add	*134.73*	
		For Clear Lacquer Finish, Add	*269.47*	
		For Baked Enamel Standard Colors, Add	*404.20*	
		For Anodized Finish, Add	*538.93*	
		For Kynar® Standard Colors Finish, Add	*741.03*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,688.87	126.60
		For Flange Frame, Add	*143.57*	
		For Clear Lacquer Finish, Add	*287.13*	
		For Baked Enamel Standard Colors, Add	*430.70*	
		For Anodized Finish, Add	*574.27*	
		For Kynar® Standard Colors Finish, Add	*789.62*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,795.23	133.26
		For Flange Frame, Add	*152.87*	
		For Clear Lacquer Finish, Add	*305.74*	
		For Baked Enamel Standard Colors, Add	*458.61*	
		For Anodized Finish, Add	*611.48*	
		For Kynar® Standard Colors Finish, Add	*840.79*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,889.41	143.25
		For Flange Frame, Add	*160.29*	
		For Clear Lacquer Finish, Add	*320.58*	
		For Baked Enamel Standard Colors, Add	*480.87*	
		For Anodized Finish, Add	*641.16*	
		For Kynar® Standard Colors Finish, Add	*881.60*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,020.11	153.25
		For Flange Frame, Add	*171.36*	
		For Clear Lacquer Finish, Add	*342.72*	
		For Baked Enamel Standard Colors, Add	*514.08*	
		For Anodized Finish, Add	*685.44*	
		For Kynar® Standard Colors Finish, Add	*942.49*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	558.88	43.31
		For Flange Frame, Add	*47.23*	
		For Clear Lacquer Finish, Add	*94.45*	
		For Baked Enamel Standard Colors, Add	*141.68*	
		For Anodized Finish, Add	*188.91*	
		For Kynar® Standard Colors Finish, Add	*259.75*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	666.04	53.31
		For Flange Frame, Add	*55.94*	
		For Clear Lacquer Finish, Add	*111.89*	
		For Baked Enamel Standard Colors, Add	*167.83*	
		For Anodized Finish, Add	*223.77*	
		For Kynar® Standard Colors Finish, Add	*307.69*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	825.00	63.30
		For Flange Frame, Add	*69.84*	
		For Clear Lacquer Finish, Add	*139.68*	
		For Baked Enamel Standard Colors, Add	*209.52*	
		For Anodized Finish, Add	*279.36*	
		For Kynar® Standard Colors Finish, Add	*384.12*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	972.96	76.63
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,113.48	83.29
		For Flange Frame, Add	*94.69*	
		For Clear Lacquer Finish, Add	*189.38*	
		For Baked Enamel Standard Colors, Add	*284.07*	
		For Anodized Finish, Add	*378.76*	
		For Kynar® Standard Colors Finish, Add	*520.80*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,243.40	89.95
		For Flange Frame, Add	*106.35*	
		For Clear Lacquer Finish, Add	*212.70*	
		For Baked Enamel Standard Colors, Add	*319.05*	
		For Anodized Finish, Add	*425.40*	
		For Kynar® Standard Colors Finish, Add	*584.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,351.72	99.94
		For Flange Frame, Add	*115.18*	
		For Clear Lacquer Finish, Add	*230.37*	
		For Baked Enamel Standard Colors, Add	*345.55*	
		For Anodized Finish, Add	*460.73*	
		For Kynar® Standard Colors Finish, Add	*633.51*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,496.15	113.27
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,591.92	119.93
		For Flange Frame, Add	*135.21*	
		For Clear Lacquer Finish, Add	*270.41*	
		For Baked Enamel Standard Colors, Add	*405.62*	
		For Anodized Finish, Add	*540.82*	
		For Kynar® Standard Colors Finish, Add	*743.63*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,749.29	133.26
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,848.59	139.92
		For Flange Frame, Add	*156.88*	
		For Clear Lacquer Finish, Add	*313.75*	
		For Baked Enamel Standard Colors, Add	*470.63*	
		For Anodized Finish, Add	*627.50*	
		For Kynar® Standard Colors Finish, Add	*862.81*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,977.34	146.59
		For Flange Frame, Add	*168.42*	
		For Clear Lacquer Finish, Add	*336.83*	
		For Baked Enamel Standard Colors, Add	*505.25*	
		For Anodized Finish, Add	*673.67*	
		For Kynar® Standard Colors Finish, Add	*926.29*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,103.73	153.25
		For Flange Frame, Add	*179.72*	
		For Clear Lacquer Finish, Add	*359.45*	
		For Baked Enamel Standard Colors, Add	*539.17*	
		For Anodized Finish, Add	*718.89*	
		For Kynar® Standard Colors Finish, Add	*988.48*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,200.27	163.24
		For Flange Frame, Add	*187.38*	
		For Clear Lacquer Finish, Add	*374.76*	
		For Baked Enamel Standard Colors, Add	*562.13*	
		For Anodized Finish, Add	*749.51*	
		For Kynar® Standard Colors Finish, Add	*1,030.58*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,359.24	173.24
		For Flange Frame, Add	*201.28*	
		For Clear Lacquer Finish, Add	*402.55*	
		For Baked Enamel Standard Colors, Add	*603.83*	
		For Anodized Finish, Add	*805.10*	
		For Kynar® Standard Colors Finish, Add	*1,107.02*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	626.39	49.98
		For Flange Frame, Add	*52.65*	
		For Clear Lacquer Finish, Add	*105.29*	
		For Baked Enamel Standard Colors, Add	*157.94*	
		For Anodized Finish, Add	*210.58*	
		For Kynar® Standard Colors Finish, Add	*289.55*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	810.46	66.63
		For Flange Frame, Add	*67.72*	
		For Clear Lacquer Finish, Add	*135.44*	
		For Baked Enamel Standard Colors, Add	*203.16*	
		For Anodized Finish, Add	*270.88*	
		For Kynar® Standard Colors Finish, Add	*372.46*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	945.87	76.63
		For Flange Frame, Add	*79.26*	
		For Clear Lacquer Finish, Add	*158.52*	
		For Baked Enamel Standard Colors, Add	*237.79*	
		For Anodized Finish, Add	*317.05*	
		For Kynar® Standard Colors Finish, Add	*435.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,103.65	86.61
		For Flange Frame, Add	*93.04*	
		For Clear Lacquer Finish, Add	*186.08*	
		For Baked Enamel Standard Colors, Add	*279.12*	
		For Anodized Finish, Add	*372.16*	
		For Kynar® Standard Colors Finish, Add	*511.73*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,272.45	93.28
		For Flange Frame, Add	*108.59*	
		For Clear Lacquer Finish, Add	*217.18*	
		For Baked Enamel Standard Colors, Add	*325.76*	
		For Anodized Finish, Add	*434.35*	
		For Kynar® Standard Colors Finish, Add	*597.23*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,414.92	103.27
		For Flange Frame, Add	*120.84*	
		For Clear Lacquer Finish, Add	*241.67*	
		For Baked Enamel Standard Colors, Add	*362.51*	
		For Anodized Finish, Add	*483.34*	
		For Kynar® Standard Colors Finish, Add	*664.60*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,521.28	109.94
		For Flange Frame, Add	*130.14*	
		For Clear Lacquer Finish, Add	*260.28*	
		For Baked Enamel Standard Colors, Add	*390.42*	
		For Anodized Finish, Add	*520.56*	
		For Kynar® Standard Colors Finish, Add	*715.77*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,670.82	119.93
		For Flange Frame, Add	*143.10*	
		For Clear Lacquer Finish, Add	*286.19*	
		For Baked Enamel Standard Colors, Add	*429.29*	
		For Anodized Finish, Add	*572.38*	
		For Kynar® Standard Colors Finish, Add	*787.02*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,790.15	126.60
		For Flange Frame, Add	*153.70*	
		For Clear Lacquer Finish, Add	*307.39*	
		For Baked Enamel Standard Colors, Add	*461.09*	
		For Anodized Finish, Add	*614.78*	
		For Kynar® Standard Colors Finish, Add	*845.32*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,972.25	139.92
		For Flange Frame, Add	*169.24*	
		For Clear Lacquer Finish, Add	*338.48*	
		For Baked Enamel Standard Colors, Add	*507.72*	
		For Anodized Finish, Add	*676.96*	
		For Kynar® Standard Colors Finish, Add	*930.83*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,088.82	149.92
		For Flange Frame, Add	*178.90*	
		For Clear Lacquer Finish, Add	*357.80*	
		For Baked Enamel Standard Colors, Add	*536.70*	
		For Anodized Finish, Add	*715.60*	
		For Kynar® Standard Colors Finish, Add	*983.94*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,225.81	156.58
		For Flange Frame, Add	*191.27*	
		For Clear Lacquer Finish, Add	*382.53*	
		For Baked Enamel Standard Colors, Add	*573.80*	
		For Anodized Finish, Add	*765.06*	
		For Kynar® Standard Colors Finish, Add	*1,051.96*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,361.62	163.24
		For Flange Frame, Add	*203.51*	
		For Clear Lacquer Finish, Add	*407.03*	
		For Baked Enamel Standard Colors, Add	*610.54*	
		For Anodized Finish, Add	*814.05*	
		For Kynar® Standard Colors Finish, Add	*1,119.32*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,475.83	173.24
		For Flange Frame, Add	*212.94*	
		For Clear Lacquer Finish, Add	*425.87*	
		For Baked Enamel Standard Colors, Add	*638.81*	
		For Anodized Finish, Add	*851.74*	
		For Kynar® Standard Colors Finish, Add	*1,171.14*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,656.00	183.23
		For Flange Frame, Add	*228.95*	
		For Clear Lacquer Finish, Add	*457.91*	
		For Baked Enamel Standard Colors, Add	*686.86*	
		For Anodized Finish, Add	*915.81*	
		For Kynar® Standard Colors Finish, Add	*1,259.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	695.07	56.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*58.18*	
		For Clear Lacquer Finish, Add	*116.36*	
		For Baked Enamel Standard Colors, Add	*174.54*	
		For Anodized Finish, Add	*232.72*	
		For Kynar® Standard Colors Finish, Add	*319.99*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	912.12	73.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.55*	
		For Clear Lacquer Finish, Add	*153.11*	
		For Baked Enamel Standard Colors, Add	*229.66*	
		For Anodized Finish, Add	*306.21*	
		For Kynar® Standard Colors Finish, Add	*421.04*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,054.60	83.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.80*	
		For Clear Lacquer Finish, Add	*177.60*	
		For Baked Enamel Standard Colors, Add	*266.41*	
		For Anodized Finish, Add	*355.21*	
		For Kynar® Standard Colors Finish, Add	*488.41*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,224.16	93.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*103.76*	
		For Clear Lacquer Finish, Add	*207.52*	
		For Baked Enamel Standard Colors, Add	*311.28*	
		For Anodized Finish, Add	*415.04*	
		For Kynar® Standard Colors Finish, Add	*570.67*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,414.44	101.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*121.19*	
		For Clear Lacquer Finish, Add	*242.38*	
		For Baked Enamel Standard Colors, Add	*363.57*	
		For Anodized Finish, Add	*484.76*	
		For Kynar® Standard Colors Finish, Add	*666.54*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,562.50	109.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,690.07	116.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*145.69*	
		For Clear Lacquer Finish, Add	*291.37*	
		For Baked Enamel Standard Colors, Add	*437.06*	
		For Anodized Finish, Add	*582.74*	
		For Kynar® Standard Colors Finish, Add	*801.27*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,860.82	126.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*160.76*	
		For Clear Lacquer Finish, Add	*321.52*	
		For Baked Enamel Standard Colors, Add	*482.29*	
		For Anodized Finish, Add	*643.05*	
		For Kynar® Standard Colors Finish, Add	*884.19*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,990.32	136.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.71*	
		For Clear Lacquer Finish, Add	*343.43*	
		For Baked Enamel Standard Colors, Add	*515.14*	
		For Anodized Finish, Add	*686.86*	
		For Kynar® Standard Colors Finish, Add	*944.43*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,195.22	146.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.21*	
		For Clear Lacquer Finish, Add	*380.41*	
		For Baked Enamel Standard Colors, Add	*570.62*	
		For Anodized Finish, Add	*760.82*	
		For Kynar® Standard Colors Finish, Add	*1,046.13*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,330.63	156.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.75*	
		For Clear Lacquer Finish, Add	*403.49*	
		For Baked Enamel Standard Colors, Add	*605.24*	
		For Anodized Finish, Add	*806.99*	
		For Kynar® Standard Colors Finish, Add	*1,109.61*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,477.04	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*215.06*	
		For Clear Lacquer Finish, Add	*430.11*	
		For Baked Enamel Standard Colors, Add	*645.17*	
		For Anodized Finish, Add	*860.22*	
		For Kynar® Standard Colors Finish, Add	*1,182.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,629.35	169.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.95*	
		For Clear Lacquer Finish, Add	*457.91*	
		For Baked Enamel Standard Colors, Add	*686.86*	
		For Anodized Finish, Add	*915.81*	
		For Kynar® Standard Colors Finish, Add	*1,259.24*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,760.04	179.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*240.02*	
		For Clear Lacquer Finish, Add	*480.05*	
		For Baked Enamel Standard Colors, Add	*720.07*	
		For Anodized Finish, Add	*960.09*	
		For Kynar® Standard Colors Finish, Add	*1,320.13*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,963.76	189.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*258.40*	
		For Clear Lacquer Finish, Add	*516.79*	
		For Baked Enamel Standard Colors, Add	*775.19*	
		For Anodized Finish, Add	*1,033.58*	
		For Kynar® Standard Colors Finish, Add	*1,421.18*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	808.51	63.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*68.19*	
		For Clear Lacquer Finish, Add	*136.38*	
		For Baked Enamel Standard Colors, Add	*204.57*	
		For Anodized Finish, Add	*272.76*	
		For Kynar® Standard Colors Finish, Add	*375.05*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	991.39	79.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*83.15*	
		For Clear Lacquer Finish, Add	*166.30*	
		For Baked Enamel Standard Colors, Add	*249.44*	
		For Anodized Finish, Add	*332.59*	
		For Kynar® Standard Colors Finish, Add	*457.31*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,149.18	89.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*96.93*	
		For Clear Lacquer Finish, Add	*193.86*	
		For Baked Enamel Standard Colors, Add	*290.78*	
		For Anodized Finish, Add	*387.71*	
		For Kynar® Standard Colors Finish, Add	*533.10*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,344.26	103.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*113.77*	
		For Clear Lacquer Finish, Add	*227.54*	
		For Baked Enamel Standard Colors, Add	*341.31*	
		For Anodized Finish, Add	*455.08*	
		For Kynar® Standard Colors Finish, Add	*625.74*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,550.73	109.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*133.09*	
		For Clear Lacquer Finish, Add	*266.17*	
		For Baked Enamel Standard Colors, Add	*399.26*	
		For Anodized Finish, Add	*532.34*	
		For Kynar® Standard Colors Finish, Add	*731.97*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,715.98	116.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,858.87	123.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*161.23*	
		For Clear Lacquer Finish, Add	*322.47*	
		For Baked Enamel Standard Colors, Add	*483.70*	
		For Anodized Finish, Add	*644.93*	
		For Kynar® Standard Colors Finish, Add	*886.78*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,029.60	133.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.31*	
		For Clear Lacquer Finish, Add	*352.62*	
		For Baked Enamel Standard Colors, Add	*528.92*	
		For Anodized Finish, Add	*705.23*	
		For Kynar® Standard Colors Finish, Add	*969.69*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,175.61	143.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*188.91*	
		For Clear Lacquer Finish, Add	*377.82*	
		For Baked Enamel Standard Colors, Add	*566.73*	
		For Anodized Finish, Add	*755.64*	
		For Kynar® Standard Colors Finish, Add	*1,039.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,402.88	153.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*209.64*	
		For Clear Lacquer Finish, Add	*419.28*	
		For Baked Enamel Standard Colors, Add	*628.91*	
		For Anodized Finish, Add	*838.55*	
		For Kynar® Standard Colors Finish, Add	*1,153.01*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,548.89	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*222.24*	
		For Clear Lacquer Finish, Add	*444.48*	
		For Baked Enamel Standard Colors, Add	*666.72*	
		For Anodized Finish, Add	*888.96*	
		For Kynar® Standard Colors Finish, Add	*1,222.32*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,714.14	169.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.43*	
		For Clear Lacquer Finish, Add	*474.86*	
		For Baked Enamel Standard Colors, Add	*712.30*	
		For Anodized Finish, Add	*949.73*	
		For Kynar® Standard Colors Finish, Add	*1,305.88*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,880.57	176.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.49*	
		For Baked Enamel Standard Colors, Add	*758.23*	
		For Anodized Finish, Add	*1,010.97*	
		For Kynar® Standard Colors Finish, Add	*1,390.09*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,034.82	186.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.17*	
		For Clear Lacquer Finish, Add	*532.34*	
		For Baked Enamel Standard Colors, Add	*798.51*	
		For Anodized Finish, Add	*1,064.68*	
		For Kynar® Standard Colors Finish, Add	*1,463.93*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,253.85	196.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.07*	
		For Clear Lacquer Finish, Add	*572.15*	
		For Baked Enamel Standard Colors, Add	*858.22*	
		For Anodized Finish, Add	*1,144.29*	
		For Kynar® Standard Colors Finish, Add	*1,573.40*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	884.25	69.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.43*	
		For Clear Lacquer Finish, Add	*148.87*	
		For Baked Enamel Standard Colors, Add	*223.30*	
		For Anodized Finish, Add	*297.73*	
		For Kynar® Standard Colors Finish, Add	*409.38*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,083.63	86.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*91.04*	
		For Clear Lacquer Finish, Add	*182.08*	
		For Baked Enamel Standard Colors, Add	*273.12*	
		For Anodized Finish, Add	*364.16*	
		For Kynar® Standard Colors Finish, Add	*500.71*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,269.28	99.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.94*	
		For Clear Lacquer Finish, Add	*213.88*	
		For Baked Enamel Standard Colors, Add	*320.82*	
		For Anodized Finish, Add	*427.76*	
		For Kynar® Standard Colors Finish, Add	*588.16*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,461.22	109.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.13*	
		For Clear Lacquer Finish, Add	*248.27*	
		For Baked Enamel Standard Colors, Add	*372.40*	
		For Anodized Finish, Add	*496.54*	
		For Kynar® Standard Colors Finish, Add	*682.74*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,697.14	116.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*146.39*	
		For Clear Lacquer Finish, Add	*292.79*	
		For Baked Enamel Standard Colors, Add	*439.18*	
		For Anodized Finish, Add	*585.57*	
		For Kynar® Standard Colors Finish, Add	*805.16*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,888.31	123.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.35*	
		For Baked Enamel Standard Colors, Add	*492.53*	
		For Anodized Finish, Add	*656.71*	
		For Kynar® Standard Colors Finish, Add	*902.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,046.09	133.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.96*	
		For Clear Lacquer Finish, Add	*355.91*	
		For Baked Enamel Standard Colors, Add	*533.87*	
		For Anodized Finish, Add	*711.83*	
		For Kynar® Standard Colors Finish, Add	*978.76*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,294.56	143.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*200.81*	
		For Clear Lacquer Finish, Add	*401.61*	
		For Baked Enamel Standard Colors, Add	*602.42*	
		For Anodized Finish, Add	*803.22*	
		For Kynar® Standard Colors Finish, Add	*1,104.43*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,402.88	153.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*209.64*	
		For Clear Lacquer Finish, Add	*419.28*	
		For Baked Enamel Standard Colors, Add	*628.91*	
		For Anodized Finish, Add	*838.55*	
		For Kynar® Standard Colors Finish, Add	*1,153.01*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,645.46	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*231.90*	
		For Clear Lacquer Finish, Add	*463.79*	
		For Baked Enamel Standard Colors, Add	*695.69*	
		For Anodized Finish, Add	*927.59*	
		For Kynar® Standard Colors Finish, Add	*1,275.43*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,813.85	173.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*246.74*	
		For Clear Lacquer Finish, Add	*493.47*	
		For Baked Enamel Standard Colors, Add	*740.21*	
		For Anodized Finish, Add	*986.95*	
		For Kynar® Standard Colors Finish, Add	*1,357.05*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,997.95	179.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*263.81*	
		For Clear Lacquer Finish, Add	*527.63*	
		For Baked Enamel Standard Colors, Add	*791.44*	
		For Anodized Finish, Add	*1,055.26*	
		For Kynar® Standard Colors Finish, Add	*1,450.98*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,182.04	186.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*280.89*	
		For Clear Lacquer Finish, Add	*561.78*	
		For Baked Enamel Standard Colors, Add	*842.67*	
		For Anodized Finish, Add	*1,123.56*	
		For Kynar® Standard Colors Finish, Add	*1,544.90*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,335.52	193.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*294.91*	
		For Clear Lacquer Finish, Add	*589.81*	
		For Baked Enamel Standard Colors, Add	*884.72*	
		For Anodized Finish, Add	*1,179.62*	
		For Kynar® Standard Colors Finish, Add	*1,621.98*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,587.53	203.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*318.11*	
		For Clear Lacquer Finish, Add	*636.22*	
		For Baked Enamel Standard Colors, Add	*954.32*	
		For Anodized Finish, Add	*1,272.43*	
		For Kynar® Standard Colors Finish, Add	*1,749.59*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	979.62	79.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*81.97*	
		For Clear Lacquer Finish, Add	*163.94*	
		For Baked Enamel Standard Colors, Add	*245.91*	
		For Anodized Finish, Add	*327.88*	
		For Kynar® Standard Colors Finish, Add	*450.84*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,202.55	96.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*100.93*	
		For Clear Lacquer Finish, Add	*201.86*	
		For Baked Enamel Standard Colors, Add	*302.80*	
		For Anodized Finish, Add	*403.73*	
		For Kynar® Standard Colors Finish, Add	*555.13*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,407.82	113.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*118.13*	
		For Clear Lacquer Finish, Add	*236.25*	
		For Baked Enamel Standard Colors, Add	*354.38*	
		For Anodized Finish, Add	*472.51*	
		For Kynar® Standard Colors Finish, Add	*649.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,613.11	119.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.32*	
		For Clear Lacquer Finish, Add	*274.65*	
		For Baked Enamel Standard Colors, Add	*411.97*	
		For Anodized Finish, Add	*549.30*	
		For Kynar® Standard Colors Finish, Add	*755.28*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,894.97	126.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.35*	
		For Baked Enamel Standard Colors, Add	*492.53*	
		For Anodized Finish, Add	*656.71*	
		For Kynar® Standard Colors Finish, Add	*902.97*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,090.84	133.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,275.71	143.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*198.92*	
		For Clear Lacquer Finish, Add	*397.84*	
		For Baked Enamel Standard Colors, Add	*596.76*	
		For Anodized Finish, Add	*795.68*	
		For Kynar® Standard Colors Finish, Add	*1,094.06*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,546.56	153.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*224.01*	
		For Clear Lacquer Finish, Add	*448.01*	
		For Baked Enamel Standard Colors, Add	*672.02*	
		For Anodized Finish, Add	*896.02*	
		For Kynar® Standard Colors Finish, Add	*1,232.03*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,737.32	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.08*	
		For Clear Lacquer Finish, Add	*482.17*	
		For Baked Enamel Standard Colors, Add	*723.25*	
		For Anodized Finish, Add	*964.33*	
		For Kynar® Standard Colors Finish, Add	*1,325.96*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,021.13	173.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*267.47*	
		For Clear Lacquer Finish, Add	*534.93*	
		For Baked Enamel Standard Colors, Add	*802.40*	
		For Anodized Finish, Add	*1,069.86*	
		For Kynar® Standard Colors Finish, Add	*1,471.06*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,204.05	179.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*284.42*	
		For Clear Lacquer Finish, Add	*568.85*	
		For Baked Enamel Standard Colors, Add	*853.27*	
		For Anodized Finish, Add	*1,137.70*	
		For Kynar® Standard Colors Finish, Add	*1,564.33*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,412.88	186.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.98*	
		For Clear Lacquer Finish, Add	*607.95*	
		For Baked Enamel Standard Colors, Add	*911.93*	
		For Anodized Finish, Add	*1,215.90*	
		For Kynar® Standard Colors Finish, Add	*1,671.86*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,613.47	193.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*322.70*	
		For Clear Lacquer Finish, Add	*645.40*	
		For Baked Enamel Standard Colors, Add	*968.10*	
		For Anodized Finish, Add	*1,290.80*	
		For Kynar® Standard Colors Finish, Add	*1,774.86*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,779.90	199.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*338.01*	
		For Clear Lacquer Finish, Add	*676.02*	
		For Baked Enamel Standard Colors, Add	*1,014.03*	
		For Anodized Finish, Add	*1,352.04*	
		For Kynar® Standard Colors Finish, Add	*1,859.06*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,073.13	209.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*365.34*	
		For Clear Lacquer Finish, Add	*730.67*	
		For Baked Enamel Standard Colors, Add	*1,096.01*	
		For Anodized Finish, Add	*1,461.34*	
		For Kynar® Standard Colors Finish, Add	*2,009.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,053.01	86.61
		For Flange Frame, Add	*87.98*	
		For Clear Lacquer Finish, Add	*175.95*	
		For Baked Enamel Standard Colors, Add	*263.93*	
		For Anodized Finish, Add	*351.91*	
		For Kynar® Standard Colors Finish, Add	*483.87*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,299.10	106.61
		For Flange Frame, Add	*108.59*	
		For Clear Lacquer Finish, Add	*217.18*	
		For Baked Enamel Standard Colors, Add	*325.76*	
		For Anodized Finish, Add	*434.35*	
		For Kynar® Standard Colors Finish, Add	*597.23*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,509.47	119.93
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,746.57	126.60
		For Flange Frame, Add	*149.34*	
		For Clear Lacquer Finish, Add	*298.67*	
		For Baked Enamel Standard Colors, Add	*448.01*	
		For Anodized Finish, Add	*597.35*	
		For Kynar® Standard Colors Finish, Add	*821.35*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,040.97	136.59
		For Flange Frame, Add	*176.78*	
		For Clear Lacquer Finish, Add	*353.56*	
		For Baked Enamel Standard Colors, Add	*530.34*	
		For Anodized Finish, Add	*707.12*	
		For Kynar® Standard Colors Finish, Add	*972.28*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,260.40	143.25
		For Flange Frame, Add	*197.39*	
		For Clear Lacquer Finish, Add	*394.78*	
		For Baked Enamel Standard Colors, Add	*592.17*	
		For Anodized Finish, Add	*789.56*	
		For Kynar® Standard Colors Finish, Add	*1,085.64*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,453.52	153.25
		For Flange Frame, Add	*214.70*	
		For Clear Lacquer Finish, Add	*429.40*	
		For Baked Enamel Standard Colors, Add	*644.11*	
		For Anodized Finish, Add	*858.81*	
		For Kynar® Standard Colors Finish, Add	*1,180.86*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,743.21	163.24
		For Flange Frame, Add	*241.67*	
		For Clear Lacquer Finish, Add	*483.34*	
		For Baked Enamel Standard Colors, Add	*725.02*	
		For Anodized Finish, Add	*966.69*	
		For Kynar® Standard Colors Finish, Add	*1,329.20*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,948.11	173.24
		For Flange Frame, Add	*260.16*	
		For Clear Lacquer Finish, Add	*520.33*	
		For Baked Enamel Standard Colors, Add	*780.49*	
		For Anodized Finish, Add	*1,040.65*	
		For Kynar® Standard Colors Finish, Add	*1,430.90*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,255.47	183.23
		For Flange Frame, Add	*288.90*	
		For Clear Lacquer Finish, Add	*577.80*	
		For Baked Enamel Standard Colors, Add	*866.70*	
		For Anodized Finish, Add	*1,155.60*	
		For Kynar® Standard Colors Finish, Add	*1,588.95*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,450.17	189.90
		For Flange Frame, Add	*307.04*	
		For Clear Lacquer Finish, Add	*614.07*	
		For Baked Enamel Standard Colors, Add	*921.11*	
		For Anodized Finish, Add	*1,228.15*	
		For Kynar® Standard Colors Finish, Add	*1,688.70*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,671.95	196.56
		For Flange Frame, Add	*327.88*	
		For Clear Lacquer Finish, Add	*655.77*	
		For Baked Enamel Standard Colors, Add	*983.65*	
		For Anodized Finish, Add	*1,311.53*	
		For Kynar® Standard Colors Finish, Add	*1,803.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,889.03	203.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,073.13	209.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*365.34*	
		For Clear Lacquer Finish, Add	*730.67*	
		For Baked Enamel Standard Colors, Add	*1,096.01*	
		For Anodized Finish, Add	*1,461.34*	
		For Kynar® Standard Colors Finish, Add	*2,009.34*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,379.70	216.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*394.66*	
		For Clear Lacquer Finish, Add	*789.32*	
		For Baked Enamel Standard Colors, Add	*1,183.98*	
		For Anodized Finish, Add	*1,578.64*	
		For Kynar® Standard Colors Finish, Add	*2,170.64*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,213.56	93.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*102.70*	
		For Clear Lacquer Finish, Add	*205.40*	
		For Baked Enamel Standard Colors, Add	*308.10*	
		For Anodized Finish, Add	*410.80*	
		For Kynar® Standard Colors Finish, Add	*564.84*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,500.86	113.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.43*	
		For Clear Lacquer Finish, Add	*254.86*	
		For Baked Enamel Standard Colors, Add	*382.29*	
		For Anodized Finish, Add	*509.72*	
		For Kynar® Standard Colors Finish, Add	*700.87*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,749.29	133.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.28*	
		For Clear Lacquer Finish, Add	*296.55*	
		For Baked Enamel Standard Colors, Add	*444.83*	
		For Anodized Finish, Add	*593.11*	
		For Kynar® Standard Colors Finish, Add	*815.52*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,007.58	139.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*172.77*	
		For Clear Lacquer Finish, Add	*345.55*	
		For Baked Enamel Standard Colors, Add	*518.32*	
		For Anodized Finish, Add	*691.10*	
		For Kynar® Standard Colors Finish, Add	*950.26*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,350.68	146.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.75*	
		For Clear Lacquer Finish, Add	*411.50*	
		For Baked Enamel Standard Colors, Add	*617.25*	
		For Anodized Finish, Add	*823.00*	
		For Kynar® Standard Colors Finish, Add	*1,131.63*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,590.14	153.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.36*	
		For Clear Lacquer Finish, Add	*456.73*	
		For Baked Enamel Standard Colors, Add	*685.09*	
		For Anodized Finish, Add	*913.46*	
		For Kynar® Standard Colors Finish, Add	*1,256.00*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,820.94	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*249.45*	
		For Clear Lacquer Finish, Add	*498.89*	
		For Baked Enamel Standard Colors, Add	*748.34*	
		For Anodized Finish, Add	*997.78*	
		For Kynar® Standard Colors Finish, Add	*1,371.95*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,091.79	173.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.53*	
		For Clear Lacquer Finish, Add	*549.06*	
		For Baked Enamel Standard Colors, Add	*823.59*	
		For Anodized Finish, Add	*1,098.12*	
		For Kynar® Standard Colors Finish, Add	*1,509.92*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,321.42	183.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*295.50*	
		For Clear Lacquer Finish, Add	*590.99*	
		For Baked Enamel Standard Colors, Add	*886.49*	
		For Anodized Finish, Add	*1,181.98*	
		For Kynar® Standard Colors Finish, Add	*1,625.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,674.30	196.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*328.12*	
		For Clear Lacquer Finish, Add	*656.24*	
		For Baked Enamel Standard Colors, Add	*984.35*	
		For Anodized Finish, Add	*1,312.47*	
		For Kynar® Standard Colors Finish, Add	*1,804.65*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,895.69	206.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,130.42	213.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*370.40*	
		For Clear Lacquer Finish, Add	*740.80*	
		For Baked Enamel Standard Colors, Add	*1,111.20*	
		For Anodized Finish, Add	*1,481.60*	
		For Kynar® Standard Colors Finish, Add	*2,037.19*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,369.88	219.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*393.01*	
		For Clear Lacquer Finish, Add	*786.02*	
		For Baked Enamel Standard Colors, Add	*1,179.04*	
		For Anodized Finish, Add	*1,572.05*	
		For Kynar® Standard Colors Finish, Add	*2,161.57*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,577.53	226.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*412.45*	
		For Clear Lacquer Finish, Add	*824.89*	
		For Baked Enamel Standard Colors, Add	*1,237.34*	
		For Anodized Finish, Add	*1,649.78*	
		For Kynar® Standard Colors Finish, Add	*2,268.45*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,919.44	233.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*445.30*	
		For Clear Lacquer Finish, Add	*890.61*	
		For Baked Enamel Standard Colors, Add	*1,335.91*	
		For Anodized Finish, Add	*1,781.21*	
		For Kynar® Standard Colors Finish, Add	*2,449.17*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,281.06	99.94
		Note: Includes bird screen.		
		For Flange Frame, Add	*108.12*	
		For Clear Lacquer Finish, Add	*216.23*	
		For Baked Enamel Standard Colors, Add	*324.35*	
		For Anodized Finish, Add	*432.47*	
		For Kynar® Standard Colors Finish, Add	*594.64*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,582.49	119.93
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.26*	
		For Clear Lacquer Finish, Add	*268.52*	
		For Baked Enamel Standard Colors, Add	*402.79*	
		For Anodized Finish, Add	*537.05*	
		For Kynar® Standard Colors Finish, Add	*738.44*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,843.88	139.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.40*	
		For Clear Lacquer Finish, Add	*312.81*	
		For Baked Enamel Standard Colors, Add	*469.21*	
		For Anodized Finish, Add	*625.62*	
		For Kynar® Standard Colors Finish, Add	*860.22*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,124.15	149.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,491.98	156.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*217.88*	
		For Clear Lacquer Finish, Add	*435.76*	
		For Baked Enamel Standard Colors, Add	*653.65*	
		For Anodized Finish, Add	*871.53*	
		For Kynar® Standard Colors Finish, Add	*1,198.35*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,744.39	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*241.79*	
		For Clear Lacquer Finish, Add	*483.58*	
		For Baked Enamel Standard Colors, Add	*725.37*	
		For Anodized Finish, Add	*967.16*	
		For Kynar® Standard Colors Finish, Add	*1,329.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,990.51	173.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*264.40*	
		For Clear Lacquer Finish, Add	*528.81*	
		For Baked Enamel Standard Colors, Add	*793.21*	
		For Anodized Finish, Add	*1,057.61*	
		For Kynar® Standard Colors Finish, Add	*1,454.22*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,270.01	179.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*291.02*	
		For Clear Lacquer Finish, Add	*582.04*	
		For Baked Enamel Standard Colors, Add	*873.06*	
		For Anodized Finish, Add	*1,164.08*	
		For Kynar® Standard Colors Finish, Add	*1,600.61*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,510.23	189.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*313.04*	
		For Clear Lacquer Finish, Add	*626.09*	
		For Baked Enamel Standard Colors, Add	*939.13*	
		For Anodized Finish, Add	*1,252.17*	
		For Kynar® Standard Colors Finish, Add	*1,721.74*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,895.69	206.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*348.26*	
		For Clear Lacquer Finish, Add	*696.52*	
		For Baked Enamel Standard Colors, Add	*1,044.77*	
		For Anodized Finish, Add	*1,393.03*	
		For Kynar® Standard Colors Finish, Add	*1,915.42*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,139.44	216.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*370.64*	
		For Clear Lacquer Finish, Add	*741.27*	
		For Baked Enamel Standard Colors, Add	*1,111.91*	
		For Anodized Finish, Add	*1,482.54*	
		For Kynar® Standard Colors Finish, Add	*2,038.49*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,381.25	223.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*393.48*	
		For Clear Lacquer Finish, Add	*786.97*	
		For Baked Enamel Standard Colors, Add	*1,180.45*	
		For Anodized Finish, Add	*1,573.93*	
		For Kynar® Standard Colors Finish, Add	*2,164.16*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,626.59	229.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*416.68*	
		For Clear Lacquer Finish, Add	*833.37*	
		For Baked Enamel Standard Colors, Add	*1,250.05*	
		For Anodized Finish, Add	*1,666.74*	
		For Kynar® Standard Colors Finish, Add	*2,291.76*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,856.62	236.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*438.36*	
		For Clear Lacquer Finish, Add	*876.71*	
		For Baked Enamel Standard Colors, Add	*1,315.07*	
		For Anodized Finish, Add	*1,753.42*	
		For Kynar® Standard Colors Finish, Add	*2,410.95*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,220.91	243.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*473.45*	
		For Clear Lacquer Finish, Add	*946.90*	
		For Baked Enamel Standard Colors, Add	*1,420.35*	
		For Anodized Finish, Add	*1,893.80*	
		For Kynar® Standard Colors Finish, Add	*2,603.98*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,362.69	106.61
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.95*	
		For Clear Lacquer Finish, Add	*229.89*	
		For Baked Enamel Standard Colors, Add	*344.84*	
		For Anodized Finish, Add	*459.79*	
		For Kynar® Standard Colors Finish, Add	*632.21*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,672.38	126.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*141.92*	
		For Clear Lacquer Finish, Add	*283.84*	
		For Baked Enamel Standard Colors, Add	*425.75*	
		For Anodized Finish, Add	*567.67*	
		For Kynar® Standard Colors Finish, Add	*780.55*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,939.65	146.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.65*	
		For Clear Lacquer Finish, Add	*329.30*	
		For Baked Enamel Standard Colors, Add	*493.94*	
		For Anodized Finish, Add	*658.59*	
		For Kynar® Standard Colors Finish, Add	*905.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,238.76	156.58
		Note: Includes bird screen.		
		For Flange Frame, Add	*192.56*	
		For Clear Lacquer Finish, Add	*385.12*	
		For Baked Enamel Standard Colors, Add	*577.68*	
		For Anodized Finish, Add	*770.24*	
		For Kynar® Standard Colors Finish, Add	*1,059.08*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,627.79	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*230.13*	
		For Clear Lacquer Finish, Add	*460.26*	
		For Baked Enamel Standard Colors, Add	*690.39*	
		For Anodized Finish, Add	*920.52*	
		For Kynar® Standard Colors Finish, Add	*1,265.72*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,890.80	169.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.10*	
		For Clear Lacquer Finish, Add	*510.20*	
		For Baked Enamel Standard Colors, Add	*765.29*	
		For Anodized Finish, Add	*1,020.39*	
		For Kynar® Standard Colors Finish, Add	*1,403.04*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,154.59	179.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*279.48*	
		For Clear Lacquer Finish, Add	*558.96*	
		For Baked Enamel Standard Colors, Add	*838.43*	
		For Anodized Finish, Add	*1,117.91*	
		For Kynar® Standard Colors Finish, Add	*1,537.13*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,450.56	186.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*307.74*	
		For Clear Lacquer Finish, Add	*615.49*	
		For Baked Enamel Standard Colors, Add	*923.23*	
		For Anodized Finish, Add	*1,230.97*	
		For Kynar® Standard Colors Finish, Add	*1,692.59*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,708.46	196.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.53*	
		For Clear Lacquer Finish, Add	*663.07*	
		For Baked Enamel Standard Colors, Add	*994.60*	
		For Anodized Finish, Add	*1,326.14*	
		For Kynar® Standard Colors Finish, Add	*1,823.44*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,118.64	213.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*369.22*	
		For Clear Lacquer Finish, Add	*738.44*	
		For Baked Enamel Standard Colors, Add	*1,107.66*	
		For Anodized Finish, Add	*1,476.88*	
		For Kynar® Standard Colors Finish, Add	*2,030.72*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,374.18	223.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*392.78*	
		For Clear Lacquer Finish, Add	*785.55*	
		For Baked Enamel Standard Colors, Add	*1,178.33*	
		For Anodized Finish, Add	*1,571.10*	
		For Kynar® Standard Colors Finish, Add	*2,160.27*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,641.50	233.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*417.51*	
		For Clear Lacquer Finish, Add	*835.02*	
		For Baked Enamel Standard Colors, Add	*1,252.53*	
		For Anodized Finish, Add	*1,670.04*	
		For Kynar® Standard Colors Finish, Add	*2,296.30*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,886.84	239.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*440.71*	
		For Clear Lacquer Finish, Add	*881.42*	
		For Baked Enamel Standard Colors, Add	*1,322.13*	
		For Anodized Finish, Add	*1,762.84*	
		For Kynar® Standard Colors Finish, Add	*2,423.91*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,132.18	246.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*463.91*	
		For Clear Lacquer Finish, Add	*927.82*	
		For Baked Enamel Standard Colors, Add	*1,391.74*	
		For Anodized Finish, Add	*1,855.65*	
		For Kynar® Standard Colors Finish, Add	*2,551.52*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,520.03	253.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*501.36*	
		For Clear Lacquer Finish, Add	*1,002.73*	
		For Baked Enamel Standard Colors, Add	*1,504.09*	
		For Anodized Finish, Add	*2,005.46*	
		For Kynar® Standard Colors Finish, Add	*2,757.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,429.02	113.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*120.25*	
		For Clear Lacquer Finish, Add	*240.49*	
		For Baked Enamel Standard Colors, Add	*360.74*	
		For Anodized Finish, Add	*480.99*	
		For Kynar® Standard Colors Finish, Add	*661.36*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,751.65	133.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.51*	
		For Clear Lacquer Finish, Add	*297.03*	
		For Baked Enamel Standard Colors, Add	*445.54*	
		For Anodized Finish, Add	*594.05*	
		For Kynar® Standard Colors Finish, Add	*816.82*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,047.20	153.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*174.07*	
		For Clear Lacquer Finish, Add	*348.14*	
		For Baked Enamel Standard Colors, Add	*522.21*	
		For Anodized Finish, Add	*696.28*	
		For Kynar® Standard Colors Finish, Add	*957.39*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,355.74	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*202.93*	
		For Clear Lacquer Finish, Add	*405.85*	
		For Baked Enamel Standard Colors, Add	*608.78*	
		For Anodized Finish, Add	*811.70*	
		For Kynar® Standard Colors Finish, Add	*1,116.09*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,769.50	169.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*242.97*	
		For Clear Lacquer Finish, Add	*485.94*	
		For Baked Enamel Standard Colors, Add	*728.90*	
		For Anodized Finish, Add	*971.87*	
		For Kynar® Standard Colors Finish, Add	*1,336.32*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,047.81	176.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.47*	
		For Clear Lacquer Finish, Add	*538.93*	
		For Baked Enamel Standard Colors, Add	*808.40*	
		For Anodized Finish, Add	*1,077.87*	
		For Kynar® Standard Colors Finish, Add	*1,482.07*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,317.48	186.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*294.44*	
		For Clear Lacquer Finish, Add	*588.87*	
		For Baked Enamel Standard Colors, Add	*883.31*	
		For Anodized Finish, Add	*1,177.74*	
		For Kynar® Standard Colors Finish, Add	*1,619.39*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,637.02	193.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*325.06*	
		For Clear Lacquer Finish, Add	*650.11*	
		For Baked Enamel Standard Colors, Add	*975.17*	
		For Anodized Finish, Add	*1,300.22*	
		For Kynar® Standard Colors Finish, Add	*1,787.81*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,907.87	203.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*350.14*	
		For Clear Lacquer Finish, Add	*700.28*	
		For Baked Enamel Standard Colors, Add	*1,050.43*	
		For Anodized Finish, Add	*1,400.57*	
		For Kynar® Standard Colors Finish, Add	*1,925.78*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,342.79	219.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*390.30*	
		For Clear Lacquer Finish, Add	*780.61*	
		For Baked Enamel Standard Colors, Add	*1,170.91*	
		For Anodized Finish, Add	*1,561.21*	
		For Kynar® Standard Colors Finish, Add	*2,146.67*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,607.75	229.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*414.80*	
		For Clear Lacquer Finish, Add	*829.60*	
		For Baked Enamel Standard Colors, Add	*1,244.40*	
		For Anodized Finish, Add	*1,659.20*	
		For Kynar® Standard Colors Finish, Add	*2,281.40*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,898.62	239.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*441.89*	
		For Clear Lacquer Finish, Add	*883.78*	
		For Baked Enamel Standard Colors, Add	*1,325.66*	
		For Anodized Finish, Add	*1,767.55*	
		For Kynar® Standard Colors Finish, Add	*2,430.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,209.91	246.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*471.69*	
		For Clear Lacquer Finish, Add	*943.37*	
		For Baked Enamel Standard Colors, Add	*1,415.06*	
		For Anodized Finish, Add	*1,886.74*	
		For Kynar® Standard Colors Finish, Add	*2,594.27*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,490.59	253.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*498.42*	
		For Clear Lacquer Finish, Add	*996.84*	
		For Baked Enamel Standard Colors, Add	*1,495.26*	
		For Anodized Finish, Add	*1,993.68*	
		For Kynar® Standard Colors Finish, Add	*2,741.31*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,907.88	259.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*538.82*	
		For Clear Lacquer Finish, Add	*1,077.63*	
		For Baked Enamel Standard Colors, Add	*1,616.45*	
		For Anodized Finish, Add	*2,155.26*	
		For Kynar® Standard Colors Finish, Add	*2,963.49*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,516.14	123.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*126.96*	
		For Clear Lacquer Finish, Add	*253.92*	
		For Baked Enamel Standard Colors, Add	*380.88*	
		For Anodized Finish, Add	*507.84*	
		For Kynar® Standard Colors Finish, Add	*698.28*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,843.48	143.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*155.70*	
		For Clear Lacquer Finish, Add	*311.39*	
		For Baked Enamel Standard Colors, Add	*467.09*	
		For Anodized Finish, Add	*622.79*	
		For Kynar® Standard Colors Finish, Add	*856.33*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,150.81	163.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*182.43*	
		For Clear Lacquer Finish, Add	*364.86*	
		For Baked Enamel Standard Colors, Add	*547.30*	
		For Anodized Finish, Add	*729.73*	
		For Kynar® Standard Colors Finish, Add	*1,003.38*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,468.77	173.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.23*	
		For Clear Lacquer Finish, Add	*424.46*	
		For Baked Enamel Standard Colors, Add	*636.69*	
		For Anodized Finish, Add	*848.92*	
		For Kynar® Standard Colors Finish, Add	*1,167.26*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,910.79	179.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*255.10*	
		For Clear Lacquer Finish, Add	*510.20*	
		For Baked Enamel Standard Colors, Add	*765.29*	
		For Anodized Finish, Add	*1,020.39*	
		For Kynar® Standard Colors Finish, Add	*1,403.04*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,198.53	186.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*282.54*	
		For Clear Lacquer Finish, Add	*565.08*	
		For Baked Enamel Standard Colors, Add	*847.62*	
		For Anodized Finish, Add	*1,130.16*	
		For Kynar® Standard Colors Finish, Add	*1,553.97*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,473.32	193.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*308.69*	
		For Clear Lacquer Finish, Add	*617.37*	
		For Baked Enamel Standard Colors, Add	*926.06*	
		For Anodized Finish, Add	*1,234.74*	
		For Kynar® Standard Colors Finish, Add	*1,697.77*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,810.53	199.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*341.07*	
		For Clear Lacquer Finish, Add	*682.15*	
		For Baked Enamel Standard Colors, Add	*1,023.22*	
		For Anodized Finish, Add	*1,364.30*	
		For Kynar® Standard Colors Finish, Add	*1,875.91*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,095.51	209.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*367.57*	
		For Clear Lacquer Finish, Add	*735.15*	
		For Baked Enamel Standard Colors, Add	*1,102.72*	
		For Anodized Finish, Add	*1,470.29*	
		For Kynar® Standard Colors Finish, Add	*2,021.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,555.15	226.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*410.21*	
		For Clear Lacquer Finish, Add	*820.41*	
		For Baked Enamel Standard Colors, Add	*1,230.62*	
		For Anodized Finish, Add	*1,640.83*	
		For Kynar® Standard Colors Finish, Add	*2,256.14*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,831.89	236.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*435.88*	
		For Clear Lacquer Finish, Add	*871.76*	
		For Baked Enamel Standard Colors, Add	*1,307.65*	
		For Anodized Finish, Add	*1,743.53*	
		For Kynar® Standard Colors Finish, Add	*2,397.35*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,148.67	246.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*465.56*	
		For Clear Lacquer Finish, Add	*931.12*	
		For Baked Enamel Standard Colors, Add	*1,396.68*	
		For Anodized Finish, Add	*1,862.24*	
		For Kynar® Standard Colors Finish, Add	*2,560.59*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,478.81	253.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*497.24*	
		For Clear Lacquer Finish, Add	*994.48*	
		For Baked Enamel Standard Colors, Add	*1,491.73*	
		For Anodized Finish, Add	*1,988.97*	
		For Kynar® Standard Colors Finish, Add	*2,734.83*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,759.08	263.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*523.27*	
		For Clear Lacquer Finish, Add	*1,046.54*	
		For Baked Enamel Standard Colors, Add	*1,569.81*	
		For Anodized Finish, Add	*2,093.08*	
		For Kynar® Standard Colors Finish, Add	*2,877.99*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,201.11	269.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*566.14*	
		For Clear Lacquer Finish, Add	*1,132.28*	
		For Baked Enamel Standard Colors, Add	*1,698.42*	
		For Anodized Finish, Add	*2,264.56*	
		For Kynar® Standard Colors Finish, Add	*3,113.77*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,591.48	133.26
		Note: Includes bird screen.		
		For Flange Frame, Add	*132.50*	
		For Clear Lacquer Finish, Add	*264.99*	
		For Baked Enamel Standard Colors, Add	*397.49*	
		For Anodized Finish, Add	*529.98*	
		For Kynar® Standard Colors Finish, Add	*728.73*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,930.60	153.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*162.41*	
		For Clear Lacquer Finish, Add	*324.82*	
		For Baked Enamel Standard Colors, Add	*487.23*	
		For Anodized Finish, Add	*649.64*	
		For Kynar® Standard Colors Finish, Add	*893.26*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,253.24	173.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.68*	
		For Clear Lacquer Finish, Add	*381.35*	
		For Baked Enamel Standard Colors, Add	*572.03*	
		For Anodized Finish, Add	*762.70*	
		For Kynar® Standard Colors Finish, Add	*1,048.72*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,588.87	183.23
		Note: Includes bird screen.		
		For Flange Frame, Add	*222.24*	
		For Clear Lacquer Finish, Add	*444.48*	
		For Baked Enamel Standard Colors, Add	*666.72*	
		For Anodized Finish, Add	*888.96*	
		For Kynar® Standard Colors Finish, Add	*1,222.32*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,045.03	189.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*266.52*	
		For Clear Lacquer Finish, Add	*533.05*	
		For Baked Enamel Standard Colors, Add	*799.57*	
		For Anodized Finish, Add	*1,066.09*	
		For Kynar® Standard Colors Finish, Add	*1,465.88*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,381.05	196.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*298.79*	
		For Clear Lacquer Finish, Add	*597.59*	
		For Baked Enamel Standard Colors, Add	*896.38*	
		For Anodized Finish, Add	*1,195.17*	
		For Kynar® Standard Colors Finish, Add	*1,643.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,673.50	203.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*326.71*	
		For Clear Lacquer Finish, Add	*653.41*	
		For Baked Enamel Standard Colors, Add	*980.12*	
		For Anodized Finish, Add	*1,306.82*	
		For Kynar® Standard Colors Finish, Add	*1,796.88*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,994.22	209.89
		Note: Includes bird screen.		
		For Flange Frame, Add	*357.44*	
		For Clear Lacquer Finish, Add	*714.89*	
		For Baked Enamel Standard Colors, Add	*1,072.33*	
		For Anodized Finish, Add	*1,429.78*	
		For Kynar® Standard Colors Finish, Add	*1,965.94*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,291.37	216.55
		Note: Includes bird screen.		
		For Flange Frame, Add	*385.83*	
		For Clear Lacquer Finish, Add	*771.66*	
		For Baked Enamel Standard Colors, Add	*1,157.48*	
		For Anodized Finish, Add	*1,543.31*	
		For Kynar® Standard Colors Finish, Add	*2,122.05*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,785.18	233.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*431.88*	
		For Clear Lacquer Finish, Add	*863.75*	
		For Baked Enamel Standard Colors, Add	*1,295.63*	
		For Anodized Finish, Add	*1,727.51*	
		For Kynar® Standard Colors Finish, Add	*2,375.32*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,804.09	243.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.77*	
		For Clear Lacquer Finish, Add	*663.54*	
		For Baked Enamel Standard Colors, Add	*995.31*	
		For Anodized Finish, Add	*1,327.08*	
		For Kynar® Standard Colors Finish, Add	*1,824.73*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,395.19	253.20
		Note: Includes bird screen.		
		For Flange Frame, Add	*488.88*	
		For Clear Lacquer Finish, Add	*977.76*	
		For Baked Enamel Standard Colors, Add	*1,466.64*	
		For Anodized Finish, Add	*1,955.52*	
		For Kynar® Standard Colors Finish, Add	*2,688.84*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,737.11	259.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*521.74*	
		For Clear Lacquer Finish, Add	*1,043.48*	
		For Baked Enamel Standard Colors, Add	*1,565.22*	
		For Anodized Finish, Add	*2,086.96*	
		For Kynar® Standard Colors Finish, Add	*2,869.56*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,031.51	269.85
		Note: Includes bird screen.		
		For Flange Frame, Add	*549.18*	
		For Clear Lacquer Finish, Add	*1,098.36*	
		For Baked Enamel Standard Colors, Add	*1,647.54*	
		For Anodized Finish, Add	*2,196.72*	
		For Kynar® Standard Colors Finish, Add	*3,020.49*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,507.29	279.84
		Note: Includes bird screen.		
		For Flange Frame, Add	*594.76*	
		For Clear Lacquer Finish, Add	*1,189.52*	
		For Baked Enamel Standard Colors, Add	*1,784.28*	
		For Anodized Finish, Add	*2,379.04*	
		For Kynar® Standard Colors Finish, Add	*3,271.17*	

08 91 19 00-0227 Fixed Hurricane Louvers *(08 91 19)*

08 91 19 00-0228	EA	24" x 24" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	2,195.02	63.30
08 91 19 00-0229	EA	36" x 36" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	3,257.29	101.28
08 91 19 00-0230	EA	48" x 48" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	3,962.86	133.26
08 91 19 00-0231	EA	54" x 54" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	4,523.77	153.25
08 91 19 00-0232	EA	60" x 60" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	5,247.48	173.24
08 91 19 00-0233	EA	72" x 96" x 5" Depth, Aluminum Hurricane Louvers (Greenheck EVH-501D)	8,491.94	243.21

08 91 19 00-0234 Gable Louver Vents *(08 91 19)*

Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0235 Aluminum Gable Louver Vents *(08 91 19 00-0234)*

Note: Includes screen.

08 91 19 00-0236 Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0235)*

Note: Includes screen.

08 91 19 00-0237	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	183.70	13.58
08 91 19 00-0238	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	201.98	15.59
08 91 19 00-0239	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	232.50	17.61
08 91 19 00-0240	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	254.16	18.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0241	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	288.04	19.82
08 91 19 00-0242	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	324.40	23.77
08 91 19 00-0243	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	378.95	29.71
08 91 19 00-0244	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	424.42	34.67
08 91 19 00-0245	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	488.06	41.61
08 91 19 00-0246	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	615.33	55.47
08 91 19 00-0247		Square Aluminum Gable Louver Vents *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0248	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	168.25	12.50
08 91 19 00-0249	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	208.84	15.85
08 91 19 00-0250	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	260.25	18.70
08 91 19 00-0251	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	333.50	24.76
08 91 19 00-0252	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	433.51	35.67
08 91 19 00-0253	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	551.59	48.51
08 91 19 00-0254	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	688.08	63.40
08 91 19 00-0255		Round Aluminum Gable Louver Vents *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0256	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	168.25	12.50
08 91 19 00-0257	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	208.84	15.85
08 91 19 00-0258	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	260.25	18.70
08 91 19 00-0259	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	333.50	24.76
08 91 19 00-0260	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	433.51	35.67
08 91 19 00-0261	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	551.70	48.54
08 91 19 00-0262		Octagonal Aluminum Gable Louver Vents *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0263	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	168.25	12.50
08 91 19 00-0264	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	183.70	13.58
08 91 19 00-0265	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	201.98	15.59
08 91 19 00-0266	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	208.84	15.85
08 91 19 00-0267	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	232.50	17.61
08 91 19 00-0268	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	254.16	18.71
08 91 19 00-0269	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	260.25	18.70
08 91 19 00-0270	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	288.04	19.82
08 91 19 00-0271	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	324.40	23.77
08 91 19 00-0272	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	333.50	24.76
08 91 19 00-0273	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	378.95	29.71
08 91 19 00-0274	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	424.42	34.67
08 91 19 00-0275	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	433.51	35.67
08 91 19 00-0276	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	488.06	41.61
08 91 19 00-0277	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	542.61	47.55
08 91 19 00-0278	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	551.70	48.54
08 91 19 00-0279	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	615.33	55.47
08 91 19 00-0280	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	688.08	63.40
08 91 19 00-0281		Round Top Aluminum Gable Louver Vents *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0282	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	168.25	12.50
08 91 19 00-0283	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	183.70	13.58
08 91 19 00-0284	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	201.98	15.59
08 91 19 00-0285	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	208.84	15.85
08 91 19 00-0286	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	232.50	17.61
08 91 19 00-0287	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	254.16	18.71
08 91 19 00-0288	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	260.25	18.70
08 91 19 00-0289	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	288.04	19.82
08 91 19 00-0290	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	324.40	23.77
08 91 19 00-0291	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	333.50	24.76
08 91 19 00-0292	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	378.95	29.71
08 91 19 00-0293	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	424.42	34.67
08 91 19 00-0294	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	433.51	35.67
08 91 19 00-0295	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	488.06	41.61
08 91 19 00-0296	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	542.61	47.55
08 91 19 00-0297	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	551.70	48.54
08 91 19 00-0298	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	615.33	55.47
08 91 19 00-0299	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	688.08	63.40
08 91 19 00-0300		Triangle Aluminum Gable Louver Vents *(08 91 19 00-0235)*		
		Note: Includes screen.		
08 91 19 00-0301	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	336.55	15.59
08 91 19 00-0302	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	382.60	18.70
08 91 19 00-0303	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	410.38	19.82
08 91 19 00-0304	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	471.21	23.77
08 91 19 00-0305	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	523.13	24.76
08 91 19 00-0306	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	440.12	29.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0307	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	516.18	34.67
08 91 19 00-0308	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	580.32	35.67
08 91 19 00-0309	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	659.34	41.61
08 91 19 00-0310	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	542.61	47.55
08 91 19 00-0311	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	618.99	48.54
08 91 19 00-0312	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	713.20	55.47
08 91 19 00-0313	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	810.42	63.40
08 91 19 00-0314	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	912.19	72.85
08 91 19 00-0315		**Vinyl Gable Louver Vents** *(08 91 19 00-0234)*		
		Note: Includes screen.		
08 91 19 00-0316	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	79.30	12.50
08 91 19 00-0317	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	95.08	13.58
08 91 19 00-0318	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	129.27	17.61
08 91 19 00-0319	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	174.92	19.82
08 91 19 00-0320	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	124.55	15.85
08 91 19 00-0321	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	144.13	18.70
08 91 19 00-0322	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	202.43	24.76
08 91 19 00-0323	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	295.58	35.67
08 91 19 00-0324	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	124.55	15.85
08 91 19 00-0325	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	140.84	17.61
08 91 19 00-0326	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	180.26	19.82
08 91 19 00-0327	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	256.77	29.71
08 91 19 00-0328	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	598.79	47.55
08 91 19 00-0329	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	122.11	15.59
08 91 19 00-0330	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	169.21	19.82
08 91 19 00-0331	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	176.94	23.77
08 91 19 00-0332	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	393.68	29.71
08 91 19 00-0333	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	393.68	29.71
08 91 19 00-0334	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	393.68	29.71
08 91 19 00-0335	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	393.68	29.71
08 91 19 00-0336	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	393.68	29.71
08 91 19 00-0337	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	447.23	47.55
08 91 19 00-0338	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	447.23	47.55
08 91 19 00-0339	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	447.23	47.55
08 91 19 00-0340	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	447.23	47.55
08 91 19 00-0341		**Wooden Gable Louver Vents** *(08 91 19 00-0234)*		
		Note: Includes screen.		
08 91 19 00-0342		**Square Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0343	EA	12" x 12" Square Fixed Wooden Cedar Gable Louver Vent	148.44	12.50
08 91 19 00-0344	EA	18" x 18" Square Fixed Wooden Cedar Gable Louver Vent	194.45	15.85
08 91 19 00-0345	EA	24" x 24" Square Fixed Wooden Cedar Gable Louver Vent	256.98	18.70
08 91 19 00-0346	EA	30" x 30" Square Fixed Wooden Cedar Gable Louver Vent	366.59	24.76
08 91 19 00-0347	EA	36" x 36" Square Fixed Wooden Cedar Gable Louver Vent	501.28	35.67
08 91 19 00-0348	EA	42" x 42" Square Fixed Wooden Cedar Gable Louver Vent	668.31	48.51
08 91 19 00-0349	EA	48" x 48" Square Fixed Wooden Cedar Gable Louver Vent	868.33	63.40
08 91 19 00-0350		**Rectangular Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0351	EA	12" x 18" Rectangular Fixed Wooden Cedar Gable Louver Vent	167.07	13.58
08 91 19 00-0352	EA	12" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent	188.52	15.59
08 91 19 00-0353	EA	18" x 24" Rectangular Fixed Wooden Cedar Gable Louver Vent	222.02	17.61
08 91 19 00-0354	EA	18" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent	247.61	18.71
08 91 19 00-0355	EA	24" x 30" Rectangular Fixed Wooden Cedar Gable Louver Vent	290.49	19.82
08 91 19 00-0356	EA	24" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent	332.57	23.77
08 91 19 00-0357	EA	30" x 36" Rectangular Fixed Wooden Cedar Gable Louver Vent	423.90	29.71
08 91 19 00-0358	EA	30" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent	481.21	34.67
08 91 19 00-0359	EA	36" x 42" Rectangular Fixed Wooden Cedar Gable Louver Vent	571.49	41.61
08 91 19 00-0360	EA	42" x 48" Rectangular Fixed Wooden Cedar Gable Louver Vent	752.47	55.47
08 91 19 00-0361		**Round Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0362	EA	12" Diameter Round Fixed Wooden Cedar Gable Louver Vent	132.31	12.50
08 91 19 00-0363	EA	18" Diameter Round Fixed Wooden Cedar Gable Louver Vent	237.15	15.85
08 91 19 00-0364	EA	24" Diameter Round Fixed Wooden Cedar Gable Louver Vent	352.36	18.70
08 91 19 00-0365	EA	30" Diameter Round Fixed Wooden Cedar Gable Louver Vent	465.50	24.76
08 91 19 00-0366	EA	36" Diameter Round Fixed Wooden Cedar Gable Louver Vent	621.42	35.67
08 91 19 00-0367	EA	42" Diameter Round Fixed Wooden Cedar Gable Louver Vent	793.68	48.54
08 91 19 00-0368		**Octagonal Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0369	EA	12" x 12" Octagonal Fixed Wooden Cedar Gable Louver Vent	173.07	12.50
08 91 19 00-0370	EA	12" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent	191.70	13.58
08 91 19 00-0371	EA	12" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	213.16	15.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0372	EA	18" x 18" Octagonal Fixed Wooden Cedar Gable Louver Vent	219.08	15.85
08 91 19 00-0373	EA	18" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	246.65	17.61
08 91 19 00-0374	EA	18" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	272.24	18.71
08 91 19 00-0375	EA	24" x 24" Octagonal Fixed Wooden Cedar Gable Louver Vent	281.61	18.70
08 91 19 00-0376	EA	24" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	315.12	19.82
08 91 19 00-0377	EA	24" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	357.20	23.77
08 91 19 00-0378	EA	30" x 30" Octagonal Fixed Wooden Cedar Gable Louver Vent	391.22	24.76
08 91 19 00-0379	EA	30" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	448.53	29.71
08 91 19 00-0380	EA	30" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	505.84	34.67
08 91 19 00-0381	EA	36" x 36" Octagonal Fixed Wooden Cedar Gable Louver Vent	525.92	35.67
08 91 19 00-0382	EA	36" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	596.12	41.61
08 91 19 00-0383	EA	36" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	666.33	47.55
08 91 19 00-0384	EA	42" x 42" Octagonal Fixed Wooden Cedar Gable Louver Vent	693.06	48.54
08 91 19 00-0385	EA	42" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	777.10	55.47
08 91 19 00-0386	EA	48" x 48" Octagonal Fixed Wooden Cedar Gable Louver Vent	892.96	63.40
08 91 19 00-0387		**Round Top Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0388	EA	12" x 12" Round Top Fixed Wooden Cedar Gable Louver Vent	152.13	12.50
08 91 19 00-0389	EA	12" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent	170.77	13.58
08 91 19 00-0390	EA	12" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	192.22	15.59
08 91 19 00-0391	EA	18" x 18" Round Top Fixed Wooden Cedar Gable Louver Vent	198.14	15.85
08 91 19 00-0392	EA	18" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	225.72	17.61
08 91 19 00-0393	EA	18" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	251.30	18.71
08 91 19 00-0394	EA	24" x 24" Round Top Fixed Wooden Cedar Gable Louver Vent	260.68	18.70
08 91 19 00-0395	EA	24" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	294.19	19.82
08 91 19 00-0396	EA	24" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	336.27	23.77
08 91 19 00-0397	EA	30" x 30" Round Top Fixed Wooden Cedar Gable Louver Vent	370.28	24.76
08 91 19 00-0398	EA	30" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	427.59	29.71
08 91 19 00-0399	EA	30" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	484.91	34.67
08 91 19 00-0400	EA	36" x 36" Round Top Fixed Wooden Cedar Gable Louver Vent	504.98	35.67
08 91 19 00-0401	EA	36" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	575.19	41.61
08 91 19 00-0402	EA	36" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	645.40	47.55
08 91 19 00-0403	EA	42" x 42" Round Top Fixed Wooden Cedar Gable Louver Vent	672.12	48.54
08 91 19 00-0404	EA	42" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	756.16	55.47
08 91 19 00-0405	EA	48" x 48" Round Top Fixed Wooden Cedar Gable Louver Vent	872.02	63.40
08 91 19 00-0406		**Triangle Wooden Gable Louver Vents** *(08 91 19 00-0341)*		
		Note: Includes screen.		
08 91 19 00-0407	EA	4' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	289.48	18.70
08 91 19 00-0408	EA	4' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	306.52	19.82
08 91 19 00-0409	EA	5' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	318.41	23.77
08 91 19 00-0410	EA	5' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	332.83	24.76
08 91 19 00-0411	EA	5' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	361.42	29.71
08 91 19 00-0412	EA	6' Base 4/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	364.51	34.67
08 91 19 00-0413	EA	6' Base 5/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	379.27	35.67
08 91 19 00-0414	EA	6' Base 6/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	450.43	41.61
08 91 19 00-0415	EA	6' Base 7/12 Slope Triangle Fixed Wooden Cedar Gable Louver Vent	503.47	47.55
08 91 19 00-0416		**Composite Gable Louvers** *(08 91 19 00-0234)*		
08 91 19 00-0417		**Round Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0418		**Round Composite Gable Louvers** *(08 91 19 00-0417)*		
08 91 19 00-0419	EA	12" Diameter, Functional, Round Composite Gable Louver	118.15	18.56
08 91 19 00-0420	EA	12" Diameter, Non-Functional, Round Composite Gable Louver	109.88	18.56
08 91 19 00-0421	EA	18" Diameter, Functional, Round Composite Gable Louver	152.20	21.42
08 91 19 00-0422	EA	18" Diameter, Non-Functional, Round Composite Gable Louver	140.96	21.42
08 91 19 00-0423	EA	24" Diameter, Functional, Round Composite Gable Louver	191.30	24.99
08 91 19 00-0424	EA	24" Diameter, Non-Functional, Round Composite Gable Louver	176.71	24.99
08 91 19 00-0425		**Round Composite Gable Louvers With Keystones** *(08 91 19 00-0417)*		
08 91 19 00-0426	EA	18" Diameter, Functional, Round Composite Gable Louver With Keystones	258.41	21.42
08 91 19 00-0427	EA	18" Diameter, Non-Functional, Round Composite Gable Louver With Keystones	247.26	21.42
08 91 19 00-0428	EA	24" Diameter, Functional, Round Composite Gable Louver With Keystones	274.83	24.99
08 91 19 00-0429	EA	24" Diameter, Non-Functional, Round Composite Gable Louver With Keystones	265.26	24.99
08 91 19 00-0430		**Half Round Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0431		**Half Round Composite Gable Louvers** *(08 91 19 00-0430)*		
08 91 19 00-0432	EA	24" Diameter, Functional, Half Round Composite Gable Louver	170.58	24.99
08 91 19 00-0433	EA	24" Diameter, Non-Functional, Half Round Composite Gable Louver	162.40	24.99
08 91 19 00-0434	EA	36" Diameter, Functional, Half Round Composite Gable Louver	227.78	32.12
08 91 19 00-0435	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver	213.47	32.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0436		**Half Round Composite Gable Louvers With Keystones** *(08 91 19 00-0430)*		
08 91 19 00-0437	EA	36" Diameter, Functional, Half Round Composite Gable Louver With Keystones	321.82	32.12
08 91 19 00-0438	EA	36" Diameter, Non-Functional, Half Round Composite Gable Louver With Keystones	292.75	32.12
08 91 19 00-0439		**Triangle Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0440	EA	48" W x 10" H, Functional, Triangle, Composite Gable Louver	267.63	39.27
08 91 19 00-0441	EA	48" W x 10" H, Non-Functional, Triangle, Composite Gable Louver	256.38	39.27
08 91 19 00-0442	EA	48" W x 12" H, Functional, Triangle Composite Gable Louver	279.87	42.84
08 91 19 00-0443	EA	48" W x 12" H, Non-Functional, Triangle Composite Gable Louver	267.60	42.84
08 91 19 00-0444		**Octagon Composite Gable Louvers** *(08 91 19 00-0416)*		
08 91 19 00-0445	EA	12", Functional, Octagon Composite Gable Louver	221.98	18.56
08 91 19 00-0446	EA	12", Non-Functional, Octagon Composite Gable Louver	216.61	18.56
08 91 19 00-0447	EA	18", Functional, Octagon Composite Gable Louver	143.00	21.42
08 91 19 00-0448	EA	18", Non-Functional, Octagon Composite Gable Louver	136.87	21.42

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001		**Aluminum Soffit Vents** *(08 95 13)*		
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	9.27	3.07
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	16.08	6.00
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	27.99	8.00
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	29.29	8.00
08 95 13 00-0006		**Vinyl Soffit Vents** *(08 95 13)*		
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	8.11	3.44
		For Colors, Add	*0.13*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	8.55	3.44
		For Colors, Add	*0.17*	

08 95 16 Wall Vents *(08 95)*

08 95 16 00-0001		**Foundation Vents** *(08 95 16)*		
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.56	0.23
08 95 16 00-0003	SI	Aluminum Foundation Vent	1.26	0.23
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.22	0.23
08 95 16 00-0005	SI	Plastic Foundation Vent	0.66	0.23

END OF SECTION 08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	24.50
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	19.78
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.76
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.64
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	14.00

09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.

09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.35
		For ASTM C840 Level 1 Finish, Deduct	*-1.14*
		For ASTM C840 Level 2 Finish, Deduct	*-0.57*
		For ASTM C840 Level 3 Finish, Deduct	*-0.23*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.74*

09 01 20 91-0009 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	23.91
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	19.19
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	15.65
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	12.10
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.73
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	7.37

09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	22.77
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	20.14
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	18.56
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	17.23
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	16.08
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	14.80

09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	43.03
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	31.21
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	22.94
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	18.21

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	8.84
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	11.02
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	56.32

09 01 50 Maintenance of Ceilings *(09 01)*

09 01 50 91 Ceiling Restoration *(09 01 50)*

09 01 50 91-0001 Repair Ceiling Suspension System *(09 01 50 91)*
See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	376.10	
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.79	
09 01 60 91-0004	SF	Repair Existing Terrazzo	25.08	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	5.87	

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

09 01 60 91-0007	CSF	Steam Clean Carpet	49.30	
		For Up To 1, Add	*23.35*	
		For >1 To 5, Add	*9.34*	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	54.52	
		For Up To 1, Add	*24.65*	
		For >1 To 5, Add	*9.86*	
		For Additional Coat, Add	*45.70*	
		For Stripping Existing Wax From Floor, Add	*51.78*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	33.60	
		For Up To 1, Add	*13.30*	
		For >1 To 5, Add	*5.32*	
		For Additional Coat, Add	*29.68*	
		For Stripping Existing Wax From Floor, Add	*51.78*	
09 01 60 91-0010	MSF	Vacuum Floors	27.28	

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/8" of material per pass	10.61
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/4" of material per pass	20.87
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	8.55

09 01 60 91-0015 Floor Sealants *(09 01 60 91)*

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.48
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	1.61
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.82
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	37.89

09 01 80 Maintenance of Acoustic Treatment *(09 01)*

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment *(09 01 80)*

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	3.06

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.52	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.85	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.33	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.33*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.20*	
		For >30,000, Deduct	*-0.27*	
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.90	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.61	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.37*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.66	
		For Up To 100, Add	*5.01*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 15,000, Deduct	*-0.26*	
		For >15,000 To 30,000, Deduct	*-0.39*	
		For >30,000, Deduct	*-0.52*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 Lb. of sand or glass abrasive media material per SF	4.17	
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.43*	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*5.02*	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*8.34*	
		For Up To 100, Add	*7.20*	
		For >100 To 250, Add	*1.90*	
		For >250 To 500, Add	*0.93*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.39*	
		For >15,000 To 30,000, Deduct	*-0.60*	
		For >30,000, Deduct	*-0.80*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.40	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.68	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.28	
		For Up To 100, Add	*2.44*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.31*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.50	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.85	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	1.08	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.47	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.22*	
		For >30,000, Deduct	*-0.29*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.23	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.69	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.32*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.48	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.47*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	4.13	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.51*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.38*	
		For >15,000 To 30,000, Deduct	*-0.60*	
		For >30,000, Deduct	*-0.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.14	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 30,000, Deduct	*-0.45*	
		For >30,000, Deduct	*-0.60*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.90	
		For Up To 100, Add	*2.35*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 30,000, Deduct	*-0.56*	
		For >30,000, Deduct	*-0.74*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	5.04	
		For Up To 100, Add	*3.05*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.46*	
		For >15,000 To 30,000, Deduct	*-0.73*	
		For >30,000, Deduct	*-0.96*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.31	
		For Up To 100, Add	*3.81*	
		For >100 To 250, Add	*1.78*	
		For >250 To 500, Add	*0.76*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 15,000, Deduct	*-0.58*	
		For >15,000 To 30,000, Deduct	*-0.91*	
		For >30,000, Deduct	*-1.20*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.46	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	45.18	
		For Up To 100, Add	*33.60*	
		For >100 To 250, Add	*15.68*	
		For >250 To 500, Add	*6.72*	
		For >5,000 To 10,000, Deduct	*-2.25*	
		For >10,000 To 15,000, Deduct	*-4.50*	
		For >15,000 To 30,000, Deduct	*-6.77*	
		For >30,000, Deduct	*-9.02*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0037	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.71	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0038	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.96	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.10*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0039	SF	Steam Clean Wood Surfaces, Surface Preparation	0.88	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0040	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.60	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0041	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.95	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0042	SF	Sanding Wood Trim Surfaces, Surface Preparation	1.28	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.19*	
		For >30,000, Deduct	*-0.25*	
09 01 90 52-0043	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.89	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.19*	
		For >15,000 To 30,000, Deduct	*-0.28*	
		For >30,000, Deduct	*-0.37*	
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.85	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.98	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.46	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.72	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.51	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.93	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0051		Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*		
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.52	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.65	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0054		Prep Work *(09 01 90 52-0001)*		
09 01 90 52-0055	SF	Citrus Strip, Single Applications	1.27	
		Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 52-0056		Corrosive Inhibitor Sealant For Concrete *(09 01 90 52-0001)*		
09 01 90 52-0057	SF	Corrosive Inhibitor Sealant For Concrete	0.86	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 01 90 61		**Repainting** *(09 01 90)*		
09 01 90 61-0001		Touchup and "Spot" Painting Of Surfaces *(09 01 90 61)*		
		Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002	SF	"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	1.60	
09 01 90 91		**Paint Restoration** *(09 01 90)*		
09 01 90 91-0001		Paint Removal, Strip To Bare Wood *(09 01 90 91)*		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	8.23	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	8.76	

09 05 Common Work Results for Finishes *(09)*

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001		Moisture Vapor Reduction System (Koster VAP) *(09 05 61 13)*		
09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	17.20	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	13.65	
		Note: Clear		
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	9.10	
		Note: Clear		
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	7.59	
		Note: Clear		
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	6.06	
		Note: Clear		
09 05 61 13-0007		Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.61	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.77	

09 05 71 Acoustic Underlayment *(09 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 05 71 00-0001		Tile And Stone Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.85	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.58*	
09 05 71 00-0003		Resilient Floor Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	3.27	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.69	
09 05 71 00-0006	SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.61	

09 20 Plaster and Gypsum Board *(09)*

09 22 Supports for Plaster and Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

09 22 13 13-0001 Hat Furring Channel *(09 22 13 13)*

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.82	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.73*	
		For 12" On Center, Add	*0.95*	
		For 22 Gauge, Add	*0.73*	
		For 20 Gauge, Add	*1.61*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	6.39	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.84*	
		For 12" On Center, Add	*1.06*	
		For 22 Gauge, Add	*1.01*	
		For 20 Gauge, Add	*1.99*	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.18	3.36
		For Columns And Beams >10' High, Add	*1.35*	
		For 24" On Center, Deduct	*-0.96*	
		For 12" On Center, Add	*1.30*	
		For 22 Gauge, Add	*0.73*	
		For 20 Gauge, Add	*1.97*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.75	3.36
		For Columns And Beams >10' High, Add	*1.35*	
		For 24" On Center, Deduct	*-1.08*	
		For 12" On Center, Add	*1.41*	
		For 22 Gauge, Add	*1.01*	
		For 20 Gauge, Add	*2.34*	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.79	2.69
		For Ceilings >10' High, Add	*0.81*	
		For 24" On Center, Deduct	*-1.02*	
		For 12" On Center, Add	*1.29*	
		For 22 Gauge, Add	*1.21*	
		For 20 Gauge, Add	*2.40*	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	8.36	2.69
		For Ceilings >10' High, Add	*0.81*	
		For 24" On Center, Deduct	*-1.13*	
		For 12" On Center, Add	*1.40*	
		For 22 Gauge, Add	*1.49*	
		For 20 Gauge, Add	*2.77*	

09 22 13 13-0011 Z Furring Channel *(09 22 13 13)*

09 22 13 13-0012 Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*

09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.70	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.50*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.17*	
		For 20 Gauge, Add	*0.87*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.77	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.74*	
		For 22 Gauge, Add	*0.20*	
		For 20 Gauge, Add	*0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.83	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.53*	
		For 12" On Center, Add	*0.75*	
		For 22 Gauge, Add	*0.23*	
		For 20 Gauge, Add	*0.96*	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.88	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.54*	
		For 12" On Center, Add	*0.76*	
		For 22 Gauge, Add	*0.26*	
		For 20 Gauge, Add	*0.99*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.92	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.55*	
		For 12" On Center, Add	*0.77*	
		For 22 Gauge, Add	*0.28*	
		For 20 Gauge, Add	*1.02*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	5.08	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.58*	
		For 12" On Center, Add	*0.80*	
		For 20 Gauge, Add	*1.12*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	6.09	2.69
		For Ceilings >10' High, Add	*0.81*	
		For 24" On Center, Deduct	*-0.68*	
		For 12" On Center, Add	*0.95*	
		For 20 Gauge, Add	*1.28*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	5.34	2.19
		For Walls >10' High, Add	*0.66*	
		For 24" On Center, Deduct	*-0.63*	
		For 12" On Center, Add	*0.85*	
		For 20 Gauge, Add	*1.30*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	6.35	2.69
		For Ceilings >10' High, Add	*0.81*	
		For 24" On Center, Deduct	*-0.73*	
		For 12" On Center, Add	*1.00*	
		For 20 Gauge, Add	*1.45*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	3.83	0.91
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.77*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.20*	
		For Soffit, Columns Or Beams >10' High, Add	*2.88*	
		For Horizontal Installation Up To 10' High, Add	*0.72*	
		For Horizontal Installation >10' High, Add	*0.95*	
		For Curved Wall, Add	*0.68*	
		For 12" On Center, Add	*0.65*	
		For 24" On Center, Deduct	*-0.65*	
		For Up To 100, Add	*1.22*	
		For >100 To 300, Add	*0.61*	
		For >1,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.13	0.95
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.83*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.32*	
		For Soffit, Columns Or Beams >10' High, Add	*3.03*	
		For Horizontal Installation Up To 10' High, Add	*0.77*	
		For Horizontal Installation >10' High, Add	*1.01*	
		For Curved Wall, Add	*0.71*	
		For 12" On Center, Add	*0.71*	
		For 24" On Center, Deduct	*-0.71*	
		For Up To 100, Add	*1.30*	
		For >100 To 300, Add	*0.65*	
		For >1,000, Deduct	*-0.38*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.52	0.99
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.90*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.45*	
		For Soffit, Columns Or Beams >10' High, Add	*3.20*	
		For Horizontal Installation Up To 10' High, Add	*0.83*	
		For Horizontal Installation >10' High, Add	*1.08*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*0.78*	
		For 24" On Center, Deduct	*-0.78*	
		For Up To 100, Add	*1.40*	
		For >100 To 300, Add	*0.70*	
		For >1,000, Deduct	*-0.43*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.84	1.04
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.97*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.58*	
		For Soffit, Columns Or Beams >10' High, Add	*3.37*	
		For Horizontal Installation Up To 10' High, Add	*0.88*	
		For Horizontal Installation >10' High, Add	*1.14*	
		For Curved Wall, Add	*0.79*	
		For 12" On Center, Add	*0.84*	
		For 24" On Center, Deduct	*-0.84*	
		For Up To 100, Add	*1.49*	
		For >100 To 300, Add	*0.75*	
		For >1,000, Deduct	*-0.46*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	5.49	1.10
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.10*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.76*	
		For Soffit, Columns Or Beams >10' High, Add	*3.59*	
		For Horizontal Installation Up To 10' High, Add	*0.96*	
		For Horizontal Installation >10' High, Add	*1.24*	
		For Curved Wall, Add	*0.83*	
		For 12" On Center, Add	*0.96*	
		For 24" On Center, Deduct	*-0.96*	
		For Up To 100, Add	*1.65*	
		For >100 To 300, Add	*0.83*	
		For >1,000, Deduct	*-0.55*	

09 22 16 13-0007 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.42	0.92
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.88*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.31*	
		For Soffit, Columns Or Beams >10' High, Add	*3.01*	
		For Horizontal Installation Up To 10' High, Add	*0.79*	
		For Horizontal Installation >10' High, Add	*1.02*	
		For Curved Wall, Add	*0.70*	
		For 12" On Center, Add	*0.77*	
		For 24" On Center, Deduct	*-0.77*	
		For Up To 100, Add	*1.35*	
		For >100 To 300, Add	*0.68*	
		For >1,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	4.91	0.98
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*0.98*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.45*	
		For Soffit, Columns Or Beams >10' High, Add	*3.19*	
		For Horizontal Installation Up To 10' High, Add	*0.86*	
		For Horizontal Installation >10' High, Add	*1.10*	
		For Curved Wall, Add	*0.74*	
		For 12" On Center, Add	*0.86*	
		For 24" On Center, Deduct	*-0.86*	
		For Up To 100, Add	*1.47*	
		For >100 To 300, Add	*0.74*	
		For >1,000, Deduct	*-0.49*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	5.48	1.02
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.10*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.60*	
		For Soffit, Columns Or Beams >10' High, Add	*3.38*	
		For Horizontal Installation Up To 10' High, Add	*0.93*	
		For Horizontal Installation >10' High, Add	*1.19*	
		For Curved Wall, Add	*0.77*	
		For 12" On Center, Add	*0.97*	
		For 24" On Center, Deduct	*-0.97*	
		For Up To 100, Add	*1.61*	
		For >100 To 300, Add	*0.81*	
		For >1,000, Deduct	*-0.57*	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners Assembly	5.86	1.07
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.17*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.74*	
		For Soffit, Columns Or Beams >10' High, Add	*3.55*	
		For Horizontal Installation Up To 10' High, Add	*0.99*	
		For Horizontal Installation >10' High, Add	*1.26*	
		For Curved Wall, Add	*0.81*	
		For 12" On Center, Add	*1.04*	
		For 24" On Center, Deduct	*-1.04*	
		For Up To 100, Add	*1.71*	
		For >100 To 300, Add	*0.86*	
		For >1,000, Deduct	*-0.61*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	8.51	1.12
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.70*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.11*	
		For Soffit, Columns Or Beams >10' High, Add	*3.95*	
		For Horizontal Installation Up To 10' High, Add	*1.27*	
		For Horizontal Installation >10' High, Add	*1.56*	
		For Curved Wall, Add	*0.85*	
		For 12" On Center, Add	*1.56*	
		For 24" On Center, Deduct	*-1.56*	
		For Up To 100, Add	*2.27*	
		For >100 To 300, Add	*1.13*	
		For >1,000, Deduct	*-0.99*	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.13	0.99
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.43*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.71*	
		For Soffit, Columns Or Beams >10' High, Add	*3.46*	
		For Horizontal Installation Up To 10' High, Add	*1.09*	
		For Horizontal Installation >10' High, Add	*1.34*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*1.30*	
		For 24" On Center, Deduct	*-1.30*	
		For Up To 100, Add	*1.93*	
		For >100 To 300, Add	*0.96*	
		For >1,000, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.94	1.04
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.59*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.90*	
		For Soffit, Columns Or Beams >10' High, Add	*3.69*	
		For Horizontal Installation Up To 10' High, Add	*1.19*	
		For Horizontal Installation >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.79*	
		For 12" On Center, Add	*1.46*	
		For 24" On Center, Deduct	*-1.46*	
		For Up To 100, Add	*2.11*	
		For >100 To 300, Add	*1.06*	
		For >1,000, Deduct	*-0.93*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	8.56	1.10
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.71*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.06*	
		For Soffit, Columns Or Beams >10' High, Add	*3.89*	
		For Horizontal Installation Up To 10' High, Add	*1.27*	
		For Horizontal Installation >10' High, Add	*1.55*	
		For Curved Wall, Add	*0.83*	
		For 12" On Center, Add	*1.57*	
		For 24" On Center, Deduct	*-1.57*	
		For Up To 100, Add	*2.26*	
		For >100 To 300, Add	*1.13*	
		For >1,000, Deduct	*-1.01*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	11.45	1.15
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.29*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.47*	
		For Soffit, Columns Or Beams >10' High, Add	*4.34*	
		For Horizontal Installation Up To 10' High, Add	*1.58*	
		For Horizontal Installation >10' High, Add	*1.87*	
		For Curved Wall, Add	*0.87*	
		For 12" On Center, Add	*2.15*	
		For 24" On Center, Deduct	*-2.15*	
		For Up To 100, Add	*2.87*	
		For >100 To 300, Add	*1.44*	
		For >1,000, Deduct	*-1.43*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	12.52	1.23
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.50*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.68*	
		For Soffit, Columns Or Beams >10' High, Add	*4.60*	
		For Horizontal Installation Up To 10' High, Add	*1.71*	
		For Horizontal Installation >10' High, Add	*2.01*	
		For Curved Wall, Add	*0.91*	
		For 12" On Center, Add	*2.35*	
		For 24" On Center, Deduct	*-2.35*	
		For Up To 100, Add	*3.11*	
		For >100 To 300, Add	*1.56*	
		For >1,000, Deduct	*-1.57*	

09 22 16 13-0019 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assemblies *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	7.62	1.02
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.82*	
		For Soffit, Columns Or Beams >10' High, Add	*3.59*	
		For Horizontal Installation Up To 10' High, Add	*1.15*	
		For Horizontal Installation >10' High, Add	*1.40*	
		For Curved Wall, Add	*0.77*	
		For 12" On Center, Add	*1.40*	
		For 24" On Center, Deduct	*-1.40*	
		For Up To 100, Add	*2.04*	
		For >100 To 300, Add	*1.02*	
		For >1,000, Deduct	*-0.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	9.09	1.07
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.82*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.06*	
		For Soffit, Columns Or Beams >10' High, Add	*3.87*	
		For Horizontal Installation Up To 10' High, Add	*1.31*	
		For Horizontal Installation >10' High, Add	*1.58*	
		For Curved Wall, Add	*0.81*	
		For 12" On Center, Add	*1.68*	
		For 24" On Center, Deduct	*-1.68*	
		For Up To 100, Add	*2.36*	
		For >100 To 300, Add	*1.18*	
		For >1,000, Deduct	*-1.09*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	9.63	1.12
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*1.93*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.22*	
		For Soffit, Columns Or Beams >10' High, Add	*4.07*	
		For Horizontal Installation Up To 10' High, Add	*1.39*	
		For Horizontal Installation >10' High, Add	*1.67*	
		For Curved Wall, Add	*0.85*	
		For 12" On Center, Add	*1.79*	
		For 24" On Center, Deduct	*-1.79*	
		For Up To 100, Add	*2.49*	
		For >100 To 300, Add	*1.25*	
		For >1,000, Deduct	*-1.16*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	12.42	1.19
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.48*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.62*	
		For Soffit, Columns Or Beams >10' High, Add	*4.51*	
		For Horizontal Installation Up To 10' High, Add	*1.69*	
		For Horizontal Installation >10' High, Add	*1.98*	
		For Curved Wall, Add	*0.89*	
		For 12" On Center, Add	*2.34*	
		For 24" On Center, Deduct	*-2.34*	
		For Up To 100, Add	*3.08*	
		For >100 To 300, Add	*1.54*	
		For >1,000, Deduct	*-1.57*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners Assembly	13.75	1.26
		For Powder-Actuated Fasteners Every 2', Add	*0.06*	
		For Walls >10' High, Add	*2.75*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.87*	
		For Soffit, Columns Or Beams >10' High, Add	*4.81*	
		For Horizontal Installation Up To 10' High, Add	*1.84*	
		For Horizontal Installation >10' High, Add	*2.16*	
		For Curved Wall, Add	*0.94*	
		For 12" On Center, Add	*2.59*	
		For 24" On Center, Deduct	*-2.59*	
		For Up To 100, Add	*3.37*	
		For >100 To 300, Add	*1.69*	
		For >1,000, Deduct	*-1.75*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.75
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	2.13
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	2.71
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	3.31
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	3.89
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	4.62
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	2.22
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	2.74
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	3.62
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	4.50
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	5.41
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	6.42
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	3.00
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	3.71
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	5.00
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	6.30
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	7.70
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	9.06
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	3.51
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	4.39
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	6.02
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	7.66
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	9.41
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	11.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36		**Lath** *(09 22)*		
09 22 36 13		**Gypsum Lath** *(09 22 36)*		
09 22 36 13-0001		Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.79	0.60
		For Walls >10' High, Add	*0.15*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.45	0.70
		For Walls >10' High, Add	*0.18*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	3.12	0.80
		For Walls >10' High, Add	*0.20*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.27	0.84
		For Ceilings >10' High, Add	*0.26*	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.01	0.97
		For Ceilings >10' High, Add	*0.29*	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.76	1.12
		For Ceilings >10' High, Add	*0.34*	
		For Up To 100, Add	*1.12*	
		For >100 To 500, Add	*0.56*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.75	1.08
		For Columns And Beams >10' High, Add	*0.33*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.55*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	3.57	1.26
		For Columns And Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	4.40	1.46
		For Columns And Beams >10' High, Add	*0.43*	
		For Up To 100, Add	*1.44*	
		For >100 To 500, Add	*0.72*	
		For >5,000, Deduct	*-0.29*	
09 22 36 13-0011		Firestop Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.48	0.60
		For Walls >10' High, Add	*0.15*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.88	0.70
		For Walls >10' High, Add	*0.18*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.96	0.84
		For Ceilings >10' High, Add	*0.26*	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	3.44	0.97
		For Ceilings >10' High, Add	*0.29*	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.44	1.08
		For Columns And Beams >10' High, Add	*0.33*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.55*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	4.00	1.26
		For Columns And Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0018		**Foil Back Plaster Base Gypsum Panels** *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.48	0.60
		For Walls >10' High, Add	*0.15*	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.88	0.70
		For Walls >10' High, Add	*0.18*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.96	0.84
		For Ceilings >10' High, Add	*0.26*	
		For Up To 100, Add	*0.85*	
		For >100 To 500, Add	*0.43*	
		For >5,000, Deduct	*-0.17*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.44	0.97
		For Ceilings >10' High, Add	*0.29*	
		For Up To 100, Add	*0.98*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.44	1.08
		For Columns And Beams >10' High, Add	*0.33*	
		For Up To 100, Add	*1.09*	
		For >100 To 500, Add	*0.55*	
		For >5,000, Deduct	*-0.22*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	4.00	1.26
		For Columns And Beams >10' High, Add	*0.38*	
		For Up To 100, Add	*1.26*	
		For >100 To 500, Add	*0.63*	
		For >5,000, Deduct	*-0.25*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		**Flat Diamond, Expanded Metal Lath** *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.97	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.10	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.24	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.71	0.89
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.24	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.37	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.51	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.86	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.29	1.35
		For Columns And Beams >10' High, Add	*0.45*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.50*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.30*	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.43	1.35
		For Columns And Beams >10' High, Add	*0.45*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.50*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.30*	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.56	1.35
		For Columns And Beams >10' High, Add	*0.45*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.50*	
		For >100 To 500, Add	*0.75*	
		For >5,000, Deduct	*-0.30*	
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.66	1.69
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.87*	
		For >100 To 500, Add	*0.94*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0014		Self-Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*		
09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.09	0.89
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.22	0.89
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.36	0.89
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.71	0.89
		For Walls >10' High, Add	*0.25*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.04	1.69
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.87*	
		For >100 To 500, Add	*0.94*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.18	1.69
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.87*	
		For >100 To 500, Add	*0.94*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.31	1.69
		For Columns And Beams >10' High, Add	*0.56*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.87*	
		For >100 To 500, Add	*0.94*	
		For >5,000, Deduct	*-0.37*	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	6.19	1.93
		For Columns And Beams >10' High, Add	*0.64*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*2.14*	
		For >100 To 500, Add	*1.07*	
		For >5,000, Deduct	*-0.43*	
09 22 36 23-0023		High Rib Metal Lath *(09 22 36 23)*		
09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.62	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.81	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.94	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	4.16	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.93	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	4.19	0.95
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.07*	
		For >100 To 500, Add	*0.54*	
		For >5,000, Deduct	*-0.21*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.78	0.89
		For Walls >10' High, Add	*0.25*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	4.04	0.89
		For Walls >10' High, Add	*0.25*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	5.53	1.35
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	5.54	1.35
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	5.86	1.35
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	5.32	1.35
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	5.35	1.35

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	6.04	1.35
		For Vinyl Instead Of Galvanized, Add	*0.38*	
		For Zinc Instead Of Galvanized, Add	*2.54*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	6.04	1.35
		For Vinyl Instead Of Galvanized, Add	*0.38*	
		For Zinc Instead Of Galvanized, Add	*2.54*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	6.04	1.35
		For Vinyl Instead Of Galvanized, Add	*0.38*	
		For Zinc Instead Of Galvanized, Add	*2.54*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	6.43	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications	6.47	1.35

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.52	
		For Walls >10' High, Add	*0.13*	
		For Horizontal Installation Up To 10' High, Add	*0.20*	
		For Horizontal Installation >10' High, Add	*0.40*	
		For Columns Or Beams Up To 10' High, Add	*0.41*	
		For Columns Or Beams >10' High, Add	*0.61*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	1.09	
		For Walls >10' High, Add	*0.09*	
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.28*	
		For Columns Or Beams Up To 10' High, Add	*0.29*	
		For Columns Or Beams >10' High, Add	*0.43*	
		For Up To 100, Add	*0.47*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.19*	
09 23 13 00-0017		Two Coats Gypsum Plaster On Walls *(09 23 13)*		
09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	7.57	4.37
		For Walls >10' High, Add	*0.72*	
		For Horizontal Installation Up To 10' High, Add	*1.08*	
		For Horizontal Installation >10' High, Add	*2.16*	
		For Columns Or Beams Up To 10' High, Add	*2.23*	
		For Columns Or Beams >10' High, Add	*3.31*	
		For Up To 100, Add	*3.60*	
		For >100 To 500, Add	*1.80*	
		For >5,000, Deduct	*-1.44*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	7.65	4.14
		For Walls >10' High, Add	*0.68*	
		For Horizontal Installation Up To 10' High, Add	*1.01*	
		For Horizontal Installation >10' High, Add	*2.03*	
		For Columns Or Beams Up To 10' High, Add	*2.10*	
		For Columns Or Beams >10' High, Add	*3.11*	
		For Up To 100, Add	*3.38*	
		For >100 To 500, Add	*1.69*	
		For >5,000, Deduct	*-1.35*	
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	7.73	4.14
		For Walls >10' High, Add	*0.68*	
		For Horizontal Installation Up To 10' High, Add	*1.01*	
		For Horizontal Installation >10' High, Add	*2.03*	
		For Columns Or Beams Up To 10' High, Add	*2.10*	
		For Columns Or Beams >10' High, Add	*3.11*	
		For Up To 100, Add	*3.38*	
		For >100 To 500, Add	*1.69*	
		For >5,000, Deduct	*-1.35*	
09 23 13 00-0021		Three Coats Gypsum Plaster On Walls *(09 23 13)*		
09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	9.14	5.32
		For Walls >10' High, Add	*0.86*	
		For Horizontal Installation Up To 10' High, Add	*1.29*	
		For Horizontal Installation >10' High, Add	*2.58*	
		For Columns Or Beams Up To 10' High, Add	*2.67*	
		For Columns Or Beams >10' High, Add	*3.96*	
		For Up To 100, Add	*4.31*	
		For >100 To 500, Add	*2.15*	
		For >5,000, Deduct	*-1.72*	
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	9.04	4.85
		For Walls >10' High, Add	*0.80*	
		For Horizontal Installation Up To 10' High, Add	*1.20*	
		For Horizontal Installation >10' High, Add	*2.39*	
		For Columns Or Beams Up To 10' High, Add	*2.47*	
		For Columns Or Beams >10' High, Add	*3.67*	
		For Up To 100, Add	*3.99*	
		For >100 To 500, Add	*2.00*	
		For >5,000, Deduct	*-1.60*	
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	8.59	4.85
		For Walls >10' High, Add	*0.79*	
		For Horizontal Installation Up To 10' High, Add	*1.19*	
		For Horizontal Installation >10' High, Add	*2.38*	
		For Columns Or Beams Up To 10' High, Add	*2.46*	
		For Columns Or Beams >10' High, Add	*3.65*	
		For Up To 100, Add	*3.97*	
		For >100 To 500, Add	*1.99*	
		For >5,000, Deduct	*-1.59*	
09 23 13 00-0025		Plaster Bonding Agent *(09 23 13)*		
09 23 13 00-0026	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.87	
		For Walls >10' High, Add	*0.07*	
		For Columns Or Beams Up To 10' High, Add	*0.21*	
		For Columns Or Beams >10' High, Add	*0.31*	
		For Ceiling Application Up To 10' High, Add	*0.09*	
		For Ceiling Application >10' High, Add	*0.16*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	5.80	2.95
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Columns Or Beams Up To 10' High, Add	*1.46*	
		For Columns Or Beams >10' High, Add	*2.17*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.18*	
		For >5,000, Deduct	*-0.94*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	8.85	4.61
		For Walls >10' High, Add	*0.75*	
		For Horizontal Installation Up To 10' High, Add	*1.12*	
		For Horizontal Installation >10' High, Add	*2.25*	
		For Columns Or Beams Up To 10' High, Add	*2.32*	
		For Columns Or Beams >10' High, Add	*3.45*	
		For Up To 100, Add	*3.75*	
		For >100 To 500, Add	*1.87*	
		For >5,000, Deduct	*-1.50*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	10.01	5.20
		For Walls >10' High, Add	*0.85*	
		For Horizontal Installation Up To 10' High, Add	*1.27*	
		For Horizontal Installation >10' High, Add	*2.54*	
		For Columns Or Beams Up To 10' High, Add	*2.63*	
		For Columns Or Beams >10' High, Add	*3.90*	
		For Up To 100, Add	*4.24*	
		For >100 To 500, Add	*2.12*	
		For >5,000, Deduct	*-1.69*	

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	11.26	3.66
		For Walls >10' High, Add	*1.00*	
		For Horizontal Installation Up To 10' High, Add	*1.50*	
		For Horizontal Installation >10' High, Add	*3.00*	
		For Columns Or Beams Up To 10' High, Add	*3.10*	
		For Columns Or Beams >10' High, Add	*4.60*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*2.10*	
		For Up To 100, Add	*5.01*	
		For >100 To 500, Add	*2.50*	
		For >5,000, Deduct	*-2.00*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.76	1.77
		For Walls >10' High, Add	*0.37*	
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*1.10*	
		For Columns Or Beams Up To 10' High, Add	*1.13*	
		For Columns Or Beams >10' High, Add	*1.68*	
		For Up To 100, Add	*1.83*	
		For >100 To 500, Add	*0.92*	
		For >5,000, Deduct	*-0.73*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	7.42	1.77
		For Walls >10' High, Add	*0.65*	
		For Horizontal Installation Up To 10' High, Add	*0.98*	
		For Horizontal Installation >10' High, Add	*1.95*	
		For Columns Or Beams Up To 10' High, Add	*2.02*	
		For Columns Or Beams >10' High, Add	*2.99*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.79*	
		For Up To 100, Add	*3.25*	
		For >100 To 500, Add	*1.63*	
		For >5,000, Deduct	*-1.30*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.87	1.18
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Columns Or Beams Up To 10' High, Add	*1.46*	
		For Columns Or Beams >10' High, Add	*2.17*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.78*	
		For Up To 100, Add	*2.36*	
		For >100 To 500, Add	*1.18*	
		For >5,000, Deduct	*-0.94*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	4.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	5.60	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	8.55	

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.69	0.90
		For Up To 50, Add	*3.85*	
		For >50 To 250, Add	*0.71*	
		For >1,000, Deduct	*-0.36*	
		For Installation On Wall, Add	*0.71*	
		For Installation On Ceiling, Add	*1.79*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.44	1.08
		For Up To 50, Add	*4.57*	
		For >50 To 250, Add	*0.86*	
		For >1,000, Deduct	*-0.43*	
		For Installation On Wall, Add	*0.86*	
		For Installation On Ceiling, Add	*2.14*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.62	1.25
		For Up To 50, Add	*5.41*	
		For >50 To 250, Add	*1.00*	
		For >1,000, Deduct	*-0.50*	
		For Installation On Wall, Add	*1.00*	
		For Installation On Ceiling, Add	*2.50*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units (DensShield) *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" Glass-Mat Faced Gypsum Backing Boards For Installation On Floors (DensShield Tile Backer)	4.08	1.00
		For Up To 50, Add	*2.95*	
		For >50 To 250, Add	*0.51*	
		For >1,000, Deduct	*-0.26*	
		For Installation On Wall, Add	*0.51*	
		For Installation On Ceiling, Add	*1.29*	
09 28 16 00-0003	SF	5/8" Glass-Mat Faced Gypsum Backing Boards For Installation On Floors (DensShield Tile Backer)	4.97	1.15
		For Up To 50, Add	*3.39*	
		For >50 To 250, Add	*0.57*	
		For >1,000, Deduct	*-0.29*	
		For Installation On Wall, Add	*0.57*	
		For Installation On Ceiling, Add	*1.43*	

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.67	0.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.39*	
		For Horizontal Installation >10' High, Add	*0.58*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.56*	
		For >128 To 320, Add	*0.34*	
		For >1,536, Deduct	*-0.14*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.82	0.64
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.14*	
		For Foil Back Board, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0005	SF	1/2" Gypsum Board	2.00	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.42*	
		For >1,536, Deduct	*-0.15*	
		For Foil Back Board, Add	*0.10*	
09 29 10 00-0006	SF	5/8" Gypsum Board	2.35	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.81*	
		For >128 To 320, Add	*0.49*	
		For >1,536, Deduct	*-0.18*	
		For Foil Back Board, Add	*0.10*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	2.51	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.88*	
		For >128 To 320, Add	*0.53*	
		For >1,536, Deduct	*-0.19*	
		For Foil Back Board, Add	*0.10*	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	2.30	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.79*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.18*	
		For Foil Back Board, Add	*0.10*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	2.58	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*0.89*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.20*	
		For Foil Back Board, Add	*0.10*	

09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*

09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.49	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.07*	
		For >128 To 320, Add	*0.63*	
		For >1,536, Deduct	*-0.34*	

09 29 10 00-0015 Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*

Note: Water-resistant gypsum core.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	2.17	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.73*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	2.80	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.90*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.25*	
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	4.31	0.57
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.12*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.52*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	4.50	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*1.20*	
		For >128 To 320, Add	*0.67*	
		For >1,536, Deduct	*-0.53*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	4.72	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.28*	
		For >128 To 320, Add	*0.73*	
		For >1,536, Deduct	*-0.54*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	5.15	0.74
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.36*	
		For >128 To 320, Add	*0.76*	
		For >1,536, Deduct	*-0.61*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	7.65	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.49*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.90*	
		For >128 To 320, Add	*1.05*	
		For >1,536, Deduct	*-0.96*	
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.52	0.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.35*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.80*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.23*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.98	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.94*	
		For >128 To 320, Add	*0.55*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.98	0.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.55*	
		For Horizontal Installation >10' High, Add	*0.82*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.92*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.34	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Walls >10' High, Add	*0.15*	
		For Up To 128, Add	*1.04*	
		For >128 To 320, Add	*0.61*	
		For >1,536, Deduct	*-0.31*	
09 29 10 00-0029		Impact Resistant Gypsum Board *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.51	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.24*	
		For >128 To 320, Add	*0.70*	
		For >1,536, Deduct	*-0.51*	
09 29 10 00-0031		Abuse Resistant Gypsum Board *(09 29 10 00-0001)*		
		Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	3.06	0.81
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.57*	
		For Horizontal Installation >10' High, Add	*0.85*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.95*	
		For >128 To 320, Add	*0.56*	
		For >1,536, Deduct	*-0.29*	
09 29 10 00-0033		Noise Reducing Gypsum Board *(09 29 10 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.51	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.43*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.86*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.44*	
		For >128 To 320, Add	*0.81*	
		For >1,536, Deduct	*-0.66*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	6.62	0.85
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.44*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.58*	
		For Horizontal Installation >10' High, Add	*0.86*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.67*	
		For >128 To 320, Add	*0.92*	
		For >1,536, Deduct	*-0.82*	

09 29 10 00-0036 Finishing Gypsum Board Applications *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.95
		For Up To 128, Add	*0.36*
		For >128 To 320, Add	*0.23*
		For >5,400, Deduct	*-0.10*
		For ASTM C840 Level 1 Finish, Deduct	*-0.45*
		For ASTM C840 Level 2 Finish, Deduct	*-0.23*
		For ASTM C840 Level 3 Finish, Deduct	*-0.09*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.70*
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.70*
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.26
		Note: Use this task for the entire wall area when the wall is >10' high.	
		For Up To 128, Add	*0.49*
		For >128 To 320, Add	*0.30*
		For >5,400, Deduct	*-0.13*
		For ASTM C840 Level 1 Finish, Deduct	*-0.61*
		For ASTM C840 Level 2 Finish, Deduct	*-0.30*
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.93*
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.93*

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.23
		For Up To 128, Add	*0.48*
		For >128 To 320, Add	*0.30*
		For >5,400, Deduct	*-0.12*
		For ASTM C840 Level 1 Finish, Deduct	*-0.59*
		For ASTM C840 Level 2 Finish, Deduct	*-0.30*
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*
		For ASTM C840 Level 5 High Quality Finish, Add	*0.91*
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.91*
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.65
		Note: Use this task for the entire wall area when the wall is >10' high.	
		For Up To 128, Add	*0.64*
		For >128 To 320, Add	*0.40*
		For >5,400, Deduct	*-0.17*
		For ASTM C840 Level 1 Finish, Deduct	*-0.80*
		For ASTM C840 Level 2 Finish, Deduct	*-0.40*
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.23*
		For Spray Applied Textured Or Orange Peel Finish, Add	*1.23*

09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.89	
		For ASTM C840 Level 1 Finish, Deduct	*-0.88*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.44*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.18*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.39*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	2.25	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	*-1.06*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.53*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.66*	
09 29 10 00-0046		**Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)*		
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	2.19	
		For ASTM C840 Level 1 Finish, Deduct	*-1.03*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.52*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.21*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.61*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	2.63	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	*-1.25*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.63*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.25*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.94*	
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	5.48	1.43
		For Up To 100, Add	*0.43*	
		For >500, Deduct	*-0.27*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	4.98	1.43
		For Up To 100, Add	*0.33*	
		For >500, Deduct	*-0.25*	
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.76	1.72
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.83	1.72
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.09	1.72
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.23	1.72
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.56	1.72
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.89	1.72
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.22	1.72
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	10.29	1.72
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	11.35	1.72
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.91	1.86
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.91	1.86
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.64	1.86
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.77	1.86
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.24	1.86
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.44	1.86
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.70	1.86
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	10.90	1.86
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	12.10	1.86
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	16.78	2.14
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	18.77	2.14
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	7.03	1.79
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	7.56	1.79
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	8.89	1.97
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	9.32	2.14
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	13.67	1.79
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	14.21	1.79
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	15.54	1.97
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	15.96	2.14
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	7.56	1.79
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	8.69	1.97
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	10.45	2.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.61	1.15
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.67	1.29
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.83	1.43
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.37	1.57
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.89	1.72
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.09	1.72
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.69	1.72
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.82	1.72
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	12.21	1.72
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.24	1.86
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.37	1.86
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.10	1.86
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.43	1.86
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.70	1.86
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.03	1.86
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	11.50	1.86
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	12.69	1.86
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.69	1.86
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	16.88	1.86
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	23.00	1.86
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	15.68	1.86
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	16.22	1.86
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	18.01	1.86
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	18.21	1.86
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	20.80	1.86
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	16.95	1.86
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	11.41	2.57
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	13.06	2.86
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	14.85	3.43
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	15.02	3.71
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.95	1.72
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.08	1.72
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.22	1.72
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.22	1.72
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.82	1.72
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.08	1.69
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.35	1.72
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.95	1.72
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.94	1.72
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	15.01	1.72
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.56	1.86
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.70	1.86
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.96	1.86
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.56	1.86
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.83	1.86
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.03	1.86
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	13.69	1.86
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.75	1.86
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	15.82	1.86
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	18.68	1.86
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	24.66	1.86
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	22.01	2.03
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	24.97	2.48
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	25.83	2.48
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	20.06	1.69
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	18.25	2.48
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	13.14	1.69
09 29 10 00-0148		**Special Conditions Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0149		**Radius Conditions** *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	166.17	
09 29 10 00-0153		**Knee Brace Kit** *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	354.75	17.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0155		**Wall Bumper Rail** *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	47.51	7.14
09 29 10 00-0157		**Corners For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.09	1.72
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.77	1.86
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	11.99	1.94
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.43	2.03
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	16.26	2.48
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.87	2.78
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	22.99	3.19
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	27.98	3.72
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	38.50	4.96
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	10.09	1.65
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	18.82	2.23
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	13.30	2.23
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	24.67	2.23
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	35.23	2.78
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	33.76	2.78
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	9.80	1.94
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	9.90	1.86
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	10.02	1.72
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	10.50	1.86
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	14.30	2.03
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	12.61	1.72
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	13.29	1.86
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	19.75	2.03
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	21.92	1.72
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	37.35	3.72
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	40.01	3.72
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	74.34	6.20
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	123.92	8.78
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	12.05	1.91
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.83	2.00
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.59	2.44
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	20.47	2.75
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	29.30	3.15
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	31.57	3.67
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	35.58	4.88
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	22.40	3.67
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	22.73	3.67
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	24.85	3.67
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	25.52	3.67

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	8.79	3.57
		For Horizontal Installation Up To 10' High, Add	*2.43*	
		For Horizontal Installation >10' High, Add	*3.57*	
		For Walls >10' High, Add	*0.57*	
		For Up To 128, Add	*3.19*	
		For >128 To 320, Add	*1.95*	
		For >1,536, Deduct	*-0.60*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	10.27	4.28
		For Horizontal Installation Up To 10' High, Add	*2.91*	
		For Horizontal Installation >10' High, Add	*4.29*	
		For Walls >10' High, Add	*0.69*	
		For Up To 128, Add	*3.77*	
		For >128 To 320, Add	*2.31*	
		For >1,536, Deduct	*-0.68*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	9.52	2.75
		For Horizontal Installation Up To 10' High, Add	*1.87*	
		For Horizontal Installation >10' High, Add	*2.75*	
		For Walls >10' High, Add	*0.44*	
		For Up To 128, Add	*3.00*	
		For >128 To 320, Add	*1.78*	
		For Glass Mat Surfaces, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	10.28	2.89
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.96*	
		For Horizontal Installation >10' High, Add	*2.89*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.21*	
		For >128 To 320, Add	*1.89*	
		For Glass Mat Surfaces, Add	*0.37*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	11.57	2.89
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.96*	
		For Horizontal Installation >10' High, Add	*2.89*	
		For Walls >10' High, Add	*0.46*	
		For Up To 128, Add	*3.47*	
		For >128 To 320, Add	*2.02*	
		For Glass Mat Surfaces, Add	*0.37*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	12.37	3.03
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*2.06*	
		For Horizontal Installation >10' High, Add	*3.03*	
		For Walls >10' High, Add	*0.48*	
		For Up To 128, Add	*3.68*	
		For >128 To 320, Add	*2.14*	
		For Glass Mat Surfaces, Add	*0.37*	

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	18.32	3.42
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*9.70*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.49*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.68*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile	12.87	3.42
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*8.33*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.49*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.68*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	14.58	2.13
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*10.04*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.94*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	19.77	4.13
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*11.15*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.71*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.90*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile	14.32	4.13
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*9.78*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.71*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.90*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	16.51	2.62
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*11.97*	
		For >50 To 250, Add	*2.09*	
		For >1,000, Deduct	*-1.05*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.04*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	20.39	7.17
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.62*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.81*	
		For Up To 50, Add	*15.85*	
		For >50 To 250, Add	*2.87*	
		For >1,000, Deduct	*-1.43*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	23.26	4.30
		For High-Modulus, High-Strength Epoxy Grout, Add	*3.05*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*3.24*	
		For Up To 50, Add	*18.72*	
		For >50 To 250, Add	*3.44*	
		For >1,000, Deduct	*-1.72*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	13.44	2.98
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.12*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	22.13	2.98
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.12*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	24.91	2.98
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.12*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	19.74	0.65

09 30 13 00-0014 Residential Ceramic Tiling *(09 30 13)*

09 30 13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	10.63	3.42
		For Up To 50, Add	*7.77*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.49*	
09 30 13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	12.08	4.13
		For Up To 50, Add	*9.22*	
		For >50 To 250, Add	*1.65*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.71*	
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	12.93	3.42
		For Up To 50, Add	*8.35*	
		For >50 To 250, Add	*1.36*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.49*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	13.89	2.40
		For Up To 50, Add	*10.64*	
		For >50 To 250, Add	*1.91*	
		For >1,000, Deduct	*-0.96*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.90*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.09*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	27.63	2.40
		For Up To 50, Add	*14.07*	
		For >50 To 250, Add	*1.91*	
		For >1,000, Deduct	*-0.96*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.90*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.09*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile Note: With or without embedded abrasive grit.	15.81	2.84
		For Up To 50, Add	*12.56*	
		For >50 To 250, Add	*2.29*	
		For >1,000, Deduct	*-1.15*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.19*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.38*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	29.55	2.84
		For Up To 50, Add	*15.99*	
		For >50 To 250, Add	*2.29*	
		For >1,000, Deduct	*-1.15*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.19*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.38*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	19.51	3.15
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.12*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.22*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	42.02	3.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.12*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.22*	

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	12.65	2.13
		For Up To 50, Add	*9.56*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	13.04	2.13
		For Up To 50, Add	*9.66*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	13.24	2.13
		For Up To 50, Add	*9.71*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	13.33	2.13
		For Up To 50, Add	*9.73*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	13.39	2.13
		For Up To 50, Add	*9.75*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	13.48	2.13
		For Up To 50, Add	*9.77*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	13.68	2.13
		For Up To 50, Add	*9.82*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	15.02	2.13
		For Up To 50, Add	*10.15*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	15.17	2.13
		For Up To 50, Add	*10.19*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	15.45	2.13
		For Up To 50, Add	*10.26*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	15.76	2.13
		For Up To 50, Add	*10.34*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	15.98	2.13
		For Up To 50, Add	*10.39*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	16.72	2.13
		For Up To 50, Add	*10.58*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	18.10	2.13
		For Up To 50, Add	*10.92*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	18.19	2.13
		For Up To 50, Add	*10.95*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	19.22	2.13
		For Up To 50, Add	*11.20*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	19.57	2.13
		For Up To 50, Add	*11.29*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	19.72	2.13
		For Up To 50, Add	*11.33*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	19.95	2.13
		For Up To 50, Add	*11.39*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	21.87	2.13
		For Up To 50, Add	*11.87*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	22.96	2.13
		For Up To 50, Add	*12.14*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	23.25	2.13
		For Up To 50, Add	*12.21*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	23.40	2.13
		For Up To 50, Add	*12.25*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0025 Granite Floor Tile *(09 30 33)*

09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	11.62	2.13
		For Up To 50, Add	*9.30*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	12.36	2.13
		For Up To 50, Add	*9.49*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	12.95	2.13
		For Up To 50, Add	*9.64*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	15.30	2.13
		For Up To 50, Add	*10.22*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	15.76	2.13
		For Up To 50, Add	*10.34*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	16.19	2.13
		For Up To 50, Add	*10.45*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	16.63	2.13
		For Up To 50, Add	*10.56*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	17.16	2.13
		For Up To 50, Add	*10.69*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	17.66	2.13
		For Up To 50, Add	*10.81*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	18.19	2.13
		For Up To 50, Add	*10.95*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	18.69	2.13
		For Up To 50, Add	*11.07*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	19.28	2.13
		For Up To 50, Add	*11.22*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	19.87	2.13
		For Up To 50, Add	*11.37*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	21.93	2.13
		For Up To 50, Add	*11.88*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0040		Slate Floor Tile *(09 30 33)*		
09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	10.74	2.13
		For Up To 50, Add	*9.08*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	11.12	2.13
		For Up To 50, Add	*9.18*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	11.33	2.13
		For Up To 50, Add	*9.23*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	11.33	2.13
		For Up To 50, Add	*9.23*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	11.48	2.13
		For Up To 50, Add	*9.27*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	11.92	2.13
		For Up To 50, Add	*9.38*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	12.36	2.13
		For Up To 50, Add	*9.49*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	12.51	2.13
		For Up To 50, Add	*9.53*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0049 Travertine Floor Tile *(09 30 33)*

09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	12.36	2.13
		For Up To 50, Add	*9.49*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	12.80	2.13
		For Up To 50, Add	*9.60*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	13.09	2.13
		For Up To 50, Add	*9.67*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	13.54	2.13
		For Up To 50, Add	*9.78*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	13.68	2.13
		For Up To 50, Add	*9.82*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	13.83	2.13
		For Up To 50, Add	*9.86*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	15.24	2.13
		For Up To 50, Add	*10.21*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0057 Limestone Floor Tile *(09 30 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	15.16	2.13
		For Up To 50, Add	*10.19*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	15.60	2.13
		For Up To 50, Add	*10.30*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	17.89	2.13
		For Up To 50, Add	*10.87*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	19.28	2.13
		For Up To 50, Add	*11.22*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	19.28	2.13
		For Up To 50, Add	*11.22*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	19.72	2.13
		For Up To 50, Add	*11.33*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	21.34	2.13
		For Up To 50, Add	*11.73*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.75*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.97	1.13
		For Up To 50, Add	*1.78*	
		For >50 To 250, Add	*0.34*	
		For >1,000, Deduct	*-0.17*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	1.09	
		For Up To 50, Add	*1.09*	
		For >50 To 250, Add	*0.22*	
		For >1,000, Deduct	*-0.11*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.	4.91	2.27
		For Up To 50, Add	*3.79*	
		For >50 To 250, Add	*0.68*	
		For >1,000, Deduct	*-0.34*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.	6.94	3.04
		For Up To 50, Add	*5.15*	
		For >50 To 250, Add	*0.91*	
		For >1,000, Deduct	*-0.46*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 Lb. felt and expanded metal lath.	16.07	6.82
		For Up To 50, Add	*14.26*	
		For >50 To 250, Add	*2.73*	
		For >1,000, Deduct	*-1.37*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-2.34*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Elastomeric Waterproofing Membrane for Tile And Stone *(09 34)*

09 34 00 00-0002	SF	Waterproof And Crack Prevention Membrane (RedGard®)	4.34	2.27
		For Up To 50, Add	*3.64*	
		For >50 To 250, Add	*0.68*	
		For >1,000, Deduct	*-0.34*	

09 34 00 00-0003 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0004 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0003)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0005	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,498.40
09 34 00 00-0006	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,735.54
09 34 00 00-0007	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,569.04

09 34 00 00-0008 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0003)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0009	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	181.85
09 34 00 00-0010	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	173.43

09 34 00 00-0011 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0003)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0012	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	372.31
09 34 00 00-0013	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	746.96
09 34 00 00-0014	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	921.79
09 34 00 00-0015	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	672.03
09 34 00 00-0016	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	746.96
09 34 00 00-0017	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	796.91

09 34 00 00-0018 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0003)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0019	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	319.22
09 34 00 00-0020	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	319.22
09 34 00 00-0021	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	494.06

09 34 00 00-0022 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0003)*

09 34 00 00-0023	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.57
09 34 00 00-0024	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	6.43

09 34 00 00-0025 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0003)*

09 34 00 00-0026	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.89
09 34 00 00-0027	LF	5" Wide, 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Strip Membrane (Schluter® KERDI 100/200/5M)	5.63
09 34 00 00-0028	LF	7-1/4" Wide, 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Strip Membrane (Schluter® KERDI 100/200/5M)	6.60
09 34 00 00-0029	LF	10" Wide, 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Strip Membrane (Schluter® KERDI 100/200/5M)	7.31
09 34 00 00-0030	EA	Corners, 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Corner (Schluter® KERDI-Kereck-F)	22.15
09 34 00 00-0031	EA	Pipe Seals, 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Pipe Seals (Schluter® KERDI-Seal-PS)	21.68
09 34 00 00-0032	EA	Pipe Seals, 0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Pipe Seals (Schluter® KERDI-Seal-MV)	23.91

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling *(09 35 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 35 13 00-0002	SF	Thin Set - Epoxy Mortar Note: Impact and chemical resistant.	6.45	1.50
		For Up To 50, Add	*3.32*	
		For >50 To 250, Add	*0.46*	
		For >1,000, Deduct	*-0.23*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001 Tile Waterproofing And Crack Prevention *(09 39)*

09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane (RedGard®)	134.84

09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*

09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	6.02
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	12.67

09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile *(09 39)*

09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.32
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.30
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.61
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.91
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	8.23

09 39 00 00-0012 Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile *(09 39)*

09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.13
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.62
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	18.16

09 39 00 00-0016 Tile Substrate (Schluter® KERDI BOARD) *(09 39)*

09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	10.26	1.00
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.55	1.15

09 39 00 00-0019 Floor Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.36
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.48
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.62
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.85
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.77
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.95
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.08
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	6.23
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.57
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	6.23
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.80
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.10
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.39
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	7.72
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.00
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	6.29
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.63

09 39 00 00-0037 Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*

09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.97
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.28
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.74
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	7.21
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.60
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.19
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.78
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.82

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0002		Fiberglass Acoustical Panels *(09 51 13 00-0001)*		
		Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	10.90	0.57
		For Up To 50, Add	*2.38*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.64*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.55*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	10.83	0.57
		For Up To 50, Add	*2.37*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.63*	
		For >2,500 To 4,000, Deduct	*-0.27*	
		For >4,000 To 5,000, Deduct	*-0.54*	
		For >5,000, Deduct	*-0.86*	
		For Individual Room Quantities <495, Add	*1.46*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	11.52	0.71
		For Up To 50, Add	*2.53*	
		For >50 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.91*	
		For Individual Room Quantities <495, Add	*1.55*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	11.64	0.71
		For Up To 50, Add	*2.55*	
		For >50 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.92*	
		For Individual Room Quantities <495, Add	*1.56*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	11.97	0.71
		For Up To 50, Add	*2.60*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.95*	
		For Individual Room Quantities <495, Add	*1.60*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	11.95	0.71
		For Up To 50, Add	*2.59*	
		For >50 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.70*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.95*	
		For Individual Room Quantities <495, Add	*1.60*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.47	0.71
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.72*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.99*	
		For Individual Room Quantities <495, Add	*1.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	12.45	0.71
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.72*	
		For >2,500 To 4,000, Deduct	*-0.31*	
		For >4,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.98*	
		For Individual Room Quantities <495, Add	*1.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0011		Mineral Fiber Panels *(09 51 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0012		Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*		
		Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.65	0.57
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.64*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.62	0.86
		For Up To 50, Add	*1.14*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.63*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.04	0.85
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.33	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.33	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.55	0.85
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.56	0.85
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.84	0.85
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.31	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.30	0.85
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.74	0.57
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.06	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.04	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.33	0.57
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.08	0.57
		For Up To 50, Add	*1.21*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.07	0.57
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.48	0.57
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.48	0.57
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.64	0.57
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.21	0.57
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.55	0.57
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.23	0.57
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0036	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.36	0.57
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.64	0.85
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.58	0.85
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.98	0.85
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.98	0.85
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	8.98	1.00
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.81	0.57
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.80	0.57
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.75*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.40	0.57
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.05	0.57
		For Up To 50, Add	*1.35*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.00	0.57
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.00	0.57
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.77*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.19	0.57
		For Up To 50, Add	*1.37*	
		For >50 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.79*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.34	0.57
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.55	0.57
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.52	0.57
		For Up To 50, Add	*1.42*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.40	0.85
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.40	0.85
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.73	0.57
		For Up To 50, Add	*1.45*	
		For >50 To 200, Add	*0.85*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.85*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.63	0.57
		For Up To 50, Add	*1.44*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.84*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.60	0.85
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.47*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.56	0.85
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.46*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.60	0.85
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.47*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.56	0.85
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.46*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.10	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.06	0.85
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.05	0.85
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.50	0.57
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.02*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.50	0.57
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*1.02*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.08	0.57
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.40*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.53	0.71
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.53	0.71
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.53	0.71
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.53	0.71
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.80	0.57
		For Up To 50, Add	*1.76*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.81	0.57
		For Up To 50, Add	*1.77*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	6.80	0.57
		For Up To 50, Add	*1.76*	
		For >50 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.05*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.70	0.57
		For Up To 50, Add	*1.96*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.17*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.60	0.57
		For Up To 50, Add	*1.94*	
		For >50 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.48*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.16*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	7.65	0.57
		For Up To 50, Add	*1.95*	
		For >50 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.48*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.17*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.16	0.57
		For Up To 50, Add	*1.82*	
		For >50 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.58*	
		For Individual Room Quantities <495, Add	*1.09*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.04	0.57
		For Up To 50, Add	*1.80*	
		For >50 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.08*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.78	0.71
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.78	0.71
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.78	0.57
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	7.78	0.71
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.49*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-0.63*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.90*	
		For Ceilings >10' High, Add	*0.15*	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	2.99	0.57
		For Individual Room Quantities <495, Add	*0.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	3.07	0.57
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	4.43	0.57
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

09 51 13 00-0088 Clean Room, Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0089	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	6.65	0.85
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Vertical Application, Add	*0.73*	
		For Single Angled Tegular Edge (Reveal), Add	*2.43*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0090	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL)	6.63	0.85
		For Up To 50, Add	*1.63*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.54*	
		For Vertical Application, Add	*0.72*	
		For Single Angled Tegular Edge (Reveal), Add	*2.43*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0091	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	12.08	0.85
		For Up To 50, Add	*2.46*	
		For >50 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.69*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.95*	
		For Vertical Application, Add	*0.73*	
		For Single Angled Tegular Edge (Reveal), Add	*4.87*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0092	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL)	11.93	0.85
		For Up To 50, Add	*2.43*	
		For >50 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.93*	
		For Vertical Application, Add	*0.72*	
		For Single Angled Tegular Edge (Reveal), Add	*4.81*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0093	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	11.85	0.85
		For Up To 50, Add	*2.43*	
		For >50 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.67*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.93*	
		For Vertical Application, Add	*0.73*	
		For Single Angled Tegular Edge (Reveal), Add	*4.77*	
		For Ceilings >10' High, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0094	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL)	11.80	0.85
		For Up To 50, Add	*2.41*	
		For >50 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.67*	
		For >2,500 To 4,000, Deduct	*-0.30*	
		For >4,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.92*	
		For Vertical Application, Add	*0.72*	
		For Single Angled Tegular Edge (Reveal), Add	*4.75*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0095		**Vinyl Faced, Gypsum Core Panels** *(09 51 13)*		
		Note: National Gypsum Gold Bond Gridstone.		
09 51 13 00-0096	SF	2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	6.77	0.57
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.55*	
		For Individual Room Quantities <495, Add	*1.00*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0097	SF	2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel	6.60	0.57
		For Up To 50, Add	*1.63*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0098		**Wood Fiber Panels** *(09 51 13)*		
09 51 13 00-0099	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	9.74	0.85
		For Up To 50, Add	*2.48*	
		For >50 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.79*	
		For Individual Room Quantities <495, Add	*1.48*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0100	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	9.47	0.85
		For Up To 50, Add	*2.33*	
		For >50 To 200, Add	*1.40*	
		For >200 To 500, Add	*0.59*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.47*	
		For >5,000, Deduct	*-0.77*	
		For Individual Room Quantities <495, Add	*1.40*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0101	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	12.94	0.85
		For Up To 50, Add	*2.96*	
		For >50 To 200, Add	*1.80*	
		For >200 To 500, Add	*0.77*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-1.03*	
		For Individual Room Quantities <495, Add	*1.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0102	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	12.67	0.85
		For Up To 50, Add	*2.81*	
		For >50 To 200, Add	*1.72*	
		For >200 To 500, Add	*0.75*	
		For >2,500 To 4,000, Deduct	*-0.32*	
		For >4,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.01*	
		For Individual Room Quantities <495, Add	*1.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0103	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	16.04	0.85
		For Up To 50, Add	*3.43*	
		For >50 To 200, Add	*2.11*	
		For >200 To 500, Add	*0.93*	
		For >2,500 To 4,000, Deduct	*-0.40*	
		For >4,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.27*	
		For Individual Room Quantities <495, Add	*2.11*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0104	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	15.77	0.85
		For Up To 50, Add	*3.28*	
		For >50 To 200, Add	*2.03*	
		For >200 To 500, Add	*0.90*	
		For >2,500 To 4,000, Deduct	*-0.39*	
		For >4,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.24*	
		For Individual Room Quantities <495, Add	*2.03*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	
09 51 13 00-0105	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	11.62	0.85
		For Up To 50, Add	*2.76*	
		For >50 To 200, Add	*1.67*	
		For >200 To 500, Add	*0.71*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-0.94*	
		For Individual Room Quantities <495, Add	*1.67*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.19*	
09 51 13 00-0106	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	11.35	0.85
		For Up To 50, Add	*2.61*	
		For >50 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.68*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.91*	
		For Individual Room Quantities <495, Add	*1.59*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.17*	

09 51 13 00-0107 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0108	SF	Removal And Reinstallation Of Acoustical Panels Only	2.92	
		For Up To 50, Add	*1.61*	
		For >50 To 200, Add	*0.88*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.29*	
		For Ceilings >10' High, Add	*0.22*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	7.53	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.56*	
		For >50 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.56*	
		For >2,500, Deduct	*-0.38*	
		For Ceilings >10' High, Add	*0.27*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	8.25	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.59*	
		For >2,500, Deduct	*-0.41*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.27*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	9.27	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.82*	
		For >50 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.64*	
		For >2,500, Deduct	*-0.46*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.55*	
		For Ceilings >10' High, Add	*0.27*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	6.44	1.57
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.39*	
		For >50 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.50*	
		For >2,500, Deduct	*-0.32*	
		For Ceilings >10' High, Add	*0.27*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0001		Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.88	1.25
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	26.62	1.25
09 51 33 13-0004		Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.59	1.43
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.46	1.43
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	61.44	1.43
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.90	1.43
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.62	1.43
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.65	1.43
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	60.98	1.43
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.67	1.43
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.25	1.43
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.18	1.43
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	67.76	1.43
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.84	1.43
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.75	1.43
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.98	1.43
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	70.06	1.43
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.64	1.43
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.84	1.43
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.32	1.43
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.27	1.43
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.03	1.43
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.56	1.43
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.78	1.43
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.68	1.43
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.07	1.43
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.11	1.43
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.76	1.43
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.63	1.43
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.38	1.43
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.26	1.43
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.53	1.43
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	57.74	1.43
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.38	1.43
09 51 33 23		**Acoustical Lay-in Metal Pan Ceilings** *(09 51 33)*		
09 51 33 23-0001		Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*		
09 51 33 23-0002		Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.37	1.08
		For Up To 50, Add	*3.76*	
		For >50 To 200, Add	*2.37*	
		For >200 To 500, Add	*1.08*	
		For >2,500 To 4,000, Deduct	*-0.48*	
		For >4,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.51*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.96	1.08
		For Up To 50, Add	*4.15*	
		For >50 To 200, Add	*2.62*	
		For >200 To 500, Add	*1.21*	
		For >2,500 To 4,000, Deduct	*-0.55*	
		For >4,000 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.70*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	32.30	1.08
		For Up To 50, Add	*5.70*	
		For >50 To 200, Add	*3.66*	
		For >200 To 500, Add	*1.72*	
		For >2,500 To 4,000, Deduct	*-0.81*	
		For >4,000 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-2.48*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	27.41	1.08
		For Up To 50, Add	*4.97*	
		For >50 To 200, Add	*3.17*	
		For >200 To 500, Add	*1.48*	
		For >2,500 To 4,000, Deduct	*-0.69*	
		For >4,000 To 5,000, Deduct	*-1.37*	
		For >5,000, Deduct	*-2.11*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.43	1.08
		For Up To 50, Add	*5.27*	
		For >50 To 200, Add	*3.37*	
		For >200 To 500, Add	*1.58*	
		For >2,500 To 4,000, Deduct	*-0.74*	
		For >4,000 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.26*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	46.37	1.08
		For Up To 50, Add	*7.81*	
		For >50 To 200, Add	*5.07*	
		For >200 To 500, Add	*2.43*	
		For >2,500 To 4,000, Deduct	*-1.16*	
		For >4,000 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-3.53*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.98	1.08
		For Up To 50, Add	*5.20*	
		For >50 To 200, Add	*3.33*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.45*	
		For >5,000, Deduct	*-2.23*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.96	1.08
		For Up To 50, Add	*6.25*	
		For >50 To 200, Add	*4.02*	
		For >200 To 500, Add	*1.91*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.75*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.14	1.08
		For Up To 50, Add	*5.23*	
		For >50 To 200, Add	*3.34*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.24*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	36.17	1.08
		For Up To 50, Add	*6.28*	
		For >50 To 200, Add	*4.05*	
		For >200 To 500, Add	*1.92*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.81*	
		For >5,000, Deduct	*-2.77*	
		For Ceilings >10' High, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.28	1.08
		For Up To 50, Add	*5.25*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.25*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	36.03	1.08
		For Up To 50, Add	*6.26*	
		For >50 To 200, Add	*4.03*	
		For >200 To 500, Add	*1.91*	
		For >2,500 To 4,000, Deduct	*-0.90*	
		For >4,000 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-2.76*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	29.28	1.08
		For Up To 50, Add	*5.25*	
		For >50 To 200, Add	*3.36*	
		For >200 To 500, Add	*1.57*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.25*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	36.32	1.08
		For Up To 50, Add	*6.30*	
		For >50 To 200, Add	*4.06*	
		For >200 To 500, Add	*1.92*	
		For >2,500 To 4,000, Deduct	*-0.91*	
		For >4,000 To 5,000, Deduct	*-1.82*	
		For >5,000, Deduct	*-2.78*	
		For Ceilings >10' High, Add	*0.16*	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	25.03	1.08
		For Up To 50, Add	*4.61*	
		For >50 To 200, Add	*2.93*	
		For >200 To 500, Add	*1.36*	
		For >2,500 To 4,000, Deduct	*-0.63*	
		For >4,000 To 5,000, Deduct	*-1.25*	
		For >5,000, Deduct	*-1.93*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.85	1.08
		For Up To 50, Add	*5.33*	
		For >50 To 200, Add	*3.41*	
		For >200 To 500, Add	*1.60*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.49*	
		For >5,000, Deduct	*-2.29*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	32.03	1.08
		For Up To 50, Add	*5.66*	
		For >50 To 200, Add	*3.63*	
		For >200 To 500, Add	*1.71*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.60*	
		For >5,000, Deduct	*-2.46*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.08	1.08
		For Up To 50, Add	*5.37*	
		For >50 To 200, Add	*3.44*	
		For >200 To 500, Add	*1.61*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.31*	
		For Ceilings >10' High, Add	*0.16*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.88	1.08
		For Up To 50, Add	*5.49*	
		For >50 To 200, Add	*3.52*	
		For >200 To 500, Add	*1.65*	
		For >2,500 To 4,000, Deduct	*-0.77*	
		For >4,000 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-2.37*	
		For Ceilings >10' High, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	32.72	1.08
		For Up To 50, Add	*5.76*	
		For >50 To 200, Add	*3.70*	
		For >200 To 500, Add	*1.74*	
		For >2,500 To 4,000, Deduct	*-0.82*	
		For >4,000 To 5,000, Deduct	*-1.64*	
		For >5,000, Deduct	*-2.51*	
		For Ceilings >10' High, Add	*0.16*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.25	1.08
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.54	1.08
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.05	1.08
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.77	1.08
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.53	1.08
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.69	1.08

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 13 Curved Profile Ceiling Suspension *(09 53)*

09 53 13 00-0001 Perimeter Trim *(09 53 13)*

09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim	25.02
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim	30.51
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim	34.17
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim	46.13
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim	59.31
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim	67.00

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension System Assemblies *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly Note: Excludes ceiling tile.	5.42	0.71
		For Fastening To Concrete, Add	*1.65*	
		For Fastening To Steel, Add	*1.80*	
		For Vertical Application, Add	*2.71*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF. Other quantity discounts would apply.*	*0.58*	
		For Up To 50, Add	*2.05*	
		For >50 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.23*	
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	4.38	0.71
		For UL Listed (Fire Guard), Add	*0.27*	
		For 1-1/2" Wide Faced Grid, Add	*0.50*	
		For Fastening To Concrete, Add	*1.60*	
		For Fastening To Steel, Add	*1.75*	
		For Vertical Application, Add	*2.28*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF. Other quantity discounts would apply.*	*0.48*	
		For Aluminum T-Bar System, Add	*0.80*	
		For Up To 50, Add	*1.70*	
		For >50 To 200, Add	*0.96*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	3.68	0.71
		For UL Listed (Fire Guard), Add	*0.20*	
		For 1-1/2" Wide Faced Grid, Add	*0.36*	
		For Fastening To Concrete, Add	*1.58*	
		For Fastening To Steel, Add	*1.73*	
		For Vertical Application, Add	*2.08*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.59*	
		For Up To 50, Add	*1.50*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.23*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.18*	
		For Concealed Spline Grid, Add	*0.56*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	3.05	0.71
		For UL Listed (Fire Guard), Add	*0.16*	
		For 1-1/2" Wide Faced Grid, Add	*0.29*	
		For Fastening To Concrete, Add	*1.54*	
		For Fastening To Steel, Add	*1.69*	
		For Vertical Application, Add	*2.00*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.47*	
		For Up To 50, Add	*1.26*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Black Grid, Add	*0.13*	
		For Ceilings >10' High, Add	*0.15*	
		For Concealed Spline Grid, Add	*0.46*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Assembly	2.67	0.71
		For UL Listed (Fire Guard), Add	*0.14*	
		For 1-1/2" Wide Faced Grid, Add	*0.27*	
		For Fastening To Concrete, Add	*1.51*	
		For Fastening To Steel, Add	*1.66*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.30*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.43*	
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.17*	
		For Ceilings >10' High, Add	*0.13*	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System Assembly	3.95	0.71
		For UL Listed (Fire Guard), Add	*0.24*	
		For Fastening To Concrete, Add	*1.58*	
		For Fastening To Steel, Add	*1.73*	
		For Vertical Application, Add	*2.08*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.44*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.54*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.24*	
		For Black Grid, Add	*0.20*	
		For Ceilings >10' High, Add	*0.18*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System Assembly	3.26	0.71
		For UL Listed (Fire Guard), Add	*0.19*	
		For Fastening To Concrete, Add	*1.54*	
		For Fastening To Steel, Add	*1.69*	
		For Vertical Application, Add	*2.00*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.36*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.29*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.20*	
		For Black Grid, Add	*0.16*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0009		**Ceiling Suspension System Accessories** *(09 53 23)*		
09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.69	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	4.09	2.00
		For 304 Stainless Steel, Add	*3.11*	
		For 316 Stainless Steel, Add	*3.49*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	5.83	2.14
		For 304 Stainless Steel, Add	*4.73*	
		For 316 Stainless Steel, Add	*5.31*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.03*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	8.02	2.28
		For 304 Stainless Steel, Add	*9.43*	
		For 316 Stainless Steel, Add	*10.59*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.05*	
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.05	
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.23	
09 53 23 00-0016	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	8.64	0.41
09 53 23 00-0017	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum Note: Includes vertical center strut and four 12 gauge diagonal wires.	33.98	10.06
09 53 23 00-0018	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	104.20	29.03
09 53 23 00-0019	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	108.08	29.59
09 53 23 00-0020	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	121.72	29.59
09 53 23 00-0021		**Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly** *(09 53 23)* Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 53 23 00-0022	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	3.94	
		For Up To 50, Add	*2.17*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Ceilings >10' High, Add	*0.30*	
09 53 23 00-0023	SF	Removal And Reinstallation Of Grid System Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.	1.71	
		For Up To 50, Add	*0.94*	
		For >50 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Ceilings >10' High, Add	*0.13*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

09 54 16 00-0001		**Translucent Ceiling Panels** *(09 54 16)*		
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	4.00	0.71
		For Ceilings >10' High, Add	*0.12*	
		For >100 To 200, Deduct	*-0.17*	
		For >200 To 300, Deduct	*-0.44*	
		For >300, Deduct	*-0.76*	

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001		**Linear Ceiling Systems** *(09 54 23)*		
09 54 23 00-0002		**0.032" Aluminum, Linear Ceiling Systems** *(09 54 23 00-0001)* Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	24.60	2.82
		For Up To 50, Add	*6.39*	
		For >50 To 200, Add	*3.81*	
		For >200 To 500, Add	*1.57*	
		For >2,500, Deduct	*-1.23*	
		For Ceilings >10' High, Add	*0.51*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.43*	
		For Curved Ceilings, Add	*1.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.88	2.82
		For Up To 50, Add	*5.63*	
		For >50 To 200, Add	*3.31*	
		For >200 To 500, Add	*1.33*	
		For >2,500, Deduct	*-0.99*	
		For Ceilings >10' High, Add	*0.50*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.20*	
		For Curved Ceilings, Add	*1.55*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	18.05	2.82
		For Up To 50, Add	*5.30*	
		For >50 To 200, Add	*3.10*	
		For >200 To 500, Add	*1.23*	
		For >2,500, Deduct	*-0.90*	
		For Ceilings >10' High, Add	*0.49*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.46*	
		For Curved Ceilings, Add	*1.52*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	22.98	4.37
		For Up To 50, Add	*5.56*	
		For >50 To 200, Add	*3.35*	
		For >200 To 500, Add	*1.41*	
		For >2,500, Deduct	*-1.15*	
		For Ceilings >10' High, Add	*0.40*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	33.78	2.82
		For Up To 50, Add	*7.29*	
		For >50 To 200, Add	*4.49*	
		For >200 To 500, Add	*1.97*	
		For >2,500, Deduct	*-1.69*	
		For Ceilings >10' High, Add	*0.42*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	24.80	2.82
		For Up To 50, Add	*5.94*	
		For >50 To 200, Add	*3.59*	
		For >200 To 500, Add	*1.52*	
		For >2,500, Deduct	*-1.24*	
		For Ceilings >10' High, Add	*0.42*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	22.78	2.82
		For Up To 50, Add	*5.47*	
		For >50 To 200, Add	*3.30*	
		For >200 To 500, Add	*1.40*	
		For >2,500, Deduct	*-1.14*	
		For Ceilings >10' High, Add	*0.38*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	19.88	2.11
		For Up To 50, Add	*4.77*	
		For >50 To 200, Add	*2.88*	
		For >200 To 500, Add	*1.22*	
		For >2,500, Deduct	*-0.99*	
		For Ceilings >10' High, Add	*0.34*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	16.03	4.23
		For Ceilings >10' High, Add	*0.62*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	19.95	4.93
		For Ceilings >10' High, Add	*0.69*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	26.69	5.78
		For Ceilings >10' High, Add	*0.87*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	46.65	13.38
		For Ceilings >10' High, Add	*1.96*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	64.22	15.64
		For Ceilings >10' High, Add	*2.35*	

09 57 Special Function Ceilings *(09 50)*

09 57 63 High Impact Ceilings *(09 57)*

09 57 63 00-0001 High Impact Ceilings *(09 57 63)*

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	8.71	1.43
		For Ceilings >10' High, Add	*0.17*	
09 57 63 00-0003	EA	High Impact Clips	5.24	1.15
		For Ceilings >10' High, Add	*0.27*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	3.67	2.85
09 61 13 00-0003	LF	2" Anti-Slip Tape	4.60	3.15
09 61 13 00-0004	LF	3" Anti-Slip Tape	5.50	3.46
09 61 13 00-0005	LF	4" Anti-Slip Tape	6.36	3.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0006	LF	6" Anti-Slip Tape	8.04	4.18
09 61 13 00-0007	LF	12" Anti-Slip Tape	13.95	6.27
09 61 13 00-0008	LF	24" Anti-Slip Tape	19.80	9.41

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	32.69	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	36.92	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	20.81	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	24.64	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	22.53	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	27.61	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	24.18	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	30.62	11.02
		For Basket Weave Pattern, Add	*2.36*	
		For Herringbone Pattern, Add	*3.14*	
		For Epoxy Joints, Add	*5.65*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	20.59	6.55

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	1/8" Thick Laminate And Wood Floor Underlayment (Roberts Harmony Premium 3-in-1)	1.94	
09 64 13 00-0003	SF	2mm Thick, Foam Underlayment For Laminate Flooring (SimpleSolutions Soundbloc)	0.97	
09 64 13 00-0004	SF	Underlayment For Wood And Laminate Flooring (Halex VersaSheild VS-60)	2.30	
09 64 13 00-0005	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.58	
09 64 13 00-0006	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.60	
09 64 13 00-0007	SF	30 Lb., Waxed Paper, Wood Flooring Underlayment	0.63	
09 64 13 00-0008	SF	15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.70	
09 64 13 00-0009	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.63	
09 64 13 00-0010	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.69	
09 64 13 00-0011	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.62	0.41
09 64 13 00-0012	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.74	0.41
09 64 13 00-0013	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	1.00	
09 64 13 00-0014	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.23	
09 64 13 00-0015	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.32	
09 64 13 00-0016	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.60	
09 64 13 00-0017	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.62	0.27
09 64 13 00-0018	SF	1.4mm Thick, Coated And Textured Fiberglass Reinforced Polyvinyl Chloride (PVC) Underlayment For Laminate Flooring (Mats Inc. Underfloor SL)	4.87	
09 64 13 00-0019	SF	4mm Thick, Coated And textured Fiberglass Reinforced Polyvinyl Chloride (PVC) Underlayment For Laminate Flooring (Mats Inc. Underfloor MC)	5.84	
09 64 13 00-0020	SF	4mm Thick, Polyvinyl Chloride (PVC) Underlayment For Laminate And Wood Flooring (Mats Inc. Underfloor QC)	5.84	

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	15.66	1.43
		For Up To 20, Add	*6.37*	
		For >20 To 50, Add	*3.35*	
		For >50 To 100, Add	*1.68*	
		For >100 To 300, Add	*0.84*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	16.52	1.43
		For Factory Finish, Add	*1.01*	
		For Random Width Floor, Add	*3.81*	
		For Up To 20, Add	*5.37*	
		For >20 To 50, Add	*2.94*	
		For >50 To 100, Add	*1.47*	
		For >100 To 300, Add	*0.73*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	13.67	1.43
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*3.00*	
		For Up To 20, Add	*5.83*	
		For >20 To 50, Add	*3.05*	
		For >50 To 100, Add	*1.52*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	14.36	1.43
		For Factory Finish, Add	*0.60*	
		For Random Width Floor, Add	*3.17*	
		For Up To 20, Add	*5.93*	
		For >20 To 50, Add	*3.12*	
		For >50 To 100, Add	*1.56*	
		For >100 To 300, Add	*0.78*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	15.39	1.43
		For Factory Finish, Add	*0.70*	
		For Random Width Floor, Add	*3.43*	
		For Up To 20, Add	*6.09*	
		For >20 To 50, Add	*3.22*	
		For >50 To 100, Add	*1.61*	
		For >100 To 300, Add	*0.80*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.92	1.43
		For Factory Finish, Add	*0.55*	
		For Random Width Floor, Add	*2.66*	
		For Up To 20, Add	*4.68*	
		For >20 To 50, Add	*2.48*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	12.47	1.43
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*2.80*	
		For Up To 20, Add	*4.76*	
		For >20 To 50, Add	*2.53*	
		For >50 To 100, Add	*1.27*	
		For >100 To 300, Add	*0.63*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	13.52	1.43
		For Factory Finish, Add	*0.71*	
		For Random Width Floor, Add	*3.06*	
		For Up To 20, Add	*4.92*	
		For >20 To 50, Add	*2.64*	
		For >50 To 100, Add	*1.32*	
		For >100 To 300, Add	*0.66*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	13.78	1.43
		For Factory Finish, Add	*0.54*	
		For Random Width Floor, Add	*3.03*	
		For Up To 20, Add	*5.85*	
		For >20 To 50, Add	*3.06*	
		For >50 To 100, Add	*1.53*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	14.47	1.43
		For Factory Finish, Add	*0.61*	
		For Random Width Floor, Add	*3.20*	
		For Up To 20, Add	*5.95*	
		For >20 To 50, Add	*3.13*	
		For >50 To 100, Add	*1.56*	
		For >100 To 300, Add	*0.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	15.50	1.43
		For Factory Finish, Add	*0.71*	
		For Random Width Floor, Add	*3.46*	
		For Up To 20, Add	*6.11*	
		For >20 To 50, Add	*3.23*	
		For >50 To 100, Add	*1.62*	
		For >100 To 300, Add	*0.81*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	12.03	1.43
		For Factory Finish, Add	*0.56*	
		For Random Width Floor, Add	*2.69*	
		For Up To 20, Add	*4.69*	
		For >20 To 50, Add	*2.49*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	12.72	1.43
		For Factory Finish, Add	*0.63*	
		For Random Width Floor, Add	*2.86*	
		For Up To 20, Add	*4.80*	
		For >20 To 50, Add	*2.56*	
		For >50 To 100, Add	*1.28*	
		For >100 To 300, Add	*0.64*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	13.63	1.43
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*3.09*	
		For Up To 20, Add	*4.93*	
		For >20 To 50, Add	*2.65*	
		For >50 To 100, Add	*1.32*	
		For >100 To 300, Add	*0.66*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.30	1.43
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*3.66*	
		For Up To 20, Add	*6.23*	
		For >20 To 50, Add	*3.31*	
		For >50 To 100, Add	*1.66*	
		For >100 To 300, Add	*0.83*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.16	1.43
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*3.37*	
		For Up To 20, Add	*6.05*	
		For >20 To 50, Add	*3.20*	
		For >50 To 100, Add	*1.60*	
		For >100 To 300, Add	*0.80*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	14.78	1.43
		For Factory Finish, Add	*0.84*	
		For Random Width Floor, Add	*3.37*	
		For Up To 20, Add	*5.11*	
		For >20 To 50, Add	*2.76*	
		For >50 To 100, Add	*1.38*	
		For >100 To 300, Add	*0.69*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	13.63	1.43
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*3.09*	
		For Up To 20, Add	*4.93*	
		For >20 To 50, Add	*2.65*	
		For >50 To 100, Add	*1.32*	
		For >100 To 300, Add	*0.66*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	18.77	1.43
		For Factory Finish, Add	*1.04*	
		For Random Width Floor, Add	*4.27*	
		For Up To 20, Add	*6.60*	
		For >20 To 50, Add	*3.56*	
		For >50 To 100, Add	*1.78*	
		For >100 To 300, Add	*0.89*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	17.24	1.43
		For Factory Finish, Add	*0.88*	
		For Random Width Floor, Add	*3.89*	
		For Up To 20, Add	*6.37*	
		For >20 To 50, Add	*3.40*	
		For >50 To 100, Add	*1.70*	
		For >100 To 300, Add	*0.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.41	1.43
		For Factory Finish, Add	*1.10*	
		For Random Width Floor, Add	*4.03*	
		For Up To 20, Add	*5.50*	
		For >20 To 50, Add	*3.03*	
		For >50 To 100, Add	*1.51*	
		For >100 To 300, Add	*0.76*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	15.88	1.43
		For Factory Finish, Add	*0.95*	
		For Random Width Floor, Add	*3.65*	
		For Up To 20, Add	*5.27*	
		For >20 To 50, Add	*2.87*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	17.59	1.43
		For Up To 20, Add	*5.16*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	17.59	1.43
		For Up To 20, Add	*5.16*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	17.59	1.43
		For Up To 20, Add	*5.16*	
		For >20 To 50, Add	*2.88*	
		For >50 To 100, Add	*1.44*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	18.00	1.43
		For Up To 20, Add	*5.22*	
		For >20 To 50, Add	*2.92*	
		For >50 To 100, Add	*1.46*	
		For >100 To 300, Add	*0.73*	
09 64 29 00-0034	SF	0.625" Thick x 5" Wide Engineered Wood Flooring (DuChateau - Ketchum Collection)	25.39	1.43
		For Up To 20, Add	*6.33*	
		For >20 To 50, Add	*3.66*	
		For >50 To 100, Add	*1.83*	
		For >100 To 300, Add	*0.91*	
09 64 29 00-0035	SF	0.625" Thick x 7.44" Wide Engineered Wood Flooring (DuChateau - Vernal Collection)	33.07	1.43
		For Up To 20, Add	*7.48*	
		For >20 To 50, Add	*4.43*	
		For >50 To 100, Add	*2.21*	
		For >100 To 300, Add	*1.11*	
09 64 29 00-0036	SF	0.625" Thick x 7.44" Wide Engineered Wood Flooring (DuChateau - Chateau Collection)	35.03	1.43
		For Up To 20, Add	*7.77*	
		For >20 To 50, Add	*4.62*	
		For >50 To 100, Add	*2.31*	
		For >100 To 300, Add	*1.16*	
09 64 29 00-0037	SF	0.625" Thick x 7.44" Wide Engineered Wood Flooring (DuChateau - Riverstone Collection)	40.09	1.43
		For Up To 20, Add	*8.53*	
		For >20 To 50, Add	*5.13*	
		For >50 To 100, Add	*2.56*	
		For >100 To 300, Add	*1.28*	
09 64 29 00-0038	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Vinyard Oak)	30.01	1.43
		For Up To 20, Add	*7.02*	
		For >20 To 50, Add	*4.12*	
		For >50 To 100, Add	*2.06*	
		For >100 To 300, Add	*1.03*	
09 64 29 00-0039	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Canyon Oak)	34.44	1.43
		For Up To 20, Add	*7.69*	
		For >20 To 50, Add	*4.56*	
		For >50 To 100, Add	*2.28*	
		For >100 To 300, Add	*1.14*	
09 64 29 00-0040	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Exotics Natural)	40.18	1.43
		For Up To 20, Add	*8.55*	
		For >20 To 50, Add	*5.14*	
		For >50 To 100, Add	*2.57*	
		For >100 To 300, Add	*1.28*	
09 64 29 00-0041	SF	0.625" Thick x 9.5" Wide Engineered Wood Flooring (Garrison Exotics Tigerwood)	46.52	1.43
		For Up To 20, Add	*9.50*	
		For >20 To 50, Add	*5.77*	
		For >50 To 100, Add	*2.89*	
		For >100 To 300, Add	*1.44*	

09 64 33 Laminated Wood Flooring *(09 64)*

09 64 33 00-0001 Laminate Flooring Without Underlayment *(09 64 33)*

09 64 33 00-0002	SF	Laminate Floor, Blocked - Beech, Oak, Red Oak, And Dark Cherry	15.41	4.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 33 00-0003	SF	Laminate Floor, Mature Pine, Light Maple Note: Planked - cherry, and oak.	16.07	4.55
09 64 33 00-0004	SF	10mm x 11.57" x 46.3" Laminate Flooring Note: DuPont Saltillo	15.64	2.13
		For Up To 50, Add	*10.31*	
		For >50 To 250, Add	*1.71*	
		For >1,000, Deduct	*-0.85*	

09 64 33 00-0005 Laminate Flooring With Underlayment *(09 64 33)*

09 64 33 00-0006	SF	Laminate Floor, With Attached Underlayment, Antique Amber Oak Note: Also comes in Rustic Red Oak.	17.50	4.55
09 64 33 00-0007	SF	Laminate Floor, With Attached Underlayment, Renovation Pine Note: Also comes in Weathered Wheat Oak.	18.15	4.55

09 64 33 00-0008 Sound Control Matting *(09 64 33)*

09 64 33 00-0009	SF	Sound Control Matting	3.94	0.62

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	15.98	7.14
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	18.26	7.43
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	20.94	9.28
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	21.71	9.28
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	23.08	9.28
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	22.40	9.28
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	26.28	9.28
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.13	1.45
		For Up To 20, Add	*1.93*	
		For >20 To 40, Add	*1.09*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.37*	
		For >960, Deduct	*-0.55*	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.58	1.45
		For Up To 20, Add	*1.99*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.41*	
		For >960, Deduct	*-0.62*	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.99	1.45
		For Up To 20, Add	*2.05*	
		For >20 To 40, Add	*1.18*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.68*	
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.37	1.45
		For Up To 20, Add	*2.11*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.74*	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	7.81	1.45
		For Up To 20, Add	*2.33*	
		For >20 To 40, Add	*1.36*	
		For >40 To 80, Add	*0.54*	
		For >240 To 960, Deduct	*-0.64*	
		For >960, Deduct	*-0.95*	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.69	1.45
		For Up To 20, Add	*2.01*	
		For >20 To 40, Add	*1.15*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.64*	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.24	1.45
		For Up To 20, Add	*2.09*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.48*	
		For >960, Deduct	*-0.72*	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.32	1.45
		For Up To 20, Add	*2.10*	
		For >20 To 40, Add	*1.21*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.73*	
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.75	1.45
		For Up To 20, Add	*2.17*	
		For >20 To 40, Add	*1.25*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.53*	
		For >960, Deduct	*-0.80*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.08	1.45
		For Up To 20, Add	*2.37*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.66*	
		For >960, Deduct	*-1.00*	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.57	1.45
		For Up To 20, Add	*2.74*	
		For >20 To 40, Add	*1.64*	
		For >40 To 80, Add	*0.67*	
		For >240 To 960, Deduct	*-0.91*	
		For >960, Deduct	*-1.37*	
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.11	1.45
		For Up To 20, Add	*2.82*	
		For >20 To 40, Add	*1.69*	
		For >40 To 80, Add	*0.70*	
		For >240 To 960, Deduct	*-0.97*	
		For >960, Deduct	*-1.45*	
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.78	1.45
		For Up To 20, Add	*3.07*	
		For >20 To 40, Add	*1.86*	
		For >40 To 80, Add	*0.78*	
		For >240 To 960, Deduct	*-1.13*	
		For >960, Deduct	*-1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0016	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	13.89	1.45
		For Up To 20, Add	*3.24*	
		For >20 To 40, Add	*1.97*	
		For >40 To 80, Add	*0.84*	
		For >240 To 960, Deduct	*-1.24*	
		For >960, Deduct	*-1.87*	
09 65 13 13-0017	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	19.41	1.45
		For Up To 20, Add	*4.07*	
		For >20 To 40, Add	*2.52*	
		For >40 To 80, Add	*1.12*	
		For >240 To 960, Deduct	*-1.80*	
		For >960, Deduct	*-2.69*	

09 65 13 13-0018 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0019	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.38	1.74
		For Up To 20, Add	*2.11*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.74*	
09 65 13 13-0020	LF	3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	7.08	1.74
		For Up To 20, Add	*2.22*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.56*	
		For >960, Deduct	*-0.85*	
09 65 13 13-0021	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.41	1.45
		For Up To 20, Add	*2.12*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.74*	
09 65 13 13-0022	LF	4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.85	1.45
		For Up To 20, Add	*2.18*	
		For >20 To 40, Add	*1.26*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.54*	
		For >960, Deduct	*-0.81*	
09 65 13 13-0023	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	9.57	1.74
		For Up To 20, Add	*2.83*	
		For >20 To 40, Add	*1.65*	
		For >40 To 80, Add	*0.65*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread.
All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	18.07	2.31
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	19.41	2.49
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	23.44	2.66
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	17.07	2.31
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	17.95	2.49
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	21.97	2.67
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	9.96	1.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	28.78	2.14
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	34.40	2.31
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	37.21	2.60
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	19.66	2.11
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	21.71	2.31
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	26.12	2.50
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	10.90	1.39
09 65 13 26		**Resilient Stair Nosings** *(09 65 13)*		
09 65 13 26-0001		Photoluminescent Treads And Nosing *(09 65 13 26)*		
09 65 13 26-0002	LF	Photoluminescent Nosing, 1-1/4" x 2-7-16" Note: Includes adhesive.	15.18	4.46
09 65 13 26-0003	LF	Visually Impaired Tread And Riser (Johnsonite)	55.01	5.22
09 65 13 26-0004	LF	Visually Impaired Tread (Johnsonite)	46.61	4.46
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.07	1.16
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	3.18	1.16
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.45	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	2.97	1.05
		For Up To 20, Add	*1.03*	
		For >20 To 40, Add	*0.59*	
		For >40 To 80, Add	*0.22*	
		For >240 To 960, Deduct	*-0.22*	
		For >960, Deduct	*-0.34*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	2.65	1.05
		For Up To 20, Add	*0.98*	
		For >20 To 40, Add	*0.56*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.19*	
		For >960, Deduct	*-0.29*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	2.26	1.05
		For Up To 20, Add	*0.92*	
		For >20 To 40, Add	*0.52*	
		For >40 To 80, Add	*0.19*	
		For >240 To 960, Deduct	*-0.15*	
		For >960, Deduct	*-0.23*	
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	3.59	1.45
		For Up To 20, Add	*1.46*	
		For >20 To 40, Add	*0.82*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.24*	
		For >960, Deduct	*-0.37*	
09 65 13 36-0006		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	4.42	1.45
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.33*	
		For >960, Deduct	*-0.49*	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	4.42	1.45
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.33*	
		For >960, Deduct	*-0.49*	
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	5.36	1.45
		For Up To 20, Add	*1.73*	
		For >20 To 40, Add	*1.00*	
		For >40 To 80, Add	*0.38*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.63*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	8.70	1.45
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.75*	
		For >960, Deduct	*-1.13*	
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	8.72	1.45
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.13*	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	5.86	1.45
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.41*	
		For >240 To 960, Deduct	*-0.47*	
		For >960, Deduct	*-0.71*	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	8.48	1.45
		For Up To 20, Add	*2.20*	
		For >20 To 40, Add	*1.31*	
		For >40 To 80, Add	*0.54*	
		For >240 To 960, Deduct	*-0.73*	
		For >960, Deduct	*-1.10*	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	8.78	1.45
		For Up To 20, Add	*2.24*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.14*	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	7.44	1.45
		For Up To 20, Add	*2.04*	
		For >20 To 40, Add	*1.21*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.94*	
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	8.10	1.45
		For Up To 20, Add	*2.14*	
		For >20 To 40, Add	*1.27*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.69*	
		For >960, Deduct	*-1.04*	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	8.78	1.45
		For Up To 20, Add	*2.24*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.55*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.14*	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	7.31	1.45
		For Up To 20, Add	*2.02*	
		For >20 To 40, Add	*1.19*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.62*	
		For >960, Deduct	*-0.92*	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	6.22	1.45
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.08*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	9.02	1.45
		For Up To 20, Add	*2.28*	
		For >20 To 40, Add	*1.36*	
		For >40 To 80, Add	*0.57*	
		For >240 To 960, Deduct	*-0.79*	
		For >960, Deduct	*-1.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	11.54	1.45
		For Up To 20, Add	*2.66*	
		For >20 To 40, Add	*1.62*	
		For >40 To 80, Add	*0.69*	
		For >240 To 960, Deduct	*-1.04*	
		For >960, Deduct	*-1.56*	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	6.05	1.45
		For Up To 20, Add	*1.83*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.73*	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	6.13	1.45
		For Up To 20, Add	*1.84*	
		For >20 To 40, Add	*1.08*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.50*	
		For >960, Deduct	*-0.75*	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	6.92	1.45
		For Up To 20, Add	*1.96*	
		For >20 To 40, Add	*1.15*	
		For >40 To 80, Add	*0.46*	
		For >240 To 960, Deduct	*-0.58*	
		For >960, Deduct	*-0.86*	

09 65 13 36-0025 Nosing For Resilient Athletic Mats *(09 65 13 36)*

09 65 13 36-0026	LF	3/16" x 2-7/16" Standard Nosing, Glue-on/Sew-on (Mats Inc. NOSWWON XX)	5.90	1.05
		For Up To 20, Add	*1.47*	
		For >20 To 40, Add	*0.88*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.52*	
		For >960, Deduct	*-0.78*	
09 65 13 36-0027	LF	1/4" x 2-11/16" Low Profile Nosing, Sew-on (Mats Inc. LOPROFI BK)	6.38	1.05
		For Up To 20, Add	*1.54*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.57*	
		For >960, Deduct	*-0.85*	

09 65 13 36-0028 Transitions For Resilient Athletic Mats *(09 65 13 36)*

09 65 13 36-0029	LF	6" Wide Polyvinyl Chloride (PVC) Transition, (Mats Inc. ALCRS BK)	10.48	1.05
		For Up To 20, Add	*2.15*	
		For >20 To 40, Add	*1.34*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.98*	
		For >960, Deduct	*-1.46*	

09 65 13 36-0030 Levelers For Resilient Athletic Mats *(09 65 13 36)*

09 65 13 36-0031	LF	1/8" Thick Leveling Strip, (Mats Inc. NOLEV18 BK)	5.78	1.05
		For Up To 20, Add	*1.45*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.76*	
09 65 13 36-0032	LF	1/4" Thick Leveling Strip, (Mats Inc. NOLEV14 BK)	8.31	1.05
		For Up To 20, Add	*1.83*	
		For >20 To 40, Add	*1.12*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.76*	
		For >960, Deduct	*-1.14*	

09 65 13 36-0033 Aluminum Edge Framing *(09 65 13 36)*

09 65 13 36-0034	LF	5/8" Height, "J" Frame Aluminum Edge Transition Trim (Mats Inc. ALJFRLP)	13.38	
		For Up To 20, Add	*2.88*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.78*	
		For >240 To 960, Deduct	*-1.23*	
		For >960, Deduct	*-1.84*	
09 65 13 36-0035	LF	7/16" Height, "L" Frame Aluminum Edge Transition Trim (Mats Inc. ALLFR)	13.38	
		For Up To 20, Add	*2.88*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.78*	
		For >240 To 960, Deduct	*-1.23*	
		For >960, Deduct	*-1.84*	
09 65 13 36-0036	LF	7/16" Height, "R" Frame Aluminum Edge Transition Trim (Mats Inc. ALRFRLP)	15.91	
		For Up To 20, Add	*3.26*	
		For >20 To 40, Add	*2.03*	
		For >40 To 80, Add	*0.91*	
		For >240 To 960, Deduct	*-1.48*	
		For >960, Deduct	*-2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0037	LF	5/16" Height, "T" Frame Aluminum Edge Transition Trim (Mats Inc. ALT38)	13.38	
		For Up To 20, Add	*2.88*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.78*	
		For >240 To 960, Deduct	*-1.23*	
		For >960, Deduct	*-1.84*	
09 65 13 36-0038	LF	3/8" Height, "Z" Frame Aluminum Edge Transition Trim (Mats Inc. WALZFR12)	13.38	
		For Up To 20, Add	*2.88*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.78*	
		For >240 To 960, Deduct	*-1.23*	
		For >960, Deduct	*-1.84*	
09 65 13 36-0039	LF	3/8" Height x 1-3/8" Width, Ramp Frame Aluminum Edge Transition Trim (Mats Inc. ALRMP3)	13.38	
		For Up To 20, Add	*2.88*	
		For >20 To 40, Add	*1.78*	
		For >40 To 80, Add	*0.78*	
		For >240 To 960, Deduct	*-1.23*	
		For >960, Deduct	*-1.84*	
09 65 13 36-0040	LF	7/16" Height x 2-3/4" Width, Overlap Ramp Frame Aluminum Edge Transition Trim (Mats Inc. ALSMR2)	23.01	
		For Up To 20, Add	*4.33*	
		For >20 To 40, Add	*2.74*	
		For >40 To 80, Add	*1.26*	
		For >240 To 960, Deduct	*-2.19*	
		For >960, Deduct	*-3.29*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	12.11	0.86
		For Up To 40, Add	*4.72*	
		For >40 To 100, Add	*2.36*	
		For >1,000, Deduct	*-1.03*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	9.92	0.86
		For Up To 40, Add	*4.29*	
		For >40 To 100, Add	*2.14*	
		For >1,000, Deduct	*-0.82*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	6.52	0.86
		For Up To 40, Add	*3.61*	
		For >40 To 100, Add	*1.80*	
		For >1,000, Deduct	*-0.48*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	8.53	0.86
		For Up To 40, Add	*4.01*	
		For >40 To 100, Add	*2.00*	
		For >1,000, Deduct	*-0.68*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	11.23	0.86
		For Up To 40, Add	*4.55*	
		For >40 To 100, Add	*2.27*	
		For >1,000, Deduct	*-0.95*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	15.47	0.86
		For Up To 40, Add	*5.40*	
		For >40 To 100, Add	*2.70*	
		For >1,000, Deduct	*-1.37*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	8.13
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	8.60

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	19.31

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	4.76
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	4.30
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.52
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	3.40

09 65 16 33 Rubber Sheet Flooring *(09 65 16)*

09 65 16 33-0001 Rubber Sheet Flooring *(09 65 16 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 33-0002	SF	3.0mm Thick, Homogeneous Non-Porous Texture, Rubber Sheet Flooring (Noraplan Degree) Note: Smooth surface.	17.55	0.86
		For Up To 20, Add	*3.34*	
		For >20 To 40, Add	*2.11*	
		For >40 To 100, Add	*0.97*	
09 65 16 33-0003	SF	3.0mm Thick, Electrostatic Dissipative, Homogeneous Non-Porous Texture, Rubber Sheet Flooring (Noraplan Grano HMD) Note: Smooth surface.	21.43	0.86
		For Up To 20, Add	*3.92*	
		For >20 To 40, Add	*2.50*	
		For >40 To 100, Add	*1.16*	

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	4.87	1.74
		For 3/32" Thick, Deduct	*-0.27*	
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.35*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.27*	
		For >6,000, Deduct	*-0.48*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	4.69	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*1.56*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.34*	
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.47*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	4.69	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*1.56*	
		For >20 To 40, Add	*0.90*	
		For >40 To 80, Add	*0.34*	
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.26*	
		For >6,000, Deduct	*-0.47*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	7.06	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*1.92*	
		For >20 To 40, Add	*1.13*	
		For >40 To 80, Add	*0.46*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.62*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	7.08	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*1.92*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.46*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.62*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	7.53	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*1.99*	
		For >20 To 40, Add	*1.18*	
		For >40 To 80, Add	*0.48*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.64*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	7.60	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*2.00*	
		For >20 To 40, Add	*1.19*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	7.89	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*2.04*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.67*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	10.47	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.63*	
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.49*	
		For >6,000, Deduct	*-0.82*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	11.48	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*2.58*	
		For >20 To 40, Add	*1.58*	
		For >40 To 80, Add	*0.68*	
		For >1,000 To 3,000, Deduct	*-0.24*	
		For >3,000 To 6,000, Deduct	*-0.53*	
		For >6,000, Deduct	*-0.88*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	20.08	1.74
		For Extra Stock, Material Only, Deduct	*-3.44*	
		For Up To 20, Add	*4.46*	
		For >20 To 40, Add	*2.73*	
		For >40 To 80, Add	*1.19*	
		For >1,000 To 3,000, Deduct	*-0.42*	
		For >3,000 To 6,000, Deduct	*-0.93*	
		For >6,000, Deduct	*-1.53*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	15.41	1.74
		For Extra Stock, Material Only, Deduct	*-3.44*	
		For Up To 20, Add	*3.76*	
		For >20 To 40, Add	*2.27*	
		For >40 To 80, Add	*0.95*	
		For >1,000 To 3,000, Deduct	*-0.33*	
		For >3,000 To 6,000, Deduct	*-0.74*	
		For >6,000, Deduct	*-1.25*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	6.57	1.74
		For Up To 20, Add	*2.17*	
		For >20 To 40, Add	*1.25*	
		For >40 To 80, Add	*0.48*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.66*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	6.86	1.74
		For Up To 20, Add	*2.21*	
		For >20 To 40, Add	*1.28*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.68*	
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	6.96	1.74
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.68*	

09 65 19 23-0006 Vinyl Floor Tile (Karndean) *(09 65 19 23-0001)*

09 65 19 23-0007	SF	2.5mm Thick x 12" x 12" Vinyl Floor Tile With Acrylic Adhesive (Karndean Slate)	9.49	1.74
		For Up To 20, Add	*2.61*	
		For >20 To 40, Add	*1.54*	
		For >40 To 80, Add	*0.62*	
		For >1,000 To 3,000, Deduct	*-0.20*	
		For >3,000 To 6,000, Deduct	*-0.48*	
		For >6,000, Deduct	*-0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0008	SF	2.5mm Thick x 12" x 12" Vinyl Floor Tile With Epoxy Adhesive (Karndean Slate)	10.50	1.74
		For Up To 20, Add	*2.76*	
		For >20 To 40, Add	*1.64*	
		For >40 To 80, Add	*0.67*	
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.52*	
		For >6,000, Deduct	*-0.90*	
09 65 19 23-0009	SF	2.5mm Thick x 12" x 12" Vinyl Floor Tile With Acrylic Adhesive (Karndean Fuego)	12.64	1.74
		For Up To 20, Add	*3.08*	
		For >20 To 40, Add	*1.86*	
		For >40 To 80, Add	*0.78*	
		For >1,000 To 3,000, Deduct	*-0.27*	
		For >3,000 To 6,000, Deduct	*-0.61*	
		For >6,000, Deduct	*-1.02*	
09 65 19 23-0010	SF	2.5mm Thick x 12" x 12" Vinyl Floor Tile With Epoxy Adhesive (Karndean Fuego)	13.64	1.74
		For Up To 20, Add	*3.23*	
		For >20 To 40, Add	*1.96*	
		For >40 To 80, Add	*0.83*	
		For >1,000 To 3,000, Deduct	*-0.29*	
		For >3,000 To 6,000, Deduct	*-0.65*	
		For >6,000, Deduct	*-1.08*	
09 65 19 23-0011	SF	2.5mm Thick x 12" x 12" Vinyl Floor Tile With Acrylic Adhesive (Karndean Michaelangelo)	13.19	1.74
		For Up To 20, Add	*3.16*	
		For >20 To 40, Add	*1.91*	
		For >40 To 80, Add	*0.81*	
		For >1,000 To 3,000, Deduct	*-0.28*	
		For >3,000 To 6,000, Deduct	*-0.63*	
		For >6,000, Deduct	*-1.06*	
09 65 19 23-0012	SF	2.5mm Thick x 12" x 12" Vinyl Floor Tile With Epoxy Adhesive (Karndean Michaelangelo)	14.19	1.74
		For Up To 20, Add	*3.31*	
		For >20 To 40, Add	*2.01*	
		For >40 To 80, Add	*0.86*	
		For >1,000 To 3,000, Deduct	*-0.30*	
		For >3,000 To 6,000, Deduct	*-0.67*	
		For >6,000, Deduct	*-1.12*	

09 65 19 23-0013 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

09 65 19 23-0014	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	7.12	2.31
		For Up To 20, Add	*2.25*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0015	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori)	7.34	2.31
		For Up To 20, Add	*2.29*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.71*	
09 65 19 23-0016	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue)	6.92	2.31
		For Up To 20, Add	*2.22*	
		For >20 To 40, Add	*1.28*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.68*	
09 65 19 23-0017	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue)	7.33	2.31
		For Up To 20, Add	*2.28*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.71*	
09 65 19 23-0018	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	6.10	1.74
		For Up To 20, Add	*2.10*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.45*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.63*	
09 65 19 23-0019	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	8.01	1.74
		For Up To 20, Add	*2.39*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0020	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	7.08	2.31
		For Up To 20, Add	*2.25*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0021	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	8.02	2.31
		For Up To 20, Add	*2.39*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0022	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	7.08	2.31
		For Up To 20, Add	*2.25*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0023	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	8.02	2.31
		For Up To 20, Add	*2.39*	
		For >20 To 40, Add	*1.39*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0024	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	8.18	2.31
		For Up To 20, Add	*2.41*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.56*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.76*	
09 65 19 23-0025	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	8.08	2.31
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.40*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0026	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis)	8.88	2.31
		For Up To 20, Add	*2.52*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.59*	
		For >1,000 To 3,000, Deduct	*-0.19*	
		For >3,000 To 6,000, Deduct	*-0.46*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0027	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful)	8.13	2.31
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.41*	
		For >40 To 80, Add	*0.55*	
		For >1,000 To 3,000, Deduct	*-0.18*	
		For >3,000 To 6,000, Deduct	*-0.43*	
		For >6,000, Deduct	*-0.75*	
09 65 19 23-0028	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil)	6.94	2.31
		For Up To 20, Add	*2.23*	
		For >20 To 40, Add	*1.29*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.68*	
09 65 19 23-0029	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide)	6.45	2.31
		For Up To 20, Add	*2.15*	
		For >20 To 40, Add	*1.24*	
		For >40 To 80, Add	*0.47*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.65*	
09 65 19 23-0030	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude)	7.38	1.74
		For Up To 20, Add	*2.29*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.71*	
09 65 19 23-0031	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	6.64	1.74
		For Up To 20, Add	*2.18*	
		For >20 To 40, Add	*1.26*	
		For >40 To 80, Add	*0.48*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.37*	
		For >6,000, Deduct	*-0.66*	
09 65 19 23-0032	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	6.04	1.74
		For Up To 20, Add	*2.09*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.45*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0033	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	7.82	1.74
		For Up To 20, Add	*2.36*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.74*	
09 65 19 23-0034	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	6.04	1.74
		For Up To 20, Add	*2.09*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.45*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.63*	
09 65 19 23-0035	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	7.82	1.74
		For Up To 20, Add	*2.36*	
		For >20 To 40, Add	*1.37*	
		For >40 To 80, Add	*0.54*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.42*	
		For >6,000, Deduct	*-0.74*	
09 65 19 23-0036	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	7.08	1.74
		For Up To 20, Add	*2.25*	
		For >20 To 40, Add	*1.30*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.69*	
09 65 19 23-0037	SF	2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico)	11.80	1.74
		For Up To 20, Add	*2.95*	
		For >20 To 40, Add	*1.77*	
		For >40 To 80, Add	*0.74*	
		For >1,000 To 3,000, Deduct	*-0.25*	
		For >3,000 To 6,000, Deduct	*-0.58*	
		For >6,000, Deduct	*-0.97*	

09 65 19 23-0038 Resilient Plank Flooring *(09 65 19 23)*

Note: Includes mastic, and finished flooring being cleaned, sealed, waxed, and polished. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 23-0039	SF	7" Wide Resilient Plank Vinyl Flooring Note: Karndean Van Gogh Plank Pallet	9.51	1.74
		For Up To 20, Add	*2.61*	
		For >20 To 40, Add	*1.54*	
		For >40 To 80, Add	*0.62*	
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.48*	
		For >6,000, Deduct	*-0.84*	
09 65 19 23-0040	SF	4" Wide Resilient Plank Vinyl Flooring Note: Karndean Knight Tile Plank	9.82	1.74
		For Up To 20, Add	*2.66*	
		For >20 To 40, Add	*1.57*	
		For >40 To 80, Add	*0.64*	
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.50*	
		For >6,000, Deduct	*-0.86*	
09 65 19 23-0041	SF	3" Wide Resilient Plank Vinyl Flooring Note: Karndean Da Vinci Plank	13.56	1.74
		For Up To 20, Add	*3.22*	
		For >20 To 40, Add	*1.95*	
		For >40 To 80, Add	*0.83*	
		For >1,000 To 3,000, Deduct	*-0.29*	
		For >3,000 To 6,000, Deduct	*-0.65*	
		For >6,000, Deduct	*-1.08*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	24.65	1.05
		For Up To 20, Add	*4.55*	
		For >20 To 40, Add	*2.89*	
		For >40 To 100, Add	*1.34*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	29.87	1.16
		For Up To 20, Add	*5.40*	
		For >20 To 40, Add	*3.45*	
		For >40 To 100, Add	*1.61*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	33.19	1.39
		For Up To 20, Add	*6.09*	
		For >20 To 40, Add	*3.88*	
		For >40 To 100, Add	*1.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 43		**Polyester Composition Tile Flooring** *(09 65 19)*		
09 65 19 43-0001		Polyester Composition Floor Tile *(09 65 19 43)* Note: Any size.		
09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	11.04	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*2.51*	
		For >20 To 40, Add	*1.53*	
		For >40 To 80, Add	*0.66*	
		For >1,000 To 3,000, Deduct	*-0.23*	
		For >3,000 To 6,000, Deduct	*-0.52*	
		For >6,000, Deduct	*-0.86*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	8.21	1.74
		For Extra Stock, Material Only, Deduct	*-2.03*	
		For Up To 20, Add	*2.09*	
		For >20 To 40, Add	*1.25*	
		For >40 To 80, Add	*0.52*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.69*	
09 65 23		**Resilient Plank Flooring** *(09 65)* Note: Includes mastic and cleaning floor after installation is complete.		
09 65 23 00-0001		Vinyl Plank Flooring *(09 65 23)*		
09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.30	0.86
		For Up To 40, Add	*3.76*	
		For >40 To 100, Add	*1.88*	
		For >1,000, Deduct	*-0.55*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.08	0.86
		For Up To 40, Add	*4.12*	
		For >40 To 100, Add	*2.06*	
		For >1,000, Deduct	*-0.73*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	10.18	0.86
		For Up To 40, Add	*4.34*	
		For >40 To 100, Add	*2.17*	
		For >1,000, Deduct	*-0.84*	
09 65 43		**Linoleum Flooring** *(09 65)* Note: Includes mastic and cleaning floor after installation is complete.		
09 65 43 00-0001		Linoleum Flooring *(09 65 43)*		
09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	7.89	1.74
		For Up To 20, Add	*2.37*	
		For >20 To 40, Add	*1.38*	
		For >40 To 100, Add	*0.54*	
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.88	0.86
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.94*	
		For >40 To 100, Add	*0.38*	
		For 3.2mm Thickness, Add	*0.82*	
		For 2mm Thickness, Deduct	*-0.39*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	8.14	
09 65 66		**Resilient Athletic Flooring** *(09 65)*		
09 65 66 00-0001		Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*		
09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	8.21	0.81
		For Colors, Add	*1.41*	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.55	1.02
		For Colors, Add	*1.62*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	11.12	1.62
		For Colors, Add	*1.76*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	16.12	1.97
		For Colors, Add	*2.66*	
09 65 66 00-0006		Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*		
09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	43.40	0.81
		For Colors, Add	*5.28*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	62.77	0.81
		For Colors, Add	*7.70*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	45.84	0.81
		For Colors, Add	*5.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	56.40	0.81
		For Colors, Add	*6.91*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	47.14	0.81
		For Colors, Add	*5.75*	

09 65 66 00-0012 Sheet Goods For Gym *(09 65 66)*

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.66	3.48
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	23.97	3.59
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	25.15	3.71
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	6.11	2.83
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	6.85	3.25
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	7.85	3.48
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	8.59	3.71
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	9.08	3.94

09 65 66 00-0021 Polyurethane Floor Systems *(09 65 66)*

09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	26.01	2.31

09 65 66 00-0023 Engineered Athletic Flooring Systems (Taraflex) *(09 65 66)*

Note: Excludes concrete repairs to subbase and thresholds.

09 65 66 00-0024	SF	3mm, Engineered Athletic Flooring System (Taraflex Multi-Use 3.0)	16.80	2.19
09 65 66 00-0025	SF	5mm, Engineered Athletic Flooring System (Taraflex Multi-Use 5.0)	17.91	2.19
09 65 66 00-0026	SF	7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus)	21.01	2.19
09 65 66 00-0027	SF	7mm, Engineered Athletic Flooring System (Taraflex Sport M Plus Drytex)	25.38	2.19
09 65 66 00-0028	SF	9mm, Engineered Athletic Flooring System (Taraflex Sport Performance Plus)	21.34	2.19
09 65 66 00-0029	SF	Slip Sheet Membrane For Engineered Athletic Flooring Systems (Taraflex Isolsport)	3.95	0.82
09 65 66 00-0030	EA	Lines For Engineered Athletic Flooring Systems, Per Sport (Taraflex) Note: Lines priced per sport for a standard sized gym floor (approximately 5,000 SF).	843.17	

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001 Floors Not Bonded To Concrete *(09 66 13 13)*

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.09	3.47
		For Venetian Type Terrazzo, Add	*8.78*	
		For Abrasive Heavy-Duty Terrazzo, Add	*8.78*	
		For Colors, Add	*4.39*	
		For Up To 100, Add	*9.17*	
		For >100 To 250, Add	*4.59*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.26	3.47
		For Venetian Type Terrazzo, Add	*8.86*	
		For Abrasive Heavy-Duty Terrazzo, Add	*8.86*	
		For Colors, Add	*4.43*	
		For Up To 100, Add	*9.19*	
		For >100 To 250, Add	*4.59*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping Note: Including Mesh And Felt	19.52	3.47
		For Venetian Type Terrazzo, Add	*6.39*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.39*	
		For Colors, Add	*3.20*	
		For Up To 100, Add	*3.97*	
		For >100 To 250, Add	*1.99*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*

Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	28.74	3.47
		For Venetian Type Terrazzo, Add	*7.25*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.25*	
		For Colors, Add	*3.62*	
		For Up To 100, Add	*7.15*	
		For >100 To 250, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	28.91	3.47
		For Venetian Type Terrazzo, Add	*7.33*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.33*	
		For Colors, Add	*3.67*	
		For Up To 100, Add	*7.17*	
		For >100 To 250, Add	*3.58*	
09 66 13 19-0004		**Terrazzo Wainscot** *(09 66 13 19)*		
09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	40.24	4.64
		For Venetian Type Terrazzo, Add	*4.69*	
09 66 13 19-0006		**Terrazzo Base** *(09 66 13 19)*		
09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	41.25	3.74
		For Venetian Type Terrazzo, Add	*10.23*	
09 66 13 19-0008		**Terrazzo Curb** *(09 66 13 19)*		
09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	110.46	24.96
		For Venetian Type Terrazzo, Add	*13.64*	
09 66 13 19-0010		**Stairs Cast In Place** *(09 66 13 19)*		
		Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	41.36	6.95
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	104.38	23.16
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	41.87	6.95
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0014		**Divider Strips** *(09 66 13 19)*		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.74	1.16
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.72	1.16
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.49	1.16
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	15.57	1.16
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.47	1.16
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	9.66	1.16
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	7.04	1.16
09 66 16		**Terrazzo Floor Tile** *(09 66)*		
09 66 16 13		**Portland Cement Terrazzo Floor Tile** *(09 66 16)*		
09 66 16 13-0001		**Flooring Tiles** *(09 66 16 13)*		
		Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002		**Terrazzo Tiles With Non-Slip Surface** *(09 66 16 13-0001)*		
09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	33.03	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	33.48	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	38.59	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	40.90	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	42.36	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0008		**Terrazzo Tile Thin Set** *(09 66 16 13-0001)*		
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	32.52	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	34.52	3.27
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0011		Thin Set Terrazzo Wainscot *(09 66 16 13-0001)*		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	54.19	7.48
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	61.98	7.48
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0014		Thin Set Terrazzo Base, Gray Cement *(09 66 16 13-0001)*		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	17.81	3.74
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	19.67	3.74
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	20.62	3.74
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	21.55	3.74
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0019		Terrazzo Curbs *(09 66 16 13-0001)*		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	37.06	5.00
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	36.13	5.00
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	81.85	5.00
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	70.73	5.00
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	63.31	5.00
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	73.88	5.00
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	37.84	3.74
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	43.40	3.74
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	54.82	3.74
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	58.53	3.74
09 66 16 13-0033		Tread And Riser *(09 66 16 13)*		
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	92.74	9.98
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	111.66	9.98
09 66 16 13-0037		Structural Non-Slip Landings *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	66.39	5.00
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	81.14	5.00
09 66 16 13-0040		Combined Tread And Riser *(09 66 16 13-0033)*		
09 66 16 13-0041		Straight Sections *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	142.19	9.98
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	168.14	9.98
09 66 16 13-0044		Curved Sections *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	176.91	9.98
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	221.39	9.98
09 66 23		**Resinous Matrix Terrazzo Flooring *(09 66)***		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring *(09 66 23)***		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	27.12	3.47

09 66 33 Conductive Terrazzo Flooring *(09 66)*

Note: For anti-static areas.

09 66 33 13 Conductive Epoxy-Resin Terrazzo *(09 66 33)*

09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	28.37	6.24
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	50.82	6.24

09 66 33 16 Conductive Polyester-Resin Terrazzo Flooring *(09 66 33)*

09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	21.83	6.24
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	36.48	6.24

09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring *(09 66 33)*

09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	24.48	6.24
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	46.00	6.24
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	34.82	6.24
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	39.91	6.24

09 67 Fluid-Applied Flooring *(09 60)*

09 67 16 Epoxy-Marble Chip Flooring *(09 67)*

09 67 16 00-0001 Epoxy Marble Chip Flooring *(09 67 16)*

09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.	19.61	3.47
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy Note: Includes primer, 3/16" marble chip coat and top seal coat.	20.90	3.47
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	

09 67 23 Resinous Flooring *(09 67)*

09 67 23 00-0001 Epoxy Resinous Flooring *(09 67 23)*

Note: Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polishing passes, 09 01 60 91-0011 for degreasing.

09 67 23 00-0002	SF	Heavy-Duty Epoxy Resinous Chemical Resistant Industrial Flooring	24.89	9.84
		For Up To 250, Add	*2.80*	
		For >1,000 To 2,500, Deduct	*-2.26*	
		For >2,500, Deduct	*-3.27*	

09 67 23 00-0003 Epoxy Resin Flooring *(09 67 23)*

Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.

09 67 23 00-0004	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	15.36	7.87
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*2.91*	
		For >500 To 1,000, Add	*1.84*	
		For >1,000 To 2,000, Add	*0.92*	
		For >10,000, Deduct	*-1.00*	
09 67 23 00-0005	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, one 3/16" slurry coat and top seal coats (color).	22.71	7.87
		For Skid Resistant Abrasive Sand Finish, Add	*0.13*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.13*	
		For Up To 500, Add	*4.75*	
		For >500 To 1,000, Add	*2.94*	
		For >1,000 To 2,000, Add	*1.47*	
		For >10,000, Deduct	*-1.37*	
09 67 23 00-0006	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	18.34	8.80
		For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
		For Up To 500, Add	*3.43*	
		For >500 To 1,000, Add	*2.17*	
		For >1,000 To 2,000, Add	*1.09*	
		For >10,000, Deduct	*-1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0007	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 1/8" slurry coats and top seal coats (color).	26.76	8.80
		For Skid Resistant Abrasive Sand Finish, Add	*0.15*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.15*	
		For Up To 500, Add	*5.53*	
		For >500 To 1,000, Add	*3.44*	
		For >1,000 To 2,000, Add	*1.72*	
		For >10,000, Deduct	*-1.63*	
09 67 23 00-0008	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	20.71	9.84
		For Skid Resistant Abrasive Sand Finish, Add	*0.08*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.08*	
		For Up To 500, Add	*3.89*	
		For >500 To 1,000, Add	*2.46*	
		For >1,000 To 2,000, Add	*1.23*	
		For >10,000, Deduct	*-1.36*	
09 67 23 00-0009	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	29.65	9.84
		For Skid Resistant Abrasive Sand Finish, Add	*0.17*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.17*	
		For Up To 500, Add	*6.13*	
		For >500 To 1,000, Add	*3.80*	
		For >1,000 To 2,000, Add	*1.90*	
		For >10,000, Deduct	*-1.80*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.

09 68 13 00-0002 Patterned Carpet Tiles (Shaw) *(09 68 13 00-0001)*

09 68 13 00-0003 15 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0004	SY	COMPANION STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	41.20	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.72*	
		For >600 To 900, Deduct	*-1.46*	
		For >900 To 1,500, Deduct	*-2.20*	
		For >1,500 To 2,200, Deduct	*-3.27*	
		For >2,200 To 3,500, Deduct	*-4.30*	
		For >3,500, Deduct	*-5.33*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0005	SY	CORRESPOND STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	41.20	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.72*	
		For >600 To 900, Deduct	*-1.46*	
		For >900 To 1,500, Deduct	*-2.20*	
		For >1,500 To 2,200, Deduct	*-3.27*	
		For >2,200 To 3,500, Deduct	*-4.30*	
		For >3,500, Deduct	*-5.33*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0006	SY	PARTNER STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	41.20	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.48*	
		For >400 To 600, Deduct	*-0.72*	
		For >600 To 900, Deduct	*-1.46*	
		For >900 To 1,500, Deduct	*-2.20*	
		For >1,500 To 2,200, Deduct	*-3.27*	
		For >2,200 To 3,500, Deduct	*-4.30*	
		For >3,500, Deduct	*-5.33*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0007	SY	CENTRIC ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.19	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.76*	
		For >900 To 1,500, Deduct	*-2.62*	
		For >1,500 To 2,200, Deduct	*-3.86*	
		For >2,200 To 3,500, Deduct	*-5.04*	
		For >3,500, Deduct	*-6.22*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0008	SY	SURROUND ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.19	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.76*	
		For >900 To 1,500, Deduct	*-2.62*	
		For >1,500 To 2,200, Deduct	*-3.86*	
		For >2,200 To 3,500, Deduct	*-5.04*	
		For >3,500, Deduct	*-6.22*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0009	SY	GLAZE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.54	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.00*	
		For >600 To 900, Deduct	*-1.93*	
		For >900 To 1,500, Deduct	*-2.85*	
		For >1,500 To 2,200, Deduct	*-4.20*	
		For >2,200 To 3,500, Deduct	*-5.46*	
		For >3,500, Deduct	*-6.73*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0010	SY	TRANSPARENT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.01	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.89*	
		For >1,500 To 2,200, Deduct	*-4.25*	
		For >2,200 To 3,500, Deduct	*-5.52*	
		For >3,500, Deduct	*-6.80*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0011	SY	CLEAR ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.00	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.89*	
		For >1,500 To 2,200, Deduct	*-4.25*	
		For >2,200 To 3,500, Deduct	*-5.52*	
		For >3,500, Deduct	*-6.80*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0012	SY	DIRECTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.63	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.41*	
		For >2,200 To 3,500, Deduct	*-5.72*	
		For >3,500, Deduct	*-7.04*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0013	SY	REVERSE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.63	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.41*	
		For >2,200 To 3,500, Deduct	*-5.72*	
		For >3,500, Deduct	*-7.04*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0014	SY	SHAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.63	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.41*	
		For >2,200 To 3,500, Deduct	*-5.72*	
		For >3,500, Deduct	*-7.04*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0015	SY	ARRANGE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.85	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.46*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.39*	
		For >900 To 1,500, Deduct	*-2.11*	
		For >1,500 To 2,200, Deduct	*-3.13*	
		For >2,200 To 3,500, Deduct	*-4.13*	
		For >3,500, Deduct	*-5.12*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0016	SY	ARRAY STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.85	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.46*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.39*	
		For >900 To 1,500, Deduct	*-2.11*	
		For >1,500 To 2,200, Deduct	*-3.13*	
		For >2,200 To 3,500, Deduct	*-4.13*	
		For >3,500, Deduct	*-5.12*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0017	SY	OFFSET STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.85	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.46*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.39*	
		For >900 To 1,500, Deduct	*-2.11*	
		For >1,500 To 2,200, Deduct	*-3.13*	
		For >2,200 To 3,500, Deduct	*-4.13*	
		For >3,500, Deduct	*-5.12*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0018	SY	STRUCTURE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.85	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.46*	
		For >400 To 600, Deduct	*-0.68*	
		For >600 To 900, Deduct	*-1.39*	
		For >900 To 1,500, Deduct	*-2.11*	
		For >1,500 To 2,200, Deduct	*-3.13*	
		For >2,200 To 3,500, Deduct	*-4.13*	
		For >3,500, Deduct	*-5.12*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0019	SY	POURED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.00	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.87*	
		For >600 To 900, Deduct	*-1.70*	
		For >900 To 1,500, Deduct	*-2.54*	
		For >1,500 To 2,200, Deduct	*-3.75*	
		For >2,200 To 3,500, Deduct	*-4.90*	
		For >3,500, Deduct	*-6.05*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0020	SY	STACKED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	46.00	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.58*	
		For >400 To 600, Deduct	*-0.87*	
		For >600 To 900, Deduct	*-1.70*	
		For >900 To 1,500, Deduct	*-2.54*	
		For >1,500 To 2,200, Deduct	*-3.75*	
		For >2,200 To 3,500, Deduct	*-4.90*	
		For >3,500, Deduct	*-6.05*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0021	SY	COMMONS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.11	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.76*	
		For >900 To 1,500, Deduct	*-2.61*	
		For >1,500 To 2,200, Deduct	*-3.86*	
		For >2,200 To 3,500, Deduct	*-5.03*	
		For >3,500, Deduct	*-6.21*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0022	SY	MAKERSPACE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.11	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.76*	
		For >900 To 1,500, Deduct	*-2.61*	
		For >1,500 To 2,200, Deduct	*-3.86*	
		For >2,200 To 3,500, Deduct	*-5.03*	
		For >3,500, Deduct	*-6.21*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0023	SY	QUAD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	47.11	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.76*	
		For >900 To 1,500, Deduct	*-2.61*	
		For >1,500 To 2,200, Deduct	*-3.86*	
		For >2,200 To 3,500, Deduct	*-5.03*	
		For >3,500, Deduct	*-6.21*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0024	SY	DIFFUSE 24" X 24" ECOLOGIX® 15 Ounce, Patterned, Nylon Carpet Tile	50.96	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.88*	
		For >1,500 To 2,200, Deduct	*-4.24*	
		For >2,200 To 3,500, Deduct	*-5.52*	
		For >3,500, Deduct	*-6.79*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0025	SY	DIFFUSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.91	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.64*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.85*	
		For >900 To 1,500, Deduct	*-2.74*	
		For >1,500 To 2,200, Deduct	*-4.04*	
		For >2,200 To 3,500, Deduct	*-5.26*	
		For >3,500, Deduct	*-6.48*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0026	SY	DISPERSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.91	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.64*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.85*	
		For >900 To 1,500, Deduct	*-2.74*	
		For >1,500 To 2,200, Deduct	*-4.04*	
		For >2,200 To 3,500, Deduct	*-5.26*	
		For >3,500, Deduct	*-6.48*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0027	SY	DISPERSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.53	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.00*	
		For >600 To 900, Deduct	*-1.93*	
		For >900 To 1,500, Deduct	*-2.85*	
		For >1,500 To 2,200, Deduct	*-4.20*	
		For >2,200 To 3,500, Deduct	*-5.46*	
		For >3,500, Deduct	*-6.73*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0028	SY	DIFFUSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.88*	
		For >1,500 To 2,200, Deduct	*-4.23*	
		For >2,200 To 3,500, Deduct	*-5.50*	
		For >3,500, Deduct	*-6.78*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0029	SY	INFINITE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-1.93*	
		For >900 To 1,500, Deduct	*-2.86*	
		For >1,500 To 2,200, Deduct	*-4.21*	
		For >2,200 To 3,500, Deduct	*-5.47*	
		For >3,500, Deduct	*-6.74*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0030	SY	VAST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-1.93*	
		For >900 To 1,500, Deduct	*-2.86*	
		For >1,500 To 2,200, Deduct	*-4.21*	
		For >2,200 To 3,500, Deduct	*-5.47*	
		For >3,500, Deduct	*-6.74*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0031	SY	TANGLE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.42	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.97*	
		For >900 To 1,500, Deduct	*-2.92*	
		For >1,500 To 2,200, Deduct	*-4.29*	
		For >2,200 To 3,500, Deduct	*-5.57*	
		For >3,500, Deduct	*-6.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0032	SY	TEMPT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.42	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.97*	
		For >900 To 1,500, Deduct	*-2.92*	
		For >1,500 To 2,200, Deduct	*-4.29*	
		For >2,200 To 3,500, Deduct	*-5.57*	
		For >3,500, Deduct	*-6.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0033	SY	ENGAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.54	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.13*	
		For >900 To 1,500, Deduct	*-3.13*	
		For >1,500 To 2,200, Deduct	*-4.60*	
		For >2,200 To 3,500, Deduct	*-5.96*	
		For >3,500, Deduct	*-7.33*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0034	SY	THINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.54	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.13*	
		For >900 To 1,500, Deduct	*-3.13*	
		For >1,500 To 2,200, Deduct	*-4.60*	
		For >2,200 To 3,500, Deduct	*-5.96*	
		For >3,500, Deduct	*-7.33*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0035	SY	DIFFUSE 24" X 24" ECOLOGIX® ES 15 Ounce, Patterned, Nylon Carpet Tile	54.68	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.14*	
		For >900 To 1,500, Deduct	*-3.14*	
		For >1,500 To 2,200, Deduct	*-4.61*	
		For >2,200 To 3,500, Deduct	*-5.98*	
		For >3,500, Deduct	*-7.35*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0036	SY	SCAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	53.33	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.07*	
		For >900 To 1,500, Deduct	*-3.05*	
		For >1,500 To 2,200, Deduct	*-4.48*	
		For >2,200 To 3,500, Deduct	*-5.81*	
		For >3,500, Deduct	*-7.15*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0037	SY	REALM ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	53.43	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.07*	
		For >900 To 1,500, Deduct	*-3.06*	
		For >1,500 To 2,200, Deduct	*-4.49*	
		For >2,200 To 3,500, Deduct	*-5.82*	
		For >3,500, Deduct	*-7.16*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0038	SY	SEA ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.63*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.84*	
		For >900 To 1,500, Deduct	*-2.73*	
		For >1,500 To 2,200, Deduct	*-4.02*	
		For >2,200 To 3,500, Deduct	*-5.24*	
		For >3,500, Deduct	*-6.46*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0039	SY	SEA EDGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.63*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.84*	
		For >900 To 1,500, Deduct	*-2.73*	
		For >1,500 To 2,200, Deduct	*-4.02*	
		For >2,200 To 3,500, Deduct	*-5.24*	
		For >3,500, Deduct	*-6.46*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0040	SY	SKY ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	48.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.63*	
		For >400 To 600, Deduct	*-0.95*	
		For >600 To 900, Deduct	*-1.84*	
		For >900 To 1,500, Deduct	*-2.73*	
		For >1,500 To 2,200, Deduct	*-4.02*	
		For >2,200 To 3,500, Deduct	*-5.24*	
		For >3,500, Deduct	*-6.46*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0041	SY	CENTRAL LINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.16	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.96*	
		For >900 To 1,500, Deduct	*-2.90*	
		For >1,500 To 2,200, Deduct	*-4.26*	
		For >2,200 To 3,500, Deduct	*-5.54*	
		For >3,500, Deduct	*-6.82*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0042	SY	CITY CENTRAL ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.16	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.96*	
		For >900 To 1,500, Deduct	*-2.90*	
		For >1,500 To 2,200, Deduct	*-4.26*	
		For >2,200 To 3,500, Deduct	*-5.54*	
		For >3,500, Deduct	*-6.82*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0043	SY	BOUNDLESS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.02	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.89*	
		For >1,500 To 2,200, Deduct	*-4.25*	
		For >2,200 To 3,500, Deduct	*-5.52*	
		For >3,500, Deduct	*-6.80*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0044	SY	SOURCE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.02	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.89*	
		For >1,500 To 2,200, Deduct	*-4.25*	
		For >2,200 To 3,500, Deduct	*-5.52*	
		For >3,500, Deduct	*-6.80*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0045	SY	UNDERTONE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	50.18	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.66*	
		For >400 To 600, Deduct	*-0.99*	
		For >600 To 900, Deduct	*-1.91*	
		For >900 To 1,500, Deduct	*-2.83*	
		For >1,500 To 2,200, Deduct	*-4.16*	
		For >2,200 To 3,500, Deduct	*-5.42*	
		For >3,500, Deduct	*-6.67*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0046	SY	HYBRID ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.53	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.98*	
		For >900 To 1,500, Deduct	*-2.92*	
		For >1,500 To 2,200, Deduct	*-4.30*	
		For >2,200 To 3,500, Deduct	*-5.59*	
		For >3,500, Deduct	*-6.88*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0047	SY	CATALYST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.53	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.98*	
		For >900 To 1,500, Deduct	*-2.92*	
		For >1,500 To 2,200, Deduct	*-4.30*	
		For >2,200 To 3,500, Deduct	*-5.59*	
		For >3,500, Deduct	*-6.88*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0048	SY	EMBARK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.27	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.03*	
		For >600 To 900, Deduct	*-1.97*	
		For >900 To 1,500, Deduct	*-2.91*	
		For >1,500 To 2,200, Deduct	*-4.27*	
		For >2,200 To 3,500, Deduct	*-5.55*	
		For >3,500, Deduct	*-6.84*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0049	SY	TINGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	51.73	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.69*	
		For >400 To 600, Deduct	*-1.04*	
		For >600 To 900, Deduct	*-1.99*	
		For >900 To 1,500, Deduct	*-2.94*	
		For >1,500 To 2,200, Deduct	*-4.32*	
		For >2,200 To 3,500, Deduct	*-5.61*	
		For >3,500, Deduct	*-6.91*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0050	SY	IMPACT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.22	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.70*	
		For >400 To 600, Deduct	*-1.05*	
		For >600 To 900, Deduct	*-2.01*	
		For >900 To 1,500, Deduct	*-2.97*	
		For >1,500 To 2,200, Deduct	*-4.37*	
		For >2,200 To 3,500, Deduct	*-5.67*	
		For >3,500, Deduct	*-6.98*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0051	SY	ALLURE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.41*	
		For >2,200 To 3,500, Deduct	*-5.73*	
		For >3,500, Deduct	*-7.04*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0052	SY	GLIMMER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.41*	
		For >2,200 To 3,500, Deduct	*-5.73*	
		For >3,500, Deduct	*-7.04*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0053	SY	SHINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	52.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.03*	
		For >900 To 1,500, Deduct	*-3.00*	
		For >1,500 To 2,200, Deduct	*-4.41*	
		For >2,200 To 3,500, Deduct	*-5.73*	
		For >3,500, Deduct	*-7.04*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0054	SY	BASALT II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.72*	
		For >2,200 To 3,500, Deduct	*-6.11*	
		For >3,500, Deduct	*-7.51*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0055	SY	FAULT LINES II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.72*	
		For >2,200 To 3,500, Deduct	*-6.11*	
		For >3,500, Deduct	*-7.51*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0056	SY	GRAVEL II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.72*	
		For >2,200 To 3,500, Deduct	*-6.11*	
		For >3,500, Deduct	*-7.51*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0057	SY	PAVERS II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	55.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.72*	
		For >2,200 To 3,500, Deduct	*-6.11*	
		For >3,500, Deduct	*-7.51*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0058	SY	CONNECT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	56.01	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.78*	
		For >400 To 600, Deduct	*-1.17*	
		For >600 To 900, Deduct	*-2.20*	
		For >900 To 1,500, Deduct	*-3.24*	
		For >1,500 To 2,200, Deduct	*-4.75*	
		For >2,200 To 3,500, Deduct	*-6.15*	
		For >3,500, Deduct	*-7.55*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0059	SY	FIELD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.42	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.12*	
		For >900 To 1,500, Deduct	*-3.13*	
		For >1,500 To 2,200, Deduct	*-4.59*	
		For >2,200 To 3,500, Deduct	*-5.95*	
		For >3,500, Deduct	*-7.31*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0060	SY	BYLINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.85	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.14*	
		For >900 To 1,500, Deduct	*-3.16*	
		For >1,500 To 2,200, Deduct	*-4.63*	
		For >2,200 To 3,500, Deduct	*-6.00*	
		For >3,500, Deduct	*-7.37*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0061	SY	COLOR FORM 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.75*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.13*	
		For >900 To 1,500, Deduct	*-3.14*	
		For >1,500 To 2,200, Deduct	*-4.61*	
		For >2,200 To 3,500, Deduct	*-5.97*	
		For >3,500, Deduct	*-7.34*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0062	SY	LINAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.15*	
		For >900 To 1,500, Deduct	*-3.16*	
		For >1,500 To 2,200, Deduct	*-4.64*	
		For >2,200 To 3,500, Deduct	*-6.01*	
		For >3,500, Deduct	*-7.39*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0063	SY	LINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	54.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.15*	
		For >900 To 1,500, Deduct	*-3.16*	
		For >1,500 To 2,200, Deduct	*-4.64*	
		For >2,200 To 3,500, Deduct	*-6.01*	
		For >3,500, Deduct	*-7.39*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0064	SY	BALANCE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	60.19	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.41*	
		For >900 To 1,500, Deduct	*-3.53*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.67*	
		For >3,500, Deduct	*-8.17*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0065	SY	FOCUS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	60.60	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.43*	
		For >900 To 1,500, Deduct	*-3.56*	
		For >1,500 To 2,200, Deduct	*-5.21*	
		For >2,200 To 3,500, Deduct	*-6.72*	
		For >3,500, Deduct	*-8.24*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0066	SY	WANDER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	58.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0067	SY	EMOTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	59.68	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.28*	
		For >600 To 900, Deduct	*-2.39*	
		For >900 To 1,500, Deduct	*-3.49*	
		For >1,500 To 2,200, Deduct	*-5.11*	
		For >2,200 To 3,500, Deduct	*-6.61*	
		For >3,500, Deduct	*-8.10*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0068	SY	STRAIGHTFORWARD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	60.39	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.30*	
		For >600 To 900, Deduct	*-2.42*	
		For >900 To 1,500, Deduct	*-3.54*	
		For >1,500 To 2,200, Deduct	*-5.18*	
		For >2,200 To 3,500, Deduct	*-6.69*	
		For >3,500, Deduct	*-8.20*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0069 18 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0070	SY	BELONG ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	46.94	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.75*	
		For >900 To 1,500, Deduct	*-2.60*	
		For >1,500 To 2,200, Deduct	*-3.84*	
		For >2,200 To 3,500, Deduct	*-5.01*	
		For >3,500, Deduct	*-6.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0071	SY	EASE 9" X 36" ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile	50.59	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-1.93*	
		For >900 To 1,500, Deduct	*-2.86*	
		For >1,500 To 2,200, Deduct	*-4.20*	
		For >2,200 To 3,500, Deduct	*-5.47*	
		For >3,500, Deduct	*-6.73*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0072	SY	INTERLUDE ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile	50.59	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.67*	
		For >400 To 600, Deduct	*-1.01*	
		For >600 To 900, Deduct	*-1.93*	
		For >900 To 1,500, Deduct	*-2.86*	
		For >1,500 To 2,200, Deduct	*-4.20*	
		For >2,200 To 3,500, Deduct	*-5.47*	
		For >3,500, Deduct	*-6.73*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0073	SY	CHALET 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	51.21	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.96*	
		For >900 To 1,500, Deduct	*-2.90*	
		For >1,500 To 2,200, Deduct	*-4.27*	
		For >2,200 To 3,500, Deduct	*-5.55*	
		For >3,500, Deduct	*-6.83*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0074	SY	ANALOG 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.78	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0075	SY	DISTORT 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.78	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0076	SY	FRINGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.83	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.73*	
		For >2,200 To 3,500, Deduct	*-6.12*	
		For >3,500, Deduct	*-7.52*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0077	SY	GLITCH 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.78	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0078	SY	HAZE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.83	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.73*	
		For >2,200 To 3,500, Deduct	*-6.12*	
		For >3,500, Deduct	*-7.52*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0079	SY	MANIPULATE 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	58.78	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0080	SY	VAPOR ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.83	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.73*	
		For >2,200 To 3,500, Deduct	*-6.12*	
		For >3,500, Deduct	*-7.52*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0081	SY	CONSTRUCT ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.23*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.80*	
		For >2,200 To 3,500, Deduct	*-6.21*	
		For >3,500, Deduct	*-7.62*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0082	SY	COPY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.23*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.80*	
		For >2,200 To 3,500, Deduct	*-6.21*	
		For >3,500, Deduct	*-7.62*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0083	SY	ROTATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.23*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.80*	
		For >2,200 To 3,500, Deduct	*-6.21*	
		For >3,500, Deduct	*-7.62*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0084	SY	ACHROMATIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	56.50	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.23*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.80*	
		For >2,200 To 3,500, Deduct	*-6.21*	
		For >3,500, Deduct	*-7.62*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0085	SY	DUOTONE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.41*	
		For >900 To 1,500, Deduct	*-3.53*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.66*	
		For >3,500, Deduct	*-8.17*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0086	SY	SATURATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.41*	
		For >900 To 1,500, Deduct	*-3.53*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.66*	
		For >3,500, Deduct	*-8.17*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0087	SY	VALUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.41*	
		For >900 To 1,500, Deduct	*-3.53*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.66*	
		For >3,500, Deduct	*-8.17*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0088	SY	KINETIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	63.18	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.92*	
		For >400 To 600, Deduct	*-1.38*	
		For >600 To 900, Deduct	*-2.56*	
		For >900 To 1,500, Deduct	*-3.74*	
		For >1,500 To 2,200, Deduct	*-5.46*	
		For >2,200 To 3,500, Deduct	*-7.04*	
		For >3,500, Deduct	*-8.62*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0089	SY	IGNITE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	63.64	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.58*	
		For >900 To 1,500, Deduct	*-3.77*	
		For >1,500 To 2,200, Deduct	*-5.51*	
		For >2,200 To 3,500, Deduct	*-7.10*	
		For >3,500, Deduct	*-8.69*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0090	SY	MERGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	64.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.63*	
		For >900 To 1,500, Deduct	*-3.84*	
		For >1,500 To 2,200, Deduct	*-5.61*	
		For >2,200 To 3,500, Deduct	*-7.23*	
		For >3,500, Deduct	*-8.84*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0091	SY	MINIMAL ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	64.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.63*	
		For >900 To 1,500, Deduct	*-3.84*	
		For >1,500 To 2,200, Deduct	*-5.61*	
		For >2,200 To 3,500, Deduct	*-7.23*	
		For >3,500, Deduct	*-8.84*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0092	SY	DREAM ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	47.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.77*	
		For >900 To 1,500, Deduct	*-2.63*	
		For >1,500 To 2,200, Deduct	*-3.88*	
		For >2,200 To 3,500, Deduct	*-5.06*	
		For >3,500, Deduct	*-6.24*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0093	SY	MEMORY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	47.55	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.78*	
		For >900 To 1,500, Deduct	*-2.64*	
		For >1,500 To 2,200, Deduct	*-3.90*	
		For >2,200 To 3,500, Deduct	*-5.09*	
		For >3,500, Deduct	*-6.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0094	SY	CAPTIVATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	54.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.13*	
		For >600 To 900, Deduct	*-2.15*	
		For >900 To 1,500, Deduct	*-3.16*	
		For >1,500 To 2,200, Deduct	*-4.63*	
		For >2,200 To 3,500, Deduct	*-6.00*	
		For >3,500, Deduct	*-7.38*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0095	SY	INTRIGUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	55.44	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.15*	
		For >600 To 900, Deduct	*-2.17*	
		For >900 To 1,500, Deduct	*-3.20*	
		For >1,500 To 2,200, Deduct	*-4.69*	
		For >2,200 To 3,500, Deduct	*-6.08*	
		For >3,500, Deduct	*-7.46*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0096	SY	MIRROR IMAGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.41*	
		For >900 To 1,500, Deduct	*-3.53*	
		For >1,500 To 2,200, Deduct	*-5.16*	
		For >2,200 To 3,500, Deduct	*-6.66*	
		For >3,500, Deduct	*-8.17*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0097	SY	PRISMA ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	60.34	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.30*	
		For >600 To 900, Deduct	*-2.42*	
		For >900 To 1,500, Deduct	*-3.54*	
		For >1,500 To 2,200, Deduct	*-5.18*	
		For >2,200 To 3,500, Deduct	*-6.69*	
		For >3,500, Deduct	*-8.20*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0098 20 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0099	SY	AWARE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.43	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.07*	
		For >900 To 1,500, Deduct	*-3.06*	
		For >1,500 To 2,200, Deduct	*-4.49*	
		For >2,200 To 3,500, Deduct	*-5.82*	
		For >3,500, Deduct	*-7.16*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0100	SY	CONSCIOUS 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.55	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.08*	
		For >900 To 1,500, Deduct	*-3.06*	
		For >1,500 To 2,200, Deduct	*-4.50*	
		For >2,200 To 3,500, Deduct	*-5.84*	
		For >3,500, Deduct	*-7.18*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0101	SY	INTENTION 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.21	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.06*	
		For >900 To 1,500, Deduct	*-3.04*	
		For >1,500 To 2,200, Deduct	*-4.47*	
		For >2,200 To 3,500, Deduct	*-5.80*	
		For >3,500, Deduct	*-7.13*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0102	SY	PRESENT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.43	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.07*	
		For >900 To 1,500, Deduct	*-3.06*	
		For >1,500 To 2,200, Deduct	*-4.49*	
		For >2,200 To 3,500, Deduct	*-5.82*	
		For >3,500, Deduct	*-7.16*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0103	SY	MOMENTUM IV ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	50.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.68*	
		For >400 To 600, Deduct	*-1.02*	
		For >600 To 900, Deduct	*-1.95*	
		For >900 To 1,500, Deduct	*-2.88*	
		For >1,500 To 2,200, Deduct	*-4.24*	
		For >2,200 To 3,500, Deduct	*-5.51*	
		For >3,500, Deduct	*-6.79*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0104	SY	GRADIENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	55.77	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900 To 1,500, Deduct	*-3.22*	
		For >1,500 To 2,200, Deduct	*-4.72*	
		For >2,200 To 3,500, Deduct	*-6.12*	
		For >3,500, Deduct	*-7.51*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0105	SY	PETO II 20 ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	53.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.10*	
		For >900 To 1,500, Deduct	*-3.09*	
		For >1,500 To 2,200, Deduct	*-4.53*	
		For >2,200 To 3,500, Deduct	*-5.88*	
		For >3,500, Deduct	*-7.23*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0106	SY	FLAT WEAVE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.35	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.81*	
		For >400 To 600, Deduct	*-1.21*	
		For >600 To 900, Deduct	*-2.27*	
		For >900 To 1,500, Deduct	*-3.33*	
		For >1,500 To 2,200, Deduct	*-4.88*	
		For >2,200 To 3,500, Deduct	*-6.31*	
		For >3,500, Deduct	*-7.75*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0107	SY	HEDDLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	57.35	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.81*	
		For >400 To 600, Deduct	*-1.21*	
		For >600 To 900, Deduct	*-2.27*	
		For >900 To 1,500, Deduct	*-3.33*	
		For >1,500 To 2,200, Deduct	*-4.88*	
		For >2,200 To 3,500, Deduct	*-6.31*	
		For >3,500, Deduct	*-7.75*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0108	SY	CONVENE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.12	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.31*	
		For >900 To 1,500, Deduct	*-3.38*	
		For >1,500 To 2,200, Deduct	*-4.96*	
		For >2,200 To 3,500, Deduct	*-6.41*	
		For >3,500, Deduct	*-7.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0109	SY	ESTABLISH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.12	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.31*	
		For >900 To 1,500, Deduct	*-3.38*	
		For >1,500 To 2,200, Deduct	*-4.96*	
		For >2,200 To 3,500, Deduct	*-6.41*	
		For >3,500, Deduct	*-7.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0110	SY	SUPPORT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.12	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.31*	
		For >900 To 1,500, Deduct	*-3.38*	
		For >1,500 To 2,200, Deduct	*-4.96*	
		For >2,200 To 3,500, Deduct	*-6.41*	
		For >3,500, Deduct	*-7.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0111	SY	AWARE 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.79	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0112	SY	CONSCIOUS 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.43	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.32*	
		For >900 To 1,500, Deduct	*-3.41*	
		For >1,500 To 2,200, Deduct	*-4.99*	
		For >2,200 To 3,500, Deduct	*-6.45*	
		For >3,500, Deduct	*-7.91*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0113	SY	INTENTION 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.59	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.42*	
		For >1,500 To 2,200, Deduct	*-5.00*	
		For >2,200 To 3,500, Deduct	*-6.47*	
		For >3,500, Deduct	*-7.93*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0114	SY	PRESENT 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	58.79	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.34*	
		For >900 To 1,500, Deduct	*-3.43*	
		For >1,500 To 2,200, Deduct	*-5.02*	
		For >2,200 To 3,500, Deduct	*-6.49*	
		For >3,500, Deduct	*-7.96*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0115	SY	DASH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	59.24	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.36*	
		For >900 To 1,500, Deduct	*-3.46*	
		For >1,500 To 2,200, Deduct	*-5.07*	
		For >2,200 To 3,500, Deduct	*-6.55*	
		For >3,500, Deduct	*-8.03*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0116	SY	TRACK ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	59.24	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.36*	
		For >900 To 1,500, Deduct	*-3.46*	
		For >1,500 To 2,200, Deduct	*-5.07*	
		For >2,200 To 3,500, Deduct	*-6.55*	
		For >3,500, Deduct	*-8.03*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0117	SY	TURN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	59.24	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.36*	
		For >900 To 1,500, Deduct	*-3.46*	
		For >1,500 To 2,200, Deduct	*-5.07*	
		For >2,200 To 3,500, Deduct	*-6.55*	
		For >3,500, Deduct	*-8.03*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0118	SY	AUGMENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	56.41	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.22*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.79*	
		For >2,200 To 3,500, Deduct	*-6.20*	
		For >3,500, Deduct	*-7.61*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0119	SY	HYPE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	56.41	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.22*	
		For >900 To 1,500, Deduct	*-3.27*	
		For >1,500 To 2,200, Deduct	*-4.79*	
		For >2,200 To 3,500, Deduct	*-6.20*	
		For >3,500, Deduct	*-7.61*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0120	SY	SCULPT LOOP ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.40	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.30*	
		For >600 To 900, Deduct	*-2.42*	
		For >900 To 1,500, Deduct	*-3.54*	
		For >1,500 To 2,200, Deduct	*-5.19*	
		For >2,200 To 3,500, Deduct	*-6.70*	
		For >3,500, Deduct	*-8.21*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0121	SY	ALIGN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.81	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.44*	
		For >900 To 1,500, Deduct	*-3.57*	
		For >1,500 To 2,200, Deduct	*-5.23*	
		For >2,200 To 3,500, Deduct	*-6.75*	
		For >3,500, Deduct	*-8.27*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0122	SY	SCULPT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.81	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.44*	
		For >900 To 1,500, Deduct	*-3.57*	
		For >1,500 To 2,200, Deduct	*-5.23*	
		For >2,200 To 3,500, Deduct	*-6.75*	
		For >3,500, Deduct	*-8.27*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0123	SY	TRACE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.81	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.44*	
		For >900 To 1,500, Deduct	*-3.57*	
		For >1,500 To 2,200, Deduct	*-5.23*	
		For >2,200 To 3,500, Deduct	*-6.75*	
		For >3,500, Deduct	*-8.27*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0124	SY	ABSORBED ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.95	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.32*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.24*	
		For >2,200 To 3,500, Deduct	*-6.76*	
		For >3,500, Deduct	*-8.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0125	SY	VISIBLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	60.95	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.32*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.24*	
		For >2,200 To 3,500, Deduct	*-6.76*	
		For >3,500, Deduct	*-8.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0126	SY	VIBRANT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	58.12	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.31*	
		For >900 To 1,500, Deduct	*-3.38*	
		For >1,500 To 2,200, Deduct	*-4.96*	
		For >2,200 To 3,500, Deduct	*-6.41*	
		For >3,500, Deduct	*-7.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0127	SY	FINE POINT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.50	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.30*	
		For >2,200 To 3,500, Deduct	*-6.83*	
		For >3,500, Deduct	*-8.37*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0128	SY	LINEWEIGHT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.50	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.30*	
		For >2,200 To 3,500, Deduct	*-6.83*	
		For >3,500, Deduct	*-8.37*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0129	SY	STIPPLE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	61.50	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.30*	
		For >2,200 To 3,500, Deduct	*-6.83*	
		For >3,500, Deduct	*-8.37*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0130 22 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0131	SY	REPARTEE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	55.06	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.15*	
		For >900 To 1,500, Deduct	*-3.17*	
		For >1,500 To 2,200, Deduct	*-4.65*	
		For >2,200 To 3,500, Deduct	*-6.03*	
		For >3,500, Deduct	*-7.40*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0132	SY	ENDLESS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.57	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.42*	
		For >1,500 To 2,200, Deduct	*-5.00*	
		For >2,200 To 3,500, Deduct	*-6.47*	
		For >3,500, Deduct	*-7.93*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0133	SY	OBSERVE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.57	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.42*	
		For >1,500 To 2,200, Deduct	*-5.00*	
		For >2,200 To 3,500, Deduct	*-6.47*	
		For >3,500, Deduct	*-7.93*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0134	SY	RESPOND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.57	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.42*	
		For >1,500 To 2,200, Deduct	*-5.00*	
		For >2,200 To 3,500, Deduct	*-6.47*	
		For >3,500, Deduct	*-7.93*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0135	SY	TRANSFORM ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	58.57	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.42*	
		For >1,500 To 2,200, Deduct	*-5.00*	
		For >2,200 To 3,500, Deduct	*-6.47*	
		For >3,500, Deduct	*-7.93*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0136	SY	CHARISMA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	57.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.21*	
		For >600 To 900, Deduct	*-2.27*	
		For >900 To 1,500, Deduct	*-3.33*	
		For >1,500 To 2,200, Deduct	*-4.88*	
		For >2,200 To 3,500, Deduct	*-6.31*	
		For >3,500, Deduct	*-7.74*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0137	SY	APPLIED ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	60.25	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.41*	
		For >900 To 1,500, Deduct	*-3.53*	
		For >1,500 To 2,200, Deduct	*-5.17*	
		For >2,200 To 3,500, Deduct	*-6.68*	
		For >3,500, Deduct	*-8.18*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0138	SY	DWELLING ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	60.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.23*	
		For >2,200 To 3,500, Deduct	*-6.76*	
		For >3,500, Deduct	*-8.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0139	SY	SHELTER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	60.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.23*	
		For >2,200 To 3,500, Deduct	*-6.76*	
		For >3,500, Deduct	*-8.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0140	SY	EMBELLISH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	64.01	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.94*	
		For >400 To 600, Deduct	*-1.41*	
		For >600 To 900, Deduct	*-2.60*	
		For >900 To 1,500, Deduct	*-3.80*	
		For >1,500 To 2,200, Deduct	*-5.55*	
		For >2,200 To 3,500, Deduct	*-7.15*	
		For >3,500, Deduct	*-8.75*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0141	SY	BIAS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.30*	
		For >2,200 To 3,500, Deduct	*-6.84*	
		For >3,500, Deduct	*-8.37*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0142	SY	KASURI ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.30*	
		For >2,200 To 3,500, Deduct	*-6.84*	
		For >3,500, Deduct	*-8.37*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0143	SY	MESH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	61.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.48*	
		For >900 To 1,500, Deduct	*-3.62*	
		For >1,500 To 2,200, Deduct	*-5.30*	
		For >2,200 To 3,500, Deduct	*-6.84*	
		For >3,500, Deduct	*-8.37*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0144	SY	ACTIVITY ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	60.91	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.24*	
		For >2,200 To 3,500, Deduct	*-6.76*	
		For >3,500, Deduct	*-8.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0145	SY	REST ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	65.63	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.68*	
		For >900 To 1,500, Deduct	*-3.91*	
		For >1,500 To 2,200, Deduct	*-5.71*	
		For >2,200 To 3,500, Deduct	*-7.35*	
		For >3,500, Deduct	*-8.99*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0146	SY	UNWIND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	65.63	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.68*	
		For >900 To 1,500, Deduct	*-3.91*	
		For >1,500 To 2,200, Deduct	*-5.71*	
		For >2,200 To 3,500, Deduct	*-7.35*	
		For >3,500, Deduct	*-8.99*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0147	SY	INTERACT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	65.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.93*	
		For >1,500 To 2,200, Deduct	*-5.73*	
		For >2,200 To 3,500, Deduct	*-7.38*	
		For >3,500, Deduct	*-9.03*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0148	SY	PAUSE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	66.24	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.71*	
		For >900 To 1,500, Deduct	*-3.95*	
		For >1,500 To 2,200, Deduct	*-5.77*	
		For >2,200 To 3,500, Deduct	*-7.43*	
		For >3,500, Deduct	*-9.08*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0149	SY	VANTAGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	66.24	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.71*	
		For >900 To 1,500, Deduct	*-3.95*	
		For >1,500 To 2,200, Deduct	*-5.77*	
		For >2,200 To 3,500, Deduct	*-7.43*	
		For >3,500, Deduct	*-9.08*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0150	SY	DRIFT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	67.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.80*	
		For >900 To 1,500, Deduct	*-4.07*	
		For >1,500 To 2,200, Deduct	*-5.93*	
		For >2,200 To 3,500, Deduct	*-7.63*	
		For >3,500, Deduct	*-9.33*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0151	SY	EXPAND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	67.63	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.78*	
		For >900 To 1,500, Deduct	*-4.05*	
		For >1,500 To 2,200, Deduct	*-5.91*	
		For >2,200 To 3,500, Deduct	*-7.60*	
		For >3,500, Deduct	*-9.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0152	SY	AGATE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	68.71	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.84*	
		For >900 To 1,500, Deduct	*-4.13*	
		For >1,500 To 2,200, Deduct	*-6.02*	
		For >2,200 To 3,500, Deduct	*-7.73*	
		For >3,500, Deduct	*-9.45*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0153	SY	JASPER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	68.71	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.84*	
		For >900 To 1,500, Deduct	*-4.13*	
		For >1,500 To 2,200, Deduct	*-6.02*	
		For >2,200 To 3,500, Deduct	*-7.73*	
		For >3,500, Deduct	*-9.45*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0154	SY	MICA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	68.71	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.84*	
		For >900 To 1,500, Deduct	*-4.13*	
		For >1,500 To 2,200, Deduct	*-6.02*	
		For >2,200 To 3,500, Deduct	*-7.73*	
		For >3,500, Deduct	*-9.45*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0155	SY	QUARTZ ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	68.71	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.84*	
		For >900 To 1,500, Deduct	*-4.13*	
		For >1,500 To 2,200, Deduct	*-6.02*	
		For >2,200 To 3,500, Deduct	*-7.73*	
		For >3,500, Deduct	*-9.45*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0156	SY	VERTICAL EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	70.82	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.07*	
		For >400 To 600, Deduct	*-1.61*	
		For >600 To 900, Deduct	*-2.94*	
		For >900 To 1,500, Deduct	*-4.27*	
		For >1,500 To 2,200, Deduct	*-6.23*	
		For >2,200 To 3,500, Deduct	*-8.00*	
		For >3,500, Deduct	*-9.77*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0157 24 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0158	SY	CONSTELLATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	58.49	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.33*	
		For >900 To 1,500, Deduct	*-3.41*	
		For >1,500 To 2,200, Deduct	*-4.99*	
		For >2,200 To 3,500, Deduct	*-6.46*	
		For >3,500, Deduct	*-7.92*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0159	SY	OBSERVE COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	62.83	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.37*	
		For >600 To 900, Deduct	*-2.54*	
		For >900 To 1,500, Deduct	*-3.71*	
		For >1,500 To 2,200, Deduct	*-5.43*	
		For >2,200 To 3,500, Deduct	*-7.00*	
		For >3,500, Deduct	*-8.57*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0160	SY	RESPOND COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	62.83	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.37*	
		For >600 To 900, Deduct	*-2.54*	
		For >900 To 1,500, Deduct	*-3.71*	
		For >1,500 To 2,200, Deduct	*-5.43*	
		For >2,200 To 3,500, Deduct	*-7.00*	
		For >3,500, Deduct	*-8.57*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0161	SY	TRANSFORM COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	62.83	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.37*	
		For >600 To 900, Deduct	*-2.54*	
		For >900 To 1,500, Deduct	*-3.71*	
		For >1,500 To 2,200, Deduct	*-5.43*	
		For >2,200 To 3,500, Deduct	*-7.00*	
		For >3,500, Deduct	*-8.57*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0162	SY	FOUNDATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	63.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.92*	
		For >400 To 600, Deduct	*-1.38*	
		For >600 To 900, Deduct	*-2.56*	
		For >900 To 1,500, Deduct	*-3.74*	
		For >1,500 To 2,200, Deduct	*-5.46*	
		For >2,200 To 3,500, Deduct	*-7.04*	
		For >3,500, Deduct	*-8.62*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0163	SY	BLOX ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	59.74	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.28*	
		For >600 To 900, Deduct	*-2.39*	
		For >900 To 1,500, Deduct	*-3.50*	
		For >1,500 To 2,200, Deduct	*-5.12*	
		For >2,200 To 3,500, Deduct	*-6.61*	
		For >3,500, Deduct	*-8.11*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0164	SY	KUSA ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	62.97	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.92*	
		For >400 To 600, Deduct	*-1.38*	
		For >600 To 900, Deduct	*-2.55*	
		For >900 To 1,500, Deduct	*-3.72*	
		For >1,500 To 2,200, Deduct	*-5.44*	
		For >2,200 To 3,500, Deduct	*-7.02*	
		For >3,500, Deduct	*-8.59*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0165	SY	BLOCK PRINT ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.33	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.51*	
		For >600 To 900, Deduct	*-2.77*	
		For >900 To 1,500, Deduct	*-4.03*	
		For >1,500 To 2,200, Deduct	*-5.88*	
		For >2,200 To 3,500, Deduct	*-7.56*	
		For >3,500, Deduct	*-9.25*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0166	SY	FADE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	66.98	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.84*	
		For >2,200 To 3,500, Deduct	*-7.52*	
		For >3,500, Deduct	*-9.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0167	SY	OVERLAY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	66.98	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.84*	
		For >2,200 To 3,500, Deduct	*-7.52*	
		For >3,500, Deduct	*-9.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0168	SY	BLUR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	66.98	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.84*	
		For >2,200 To 3,500, Deduct	*-7.52*	
		For >3,500, Deduct	*-9.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0169	SY	EXPOSE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.76*	
		For >900 To 1,500, Deduct	*-4.02*	
		For >1,500 To 2,200, Deduct	*-5.86*	
		For >2,200 To 3,500, Deduct	*-7.54*	
		For >3,500, Deduct	*-9.22*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0170	SY	UNCOVER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.76*	
		For >900 To 1,500, Deduct	*-4.02*	
		For >1,500 To 2,200, Deduct	*-5.86*	
		For >2,200 To 3,500, Deduct	*-7.54*	
		For >3,500, Deduct	*-9.22*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0171	SY	EXPLORE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.78*	
		For >900 To 1,500, Deduct	*-4.05*	
		For >1,500 To 2,200, Deduct	*-5.91*	
		For >2,200 To 3,500, Deduct	*-7.60*	
		For >3,500, Deduct	*-9.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0172	SY	LINGER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.80*	
		For >900 To 1,500, Deduct	*-4.07*	
		For >1,500 To 2,200, Deduct	*-5.93*	
		For >2,200 To 3,500, Deduct	*-7.63*	
		For >3,500, Deduct	*-9.33*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0173	SY	RENEW ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	67.66	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.78*	
		For >900 To 1,500, Deduct	*-4.05*	
		For >1,500 To 2,200, Deduct	*-5.91*	
		For >2,200 To 3,500, Deduct	*-7.60*	
		For >3,500, Deduct	*-9.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0174	SY	FOLDED ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	72.22	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-3.01*	
		For >900 To 1,500, Deduct	*-4.37*	
		For >1,500 To 2,200, Deduct	*-6.37*	
		For >2,200 To 3,500, Deduct	*-8.17*	
		For >3,500, Deduct	*-9.98*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0175	SY	FOLDED EDGE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	71.94	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-3.00*	
		For >900 To 1,500, Deduct	*-4.35*	
		For >1,500 To 2,200, Deduct	*-6.34*	
		For >2,200 To 3,500, Deduct	*-8.14*	
		For >3,500, Deduct	*-9.94*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0176	SY	IDENTITY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	77.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.20*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.88*	
		For >2,200 To 3,500, Deduct	*-8.81*	
		For >3,500, Deduct	*-10.74*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0177 26 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0178	SY	PETO II 26 ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	58.91	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.35*	
		For >900 To 1,500, Deduct	*-3.44*	
		For >1,500 To 2,200, Deduct	*-5.04*	
		For >2,200 To 3,500, Deduct	*-6.51*	
		For >3,500, Deduct	*-7.98*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0179	SY	BRILLIANCE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	62.81	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.37*	
		For >600 To 900, Deduct	*-2.54*	
		For >900 To 1,500, Deduct	*-3.71*	
		For >1,500 To 2,200, Deduct	*-5.43*	
		For >2,200 To 3,500, Deduct	*-7.00*	
		For >3,500, Deduct	*-8.57*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0180	SY	IMPRINT ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.33	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.72*	
		For >900 To 1,500, Deduct	*-3.96*	
		For >1,500 To 2,200, Deduct	*-5.78*	
		For >2,200 To 3,500, Deduct	*-7.44*	
		For >3,500, Deduct	*-9.10*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0181	SY	SKETCH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.47	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.73*	
		For >900 To 1,500, Deduct	*-3.97*	
		For >1,500 To 2,200, Deduct	*-5.79*	
		For >2,200 To 3,500, Deduct	*-7.45*	
		For >3,500, Deduct	*-9.12*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0182	SY	VEIL ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.47	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.73*	
		For >900 To 1,500, Deduct	*-3.97*	
		For >1,500 To 2,200, Deduct	*-5.79*	
		For >2,200 To 3,500, Deduct	*-7.45*	
		For >3,500, Deduct	*-9.12*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0183	SY	DISCOVER ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.06	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.94*	
		For >1,500 To 2,200, Deduct	*-5.75*	
		For >2,200 To 3,500, Deduct	*-7.40*	
		For >3,500, Deduct	*-9.05*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0184	SY	SEEK ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	66.06	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.94*	
		For >1,500 To 2,200, Deduct	*-5.75*	
		For >2,200 To 3,500, Deduct	*-7.40*	
		For >3,500, Deduct	*-9.05*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0185	SY	BOTAN ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	64.78	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.64*	
		For >900 To 1,500, Deduct	*-3.85*	
		For >1,500 To 2,200, Deduct	*-5.62*	
		For >2,200 To 3,500, Deduct	*-7.24*	
		For >3,500, Deduct	*-8.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0186	SY	HANA ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	64.78	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.64*	
		For >900 To 1,500, Deduct	*-3.85*	
		For >1,500 To 2,200, Deduct	*-5.62*	
		For >2,200 To 3,500, Deduct	*-7.24*	
		For >3,500, Deduct	*-8.86*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0187	SY	RELIEF ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	67.15	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.76*	
		For >900 To 1,500, Deduct	*-4.02*	
		For >1,500 To 2,200, Deduct	*-5.86*	
		For >2,200 To 3,500, Deduct	*-7.54*	
		For >3,500, Deduct	*-9.22*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0188	SY	DEPTH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	75.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.75*	
		For >600 To 900, Deduct	*-3.18*	
		For >900 To 1,500, Deduct	*-4.60*	
		For >1,500 To 2,200, Deduct	*-6.70*	
		For >2,200 To 3,500, Deduct	*-8.59*	
		For >3,500, Deduct	*-10.47*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0189	SY	ANGLE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	76.23	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400 To 600, Deduct	*-1.77*	
		For >600 To 900, Deduct	*-3.21*	
		For >900 To 1,500, Deduct	*-4.65*	
		For >1,500 To 2,200, Deduct	*-6.77*	
		For >2,200 To 3,500, Deduct	*-8.67*	
		For >3,500, Deduct	*-10.58*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0190	SY	HONEST ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	77.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.20*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.88*	
		For >2,200 To 3,500, Deduct	*-8.81*	
		For >3,500, Deduct	*-10.74*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0191	SY	SLAB ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	77.73	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.82*	
		For >600 To 900, Deduct	*-3.29*	
		For >900 To 1,500, Deduct	*-4.76*	
		For >1,500 To 2,200, Deduct	*-6.92*	
		For >2,200 To 3,500, Deduct	*-8.86*	
		For >3,500, Deduct	*-10.81*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0192	SY	BASE HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	78.77	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.85*	
		For >600 To 900, Deduct	*-3.34*	
		For >900 To 1,500, Deduct	*-4.83*	
		For >1,500 To 2,200, Deduct	*-7.02*	
		For >2,200 To 3,500, Deduct	*-8.99*	
		For >3,500, Deduct	*-10.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0193	SY	COLOR SHIFT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	78.77	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.85*	
		For >600 To 900, Deduct	*-3.34*	
		For >900 To 1,500, Deduct	*-4.83*	
		For >1,500 To 2,200, Deduct	*-7.02*	
		For >2,200 To 3,500, Deduct	*-8.99*	
		For >3,500, Deduct	*-10.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0194	SY	CONTACT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	78.77	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.23*	
		For >400 To 600, Deduct	*-1.85*	
		For >600 To 900, Deduct	*-3.34*	
		For >900 To 1,500, Deduct	*-4.83*	
		For >1,500 To 2,200, Deduct	*-7.02*	
		For >2,200 To 3,500, Deduct	*-8.99*	
		For >3,500, Deduct	*-10.96*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0195	SY	BEVEL HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	90.40	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.47*	
		For >400 To 600, Deduct	*-2.20*	
		For >600 To 900, Deduct	*-3.92*	
		For >900 To 1,500, Deduct	*-5.64*	
		For >1,500 To 2,200, Deduct	*-8.19*	
		For >2,200 To 3,500, Deduct	*-10.45*	
		For >3,500, Deduct	*-12.71*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0196 28 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0197	SY	RICHE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	65.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.70*	
		For >900 To 1,500, Deduct	*-3.93*	
		For >1,500 To 2,200, Deduct	*-5.74*	
		For >2,200 To 3,500, Deduct	*-7.39*	
		For >3,500, Deduct	*-9.04*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0198	SY	CORDED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	66.58	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.73*	
		For >900 To 1,500, Deduct	*-3.98*	
		For >1,500 To 2,200, Deduct	*-5.80*	
		For >2,200 To 3,500, Deduct	*-7.47*	
		For >3,500, Deduct	*-9.13*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0199	SY	PATH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	72.10	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-3.01*	
		For >900 To 1,500, Deduct	*-4.36*	
		For >1,500 To 2,200, Deduct	*-6.36*	
		For >2,200 To 3,500, Deduct	*-8.16*	
		For >3,500, Deduct	*-9.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0200	SY	PORTAL ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	72.10	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-3.01*	
		For >900 To 1,500, Deduct	*-4.36*	
		For >1,500 To 2,200, Deduct	*-6.36*	
		For >2,200 To 3,500, Deduct	*-8.16*	
		For >3,500, Deduct	*-9.96*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0201	SY	KNIT ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	71.59	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.09*	
		For >400 To 600, Deduct	*-1.64*	
		For >600 To 900, Deduct	*-2.98*	
		For >900 To 1,500, Deduct	*-4.33*	
		For >1,500 To 2,200, Deduct	*-6.30*	
		For >2,200 To 3,500, Deduct	*-8.09*	
		For >3,500, Deduct	*-9.88*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0202	SY	DECOR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	72.42	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.11*	
		For >400 To 600, Deduct	*-1.66*	
		For >600 To 900, Deduct	*-3.02*	
		For >900 To 1,500, Deduct	*-4.39*	
		For >1,500 To 2,200, Deduct	*-6.39*	
		For >2,200 To 3,500, Deduct	*-8.20*	
		For >3,500, Deduct	*-10.01*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0203	SY	CHAIN STITCH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	68.44	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 900, Deduct	*-2.82*	
		For >900 To 1,500, Deduct	*-4.11*	
		For >1,500 To 2,200, Deduct	*-5.99*	
		For >2,200 To 3,500, Deduct	*-7.70*	
		For >3,500, Deduct	*-9.41*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0204	SY	AFFLUENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	72.42	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.11*	
		For >400 To 600, Deduct	*-1.66*	
		For >600 To 900, Deduct	*-3.02*	
		For >900 To 1,500, Deduct	*-4.39*	
		For >1,500 To 2,200, Deduct	*-6.39*	
		For >2,200 To 3,500, Deduct	*-8.20*	
		For >3,500, Deduct	*-10.01*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0205	SY	BACK WEAVE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.13*	
		For >400 To 600, Deduct	*-1.70*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.47*	
		For >1,500 To 2,200, Deduct	*-6.51*	
		For >2,200 To 3,500, Deduct	*-8.35*	
		For >3,500, Deduct	*-10.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0206	SY	EXCHANGE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.13*	
		For >400 To 600, Deduct	*-1.70*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.47*	
		For >1,500 To 2,200, Deduct	*-6.51*	
		For >2,200 To 3,500, Deduct	*-8.35*	
		For >3,500, Deduct	*-10.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0207	SY	KNOTTED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.13*	
		For >400 To 600, Deduct	*-1.70*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.47*	
		For >1,500 To 2,200, Deduct	*-6.51*	
		For >2,200 To 3,500, Deduct	*-8.35*	
		For >3,500, Deduct	*-10.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0208	SY	PROCESS ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	73.61	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.13*	
		For >400 To 600, Deduct	*-1.70*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.47*	
		For >1,500 To 2,200, Deduct	*-6.51*	
		For >2,200 To 3,500, Deduct	*-8.35*	
		For >3,500, Deduct	*-10.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0209	SY	CHECK ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	76.03	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400 To 600, Deduct	*-1.77*	
		For >600 To 900, Deduct	*-3.20*	
		For >900 To 1,500, Deduct	*-4.64*	
		For >1,500 To 2,200, Deduct	*-6.75*	
		For >2,200 To 3,500, Deduct	*-8.65*	
		For >3,500, Deduct	*-10.55*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0210	SY	HOUNDSTOOTH 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	76.03	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400 To 600, Deduct	*-1.77*	
		For >600 To 900, Deduct	*-3.20*	
		For >900 To 1,500, Deduct	*-4.64*	
		For >1,500 To 2,200, Deduct	*-6.75*	
		For >2,200 To 3,500, Deduct	*-8.65*	
		For >3,500, Deduct	*-10.55*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0211	SY	JACQUARD 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	76.03	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400 To 600, Deduct	*-1.77*	
		For >600 To 900, Deduct	*-3.20*	
		For >900 To 1,500, Deduct	*-4.64*	
		For >1,500 To 2,200, Deduct	*-6.75*	
		For >2,200 To 3,500, Deduct	*-8.65*	
		For >3,500, Deduct	*-10.55*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0212	SY	TEX28 Ounce, Patterned, Nylon Carpet Tile 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	76.03	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400 To 600, Deduct	*-1.77*	
		For >600 To 900, Deduct	*-3.20*	
		For >900 To 1,500, Deduct	*-4.64*	
		For >1,500 To 2,200, Deduct	*-6.75*	
		For >2,200 To 3,500, Deduct	*-8.65*	
		For >3,500, Deduct	*-10.55*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0213	SY	BATIK 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.35	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.88*	
		For >2,200 To 3,500, Deduct	*-8.81*	
		For >3,500, Deduct	*-10.75*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0214	SY	IKAT 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.73	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.82*	
		For >600 To 900, Deduct	*-3.29*	
		For >900 To 1,500, Deduct	*-4.76*	
		For >1,500 To 2,200, Deduct	*-6.92*	
		For >2,200 To 3,500, Deduct	*-8.86*	
		For >3,500, Deduct	*-10.81*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0215	SY	LINEN 28 Ounce, Patterned, Nylon Carpet Tile ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.73	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.82*	
		For >600 To 900, Deduct	*-3.29*	
		For >900 To 1,500, Deduct	*-4.76*	
		For >1,500 To 2,200, Deduct	*-6.92*	
		For >2,200 To 3,500, Deduct	*-8.86*	
		For >3,500, Deduct	*-10.81*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0216	SY	PRESENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	80.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.92*	
		For >600 To 900, Deduct	*-3.45*	
		For >900 To 1,500, Deduct	*-4.98*	
		For >1,500 To 2,200, Deduct	*-7.24*	
		For >2,200 To 3,500, Deduct	*-9.26*	
		For >3,500, Deduct	*-11.29*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0217	SY	STILL LIFE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	80.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.92*	
		For >600 To 900, Deduct	*-3.45*	
		For >900 To 1,500, Deduct	*-4.98*	
		For >1,500 To 2,200, Deduct	*-7.24*	
		For >2,200 To 3,500, Deduct	*-9.26*	
		For >3,500, Deduct	*-11.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0218	SY	FAMILIAR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.20*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.88*	
		For >2,200 To 3,500, Deduct	*-8.81*	
		For >3,500, Deduct	*-10.74*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0219	SY	HONED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	77.73	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.82*	
		For >600 To 900, Deduct	*-3.29*	
		For >900 To 1,500, Deduct	*-4.76*	
		For >1,500 To 2,200, Deduct	*-6.92*	
		For >2,200 To 3,500, Deduct	*-8.86*	
		For >3,500, Deduct	*-10.81*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0220	SY	FORM ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	84.65	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.35*	
		For >400 To 600, Deduct	*-2.03*	
		For >600 To 900, Deduct	*-3.63*	
		For >900 To 1,500, Deduct	*-5.24*	
		For >1,500 To 2,200, Deduct	*-7.61*	
		For >2,200 To 3,500, Deduct	*-9.73*	
		For >3,500, Deduct	*-11.84*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0221 30 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0222	SY	GLITZ ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	67.04	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.75*	
		For >900 To 1,500, Deduct	*-4.01*	
		For >1,500 To 2,200, Deduct	*-5.85*	
		For >2,200 To 3,500, Deduct	*-7.53*	
		For >3,500, Deduct	*-9.20*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0223	SY	LUMINOSITY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	68.11	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.53*	
		For >600 To 900, Deduct	*-2.81*	
		For >900 To 1,500, Deduct	*-4.08*	
		For >1,500 To 2,200, Deduct	*-5.96*	
		For >2,200 To 3,500, Deduct	*-7.66*	
		For >3,500, Deduct	*-9.36*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0224	SY	RADIANCE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	65.14	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.44*	
		For >600 To 900, Deduct	*-2.66*	
		For >900 To 1,500, Deduct	*-3.88*	
		For >1,500 To 2,200, Deduct	*-5.66*	
		For >2,200 To 3,500, Deduct	*-7.29*	
		For >3,500, Deduct	*-8.92*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0225	SY	TAPESTRY 18" X 36" ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	77.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.28*	
		For >900 To 1,500, Deduct	*-4.74*	
		For >1,500 To 2,200, Deduct	*-6.90*	
		For >2,200 To 3,500, Deduct	*-8.84*	
		For >3,500, Deduct	*-10.77*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0226	SY	BEYOND ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	84.35	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.35*	
		For >400 To 600, Deduct	*-2.02*	
		For >600 To 900, Deduct	*-3.62*	
		For >900 To 1,500, Deduct	*-5.22*	
		For >1,500 To 2,200, Deduct	*-7.58*	
		For >2,200 To 3,500, Deduct	*-9.69*	
		For >3,500, Deduct	*-11.80*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0227	SY	EXPANSE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	84.35	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.35*	
		For >400 To 600, Deduct	*-2.02*	
		For >600 To 900, Deduct	*-3.62*	
		For >900 To 1,500, Deduct	*-5.22*	
		For >1,500 To 2,200, Deduct	*-7.58*	
		For >2,200 To 3,500, Deduct	*-9.69*	
		For >3,500, Deduct	*-11.80*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0228	SY	ALCHEMY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	84.65	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.35*	
		For >400 To 600, Deduct	*-2.03*	
		For >600 To 900, Deduct	*-3.63*	
		For >900 To 1,500, Deduct	*-5.24*	
		For >1,500 To 2,200, Deduct	*-7.61*	
		For >2,200 To 3,500, Deduct	*-9.73*	
		For >3,500, Deduct	*-11.84*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0229	SY	CREATE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	86.14	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.38*	
		For >400 To 600, Deduct	*-2.07*	
		For >600 To 900, Deduct	*-3.71*	
		For >900 To 1,500, Deduct	*-5.35*	
		For >1,500 To 2,200, Deduct	*-7.76*	
		For >2,200 To 3,500, Deduct	*-9.91*	
		For >3,500, Deduct	*-12.07*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0230 32 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0231	SY	ENTWINE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	69.25	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.04*	
		For >400 To 600, Deduct	*-1.56*	
		For >600 To 900, Deduct	*-2.86*	
		For >900 To 1,500, Deduct	*-4.16*	
		For >1,500 To 2,200, Deduct	*-6.07*	
		For >2,200 To 3,500, Deduct	*-7.80*	
		For >3,500, Deduct	*-9.53*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0232	SY	INGRAIN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	69.93	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.06*	
		For >400 To 600, Deduct	*-1.59*	
		For >600 To 900, Deduct	*-2.90*	
		For >900 To 1,500, Deduct	*-4.21*	
		For >1,500 To 2,200, Deduct	*-6.14*	
		For >2,200 To 3,500, Deduct	*-7.89*	
		For >3,500, Deduct	*-9.64*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0233	SY	EARTH TONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	70.79	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.07*	
		For >400 To 600, Deduct	*-1.61*	
		For >600 To 900, Deduct	*-2.94*	
		For >900 To 1,500, Deduct	*-4.27*	
		For >1,500 To 2,200, Deduct	*-6.22*	
		For >2,200 To 3,500, Deduct	*-7.99*	
		For >3,500, Deduct	*-9.76*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0234	SY	REFLECT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	91.36	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.49*	
		For >400 To 600, Deduct	*-2.23*	
		For >600 To 900, Deduct	*-3.97*	
		For >900 To 1,500, Deduct	*-5.71*	
		For >1,500 To 2,200, Deduct	*-8.28*	
		For >2,200 To 3,500, Deduct	*-10.57*	
		For >3,500, Deduct	*-12.85*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0235	SY	RESURFACE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	74.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.14*	
		For >400 To 600, Deduct	*-1.72*	
		For >600 To 900, Deduct	*-3.12*	
		For >900 To 1,500, Deduct	*-4.52*	
		For >1,500 To 2,200, Deduct	*-6.58*	
		For >2,200 To 3,500, Deduct	*-8.43*	
		For >3,500, Deduct	*-10.29*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0236	SY	BLEND ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.26*	
		For >400 To 600, Deduct	*-1.90*	
		For >600 To 900, Deduct	*-3.42*	
		For >900 To 1,500, Deduct	*-4.94*	
		For >1,500 To 2,200, Deduct	*-7.18*	
		For >2,200 To 3,500, Deduct	*-9.18*	
		For >3,500, Deduct	*-11.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0237	SY	HINT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.26*	
		For >400 To 600, Deduct	*-1.90*	
		For >600 To 900, Deduct	*-3.42*	
		For >900 To 1,500, Deduct	*-4.94*	
		For >1,500 To 2,200, Deduct	*-7.18*	
		For >2,200 To 3,500, Deduct	*-9.18*	
		For >3,500, Deduct	*-11.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0238	SY	ORNATE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.91*	
		For >600 To 900, Deduct	*-3.45*	
		For >900 To 1,500, Deduct	*-4.98*	
		For >1,500 To 2,200, Deduct	*-7.23*	
		For >2,200 To 3,500, Deduct	*-9.25*	
		For >3,500, Deduct	*-11.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0239	SY	RETHREAD ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.91*	
		For >600 To 900, Deduct	*-3.45*	
		For >900 To 1,500, Deduct	*-4.98*	
		For >1,500 To 2,200, Deduct	*-7.23*	
		For >2,200 To 3,500, Deduct	*-9.25*	
		For >3,500, Deduct	*-11.28*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0240	SY	TECHNIQUE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.26*	
		For >400 To 600, Deduct	*-1.90*	
		For >600 To 900, Deduct	*-3.42*	
		For >900 To 1,500, Deduct	*-4.94*	
		For >1,500 To 2,200, Deduct	*-7.18*	
		For >2,200 To 3,500, Deduct	*-9.18*	
		For >3,500, Deduct	*-11.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0241	SY	VANISH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	80.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.26*	
		For >400 To 600, Deduct	*-1.90*	
		For >600 To 900, Deduct	*-3.42*	
		For >900 To 1,500, Deduct	*-4.94*	
		For >1,500 To 2,200, Deduct	*-7.18*	
		For >2,200 To 3,500, Deduct	*-9.18*	
		For >3,500, Deduct	*-11.19*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0242	SY	ZONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	78.19	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.22*	
		For >400 To 600, Deduct	*-1.83*	
		For >600 To 900, Deduct	*-3.31*	
		For >900 To 1,500, Deduct	*-4.79*	
		For >1,500 To 2,200, Deduct	*-6.96*	
		For >2,200 To 3,500, Deduct	*-8.92*	
		For >3,500, Deduct	*-10.87*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0243	SY	DYE LAB ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	88.59	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400 To 600, Deduct	*-2.15*	
		For >600 To 900, Deduct	*-3.83*	
		For >900 To 1,500, Deduct	*-5.52*	
		For >1,500 To 2,200, Deduct	*-8.00*	
		For >2,200 To 3,500, Deduct	*-10.22*	
		For >3,500, Deduct	*-12.43*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0244	SY	KIT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	95.56	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.57*	
		For >400 To 600, Deduct	*-2.35*	
		For >600 To 900, Deduct	*-4.18*	
		For >900 To 1,500, Deduct	*-6.01*	
		For >1,500 To 2,200, Deduct	*-8.70*	
		For >2,200 To 3,500, Deduct	*-11.09*	
		For >3,500, Deduct	*-13.48*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0245	SY	ARTISAN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	97.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.62*	
		For >400 To 600, Deduct	*-2.42*	
		For >600 To 900, Deduct	*-4.30*	
		For >900 To 1,500, Deduct	*-6.17*	
		For >1,500 To 2,200, Deduct	*-8.93*	
		For >2,200 To 3,500, Deduct	*-11.38*	
		For >3,500, Deduct	*-13.83*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0246	SY	CLOTH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	98.96	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.64*	
		For >400 To 600, Deduct	*-2.46*	
		For >600 To 900, Deduct	*-4.35*	
		For >900 To 1,500, Deduct	*-6.24*	
		For >1,500 To 2,200, Deduct	*-9.04*	
		For >2,200 To 3,500, Deduct	*-11.52*	
		For >3,500, Deduct	*-13.99*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0247	SY	PLAIN WEAVE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	92.44	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.51*	
		For >400 To 600, Deduct	*-2.26*	
		For >600 To 900, Deduct	*-4.02*	
		For >900 To 1,500, Deduct	*-5.79*	
		For >1,500 To 2,200, Deduct	*-8.39*	
		For >2,200 To 3,500, Deduct	*-10.70*	
		For >3,500, Deduct	*-13.01*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0248	SY	ENTREE ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	77.37	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.88*	
		For >2,200 To 3,500, Deduct	*-8.82*	
		For >3,500, Deduct	*-10.75*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0249	SY	WELCOME II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	75.57	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.75*	
		For >600 To 900, Deduct	*-3.18*	
		For >900 To 1,500, Deduct	*-4.61*	
		For >1,500 To 2,200, Deduct	*-6.70*	
		For >2,200 To 3,500, Deduct	*-8.59*	
		For >3,500, Deduct	*-10.48*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0250	SY	BON JOUR II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	77.37	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.21*	
		For >400 To 600, Deduct	*-1.81*	
		For >600 To 900, Deduct	*-3.27*	
		For >900 To 1,500, Deduct	*-4.73*	
		For >1,500 To 2,200, Deduct	*-6.88*	
		For >2,200 To 3,500, Deduct	*-8.82*	
		For >3,500, Deduct	*-10.75*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0251 Non-Patterned Carpet Tiles (Shaw) *(09 68 13 00-0001)*

09 68 13 00-0252 18 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0251)*

09 68 13 00-0253	SY	COLOR FRAME ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile	55.03	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.76*	
		For >400 To 600, Deduct	*-1.14*	
		For >600 To 900, Deduct	*-2.15*	
		For >900 To 1,500, Deduct	*-3.17*	
		For >1,500 To 2,200, Deduct	*-4.65*	
		For >2,200 To 3,500, Deduct	*-6.02*	
		For >3,500, Deduct	*-7.40*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0254	SY	COLOR PLAY ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile	62.53	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.36*	
		For >600 To 900, Deduct	*-2.53*	
		For >900 To 1,500, Deduct	*-3.69*	
		For >1,500 To 2,200, Deduct	*-5.40*	
		For >2,200 To 3,500, Deduct	*-6.96*	
		For >3,500, Deduct	*-8.53*	
		For Cushioned Backed Tile, Add	*4.89*	

09 68 13 00-0255 20 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0251)*

09 68 13 00-0256	SY	CURVE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.35*	
		For >900 To 1,500, Deduct	*-3.44*	
		For >1,500 To 2,200, Deduct	*-5.03*	
		For >2,200 To 3,500, Deduct	*-6.50*	
		For >3,500, Deduct	*-7.98*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0257	SY	DIAGONAL ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.35*	
		For >900 To 1,500, Deduct	*-3.44*	
		For >1,500 To 2,200, Deduct	*-5.03*	
		For >2,200 To 3,500, Deduct	*-6.50*	
		For >3,500, Deduct	*-7.98*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0258	SY	POINT ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.35*	
		For >900 To 1,500, Deduct	*-3.44*	
		For >1,500 To 2,200, Deduct	*-5.03*	
		For >2,200 To 3,500, Deduct	*-6.50*	
		For >3,500, Deduct	*-7.98*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0259	SY	SQUARE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	58.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.25*	
		For >600 To 900, Deduct	*-2.35*	
		For >900 To 1,500, Deduct	*-3.44*	
		For >1,500 To 2,200, Deduct	*-5.03*	
		For >2,200 To 3,500, Deduct	*-6.50*	
		For >3,500, Deduct	*-7.98*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0260	SY	ADVANCE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	59.24	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.36*	
		For >900 To 1,500, Deduct	*-3.46*	
		For >1,500 To 2,200, Deduct	*-5.07*	
		For >2,200 To 3,500, Deduct	*-6.55*	
		For >3,500, Deduct	*-8.03*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0261	SY	IMPRESSION I ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	64.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.86*	
		For >1,500 To 2,200, Deduct	*-5.63*	
		For >2,200 To 3,500, Deduct	*-7.25*	
		For >3,500, Deduct	*-8.88*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0262	SY	IMPRESSION II ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	64.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.86*	
		For >1,500 To 2,200, Deduct	*-5.63*	
		For >2,200 To 3,500, Deduct	*-7.25*	
		For >3,500, Deduct	*-8.88*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0263	SY	IMPRESSION III ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	64.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.86*	
		For >1,500 To 2,200, Deduct	*-5.63*	
		For >2,200 To 3,500, Deduct	*-7.25*	
		For >3,500, Deduct	*-8.88*	
		For Cushioned Backed Tile, Add	*4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0264	SY	IMPRESSION IV ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	64.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.96*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.86*	
		For >1,500 To 2,200, Deduct	*-5.63*	
		For >2,200 To 3,500, Deduct	*-7.25*	
		For >3,500, Deduct	*-8.88*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0265		22 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0251)*		
09 68 13 00-0266	SY	PLANE HEXAGON ECOWORX® 22 Ounce, Non-Patterned, Nylon Carpet Tile	80.87	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.91*	
		For >600 To 900, Deduct	*-3.45*	
		For >900 To 1,500, Deduct	*-4.98*	
		For >1,500 To 2,200, Deduct	*-7.23*	
		For >2,200 To 3,500, Deduct	*-9.25*	
		For >3,500, Deduct	*-11.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0267		24 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0251)*		
09 68 13 00-0268	SY	NEST ECOWORX® 24 Ounce, Non-Patterned, Nylon Carpet Tile	60.88	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.58*	
		For >1,500 To 2,200, Deduct	*-5.23*	
		For >2,200 To 3,500, Deduct	*-6.76*	
		For >3,500, Deduct	*-8.28*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0269		30 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0251)*		
09 68 13 00-0270	SY	TRU COLOURS ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	65.52	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.68*	
		For >900 To 1,500, Deduct	*-3.90*	
		For >1,500 To 2,200, Deduct	*-5.70*	
		For >2,200 To 3,500, Deduct	*-7.34*	
		For >3,500, Deduct	*-8.97*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0271	SY	COLOUR PLANK ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	72.17	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.10*	
		For >400 To 600, Deduct	*-1.65*	
		For >600 To 900, Deduct	*-3.01*	
		For >900 To 1,500, Deduct	*-4.37*	
		For >1,500 To 2,200, Deduct	*-6.36*	
		For >2,200 To 3,500, Deduct	*-8.17*	
		For >3,500, Deduct	*-9.97*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0272	SY	GRADATION ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	76.30	6.97
		For Up To 15, Add	*3.42*	
		For >15 To 33, Add	*1.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400 To 600, Deduct	*-1.78*	
		For >600 To 900, Deduct	*-3.22*	
		For >900 To 1,500, Deduct	*-4.66*	
		For >1,500 To 2,200, Deduct	*-6.78*	
		For >2,200 To 3,500, Deduct	*-8.68*	
		For >3,500, Deduct	*-10.59*	
		For Cushioned Backed Tile, Add	*4.89*	
09 68 13 00-0273		ESD Static Control Carpet Tiles (Shaw StaticSmart) *(09 68 13 00-0001)*		
		Note: Includes conductive ESD releasable adhesive and grounding clips.		
09 68 13 00-0274		16-24 Ounce, Static Control, Nylon Carpet Tile (StaticSmart) *(09 68 13 00-0273)*		
09 68 13 00-0275	SY	DAILY PLANNER, Static Control, Nylon Carpet Carpet Tile	59.17	6.97
09 68 13 00-0276	SY	COLLABORATORS, Static Control, Nylon Carpet Carpet Tile	64.16	6.97
09 68 13 00-0277	SY	WORKSPACE, Static Control, Nylon Carpet Carpet Tile	59.28	6.97
09 68 13 00-0278	SY	LANDMARK SERIES, Static Control, Nylon Carpet Carpet Tile	62.46	6.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0279	SY	LAN 4.1, Static Control, Nylon Carpet Carpet Tile	84.28	6.97
09 68 13 00-0280	SY	PRESIDENTIAL, Static Control, Nylon Carpet Carpet Tile	84.28	6.97
09 68 13 00-0281	SY	COLONIAL, Static Control, Nylon Carpet Carpet Tile	84.72	6.97
09 68 13 00-0282	SY	LAN 4.0, Static Control, Nylon Carpet Carpet Tile	99.46	6.97
09 68 13 00-0283	SY	DISCOVERY ECO, Static Control, Nylon Carpet Carpet Tile	82.77	6.97

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	19.39	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.44*	
		For >600 To 900, Deduct	*-0.80*	
		For >900 To 1,500, Deduct	*-1.17*	
		For >1,500 To 2,200, Deduct	*-1.70*	
		For >2,200 To 3,500, Deduct	*-2.18*	
		For >3,500, Deduct	*-2.67*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	20.24	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.31*	
		For >400 To 600, Deduct	*-0.46*	
		For >600 To 900, Deduct	*-0.84*	
		For >900 To 1,500, Deduct	*-1.22*	
		For >1,500 To 2,200, Deduct	*-1.78*	
		For >2,200 To 3,500, Deduct	*-2.29*	
		For >3,500, Deduct	*-2.80*	

09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.93	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.43*	
		For >900 To 1,500, Deduct	*-0.64*	
		For >1,500 To 2,200, Deduct	*-0.95*	
		For >2,200 To 3,500, Deduct	*-1.25*	
		For >3,500, Deduct	*-1.55*	
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.52	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.46*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.01*	
		For >2,200 To 3,500, Deduct	*-1.33*	
		For >3,500, Deduct	*-1.64*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.75	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.32*	
		For >900 To 1,500, Deduct	*-0.49*	
		For >1,500 To 2,200, Deduct	*-0.74*	
		For >2,200 To 3,500, Deduct	*-0.98*	
		For >3,500, Deduct	*-1.22*	
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.13	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.13	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.58*	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.13	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.28*	
		For >3,500, Deduct	*-1.58*	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.53	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.26*	
		For >600 To 900, Deduct	*-0.51*	
		For >900 To 1,500, Deduct	*-0.76*	
		For >1,500 To 2,200, Deduct	*-1.11*	
		For >2,200 To 3,500, Deduct	*-1.45*	
		For >3,500, Deduct	*-1.79*	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.99	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.43*	
		For >900 To 1,500, Deduct	*-0.65*	
		For >1,500 To 2,200, Deduct	*-0.96*	
		For >2,200 To 3,500, Deduct	*-1.26*	
		For >3,500, Deduct	*-1.56*	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.46	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.46*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.01*	
		For >2,200 To 3,500, Deduct	*-1.32*	
		For >3,500, Deduct	*-1.63*	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	14.13	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.54*	
		For >900 To 1,500, Deduct	*-0.80*	
		For >1,500 To 2,200, Deduct	*-1.17*	
		For >2,200 To 3,500, Deduct	*-1.53*	
		For >3,500, Deduct	*-1.88*	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	20.68	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.32*	
		For >400 To 600, Deduct	*-0.48*	
		For >600 To 900, Deduct	*-0.87*	
		For >900 To 1,500, Deduct	*-1.26*	
		For >1,500 To 2,200, Deduct	*-1.83*	
		For >2,200 To 3,500, Deduct	*-2.35*	
		For >3,500, Deduct	*-2.86*	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	23.15	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.55*	
		For >600 To 900, Deduct	*-0.99*	
		For >900 To 1,500, Deduct	*-1.43*	
		For >1,500 To 2,200, Deduct	*-2.08*	
		For >2,200 To 3,500, Deduct	*-2.65*	
		For >3,500, Deduct	*-3.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	25.04	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.61*	
		For >600 To 900, Deduct	*-1.08*	
		For >900 To 1,500, Deduct	*-1.56*	
		For >1,500 To 2,200, Deduct	*-2.26*	
		For >2,200 To 3,500, Deduct	*-2.89*	
		For >3,500, Deduct	*-3.52*	
09 68 16 00-0021		Waffle Rubber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0022	SY	3/8" Thick, 90 Oz./SY Waffle Rubber Carpet Padding	23.81	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.38*	
		For >400 To 600, Deduct	*-0.57*	
		For >600 To 900, Deduct	*-1.02*	
		For >900 To 1,500, Deduct	*-1.47*	
		For >1,500 To 2,200, Deduct	*-2.14*	
		For >2,200 To 3,500, Deduct	*-2.74*	
		For >3,500, Deduct	*-3.33*	
09 68 16 00-0023		Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0024	SY	0.156" Thick, 62 Oz./SY Flat Sponge Rubber Carpet Padding	14.26	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.55*	
		For >900 To 1,500, Deduct	*-0.81*	
		For >1,500 To 2,200, Deduct	*-1.19*	
		For >2,200 To 3,500, Deduct	*-1.54*	
		For >3,500, Deduct	*-1.90*	
09 68 16 00-0025	SY	0.250" Thick, 68 Oz./SY Flat Sponge Rubber Carpet Padding	15.27	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.21*	
		For >400 To 600, Deduct	*-0.31*	
		For >600 To 900, Deduct	*-0.60*	
		For >900 To 1,500, Deduct	*-0.88*	
		For >1,500 To 2,200, Deduct	*-1.29*	
		For >2,200 To 3,500, Deduct	*-1.67*	
		For >3,500, Deduct	*-2.05*	
09 68 16 00-0026	SY	0.250" Thick, 80 Oz./SY Flat Sponge Rubber Carpet Padding	16.02	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.34*	
		For >600 To 900, Deduct	*-0.63*	
		For >900 To 1,500, Deduct	*-0.93*	
		For >1,500 To 2,200, Deduct	*-1.36*	
		For >2,200 To 3,500, Deduct	*-1.76*	
		For >3,500, Deduct	*-2.16*	
09 68 16 00-0027	SY	0.250" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	18.35	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.75*	
		For >900 To 1,500, Deduct	*-1.09*	
		For >1,500 To 2,200, Deduct	*-1.60*	
		For >2,200 To 3,500, Deduct	*-2.05*	
		For >3,500, Deduct	*-2.51*	
09 68 16 00-0028	SY	0.370" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	18.55	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.28*	
		For >400 To 600, Deduct	*-0.41*	
		For >600 To 900, Deduct	*-0.76*	
		For >900 To 1,500, Deduct	*-1.11*	
		For >1,500 To 2,200, Deduct	*-1.62*	
		For >2,200 To 3,500, Deduct	*-2.08*	
		For >3,500, Deduct	*-2.54*	
09 68 16 00-0029		Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0030	SY	0.235" Thick, 20 Oz./SY Synthetic Fiber Carpet Padding	6.76	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.17*	
		For >900 To 1,500, Deduct	*-0.28*	
		For >1,500 To 2,200, Deduct	*-0.44*	
		For >2,200 To 3,500, Deduct	*-0.61*	
		For >3,500, Deduct	*-0.77*	
09 68 16 00-0031	SY	0.235" Thick, 24 Oz./SY Synthetic Fiber Carpet Padding	8.30	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.11*	
		For >600 To 900, Deduct	*-0.25*	
		For >900 To 1,500, Deduct	*-0.39*	
		For >1,500 To 2,200, Deduct	*-0.59*	
		For >2,200 To 3,500, Deduct	*-0.80*	
		For >3,500, Deduct	*-1.01*	
09 68 16 00-0032	SY	0.275" Thick, 28 Oz./SY Synthetic Fiber Carpet Padding	7.59	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.21*	
		For >900 To 1,500, Deduct	*-0.34*	
		For >1,500 To 2,200, Deduct	*-0.52*	
		For >2,200 To 3,500, Deduct	*-0.71*	
		For >3,500, Deduct	*-0.90*	
09 68 16 00-0033	SY	0.300" Thick, 32 Oz./SY Synthetic Fiber Carpet Padding	7.86	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.23*	
		For >900 To 1,500, Deduct	*-0.36*	
		For >1,500 To 2,200, Deduct	*-0.55*	
		For >2,200 To 3,500, Deduct	*-0.74*	
		For >3,500, Deduct	*-0.94*	
09 68 16 00-0034	SY	0.350" Thick, 40 Oz./SY Synthetic Fiber Carpet Padding	9.44	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.30*	
		For >900 To 1,500, Deduct	*-0.47*	
		For >1,500 To 2,200, Deduct	*-0.70*	
		For >2,200 To 3,500, Deduct	*-0.94*	
		For >3,500, Deduct	*-1.18*	
09 68 16 00-0035		Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0036	SY	0.300" Thick, 32 Oz./SY Double Stick Synthetic Fiber Carpet Padding	9.93	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.33*	
		For >900 To 1,500, Deduct	*-0.50*	
		For >1,500 To 2,200, Deduct	*-0.75*	
		For >2,200 To 3,500, Deduct	*-1.00*	
		For >3,500, Deduct	*-1.25*	
09 68 16 00-0037	SY	0.375" Thick, 40 Oz./SY Double Stick Synthetic Fiber Carpet Padding	11.16	3.16
		For Up To 15, Add	*0.96*	
		For >15 To 33, Add	*0.48*	
		For >200 To 400, Deduct	*-0.13*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.39*	
		For >900 To 1,500, Deduct	*-0.59*	
		For >1,500 To 2,200, Deduct	*-0.88*	
		For >2,200 To 3,500, Deduct	*-1.16*	
		For >3,500, Deduct	*-1.43*	
09 68 16 00-0038		Commercial Broadloom Carpet *(09 68 16)*		
		Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0039		Patterned Broadloom Carpet (Shaw) *(09 68 16 00-0038)*		
09 68 16 00-0040		20 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0041	SY	AMBITION III 20 CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	28.67	28.59
09 68 16 00-0042	SY	ESSENTIAL CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	35.97	28.59
09 68 16 00-0043	SY	PRIME CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	35.97	28.59
09 68 16 00-0044	SY	MODIFY CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	39.43	28.59
09 68 16 00-0045	SY	SWITCH CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	39.43	28.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0046	SY	TRANSFER CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	39.43	28.59
09 68 16 00-0047	SY	SCRIBE CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	39.82	28.59
09 68 16 00-0048	SY	STYLUS CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	39.82	28.59
09 68 16 00-0049	SY	CONTE' ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet	49.47	28.59
09 68 16 00-0050	SY	ERASE ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet	49.47	28.59
09 68 16 00-0051	SY	CADENCE ECOWORX® PERFORMANCE 20 Ounce, Patterned, Nylon Broadloom Carpet	60.68	28.59
09 68 16 00-0052		**22 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0053	SY	BIRCH CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	39.63	28.59
09 68 16 00-0054	SY	GROVE CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	39.63	28.59
09 68 16 00-0055	SY	SUMMIT CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	39.63	28.59
09 68 16 00-0056	SY	HIT THE BOOKS ULTRLOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	42.94	28.59
09 68 16 00-0057	SY	LAYER ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	45.18	28.59
09 68 16 00-0058	SY	DIMENSION ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	43.10	28.59
09 68 16 00-0059	SY	CHARISMA ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	46.31	28.59
09 68 16 00-0060	SY	AMPLIFY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	49.90	28.59
09 68 16 00-0061	SY	HIT THE BOOKS ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	47.62	28.59
09 68 16 00-0062	SY	ILLUMINATE ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	49.90	28.59
09 68 16 00-0063	SY	EFFECT ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	49.67	28.59
09 68 16 00-0064	SY	FAÇADE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	51.85	28.59
09 68 16 00-0065	SY	INLAY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	49.67	28.59
09 68 16 00-0066	SY	COLLAGE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	53.86	28.59
09 68 16 00-0067		**24 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0068	SY	ASSOCIATE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	36.75	28.59
09 68 16 00-0069	SY	FOSSIL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.49	28.59
09 68 16 00-0070	SY	TERRA CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	37.49	28.59
09 68 16 00-0071	SY	ECLECTIC CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.36	28.59
09 68 16 00-0072	SY	MELD CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.87	28.59
09 68 16 00-0073	SY	STAY ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.67	28.59
09 68 16 00-0074	SY	REMINISCE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	38.73	28.59
09 68 16 00-0075	SY	CONTOUR CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	38.89	28.59
09 68 16 00-0076	SY	OUTLINE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	38.89	28.59
09 68 16 00-0077	SY	FLICKER CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.52	28.59
09 68 16 00-0078	SY	FLARE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	40.12	28.59
09 68 16 00-0079	SY	TONE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	40.03	28.59
09 68 16 00-0080	SY	TINT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	40.75	28.59
09 68 16 00-0081	SY	BLOG ULTRLOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	42.86	28.59
09 68 16 00-0082	SY	BLOG CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	41.96	28.59
09 68 16 00-0083	SY	KUSA ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	50.71	28.59
09 68 16 00-0084	SY	ENGRAVE ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	66.16	28.59
09 68 16 00-0085	SY	ORNAMENT ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	66.16	28.59
09 68 16 00-0086	SY	SCREEN ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	66.16	28.59
09 68 16 00-0087	SY	COLONEL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	31.55	28.59
09 68 16 00-0088	SY	TOWN RESORT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	34.51	28.59
09 68 16 00-0089	SY	SENTIMENT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	39.48	28.59
09 68 16 00-0090		**26 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0091	SY	AMBITION III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	30.75	28.59
09 68 16 00-0092	SY	POTENTIAL III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	35.91	28.59
09 68 16 00-0093	SY	POTENTIAL III 26 UNITARY 26 Ounce, Patterned, Nylon Broadloom Carpet	37.80	28.59
09 68 16 00-0094	SY	INTERPLAY ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	39.60	28.59
09 68 16 00-0095	SY	PETO II CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	39.34	28.59
09 68 16 00-0096	SY	EVOLUTION CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	39.43	28.59
09 68 16 00-0097	SY	SPACE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	39.33	28.59
09 68 16 00-0098	SY	DIVIDE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	40.40	28.59
09 68 16 00-0099	SY	EDIT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	41.04	28.59
09 68 16 00-0100	SY	EQUAL CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	41.03	28.59
09 68 16 00-0101	SY	TEXT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	41.92	28.59
09 68 16 00-0102	SY	TEXT ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	43.07	28.59
09 68 16 00-0103	SY	CONSTELLATION ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	44.84	28.59
09 68 16 00-0104	SY	CROSS STITCH ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	46.77	28.59
09 68 16 00-0105	SY	ESCAPE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	50.88	28.59
09 68 16 00-0106	SY	WISDOM ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	51.20	28.59
09 68 16 00-0107	SY	BOTAN ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	51.84	28.59
09 68 16 00-0108	SY	MAINFRAME ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	49.18	28.59
09 68 16 00-0109	SY	HANA ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	52.06	28.59
09 68 16 00-0110	SY	NAVIGATE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	50.12	28.59
09 68 16 00-0111	SY	INTUITION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	54.45	28.59
09 68 16 00-0112	SY	QUEST ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	54.45	28.59
09 68 16 00-0113	SY	SOPHISTICATION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	54.45	28.59
09 68 16 00-0114	SY	JOIE ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	68.00	28.59
09 68 16 00-0115		**28 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0116	SY	POTENTIAL III 28 CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	38.64	31.03
09 68 16 00-0117	SY	MOMENTUM IV UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet	39.36	31.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0118	SY	POTENTIAL III 28 UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet	40.42	31.03
09 68 16 00-0119	SY	CULTURE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	40.56	31.03
09 68 16 00-0120	SY	SCHOLAR II UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet	42.42	31.03
09 68 16 00-0121	SY	FIELD TRIP ULTRLOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	43.31	31.03
09 68 16 00-0122	SY	ACCOMPLISH CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	43.49	31.03
09 68 16 00-0123	SY	PROSPER CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	45.08	31.03
09 68 16 00-0124	SY	ASPIRE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	46.28	31.03
09 68 16 00-0125	SY	MOVEMENT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	48.79	31.03
09 68 16 00-0126	SY	SHIMMER ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	46.94	31.03
09 68 16 00-0127	SY	CORDED ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	47.81	31.03
09 68 16 00-0128	SY	FIELD TRIP ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	50.05	31.03
09 68 16 00-0129	SY	ACCOMPLISH ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	50.38	31.03
09 68 16 00-0130	SY	PROSPER ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	51.92	31.03
09 68 16 00-0131	SY	MEADOW ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	54.35	31.03
09 68 16 00-0132	SY	PROFILE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	55.33	31.03
09 68 16 00-0133	SY	ASPIRE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	52.72	31.03
09 68 16 00-0134	SY	DOUBLE KNIT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	53.16	31.03
09 68 16 00-0135	SY	BRIDGE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	54.85	31.03
09 68 16 00-0136	SY	GLADE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	58.92	31.03
09 68 16 00-0137	SY	ESSENCE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	60.16	31.03
09 68 16 00-0138	SY	EXPRESSIVE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	60.16	31.03
09 68 16 00-0139	SY	BASKET ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	64.96	31.03
09 68 16 00-0140	SY	IKAT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	69.12	31.03
09 68 16 00-0141	SY	VERVE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	68.87	31.03
09 68 16 00-0142	SY	VITAE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	65.27	31.03
09 68 16 00-0143	SY	IMAGERY CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	42.75	31.03
09 68 16 00-0144	SY	GROUND FORCE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	38.99	31.03
09 68 16 00-0145		**30 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0146	SY	GRADIENT CLASSICBAC® 30 Ounce, Patterned, Nylon Broadloom Carpet	43.65	31.03
09 68 16 00-0147	SY	HONOR ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	63.45	31.03
09 68 16 00-0148	SY	PEBBLE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	60.46	31.03
09 68 16 00-0149	SY	BATIK ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.12	31.03
09 68 16 00-0150	SY	LINEN ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.12	31.03
09 68 16 00-0151	SY	TAPESTRY ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.12	31.03
09 68 16 00-0152	SY	TEXTILE ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	69.12	31.03
09 68 16 00-0153	SY	TRELLIS ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	67.33	31.03
09 68 16 00-0154	SY	TWINE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	67.33	31.03
09 68 16 00-0155	SY	BEYOND ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	72.03	31.03
09 68 16 00-0156		**32 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0157	SY	REFUGE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	41.49	31.03
09 68 16 00-0158	SY	RETREAT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	41.74	31.03
09 68 16 00-0159	SY	PLEAT CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	42.57	31.03
09 68 16 00-0160	SY	TAPER CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	42.57	31.03
09 68 16 00-0161	SY	STRIPES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	43.11	31.03
09 68 16 00-0162	SY	HERRINGBONE CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	43.11	31.03
09 68 16 00-0163	SY	SQUARES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	43.53	31.03
09 68 16 00-0164	SY	SOLID CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	53.89	31.03
09 68 16 00-0165	SY	CORE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	55.54	31.03
09 68 16 00-0166	SY	TIMBER ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	58.57	31.03
09 68 16 00-0167	SY	GROUNDED ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	62.56	31.03
09 68 16 00-0168	SY	TRIBUTE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet	67.39	31.03
09 68 16 00-0169	SY	GRACE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet	68.11	31.03
09 68 16 00-0170	SY	INHERIT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	73.12	31.03
09 68 16 00-0171	SY	EMBRACE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	81.96	31.03
09 68 16 00-0172		**34 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0173	SY	GLOW ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	61.62	33.35
09 68 16 00-0174	SY	3SQUARE ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	61.03	33.35
09 68 16 00-0175	SY	EDITION ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	74.71	33.35
09 68 16 00-0176		**36 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0177	SY	BELLCOURT CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	64.01	33.35
09 68 16 00-0178	SY	CRANFORD CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	64.01	33.35
09 68 16 00-0179	SY	KENNEBUNK CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	64.01	33.35
09 68 16 00-0180	SY	MORITZ CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	64.01	33.35
09 68 16 00-0181	SY	FIBER ECOWORX® 36 Ounce, Patterned, Nylon Broadloom Carpet	64.05	33.35
09 68 16 00-0182		**38 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0183	SY	LANA ECOWORX® 38 Ounce, Patterned, Nylon Broadloom Carpet	76.04	33.35
09 68 16 00-0184	SY	ARTISAN LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet	81.59	33.35
09 68 16 00-0185	SY	CHOK LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet	81.88	33.35
09 68 16 00-0186	SY	AT EASE 39 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet	54.38	33.35
09 68 16 00-0187	SY	AT EASE 49 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet	59.94	33.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0188	SY	WELCOME II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet	66.20	33.35
09 68 16 00-0189	SY	BON JOUR II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet	66.20	33.35
09 68 16 00-0190		Non-Patterned Broadloom Carpet (Shaw) *(09 68 16 00-0038)*		
09 68 16 00-0191		24 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0192	SY	HARBOR CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	33.07	28.59
09 68 16 00-0193	SY	UPSCALE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	33.07	28.59
09 68 16 00-0194	SY	MEMOIRS CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	34.53	28.59
09 68 16 00-0195	SY	SCENERY CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	36.50	28.59
09 68 16 00-0196	SY	REIMAGINE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	38.39	28.59
09 68 16 00-0197	SY	STATEMENT CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	40.36	28.59
09 68 16 00-0198		30 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0199	SY	DESIGN SERIES V 30 CLASSICBAC® 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	40.72	31.03
09 68 16 00-0200	SY	HIGHLIGHT ECOWORX® PERFORMANCE 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	53.19	31.03
09 68 16 00-0201		34 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0202	SY	RESIDENCE INN I CLASSICBAC® 34 Ounce, Non-Patterned, Nylon Broadloom Carpet	47.39	33.35
09 68 16 00-0203		36 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0204	SY	DESIGN SERIES V 36 CLASSICBAC® 36 Ounce, Non-Patterned, Nylon Broadloom Carpet	46.94	33.35
09 68 16 00-0205		38 Ounce, Non-Patterned, Nylon Broadloom Carpet *(09 68 16 00-0190)*		
09 68 16 00-0206	SY	VILLA CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	46.97	33.35
09 68 16 00-0207	SY	SCEPTER II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	58.08	33.35
09 68 16 00-0208	SY	RESIDENCE INN II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	52.05	33.35
09 68 16 00-0209	SY	RESIDENCE INN III CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	56.91	33.35
09 68 16 00-0210		Carpet Accessories *(09 68 16)*		
09 68 16 00-0211	LF	Metal Carpet Saddle Strip, Up To 4" Wide	9.83	0.96
09 68 16 00-0212		Removal And Reinstallation Of Carpet And Pad *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0213	SY	Removal And Reinstallation Of Carpet And Pad	40.29	
09 68 16 00-0214		Carpeting Support Functions *(09 68 16)*		
09 68 16 00-0215		Relocate Partitions, Modular Workstations *(09 68 16 00-0214)*		
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.		
09 68 16 00-0216	EA	Relocate Modular Workstation	335.66	
09 68 16 00-0217		Installation Of Owner Provided Broadloom Carpet *(09 68 16)*		
09 68 16 00-0218	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	17.03	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.32*	
		For >15 To 33, Add	*1.66*	
09 68 16 00-0219	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	19.80	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.87*	
		For >15 To 33, Add	*1.94*	
09 68 16 00-0220	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	23.67	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*4.65*	
		For >15 To 33, Add	*2.32*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		Panels, No Covering *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	19.50	0.96
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	37.12	0.96
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	34.55	1.05
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	34.55	1.05
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	34.55	1.05
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	34.55	1.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	32.65	1.05
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	32.65	1.05
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	36.93	1.05
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	36.93	1.05
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moondance 6808	36.93	1.05
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	36.93	1.05
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	35.03	1.05
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	35.03	1.05
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	44.51	1.05
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	44.51	1.05
09 69 13 00-0018		Pedestals *(09 69 13)*		
09 69 13 00-0019	EA	2-1/2" To 4" Finished Floor Height, Pedestal Assembly	32.32	4.80
09 69 13 00-0020	EA	6" To 12" Finished Floor Height, Pedestal Assembly	40.59	4.80
09 69 13 00-0021	EA	8" To 12" Finished Floor Height, Pedestal Assembly	42.97	4.80
09 69 13 00-0022	EA	18" To 24" Finished Floor Height, Pedestal Assembly	44.16	4.80
09 69 13 00-0023	EA	30" To 36" Finished Floor Height, Pedestal Assembly	48.48	4.80
09 69 13 00-0024		Stringers *(09 69 13)*		
09 69 13 00-0025	EA	2' Bolted Stringers, Access And Pedestal Floors	20.09	5.76
09 69 13 00-0026	EA	4' Bolted Stringers, Access And Pedestal Floors	35.37	8.63
09 69 13 00-0027	EA	6' Bolted Stringers, Access And Pedestal Floors	55.69	14.39
09 69 13 00-0028		Understructure *(09 69 13)*		
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height	6.98	1.43
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height	7.55	1.43
09 69 13 00-0031	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	8.96	1.43
09 69 53		**Access Flooring Accessories *(09 69)***		
09 69 53 00-0001		Accessories *(09 69 53)*		
09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors	43.41	3.83
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors	69.96	6.71
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors	27.13	6.71
09 69 53 00-0005	EA	Machine Cutouts	219.03	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate	72.70	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System Note: Includes baffles, fascia plates trim and cover.	175.61	0.48
09 69 53 00-0008	LF	Tate Handrail	138.46	3.16
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", and 24").	49.86	3.16
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille Note: Includes carpet trim to flush mount.	226.60	11.99
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	48.78	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	48.78	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	67.22	1.92
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	82.70	1.92
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	62.93	1.92
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	82.69	1.92
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	223.73	11.99
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications) Note: Includes cut hole.	155.61	11.99
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	223.73	11.99
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	117.25	1.92
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor	9.59	
09 69 53 00-0022		Final Cleaning For Computer Room Raised Floor System *(09 69 53)* Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.40	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.55	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.50	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001		Cork Wall Covering *(09 72 13)*		
09 72 13 00-0002	SF	1/8" Cork Wall Covering	5.64	0.94
09 72 13 00-0003	SF	1/4" Cork Wall Covering	7.06	0.94
09 72 13 00-0004	SF	1/2" Cork Wall Covering	8.19	0.94
09 72 13 00-0005	SF	3/4" Cork Wall Covering	11.51	0.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 72 16		**Vinyl-Coated Fabric Wall Coverings** *(09 72)*		
09 72 16 13		**Flexible Vinyl Wall Coverings** *(09 72 16)*		
09 72 16 13-0001		Vinyl Wall Coverings *(09 72 16 13)*		
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF	7 To 10 Oz./SY Vinyl Wall Covering	2.65	0.94
		For Owner Furnished Material, Deduct	*-1.18*	
09 72 16 13-0003	SF	11 To 14 Oz./SY Vinyl Wall Covering	3.29	0.94
		For Owner Furnished Material, Deduct	*-1.72*	
09 72 16 13-0004	SF	15 To 19 Oz./SY Vinyl Wall Covering	3.92	0.94
		For Owner Furnished Material, Deduct	*-2.15*	
09 72 16 13-0005	SF	20 To 25 Oz./SY Vinyl Wall Covering	4.45	0.94
		For Owner Furnished Material, Deduct	*-2.48*	
09 72 16 13-0006	SF	26 To 32 Oz./SY Vinyl Wall Covering	5.08	0.94
		For Owner Furnished Material, Deduct	*-3.02*	
09 72 16 13-0007	SF	33 To 38 Oz./SY Vinyl Wall Covering	5.97	0.94
		For Owner Furnished Material, Deduct	*-3.82*	
09 72 16 13-0008		Vinyl Wall Border *(09 72 16 13)*		
09 72 16 13-0009	LF	4" Vinyl Wall Cover Border	2.57	0.94
09 72 16 13-0010	LF	5" Vinyl Wall Cover Border	2.74	0.94
09 72 16 13-0011	LF	6" Vinyl Wall Cover Border	2.99	0.94
09 72 16 13-0012	LF	7" Vinyl Wall Cover Border	3.43	1.03
09 72 16 13-0013	LF	8" Vinyl Wall Cover Border	4.10	1.13
09 72 16 13-0014	LF	10" Vinyl Wall Cover Border	4.96	1.22
09 72 23		**Wallpapering** *(09 72)*		
09 72 23 00-0001		Wallpaper Coverings *(09 72 23)*		
		Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	2.27	1.25
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.65	1.60
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	3.57	2.36
09 73		**Wall Carpeting** *(09 70)*		
09 73 00 00-0001		Carpet Wall Covering *(09 73)*		
09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	56.19	31.79
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	57.48	31.79
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	62.26	34.23
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	65.87	34.23
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	69.61	34.23
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	71.17	34.23
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	74.05	36.97
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	77.19	36.97
09 74		**Flexible Wood Sheets** *(09 70)*		
09 74 16		**Flexible Wood Veneers** *(09 74)*		
09 74 16 00-0001		Flexible Wood Veneer *(09 74 16)*		
09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	11.59	3.77
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	11.85	3.77
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	11.85	3.77
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	12.10	3.77
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	13.37	3.77
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	14.90	3.77
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	16.68	3.77
09 74 16 00-0009		Flexible Exotic Wood Veneer *(09 74 16)*		
09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	21.08	3.77
09 77		**Special Wall Surfacing** *(09 70)*		
09 77 11		**Special Wall Panels** *(09 77)*		
09 77 11 00-0001		Corian Wall Panels *(09 77 11)*		
09 77 11 00-0002		Wall Panels *(09 77 11 00-0001)*		
09 77 11 00-0003	SF	1/4" Corian Wall Panels, Sea Grass	48.98	7.14
		For >500, Deduct	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 77 11 00-0004	SF	1/4" Corian Wall Panels, Aqua	58.53	7.14
		For >500, Deduct	*4.42*	
09 77 11 00-0005	SF	1/4" Corian Wall Panels, Everest	62.46	7.14
		For >500, Deduct	*4.82*	

09 77 11 00-0006 Corian Corner Guards For Wall Panels *(09 77 11 00-0001)*

09 77 11 00-0007	SF	1/2" Curved Corner Guard For Corian Wall Panels, Sea Grass	133.03	5.71
09 77 11 00-0008	SF	1/2" Curved Corner Guard For Corian Wall Panels, Aqua	143.59	5.71
09 77 11 00-0009	SF	1/2" Curved Corner Guard For Corian Wall Panels, Everest	129.89	5.71

09 78 Interior Wall Paneling *(09 70)*

09 78 13 Metal Interior Wall Paneling *(09 78)*

09 78 13 00-0001 Stainless Steel Wall Base *(09 78 13)*

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	13.53	3.22
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	19.67	3.54
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	21.81	3.54
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	26.08	3.86
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	32.49	4.28
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	15.11	3.22
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	21.17	3.54
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	23.28	3.54
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	27.36	3.86
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	33.79	4.28
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	36.68	6.42
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	46.18	7.07
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	49.38	7.07
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	55.79	7.71
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	65.84	8.57
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	73.31	6.42
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	82.92	7.07
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	86.01	7.07
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	92.53	7.71
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	102.58	8.57
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	36.68	6.42
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	46.18	7.07
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	49.38	7.07
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	55.79	7.71
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	65.84	8.57
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	88.04	6.42
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	97.55	7.07
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	100.75	7.07
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	107.16	7.71
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	117.21	8.57

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	22.67	3.22
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	38.04	3.54
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	43.51	3.54
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	53.33	3.86
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	70.72	4.28
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	24.15	3.22
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	39.47	3.54
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	44.55	3.54
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	54.81	3.86
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	70.34	4.28
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	50.34	6.42
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	73.62	7.07
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	81.74	7.07
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	96.90	7.71
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	120.73	8.57
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	87.04	6.42
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	110.32	7.07
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	118.59	7.07
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	133.64	7.71
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	157.36	8.57
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	50.34	6.42
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	73.62	7.07
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	81.74	7.07
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	96.90	7.71
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	120.73	8.57
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	101.71	6.42
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	124.99	7.07
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	133.28	7.07
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	148.34	7.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	172.10	8.57

09 78 23 Recycled Resin Interior Wall Paneling *(09 78)*

09 78 23 00-0001 Varia Ecoresin Panels And Accessories *(09 78 23)*

09 78 23 00-0002 4' x 8' Varia Ecoresin Panels And Accessories *(09 78 23 00-0001)*

09 78 23 00-0003 4' x 8' Varia Ecoresin Panels *(09 78 23 00-0002)*

09 78 23 00-0004	EA	1/16" Thick, Group A, 4' x 8' Varia Ecoresin Panel	2,523.35	718.28
		For 6 To 14 Panels, Deduct	*-36.38*	
		For 15 To 29 Panels, Deduct	*-72.76*	
		For 30 To 59 Panels, Deduct	*-132.21*	
		For 60 To 99 Panels, Deduct	*-198.93*	
		For 100 To 199 Panels, Deduct	*-265.65*	
		For 200+ Panels, Deduct	*-325.10*	
09 78 23 00-0005	EA	1/8" Thick, Group A, 4' x 8' Varia Ecoresin Panel	2,838.44	747.01
		For 6 To 14 Panels, Deduct	*-48.55*	
		For 15 To 29 Panels, Deduct	*-97.09*	
		For 30 To 59 Panels, Deduct	*-163.20*	
		For 60 To 99 Panels, Deduct	*-239.01*	
		For 100 To 199 Panels, Deduct	*-314.83*	
		For 200+ Panels, Deduct	*-380.93*	
09 78 23 00-0006	EA	3/16" Thick, Group A, 4' x 8' Varia Ecoresin Panel	3,154.99	775.75
		For 6 To 14 Panels, Deduct	*-60.78*	
		For 15 To 29 Panels, Deduct	*-121.56*	
		For 30 To 59 Panels, Deduct	*-194.36*	
		For 60 To 99 Panels, Deduct	*-279.31*	
		For 100 To 199 Panels, Deduct	*-364.26*	
		For 200+ Panels, Deduct	*-437.06*	
09 78 23 00-0007	EA	1/4" Thick, Group A, 4' x 8' Varia Ecoresin Panel	3,348.82	804.48
		For 6 To 14 Panels, Deduct	*-66.88*	
		For 15 To 29 Panels, Deduct	*-133.76*	
		For 30 To 59 Panels, Deduct	*-210.79*	
		For 60 To 99 Panels, Deduct	*-301.20*	
		For 100 To 199 Panels, Deduct	*-391.61*	
		For 200+ Panels, Deduct	*-468.64*	
09 78 23 00-0008	EA	3/8" Thick, Group A, 4' x 8' Varia Ecoresin Panel	3,976.90	833.21
		For 6 To 14 Panels, Deduct	*-94.69*	
		For 15 To 29 Panels, Deduct	*-189.39*	
		For 30 To 59 Panels, Deduct	*-279.34*	
		For 60 To 99 Panels, Deduct	*-388.23*	
		For 100 To 199 Panels, Deduct	*-497.12*	
		For 200+ Panels, Deduct	*-587.08*	
09 78 23 00-0009	EA	1/2" Thick, Group A, 4' x 8' Varia Ecoresin Panel	4,537.43	861.95
		For 6 To 14 Panels, Deduct	*-119.13*	
		For 15 To 29 Panels, Deduct	*-238.26*	
		For 30 To 59 Panels, Deduct	*-339.78*	
		For 60 To 99 Panels, Deduct	*-465.13*	
		For 100 To 199 Panels, Deduct	*-590.48*	
		For 200+ Panels, Deduct	*-692.00*	
09 78 23 00-0010	EA	3/4" Thick, Group A, 4' x 8' Varia Ecoresin Panel	6,197.41	890.68
		For 6 To 14 Panels, Deduct	*-198.54*	
		For 15 To 29 Panels, Deduct	*-397.07*	
		For 30 To 59 Panels, Deduct	*-532.15*	
		For 60 To 99 Panels, Deduct	*-706.94*	
		For 100 To 199 Panels, Deduct	*-881.73*	
		For 200+ Panels, Deduct	*-1,016.81*	
09 78 23 00-0011	EA	1" Thick, Group A, 4' x 8' Varia Ecoresin Panel	7,155.91	919.40
		For 6 To 14 Panels, Deduct	*-242.87*	
		For 15 To 29 Panels, Deduct	*-485.74*	
		For 30 To 59 Panels, Deduct	*-640.35*	
		For 60 To 99 Panels, Deduct	*-843.53*	
		For 100 To 199 Panels, Deduct	*-1,046.72*	
		For 200+ Panels, Deduct	*-1,201.33*	
09 78 23 00-0012	EA	1/16" Thick, Group B, 4' x 8' Varia Ecoresin Panel	2,740.48	718.28
		For 6 To 14 Panels, Deduct	*-47.24*	
		For 15 To 29 Panels, Deduct	*-94.48*	
		For 30 To 59 Panels, Deduct	*-158.26*	
		For 60 To 99 Panels, Deduct	*-231.50*	
		For 100 To 199 Panels, Deduct	*-304.74*	
		For 200+ Panels, Deduct	*-368.52*	
09 78 23 00-0013	EA	1/8" Thick, Group B, 4' x 8' Varia Ecoresin Panel	3,049.03	747.01
		For 6 To 14 Panels, Deduct	*-59.07*	
		For 15 To 29 Panels, Deduct	*-118.15*	
		For 30 To 59 Panels, Deduct	*-188.47*	
		For 60 To 99 Panels, Deduct	*-270.60*	
		For 100 To 199 Panels, Deduct	*-352.73*	
		For 200+ Panels, Deduct	*-423.05*	
09 78 23 00-0014	EA	3/16" Thick, Group B, 4' x 8' Varia Ecoresin Panel	3,359.04	775.75
		For 6 To 14 Panels, Deduct	*-70.98*	
		For 15 To 29 Panels, Deduct	*-141.97*	
		For 30 To 59 Panels, Deduct	*-218.84*	
		For 60 To 99 Panels, Deduct	*-309.92*	
		For 100 To 199 Panels, Deduct	*-400.99*	
		For 200+ Panels, Deduct	*-477.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0015	EA	1/4" Thick, Group B, 4' x 8' Varia Ecoresin Panel	3,615.32	804.48
		For 6 To 14 Panels, Deduct	*-80.21*	
		For 15 To 29 Panels, Deduct	*-160.41*	
		For 30 To 59 Panels, Deduct	*-242.77*	
		For 60 To 99 Panels, Deduct	*-341.18*	
		For 100 To 199 Panels, Deduct	*-439.58*	
		For 200+ Panels, Deduct	*-521.94*	
09 78 23 00-0016	EA	3/8" Thick, Group B, 4' x 8' Varia Ecoresin Panel	4,191.85	833.21
		For 6 To 14 Panels, Deduct	*-105.44*	
		For 15 To 29 Panels, Deduct	*-210.88*	
		For 30 To 59 Panels, Deduct	*-305.13*	
		For 60 To 99 Panels, Deduct	*-420.47*	
		For 100 To 199 Panels, Deduct	*-535.81*	
		For 200+ Panels, Deduct	*-630.07*	
09 78 23 00-0017	EA	1/2" Thick, Group B, 4' x 8' Varia Ecoresin Panel	4,827.90	861.95
		For 6 To 14 Panels, Deduct	*-133.65*	
		For 15 To 29 Panels, Deduct	*-267.31*	
		For 30 To 59 Panels, Deduct	*-374.64*	
		For 60 To 99 Panels, Deduct	*-508.70*	
		For 100 To 199 Panels, Deduct	*-642.76*	
		For 200+ Panels, Deduct	*-750.10*	
09 78 23 00-0018	EA	3/4" Thick, Group B, 4' x 8' Varia Ecoresin Panel	6,354.26	890.68
		For 6 To 14 Panels, Deduct	*-206.38*	
		For 15 To 29 Panels, Deduct	*-412.76*	
		For 30 To 59 Panels, Deduct	*-550.98*	
		For 60 To 99 Panels, Deduct	*-730.47*	
		For 100 To 199 Panels, Deduct	*-909.97*	
		For 200+ Panels, Deduct	*-1,048.18*	
09 78 23 00-0019	EA	1" Thick, Group B, 4' x 8' Varia Ecoresin Panel	7,347.62	919.40
		For 6 To 14 Panels, Deduct	*-252.46*	
		For 15 To 29 Panels, Deduct	*-504.91*	
		For 30 To 59 Panels, Deduct	*-663.36*	
		For 60 To 99 Panels, Deduct	*-872.29*	
		For 100 To 199 Panels, Deduct	*-1,081.23*	
		For 200+ Panels, Deduct	*-1,239.67*	
09 78 23 00-0020	EA	1/16" Thick, Group C, 4' x 8' Varia Ecoresin Panel	3,011.34	718.28
		For 6 To 14 Panels, Deduct	*-60.78*	
		For 15 To 29 Panels, Deduct	*-121.56*	
		For 30 To 59 Panels, Deduct	*-190.77*	
		For 60 To 99 Panels, Deduct	*-272.13*	
		For 100 To 199 Panels, Deduct	*-353.49*	
		For 200+ Panels, Deduct	*-422.70*	
09 78 23 00-0021	EA	1/8" Thick, Group C, 4' x 8' Varia Ecoresin Panel	3,395.41	747.01
		For 6 To 14 Panels, Deduct	*-76.39*	
		For 15 To 29 Panels, Deduct	*-152.79*	
		For 30 To 59 Panels, Deduct	*-230.03*	
		For 60 To 99 Panels, Deduct	*-322.56*	
		For 100 To 199 Panels, Deduct	*-415.08*	
		For 200+ Panels, Deduct	*-492.33*	
09 78 23 00-0022	EA	3/16" Thick, Group C, 4' x 8' Varia Ecoresin Panel	3,680.74	775.75
		For 6 To 14 Panels, Deduct	*-87.07*	
		For 15 To 29 Panels, Deduct	*-174.14*	
		For 30 To 59 Panels, Deduct	*-257.45*	
		For 60 To 99 Panels, Deduct	*-358.17*	
		For 100 To 199 Panels, Deduct	*-458.90*	
		For 200+ Panels, Deduct	*-542.21*	
09 78 23 00-0023	EA	1/4" Thick, Group C, 4' x 8' Varia Ecoresin Panel	3,935.57	804.48
		For 6 To 14 Panels, Deduct	*-96.22*	
		For 15 To 29 Panels, Deduct	*-192.44*	
		For 30 To 59 Panels, Deduct	*-281.20*	
		For 60 To 99 Panels, Deduct	*-389.22*	
		For 100 To 199 Panels, Deduct	*-497.23*	
		For 200+ Panels, Deduct	*-585.99*	
09 78 23 00-0024	EA	3/8" Thick, Group C, 4' x 8' Varia Ecoresin Panel	4,465.61	833.21
		For 6 To 14 Panels, Deduct	*-119.13*	
		For 15 To 29 Panels, Deduct	*-238.26*	
		For 30 To 59 Panels, Deduct	*-337.99*	
		For 60 To 99 Panels, Deduct	*-461.54*	
		For 100 To 199 Panels, Deduct	*-585.09*	
		For 200+ Panels, Deduct	*-684.82*	
09 78 23 00-0025	EA	1/2" Thick, Group C, 4' x 8' Varia Ecoresin Panel	5,180.10	861.95
		For 6 To 14 Panels, Deduct	*-151.26*	
		For 15 To 29 Panels, Deduct	*-302.53*	
		For 30 To 59 Panels, Deduct	*-416.90*	
		For 60 To 99 Panels, Deduct	*-561.53*	
		For 100 To 199 Panels, Deduct	*-706.16*	
		For 200+ Panels, Deduct	*-820.54*	
09 78 23 00-0026	EA	3/4" Thick, Group C, 4' x 8' Varia Ecoresin Panel	6,747.85	890.68
		For 6 To 14 Panels, Deduct	*-226.06*	
		For 15 To 29 Panels, Deduct	*-452.12*	
		For 30 To 59 Panels, Deduct	*-598.21*	
		For 60 To 99 Panels, Deduct	*-789.51*	
		For 100 To 199 Panels, Deduct	*-980.81*	
		For 200+ Panels, Deduct	*-1,126.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0027	EA	1" Thick, Group C, 4' x 8' Varia Ecoresin Panel	7,706.35	919.40
		For 6 To 14 Panels, Deduct	*-270.39*	
		For 15 To 29 Panels, Deduct	*-540.78*	
		For 30 To 59 Panels, Deduct	*-706.40*	
		For 60 To 99 Panels, Deduct	*-926.10*	
		For 100 To 199 Panels, Deduct	*-1,145.80*	
		For 200+ Panels, Deduct	*-1,311.42*	
09 78 23 00-0028	EA	1/16" Thick, Group D, 4' x 8' Varia Ecoresin Panel	3,188.53	718.28
		For 6 To 14 Panels, Deduct	*-69.64*	
		For 15 To 29 Panels, Deduct	*-139.28*	
		For 30 To 59 Panels, Deduct	*-212.03*	
		For 60 To 99 Panels, Deduct	*-298.71*	
		For 100 To 199 Panels, Deduct	*-385.38*	
		For 200+ Panels, Deduct	*-458.13*	
09 78 23 00-0029	EA	1/8" Thick, Group D, 4' x 8' Varia Ecoresin Panel	3,531.94	747.01
		For 6 To 14 Panels, Deduct	*-83.22*	
		For 15 To 29 Panels, Deduct	*-166.44*	
		For 30 To 59 Panels, Deduct	*-246.42*	
		For 60 To 99 Panels, Deduct	*-343.04*	
		For 100 To 199 Panels, Deduct	*-439.66*	
		For 200+ Panels, Deduct	*-519.63*	
09 78 23 00-0030	EA	3/16" Thick, Group D, 4' x 8' Varia Ecoresin Panel	3,864.46	775.75
		For 6 To 14 Panels, Deduct	*-96.25*	
		For 15 To 29 Panels, Deduct	*-192.51*	
		For 30 To 59 Panels, Deduct	*-279.50*	
		For 60 To 99 Panels, Deduct	*-385.73*	
		For 100 To 199 Panels, Deduct	*-491.97*	
		For 200+ Panels, Deduct	*-578.96*	
09 78 23 00-0031	EA	1/4" Thick, Group D, 4' x 8' Varia Ecoresin Panel	4,281.23	804.48
		For 6 To 14 Panels, Deduct	*-113.50*	
		For 15 To 29 Panels, Deduct	*-227.00*	
		For 30 To 59 Panels, Deduct	*-322.68*	
		For 60 To 99 Panels, Deduct	*-441.06*	
		For 100 To 199 Panels, Deduct	*-559.45*	
		For 200+ Panels, Deduct	*-655.13*	
09 78 23 00-0032	EA	3/8" Thick, Group D, 4' x 8' Varia Ecoresin Panel	4,716.14	833.21
		For 6 To 14 Panels, Deduct	*-131.66*	
		For 15 To 29 Panels, Deduct	*-263.31*	
		For 30 To 59 Panels, Deduct	*-368.05*	
		For 60 To 99 Panels, Deduct	*-499.12*	
		For 100 To 199 Panels, Deduct	*-630.19*	
		For 200+ Panels, Deduct	*-734.93*	
09 78 23 00-0033	EA	1/2" Thick, Group D, 4' x 8' Varia Ecoresin Panel	5,514.87	861.95
		For 6 To 14 Panels, Deduct	*-168.00*	
		For 15 To 29 Panels, Deduct	*-336.00*	
		For 30 To 59 Panels, Deduct	*-457.07*	
		For 60 To 99 Panels, Deduct	*-611.75*	
		For 100 To 199 Panels, Deduct	*-766.42*	
		For 200+ Panels, Deduct	*-887.49*	
09 78 23 00-0034	EA	3/4" Thick, Group D, 4' x 8' Varia Ecoresin Panel	7,039.05	890.68
		For 6 To 14 Panels, Deduct	*-240.62*	
		For 15 To 29 Panels, Deduct	*-481.24*	
		For 30 To 59 Panels, Deduct	*-633.15*	
		For 60 To 99 Panels, Deduct	*-833.19*	
		For 100 To 199 Panels, Deduct	*-1,033.23*	
		For 200+ Panels, Deduct	*-1,185.14*	
09 78 23 00-0035	EA	1" Thick, Group D, 4' x 8' Varia Ecoresin Panel	8,321.42	919.40
		For 6 To 14 Panels, Deduct	*-301.15*	
		For 15 To 29 Panels, Deduct	*-602.29*	
		For 30 To 59 Panels, Deduct	*-780.21*	
		For 60 To 99 Panels, Deduct	*-1,018.36*	
		For 100 To 199 Panels, Deduct	*-1,256.51*	
		For 200+ Panels, Deduct	*-1,434.43*	
09 78 23 00-0036	EA	7/16" Thick, Remix, 4' x 8' Varia Ecoresin Panel	4,079.40	861.95
		For 6 To 14 Panels, Deduct	*-96.23*	
		For 15 To 29 Panels, Deduct	*-192.46*	
		For 30 To 59 Panels, Deduct	*-284.82*	
		For 60 To 99 Panels, Deduct	*-396.43*	
		For 100 To 199 Panels, Deduct	*-508.03*	
		For 200+ Panels, Deduct	*-600.40*	
09 78 23 00-0037	EA	1/4" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel	5,057.51	804.48
		For 6 To 14 Panels, Deduct	*-152.32*	
		For 15 To 29 Panels, Deduct	*-304.63*	
		For 30 To 59 Panels, Deduct	*-415.84*	
		For 60 To 99 Panels, Deduct	*-557.51*	
		For 100 To 199 Panels, Deduct	*-699.18*	
		For 200+ Panels, Deduct	*-810.38*	
09 78 23 00-0038	EA	3/8" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel	5,649.28	833.21
		For 6 To 14 Panels, Deduct	*-178.31*	
		For 15 To 29 Panels, Deduct	*-356.63*	
		For 30 To 59 Panels, Deduct	*-480.03*	
		For 60 To 99 Panels, Deduct	*-639.09*	
		For 100 To 199 Panels, Deduct	*-798.15*	
		For 200+ Panels, Deduct	*-921.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0039	EA	1/2" Thick, Ithemba, 4' x 8' Varia Ecoresin Panel	6,177.14	861.95
		For 6 To 14 Panels, Deduct	*-201.11*	
		For 15 To 29 Panels, Deduct	*-402.23*	
		For 30 To 59 Panels, Deduct	*-536.55*	
		For 60 To 99 Panels, Deduct	*-711.09*	
		For 100 To 199 Panels, Deduct	*-885.63*	
		For 200+ Panels, Deduct	*-1,019.94*	
09 78 23 00-0040	EA	1" Thick, Riverrock, 4' x 8' Varia Ecoresin Panel	8,866.96	919.40
		For 6 To 14 Panels, Deduct	*-328.42*	
		For 15 To 29 Panels, Deduct	*-656.84*	
		For 30 To 59 Panels, Deduct	*-845.68*	
		For 60 To 99 Panels, Deduct	*-1,100.19*	
		For 100 To 199 Panels, Deduct	*-1,354.71*	
		For 200+ Panels, Deduct	*-1,543.54*	
09 78 23 00-0041	EA	3/8" Thick, Strata, 4' x 8' Varia Ecoresin Panel	5,493.88	833.21
		For 6 To 14 Panels, Deduct	*-170.54*	
		For 15 To 29 Panels, Deduct	*-341.09*	
		For 30 To 59 Panels, Deduct	*-461.38*	
		For 60 To 99 Panels, Deduct	*-615.78*	
		For 100 To 199 Panels, Deduct	*-770.18*	
		For 200+ Panels, Deduct	*-890.47*	
09 78 23 00-0042	EA	3/8" Thick, Timber, 4' x 8' Varia Ecoresin Panel	5,665.98	833.21
		For 6 To 14 Panels, Deduct	*-179.15*	
		For 15 To 29 Panels, Deduct	*-358.30*	
		For 30 To 59 Panels, Deduct	*-482.03*	
		For 60 To 99 Panels, Deduct	*-641.59*	
		For 100 To 199 Panels, Deduct	*-801.16*	
		For 200+ Panels, Deduct	*-924.89*	
09 78 23 00-0043	EA	1/8" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	4,687.28	747.01
		For 6 To 14 Panels, Deduct	*-140.99*	
		For 15 To 29 Panels, Deduct	*-281.97*	
		For 30 To 59 Panels, Deduct	*-385.06*	
		For 60 To 99 Panels, Deduct	*-516.34*	
		For 100 To 199 Panels, Deduct	*-647.62*	
		For 200+ Panels, Deduct	*-750.70*	
09 78 23 00-0044	EA	3/16" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	4,894.91	775.75
		For 6 To 14 Panels, Deduct	*-147.78*	
		For 15 To 29 Panels, Deduct	*-295.55*	
		For 30 To 59 Panels, Deduct	*-403.15*	
		For 60 To 99 Panels, Deduct	*-540.30*	
		For 100 To 199 Panels, Deduct	*-677.45*	
		For 200+ Panels, Deduct	*-785.05*	
09 78 23 00-0045	EA	1/4" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	5,094.54	804.48
		For 6 To 14 Panels, Deduct	*-154.17*	
		For 15 To 29 Panels, Deduct	*-308.33*	
		For 30 To 59 Panels, Deduct	*-420.28*	
		For 60 To 99 Panels, Deduct	*-563.06*	
		For 100 To 199 Panels, Deduct	*-705.84*	
		For 200+ Panels, Deduct	*-817.79*	
09 78 23 00-0046	EA	3/8" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	5,433.61	833.21
		For 6 To 14 Panels, Deduct	*-167.53*	
		For 15 To 29 Panels, Deduct	*-335.06*	
		For 30 To 59 Panels, Deduct	*-454.15*	
		For 60 To 99 Panels, Deduct	*-606.74*	
		For 100 To 199 Panels, Deduct	*-759.33*	
		For 200+ Panels, Deduct	*-878.42*	
09 78 23 00-0047	EA	1/2" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	5,774.84	861.95
		For 6 To 14 Panels, Deduct	*-181.00*	
		For 15 To 29 Panels, Deduct	*-362.00*	
		For 30 To 59 Panels, Deduct	*-488.27*	
		For 60 To 99 Panels, Deduct	*-650.74*	
		For 100 To 199 Panels, Deduct	*-813.21*	
		For 200+ Panels, Deduct	*-939.48*	
09 78 23 00-0048	EA	3/4" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	7,423.20	890.68
		For 6 To 14 Panels, Deduct	*-259.83*	
		For 15 To 29 Panels, Deduct	*-519.65*	
		For 30 To 59 Panels, Deduct	*-679.25*	
		For 60 To 99 Panels, Deduct	*-890.81*	
		For 100 To 199 Panels, Deduct	*-1,102.37*	
		For 200+ Panels, Deduct	*-1,261.97*	
09 78 23 00-0049	EA	1" Thick, Rosewood, 4' x 8' Varia Ecoresin Panel	8,417.28	919.40
		For 6 To 14 Panels, Deduct	*-305.94*	
		For 15 To 29 Panels, Deduct	*-611.88*	
		For 30 To 59 Panels, Deduct	*-791.71*	
		For 60 To 99 Panels, Deduct	*-1,032.74*	
		For 100 To 199 Panels, Deduct	*-1,273.77*	
		For 200+ Panels, Deduct	*-1,453.60*	
09 78 23 00-0050	EA	1/8" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	4,483.23	747.01
		For 6 To 14 Panels, Deduct	*-130.78*	
		For 15 To 29 Panels, Deduct	*-261.57*	
		For 30 To 59 Panels, Deduct	*-360.57*	
		For 60 To 99 Panels, Deduct	*-485.73*	
		For 100 To 199 Panels, Deduct	*-610.89*	
		For 200+ Panels, Deduct	*-709.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0051	EA	3/16" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	4,690.85	775.75
		For 6 To 14 Panels, Deduct	*-137.57*	
		For 15 To 29 Panels, Deduct	*-275.15*	
		For 30 To 59 Panels, Deduct	*-378.66*	
		For 60 To 99 Panels, Deduct	*-509.69*	
		For 100 To 199 Panels, Deduct	*-640.72*	
		For 200+ Panels, Deduct	*-744.23*	
09 78 23 00-0052	EA	1/4" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	4,891.21	804.48
		For 6 To 14 Panels, Deduct	*-144.00*	
		For 15 To 29 Panels, Deduct	*-288.00*	
		For 30 To 59 Panels, Deduct	*-395.88*	
		For 60 To 99 Panels, Deduct	*-532.56*	
		For 100 To 199 Panels, Deduct	*-669.24*	
		For 200+ Panels, Deduct	*-777.12*	
09 78 23 00-0053	EA	3/8" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	5,230.28	833.21
		For 6 To 14 Panels, Deduct	*-157.36*	
		For 15 To 29 Panels, Deduct	*-314.73*	
		For 30 To 59 Panels, Deduct	*-429.75*	
		For 60 To 99 Panels, Deduct	*-576.24*	
		For 100 To 199 Panels, Deduct	*-722.73*	
		For 200+ Panels, Deduct	*-837.75*	
09 78 23 00-0054	EA	1/2" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	5,571.51	861.95
		For 6 To 14 Panels, Deduct	*-170.83*	
		For 15 To 29 Panels, Deduct	*-341.67*	
		For 30 To 59 Panels, Deduct	*-463.87*	
		For 60 To 99 Panels, Deduct	*-620.24*	
		For 100 To 199 Panels, Deduct	*-776.61*	
		For 200+ Panels, Deduct	*-898.82*	
09 78 23 00-0055	EA	3/4" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	7,168.31	890.68
		For 6 To 14 Panels, Deduct	*-247.08*	
		For 15 To 29 Panels, Deduct	*-494.16*	
		For 30 To 59 Panels, Deduct	*-648.66*	
		For 60 To 99 Panels, Deduct	*-852.58*	
		For 100 To 199 Panels, Deduct	*-1,056.49*	
		For 200+ Panels, Deduct	*-1,210.99*	
09 78 23 00-0056	EA	1" Thick, Walnut Solid, 4' x 8' Varia Ecoresin Panel	8,153.68	919.40
		For 6 To 14 Panels, Deduct	*-292.76*	
		For 15 To 29 Panels, Deduct	*-585.52*	
		For 30 To 59 Panels, Deduct	*-760.08*	
		For 60 To 99 Panels, Deduct	*-993.20*	
		For 100 To 199 Panels, Deduct	*-1,226.32*	
		For 200+ Panels, Deduct	*-1,400.88*	
09 78 23 00-0057	EA	1/8" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	4,483.23	747.01
		For 6 To 14 Panels, Deduct	*-130.78*	
		For 15 To 29 Panels, Deduct	*-261.57*	
		For 30 To 59 Panels, Deduct	*-360.57*	
		For 60 To 99 Panels, Deduct	*-485.73*	
		For 100 To 199 Panels, Deduct	*-610.89*	
		For 200+ Panels, Deduct	*-709.89*	
09 78 23 00-0058	EA	3/16" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	4,690.85	775.75
		For 6 To 14 Panels, Deduct	*-137.57*	
		For 15 To 29 Panels, Deduct	*-275.15*	
		For 30 To 59 Panels, Deduct	*-378.66*	
		For 60 To 99 Panels, Deduct	*-509.69*	
		For 100 To 199 Panels, Deduct	*-640.72*	
		For 200+ Panels, Deduct	*-744.23*	
09 78 23 00-0059	EA	1/4" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	4,891.21	804.48
		For 6 To 14 Panels, Deduct	*-144.00*	
		For 15 To 29 Panels, Deduct	*-288.00*	
		For 30 To 59 Panels, Deduct	*-395.88*	
		For 60 To 99 Panels, Deduct	*-532.56*	
		For 100 To 199 Panels, Deduct	*-669.24*	
		For 200+ Panels, Deduct	*-777.12*	
09 78 23 00-0060	EA	3/8" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	5,230.28	833.21
		For 6 To 14 Panels, Deduct	*-157.36*	
		For 15 To 29 Panels, Deduct	*-314.73*	
		For 30 To 59 Panels, Deduct	*-429.75*	
		For 60 To 99 Panels, Deduct	*-576.24*	
		For 100 To 199 Panels, Deduct	*-722.73*	
		For 200+ Panels, Deduct	*-837.75*	
09 78 23 00-0061	EA	1/2" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	5,571.51	861.95
		For 6 To 14 Panels, Deduct	*-170.83*	
		For 15 To 29 Panels, Deduct	*-341.67*	
		For 30 To 59 Panels, Deduct	*-463.87*	
		For 60 To 99 Panels, Deduct	*-620.24*	
		For 100 To 199 Panels, Deduct	*-776.61*	
		For 200+ Panels, Deduct	*-898.82*	
09 78 23 00-0062	EA	3/4" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	7,168.31	890.68
		For 6 To 14 Panels, Deduct	*-247.08*	
		For 15 To 29 Panels, Deduct	*-494.16*	
		For 30 To 59 Panels, Deduct	*-648.66*	
		For 60 To 99 Panels, Deduct	*-852.58*	
		For 100 To 199 Panels, Deduct	*-1,056.49*	
		For 200+ Panels, Deduct	*-1,210.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0063	EA	1" Thick, White Oak, 4' x 8' Varia Ecoresin Panel	8,153.68	919.40
		For 6 To 14 Panels, Deduct	*-292.76*	
		For 15 To 29 Panels, Deduct	*-585.52*	
		For 30 To 59 Panels, Deduct	*-760.08*	
		For 60 To 99 Panels, Deduct	*-993.20*	
		For 100 To 199 Panels, Deduct	*-1,226.32*	
		For 200+ Panels, Deduct	*-1,400.88*	
09 78 23 00-0064	EA	1/8" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	5,551.43	747.01
		For 6 To 14 Panels, Deduct	*-184.19*	
		For 15 To 29 Panels, Deduct	*-368.39*	
		For 30 To 59 Panels, Deduct	*-488.76*	
		For 60 To 99 Panels, Deduct	*-645.96*	
		For 100 To 199 Panels, Deduct	*-803.17*	
		For 200+ Panels, Deduct	*-923.53*	
09 78 23 00-0065	EA	3/16" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	5,758.33	775.75
		For 6 To 14 Panels, Deduct	*-190.95*	
		For 15 To 29 Panels, Deduct	*-381.90*	
		For 30 To 59 Panels, Deduct	*-506.76*	
		For 60 To 99 Panels, Deduct	*-669.81*	
		For 100 To 199 Panels, Deduct	*-832.87*	
		For 200+ Panels, Deduct	*-957.73*	
09 78 23 00-0066	EA	1/4" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	5,957.97	804.48
		For 6 To 14 Panels, Deduct	*-197.34*	
		For 15 To 29 Panels, Deduct	*-394.68*	
		For 30 To 59 Panels, Deduct	*-523.89*	
		For 60 To 99 Panels, Deduct	*-692.58*	
		For 100 To 199 Panels, Deduct	*-861.26*	
		For 200+ Panels, Deduct	*-990.47*	
09 78 23 00-0067	EA	3/8" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	6,298.48	833.21
		For 6 To 14 Panels, Deduct	*-210.77*	
		For 15 To 29 Panels, Deduct	*-421.55*	
		For 30 To 59 Panels, Deduct	*-557.93*	
		For 60 To 99 Panels, Deduct	*-736.47*	
		For 100 To 199 Panels, Deduct	*-915.01*	
		For 200+ Panels, Deduct	*-1,051.39*	
09 78 23 00-0068	EA	1/2" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	6,638.99	861.95
		For 6 To 14 Panels, Deduct	*-224.21*	
		For 15 To 29 Panels, Deduct	*-448.41*	
		For 30 To 59 Panels, Deduct	*-591.97*	
		For 60 To 99 Panels, Deduct	*-780.36*	
		For 100 To 199 Panels, Deduct	*-968.76*	
		For 200+ Panels, Deduct	*-1,112.31*	
09 78 23 00-0069	EA	3/4" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	8,502.29	890.68
		For 6 To 14 Panels, Deduct	*-313.78*	
		For 15 To 29 Panels, Deduct	*-627.56*	
		For 30 To 59 Panels, Deduct	*-808.74*	
		For 60 To 99 Panels, Deduct	*-1,052.68*	
		For 100 To 199 Panels, Deduct	*-1,296.61*	
		For 200+ Panels, Deduct	*-1,477.79*	
09 78 23 00-0070	EA	1" Thick, Zebrano Chevron, 4' x 8' Varia Ecoresin Panel	9,540.67	919.40
		For 6 To 14 Panels, Deduct	*-362.11*	
		For 15 To 29 Panels, Deduct	*-724.22*	
		For 30 To 59 Panels, Deduct	*-926.52*	
		For 60 To 99 Panels, Deduct	*-1,201.25*	
		For 100 To 199 Panels, Deduct	*-1,475.98*	
		For 200+ Panels, Deduct	*-1,678.28*	
09 78 23 00-0071	EA	1/8" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	3,994.51	747.01
		For 6 To 14 Panels, Deduct	*-106.35*	
		For 15 To 29 Panels, Deduct	*-212.70*	
		For 30 To 59 Panels, Deduct	*-301.92*	
		For 60 To 99 Panels, Deduct	*-412.42*	
		For 100 To 199 Panels, Deduct	*-522.92*	
		For 200+ Panels, Deduct	*-612.15*	
09 78 23 00-0072	EA	3/16" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	4,203.59	775.75
		For 6 To 14 Panels, Deduct	*-113.21*	
		For 15 To 29 Panels, Deduct	*-226.42*	
		For 30 To 59 Panels, Deduct	*-320.19*	
		For 60 To 99 Panels, Deduct	*-436.60*	
		For 100 To 199 Panels, Deduct	*-553.01*	
		For 200+ Panels, Deduct	*-646.78*	
09 78 23 00-0073	EA	1/4" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	4,402.50	804.48
		For 6 To 14 Panels, Deduct	*-119.57*	
		For 15 To 29 Panels, Deduct	*-239.13*	
		For 30 To 59 Panels, Deduct	*-337.24*	
		For 60 To 99 Panels, Deduct	*-459.26*	
		For 100 To 199 Panels, Deduct	*-581.27*	
		For 200+ Panels, Deduct	*-679.38*	
09 78 23 00-0074	EA	3/8" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	4,743.01	833.21
		For 6 To 14 Panels, Deduct	*-133.00*	
		For 15 To 29 Panels, Deduct	*-266.00*	
		For 30 To 59 Panels, Deduct	*-371.27*	
		For 60 To 99 Panels, Deduct	*-503.15*	
		For 100 To 199 Panels, Deduct	*-635.02*	
		For 200+ Panels, Deduct	*-740.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0075	EA	1/2" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	5,663.55	861.95
		For 6 To 14 Panels, Deduct	*-175.44*	
		For 15 To 29 Panels, Deduct	*-350.87*	
		For 30 To 59 Panels, Deduct	*-474.92*	
		For 60 To 99 Panels, Deduct	*-634.05*	
		For 100 To 199 Panels, Deduct	*-793.18*	
		For 200+ Panels, Deduct	*-917.23*	
09 78 23 00-0076	EA	3/4" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	7,078.26	890.68
		For 6 To 14 Panels, Deduct	*-242.58*	
		For 15 To 29 Panels, Deduct	*-485.16*	
		For 30 To 59 Panels, Deduct	*-637.86*	
		For 60 To 99 Panels, Deduct	*-839.07*	
		For 100 To 199 Panels, Deduct	*-1,040.29*	
		For 200+ Panels, Deduct	*-1,192.98*	
09 78 23 00-0077	EA	1" Thick, Non-Embossed Dichroic, 4' x 8' Varia Ecoresin Panel	8,321.42	919.40
		For 6 To 14 Panels, Deduct	*-301.15*	
		For 15 To 29 Panels, Deduct	*-602.29*	
		For 30 To 59 Panels, Deduct	*-780.21*	
		For 60 To 99 Panels, Deduct	*-1,018.36*	
		For 100 To 199 Panels, Deduct	*-1,256.51*	
		For 200+ Panels, Deduct	*-1,434.43*	
09 78 23 00-0078	EA	3/8" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	8,074.35	833.21
		For 6 To 14 Panels, Deduct	*-299.57*	
		For 15 To 29 Panels, Deduct	*-599.13*	
		For 30 To 59 Panels, Deduct	*-771.03*	
		For 60 To 99 Panels, Deduct	*-1,002.85*	
		For 100 To 199 Panels, Deduct	*-1,234.66*	
		For 200+ Panels, Deduct	*-1,406.57*	
09 78 23 00-0079	EA	1/2" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	8,066.65	861.95
		For 6 To 14 Panels, Deduct	*-295.59*	
		For 15 To 29 Panels, Deduct	*-591.18*	
		For 30 To 59 Panels, Deduct	*-763.29*	
		For 60 To 99 Panels, Deduct	*-994.51*	
		For 100 To 199 Panels, Deduct	*-1,225.74*	
		For 200+ Panels, Deduct	*-1,397.85*	
09 78 23 00-0080	EA	3/4" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	8,959.06	890.68
		For 6 To 14 Panels, Deduct	*-336.62*	
		For 15 To 29 Panels, Deduct	*-673.24*	
		For 30 To 59 Panels, Deduct	*-863.55*	
		For 60 To 99 Panels, Deduct	*-1,121.19*	
		For 100 To 199 Panels, Deduct	*-1,378.83*	
		For 200+ Panels, Deduct	*-1,569.14*	
09 78 23 00-0081	EA	1" Thick, Texture Dichroic, 4' x 8' Varia Ecoresin Panel	9,852.20	919.40
		For 6 To 14 Panels, Deduct	*-377.68*	
		For 15 To 29 Panels, Deduct	*-755.37*	
		For 30 To 59 Panels, Deduct	*-963.90*	
		For 60 To 99 Panels, Deduct	*-1,247.98*	
		For 100 To 199 Panels, Deduct	*-1,532.05*	
		For 200+ Panels, Deduct	*-1,740.59*	
09 78 23 00-0082	EA	3/8" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	7,901.47	833.21
		For 6 To 14 Panels, Deduct	*-290.92*	
		For 15 To 29 Panels, Deduct	*-581.84*	
		For 30 To 59 Panels, Deduct	*-750.29*	
		For 60 To 99 Panels, Deduct	*-976.92*	
		For 100 To 199 Panels, Deduct	*-1,203.55*	
		For 200+ Panels, Deduct	*-1,371.99*	
09 78 23 00-0083	EA	1/2" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	8,302.25	861.95
		For 6 To 14 Panels, Deduct	*-307.37*	
		For 15 To 29 Panels, Deduct	*-614.74*	
		For 30 To 59 Panels, Deduct	*-791.56*	
		For 60 To 99 Panels, Deduct	*-1,029.85*	
		For 100 To 199 Panels, Deduct	*-1,268.15*	
		For 200+ Panels, Deduct	*-1,444.97*	
09 78 23 00-0084	EA	3/4" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	9,194.66	890.68
		For 6 To 14 Panels, Deduct	*-348.40*	
		For 15 To 29 Panels, Deduct	*-696.80*	
		For 30 To 59 Panels, Deduct	*-891.82*	
		For 60 To 99 Panels, Deduct	*-1,156.53*	
		For 100 To 199 Panels, Deduct	*-1,421.24*	
		For 200+ Panels, Deduct	*-1,616.26*	
09 78 23 00-0085	EA	1" Thick, Dichroic Iced, 4' x 8' Varia Ecoresin Panel	10,087.80	919.40
		For 6 To 14 Panels, Deduct	*-389.46*	
		For 15 To 29 Panels, Deduct	*-778.93*	
		For 30 To 59 Panels, Deduct	*-992.18*	
		For 60 To 99 Panels, Deduct	*-1,283.32*	
		For 100 To 199 Panels, Deduct	*-1,574.46*	
		For 200+ Panels, Deduct	*-1,787.71*	

09 78 23 00-0086 4' x 8' Varia Ecoresin Options *(09 78 23 00-0002)*

09 78 23 00-0087	EA	Varia Ecoresin XT (UV Protection) For 4' x 8' Panels, Both Sides Note: 1/8" is the minimum gauge when using UV	269.98
09 78 23 00-0088	EA	Premium Colors For 4' x 8' Panels, Per Layer Note: Includes Pure Copper, Pure Gold, Pure Silver, Spun Gold, Spun Silver	282.23
09 78 23 00-0089	EA	Vision Plus Finish For 4' x 8' Panels, Per Side	618.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0090	EA	Premium Finish For 4' x 8' Panels, Per Side Note: Includes Liquid/Applied Finishes, Markerboard/Patina Plus, SFX Frost	309.24	
09 78 23 00-0091	EA	Adding Woven/C3 To Non-Organic/Non-Play For 4' x 8' Panels, Per Additional Layer	85.89	
09 78 23 00-0092	EA	Adding Woven/C3 To Organic/Play For 4' x 8' Panels, Per Additional Layer	294.51	
09 78 23 00-0093	EA	Adding 4th Or 5th Layer Of C3 For 4' x 8' Panels Note: pays for both 4th and 5th layer	245.42	
09 78 23 00-0094	SF	C3 Centered For 4' x 8' Panels, Additional Per SF Note: Add to Price Group B, only 1/2" and below	3.56	
09 78 23 00-0095	EA	Custom Screen Prints One Time Set-up Charge For 4' x 8' Panels Note: Per color/pattern - add Price Group B for each sheet	1,840.70	
09 78 23 00-0096	SF	HighRes Imagery Or Graphic Mirror 1 To 5 sheets For 4' x 8' Panels, Additional Per SF	52.94	
09 78 23 00-0097	SF	HighRes Imagery Or Graphic Mirror >5 to 14 Sheets For 4' x 8' Panels, Additional Per SF	52.01	
09 78 23 00-0098	SF	HighRes Imagery or Graphic Mirror >14 Sheets For 4' x 8' Panels, Additional Per SF	50.76	
09 78 23 00-0099	EA	Custom Color Fossil Leaf For 4' x 8' Panels, Additional Per Sheet Note: Adds additional 3 weeks to lead time	113.46	

09 78 23 00-0100 4' x 10' Varia Ecoresin Panels And Accessories *(09 78 23 00-0001)*

09 78 23 00-0101 4' x 10' Varia Ecoresin Panels *(09 78 23 00-0100)*

09 78 23 00-0102	EA	1/16" Thick, Group A, 4' x 10' Varia Ecoresin Panel	2,841.41	718.28
		For 6 To 14 Panels, Deduct	*-52.28*	
		For 15 To 29 Panels, Deduct	*-104.57*	
		For 30 To 59 Panels, Deduct	*-170.38*	
		For 60 To 99 Panels, Deduct	*-246.64*	
		For 100 To 199 Panels, Deduct	*-322.90*	
		For 200+ Panels, Deduct	*-388.71*	
09 78 23 00-0103	EA	1/8" Thick, Group A, 4' x 10' Varia Ecoresin Panel	3,263.61	747.01
		For 6 To 14 Panels, Deduct	*-69.80*	
		For 15 To 29 Panels, Deduct	*-139.61*	
		For 30 To 59 Panels, Deduct	*-214.22*	
		For 60 To 99 Panels, Deduct	*-302.79*	
		For 100 To 199 Panels, Deduct	*-391.36*	
		For 200+ Panels, Deduct	*-465.97*	
09 78 23 00-0104	EA	3/16" Thick, Group A, 4' x 10' Varia Ecoresin Panel	3,686.73	775.75
		For 6 To 14 Panels, Deduct	*-87.37*	
		For 15 To 29 Panels, Deduct	*-174.74*	
		For 30 To 59 Panels, Deduct	*-258.17*	
		For 60 To 99 Panels, Deduct	*-359.07*	
		For 100 To 199 Panels, Deduct	*-459.98*	
		For 200+ Panels, Deduct	*-543.41*	
09 78 23 00-0105	EA	1/4" Thick, Group A, 4' x 10' Varia Ecoresin Panel	3,933.75	804.48
		For 6 To 14 Panels, Deduct	*-96.13*	
		For 15 To 29 Panels, Deduct	*-192.26*	
		For 30 To 59 Panels, Deduct	*-280.99*	
		For 60 To 99 Panels, Deduct	*-388.94*	
		For 100 To 199 Panels, Deduct	*-496.90*	
		For 200+ Panels, Deduct	*-585.63*	
09 78 23 00-0106	EA	3/8" Thick, Group A, 4' x 10' Varia Ecoresin Panel	4,805.28	833.21
		For 6 To 14 Panels, Deduct	*-136.11*	
		For 15 To 29 Panels, Deduct	*-272.23*	
		For 30 To 59 Panels, Deduct	*-378.75*	
		For 60 To 99 Panels, Deduct	*-512.49*	
		For 100 To 199 Panels, Deduct	*-646.23*	
		For 200+ Panels, Deduct	*-752.75*	
09 78 23 00-0107	EA	1/2" Thick, Group A, 4' x 10' Varia Ecoresin Panel	5,579.68	861.95
		For 6 To 14 Panels, Deduct	*-171.24*	
		For 15 To 29 Panels, Deduct	*-342.48*	
		For 30 To 59 Panels, Deduct	*-464.85*	
		For 60 To 99 Panels, Deduct	*-621.47*	
		For 100 To 199 Panels, Deduct	*-778.08*	
		For 200+ Panels, Deduct	*-900.45*	
09 78 23 00-0108	EA	3/4" Thick, Group A, 4' x 10' Varia Ecoresin Panel	7,934.42	890.68
		For 6 To 14 Panels, Deduct	*-285.39*	
		For 15 To 29 Panels, Deduct	*-570.77*	
		For 30 To 59 Panels, Deduct	*-740.60*	
		For 60 To 99 Panels, Deduct	*-967.50*	
		For 100 To 199 Panels, Deduct	*-1,194.39*	
		For 200+ Panels, Deduct	*-1,364.22*	
09 78 23 00-0109	EA	1" Thick, Group A, 4' x 10' Varia Ecoresin Panel	9,280.70	919.40
		For 6 To 14 Panels, Deduct	*-349.11*	
		For 15 To 29 Panels, Deduct	*-698.22*	
		For 30 To 59 Panels, Deduct	*-895.32*	
		For 60 To 99 Panels, Deduct	*-1,162.25*	
		For 100 To 199 Panels, Deduct	*-1,429.18*	
		For 200+ Panels, Deduct	*-1,626.29*	
09 78 23 00-0110	EA	1/16" Thick, Group B, 4' x 10' Varia Ecoresin Panel	3,153.67	718.28
		For 6 To 14 Panels, Deduct	*-67.90*	
		For 15 To 29 Panels, Deduct	*-135.80*	
		For 30 To 59 Panels, Deduct	*-207.85*	
		For 60 To 99 Panels, Deduct	*-293.48*	
		For 100 To 199 Panels, Deduct	*-379.11*	
		For 200+ Panels, Deduct	*-451.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0111	EA	1/8" Thick, Group B, 4' x 10' Varia Ecoresin Panel	3,565.88	747.01
		For 6 To 14 Panels, Deduct	*-84.92*	
		For 15 To 29 Panels, Deduct	*-169.83*	
		For 30 To 59 Panels, Deduct	*-250.49*	
		For 60 To 99 Panels, Deduct	*-348.13*	
		For 100 To 199 Panels, Deduct	*-445.77*	
		For 200+ Panels, Deduct	*-526.42*	
09 78 23 00-0112	EA	3/16" Thick, Group B, 4' x 10' Varia Ecoresin Panel	3,979.92	775.75
		For 6 To 14 Panels, Deduct	*-102.03*	
		For 15 To 29 Panels, Deduct	*-204.06*	
		For 30 To 59 Panels, Deduct	*-293.35*	
		For 60 To 99 Panels, Deduct	*-403.05*	
		For 100 To 199 Panels, Deduct	*-512.75*	
		For 200+ Panels, Deduct	*-602.05*	
09 78 23 00-0113	EA	1/4" Thick, Group B, 4' x 10' Varia Ecoresin Panel	4,316.81	804.48
		For 6 To 14 Panels, Deduct	*-115.28*	
		For 15 To 29 Panels, Deduct	*-230.56*	
		For 30 To 59 Panels, Deduct	*-326.95*	
		For 60 To 99 Panels, Deduct	*-446.40*	
		For 100 To 199 Panels, Deduct	*-565.85*	
		For 200+ Panels, Deduct	*-662.24*	
09 78 23 00-0114	EA	3/8" Thick, Group B, 4' x 10' Varia Ecoresin Panel	5,114.81	833.21
		For 6 To 14 Panels, Deduct	*-151.59*	
		For 15 To 29 Panels, Deduct	*-303.18*	
		For 30 To 59 Panels, Deduct	*-415.89*	
		For 60 To 99 Panels, Deduct	*-558.92*	
		For 100 To 199 Panels, Deduct	*-701.95*	
		For 200+ Panels, Deduct	*-814.66*	
09 78 23 00-0115	EA	1/2" Thick, Group B, 4' x 10' Varia Ecoresin Panel	5,997.23	861.95
		For 6 To 14 Panels, Deduct	*-192.12*	
		For 15 To 29 Panels, Deduct	*-384.24*	
		For 30 To 59 Panels, Deduct	*-514.96*	
		For 60 To 99 Panels, Deduct	*-684.10*	
		For 100 To 199 Panels, Deduct	*-853.24*	
		For 200+ Panels, Deduct	*-983.96*	
09 78 23 00-0116	EA	3/4" Thick, Group B, 4' x 10' Varia Ecoresin Panel	8,160.45	890.68
		For 6 To 14 Panels, Deduct	*-296.69*	
		For 15 To 29 Panels, Deduct	*-593.38*	
		For 30 To 59 Panels, Deduct	*-767.72*	
		For 60 To 99 Panels, Deduct	*-1,001.40*	
		For 100 To 199 Panels, Deduct	*-1,235.08*	
		For 200+ Panels, Deduct	*-1,409.42*	
09 78 23 00-0117	EA	1" Thick, Group B, 4' x 10' Varia Ecoresin Panel	9,556.65	919.40
		For 6 To 14 Panels, Deduct	*-362.91*	
		For 15 To 29 Panels, Deduct	*-725.81*	
		For 30 To 59 Panels, Deduct	*-928.44*	
		For 60 To 99 Panels, Deduct	*-1,203.65*	
		For 100 To 199 Panels, Deduct	*-1,478.85*	
		For 200+ Panels, Deduct	*-1,681.48*	
09 78 23 00-0118	EA	1/16" Thick, Group C, 4' x 10' Varia Ecoresin Panel	3,543.08	718.28
		For 6 To 14 Panels, Deduct	*-87.37*	
		For 15 To 29 Panels, Deduct	*-174.74*	
		For 30 To 59 Panels, Deduct	*-254.58*	
		For 60 To 99 Panels, Deduct	*-351.89*	
		For 100 To 199 Panels, Deduct	*-449.20*	
		For 200+ Panels, Deduct	*-529.04*	
09 78 23 00-0119	EA	1/8" Thick, Group C, 4' x 10' Varia Ecoresin Panel	4,064.22	747.01
		For 6 To 14 Panels, Deduct	*-109.83*	
		For 15 To 29 Panels, Deduct	*-219.67*	
		For 30 To 59 Panels, Deduct	*-310.29*	
		For 60 To 99 Panels, Deduct	*-422.88*	
		For 100 To 199 Panels, Deduct	*-535.47*	
		For 200+ Panels, Deduct	*-626.09*	
09 78 23 00-0120	EA	3/16" Thick, Group C, 4' x 10' Varia Ecoresin Panel	4,442.86	775.75
		For 6 To 14 Panels, Deduct	*-125.17*	
		For 15 To 29 Panels, Deduct	*-250.35*	
		For 30 To 59 Panels, Deduct	*-348.90*	
		For 60 To 99 Panels, Deduct	*-472.49*	
		For 100 To 199 Panels, Deduct	*-596.08*	
		For 200+ Panels, Deduct	*-694.64*	
09 78 23 00-0121	EA	1/4" Thick, Group C, 4' x 10' Varia Ecoresin Panel	4,777.93	804.48
		For 6 To 14 Panels, Deduct	*-138.34*	
		For 15 To 29 Panels, Deduct	*-276.67*	
		For 30 To 59 Panels, Deduct	*-382.29*	
		For 60 To 99 Panels, Deduct	*-515.57*	
		For 100 To 199 Panels, Deduct	*-648.85*	
		For 200+ Panels, Deduct	*-754.47*	
09 78 23 00-0122	EA	3/8" Thick, Group C, 4' x 10' Varia Ecoresin Panel	5,507.86	833.21
		For 6 To 14 Panels, Deduct	*-171.24*	
		For 15 To 29 Panels, Deduct	*-342.48*	
		For 30 To 59 Panels, Deduct	*-463.06*	
		For 60 To 99 Panels, Deduct	*-617.88*	
		For 100 To 199 Panels, Deduct	*-772.70*	
		For 200+ Panels, Deduct	*-893.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0123	EA	1/2" Thick, Group C, 4' x 10' Varia Ecoresin Panel	6,503.74	861.95
		For 6 To 14 Panels, Deduct	*-217.44*	
		For 15 To 29 Panels, Deduct	*-434.89*	
		For 30 To 59 Panels, Deduct	*-575.74*	
		For 60 To 99 Panels, Deduct	*-760.08*	
		For 100 To 199 Panels, Deduct	*-944.41*	
		For 200+ Panels, Deduct	*-1,085.26*	
09 78 23 00-0124	EA	3/4" Thick, Group C, 4' x 10' Varia Ecoresin Panel	8,725.96	890.68
		For 6 To 14 Panels, Deduct	*-324.96*	
		For 15 To 29 Panels, Deduct	*-649.93*	
		For 30 To 59 Panels, Deduct	*-835.58*	
		For 60 To 99 Panels, Deduct	*-1,086.23*	
		For 100 To 199 Panels, Deduct	*-1,336.87*	
		For 200+ Panels, Deduct	*-1,522.52*	
09 78 23 00-0125	EA	1" Thick, Group C, 4' x 10' Varia Ecoresin Panel	10,072.23	919.40
		For 6 To 14 Panels, Deduct	*-388.69*	
		For 15 To 29 Panels, Deduct	*-777.37*	
		For 30 To 59 Panels, Deduct	*-990.31*	
		For 60 To 99 Panels, Deduct	*-1,280.98*	
		For 100 To 199 Panels, Deduct	*-1,571.66*	
		For 200+ Panels, Deduct	*-1,784.59*	
09 78 23 00-0126	EA	1/16" Thick, Group D, 4' x 10' Varia Ecoresin Panel	3,798.15	718.28
		For 6 To 14 Panels, Deduct	*-100.12*	
		For 15 To 29 Panels, Deduct	*-200.24*	
		For 30 To 59 Panels, Deduct	*-285.18*	
		For 60 To 99 Panels, Deduct	*-390.15*	
		For 100 To 199 Panels, Deduct	*-495.12*	
		For 200+ Panels, Deduct	*-580.06*	
09 78 23 00-0127	EA	1/8" Thick, Group D, 4' x 10' Varia Ecoresin Panel	4,260.29	747.01
		For 6 To 14 Panels, Deduct	*-119.64*	
		For 15 To 29 Panels, Deduct	*-239.28*	
		For 30 To 59 Panels, Deduct	*-333.82*	
		For 60 To 99 Panels, Deduct	*-452.29*	
		For 100 To 199 Panels, Deduct	*-570.76*	
		For 200+ Panels, Deduct	*-665.30*	
09 78 23 00-0128	EA	3/16" Thick, Group D, 4' x 10' Varia Ecoresin Panel	4,707.01	775.75
		For 6 To 14 Panels, Deduct	*-138.38*	
		For 15 To 29 Panels, Deduct	*-276.76*	
		For 30 To 59 Panels, Deduct	*-380.60*	
		For 60 To 99 Panels, Deduct	*-512.11*	
		For 100 To 199 Panels, Deduct	*-643.63*	
		For 200+ Panels, Deduct	*-747.47*	
09 78 23 00-0129	EA	1/4" Thick, Group D, 4' x 10' Varia Ecoresin Panel	5,274.45	804.48
		For 6 To 14 Panels, Deduct	*-163.16*	
		For 15 To 29 Panels, Deduct	*-326.33*	
		For 30 To 59 Panels, Deduct	*-441.87*	
		For 60 To 99 Panels, Deduct	*-590.05*	
		For 100 To 199 Panels, Deduct	*-738.23*	
		For 200+ Panels, Deduct	*-853.77*	
09 78 23 00-0130	EA	3/8" Thick, Group D, 4' x 10' Varia Ecoresin Panel	5,868.22	833.21
		For 6 To 14 Panels, Deduct	*-189.26*	
		For 15 To 29 Panels, Deduct	*-378.52*	
		For 30 To 59 Panels, Deduct	*-506.30*	
		For 60 To 99 Panels, Deduct	*-671.93*	
		For 100 To 199 Panels, Deduct	*-837.56*	
		For 200+ Panels, Deduct	*-965.34*	
09 78 23 00-0131	EA	1/2" Thick, Group D, 4' x 10' Varia Ecoresin Panel	6,984.83	861.95
		For 6 To 14 Panels, Deduct	*-241.50*	
		For 15 To 29 Panels, Deduct	*-483.00*	
		For 30 To 59 Panels, Deduct	*-633.47*	
		For 60 To 99 Panels, Deduct	*-832.24*	
		For 100 To 199 Panels, Deduct	*-1,031.01*	
		For 200+ Panels, Deduct	*-1,181.48*	
09 78 23 00-0132	EA	3/4" Thick, Group D, 4' x 10' Varia Ecoresin Panel	9,144.41	890.68
		For 6 To 14 Panels, Deduct	*-345.89*	
		For 15 To 29 Panels, Deduct	*-691.77*	
		For 30 To 59 Panels, Deduct	*-885.79*	
		For 60 To 99 Panels, Deduct	*-1,148.99*	
		For 100 To 199 Panels, Deduct	*-1,412.19*	
		For 200+ Panels, Deduct	*-1,606.21*	
09 78 23 00-0133	EA	1" Thick, Group D, 4' x 10' Varia Ecoresin Panel	10,956.35	919.40
		For 6 To 14 Panels, Deduct	*-432.89*	
		For 15 To 29 Panels, Deduct	*-865.78*	
		For 30 To 59 Panels, Deduct	*-1,096.40*	
		For 60 To 99 Panels, Deduct	*-1,413.60*	
		For 100 To 199 Panels, Deduct	*-1,730.80*	
		For 200+ Panels, Deduct	*-1,961.42*	
09 78 23 00-0134	EA	1/8" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	4,924.74	747.01
		For 6 To 14 Panels, Deduct	*-152.86*	
		For 15 To 29 Panels, Deduct	*-305.72*	
		For 30 To 59 Panels, Deduct	*-413.55*	
		For 60 To 99 Panels, Deduct	*-551.96*	
		For 100 To 199 Panels, Deduct	*-690.36*	
		For 200+ Panels, Deduct	*-798.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0135	EA	3/16" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	5,194.45	775.75
		For 6 To 14 Panels, Deduct	*-162.75*	
		For 15 To 29 Panels, Deduct	*-325.51*	
		For 30 To 59 Panels, Deduct	*-439.09*	
		For 60 To 99 Panels, Deduct	*-585.23*	
		For 100 To 199 Panels, Deduct	*-731.37*	
		For 200+ Panels, Deduct	*-844.95*	
09 78 23 00-0136	EA	1/4" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	5,448.74	804.48
		For 6 To 14 Panels, Deduct	*-171.88*	
		For 15 To 29 Panels, Deduct	*-343.75*	
		For 30 To 59 Panels, Deduct	*-462.78*	
		For 60 To 99 Panels, Deduct	*-616.19*	
		For 100 To 199 Panels, Deduct	*-769.60*	
		For 200+ Panels, Deduct	*-888.63*	
09 78 23 00-0137	EA	3/8" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	5,906.35	833.21
		For 6 To 14 Panels, Deduct	*-191.17*	
		For 15 To 29 Panels, Deduct	*-382.33*	
		For 30 To 59 Panels, Deduct	*-510.87*	
		For 60 To 99 Panels, Deduct	*-677.65*	
		For 100 To 199 Panels, Deduct	*-844.42*	
		For 200+ Panels, Deduct	*-972.97*	
09 78 23 00-0138	EA	1/2" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	7,205.40	861.95
		For 6 To 14 Panels, Deduct	*-252.53*	
		For 15 To 29 Panels, Deduct	*-505.06*	
		For 30 To 59 Panels, Deduct	*-659.94*	
		For 60 To 99 Panels, Deduct	*-865.33*	
		For 100 To 199 Panels, Deduct	*-1,070.71*	
		For 200+ Panels, Deduct	*-1,225.60*	
09 78 23 00-0139	EA	3/4" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	9,200.69	890.68
		For 6 To 14 Panels, Deduct	*-348.70*	
		For 15 To 29 Panels, Deduct	*-697.40*	
		For 30 To 59 Panels, Deduct	*-892.55*	
		For 60 To 99 Panels, Deduct	*-1,157.44*	
		For 100 To 199 Panels, Deduct	*-1,422.32*	
		For 200+ Panels, Deduct	*-1,617.47*	
09 78 23 00-0140	EA	1" Thick, Non-Embossed Dichroic, 4' x 10' Varia Ecoresin Panel	10,956.35	919.40
		For 6 To 14 Panels, Deduct	*-432.89*	
		For 15 To 29 Panels, Deduct	*-865.78*	
		For 30 To 59 Panels, Deduct	*-1,096.40*	
		For 60 To 99 Panels, Deduct	*-1,413.60*	
		For 100 To 199 Panels, Deduct	*-1,730.80*	
		For 200+ Panels, Deduct	*-1,961.42*	
09 78 23 00-0141	EA	3/8" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	10,108.18	833.21
		For 6 To 14 Panels, Deduct	*-401.26*	
		For 15 To 29 Panels, Deduct	*-802.52*	
		For 30 To 59 Panels, Deduct	*-1,015.09*	
		For 60 To 99 Panels, Deduct	*-1,307.92*	
		For 100 To 199 Panels, Deduct	*-1,600.75*	
		For 200+ Panels, Deduct	*-1,813.33*	
09 78 23 00-0142	EA	1/2" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	10,652.92	861.95
		For 6 To 14 Panels, Deduct	*-424.90*	
		For 15 To 29 Panels, Deduct	*-849.81*	
		For 30 To 59 Panels, Deduct	*-1,073.64*	
		For 60 To 99 Panels, Deduct	*-1,382.45*	
		For 100 To 199 Panels, Deduct	*-1,691.27*	
		For 200+ Panels, Deduct	*-1,915.10*	
09 78 23 00-0143	EA	3/4" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	11,904.79	890.68
		For 6 To 14 Panels, Deduct	*-483.91*	
		For 15 To 29 Panels, Deduct	*-967.81*	
		For 30 To 59 Panels, Deduct	*-1,217.04*	
		For 60 To 99 Panels, Deduct	*-1,563.05*	
		For 100 To 199 Panels, Deduct	*-1,909.06*	
		For 200+ Panels, Deduct	*-2,158.29*	
09 78 23 00-0144	EA	1" Thick, Texture Dichroic, 4' x 10' Varia Ecoresin Panel	13,156.67	919.40
		For 6 To 14 Panels, Deduct	*-542.91*	
		For 15 To 29 Panels, Deduct	*-1,085.82*	
		For 30 To 59 Panels, Deduct	*-1,360.44*	
		For 60 To 99 Panels, Deduct	*-1,743.65*	
		For 100 To 199 Panels, Deduct	*-2,126.86*	
		For 200+ Panels, Deduct	*-2,401.48*	
09 78 23 00-0145	EA	3/8" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	10,446.76	833.21
		For 6 To 14 Panels, Deduct	*-418.19*	
		For 15 To 29 Panels, Deduct	*-836.37*	
		For 30 To 59 Panels, Deduct	*-1,055.72*	
		For 60 To 99 Panels, Deduct	*-1,358.71*	
		For 100 To 199 Panels, Deduct	*-1,661.70*	
		For 200+ Panels, Deduct	*-1,881.05*	
09 78 23 00-0146	EA	1/2" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	10,991.50	861.95
		For 6 To 14 Panels, Deduct	*-441.83*	
		For 15 To 29 Panels, Deduct	*-883.67*	
		For 30 To 59 Panels, Deduct	*-1,114.27*	
		For 60 To 99 Panels, Deduct	*-1,433.24*	
		For 100 To 199 Panels, Deduct	*-1,752.21*	
		For 200+ Panels, Deduct	*-1,982.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0147	EA	3/4" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	12,243.37	890.68
		For 6 To 14 Panels, Deduct	*-500.83*	
		For 15 To 29 Panels, Deduct	*-1,001.67*	
		For 30 To 59 Panels, Deduct	*-1,257.67*	
		For 60 To 99 Panels, Deduct	*-1,613.84*	
		For 100 To 199 Panels, Deduct	*-1,970.01*	
		For 200+ Panels, Deduct	*-2,226.01*	
09 78 23 00-0148	EA	1" Thick, Dichroic Iced, 4' x 10' Varia Ecoresin Panel	13,495.25	919.40
		For 6 To 14 Panels, Deduct	*-559.84*	
		For 15 To 29 Panels, Deduct	*-1,119.67*	
		For 30 To 59 Panels, Deduct	*-1,401.07*	
		For 60 To 99 Panels, Deduct	*-1,794.44*	
		For 100 To 199 Panels, Deduct	*-2,187.80*	
		For 200+ Panels, Deduct	*-2,469.20*	

09 78 23 00-0149 4' x 10' Varia Ecoresin Options *(09 78 23 00-0100)*

09 78 23 00-0150	EA	Varia Ecoresin XT (UV Protection) For 4' x 10' Panels, Both Sides Note: 1/8" is the minimum gauge when using UV	388.12
09 78 23 00-0151	EA	Premium Colors For 4' x 10' Panels, Per Layer Note: Includes Pure Copper, Pure Gold, Pure Silver, Spun Gold, Spun Silver	405.73
09 78 23 00-0152	EA	Vision Plus Finish For 4' x 10' Panels, Per Side	889.07
09 78 23 00-0153	EA	Premium Finish For 4' x 10' Panels, Per Side Note: Includes Liquid/Applied Finishes, Markerboard/Patina Plus, SFX Frost	444.53
09 78 23 00-0154	EA	Adding Woven/C3 To Non-Organic/Non-Play For 4' x 10' Panels, Per Additional Layer	123.47
09 78 23 00-0155	EA	Adding Woven/C3 To Organic/Play For 4' x 10' Panels, Per Additional Layer	423.36
09 78 23 00-0156	EA	Adding 4th Or 5th Layer of C3 For 4' x 10' Panels Note: pays for both 4th and 5th layer	352.79
09 78 23 00-0157	SF	C3 Centered For 4' x 10' Panels, Additional Per SF Note: Add to Price Group B, only 1/2" and below	4.11
09 78 23 00-0158	EA	Custom Screen Prints One Time Set-up Charge For 4' x 10' Panels Note: Per color/pattern - add Price Group B for each sheet	2,646.00
09 78 23 00-0159	SF	HighRes Imagery Or Graphic Mirror Up To 5 Sheets For 4' x 10' Panels, Additional Per SF	60.89
09 78 23 00-0160	SF	HighRes Imagery Or Graphic Mirror >5 To 14 Sheets For 4' x 10' Panels, Additional Per SF	59.82
09 78 23 00-0161	SF	HighRes Imagery Or Graphic Mirror >14 Sheets For 4' x 10' Panels, Additional Per SF	58.39
09 78 23 00-0162	EA	Custom Color Fossil Leaf For 4' x 10' Panels, Additional Per Sheet Note: Adds additional 3 weeks to lead time	130.48

09 78 23 00-0163 Varia Ecoresin Panels Cutting, Seaming And Edge Finishes *(09 78 23 00-0001)*

09 78 23 00-0164 Cutting *(09 78 23 00-0163)*

09 78 23 00-0165 Saw Cutting *(09 78 23 00-0164)*

09 78 23 00-0166	LF	Saw Cutting On <1/2" Thick Panels	1.52
09 78 23 00-0167	LF	Saw Cutting On 1/2" Thick Panels	1.91
09 78 23 00-0168	LF	Saw Cutting On >1/2" Thick Panels	3.05

09 78 23 00-0169 CNC Cutting *(09 78 23 00-0164)*

09 78 23 00-0170	HR	CNC Cutting Programming	161.57
09 78 23 00-0171	HR	CNC Cutting Modeling	237.82
09 78 23 00-0172	EA	CNC Cutting Set-up Per Order	163.39
09 78 23 00-0173	EA	CNC Cutting 1-5 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	237.82
09 78 23 00-0174	EA	CNC Cutting 1-5 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	286.84
09 78 23 00-0175	EA	CNC Cutting 1-5 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	381.24
09 78 23 00-0176	EA	CNC Cutting 6-25 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	190.62
09 78 23 00-0177	EA	CNC Cutting 6-25 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	237.82
09 78 23 00-0178	EA	CNC Cutting 6-25 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	334.04
09 78 23 00-0179	EA	CNC Cutting 26-100 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	161.57
09 78 23 00-0180	EA	CNC Cutting 26-100 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	210.59
09 78 23 00-0181	EA	CNC Cutting 26-100 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	286.84
09 78 23 00-0182	EA	CNC Cutting 101-200 Flat Sheets On <1/2" Thick 4' x 8' Panels Note: Per each sheet	143.42
09 78 23 00-0183	EA	CNC Cutting 101-200 Flat Sheets On 1/2" Thick 4' x 8' Panels Note: Per each sheet	143.42
09 78 23 00-0184	EA	CNC Cutting 101-200 Flat Sheets On >1/2" Thick 4' x 8' Panels Note: Per each sheet	143.42
09 78 23 00-0185	EA	CNC Cutting 1-5 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	334.04
09 78 23 00-0186	EA	CNC Cutting 1-5 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	381.24
09 78 23 00-0187	EA	CNC Cutting 1-5 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	477.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0188	EA	CNC Cutting 6-25 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	286.84	
09 78 23 00-0189	EA	CNC Cutting 6-25 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	334.04	
09 78 23 00-0190	EA	CNC Cutting 6-25 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	381.24	
09 78 23 00-0191	EA	CNC Cutting 26-100 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	248.72	
09 78 23 00-0192	EA	CNC Cutting 26-100 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	314.07	
09 78 23 00-0193	EA	CNC Cutting 26-100 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	334.04	
09 78 23 00-0194	EA	CNC Cutting 101-200 Flat Sheets On <1/2" Thick 4' x 10' Panels Note: Per each sheet	190.62	
09 78 23 00-0195	EA	CNC Cutting 101-200 Flat Sheets On 1/2" Thick 4' x 10' Panels Note: Per each sheet	190.62	
09 78 23 00-0196	EA	CNC Cutting 101-200 Flat Sheets On >1/2" Thick 4' x 10' Panels Note: Per each sheet	190.62	
09 78 23 00-0197		**Laser Cutting** *(09 78 23 00-0164)*		
09 78 23 00-0198	EA	Laser Cutting Set-up On 4' x 8' Panels Per Order Note: Polished Cut Edge	192.44	
09 78 23 00-0199	EA	Laser Cutting Set-up On 4' x 10' Panels Per Order Note: Polished Cut Edge	288.66	
09 78 23 00-0200	SF	Laser Cutting	19.06	
09 78 23 00-0201	EA	Minimum Laser Cutting Fee On 4' x 8' Panels Per Order	381.24	
09 78 23 00-0202	EA	Minimum Laser Cutting Fee On 4' x 10' Panels Per Order	477.46	
09 78 23 00-0203		**Water Jet Cutting** *(09 78 23 00-0164)*		
09 78 23 00-0204	EA	Water Jet Cutting Set-up On 4' x 8' Panels Per Order	172.47	
09 78 23 00-0205	EA	Water Jet Cutting Set-up On 4' x 10' Panels Per Order	230.56	
09 78 23 00-0206	LF	Water Jet Cutting 1-150 LF On <1/2" Thick Panels Note: C3 and HighRes Only	25.42	
09 78 23 00-0207	LF	Water Jet Cutting 1-150 LF On 1/2" Thick Panels Note: C3 and HighRes Only	25.42	
09 78 23 00-0208	LF	Water Jet Cutting 1-150 LF On >1/2" Thick Panels Note: C3 and HighRes Only	29.05	
09 78 23 00-0209	LF	Water Jet Cutting 151-300 LF On <1/2" Thick Panels Note: C3 and HighRes Only	23.60	
09 78 23 00-0210	LF	Water Jet Cutting 151-300 LF On 1/2" Thick Panels Note: C3 and HighRes Only	23.60	
09 78 23 00-0211	LF	Water Jet Cutting 151-300 LF On >1/2" Thick Panels Note: C3 and HighRes Only	27.23	
09 78 23 00-0212	LF	Water Jet Cutting 301+ LF On <1/2" Thick Panels Note: C3 and HighRes Only	19.97	
09 78 23 00-0213	LF	Water Jet Cutting 301+ LF On 1/2" Thick Panels Note: C3 and HighRes Only	19.97	
09 78 23 00-0214	LF	Water Jet Cutting 301+ LF On >1/2" Thick Panels Note: C3 and HighRes Only	25.42	
09 78 23 00-0215		**Hand Cutting HighRes** *(09 78 23 00-0164)*		
09 78 23 00-0216	EA	Hand Cutting HighRes, Simple Design, Per Panel Note: 3 or less points to line up	161.57	
09 78 23 00-0217	EA	Hand Cutting HighRes, Complex Design, Per Panel Note: More than 3 points to line up	324.96	
09 78 23 00-0218		**Seaming** *(09 78 23 00-0163)*		
09 78 23 00-0219		**Tongue And Groove Wavy Glued Seams** *(09 78 23 00-0218)* Note: Per Seam		
09 78 23 00-0220	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On <1/2" Thick Panels	161.57	
09 78 23 00-0221	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On 1/2" Thick Panels	190.62	
09 78 23 00-0222	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, Up To 12" On >1/2" Thick Panels	243.27	
09 78 23 00-0223	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On <1/2" Thick Panels	143.42	
09 78 23 00-0224	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On 1/2" Thick Panels	172.47	
09 78 23 00-0225	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, Up To 12" On >1/2" Thick Panels	219.67	
09 78 23 00-0226	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On <1/2" Thick Panels	243.27	
09 78 23 00-0227	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On 1/2" Thick Panels	243.27	
09 78 23 00-0228	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >12" To 48" On >1/2" Thick Panels	324.96	
09 78 23 00-0229	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On <1/2" Thick Panels	219.67	
09 78 23 00-0230	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On 1/2" Thick Panels	219.67	
09 78 23 00-0231	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >12" To 48" On >1/2" Thick Panels	295.92	
09 78 23 00-0232	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >48 To 96" On <1/2" Thick Panels	486.54	
09 78 23 00-0233	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >48 To 96" On 1/2" Thick Panels	486.54	
09 78 23 00-0234	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >48 To 96" On >1/2" Thick Panels	571.86	
09 78 23 00-0235	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On <1/2" Thick Panels	428.44	
09 78 23 00-0236	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On 1/2" Thick Panels	428.44	
09 78 23 00-0237	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >48 To 96" On >1/2" Thick Panels	515.58	
09 78 23 00-0238	EA	Tongue And Groove Wavy Glued Seam, Up To 5 Seams, >96" To 120" On <1/2" Thick Panels	648.11	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0239	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >96" To 120" On 1/2" Thick Panels	648.11	
09 78 23 00-0240	EA	Tongue And Groove Wavy Glued Seam, Up To Seams, >96" To 120" On >1/2" Thick Panels	762.48	
09 78 23 00-0241	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On <1/2" Thick Panels	591.83	
09 78 23 00-0242	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On 1/2" Thick Panels	591.83	
09 78 23 00-0243	EA	Tongue And Groove Wavy Glued Seam, >5 Seams, >96" To 120" On >1/2" Thick Panels	706.21	
09 78 23 00-0244		Mitered Wavy Tongue And Groove Machining Only *(09 78 23 00-0218)*		
09 78 23 00-0245	EA	Mitered Wavy Tongue And Groove Machining Only Set-up Per Order	91.79	
09 78 23 00-0246	LF	Mitered Wavy Tongue And Groove Machining, Up To 50 LF On <1/2" Thick Panels	9.53	
09 78 23 00-0247	LF	Mitered Wavy Tongue And Groove Machining, Up To 50 LF On 1/2" Thick Panels	9.53	
09 78 23 00-0248	LF	Mitered Wavy Tongue And Groove Machining, Up To 50 LF On >1/2" Thick Panels	13.34	
09 78 23 00-0249	LF	Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On <1/2" Thick Panels	8.59	
09 78 23 00-0250	LF	Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On 1/2" Thick Panels	8.59	
09 78 23 00-0251	LF	Mitered Wavy Tongue And Groove Machining, >50 To 150 LF On >1/2" Thick Panels	12.40	
09 78 23 00-0252	LF	Mitered Wavy Tongue And Groove Machining, >150 To 300 LF On <1/2" Thick Panels	6.68	
09 78 23 00-0253	LF	Mitered Wavy Tongue And Groove v>150 To 300 LF On 1/2" Thick Panels	6.68	
09 78 23 00-0254	LF	Mitered Wavy Tongue And Groove Machining, >150 To 300 LF On >1/2" Thick Panels	10.49	
09 78 23 00-0255		Tongue And Groove Quirk *(09 78 23 00-0218)*		
		Note: Half lap quirk loose joint (Includes solvent polishing of loose joints for better clarity).		
09 78 23 00-0256	EA	Tongue And Groove Quirk Set-up Per Order	91.79	
09 78 23 00-0257	LF	Tongue And Groove Quirk, Up To 50 LF On <1/2" Thick Panels	17.16	
09 78 23 00-0258	LF	Tongue And Groove Quirk Up To 50 LF On 1/2" Thick Panels	17.16	
09 78 23 00-0259	LF	Tongue And Groove Quirk Up To 50 LF On >1/2" Thick Panels	20.97	
09 78 23 00-0260	LF	Tongue And Groove Quirk, >50 To 150 LF On <1/2" Thick Panels	16.21	
09 78 23 00-0261	LF	Tongue And Groove Quirk >50 To 150 LF On 1/2" Thick Panels	16.21	
09 78 23 00-0262	LF	Tongue And Groove Quirk >50 To 150 LF On >1/2" Thick Panels	20.02	
09 78 23 00-0263	LF	Tongue And Groove Quirk, >150 LF On <1/2" Thick Panels	14.31	
09 78 23 00-0264	LF	Tongue And Groove Quirk >150 LF On 1/2" Thick Panels	14.31	
09 78 23 00-0265	LF	Tongue And Groove Quirk >150 LF On >1/2" Thick Panels	18.12	
09 78 23 00-0266		Edge Finishes *(09 78 23 00-0163)*		
09 78 23 00-0267		Eased Edges *(09 78 23 00-0266)*		
09 78 23 00-0268	LF	Eased Edges On <1/2" Thick Panels, Easing Each Side	1.91	
09 78 23 00-0269	LF	Eased Edges On 1/2" Thick Panels, Easing Each Side	1.91	
09 78 23 00-0270	LF	Eased Edges On >1/2" Thick Panels, Easing Each Side	3.81	
09 78 23 00-0271		Sanding Edges *(09 78 23 00-0266)*		
09 78 23 00-0272	LF	Sanding Edges On <1/2" Thick Panels	3.81	
09 78 23 00-0273	LF	Sanding Edges On 1/2" Thick Panels	5.72	
09 78 23 00-0274	LF	Sanding Edges On >1/2" Thick Panels	7.62	
09 78 23 00-0275		Edge Sealing *(09 78 23 00-0266)*		
09 78 23 00-0276	LF	Edge Sealing On <1/2" Thick Panels	8.59	
09 78 23 00-0277	LF	Edge Sealing On 1/2" Thick Panels	10.51	
09 78 23 00-0278	LF	Edge Sealing On >1/2" Thick Panels	13.34	
09 78 23 00-0279		Flame Polishing *(09 78 23 00-0266)*		
09 78 23 00-0280	LF	Flame Polishing, Up To 150 LF On <1/2" Thick Panels	5.72	
09 78 23 00-0281	LF	Flame Polishing, Up To 150 LF On 1/2" Thick Panels	7.62	
09 78 23 00-0282	LF	Flame Polishing, Up To 150 LF On >1/2" Thick Panels	11.44	
09 78 23 00-0283	LF	Flame Polishing, >150 To 300 LF On <1/2" Thick Panels	5.25	
09 78 23 00-0284	LF	Flame Polishing, >150 To 300 LF On 1/2" Thick Panels	7.15	
09 78 23 00-0285	LF	Flame Polishing, >150 To 300 LF On >1/2" Thick Panels	10.49	
09 78 23 00-0286	LF	Flame Polishing, >300 To 500 LF On <1/2" Thick Panels	4.77	
09 78 23 00-0287	LF	Flame Polishing, >300 To 500 LF On 1/2" Thick Panels	6.68	
09 78 23 00-0288	LF	Flame Polishing, >300 To 500 LF On >1/2" Thick Panels	9.53	
09 78 23 00-0289	LF	Flame Polishing, >500 LF On <1/2" Thick Panels	4.28	
09 78 23 00-0290	LF	Flame Polishing, >500 LF On 1/2" Thick Panels	5.72	
09 78 23 00-0291	LF	Flame Polishing, >500 LF On >1/2" Thick Panels	8.59	
09 78 23 00-0292		Radiused Edge, Beveled Edge *(09 78 23 00-0266)*		
09 78 23 00-0293	EA	Radiused Edge, Beveled Edge Set-up	87.14	
09 78 23 00-0294	LF	Radiused Edge, Beveled Edge, 1/8" One Edge, On <1/2" Thick Panels	3.81	
09 78 23 00-0295	LF	Radiused Edge, Beveled Edge, 1/8" One Edge, On 1/2" Thick Panels	3.81	
09 78 23 00-0296	LF	Radiused Edge, Beveled Edge, 1/8" One Edge, On >1/2" Thick Panels	3.81	
09 78 23 00-0297	LF	Radiused Edge, Beveled Edge, 1/8" Two Edges, On <1/2" Thick Panels	5.72	
09 78 23 00-0298	LF	Radiused Edge, Beveled Edge, 1/8" Two Edge, On 1/2" Thick Panels	5.72	
09 78 23 00-0299	LF	Radiused Edge, Beveled Edge, 1/8" Two Edge, On >1/2" Thick Panels	7.62	
09 78 23 00-0300	LF	Radiused Edge, Beveled Edge, >1/8" One Edge, On <1/2" Thick Panels	7.62	
09 78 23 00-0301	LF	Radiused Edge, Beveled Edge, >1/8" One Edge, On 1/2" Thick Panels	7.62	
09 78 23 00-0302	LF	Radiused Edge, Beveled Edge, >1/8" One Edge, On >1/2" Thick Panels	9.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 23 00-0303	LF	Radiused Edge, Beveled Edge, >1/8" Two Edges, On <1/2" Thick Panels	11.44	
09 78 23 00-0304	LF	Radiused Edge, Beveled Edge, >1/8" Two Edge, On 1/2" Thick Panels	11.44	
09 78 23 00-0305	LF	Radiused Edge, Beveled Edge, >1/8" Two Edge, On >1/2" Thick Panels	13.34	
09 78 23 00-0306		Solvent And Machine Polishing *(09 78 23 00-0266)*		
09 78 23 00-0307	LF	Solvent And Machine Polishing, Up To 150 LF On <1/2" Thick Panels	4.77	
09 78 23 00-0308	LF	Solvent And Machine Polishing, Up To 150 LF On 1/2" Thick Panels	5.72	
09 78 23 00-0309	LF	Solvent And Machine Polishing, Up To 150 LF On >1/2" Thick Panels	7.62	
09 78 23 00-0310	LF	Solvent And Machine Polishing, >150 To 300 LF On <1/2" Thick Panels	4.28	
09 78 23 00-0311	LF	Solvent And Machine Polishing, >150 To 300 LF On 1/2" Thick Panels	5.25	
09 78 23 00-0312	LF	Solvent And Machine Polishing, >150 To 300 LF On >1/2" Thick Panels	7.15	
09 78 23 00-0313	LF	Solvent And Machine Polishing, >300 LF On <1/2" Thick Panels	3.81	
09 78 23 00-0314	LF	Solvent And Machine Polishing, >300 LF On 1/2" Thick Panels	4.77	
09 78 23 00-0315	LF	Solvent And Machine Polishing, >300 LF On >1/2" Thick Panels	6.68	
09 78 23 00-0316		Polishing River Rock *(09 78 23 00-0266)*		
09 78 23 00-0317	LF	Hand Polishing River Rock On >1/2" Thick Panels	22.87	

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.40	0.43
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.57	0.43
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.81	0.43
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.00	0.43
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.24	0.43
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.47	0.43
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.78	0.43
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	4.13	0.43
09 81 16 00-0011		4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*		
09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.36	0.43
09 81 16 00-0013		Sound Attenuation Batts *(09 81 16)*		
		Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.		
09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.97	0.57
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	2.16	0.57
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.32	0.57
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.71	0.57
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.83	0.57
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.80	0.57
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.94	0.57

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	14.91	2.85
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	21.96	2.85
09 84 13 00-0004		Sound Absorbing Acoustical Wall Panel System *(09 84 13)*		
		See CSI section 06 11 16 00-0211 for wood furring.		
09 84 13 00-0005		Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes tackable surface, molding and mounting hardware for flush mount.		
09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	16.42	3.22
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	15.24	3.22
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.97	3.22
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	19.00	3.22

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	20.89	3.22
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	20.89	3.22
09 84 13 00-0012		Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	19.02	3.22
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	22.10	3.22
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	22.10	3.22
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	25.17	3.22
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	25.17	3.22
09 84 13 00-0018		Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam) *(09 84 13 00-0004)*		
		Note: Includes molding and mounting hardware for flush mount. All panels are 3/4" thick.		
09 84 13 00-0019	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Tek-Wall)	21.83	3.22
09 84 13 00-0020	SF	Woven Fabric Covered, Fiberglass, Sound Absorbing Wall Panel System (Maharam Adorn)	26.34	3.22
09 84 13 00-0021		Sound Absorbing Panel, Eggcrate Style *(09 84 13)*		
		Note: Ceiling or wall hung back.		
09 84 13 00-0022	SF	2" Thick (Eggcrate Style) Polyurethane Sound Wave	15.65	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0023	SF	3" Thick (Eggcrate Style) Polyurethane Sound Wave	21.21	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0024	SF	4" Thick (Eggcrate Style) Polyurethane Sound Wave	28.44	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0025	SF	2" Thick (Eggcrate Style) Melamine Sound Wave	21.23	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0026	SF	3" Thick (Eggcrate Style) Melamine Sound Wave	30.03	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0027	SF	4" Thick (Eggcrate Style) Melamine Sound Wave	38.00	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0028		Sound Deadening Fiberboard *(09 84 13)*		
09 84 13 00-0029	SF	1/2" Sound Deadening Fiberboard	1.78	0.71
		For Horizontal Installation Up To 10' High, Add	*0.44*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.37*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.26	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0004	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0005	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.60	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0006	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.37	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.80	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.30	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.97	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0010	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.79	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0011	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.85	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0012	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.74	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0013		Paint Exterior Concrete Walls *(09 91 13 00-0001)*		
09 91 13 00-0014	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.93	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0020	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0021	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0022	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0023	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.25	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.38	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.56	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	2.76	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.16	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.27	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.28	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.98	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	2.10	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.25	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.71	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0041	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0042	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0043	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0044	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.22	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0045	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0046	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	1.06	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.58	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0049	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.35	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0053	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.94	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0055	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0056	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0057	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.46	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Epoxy Paint, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0058	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0059	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0060	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.24	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Epoxy Paint, Add	*0.21*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.23	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.35	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.48	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.93	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.07	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	2.00	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.82	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	1.05	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.79	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.23	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.35	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.47	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.06	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.18	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	2.23	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.89	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.05	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.79	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	15.37	
		For Work >15' To 20' Above Floor, Add	*1.96*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*10.14*	
		For >100 To 250, Add	*4.80*	
		For >250 To 500, Add	*2.07*	
		For >2,500 To 5,000, Deduct	*-0.77*	
		For >5,000 To 10,000, Deduct	*-1.54*	
		For >10,000 To 20,000, Deduct	*-2.31*	
		For >20,000, Deduct	*-3.07*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	17.10	
		For Work >15' To 20' Above Floor, Add	*2.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.63*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*5.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*7.98*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*11.27*	
		For >100 To 250, Add	*5.34*	
		For >250 To 500, Add	*2.31*	
		For >2,500 To 5,000, Deduct	*-0.86*	
		For >5,000 To 10,000, Deduct	*-1.71*	
		For >10,000 To 20,000, Deduct	*-2.57*	
		For >20,000, Deduct	*-3.42*	
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	31.89	
		For Work >15' To 20' Above Floor, Add	*4.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.82*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*10.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*15.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*21.15*	
		For >100 To 250, Add	*10.01*	
		For >250 To 500, Add	*4.32*	
		For >2,500 To 5,000, Deduct	*-1.59*	
		For >5,000 To 10,000, Deduct	*-3.19*	
		For >10,000 To 20,000, Deduct	*-4.78*	
		For >20,000, Deduct	*-6.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.30	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	2.22	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0091	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.30	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.61	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0093	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.78	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0094	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	3.31	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.50*	
		For >20,000, Deduct	*-0.66*	
09 91 13 00-0095	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0096	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.41	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.62	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 13 00-0098	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0099	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0100	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.26	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*
Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0103	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.24	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.15*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0104	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.39	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0105	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.45	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0106	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.61	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.52*	
09 91 13 00-0107	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0108	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0109	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.28	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0110	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0111	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.10	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0112	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.79	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113		Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.84	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.81	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	3.35	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.15*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.50*	
		For >20,000, Deduct	*-0.67*	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.72	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.84	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	3.44	
		For Oil Based Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.52*	
		For >20,000, Deduct	*-0.69*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.43	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.70	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0125	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.16	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	2.18	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.87	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0131	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.93	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0132	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	1.08	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0133	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	2.13	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0134		Paint Exterior Ceilings *(09 91 13)*		
09 91 13 00-0135		Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*		
09 91 13 00-0136	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0137	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0138	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0139	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	2.06	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0141	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0142	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.72	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0143	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0145	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	

09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

09 91 13 00-0147	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.19	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Epoxy Paint, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	2.07	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.28*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0152	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.71	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.23*	
		For Epoxy Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0154	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0155	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.38	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Epoxy Paint, Add	*0.22*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.23	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.05*	
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.34	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.51	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	
09 91 13 00-0163	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.12	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0165	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	2.13	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0166	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0167	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.62	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0169		Paint Exterior Rough Wood Ceilings *(09 91 13 00-0157)*		
09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	2.00	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.97	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	3.46	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000 To 20,000, Deduct	*-0.52*	
		For >20,000, Deduct	*-0.69*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.84	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.96	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.55	
		For Oil Based Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.18*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 20,000, Deduct	*-0.53*	
		For >20,000, Deduct	*-0.71*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.42	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.56	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.86	
		For Oil Based Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.97*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.57*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*
Note: Linseed oil or acrylic latex paint.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.35	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.47	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.71	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.16	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	2.09	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.17	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.94	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.35	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.47	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.71	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.18	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.29	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.35	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.94	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.15	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.30	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.41	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

09 91 13 00-0204 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0205 Paint Exterior Concrete Floors *(09 91 13 00-0204)*

09 91 13 00-0206	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.15	
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0207	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0208	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0209	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.71	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0210	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0211	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.33	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0213	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0214	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0215	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.23	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0216	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.29	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.53	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.28*	
		For >5,000 To 10,000, Deduct	*-0.55*	
		For >10,000 To 20,000, Deduct	*-0.83*	
		For >20,000, Deduct	*-1.11*	
09 91 13 00-0218	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.89	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.69*	
		For >10,000 To 20,000, Deduct	*-1.03*	
		For >20,000, Deduct	*-1.38*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.19	
		For Up To 100, Add	*0.11*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0221	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.14	
		For Oil Based Paint, Add	*0.14*	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.00	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.77	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.48	
		For Oil Based Paint, Add	*0.10*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.41	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	7.01	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.42*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.70*	
		For >10,000 To 20,000, Deduct	*-1.05*	
		For >20,000, Deduct	*-1.40*	

09 91 13 00-0232 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0233 Paint Exterior Door Frames *(09 91 13 00-0232)*

09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.32	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.36*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.69	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.45*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.87	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.76*	
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.33	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.36*	
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.70	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.45*	
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.88	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.77*	

09 91 13 00-0240 Paint Exterior Metal Doors *(09 91 13 00-0232)*

09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	61.85	
		Note: One face		
		For Half Louvered Door, Add	*5.18*	
		For Full Louvered Door, Add	*8.64*	
		For Electrostatic Painting, Add	*10.28*	
		For >5 To 10, Deduct	*-3.09*	
		For >10 To 25, Deduct	*-6.19*	
		For >25, Deduct	*-9.28*	
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	61.85	
		Note: One face		
		For Half Louvered Door, Add	*5.18*	
		For Full Louvered Door, Add	*8.64*	
		For Electrostatic Painting, Add	*10.28*	
		For >5 To 10, Deduct	*-3.09*	
		For >10 To 25, Deduct	*-6.19*	
		For >25, Deduct	*-9.28*	
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	112.62	
		Note: One face		
		For Half Louvered Door, Add	*8.75*	
		For Full Louvered Door, Add	*14.59*	
		For Electrostatic Painting, Add	*19.40*	
		For >5 To 10, Deduct	*-5.63*	
		For >10 To 25, Deduct	*-11.26*	
		For >25, Deduct	*-16.89*	
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	111.03	
		Note: Both faces		
		For Half Louvered Door, Add	*9.29*	
		For Full Louvered Door, Add	*15.49*	
		For Electrostatic Painting, Add	*18.46*	
		For >5 To 10, Deduct	*-5.55*	
		For >10 To 25, Deduct	*-11.10*	
		For >25, Deduct	*-16.65*	
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	111.03	
		Note: Both faces		
		For Half Louvered Door, Add	*9.29*	
		For Full Louvered Door, Add	*15.49*	
		For Electrostatic Painting, Add	*18.46*	
		For >5 To 10, Deduct	*-5.55*	
		For >10 To 25, Deduct	*-11.10*	
		For >25, Deduct	*-16.65*	
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	202.94	
		Note: Both faces		
		For Half Louvered Door, Add	*15.72*	
		For Full Louvered Door, Add	*26.20*	
		For Electrostatic Painting, Add	*35.01*	
		For >5 To 10, Deduct	*-10.15*	
		For >10 To 25, Deduct	*-20.29*	
		For >25, Deduct	*-30.44*	
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	58.15	
		Note: One face		
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For Electrostatic Painting, Add	*10.32*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.82*	
		For >25, Deduct	*-8.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: One face	58.14	
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For Electrostatic Painting, Add	*10.32*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.81*	
		For >25, Deduct	*-8.72*	
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: One face	107.17	
		For Half Louvered Door, Add	*7.12*	
		For Full Louvered Door, Add	*11.87*	
		For Electrostatic Painting, Add	*19.67*	
		For >5 To 10, Deduct	*-5.36*	
		For >10 To 25, Deduct	*-10.72*	
		For >25, Deduct	*-16.08*	
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door Note: Both faces	104.38	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For Electrostatic Painting, Add	*18.53*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.44*	
		For >25, Deduct	*-15.66*	
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	104.38	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For Electrostatic Painting, Add	*18.53*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.44*	
		For >25, Deduct	*-15.66*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door Note: Both faces	193.25	
		For Half Louvered Door, Add	*12.80*	
		For Full Louvered Door, Add	*21.33*	
		For Electrostatic Painting, Add	*35.52*	
		For >5 To 10, Deduct	*-9.66*	
		For >10 To 25, Deduct	*-19.33*	
		For >25, Deduct	*-28.99*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.82	
		For Electrostatic Painting, Add	*0.35*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.00	
		For Electrostatic Painting, Add	*0.40*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	6.12	
		For Electrostatic Painting, Add	*0.78*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.10	
		For Electrostatic Painting, Add	*0.38*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	3.28	
		For Electrostatic Painting, Add	*0.42*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	6.34	
		For Electrostatic Painting, Add	*0.82*	

09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Note: One face	58.11	
		For Half Louvered Door, Add	*5.18*	
		For Full Louvered Door, Add	*8.64*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.81*	
		For >25, Deduct	*-8.72*	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Note: One face	58.11	
		For Half Louvered Door, Add	*5.18*	
		For Full Louvered Door, Add	*8.64*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.81*	
		For >25, Deduct	*-8.72*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Note: One face	105.18	
		For Half Louvered Door, Add	*8.75*	
		For Full Louvered Door, Add	*14.59*	
		For >5 To 10, Deduct	*-5.26*	
		For >10 To 25, Deduct	*-10.52*	
		For >25, Deduct	*-15.78*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Note: Both faces	104.30	
		For Half Louvered Door, Add	*9.29*	
		For Full Louvered Door, Add	*15.49*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.43*	
		For >25, Deduct	*-15.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	104.30	
		Note: Both faces		
		For Half Louvered Door, Add	*9.29*	
		For Full Louvered Door, Add	*15.49*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.43*	
		For >25, Deduct	*-15.65*	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	189.48	
		Note: Both faces		
		For Half Louvered Door, Add	*15.72*	
		For Full Louvered Door, Add	*26.20*	
		For >5 To 10, Deduct	*-9.47*	
		For >10 To 25, Deduct	*-18.95*	
		For >25, Deduct	*-28.42*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	54.02	
		Note: One face		
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For >5 To 10, Deduct	*-2.70*	
		For >10 To 25, Deduct	*-5.40*	
		For >25, Deduct	*-8.10*	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	54.02	
		Note: One face		
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For >5 To 10, Deduct	*-2.70*	
		For >10 To 25, Deduct	*-5.40*	
		For >25, Deduct	*-8.10*	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	99.00	
		Note: One face		
		For Half Louvered Door, Add	*7.13*	
		For Full Louvered Door, Add	*11.88*	
		For >5 To 10, Deduct	*-4.95*	
		For >10 To 25, Deduct	*-9.90*	
		For >25, Deduct	*-14.85*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	96.98	
		Note: Both faces		
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For >5 To 10, Deduct	*-4.85*	
		For >10 To 25, Deduct	*-9.70*	
		For >25, Deduct	*-14.55*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	96.98	
		Note: Both faces		
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For >5 To 10, Deduct	*-4.85*	
		For >10 To 25, Deduct	*-9.70*	
		For >25, Deduct	*-14.55*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	178.44	
		Note: Both faces		
		For Half Louvered Door, Add	*12.80*	
		For Full Louvered Door, Add	*21.33*	
		For >5 To 10, Deduct	*-8.92*	
		For >10 To 25, Deduct	*-17.84*	
		For >25, Deduct	*-26.77*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.78	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.91	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.97	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.04	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	3.19	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	6.18	
09 91 13 00-0278		**Paint Exterior Metal Windows** *(09 91 13 00-0232)*		
		Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	95.58	
		For Electrostatic Painting, Add	*12.28*	
		For >5 To 10, Deduct	*-4.78*	
		For >10 To 25, Deduct	*-9.56*	
		For >25, Deduct	*-14.34*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	117.38	
		For Electrostatic Painting, Add	*15.94*	
		For >5 To 10, Deduct	*-5.87*	
		For >10 To 25, Deduct	*-11.74*	
		For >25, Deduct	*-17.61*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	158.95	
		For Electrostatic Painting, Add	*21.87*	
		For >5 To 10, Deduct	*-7.95*	
		For >10 To 25, Deduct	*-15.90*	
		For >25, Deduct	*-23.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	179.04	
		For Electrostatic Painting, Add	*24.65*	
		For >5 To 10, Deduct	*-8.95*	
		For >10 To 25, Deduct	*-17.90*	
		For >25, Deduct	*-26.86*	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	198.44	
		For Electrostatic Painting, Add	*27.27*	
		For >5 To 10, Deduct	*-9.92*	
		For >10 To 25, Deduct	*-19.84*	
		For >25, Deduct	*-29.77*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	6.29	
		For Electrostatic Painting, Add	*0.86*	

09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	93.09	
		For >5 To 10, Deduct	*-4.65*	
		For >10 To 25, Deduct	*-9.31*	
		For >25, Deduct	*-13.96*	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	113.54	
		For >5 To 10, Deduct	*-5.68*	
		For >10 To 25, Deduct	*-11.35*	
		For >25, Deduct	*-17.03*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	153.49	
		For >5 To 10, Deduct	*-7.67*	
		For >10 To 25, Deduct	*-15.35*	
		For >25, Deduct	*-23.02*	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	172.87	
		For >5 To 10, Deduct	*-8.64*	
		For >10 To 25, Deduct	*-17.29*	
		For >25, Deduct	*-25.93*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	191.65	
		For >5 To 10, Deduct	*-9.58*	
		For >10 To 25, Deduct	*-19.17*	
		For >25, Deduct	*-28.75*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	6.38	

09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.68	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.70	
		For Electrostatic Painting, Add	*0.21*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	2.82	
		For Electrostatic Painting, Add	*0.36*	

09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.68	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.70	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.82	

09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.57	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.57	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.58	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.81	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.81	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	3.07	

09 91 13 00-0307 Paint Exterior Roofing And Trim *(09 91 13)*

09 91 13 00-0308 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*

09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.33	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	4.29	
		For Up To 100, Add	*2.02*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	

09 91 13 00-0311 Paint Metal Roofing *(09 91 13 00-0307)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	1.03	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.79	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	

09 91 13 00-0314 Paint Fascia Board *(09 91 13 00-0307)*

09 91 13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.96	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.96	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.67	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	

09 91 13 00-0318 Paint Soffit *(09 91 13 00-0307)*

09 91 13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.16	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.16	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0321	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	1.97	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	

09 91 13 00-0322 Acrylic Elastomeric Coating For All Types Of Roofs *(09 91 13 00-0307)*

09 91 13 00-0323	SF	2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.32	

09 91 13 00-0324 Elastomeric Coating For All Types Of Roofs *(09 91 13 00-0307)*

09 91 13 00-0325	SF	1 Coat, White Elastomeric Liquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585) Note: Per Coat	3.98	

09 91 13 00-0326 Paint Metal Surfaces *(09 91 13)*

Note: Tasks can be used for exterior or interior applications.

09 91 13 00-0327 Paint Structural Steel *(09 91 13 00-0326)*

09 91 13 00-0328 Paint Structural Steel, Brush Work *(09 91 13 00-0327)*

09 91 13 00-0329	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	1.17	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0330	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	1.04	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For Epoxy Paint, Add	*0.13*	

09 91 13 00-0331 Paint Structural Steel, Spray Work *(09 91 13 00-0327)*

09 91 13 00-0332	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.87	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0333	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.73	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	

09 91 13 00-0334 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0327)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0335	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.97	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0336	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.97	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0337	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.63	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0338	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.42	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0339	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.38	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0340	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.61	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0341	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.20	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0342	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.20	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0343	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	2.05	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For Epoxy Paint, Add	*0.33*	

09 91 13 00-0344 Paint Steel Pipes *(09 91 13 00-0326)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0345	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.89	
		For Electrostatic Painting, Add	*0.25*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0346	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.11	
		For Electrostatic Painting, Add	*0.28*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0347	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.39	
		For Electrostatic Painting, Add	*0.32*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0348	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	2.98	
		For Electrostatic Painting, Add	*0.39*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0349	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	3.77	
		For Electrostatic Painting, Add	*0.50*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0350	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.89	
		For Electrostatic Painting, Add	*0.25*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0351	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	2.11	
		For Electrostatic Painting, Add	*0.28*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0352	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.39	
		For Electrostatic Painting, Add	*0.32*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0353	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	2.98	
		For Electrostatic Painting, Add	*0.39*	
		For Epoxy Paint, Add	*0.34*	
09 91 13 00-0354	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	3.77	
		For Electrostatic Painting, Add	*0.50*	
		For Epoxy Paint, Add	*0.43*	
09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.88	
		For Electrostatic Painting, Add	*0.54*	
		For Epoxy Paint, Add	*0.51*	
09 91 13 00-0356	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	4.23	
		For Electrostatic Painting, Add	*0.56*	
		For Epoxy Paint, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0357	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	4.59	
		For Electrostatic Painting, Add	*0.62*	
		For Epoxy Paint, Add	*0.54*	
09 91 13 00-0358	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	5.78	
		For Electrostatic Painting, Add	*0.77*	
		For Epoxy Paint, Add	*0.67*	
09 91 13 00-0359	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	7.13	
		For Electrostatic Painting, Add	*0.96*	
		For Epoxy Paint, Add	*0.84*	
09 91 13 00-0360	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	8.98	
		For Electrostatic Painting, Add	*0.96*	
		For Epoxy Paint, Add	*0.57*	

09 91 13 00-0361 Paint Metal Louvers *(09 91 13 00-0326)*

09 91 13 00-0362	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.58	
		For Electrostatic Painting, Add	*0.19*	
09 91 13 00-0363	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.62	
		For Electrostatic Painting, Add	*0.20*	
09 91 13 00-0364	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	3.32	
		For Electrostatic Painting, Add	*0.42*	

09 91 13 00-0365 Paint Ladders *(09 91 13 00-0326)*

09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	4.26	
		For Epoxy Paint, Add	*0.27*	
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	4.76	
		For Epoxy Paint, Add	*0.30*	
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	9.35	
		For Epoxy Paint, Add	*0.55*	

09 91 13 00-0369 Paint Handrails *(09 91 13 00-0326)*

09 91 13 00-0370	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.72	
		For Epoxy Paint, Add	*0.15*	
09 91 13 00-0371	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.91	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0372	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	3.11	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0373	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.25	
		For Epoxy Paint, Add	*0.44*	
09 91 13 00-0374	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.53	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0375	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	6.01	
		For Epoxy Paint, Add	*0.72*	
09 91 13 00-0376	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.48	
		For Epoxy Paint, Add	*0.45*	
09 91 13 00-0377	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.80	
		For Epoxy Paint, Add	*0.47*	
09 91 13 00-0378	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	6.36	
		For Epoxy Paint, Add	*0.74*	
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.93	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	2.11	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.87	
		For Epoxy Paint, Add	*0.47*	

09 91 13 00-0382 Paint Grating *(09 91 13 00-0326)*

09 91 13 00-0383	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	3.11	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0384	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	3.18	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0385	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	4.79	
		For Epoxy Paint, Add	*0.40*	

09 91 13 00-0386 Equipment And Tanks *(09 91 13 00-0326)*

09 91 13 00-0387 Paint Valves *(09 91 13 00-0386)*

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0388	EA	Prime And Paint 4" Diameter And Smaller Valve	33.31
09 91 13 00-0389	EA	Prime And Paint 6" To 10" Diameter Valve	40.99
09 91 13 00-0390	EA	Prime And Paint 12" To 18" Diameter Valve	53.80
09 91 13 00-0391	EA	Prime And Paint 20" To 24" Diameter Valve	71.73
09 91 13 00-0392	EA	Prime And Paint >24" To 36" Diameter Valve	97.35
09 91 13 00-0393	EA	Prime And Paint >36" To 48" Diameter Valve	133.22

09 91 13 00-0394 Paint Pumps And Motors *(09 91 13 00-0386)*

Note: Includes 1 coat primer and 1 coat paint finish

09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	102.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	135.79	
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	163.99	
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	184.49	
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	215.25	
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	245.99	
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	271.62	
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	307.49	

09 91 13 00-0403 Paint Storage Tanks *(09 91 13 00-0386)*

09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.31	
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.75	
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	3.34	
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.74	
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	2.23	
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	4.29	
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.39	
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.73	
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.37	
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.59	
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	2.10	
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	4.08	

09 91 13 00-0416 Other Site Work Painting *(09 91 13)*

09 91 13 00-0417 Paint Fencing *(09 91 13 00-0416)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.95	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.79	
		For Epoxy Paint, Add	*0.23*	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.88	
		For Epoxy Paint, Add	*0.13*	
		For Electrostatic Painting, Add	*0.13*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0421	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.63	
		For Epoxy Paint, Add	*0.26*	
		For Electrostatic Painting, Add	*0.25*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 91 13 00-0422	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.89	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0423	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.83	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0424	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.60	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0425	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	1.10	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0426	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	1.10	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0427	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.80	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0428	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.85	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0429	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.53	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 91 13 00-0430	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.68	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0431	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.30	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	

09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0416)*

09 91 13 00-0433	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.38	
09 91 13 00-0434	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	3.40	
09 91 13 00-0435	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	6.04	
09 91 13 00-0436	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.10	
09 91 13 00-0437	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	2.12	
09 91 13 00-0438	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	3.93	

09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0416)*

09 91 13 00-0440	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.16	
09 91 13 00-0441	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	4.18	
09 91 13 00-0442	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	7.44	
09 91 13 00-0443	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.53	
09 91 13 00-0444	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.55	
09 91 13 00-0445	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	4.74	

09 91 13 00-0446 Paint Flagpoles *(09 91 13 00-0416)*

09 91 13 00-0447	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	244.75	
09 91 13 00-0448	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	330.36	
09 91 13 00-0449	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	416.01	
09 91 13 00-0450	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	501.68	
09 91 13 00-0451	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	660.98	
09 91 13 00-0452	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	745.13	
09 91 13 00-0453	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	829.29	

09 91 13 00-0454 Paint Lattice Or Trellis *(09 91 13 00-0416)*

09 91 13 00-0455	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.64	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 91 13 00-0456	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	3.06	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	

09 91 13 00-0457 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0458 Paint Exterior Concrete Stairs *(09 91 13 00-0457)*

09 91 13 00-0459	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	18.53	
09 91 13 00-0460	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	18.53	
09 91 13 00-0461	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	24.85	
09 91 13 00-0462	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	43.27	
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	37.07	

09 91 13 00-0464 Paint Exterior Metal Stairs *(09 91 13 00-0457)*

09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	9.83	
		For Oil Based Paint, Add	*0.54*	
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	9.83	
		For Oil Based Paint, Add	*0.54*	
09 91 13 00-0467	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	19.66	
		For Oil Based Paint, Add	*1.08*	

09 91 13 00-0468 Paint Exterior Wood Stairs *(09 91 13 00-0457)*

09 91 13 00-0469	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	9.69	
09 91 13 00-0470	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	9.68	
09 91 13 00-0471	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	16.00	
09 91 13 00-0472	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	34.42	
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	19.38	

09 91 13 00-0474 Paint Exterior Stair Nosing *(09 91 13 00-0457)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	1.80	

09 91 13 00-0476 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0477 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0476)*

09 91 13 00-0478	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.30	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0479	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.41	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0480	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.56	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.12*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0481	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.18	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0482	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.29	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0483	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	2.31	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0484	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	2.04	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0485	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.52	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.35*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0486 Paint Exterior Wood Trim *(09 91 13 00-0476)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0487	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0488	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.03	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0489	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	3.72	
		For Oil Based Paint, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*1.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.46*	
		For >2,500 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.37*	
		For >10,000 To 20,000, Deduct	*-0.56*	
		For >20,000, Deduct	*-0.74*	
09 91 13 00-0490	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.51	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0491	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.68	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0492	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	3.14	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.63*	
09 91 13 00-0493	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0494	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.43	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0495	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.70	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	

09 91 13 00-0496 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0497	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.57	
		For Epoxy Paint, Add	*0.20*	
		For Electrostatic Painting, Add	*0.22*	
09 91 13 00-0498	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.44	
		For Epoxy Paint, Add	*0.15*	
		For Electrostatic Painting, Add	*0.18*	
09 91 13 00-0499	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.90	
		For Epoxy Paint, Add	*0.32*	
		For Electrostatic Painting, Add	*0.38*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0001		Paint Interior Walls *(09 91 23)*		
09 91 23 00-0002		Paint Interior Brick Walls *(09 91 23 00-0001)*		
09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.22	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.37	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	2.03	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.95	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.62	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.20	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	0.99	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.90	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.95	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.64	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.68	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	1.01	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.83	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.73	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.17	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.54	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.58	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	2.82	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.25	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.35	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.94	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.14	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	2.07	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

09 91 23 00-0043	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.25	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0044	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.25	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.50	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.72	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.54*	
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.66	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0050	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.27	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0051	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0052	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0053	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0054	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.80	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0056		Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*		
09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.30	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	1.02	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0060		Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*		
09 91 23 00-0061		Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)*		
09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.17	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.97	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.28*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.65	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.23*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0069	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0070	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0071	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.15	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.33	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.52	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.87	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.03	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.62	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.66	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	

09 91 23 00-0081 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0082 Paint Interior Galvanized Walls *(09 91 23 00-0081)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.32	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.46	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.66	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	1.00	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.14	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	2.15	
		For Electrostatic Painting, Add	*0.32*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.87	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.88	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 23 00-0092 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*

Note: Alkyd enamel paint.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.32	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.46	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.65	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.25	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.38	
		For Electrostatic Painting, Add	*0.38*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.95	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.88	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.07	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.40	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.35	
		For Electrostatic Painting, Add	*0.39*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0107	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.30	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.20*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0109	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.85	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0110	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	3.27	
		For Oil Based Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.44*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000, Deduct	*-0.65*	
09 91 23 00-0111	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.27	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0112	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.45	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0113	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.65	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.40*	
		For >20,000, Deduct	*-0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0114	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0115	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.16	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0116	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	2.23	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	

09 91 23 00-0117 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0118 Interior Wood Walls *(09 91 23 00-0117)*

09 91 23 00-0119	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0120	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.26	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0121	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.31	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0122	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.90	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0123	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	1.02	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0124	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	1.81	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0125	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0126	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.85	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0127	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.55	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

09 91 23 00-0128 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0129 Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*

Note: Includes grid.

09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.35	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	2.15	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0134	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0135	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0136	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0137	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0138	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0139	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.35	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

09 91 23 00-0140 Paint Interior Concrete Ceilings *(09 91 23 00-0128)*

09 91 23 00-0141	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.20	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0142	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0143	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0144	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	2.15	
		For Oil Based Paint, Add	*0.12*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0145	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0146	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0147	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.76	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0148	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0149	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0150	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.34	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.14	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.88	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0153	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.87	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

09 91 23 00-0155	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.20	
		For Epoxy Paint, Add	*0.02*	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0156	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	1.12	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0157	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.21	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0158	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	2.15	
		For Epoxy Paint, Add	*0.20*	
		For Oil Based Paint, Add	*0.12*	
		For Orange Peel Finish, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0159	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.96	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0160	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.94	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0161	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.76	
		For Epoxy Paint, Add	*0.18*	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0162	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.86	
		For Epoxy Paint, Add	*0.11*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0163	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.85	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0164	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.35	
		For Epoxy Paint, Add	*0.18*	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0165		Paint Interior Metal Ceilings *(09 91 23 00-0128)*		
09 91 23 00-0166		Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*		
		Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.46	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.60	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	2.92	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.12	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.25	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.33	
		For Electrostatic Painting, Add	*0.33*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.27	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	2.05	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*

Note: Alkyd enamel paint.

09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.46	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.60	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.92	
		For Electrostatic Painting, Add	*0.41*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.44*	
		For >20,000, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.25	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.38	
		For Electrostatic Painting, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.63	
		For Electrostatic Painting, Add	*0.40*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.53*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.05	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*

Note: Grid only.

09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.30	
		For Electrostatic Painting, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.62	
		For Electrostatic Painting, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.48	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.68	
		For Electrostatic Painting, Add	*0.26*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.74	
		For Electrostatic Painting, Add	*0.46*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.27*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.24	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0196	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.36	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0198	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	2.57	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.66*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.34*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.39*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0199	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0200	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0201	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	2.23	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0202	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0203	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0204	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.58	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.50	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	2.81	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.56*	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	2.23	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.72	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

09 91 23 00-0215 Dryfall Coating *(09 91 23 00-0128)*

09 91 23 00-0216	SF	Dryfall Interior Acrylic Ceiling Coating, 1 Coat, Sprayed	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0217	SF	Dryfall Interior Latex Ceiling Coating, 1 Coat, Sprayed	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

09 91 23 00-0218 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0219 Paint Interior Concrete Floors And Decks *(09 91 23 00-0218)*

09 91 23 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.15	
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0221	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0222	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.94	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0223	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.85	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.18*	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.16*	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0227	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0228	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0230	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.88	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0231	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.87	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0232	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.71	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0233	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.49	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0234	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	7.09	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 20,000, Deduct	*-1.06*	
		For >20,000, Deduct	*-1.42*	
09 91 23 00-0235		Paint Interior Wood Floors And Decks *(09 91 23 00-0218)*		
09 91 23 00-0236	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.19	
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0237	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0238	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0239	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	2.16	
		For Oil Based Paint, Add	*0.13*	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 23 00-0240	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.86	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0241	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0242	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.83	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0243	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0244	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0245	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.28	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0246	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.49	
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.50*	
09 91 23 00-0247	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	7.09	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.43*	
		For >2,500 To 5,000, Deduct	*-0.35*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000 To 20,000, Deduct	*-1.06*	
		For >20,000, Deduct	*-1.42*	

09 91 23 00-0248 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0249 Paint Interior Door Frames *(09 91 23 00-0248)*

09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.65	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.43*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	2.79	
		For Oil Based Paint, Add	*0.15*	
		For Painting One Face Of Frame Only, Deduct	*-0.73*	
09 91 23 00-0253	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.36*	
09 91 23 00-0254	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.70	
		For Oil Based Paint, Add	*0.09*	
		For Painting One Face Of Frame Only, Deduct	*-0.45*	
09 91 23 00-0255	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	2.88	
		For Oil Based Paint, Add	*0.16*	
		For Painting One Face Of Frame Only, Deduct	*-0.77*	

09 91 23 00-0256 Paint Interior Metal Doors *(09 91 23 00-0248)*

09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	65.69	
		For Electrostatic Painting, Add	*10.66*	
		For Half Louvered Door, Add	*5.76*	
		For Full Louvered Door, Add	*9.60*	
		For Oil Based Paint, Add	*4.65*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.57*	
		For >25, Deduct	*-9.85*	
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	65.69	
		For Electrostatic Painting, Add	*10.66*	
		For Half Louvered Door, Add	*5.76*	
		For Full Louvered Door, Add	*9.60*	
		For Oil Based Paint, Add	*4.65*	
		For >5 To 10, Deduct	*-3.28*	
		For >10 To 25, Deduct	*-6.57*	
		For >25, Deduct	*-9.85*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	119.11	
		For Electrostatic Painting, Add	*20.05*	
		For Half Louvered Door, Add	*9.73*	
		For Full Louvered Door, Add	*16.21*	
		For Oil Based Paint, Add	*8.67*	
		For >5 To 10, Deduct	*-5.96*	
		For >10 To 25, Deduct	*-11.91*	
		For >25, Deduct	*-17.87*	
09 91 23 00-0260	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	117.90	
		For Electrostatic Painting, Add	*19.15*	
		For Half Louvered Door, Add	*10.32*	
		For Full Louvered Door, Add	*17.21*	
		For Oil Based Paint, Add	*8.35*	
		For >5 To 10, Deduct	*-5.90*	
		For >10 To 25, Deduct	*-11.79*	
		For >25, Deduct	*-17.69*	
09 91 23 00-0261	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	117.91	
		For Electrostatic Painting, Add	*19.15*	
		For Half Louvered Door, Add	*10.33*	
		For Full Louvered Door, Add	*17.21*	
		For Oil Based Paint, Add	*8.35*	
		For >5 To 10, Deduct	*-5.90*	
		For >10 To 25, Deduct	*-11.79*	
		For >25, Deduct	*-17.69*	
09 91 23 00-0262	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	214.60	
		For Electrostatic Painting, Add	*36.18*	
		For Half Louvered Door, Add	*17.47*	
		For Full Louvered Door, Add	*29.12*	
		For Oil Based Paint, Add	*15.64*	
		For >5 To 10, Deduct	*-10.73*	
		For >10 To 25, Deduct	*-21.46*	
		For >25, Deduct	*-32.19*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	58.15	
		For Electrostatic Painting, Add	*10.32*	
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For Oil Based Paint, Add	*4.41*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.82*	
		For >25, Deduct	*-8.72*	
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	58.14	
		For Electrostatic Painting, Add	*10.32*	
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For Oil Based Paint, Add	*4.41*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.81*	
		For >25, Deduct	*-8.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	107.17	
		For Electrostatic Painting, Add	*19.67*	
		For Half Louvered Door, Add	*7.12*	
		For Full Louvered Door, Add	*11.87*	
		For Oil Based Paint, Add	*8.34*	
		For >5 To 10, Deduct	*-5.36*	
		For >10 To 25, Deduct	*-10.72*	
		For >25, Deduct	*-16.08*	
09 91 23 00-0266	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	104.38	
		For Electrostatic Painting, Add	*18.53*	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For Oil Based Paint, Add	*7.92*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.44*	
		For >25, Deduct	*-15.66*	
09 91 23 00-0267	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	104.38	
		For Electrostatic Painting, Add	*18.53*	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For Oil Based Paint, Add	*7.92*	
		For >5 To 10, Deduct	*-5.22*	
		For >10 To 25, Deduct	*-10.44*	
		For >25, Deduct	*-15.66*	
09 91 23 00-0268	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	193.25	
		For Electrostatic Painting, Add	*35.52*	
		For Half Louvered Door, Add	*12.80*	
		For Full Louvered Door, Add	*21.33*	
		For Oil Based Paint, Add	*15.06*	
		For >5 To 10, Deduct	*-9.66*	
		For >10 To 25, Deduct	*-19.33*	
		For >25, Deduct	*-28.99*	

09 91 23 00-0269 Paint Interior Wood Doors *(09 91 23 00-0248)*

09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	56.13	
		For Oil Based Paint, Add	*3.69*	
		For Half Louvered Door, Add	*5.76*	
		For Full Louvered Door, Add	*9.60*	
		For >5 To 10, Deduct	*-2.81*	
		For >10 To 25, Deduct	*-5.61*	
		For >25, Deduct	*-8.42*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	56.13	
		For Oil Based Paint, Add	*3.69*	
		For Half Louvered Door, Add	*5.76*	
		For Full Louvered Door, Add	*9.60*	
		For >5 To 10, Deduct	*-2.81*	
		For >10 To 25, Deduct	*-5.61*	
		For >25, Deduct	*-8.42*	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	100.10	
		For Oil Based Paint, Add	*6.77*	
		For Half Louvered Door, Add	*9.73*	
		For Full Louvered Door, Add	*16.21*	
		For >5 To 10, Deduct	*-5.01*	
		For >10 To 25, Deduct	*-10.01*	
		For >25, Deduct	*-15.02*	
09 91 23 00-0273	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	100.72	
		For Oil Based Paint, Add	*6.63*	
		For Half Louvered Door, Add	*10.33*	
		For Full Louvered Door, Add	*17.21*	
		For >5 To 10, Deduct	*-5.04*	
		For >10 To 25, Deduct	*-10.07*	
		For >25, Deduct	*-15.11*	
09 91 23 00-0274	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	100.72	
		For Oil Based Paint, Add	*6.63*	
		For Half Louvered Door, Add	*10.33*	
		For Full Louvered Door, Add	*17.21*	
		For >5 To 10, Deduct	*-5.04*	
		For >10 To 25, Deduct	*-10.07*	
		For >25, Deduct	*-15.11*	
09 91 23 00-0275	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	180.22	
		For Oil Based Paint, Add	*12.20*	
		For Half Louvered Door, Add	*17.47*	
		For Full Louvered Door, Add	*29.12*	
		For >5 To 10, Deduct	*-9.01*	
		For >10 To 25, Deduct	*-18.02*	
		For >25, Deduct	*-27.03*	
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	47.62	
		For Oil Based Paint, Add	*3.36*	
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For >5 To 10, Deduct	*-2.38*	
		For >10 To 25, Deduct	*-4.76*	
		For >25, Deduct	*-7.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	47.62	
		For Oil Based Paint, Add	*3.36*	
		For Half Louvered Door, Add	*4.22*	
		For Full Louvered Door, Add	*7.03*	
		For >5 To 10, Deduct	*-2.38*	
		For >10 To 25, Deduct	*-4.76*	
		For >25, Deduct	*-7.14*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	86.28	
		For Oil Based Paint, Add	*6.25*	
		For Half Louvered Door, Add	*7.13*	
		For Full Louvered Door, Add	*11.88*	
		For >5 To 10, Deduct	*-4.31*	
		For >10 To 25, Deduct	*-8.63*	
		For >25, Deduct	*-12.94*	
09 91 23 00-0279	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	85.47	
		For Oil Based Paint, Add	*6.03*	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For >5 To 10, Deduct	*-4.27*	
		For >10 To 25, Deduct	*-8.55*	
		For >25, Deduct	*-12.82*	
09 91 23 00-0280	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	85.47	
		For Oil Based Paint, Add	*6.03*	
		For Half Louvered Door, Add	*7.56*	
		For Full Louvered Door, Add	*12.60*	
		For >5 To 10, Deduct	*-4.27*	
		For >10 To 25, Deduct	*-8.55*	
		For >25, Deduct	*-12.82*	
09 91 23 00-0281	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	155.43	
		For Oil Based Paint, Add	*11.28*	
		For Half Louvered Door, Add	*12.80*	
		For Full Louvered Door, Add	*21.33*	
		For >5 To 10, Deduct	*-7.77*	
		For >10 To 25, Deduct	*-15.54*	
		For >25, Deduct	*-23.31*	
09 91 23 00-0282		**Paint Interior Metal Windows** *(09 91 23 00-0248)*		
		Note: Two finish coats paint over rust inhibitive primer.		
09 91 23 00-0283	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	104.19	
		For Oil Based Paint, Add	*6.12*	
		For Electrostatic Painting, Add	*13.14*	
		For >5 To 10, Deduct	*-5.21*	
		For >10 To 25, Deduct	*-10.42*	
		For >25, Deduct	*-15.63*	
09 91 23 00-0284	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	127.31	
		For Oil Based Paint, Add	*7.77*	
		For Electrostatic Painting, Add	*16.94*	
		For >5 To 10, Deduct	*-6.37*	
		For >10 To 25, Deduct	*-12.73*	
		For >25, Deduct	*-19.10*	
09 91 23 00-0285	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	172.19	
		For Oil Based Paint, Add	*10.60*	
		For Electrostatic Painting, Add	*23.19*	
		For >5 To 10, Deduct	*-8.61*	
		For >10 To 25, Deduct	*-17.22*	
		For >25, Deduct	*-25.83*	
09 91 23 00-0286	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	193.94	
		For Oil Based Paint, Add	*11.95*	
		For Electrostatic Painting, Add	*26.14*	
		For >5 To 10, Deduct	*-9.70*	
		For >10 To 25, Deduct	*-19.39*	
		For >25, Deduct	*-29.09*	
09 91 23 00-0287	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	214.98	
		For Oil Based Paint, Add	*13.22*	
		For Electrostatic Painting, Add	*28.92*	
		For >5 To 10, Deduct	*-10.75*	
		For >10 To 25, Deduct	*-21.50*	
		For >25, Deduct	*-32.25*	
09 91 23 00-0288	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	6.82	
		For Oil Based Paint, Add	*0.42*	
		For Electrostatic Painting, Add	*0.92*	
09 91 23 00-0289		**Paint Interior Wood Windows** *(09 91 23 00-0248)*		
		Note: Two finish coats paint over primer.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0290	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	97.84	
		For Oil Based Paint, Add	*5.48*	
		For >5 To 10, Deduct	*-4.89*	
		For >10 To 25, Deduct	*-9.78*	
		For >25, Deduct	*-14.68*	
09 91 23 00-0291	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	117.49	
		For Oil Based Paint, Add	*6.79*	
		For >5 To 10, Deduct	*-5.87*	
		For >10 To 25, Deduct	*-11.75*	
		For >25, Deduct	*-17.62*	
09 91 23 00-0292	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	168.12	
		For Oil Based Paint, Add	*9.70*	
		For >5 To 10, Deduct	*-8.41*	
		For >10 To 25, Deduct	*-16.81*	
		For >25, Deduct	*-25.22*	
09 91 23 00-0293	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	189.31	
		For Oil Based Paint, Add	*10.93*	
		For >5 To 10, Deduct	*-9.47*	
		For >10 To 25, Deduct	*-18.93*	
		For >25, Deduct	*-28.40*	
09 91 23 00-0294	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	197.64	
		For Oil Based Paint, Add	*11.49*	
		For >5 To 10, Deduct	*-9.88*	
		For >10 To 25, Deduct	*-19.76*	
		For >25, Deduct	*-29.65*	
09 91 23 00-0295	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	6.60	
		For Oil Based Paint, Add	*0.38*	

09 91 23 00-0296 Paint Interior Security Screens *(09 91 23 00-0248)*

09 91 23 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.23*	
09 91 23 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Electrostatic Painting, Add	*0.21*	
09 91 23 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	2.82	
		For Oil Based Paint, Add	*0.17*	
		For Electrostatic Painting, Add	*0.36*	

09 91 23 00-0300 Paint Interior Window Guards *(09 91 23 00-0248)*

09 91 23 00-0301	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.68	
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0302	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.70	
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0303	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.82	
		For Oil Based Paint, Add	*0.17*	

09 91 23 00-0304 Paint Interior Window Trim *(09 91 23 00-0248)*

09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.58	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.45*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.58	
		For Oil Based Paint, Add	*0.10*	
		For Painting One Face Of Frame Only, Deduct	*-0.45*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	3.45	
		For Oil Based Paint, Add	*0.21*	
		For Painting One Face Of Frame Only, Deduct	*-0.96*	
09 91 23 00-0308	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.84	
		For Painting One Face Of Frame Only, Deduct	*-0.55*	
09 91 23 00-0309	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.84	
		For Painting One Face Of Frame Only, Deduct	*-0.55*	
09 91 23 00-0310	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	3.98	
		For Painting One Face Of Frame Only, Deduct	*-1.18*	

09 91 23 00-0311 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0312 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0311)*

09 91 23 00-0313	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.42	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0314	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.94	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0315	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	3.19	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.48*	
09 91 23 00-0316		**Paint Exposed Metal Lockers And Cabinets** *(09 91 23 00-0311)*		
09 91 23 00-0317	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.57	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0318	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.57	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0319	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	2.90	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.44*	
09 91 23 00-0320		**Paint Interior Stairs** *(09 91 23)*		
09 91 23 00-0321		**Paint Interior Concrete Stairs** *(09 91 23 00-0320)*		
		Note: Includes the riser and tread.		
09 91 23 00-0322	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	20.28	
09 91 23 00-0323	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	20.28	
09 91 23 00-0324	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair Note: Excludes riser.	17.00	
09 91 23 00-0325	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair Note: Excludes riser.	35.42	
09 91 23 00-0326	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	40.57	
09 91 23 00-0327		**Paint Interior Metal Stairs** *(09 91 23 00-0320)*		
		Note: Includes the riser and tread.		
09 91 23 00-0328	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	11.23	
09 91 23 00-0329	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	10.82	
09 91 23 00-0330	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	21.62	
09 91 23 00-0331		**Paint Interior Wood Stairs** *(09 91 23 00-0320)*		
		Note: Includes the riser and tread.		
09 91 23 00-0332	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	10.47	
09 91 23 00-0333	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	10.46	
09 91 23 00-0334	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair Note: Excludes riser.	12.08	
09 91 23 00-0335	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair Note: Excludes riser.	30.50	
09 91 23 00-0336	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	20.92	
09 91 23 00-0337		**Paint Interior Stair Nosing** *(09 91 23 00-0320)*		
09 91 23 00-0338	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.75	
09 91 23 00-0339		**Paint Interior Trim** *(09 91 23)*		
09 91 23 00-0340		**Paint Interior Metal Trim** *(09 91 23 00-0339)*		
09 91 23 00-0341	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.41	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.17*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.29*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.46*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.63*	
09 91 23 00-0342	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.54	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.19*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20' to 30'.*	*0.32*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.51*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0343	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.79	
		For Work >15' To 20' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.25*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0344	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.19	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0345	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.29	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0346	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	2.33	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0347 Paint Interior Wood Trim *(09 91 23 00-0339)*

09 91 23 00-0348	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.87	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0349	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.97	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0350	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	2.02	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.04*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0351	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	2.70	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.30*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0352	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	3.00	
		For Work >15' To 20' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.44*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.17*	
09 91 23 00-0353	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	5.43	
		For Work >15' To 20' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.87*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.57*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.31*	
09 91 23 00-0354	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	2.22	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0355	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.48	
		For Work >15' To 20' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.16*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.14*	
09 91 23 00-0356	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	4.46	
		For Work >15' To 20' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.04*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.26*	

09 91 23 00-0357 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0358 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0357)*

09 91 23 00-0359	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.19	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0360	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.97	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0361	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.17	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0362	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	2.03	
		For Electrostatic Painting, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0363	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.30	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0364	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.30	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0365	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	2.11	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0366		**Stencil Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0367	EA	Up To 1" High, Stencil Painting, Per Letter/Number	2.21	
		For >200 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000, Deduct	*-0.44*	
09 91 23 00-0368	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.56	
		For >200 To 500, Deduct	*-0.20*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.41*	
		For >2,000, Deduct	*-0.51*	
09 91 23 00-0369	EA	2" To 3" High, Stencil Painting, Per Letter/Number	4.30	
		For >200 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,000, Deduct	*-0.69*	
		For >2,000, Deduct	*-0.86*	
09 91 23 00-0370	EA	3" To 4" High, Stencil Painting, Per Letter/Number	5.29	
		For >200 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-0.85*	
		For >2,000, Deduct	*-1.06*	
09 91 23 00-0371	EA	4" To 6" High, Stencil Painting, Per Letter/Number	7.28	
		For >200 To 500, Deduct	*-0.58*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000 To 2,000, Deduct	*-1.16*	
		For >2,000, Deduct	*-1.46*	
09 91 23 00-0372	EA	6" To 12" High, Stencil Painting, Per Letter/Number	9.66	
		For >200 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.55*	
		For >2,000, Deduct	*-1.93*	
09 91 23 00-0373	EA	Over 12" High, Stencil Painting, Per Letter/Number	11.38	
		For >200 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000 To 2,000, Deduct	*-1.82*	
		For >2,000, Deduct	*-2.28*	
09 91 23 00-0374		**Logo Painting** *(09 91 23)*		
09 91 23 00-0375	SF	Simple Design, Paint Logo	41.69	
09 91 23 00-0376	SF	Complex Design, Paint Logo	48.96	
09 91 23 00-0377		**Paint Additives** *(09 91 23)*		
09 91 23 00-0378	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0379	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	
09 91 23 00-0380		**Hand Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0381	EA	Up To 1" High, Hand Paint, Per Letter/Number	2.71	
09 91 23 00-0382	EA	1" To 2" High, Hand Paint, Per Letter/Number	3.15	
09 91 23 00-0383	EA	2" To 3" High, Hand Paint, Per Letter/Number	4.78	
09 91 23 00-0384	EA	3" To 4" High, Hand Paint, Per Letter/Number	5.84	
09 91 23 00-0385	EA	4" To 6" High, Hand Paint, Per Letter/Number	8.06	
09 91 23 00-0386	EA	6" To 12" High, Hand Paint, Per Letter/Number	10.20	
09 91 23 00-0387	EA	Over 12" High, Hand Paint, Per Letter/Number	11.96	
09 91 23 00-0388		**Glove/Mitt Application** *(09 91 23)*		
09 91 23 00-0389		**Conduit/Pipe** *(09 91 23 00-0388)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0390	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	51.19	
		For Work >15' To 20' Above Floor, Add	*7.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.92*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.21*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0391	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	85.72	
		For Work >15' To 20' Above Floor, Add	*8.58*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*14.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*22.88*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*31.45*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0392	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	67.64	
		For Work >15' To 20' Above Floor, Add	*6.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*23.07*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0393	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	55.53	
		For Work >15' To 20' Above Floor, Add	*4.72*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*7.87*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*12.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*17.30*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0394	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	105.70	
		For Work >15' To 20' Above Floor, Add	*7.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.92*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.21*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0395	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	97.58	
		For Work >15' To 20' Above Floor, Add	*6.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*23.07*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0396		Ductwork *(09 91 23 00-0388)*		
09 91 23 00-0397	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	51.19	
		For Work >15' To 20' Above Floor, Add	*7.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.92*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.21*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0398	CSF	Metal Primer Ductwork With Glove/Mitt	83.12	
		For Work >15' To 20' Above Floor, Add	*7.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.92*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.21*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0399	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	61.46	
		For Work >15' To 20' Above Floor, Add	*5.72*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*15.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.97*	
		Note: Applied only to work area above 40'.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0400	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	101.53	
		For Work >15' To 20' Above Floor, Add	*7.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*11.92*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.21*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0401	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	88.63	
		For Work >15' To 20' Above Floor, Add	*5.72*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*9.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*15.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*20.97*	
		Note: Applied only to work area above 40'.		

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	67.54
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	43.03
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	54.57
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	154.56
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack	45.00
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	69.38
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	55.69
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	43.03
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	39.10
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	68.91
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	57.38
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	57.38
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	64.69
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	42.19
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	115.59
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	45.00
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	36.00
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	93.10
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	58.05
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	65.50

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	31.50
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	156.20
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type	16.88
		Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	97.60
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	51.19
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	22.41
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	33.99
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	92.71
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	91.52
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	74.71
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	68.48
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	65.00
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	76.58
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	67.99
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	96.78
09 91 33 00-0038	GAL	Cold Galvanizing Paint	372.72
09 91 33 00-0039	GAL	High Heat Paint	163.65
09 91 33 00-0040	GAL	Heat Resistant Paint	109.10
09 91 33 00-0041	GAL	Zinc Chromate Paint	98.71
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	38.96
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	109.10
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	67.99
09 91 33 00-0045	GAL	Alkyd Latex, Black	80.96
09 91 33 00-0046	GAL	Alkyd Latex, White	73.60
09 91 33 00-0047	GAL	Alkyd Latex, Colors	88.75
09 91 33 00-0048	QT	Wrought Iron Paint, Black	99.58
09 91 33 00-0049	GAL	Vinyl Paint	86.07
09 91 33 00-0050	GAL	Silicone Alkyd	104.63
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	106.32
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	133.32
09 91 33 00-0053	GAL	Chlorinated Rubber	97.88
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	101.26
09 91 33 00-0055	GAL	Coal Tar Epoxy	72.57
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	90.57
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	118.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	81.00	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	51.47	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	63.43	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	105.47	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	35.72	
09 91 33 00-0063	GAL	Linseed Oil	31.22	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	51.19	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	57.66	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	52.74	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	42.38	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	29.25	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	54.57	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	48.66	
09 91 33 00-0072	GAL	Varnish, Clear	47.44	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.45	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	30.79	
09 91 33 00-0075	GAL	Polyurethane	54.06	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	51.34	
09 91 33 00-0077	GAL	Shellac, Clear	67.35	
09 91 33 00-0078	GAL	Acetone	22.22	
09 91 33 00-0079	GAL	Paint Thinner	5.48	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	22.50	
09 91 33 00-0081	GAL	Turpentine	30.94	
09 91 33 00-0082	GAL	Wood Filler Paste	52.88	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	42.19	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	109.22	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	1.06	
		For Ceiling Work, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.09*	
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.85	
		For Ceiling Work, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.34	
		For Ceiling Work, Add	*0.03*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.04*	

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.29	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
		For >4,000, Deduct	*-0.06*	
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.91	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >4,000, Deduct	*-0.10*	

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.62	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >4,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.47	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >4,000, Deduct	*-0.02*	

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	61.51	
		For Up To 4, Add	*44.69*	
		For >4 To 10, Add	*20.93*	
		For >10 To 20, Add	*8.99*	
		For >160, Deduct	*-3.08*	
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	44.04	
		For Up To 4, Add	*30.91*	
		For >4 To 10, Add	*14.53*	
		For >10 To 20, Add	*6.25*	
		For >160, Deduct	*-2.20*	

09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.54	

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.94	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >4,000, Deduct	*-0.05*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.58	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >4,000, Deduct	*-0.08*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	1.04	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >4,000, Deduct	*-0.05*	

09 93 23 53-0006 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	4.01	
		For Up To 100, Add	*2.85*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.57*	
		For >4,000, Deduct	*-0.20*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.79	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	4.55	
		For Up To 100, Add	*3.21*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.65*	
		For >4,000, Deduct	*-0.23*	

09 93 23 53-0010 Wood Door And Window Finishes *(09 93 23 53)*

See CSI section 08 14 16 00-0819 for factory finish.

09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	44.45	
		For Up To 4, Add	*32.20*	
		For >4 To 10, Add	*15.08*	
		For >10 To 20, Add	*6.48*	
		For >160, Deduct	*-2.22*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	135.22	
		For Up To 4, Add	*96.17*	
		For >4 To 10, Add	*45.14*	
		For >10 To 20, Add	*19.41*	
		For >160, Deduct	*-6.76*	

09 93 23 53-0013 Cabinet Finishes *(09 93 23 53)*

09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.55	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0015			Gym, Stage And Dance Floor Finishes *(09 93 23 53)*		
09 93 23 53-0016		SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	0.96	
09 93 23 53-0017		SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.22	
			For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0018		SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.32	
			For Stage Or Dance Floors, Deduct	*-0.09*	
09 93 23 53-0019		SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.41	
			For Stage Or Dance Floors, Deduct	*-0.09*	
09 93 23 53-0020		SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.22	
			For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0021		SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.32	
			For Stage Or Dance Floors, Deduct	*-0.09*	
09 93 23 53-0022		SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	4.41	
			For Stage Or Dance Floors, Deduct	*-0.09*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001			Anti-Graffiti Coating *(09 96 23)*		
09 96 23 00-0002		SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.62	
			For Up To 100, Add	*0.96*	
			For >100 To 250, Add	*0.46*	
			For >250 To 500, Add	*0.20*	
09 96 23 00-0003		SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.73	
			For Up To 100, Add	*0.98*	
			For >100 To 250, Add	*0.47*	
			For >250 To 500, Add	*0.21*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001			Elastomeric *(09 96 53)* Note: Per coat.		
09 96 53 00-0002		SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.97	
			For Work >15' To 20' Above Floor, Add	*0.12*	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	*0.19*	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	*0.31*	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	*0.42*	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	*0.61*	
			For >100 To 250, Add	*0.29*	
			For >250 To 500, Add	*0.13*	
			For >2,500 To 5,000, Deduct	*-0.05*	
			For >5,000 To 10,000, Deduct	*-0.10*	
			For >10,000 To 20,000, Deduct	*-0.15*	
			For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.83	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.72	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	2.12	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.97	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.19	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	1.10	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.94	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.79	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.27	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	2.10	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.29	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.42

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	6.72

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	4.90
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	8.77
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	13.12

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	4.00

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Solvent Cleaning is a method for removing all visible oil, grease, soil, drawing and cutting compounds and other soluble contaminants. Solvent cleaning does not remove rust or mill scale. Change rags and cleaning solution frequently so that deposits of oil and grease are not spread over additional areas in the cleaning process. Be sure to allow adequate ventilation. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 1.

09 97 13 23-0003	SF	Type 1 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.84	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP1 Chemical Or Steam Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation	1.09	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0007	SF	>14" Diameter Pipe SP1 Chemical Or Steam Cleaning Surface Preparation	0.98	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0008		SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)* Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.		
09 97 13 23-0009	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.68	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0010	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.61	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0011	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.61	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0012	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	2.18	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0013	SF	>14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0014		SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)* Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		
09 97 13 23-0015	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.95	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0016	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.87	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0017	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.87	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0018	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.53	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0019	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.28	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0020		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)* Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		
09 97 13 23-0021	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.83	
		For Up To 100, Add	*4.19*	
		For >100 To 250, Add	*1.97*	
		For >250 To 500, Add	*0.84*	
09 97 13 23-0022	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.99	
		For Up To 100, Add	*3.57*	
		For >100 To 250, Add	*1.68*	
		For >250 To 500, Add	*0.72*	
09 97 13 23-0023	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.58	
		For Up To 100, Add	*3.27*	
		For >100 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0024	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	7.05	
		For Up To 100, Add	*5.11*	
		For >100 To 250, Add	*2.40*	
		For >250 To 500, Add	*1.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0025	SF	>14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	6.38	
		For Up To 100, Add	*4.61*	
		For >100 To 250, Add	*2.16*	
		For >250 To 500, Add	*0.93*	

09 97 13 23-0026 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0027	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.99	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0028	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.60	
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0029	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.41	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0030	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.75	
		For Up To 100, Add	*2.71*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0031	SF	>14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.39	
		For Up To 100, Add	*2.44*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.49*	

09 97 13 23-0032 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0033	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0034	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.03	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0035	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.02	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0036	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.45	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0037	SF	>14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.31	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	

09 97 13 23-0038 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.

09 97 13 23-0039	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	4.34	
		For Up To 100, Add	*3.11*	
		For >100 To 250, Add	*1.46*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0040	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.69	
		For Up To 100, Add	*2.64*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0041	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.49	
		For Up To 100, Add	*2.49*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0042	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	5.13	
		For Up To 100, Add	*3.72*	
		For >100 To 250, Add	*1.74*	
		For >250 To 500, Add	*0.75*	

09 97 13 23-0043 SSPC SP11 Bare Metal Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Metallic surfaces that are prepared according to this specification, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxide corrosion products and other foreign matter. Slight residues of rust and paint may be left in the lower portions of pits if the original surface is pitted. The profile shall not be less than 1 mil. Prior to power tool surface preparation, remove visible deposits of oil or grease by any of the methods specified in SSPC-SP1, Solvent Cleaning, or other agreed upon methods. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 11.

09 97 13 23-0044	SF	Type 1 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	8.39	
09 97 13 23-0045	SF	Type 2 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	8.06	
09 97 13 23-0046	SF	Type 3 Structural Steel SP11 Bare Metal Power Tool Cleaning Surface Preparation	8.06	
09 97 13 23-0047	SF	Up To 14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation	10.90	
09 97 13 23-0048	SF	>14" Diameter Pipe SP11 Bare Metal Power Tool Cleaning Surface Preparation	9.82	

09 97 13 23-0049 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0050 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0051	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	1.28	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0052	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.95	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0053	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.86	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0054	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.52	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0055	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.66	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0056	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	1.24	
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0057	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	1.11	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 23-0058	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.99	
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	

09 97 13 23-0059 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0060	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.76	
		For Up To 100, Add	*2.43*	
		For >100 To 250, Add	*1.15*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0061	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.72	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0062	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.54	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0063	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.57	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.43*	
		For >250 To 500, Add	*0.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0064	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.82	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0065	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.05	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0066	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.89	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0067	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.43	
		For Up To 100, Add	*2.27*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0068	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.27	
		For Up To 100, Add	*3.56*	
		For >100 To 250, Add	*1.68*	
		For >250 To 500, Add	*0.73*	
09 97 13 23-0069	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.77	
		For Up To 100, Add	*2.47*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0070	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.48	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0071	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	6.45	
		For Up To 100, Add	*4.43*	
		For >100 To 250, Add	*2.09*	
		For >250 To 500, Add	*0.90*	
09 97 13 23-0072	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.95	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	
09 97 13 23-0073	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.82	
		For Up To 100, Add	*1.85*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0074	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.60	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0075	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.83	
		For Up To 100, Add	*3.32*	
		For >100 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.67*	

09 97 13 23-0076 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0077	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.90	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0078	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.38	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0079	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.18	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0080	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.60	
		For Up To 100, Add	*2.41*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0081	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.86	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0082	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.53	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0083	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.40	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0084	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.30	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0085	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.76	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.20*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0086	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.06	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0087	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.80	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0088	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.70	
		For Up To 100, Add	*3.23*	
		For >100 To 250, Add	*1.52*	
		For >250 To 500, Add	*0.66*	
09 97 13 23-0089	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.40	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0090	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.97	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0091	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.80	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0092	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	3.01	
		For Up To 100, Add	*2.07*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	

09 97 13 23-0093 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0094	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.82	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0095	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.53	
		For Up To 100, Add	*1.93*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0096	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.15	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0097	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.44	
		For Up To 100, Add	*3.26*	
		For >100 To 250, Add	*1.56*	
		For >250 To 500, Add	*0.68*	
09 97 13 23-0098	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.37	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0099	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.47	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0100	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.20	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0101	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.81	
		For Up To 100, Add	*2.29*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.48*	

09 97 13 23-0102 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0103	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.19	
		For Up To 100, Add	*2.88*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.61*	
09 97 13 23-0104	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.87	
		For Up To 100, Add	*1.98*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0105	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.49	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0106	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.83	
		For Up To 100, Add	*3.32*	
		For >100 To 250, Add	*1.60*	
		For >250 To 500, Add	*0.70*	
09 97 13 23-0107	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.26	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.14*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0108	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.18	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0109	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.86	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0110	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.78	
		For Up To 100, Add	*2.73*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0111		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0049)*		
09 97 13 23-0112	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.83	
		For Up To 100, Add	*6.17*	
		For >100 To 250, Add	*2.98*	
		For >250 To 500, Add	*1.30*	
09 97 13 23-0113	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.26	
		For Up To 100, Add	*4.45*	
		For >100 To 250, Add	*2.16*	
		For >250 To 500, Add	*0.95*	
09 97 13 23-0114	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.96	
		For Up To 100, Add	*4.22*	
		For >100 To 250, Add	*2.06*	
		For >250 To 500, Add	*0.90*	
09 97 13 23-0115	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	12.55	
		For Up To 100, Add	*7.43*	
		For >100 To 250, Add	*3.57*	
		For >250 To 500, Add	*1.55*	
09 97 13 23-0116		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0049)*		
09 97 13 23-0117	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.75	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0118	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.56	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0119	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.37	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0120	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.50	
		For Up To 100, Add	*3.54*	
		For >100 To 250, Add	*1.72*	
		For >250 To 500, Add	*0.75*	
09 97 13 23-0121	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.55	
		For Up To 100, Add	*2.39*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0122	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.60	
		For Up To 100, Add	*1.69*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0123	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.44	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0124	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	5.13	
		For Up To 100, Add	*2.80*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0125		Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0049)*		
09 97 13 23-0126	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.82	
		For Up To 100, Add	*2.88*	
		For >100 To 250, Add	*1.38*	
		For >250 To 500, Add	*0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0127	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.93	
		For Up To 100, Add	*2.28*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0128	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.64	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0129	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	5.93	
		For Up To 100, Add	*3.69*	
		For >100 To 250, Add	*1.76*	
		For >250 To 500, Add	*0.76*	

09 97 13 23-0130 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0131	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.61	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*1.38*	
		For >250 To 500, Add	*0.60*	
09 97 13 23-0132	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.30	
		For Up To 100, Add	*1.95*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0133	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.82	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 97 13 23-0134	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	5.27	
		For Up To 100, Add	*3.36*	
		For >100 To 250, Add	*1.60*	
		For >250 To 500, Add	*0.69*	

09 97 13 23-0135 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0049)*

09 97 13 23-0136	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.52	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0137	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.85	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0138	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.76	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0139	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.65	
		For Up To 100, Add	*1.39*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	

09 97 13 23-0140 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0049)*

Note: Installed over existing primer.

09 97 13 23-0141	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.84	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0142	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.15	
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0143	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.77	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0144	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.47	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.55*	

09 97 13 23-0145 One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine (PAMAM) Epoxy Finish Coats For Pipe Exterior *(09 97 13 23-0049)*

09 97 13 23-0146	SF	Spray Up To 14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine (PAMAM) Epoxy Finish Coats For Pipe Exterior	5.56	
		For Up To 100, Add	*2.84*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.61*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0147	SF	Spray >14" Diameter Pipe One 3 Mil Aromatic Urethane Zinc Primer And Two 5 Mil Polyamidoamine (PAMAM) Epoxy Finish Coats For Pipe Exterior	5.40	
		For Up To 100, Add	*2.72*	
		For >100 To 250, Add	*1.34*	
		For >250 To 500, Add	*0.59*	
09 97 13 23-0148		Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior *(09 97 13 23-0049)*		
09 97 13 23-0149	SF	Spray Two 6 Mil Modified Polyamine Epoxy Coats For Pipe Interior	8.30	
		For Up To 100, Add	*5.27*	
		For >100 To 250, Add	*2.51*	
		For >250 To 500, Add	*1.09*	
09 97 13 23-0150		Hot Stick Galvanizing *(09 97 13 23)*		
09 97 13 23-0151	SI	Hot Stick Galvanizing Note: Includes wire brush cleaning, heating with torch, applying stick galvanizing and final wire brush cleaning.	3.68	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001		Surface Preparation For Tanks *(09 97 13 24)* Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002		SSPC SP1 Chemical Or Steam Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0003	SF	Small Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0004	SF	Large Vessel/Tank SP1 Chemical Or Steam Cleaning Surface Preparation	0.71	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP1 Chemical Or Steam Cleaning Surface Preparation	1.00	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0006		SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0007	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.61	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0008	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.43	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	2.02	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0010		SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0011	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.37	
		For Up To 100, Add	*3.12*	
		For >100 To 250, Add	*1.46*	
		For >250 To 500, Add	*0.63*	
09 97 13 24-0012	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	4.16	
		For Up To 100, Add	*2.96*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.60*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	6.10	
		For Up To 100, Add	*4.41*	
		For >100 To 250, Add	*2.07*	
		For >250 To 500, Add	*0.89*	
09 97 13 24-0014		SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0015	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.41	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0016	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.21	
		For Up To 100, Add	*1.56*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0017	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	3.23	
		For Up To 100, Add	*2.33*	
		For >100 To 250, Add	*1.09*	
		For >250 To 500, Add	*0.47*	
09 97 13 24-0018		SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0019	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.98	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0020	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.39	
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0022		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0023	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.48	
		For Up To 100, Add	*2.49*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 24-0024	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	3.48	
		For Up To 100, Add	*2.49*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 24-0025	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	5.12	
		For Up To 100, Add	*3.72*	
		For >100 To 250, Add	*1.74*	
		For >250 To 500, Add	*0.75*	
09 97 13 24-0026		SSPC SP11 Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*		
09 97 13 24-0027	SF	Small Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	8.06	
09 97 13 24-0028	SF	Large Vessel/Tank SP11 Power Tool Cleaning Surface Preparation	7.13	
09 97 13 24-0029	SF	Vessel/Tank Interior SP11 Power Tool Cleaning Surface Preparation	10.06	
09 97 13 24-0030		Protective Coatings For Tanks *(09 97 13 24)*		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0031		1.5 Mil Prime Coat For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0032	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.76	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0033	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.61	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0034	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.44	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0035	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.96	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0036	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.77	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0037	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.88	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0038		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0039	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.23	
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0040	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.75	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0041	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.08	
		For Up To 100, Add	*2.71*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.55*	
09 97 13 24-0042	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.67	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0043	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.31	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0044	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.06	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.96*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0045	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.03	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
09 97 13 24-0046	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.31	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0047	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.77	
		For Up To 100, Add	*3.98*	
		For >100 To 250, Add	*1.87*	
		For >250 To 500, Add	*0.81*	
09 97 13 24-0048	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.27	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0049	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.73	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0050	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.32	
		For Up To 100, Add	*2.98*	
		For >100 To 250, Add	*1.40*	
		For >250 To 500, Add	*0.61*	

09 97 13 24-0051 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0052	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.98	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0053	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.69	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0054	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.21	
		For Up To 100, Add	*2.91*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.59*	
09 97 13 24-0055	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.27	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0056	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.07	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0057	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.69	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0058	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.52	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0059	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.13	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0060	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	5.89	
		For Up To 100, Add	*4.26*	
		For >100 To 250, Add	*1.99*	
		For >250 To 500, Add	*0.86*	
09 97 13 24-0061	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.62	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0062	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.37	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0063	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.87	
		For Up To 100, Add	*2.74*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.55*	
09 97 13 24-0064		2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0065	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.91	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0066	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.52	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0067	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.04	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.76	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0069		2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0070	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.24	
		For Up To 100, Add	*1.54*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0071	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.85	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0072	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.65	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0073	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.33	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0074		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0075	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.69	
		For Up To 100, Add	*4.07*	
		For >100 To 250, Add	*1.98*	
		For >250 To 500, Add	*0.87*	
09 97 13 24-0076	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.11	
		For Up To 100, Add	*3.63*	
		For >100 To 250, Add	*1.78*	
		For >250 To 500, Add	*0.78*	
09 97 13 24-0077	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.57	
		For Up To 100, Add	*6.98*	
		For >100 To 250, Add	*3.34*	
		For >250 To 500, Add	*1.45*	
09 97 13 24-0078		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0079	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.07	
		For Up To 100, Add	*1.92*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.42*	
09 97 13 24-0080	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.64	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0081	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.97	
		For Up To 100, Add	*3.34*	
		For >100 To 250, Add	*1.62*	
		For >250 To 500, Add	*0.71*	
09 97 13 24-0082	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.21	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0083	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.87	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0084	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.72	
		For Up To 100, Add	*2.65*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.56*	

09 97 13 24-0085 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0030)*

09 97 13 24-0086	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.60	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0087	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.02	
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0088	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.57	
		For Up To 100, Add	*2.79*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.58*	

09 97 13 24-0089 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0090	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.49	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0091	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.29	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0092	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.76	
		For Up To 100, Add	*2.32*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	

09 97 13 24-0093 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0030)*

09 97 13 24-0094	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.47	
		For Up To 100, Add	*3.15*	
		For >100 To 250, Add	*1.52*	
		For >250 To 500, Add	*0.66*	
09 97 13 24-0095	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.38	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	

09 97 13 24-0096 One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0030)*

09 97 13 24-0097	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.62	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0098	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.59	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0099	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.50	
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	

09 97 13 24-0100 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0030)*

Note: Installed over existing primer.

09 97 13 24-0101	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.63	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0102	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.34	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0103	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.61	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0104		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0030)*		
09 97 13 24-0105	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	9.40	
		For Up To 100, Add	*5.84*	
		For >100 To 250, Add	*2.79*	
		For >250 To 500, Add	*1.21*	
09 97 13 24-0106		One 3 Mil Epoxy Primer And Two 6 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*		
09 97 13 24-0107	SF	Brush One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Contact Area Between Rafters And Underside of Tank Roof Note: Devran 233H	3.86	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0108	SF	Spray One 3 Mil Epoxy Primer And Spray Two 6 Mil Epoxy Finish Coats For Rafters, Underside Of Tank Roof, And Walls 2' Above Floor Note: Devran 233H	3.53	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0109		One 15 Mil Epoxy Primer And One 15 Mil Epoxy Finish Coats For Tank Interior *(09 97 13 24-0030)*		
09 97 13 24-0110	SF	Spray One 15 Mil Epoxy Primer And Spray One 15 Mil Epoxy Finish Coats For Tank Floor Interior And Up To 3' Of Wall Note: Applied in 5 mil coats.	7.96	
		For Up To 100, Add	*3.71*	
		For >100 To 250, Add	*1.85*	
		For >250 To 500, Add	*0.82*	
09 97 13 24-0111		One 2 To 4 Mil Inorganic Zinc Primer, One 4 To 6 Mil Epoxy Intermediate Coat And One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior *(09 97 13 24-0030)*		
09 97 13 24-0112	SF	Spray One 2 To 4 Mil Inorganic Zinc Primer, Spray One 4 To 6 Mil Epoxy Intermediate Coat And Spray One 2 To 3 Mil Aliphatic Urethane Finish Coat For Tank Exterior Note: Devoe: Catha-Coat 302H primer, Bar-Rust 231H intermediate, and Devthane 379H finish or Tnemec: 91H2O Hydro-Zinc primer, N140F Pota-Pox intermediate, and 1075 Endura-Shield finish.	3.05	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.90	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.45	
09 97 35		**Dry Erase Coatings** *(09 97)*		
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller Note: Includes two coats of primer and white, white sand, light beige or light gray surface.	13.32	
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: For application over existing latex-based top coats.	7.37	
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller Note: Includes two coats of primer and white or black surface coat.	14.25	
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	1.90	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0003		ENECON Coatings *(09 97 63)*			
09 97 63 00-0004		METALCLAD Systems *(09 97 63 00-0003)*			
		Note: Material only. See CSI section 09 97 63 00-0034 for labor costs.			
09 97 63 00-0005	CI	DurAlloy		15.13	
09 97 63 00-0006	CI	SpeedAlloy		24.10	
09 97 63 00-0007	CI	SpeedAlloy QS		16.57	
09 97 63 00-0008	CI	CeramAlloy CP+ (AC)		16.29	
09 97 63 00-0009	SF	CeramAlloy CL+ (AC)		41.54	
09 97 63 00-0010	CI	CeramAlloy CBX		21.53	
09 97 63 00-0011		FLEXICLAD Systems *(09 97 63 00-0003)*			
		Note: Material only. See CSI section 09 97 63 00-0034 for labor costs.			
09 97 63 00-0012	CI	DuraTough DP		23.83	
09 97 63 00-0013	SF	DuraTough DL (One Coat 12 Mil)		203.00	
09 97 63 00-0014		ENESEAL Systems *(09 97 63 00-0003)*			
		Note: Material only.			
09 97 63 00-0015	SF	ENESEAL HR (One Coat 6 Mil)		1.74	
09 97 63 00-0016	SF	ENESEAL CR (Corrosion Resistant) (One Coat 6 Mil)		3.99	
09 97 63 00-0017		ENECETE Systems *(09 97 63 00-0003)*			
		Note: Material only.			
09 97 63 00-0018	SF	1/4" DuraQuartz		60.96	
09 97 63 00-0019	CI	WP (Superfast Water Plug)		1.31	
09 97 63 00-0020	SF	WS (Water Seal)		10.44	
09 97 63 00-0021	SF	DuraFill Bulk Resin (One Coat 6 Mil)		4.96	
09 97 63 00-0022	SF	Permaflex (Flexible Primer)		2.83	
09 97 63 00-0023	SF	Xypex		1.86	
09 97 63 00-0024		CHEMCLAD Systems *(09 97 63 00-0003)*			
		Note: Material only.			
09 97 63 00-0025	SF	Chemclad SC (One Coat 6 Mil)		11.61	
09 97 63 00-0026	SF	Chemclad XC (One Coat 8 Mil)		14.11	
09 97 63 00-0027	SF	Chemclad P4C Primer		3.10	
09 97 63 00-0028	SF	NSP 120 Potable Water		3.30	
09 97 63 00-0029		ENECLAD Systems *(09 97 63 00-0003)*			
		Note: Material only.			
09 97 63 00-0030	SF	Eneclad FPS 2000 (Floor Protection System) (One Coat 8 Mil)		5.16	
09 97 63 00-0031	SF	Eneclad Superbond (One Coat 4 Mil)		5.78	
09 97 63 00-0032	SF	Eneclad CFS (Clear Floor Sealer) (One Coat 2 Mil)		2.48	
09 97 63 00-0033	SF	Eneclad SPS (Self Priming Screed) (One Coat 1/8")		9.87	
09 97 63 00-0034		ENECON Crew For ENECON Coating Systems *(09 97 63 00-0003)*			
09 97 63 00-0035	DAY	ENECON 2 Man Crew For Application Of ENECON Products		1,500.00	
09 97 63 00-0036		Thortex Coatings *(09 97 63)*			
09 97 63 00-0037		Thortex Concrete Protection System *(09 97 63 00-0036)*			
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.			
09 97 63 00-0038	SF	1/4" Thortex Wall Tech L W Concrete Repair And Protection System		42.50	
		For >1,000, Deduct		*-2.50*	
09 97 63 00-0039	SF	1/4" Thortex Floor Tech P R Concrete Repair And Protection System		42.50	
		For >1,000, Deduct		*-2.50*	
09 97 63 00-0040	SF	Thortex Floor Tech RS (Resurfacing Screed) Floor Repair and Protection System		32.81	
		For >2,000, Deduct		*-1.75*	
09 97 63 00-0041		Thortex Floor Repair and Protection System *(09 97 63 00-0036)*			
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.			
09 97 63 00-0042	SF	Thortex Floor Tech HB Floor Repair and Protection System (One Coat 8-10 Mil Average)		3.85	
		For >5,000, Deduct		*-0.25*	
09 97 63 00-0043	SF	Thortex Floor Tech SP Primer (One Coat 4 Mil)		3.23	
		For >10,000, Deduct		*-0.15*	
09 97 63 00-0044		Thortex Chemical Protection System *(09 97 63 00-0036)*			
		Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.			
09 97 63 00-0045	SF	Thortex Chemi Tech UC/Hycote 175 Chemical Protection System (One Coat 10 Mil Average)		12.82	
		For >9500, Deduct		*-0.25*	
09 97 63 00-0046	SF	Thortex Chemi Tech USR Chemical Protection System (One Coat 20 Mil Average)		31.30	
		For >9500, Deduct		*-1.85*	
09 97 63 00-0047	SF	Thortex Chemi Tech CR Chemical Protection System (One Coat 10 Mil Average)		7.69	
		For >9500, Deduct		*-0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 63 00-0048	SF	Thortex Chemi Tech EP Chemical Protection System (One Coat 10 Mil Average)	4.61	
		For >9,500, Deduct	*-0.25*	

09 97 63 00-0049 Thortex Metal Repair Systems *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0050	CI	Thortex Metal Tech EG Metal Repair System	12.82	
		For >5,000, Deduct	*-0.75*	
09 97 63 00-0051	CI	Thortex Metal Tech RG Metal Repair System	23.07	
		For >5,000, Deduct	*-1.50*	
09 97 63 00-0052	CI	Thortex Metal Tech FG Metal Repair System	12.82	
		For >5,000, Deduct	*-0.75*	
09 97 63 00-0053	CI	Thortex Metal Tech XG Metal Repair System	12.82	
		For >5,000, Deduct	*-0.75*	
09 97 63 00-0054	CI	Thortex Metal Tech SG Metal Repair System	63.06	
09 97 63 00-0055	SF	Thortex Metal Tech Polymer pipe wrap system (1/4 inch wrap with mesh) per SF of pipe exterior (100 SF minimum)	364.02	

09 97 63 00-0056 Thortex Rubber Repair System *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0057	CI	Thortex Flexi Tech 80 FG Rubber Repair System	11.28	
		For >7,500, Deduct	*-0.75*	
09 97 63 00-0058	CI	Thortex Flexi Tech 80 EG Rubber Repair System	11.28	
		For >7,500, Deduct	*-0.75*	
09 97 63 00-0059	CI	Thortex Flexi Tech 80 BG Rubber Repair System	11.28	
		For >7,500, Deduct	*-0.75*	

09 97 63 00-0060 Thortex Ceramic Repair System *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0061	CI	Thortex Cerami Flex EG Ceramic Repair System	7.95	
		For >7,500, Deduct	*-0.50*	
09 97 63 00-0062	SF	Thortex Cerami Flex FG Ceramic Repair System	7.95	
		For >7,500, Deduct	*-0.50*	
09 97 63 00-0063	CI	Thortex Cerami Tech EG Ceramic Repair System	12.82	
		For >7,500, Deduct	*-0.75*	
09 97 63 00-0064	SF	Thortex Cerami Tech FG Ceramic Repair System	24.46	
		For >7,500, Deduct	*-1.50*	
09 97 63 00-0065	SF	Thortex Cerami Tech CR Ceramic Repair System	15.38	
		For >7,500, Deduct	*-1.50*	

09 97 63 00-0066 Thortex Corrosion Protection Systems *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0067	SF	Thortex Corro Tech GP Corrosion Protection System	4.36	
		For >7,500, Deduct	*-0.50*	

09 97 63 00-0068 Thortex Miscellaneous Coating Systems *(09 97 63 00-0036)*

Note: Material only. See CSI section 09 97 63 00-0071 for labor costs.

09 97 63 00-0069	SF	Thortex Glaze Tech Coating for Glass	4.30	
		For >10,750, Deduct	*-0.86*	
09 97 63 00-0070	SF	Thortex Therma Tech LG Encapsulation System	1.68	
		For >29,500, Deduct	*-0.29*	

09 97 63 00-0071 Thortex Crew for Thortex Coating Systems *(09 97 63 00-0036)*

Note: Includes all labor, equipment, subcontractor costs, travel expenses necessary to install tasks.

09 97 63 00-0072	DAY	Application Of Thortex Coating System, Per Man (Minimum 3 Men Per Crew) (3M Skotchkote) Note: Excludes grit blast and generator. Excludes material.	1,350.00	

END OF SECTION 09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 30 Operation and Maintenance of Fireplaces and Stoves *(10 01)*

10 01 30 00-0001 Fireplace Cleaning *(10 01 30)*

10 01 30 00-0002	EA	Inspect And Clean Fireplace Insert	239.74	
10 01 30 00-0003	EA	Inspect And Clean Fireplace Insert And Chimney	287.68	
10 01 30 00-0004	EA	Inspect And Clean Fireplace Brick/Masonry Chimney	383.58	

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*

Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.96	
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	21.07	
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.91	
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.80	
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	28.65	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.87	
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.69	
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	39.12	
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	61.75	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.63	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	161.30	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	225.82	
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	92.98	

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	408.42	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	321.61	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	276.78	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	234.55	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	135.31	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	47.95	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	9.59	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	52.61	12.15
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.47	5.71
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	28.06	4.93
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.78	3.22
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	18.54	1.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	55.24	12.15
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	35.04	5.71
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	30.42	4.93
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	25.64	3.22
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	21.34	1.79
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	50.99	12.15
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	30.82	5.71
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	26.47	4.93
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	21.46	3.22
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	17.06	1.79
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards *(10 11 13 13)*		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	14.76	
10 11 13 13-0022		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0023		Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	18.27	5.71
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	21.19	5.71
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	26.63	7.85
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	35.72	14.29
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	20.17	7.85
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	19.83	7.85
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.82	7.85
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	22.71	7.85
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.82	7.85
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,183.92	142.84
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,441.88	142.84
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,760.16	152.12
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,059.88	152.12
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,797.99	163.54
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,037.06	163.54
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,553.79	171.40
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,147.25	171.40
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,953.39	142.84
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,487.72	142.84
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,984.94	152.12
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,475.53	152.12
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,096.34	163.54
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,312.54	163.54
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,217.98	171.40
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,939.68	171.40
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,281.45	142.84
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,718.36	142.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,196.70	152.12
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,698.22	152.12
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,676.92	163.54
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,907.04	163.54
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,962.59	171.40
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,761.40	171.40
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,593.98	142.84
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,853.93	142.84
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,118.53	152.12
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,569.83	152.12
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,908.78	163.54
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,325.28	163.54
10 11 13 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,765.00	142.84
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,168.58	142.84
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,578.80	152.12
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,321.35	152.12
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,790.49	163.54
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,464.43	163.54
10 11 13 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,109.99	142.84
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,660.19	142.84
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,217.03	152.12
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,249.82	152.12
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,861.08	163.54
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,810.37	163.54
10 11 13 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,230.59	285.67
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,460.84	285.67
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,722.85	294.60
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,144.56	294.60
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,615.95	303.52
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,022.75	303.52
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,918.58	321.38
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,031.12	321.38
10 11 13 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,849.76	285.67
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,154.17	285.67
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,499.29	294.60
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,119.04	294.60
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,740.74	303.52
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,329.67	303.52
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,535.87	321.38
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,714.22	321.38
10 11 13 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,642.81	285.67
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,411.08	285.67
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,823.40	294.60
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,629.25	294.60
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,481.79	303.52
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,296.59	303.52
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,914.56	321.38
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,228.31	321.38
10 11 13 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	609.78	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,038.25	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

10 11 16 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	52.78	12.15
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	33.05	5.71
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	28.06	4.93
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.99	3.22
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.31	1.79

10 11 16 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	55.28	12.15
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	33.80	5.71
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.17	4.93
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.40	3.22
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.62	1.79

10 11 16 13-0014 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*

Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.

10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	50.97	12.15
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	30.83	5.71
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	27.68	4.93
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	21.58	3.22
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	16.78	1.79

10 11 16 13-0020 Melamine Markerboards *(10 11 16 13)*

10 11 16 13-0021 1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	43.34	12.15
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	25.56	5.71
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.15	4.93
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	16.36	3.22
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.80	1.79

10 11 16 13-0027 1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*

Note: Includes marker tray and mounting hardware.

10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	42.49	12.15
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	25.16	5.71
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	21.59	4.93
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.37	3.22
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.90	1.79

10 11 16 13-0033 Nonporous, Non-Staining Markerboards *(10 11 16 13)*

10 11 16 13-0034 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	61.89	12.15
		For Magnetic Surface, Add	*3.76*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	40.05	5.71
		For Magnetic Surface, Add	*2.86*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	34.53	4.93
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	30.13	3.22
		For Magnetic Surface, Add	*2.37*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	25.68	1.79
		For Magnetic Surface, Add	*2.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	61.89	12.15
		For Magnetic Surface, Add	*3.76*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	40.05	5.71
		For Magnetic Surface, Add	*2.86*	
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	34.53	4.93
		For Magnetic Surface, Add	*2.47*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	30.13	3.22
		For Magnetic Surface, Add	*2.37*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	25.68	1.79
		For Magnetic Surface, Add	*2.21*	
10 11 16 13-0046		1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	108.49	12.15
		For Magnetic Surface, Add	*8.42*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	68.05	5.71
		For Magnetic Surface, Add	*5.66*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	57.53	4.93
		For Magnetic Surface, Add	*4.77*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	48.32	3.22
		For Magnetic Surface, Add	*4.19*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	37.30	1.79
		For Magnetic Surface, Add	*3.37*	
10 11 16 13-0052		Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*		
		Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	27.63	4.93
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	23.28	3.22
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	19.28	1.79
10 11 16 13-0056		Removal And Reinstallation Of Markerboard *(10 11 16 13)*		
		Note: Includes storage and cleaning.		
10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	85.70	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	99.99	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	114.27	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	128.55	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	142.84	
10 11 16 13-0062		Field Applied Markerboard And Accessories *(10 11 16 13)*		
10 11 16 13-0063		Markerboard Face Sheets And Panels *(10 11 16 13-0062)*		
10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS)	18.03	5.71
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick)	20.65	5.71
		Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.		
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS)	20.59	5.71
		Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.		
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032)	13.27	5.71
		Note: Includes 1/4" thick melamine panel.		
10 11 16 13-0068		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*		
		See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.		
10 11 16 33		**Rail-Mounted Markerboards** *(10 11 16)*		
10 11 16 33-0001		Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*		
10 11 16 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,158.63	142.84
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,408.16	142.84
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,718.01	152.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,009.29	152.12
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,738.98	163.54
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,969.62	163.54
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,469.49	171.40
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,046.09	171.40
10 11 16 33-0011		**Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0001)*		
10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,928.09	142.84
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,453.99	142.84
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,942.79	152.12
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,424.95	152.12
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,037.33	163.54
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,245.10	163.54
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,133.68	171.40
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,838.52	171.40
10 11 16 33-0020		**Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,256.16	142.84
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,684.63	142.84
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,154.54	152.12
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,647.64	152.12
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,617.90	163.54
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,839.60	163.54
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,878.29	171.40
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,685.53	171.40
10 11 16 33-0029		**Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series)** *(10 11 16 33)*		
10 11 16 33-0030		**One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,560.26	142.84
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,811.78	142.84
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,067.95	152.12
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,502.39	152.12
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,824.47	163.54
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,224.12	163.54
10 11 16 33-0037		**Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,697.56	142.84
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,084.28	142.84
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,477.64	152.12
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,186.46	152.12
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,621.88	163.54
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,262.11	163.54
10 11 16 33-0044		**Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,008.83	142.84
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,533.74	142.84
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,065.28	152.12
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,047.49	152.12
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,608.17	163.54
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,506.87	163.54
10 11 16 33-0051		**Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series)** *(10 11 16 33)* Note: Excludes remotes.		
10 11 16 33-0052		**One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,188.44	285.67
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,408.15	285.67
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,659.62	294.60
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,060.26	294.60
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,510.57	303.52
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,896.29	303.52
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,771.05	321.38
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,862.51	321.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0061		**Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,765.46	285.67
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,048.79	285.67
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,372.84	294.60
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,950.43	294.60
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,529.98	303.52
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,076.76	303.52
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,240.81	321.38
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,377.00	321.38
10 11 16 33-0070		**Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards** *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,516.35	285.67
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,253.01	285.67
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,633.72	294.60
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,376.34	294.60
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,165.66	303.52
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,917.23	303.52
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,471.97	321.38
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,722.49	321.38
10 11 16 33-0079		**Sliding Chalkboard And Markerboard Accessories** *(10 11 16 33)*		

See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.

10 11 16 53 Electronic Markerboards *(10 11 16)*

10 11 16 53-0001		**Interactive White Boards** *(10 11 16 53)*	
10 11 16 53-0002	EA	Mobile System, ActivBoard 378 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB 378 Mobile System) Note: Includes ActivBoard 378, ActivInspire Professional software, AB2 mobile mount and ultra-short throw projector.	11,010.20
10 11 16 53-0003	EA	Mobile System, ActivBoard 387 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB 387 Mobile System) Note: Includes ActivBoard 387, ActivInspire Professional software, AB2 mobile mount and ultra-short throw projector.	11,471.33
10 11 16 53-0004	EA	Fixed Mount, ActivBoard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	9,310.10
10 11 16 53-0005	EA	Fixed Mount, ActivBoard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	9,695.19
10 11 16 53-0006	EA	Fixed Mount, ActivBoard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Fixed Short Throw Bundle - 395 PRO) Note: Includes ActivBoard 395 PRO, AB+2 fixed mount, dual pen, integrated speakers, short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	10,482.53
10 11 16 53-0007	EA	Fixed Mount, ActivBoard 378 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra-short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	10,259.33
10 11 16 53-0008	EA	Fixed Mount, ActivBoard 387 PRO Interactive White Board With Ultra-Short Throw Projector (Promethean AB+2 Fixed Ultra Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 fixed mount, dual pen, integrated speakers, ultra-short throw projector, Activinspire Professional software, auxiliary kit and over the board mounting kit.	11,505.34
10 11 16 53-0009	EA	Adjustable Mount, ActivBoard 378 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	11,183.87
10 11 16 53-0010	EA	Adjustable Mount, ActivBoard 387 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	11,551.79
10 11 16 53-0011	EA	Adjustable Mount, ActivBoard 395 PRO Interactive White Board With Short Throw Projector (Promethean AB+2 Adjustable Short Throw Bundle - 395 PRO) Note: Includes ActivBoard 395 PRO, AB+2 Adjustable Mount, short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	18,824.28
10 11 16 53-0012	EA	Adjustable Mount, ActivBoard 378 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra-Short Throw Bundle - 378 PRO) Note: Includes ActivBoard 378 PRO, AB+2 Adjustable Mount, ultra-short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	13,315.33
10 11 16 53-0013	EA	Adjustable Mount, ActivBoard 387 PRO Interactive White Board With Ultra Short Throw Projector (Promethean AB+2 Adjustable Ultra-Short Throw Bundle - 387 PRO) Note: Includes ActivBoard 387 PRO, AB+2 Adjustable Mount, ultra-short throw projector, ActivInspire software, integrated speakers, dual pen and auxiliary kit.	12,309.69

10 11 23 Tackboards *(10 11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13		**Fixed Tackboards** *(10 11 23)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)* Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	37.62	12.15
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	20.71	5.71
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.93	4.93
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.88	3.22
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.84	1.79
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	39.19	12.15
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.44	5.71
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.55	4.93
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.30	3.22
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.93	1.79
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	39.36	12.15
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	22.97	5.71
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.03	4.93
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.82	3.22
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.05	1.79
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.17	12.15
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	26.18	5.71
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.71	4.93
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.68	3.22
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	16.74	1.79
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	45.99	12.15
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	30.25	5.71
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.81	4.93
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.66	3.22
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	18.92	1.79
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	38.70	12.15
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	22.03	5.71
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.42	4.93
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.41	3.22
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.21	1.79
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	40.85	12.15
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	24.83	5.71
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	22.77	4.93
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	17.73	3.22
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.04	1.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	37.62	12.15
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	20.79	5.71
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.05	4.93
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	13.88	3.22
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.65	1.79
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	39.36	12.15
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	23.74	5.71
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.03	4.93
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.82	3.22
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.05	1.79

10 12 Display Cases *(10 10)*

10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	2,125.46	218.82
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,294.60	218.82
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	2,225.72	218.82
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	2,202.61	97.27
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	4,419.85	218.82
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,890.20	218.82

10 13 Directories *(10 10)*

10 13 11 Directory and Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	57.75	12.15
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	36.53	5.71
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	33.05	4.93
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	24.94	3.22
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	19.48	1.79
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	58.25	12.15
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	36.86	5.71
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	33.71	4.93
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	23.86	3.22
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	19.97	1.79
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0015		Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016		Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*		
10 13 11 00-0017		Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	132.48	12.15
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	103.97	5.71
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.14	4.93
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	79.94	3.22
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	71.67	1.79
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	114.91	12.15
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	89.91	4.93
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	64.29	3.22
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	57.25	1.79
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	119.31	12.15
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.01*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	90.31	5.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.78*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	76.47	4.93
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.32*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	55.97	3.22
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.91*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	51.54	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.59*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	180.12	12.15
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*31.17*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	103.90	5.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.49*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	87.59	4.93
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.55*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	67.19	3.22
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.15*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	61.49	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.58*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	177.05	12.15
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	116.90	5.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	113.24	4.93
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	129.49	12.15
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	101.73	5.71
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.91	4.93
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.83	3.22
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.67	1.79
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	109.61	12.15
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	84.87	4.93
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	60.39	3.22
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.27	1.79
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	122.04	12.15
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.55*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	93.03	5.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.32*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	79.19	4.93
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.87*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	58.70	3.22
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.46*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.27	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.14*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	182.85	12.15
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*31.71*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	106.62	5.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*19.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	90.31	4.93
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*16.09*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	69.92	3.22
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.70*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	64.21	1.79
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.13*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	174.32	12.15
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	114.18	5.71
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	110.54	4.93
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	374.91	35.70
		For >5 To 10, Deduct	*-39.81*	
		For >10 Each, Deduct	*-63.02*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	395.35	35.70
		For >5 To 10, Deduct	*-42.06*	
		For >10 Each, Deduct	*-67.32*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	429.74	35.70
		For >5 To 10, Deduct	*-45.84*	
		For >10 Each, Deduct	*-74.54*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	403.65	35.70
		For >5 To 10, Deduct	*-42.97*	
		For >10 Each, Deduct	*-69.06*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	291.01	35.70
		For >5 To 10, Deduct	*-30.58*	
		For >10 Each, Deduct	*-45.41*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	282.71	35.70
		For >5 To 10, Deduct	*-29.67*	
		For >10 Each, Deduct	*-43.66*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each	327.51	44.26
		For >5 To 10, Deduct	*-34.24*	
		For >10 Each, Deduct	*-49.14*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque Note: Including Emblem Size 1-4 SF Each	332.02	44.26
		For >5 To 10, Deduct	*-34.74*	
		For >10 Each, Deduct	*-50.09*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque Note: Including Emblem Size 1-4 SF Each	447.65	44.26
		For >5 To 10, Deduct	*-47.46*	
		For >10 Each, Deduct	*-74.37*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque Note: Including Raised Bronze Lettering	362.91	89.24
		For >5 To 10, Deduct	*-38.14*	
		For >10 Each, Deduct	*-56.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0014	SF	Bronze Built-up Plaque Note: Including Raised Bronze Lettering	325.27	89.24
		For >5 To 10, Deduct	*-33.99*	
		For >10 Each, Deduct	*-48.67*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	170.49	24.28
		For >5 To 10, Deduct	*-17.80*	
		For >10 Each, Deduct	*-25.33*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	302.73	24.28
		For >5 To 10, Deduct	*-32.35*	
		For >10 Each, Deduct	*-53.10*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	140.38	24.28
		For >5 To 10, Deduct	*-14.49*	
		For >10 Each, Deduct	*-19.01*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	166.36	24.28
		For >5 To 10, Deduct	*-17.35*	
		For >10 Each, Deduct	*-24.46*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering	319.89	89.24
		For >5 To 10, Deduct	*-33.40*	
		For >10 Each, Deduct	*-47.54*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	61.36	8.93
		For Installation With Adhesive, Deduct	*-6.64*	
		For Clear Anodized, Add	*2.57*	
		For Satin Face And Enameled Return, Add	*7.70*	
		For Patina Finish, Add	*10.26*	
		For Color Anodized, Add	*12.83*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	72.12	9.64
		For Installation With Adhesive, Deduct	*-7.46*	
		For Clear Anodized, Add	*3.36*	
		For Satin Face And Enameled Return, Add	*10.07*	
		For Patina Finish, Add	*13.42*	
		For Color Anodized, Add	*16.78*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	78.91	10.35
		For Installation With Adhesive, Deduct	*-8.09*	
		For Clear Anodized, Add	*3.75*	
		For Satin Face And Enameled Return, Add	*11.25*	
		For Patina Finish, Add	*15.00*	
		For Color Anodized, Add	*18.75*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	90.55	11.85
		For Installation With Adhesive, Deduct	*-9.24*	
		For Clear Anodized, Add	*4.34*	
		For Satin Face And Enameled Return, Add	*13.03*	
		For Patina Finish, Add	*17.37*	
		For Color Anodized, Add	*21.72*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	99.32	12.49
		For Installation With Adhesive, Deduct	*-9.96*	
		For Clear Anodized, Add	*4.94*	
		For Satin Face And Enameled Return, Add	*14.81*	
		For Patina Finish, Add	*19.74*	
		For Color Anodized, Add	*24.68*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	118.31	14.28
		For Installation With Adhesive, Deduct	*-11.63*	
		For Clear Anodized, Add	*6.12*	
		For Satin Face And Enameled Return, Add	*18.36*	
		For Patina Finish, Add	*24.48*	
		For Color Anodized, Add	*30.60*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	131.03	15.00
		For Installation With Adhesive, Deduct	*-12.55*	
		For Clear Anodized, Add	*7.11*	
		For Satin Face And Enameled Return, Add	*21.32*	
		For Patina Finish, Add	*28.42*	
		For Color Anodized, Add	*35.53*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	149.13	16.06
		For Installation With Adhesive, Deduct	*-13.88*	
		For Clear Anodized, Add	*8.49*	
		For Satin Face And Enameled Return, Add	*25.46*	
		For Patina Finish, Add	*33.95*	
		For Color Anodized, Add	*42.44*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	180.84	18.56
		For Installation With Adhesive, Deduct	*-16.47*	
		For Clear Anodized, Add	*10.66*	
		For Satin Face And Enameled Return, Add	*31.98*	
		For Patina Finish, Add	*42.64*	
		For Color Anodized, Add	*53.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	215.95	21.42
		For Installation With Adhesive, Deduct	*-19.36*	
		For Clear Anodized, Add	*13.03*	
		For Satin Face And Enameled Return, Add	*39.08*	
		For Patina Finish, Add	*52.11*	
		For Color Anodized, Add	*65.14*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	237.36	23.80
		For Installation With Adhesive, Deduct	*-21.39*	
		For Clear Anodized, Add	*14.21*	
		For Satin Face And Enameled Return, Add	*42.64*	
		For Patina Finish, Add	*56.85*	
		For Color Anodized, Add	*71.06*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	264.67	25.70
		For Installation With Adhesive, Deduct	*-23.51*	
		For Clear Anodized, Add	*16.19*	
		For Satin Face And Enameled Return, Add	*48.56*	
		For Patina Finish, Add	*64.74*	
		For Color Anodized, Add	*80.93*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	319.52	28.55
		For Installation With Adhesive, Deduct	*-27.40*	
		For Clear Anodized, Add	*20.53*	
		For Satin Face And Enameled Return, Add	*61.59*	
		For Patina Finish, Add	*82.12*	
		For Color Anodized, Add	*102.65*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	385.12	32.12
		For Installation With Adhesive, Deduct	*-32.11*	
		For Clear Anodized, Add	*25.66*	
		For Satin Face And Enameled Return, Add	*76.98*	
		For Patina Finish, Add	*102.64*	
		For Color Anodized, Add	*128.31*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	462.56	35.70
		For Installation With Adhesive, Deduct	*-37.41*	
		For Clear Anodized, Add	*31.98*	
		For Satin Face And Enameled Return, Add	*95.93*	
		For Patina Finish, Add	*127.91*	
		For Color Anodized, Add	*159.89*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	74.77	9.82
		For Installation With Adhesive, Deduct	*-7.67*	
		For Oxidized Finish, Add	*5.33*	
		For Polished Or Patina Finish, Add	*10.65*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	105.39	10.70
		For Installation With Adhesive, Deduct	*-9.55*	
		For Oxidized Finish, Add	*9.38*	
		For Polished Or Patina Finish, Add	*18.77*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	115.00	11.43
		For Installation With Adhesive, Deduct	*-10.32*	
		For Oxidized Finish, Add	*10.40*	
		For Polished Or Patina Finish, Add	*20.79*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	139.31	12.85
		For Installation With Adhesive, Deduct	*-12.11*	
		For Oxidized Finish, Add	*13.19*	
		For Polished Or Patina Finish, Add	*26.37*	
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	154.72	13.71
		For Installation With Adhesive, Deduct	*-13.23*	
		For Oxidized Finish, Add	*14.96*	
		For Polished Or Patina Finish, Add	*29.92*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	204.84	15.71
		For Installation With Adhesive, Deduct	*-16.53*	
		For Oxidized Finish, Add	*21.30*	
		For Polished Or Patina Finish, Add	*42.60*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	233.05	16.42
		For Installation With Adhesive, Deduct	*-18.22*	
		For Oxidized Finish, Add	*25.11*	
		For Polished Or Patina Finish, Add	*50.21*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	260.73	17.85
		For Installation With Adhesive, Deduct	*-20.18*	
		For Oxidized Finish, Add	*28.40*	
		For Polished Or Patina Finish, Add	*56.80*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	309.36	20.70
		For Installation With Adhesive, Deduct	*-23.75*	
		For Oxidized Finish, Add	*33.98*	
		For Polished Or Patina Finish, Add	*67.96*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	363.04	23.56
		For Installation With Adhesive, Deduct	*-27.58*	
		For Oxidized Finish, Add	*40.32*	
		For Polished Or Patina Finish, Add	*80.64*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	430.37	28.55
		For Installation With Adhesive, Deduct	*-32.94*	
		For Oxidized Finish, Add	*47.42*	
		For Polished Or Patina Finish, Add	*94.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	447.39	30.70
		For Installation With Adhesive, Deduct	*-34.65*	
		For Oxidized Finish, Add	*48.69*	
		For Polished Or Patina Finish, Add	*97.38*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	631.36	35.70
		For Installation With Adhesive, Deduct	*-45.85*	
		For Oxidized Finish, Add	*73.29*	
		For Polished Or Patina Finish, Add	*146.57*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	759.09	40.16
		For Installation With Adhesive, Deduct	*-54.02*	
		For Oxidized Finish, Add	*89.77*	
		For Polished Or Patina Finish, Add	*179.54*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	963.28	46.40
		For Installation With Adhesive, Deduct	*-66.73*	
		For Oxidized Finish, Add	*116.65*	
		For Polished Or Patina Finish, Add	*233.30*	

10 14 19 00-0034 Molded Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	47.59	7.14
		For Installation With Adhesive, Deduct	*-5.23*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	51.61	7.85
		For Installation With Adhesive, Deduct	*-5.72*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	56.95	8.56
		For Installation With Adhesive, Deduct	*-6.27*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	71.98	9.28
		For Installation With Adhesive, Deduct	*-7.31*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	77.76	9.99
		For Installation With Adhesive, Deduct	*-7.89*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	84.16	10.70
		For Installation With Adhesive, Deduct	*-8.49*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	98.08	12.49
		For Installation With Adhesive, Deduct	*-9.90*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	128.82	15.71
		For Installation With Adhesive, Deduct	*-12.72*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	163.20	18.56
		For Installation With Adhesive, Deduct	*-15.59*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	239.00	22.85
		For Installation With Adhesive, Deduct	*-21.09*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	350.83	26.78
		For Installation With Adhesive, Deduct	*-28.25*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	458.04	30.70
		For Installation With Adhesive, Deduct	*-35.18*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	847.39	41.05
		For Installation With Adhesive, Deduct	*-58.79*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	57.41	8.93
		For Installation With Adhesive, Deduct	*-6.44*	
		For Clear Anodized, Add	*2.17*	
		For Satin Face And Enameled Return, Add	*7.60*	
		For Color Anodized, Add	*10.86*	
		For Polished Or Patina Finish, Add	*10.86*	
		For Polished Anodized Finish, Add	*16.28*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	78.91	10.35
		For Installation With Adhesive, Deduct	*-8.09*	
		For Clear Anodized, Add	*3.75*	
		For Satin Face And Enameled Return, Add	*13.13*	
		For Color Anodized, Add	*18.75*	
		For Polished Or Patina Finish, Add	*18.75*	
		For Polished Anodized Finish, Add	*28.13*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	105.24	12.49
		For Installation With Adhesive, Deduct	*-10.26*	
		For Clear Anodized, Add	*5.53*	
		For Satin Face And Enameled Return, Add	*19.34*	
		For Color Anodized, Add	*27.64*	
		For Polished Or Patina Finish, Add	*27.64*	
		For Polished Anodized Finish, Add	*41.45*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	128.18	14.28
		For Installation With Adhesive, Deduct	*-12.12*	
		For Clear Anodized, Add	*7.11*	
		For Satin Face And Enameled Return, Add	*24.87*	
		For Color Anodized, Add	*35.53*	
		For Polished Or Patina Finish, Add	*35.53*	
		For Polished Anodized Finish, Add	*53.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	147.15	16.06
		For Installation With Adhesive, Deduct	*-13.78*	
		For Clear Anodized, Add	*8.29*	
		For Satin Face And Enameled Return, Add	*29.02*	
		For Color Anodized, Add	*41.45*	
		For Polished Or Patina Finish, Add	*41.45*	
		For Polished Anodized Finish, Add	*62.18*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	169.00	18.56
		For Installation With Adhesive, Deduct	*-15.88*	
		For Clear Anodized, Add	*9.48*	
		For Satin Face And Enameled Return, Add	*33.16*	
		For Color Anodized, Add	*47.38*	
		For Polished Or Patina Finish, Add	*47.38*	
		For Polished Anodized Finish, Add	*71.06*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	198.18	21.42
		For Installation With Adhesive, Deduct	*-18.48*	
		For Clear Anodized, Add	*11.25*	
		For Satin Face And Enameled Return, Add	*39.38*	
		For Color Anodized, Add	*56.26*	
		For Polished Or Patina Finish, Add	*56.26*	
		For Polished Anodized Finish, Add	*84.38*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	235.06	25.70
		For Installation With Adhesive, Deduct	*-22.03*	
		For Clear Anodized, Add	*13.23*	
		For Satin Face And Enameled Return, Add	*46.29*	
		For Color Anodized, Add	*66.13*	
		For Polished Or Patina Finish, Add	*66.13*	
		For Polished Anodized Finish, Add	*99.19*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	264.25	28.55
		For Installation With Adhesive, Deduct	*-24.64*	
		For Clear Anodized, Add	*15.00*	
		For Satin Face And Enameled Return, Add	*52.51*	
		For Color Anodized, Add	*75.01*	
		For Polished Or Patina Finish, Add	*75.01*	
		For Polished Anodized Finish, Add	*112.52*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	316.03	32.12
		For Installation With Adhesive, Deduct	*-28.65*	
		For Clear Anodized, Add	*18.75*	
		For Satin Face And Enameled Return, Add	*65.63*	
		For Color Anodized, Add	*93.76*	
		For Polished Or Patina Finish, Add	*93.76*	
		For Polished Anodized Finish, Add	*140.64*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	360.68	33.91
		For Installation With Adhesive, Deduct	*-31.60*	
		For Clear Anodized, Add	*22.50*	
		For Satin Face And Enameled Return, Add	*78.76*	
		For Color Anodized, Add	*112.52*	
		For Polished Or Patina Finish, Add	*112.52*	
		For Polished Anodized Finish, Add	*168.77*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	442.83	35.70
		For Installation With Adhesive, Deduct	*-36.42*	
		For Clear Anodized, Add	*30.00*	
		For Satin Face And Enameled Return, Add	*105.01*	
		For Color Anodized, Add	*150.02*	
		For Polished Or Patina Finish, Add	*150.02*	
		For Polished Anodized Finish, Add	*225.03*	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	628.64	42.84
		For Installation With Adhesive, Deduct	*-48.57*	
		For Clear Anodized, Add	*45.73*	
		For Satin Face And Enameled Return, Add	*160.05*	
		For Color Anodized, Add	*228.65*	
		For Polished Or Patina Finish, Add	*228.65*	
		For Polished Anodized Finish, Add	*342.97*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	71.31	8.93
		For Installation With Adhesive, Deduct	*-7.14*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*12.46*	
		For Color Anodized, Add	*17.81*	
		For Polished Or Patina Finish, Add	*17.81*	
		For Polished Anodized Finish, Add	*26.71*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	100.67	10.35
		For Installation With Adhesive, Deduct	*-9.17*	
		For Clear Anodized, Add	*5.93*	
		For Satin Face And Enameled Return, Add	*20.74*	
		For Color Anodized, Add	*29.63*	
		For Polished Or Patina Finish, Add	*29.63*	
		For Polished Anodized Finish, Add	*44.45*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	126.79	12.49
		For Installation With Adhesive, Deduct	*-11.34*	
		For Clear Anodized, Add	*7.68*	
		For Satin Face And Enameled Return, Add	*26.89*	
		For Color Anodized, Add	*38.41*	
		For Polished Or Patina Finish, Add	*38.41*	
		For Polished Anodized Finish, Add	*57.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	158.03	14.28
		For Installation With Adhesive, Deduct	*-13.61*	
		For Clear Anodized, Add	*10.09*	
		For Satin Face And Enameled Return, Add	*35.32*	
		For Color Anodized, Add	*50.46*	
		For Polished Or Patina Finish, Add	*50.46*	
		For Polished Anodized Finish, Add	*75.68*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	182.80	16.06
		For Installation With Adhesive, Deduct	*-15.57*	
		For Clear Anodized, Add	*11.86*	
		For Satin Face And Enameled Return, Add	*41.49*	
		For Color Anodized, Add	*59.28*	
		For Polished Or Patina Finish, Add	*59.28*	
		For Polished Anodized Finish, Add	*88.91*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	214.48	18.56
		For Installation With Adhesive, Deduct	*-18.15*	
		For Clear Anodized, Add	*14.02*	
		For Satin Face And Enameled Return, Add	*49.08*	
		For Color Anodized, Add	*70.12*	
		For Polished Or Patina Finish, Add	*70.12*	
		For Polished Anodized Finish, Add	*105.17*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	251.06	21.42
		For Installation With Adhesive, Deduct	*-21.12*	
		For Clear Anodized, Add	*16.54*	
		For Satin Face And Enameled Return, Add	*57.89*	
		For Color Anodized, Add	*82.70*	
		For Polished Or Patina Finish, Add	*82.70*	
		For Polished Anodized Finish, Add	*124.04*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	310.45	25.70
		For Installation With Adhesive, Deduct	*-25.80*	
		For Clear Anodized, Add	*20.76*	
		For Satin Face And Enameled Return, Add	*72.67*	
		For Color Anodized, Add	*103.82*	
		For Polished Or Patina Finish, Add	*103.82*	
		For Polished Anodized Finish, Add	*155.73*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	358.76	28.55
		For Installation With Adhesive, Deduct	*-29.36*	
		For Clear Anodized, Add	*24.45*	
		For Satin Face And Enameled Return, Add	*85.59*	
		For Color Anodized, Add	*122.27*	
		For Polished Or Patina Finish, Add	*122.27*	
		For Polished Anodized Finish, Add	*183.40*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	415.42	32.12
		For Installation With Adhesive, Deduct	*-33.62*	
		For Clear Anodized, Add	*28.69*	
		For Satin Face And Enameled Return, Add	*100.42*	
		For Color Anodized, Add	*143.46*	
		For Polished Or Patina Finish, Add	*143.46*	
		For Polished Anodized Finish, Add	*215.18*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	464.19	33.91
		For Installation With Adhesive, Deduct	*-36.77*	
		For Clear Anodized, Add	*32.85*	
		For Satin Face And Enameled Return, Add	*114.99*	
		For Color Anodized, Add	*164.27*	
		For Polished Or Patina Finish, Add	*164.27*	
		For Polished Anodized Finish, Add	*246.41*	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	514.83	35.70
		For Installation With Adhesive, Deduct	*-40.02*	
		For Clear Anodized, Add	*37.20*	
		For Satin Face And Enameled Return, Add	*130.21*	
		For Color Anodized, Add	*186.02*	
		For Polished Or Patina Finish, Add	*186.02*	
		For Polished Anodized Finish, Add	*279.03*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	704.31	42.84
		For Installation With Adhesive, Deduct	*-52.35*	
		For Clear Anodized, Add	*53.30*	
		For Satin Face And Enameled Return, Add	*186.54*	
		For Color Anodized, Add	*266.48*	
		For Polished Or Patina Finish, Add	*266.48*	
		For Polished Anodized Finish, Add	*399.72*	

10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	87.38	8.93
		For Installation With Adhesive, Deduct	*-7.94*	
		For Clear Anodized, Add	*5.17*	
		For Satin Face And Enameled Return, Add	*18.09*	
		For Color Anodized, Add	*25.84*	
		For Polished Or Patina Finish, Add	*25.84*	
		For Polished Anodized Finish, Add	*38.76*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	112.29	10.35
		For Installation With Adhesive, Deduct	*-9.76*	
		For Clear Anodized, Add	*7.09*	
		For Satin Face And Enameled Return, Add	*24.81*	
		For Color Anodized, Add	*35.44*	
		For Polished Or Patina Finish, Add	*35.44*	
		For Polished Anodized Finish, Add	*53.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	140.61	12.49
		For Installation With Adhesive, Deduct	*-12.03*	
		For Clear Anodized, Add	*9.06*	
		For Satin Face And Enameled Return, Add	*31.72*	
		For Color Anodized, Add	*45.32*	
		For Polished Or Patina Finish, Add	*45.32*	
		For Polished Anodized Finish, Add	*67.98*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	165.84	14.28
		For Installation With Adhesive, Deduct	*-14.00*	
		For Clear Anodized, Add	*10.87*	
		For Satin Face And Enameled Return, Add	*38.05*	
		For Color Anodized, Add	*54.36*	
		For Polished Or Patina Finish, Add	*54.36*	
		For Polished Anodized Finish, Add	*81.54*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	192.75	16.06
		For Installation With Adhesive, Deduct	*-16.06*	
		For Clear Anodized, Add	*12.85*	
		For Satin Face And Enameled Return, Add	*44.98*	
		For Color Anodized, Add	*64.25*	
		For Polished Or Patina Finish, Add	*64.25*	
		For Polished Anodized Finish, Add	*96.38*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	236.27	18.56
		For Installation With Adhesive, Deduct	*-19.24*	
		For Clear Anodized, Add	*16.20*	
		For Satin Face And Enameled Return, Add	*56.71*	
		For Color Anodized, Add	*81.01*	
		For Polished Or Patina Finish, Add	*81.01*	
		For Polished Anodized Finish, Add	*121.52*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	290.44	21.42
		For Installation With Adhesive, Deduct	*-23.09*	
		For Clear Anodized, Add	*20.48*	
		For Satin Face And Enameled Return, Add	*71.67*	
		For Color Anodized, Add	*102.39*	
		For Polished Or Patina Finish, Add	*102.39*	
		For Polished Anodized Finish, Add	*153.58*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	351.44	25.70
		For Installation With Adhesive, Deduct	*-27.85*	
		For Clear Anodized, Add	*24.86*	
		For Satin Face And Enameled Return, Add	*87.02*	
		For Color Anodized, Add	*124.32*	
		For Polished Or Patina Finish, Add	*124.32*	
		For Polished Anodized Finish, Add	*186.47*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	424.77	28.55
		For Installation With Adhesive, Deduct	*-32.66*	
		For Clear Anodized, Add	*31.05*	
		For Satin Face And Enameled Return, Add	*108.69*	
		For Color Anodized, Add	*155.27*	
		For Polished Or Patina Finish, Add	*155.27*	
		For Polished Anodized Finish, Add	*232.91*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	499.80	32.12
		For Installation With Adhesive, Deduct	*-37.84*	
		For Clear Anodized, Add	*37.13*	
		For Satin Face And Enameled Return, Add	*129.95*	
		For Color Anodized, Add	*185.65*	
		For Polished Or Patina Finish, Add	*185.65*	
		For Polished Anodized Finish, Add	*278.47*	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	572.20	33.91
		For Installation With Adhesive, Deduct	*-42.18*	
		For Clear Anodized, Add	*43.66*	
		For Satin Face And Enameled Return, Add	*152.79*	
		For Color Anodized, Add	*218.28*	
		For Polished Or Patina Finish, Add	*218.28*	
		For Polished Anodized Finish, Add	*327.41*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	640.85	35.70
		For Installation With Adhesive, Deduct	*-46.32*	
		For Clear Anodized, Add	*49.81*	
		For Satin Face And Enameled Return, Add	*174.32*	
		For Color Anodized, Add	*249.03*	
		For Polished Or Patina Finish, Add	*249.03*	
		For Polished Anodized Finish, Add	*373.55*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	885.51	42.84
		For Installation With Adhesive, Deduct	*-61.41*	
		For Clear Anodized, Add	*71.42*	
		For Satin Face And Enameled Return, Add	*249.96*	
		For Color Anodized, Add	*357.08*	
		For Polished Or Patina Finish, Add	*357.08*	
		For Polished Anodized Finish, Add	*535.62*	

10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	91.07	8.93
		For Installation With Adhesive, Deduct	*-8.12*	
		For Clear Anodized, Add	*5.54*	
		For Satin Face And Enameled Return, Add	*19.38*	
		For Color Anodized, Add	*27.69*	
		For Polished Or Patina Finish, Add	*27.69*	
		For Polished Anodized Finish, Add	*41.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	116.42	10.35
		For Installation With Adhesive, Deduct	*-9.96*	
		For Clear Anodized, Add	*7.50*	
		For Satin Face And Enameled Return, Add	*26.25*	
		For Color Anodized, Add	*37.51*	
		For Polished Or Patina Finish, Add	*37.51*	
		For Polished Anodized Finish, Add	*56.26*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	152.77	12.49
		For Installation With Adhesive, Deduct	*-12.64*	
		For Clear Anodized, Add	*10.28*	
		For Satin Face And Enameled Return, Add	*35.98*	
		For Color Anodized, Add	*51.40*	
		For Polished Or Patina Finish, Add	*51.40*	
		For Polished Anodized Finish, Add	*77.10*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	201.37	14.28
		For Installation With Adhesive, Deduct	*-15.78*	
		For Clear Anodized, Add	*14.43*	
		For Satin Face And Enameled Return, Add	*50.49*	
		For Color Anodized, Add	*72.13*	
		For Polished Or Patina Finish, Add	*72.13*	
		For Polished Anodized Finish, Add	*108.19*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	251.61	16.06
		For Installation With Adhesive, Deduct	*-19.01*	
		For Clear Anodized, Add	*18.74*	
		For Satin Face And Enameled Return, Add	*65.58*	
		For Color Anodized, Add	*93.68*	
		For Polished Or Patina Finish, Add	*93.68*	
		For Polished Anodized Finish, Add	*140.52*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	314.91	18.56
		For Installation With Adhesive, Deduct	*-23.17*	
		For Clear Anodized, Add	*24.07*	
		For Satin Face And Enameled Return, Add	*84.23*	
		For Color Anodized, Add	*120.33*	
		For Polished Or Patina Finish, Add	*120.33*	
		For Polished Anodized Finish, Add	*180.50*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	391.71	21.42
		For Installation With Adhesive, Deduct	*-28.15*	
		For Clear Anodized, Add	*30.60*	
		For Satin Face And Enameled Return, Add	*107.11*	
		For Color Anodized, Add	*153.02*	
		For Polished Or Patina Finish, Add	*153.02*	
		For Polished Anodized Finish, Add	*229.53*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	483.70	25.70
		For Installation With Adhesive, Deduct	*-34.47*	
		For Clear Anodized, Add	*38.09*	
		For Satin Face And Enameled Return, Add	*133.31*	
		For Color Anodized, Add	*190.45*	
		For Polished Or Patina Finish, Add	*190.45*	
		For Polished Anodized Finish, Add	*285.67*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	589.79	28.55
		For Installation With Adhesive, Deduct	*-40.91*	
		For Clear Anodized, Add	*47.56*	
		For Satin Face And Enameled Return, Add	*166.45*	
		For Color Anodized, Add	*237.78*	
		For Polished Or Patina Finish, Add	*237.78*	
		For Polished Anodized Finish, Add	*356.67*	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	700.45	32.12
		For Installation With Adhesive, Deduct	*-47.87*	
		For Clear Anodized, Add	*57.19*	
		For Satin Face And Enameled Return, Add	*200.18*	
		For Color Anodized, Add	*285.97*	
		For Polished Or Patina Finish, Add	*285.97*	
		For Polished Anodized Finish, Add	*428.96*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	810.73	33.91
		For Installation With Adhesive, Deduct	*-54.10*	
		For Clear Anodized, Add	*67.51*	
		For Satin Face And Enameled Return, Add	*236.28*	
		For Color Anodized, Add	*337.54*	
		For Polished Or Patina Finish, Add	*337.54*	
		For Polished Anodized Finish, Add	*506.31*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	925.88	35.70
		For Installation With Adhesive, Deduct	*-60.57*	
		For Clear Anodized, Add	*78.31*	
		For Satin Face And Enameled Return, Add	*274.08*	
		For Color Anodized, Add	*391.55*	
		For Polished Or Patina Finish, Add	*391.55*	
		For Polished Anodized Finish, Add	*587.32*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,269.24	42.84
		For Installation With Adhesive, Deduct	*-80.60*	
		For Clear Anodized, Add	*109.79*	
		For Satin Face And Enameled Return, Add	*384.26*	
		For Color Anodized, Add	*548.95*	
		For Polished Or Patina Finish, Add	*548.95*	
		For Polished Anodized Finish, Add	*823.42*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	100.84	8.93
		For Installation With Adhesive, Deduct	*-8.61*	
		For Clear Anodized, Add	*6.51*	
		For Satin Face And Enameled Return, Add	*22.80*	
		For Color Anodized, Add	*32.57*	
		For Polished Or Patina Finish, Add	*32.57*	
		For Polished Anodized Finish, Add	*48.86*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	124.29	10.35
		For Installation With Adhesive, Deduct	*-10.36*	
		For Clear Anodized, Add	*8.29*	
		For Satin Face And Enameled Return, Add	*29.01*	
		For Color Anodized, Add	*41.44*	
		For Polished Or Patina Finish, Add	*41.44*	
		For Polished Anodized Finish, Add	*62.16*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	162.72	12.49
		For Installation With Adhesive, Deduct	*-13.13*	
		For Clear Anodized, Add	*11.28*	
		For Satin Face And Enameled Return, Add	*39.46*	
		For Color Anodized, Add	*56.38*	
		For Polished Or Patina Finish, Add	*56.38*	
		For Polished Anodized Finish, Add	*84.56*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	221.27	14.28
		For Installation With Adhesive, Deduct	*-16.78*	
		For Clear Anodized, Add	*16.42*	
		For Satin Face And Enameled Return, Add	*57.45*	
		For Color Anodized, Add	*82.08*	
		For Polished Or Patina Finish, Add	*82.08*	
		For Polished Anodized Finish, Add	*123.11*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	298.87	16.06
		For Installation With Adhesive, Deduct	*-21.37*	
		For Clear Anodized, Add	*23.46*	
		For Satin Face And Enameled Return, Add	*82.12*	
		For Color Anodized, Add	*117.31*	
		For Polished Or Patina Finish, Add	*117.31*	
		For Polished Anodized Finish, Add	*175.97*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	389.76	18.56
		For Installation With Adhesive, Deduct	*-26.91*	
		For Clear Anodized, Add	*31.55*	
		For Satin Face And Enameled Return, Add	*110.43*	
		For Color Anodized, Add	*157.76*	
		For Polished Or Patina Finish, Add	*157.76*	
		For Polished Anodized Finish, Add	*236.63*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	491.84	21.42
		For Installation With Adhesive, Deduct	*-33.16*	
		For Clear Anodized, Add	*40.62*	
		For Satin Face And Enameled Return, Add	*142.16*	
		For Color Anodized, Add	*203.09*	
		For Polished Or Patina Finish, Add	*203.09*	
		For Polished Anodized Finish, Add	*304.63*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	610.66	25.70
		For Installation With Adhesive, Deduct	*-40.81*	
		For Clear Anodized, Add	*50.79*	
		For Satin Face And Enameled Return, Add	*177.75*	
		For Color Anodized, Add	*253.93*	
		For Polished Or Patina Finish, Add	*253.93*	
		For Polished Anodized Finish, Add	*380.89*	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	738.30	28.55
		For Installation With Adhesive, Deduct	*-48.34*	
		For Clear Anodized, Add	*62.41*	
		For Satin Face And Enameled Return, Add	*218.42*	
		For Color Anodized, Add	*312.04*	
		For Polished Or Patina Finish, Add	*312.04*	
		For Polished Anodized Finish, Add	*468.05*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	906.73	32.12
		For Installation With Adhesive, Deduct	*-58.19*	
		For Clear Anodized, Add	*77.82*	
		For Satin Face And Enameled Return, Add	*272.38*	
		For Color Anodized, Add	*389.11*	
		For Polished Or Patina Finish, Add	*389.11*	
		For Polished Anodized Finish, Add	*583.67*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,078.51	33.91
		For Installation With Adhesive, Deduct	*-67.49*	
		For Clear Anodized, Add	*94.29*	
		For Satin Face And Enameled Return, Add	*330.00*	
		For Color Anodized, Add	*471.43*	
		For Polished Or Patina Finish, Add	*471.43*	
		For Polished Anodized Finish, Add	*707.15*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,270.92	35.70
		For Installation With Adhesive, Deduct	*-77.83*	
		For Clear Anodized, Add	*112.81*	
		For Satin Face And Enameled Return, Add	*394.85*	
		For Color Anodized, Add	*564.07*	
		For Polished Or Patina Finish, Add	*564.07*	
		For Polished Anodized Finish, Add	*846.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,791.54	42.84
		For Installation With Adhesive, Deduct	*-106.71*	
		For Clear Anodized, Add	*162.02*	
		For Satin Face And Enameled Return, Add	*567.07*	
		For Color Anodized, Add	*810.10*	
		For Polished Or Patina Finish, Add	*810.10*	
		For Polished Anodized Finish, Add	*1,215.14*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	73.98	8.93
		For Installation With Adhesive, Deduct	*-7.27*	
		For Oxidized Finish, Add	*5.74*	
		For Polished Finish, Add	*11.48*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	94.68	10.35
		For Installation With Adhesive, Deduct	*-8.88*	
		For Oxidized Finish, Add	*7.99*	
		For Polished Finish, Add	*15.98*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	129.27	12.49
		For Installation With Adhesive, Deduct	*-11.46*	
		For Oxidized Finish, Add	*11.90*	
		For Polished Finish, Add	*23.79*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	167.87	14.28
		For Installation With Adhesive, Deduct	*-14.11*	
		For Oxidized Finish, Add	*16.61*	
		For Polished Finish, Add	*33.23*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	213.29	16.06
		For Installation With Adhesive, Deduct	*-17.09*	
		For Oxidized Finish, Add	*22.36*	
		For Polished Finish, Add	*44.71*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	268.41	18.56
		For Installation With Adhesive, Deduct	*-20.85*	
		For Oxidized Finish, Add	*29.12*	
		For Polished Finish, Add	*58.25*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	334.52	21.42
		For Installation With Adhesive, Deduct	*-25.29*	
		For Oxidized Finish, Add	*37.33*	
		For Polished Finish, Add	*74.66*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	407.72	25.70
		For Installation With Adhesive, Deduct	*-30.67*	
		For Oxidized Finish, Add	*45.74*	
		For Polished Finish, Add	*91.47*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	493.17	28.55
		For Installation With Adhesive, Deduct	*-36.08*	
		For Oxidized Finish, Add	*56.84*	
		For Polished Finish, Add	*113.68*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	585.19	32.12
		For Installation With Adhesive, Deduct	*-42.11*	
		For Oxidized Finish, Add	*68.50*	
		For Polished Finish, Add	*137.00*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	715.39	33.91
		For Installation With Adhesive, Deduct	*-49.33*	
		For Oxidized Finish, Add	*86.96*	
		For Polished Finish, Add	*173.92*	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	783.48	35.70
		For Installation With Adhesive, Deduct	*-53.45*	
		For Oxidized Finish, Add	*96.10*	
		For Polished Finish, Add	*192.21*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,170.34	42.84
		For Installation With Adhesive, Deduct	*-75.65*	
		For Oxidized Finish, Add	*149.85*	
		For Polished Finish, Add	*299.70*	

10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	87.38	8.93
		For Installation With Adhesive, Deduct	*-7.94*	
		For Oxidized Finish, Add	*7.75*	
		For Polished Finish, Add	*15.50*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	113.33	10.35
		For Installation With Adhesive, Deduct	*-9.81*	
		For Oxidized Finish, Add	*10.79*	
		For Polished Finish, Add	*21.58*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	161.00	12.49
		For Installation With Adhesive, Deduct	*-13.05*	
		For Oxidized Finish, Add	*16.65*	
		For Polished Finish, Add	*33.31*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	212.17	14.28
		For Installation With Adhesive, Deduct	*-16.32*	
		For Oxidized Finish, Add	*23.26*	
		For Polished Finish, Add	*46.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	280.35	16.06
		For Installation With Adhesive, Deduct	*-20.44*	
		For Oxidized Finish, Add	*32.42*	
		For Polished Finish, Add	*64.83*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	355.78	18.56
		For Installation With Adhesive, Deduct	*-25.21*	
		For Oxidized Finish, Add	*42.23*	
		For Polished Finish, Add	*84.46*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	446.51	21.42
		For Installation With Adhesive, Deduct	*-30.89*	
		For Oxidized Finish, Add	*54.13*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	529.69	25.70
		For Installation With Adhesive, Deduct	*-36.77*	
		For Oxidized Finish, Add	*64.03*	
		For Polished Finish, Add	*128.06*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	663.70	28.55
		For Installation With Adhesive, Deduct	*-44.61*	
		For Oxidized Finish, Add	*82.42*	
		For Polished Finish, Add	*164.84*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	767.87	32.12
		For Installation With Adhesive, Deduct	*-51.24*	
		For Oxidized Finish, Add	*95.90*	
		For Polished Finish, Add	*191.81*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	941.49	33.91
		For Installation With Adhesive, Deduct	*-60.64*	
		For Oxidized Finish, Add	*120.88*	
		For Polished Finish, Add	*241.75*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,071.79	35.70
		For Installation With Adhesive, Deduct	*-67.87*	
		For Oxidized Finish, Add	*139.35*	
		For Polished Finish, Add	*278.70*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,480.03	42.84
		For Installation With Adhesive, Deduct	*-91.14*	
		For Oxidized Finish, Add	*196.30*	
		For Polished Finish, Add	*392.60*	
10 14 19 00-0150		**1/2" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	108.44	8.93
		For Installation With Adhesive, Deduct	*-8.99*	
		For Oxidized Finish, Add	*10.91*	
		For Polished Finish, Add	*21.82*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	139.97	10.35
		For Installation With Adhesive, Deduct	*-11.14*	
		For Oxidized Finish, Add	*14.78*	
		For Polished Finish, Add	*29.57*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	200.65	12.49
		For Installation With Adhesive, Deduct	*-15.03*	
		For Oxidized Finish, Add	*22.60*	
		For Polished Finish, Add	*45.20*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	273.09	14.28
		For Installation With Adhesive, Deduct	*-19.37*	
		For Oxidized Finish, Add	*32.40*	
		For Polished Finish, Add	*64.79*	
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	377.23	16.06
		For Installation With Adhesive, Deduct	*-25.29*	
		For Oxidized Finish, Add	*46.95*	
		For Polished Finish, Add	*93.89*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	501.40	18.56
		For Installation With Adhesive, Deduct	*-32.50*	
		For Oxidized Finish, Add	*64.07*	
		For Polished Finish, Add	*128.15*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	620.70	21.42
		For Installation With Adhesive, Deduct	*-39.60*	
		For Oxidized Finish, Add	*80.25*	
		For Polished Finish, Add	*160.51*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	740.08	25.70
		For Installation With Adhesive, Deduct	*-47.29*	
		For Oxidized Finish, Add	*95.59*	
		For Polished Finish, Add	*191.18*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,004.75	28.55
		For Installation With Adhesive, Deduct	*-61.66*	
		For Oxidized Finish, Add	*133.58*	
		For Polished Finish, Add	*267.16*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,133.22	32.12
		For Installation With Adhesive, Deduct	*-69.51*	
		For Oxidized Finish, Add	*150.71*	
		For Polished Finish, Add	*301.41*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,411.09	33.91
		For Installation With Adhesive, Deduct	*-84.12*	
		For Oxidized Finish, Add	*191.32*	
		For Polished Finish, Add	*382.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,648.41	35.70
		For Installation With Adhesive, Deduct	*-96.70*	
		For Oxidized Finish, Add	*225.84*	
		For Polished Finish, Add	*451.69*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,479.02	42.84
		For Installation With Adhesive, Deduct	*-141.09*	
		For Oxidized Finish, Add	*346.15*	
		For Polished Finish, Add	*692.30*	

10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	131.41	8.93
		For Installation With Adhesive, Deduct	*-10.14*	
		For Oxidized Finish, Add	*14.36*	
		For Polished Finish, Add	*28.71*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	182.58	10.35
		For Installation With Adhesive, Deduct	*-13.27*	
		For Oxidized Finish, Add	*21.18*	
		For Polished Finish, Add	*42.35*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	248.23	12.49
		For Installation With Adhesive, Deduct	*-17.41*	
		For Oxidized Finish, Add	*29.74*	
		For Polished Finish, Add	*59.48*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	334.00	14.28
		For Installation With Adhesive, Deduct	*-22.41*	
		For Oxidized Finish, Add	*41.53*	
		For Polished Finish, Add	*83.06*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	451.75	16.06
		For Installation With Adhesive, Deduct	*-29.01*	
		For Oxidized Finish, Add	*58.13*	
		For Polished Finish, Add	*116.25*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	617.90	18.56
		For Installation With Adhesive, Deduct	*-38.32*	
		For Oxidized Finish, Add	*81.55*	
		For Polished Finish, Add	*163.10*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	770.01	21.42
		For Installation With Adhesive, Deduct	*-47.07*	
		For Oxidized Finish, Add	*102.65*	
		For Polished Finish, Add	*205.30*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	898.63	25.70
		For Installation With Adhesive, Deduct	*-55.21*	
		For Oxidized Finish, Add	*119.37*	
		For Polished Finish, Add	*238.75*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,194.22	28.55
		For Installation With Adhesive, Deduct	*-71.13*	
		For Oxidized Finish, Add	*162.00*	
		For Polished Finish, Add	*324.00*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,306.76	32.12
		For Installation With Adhesive, Deduct	*-78.19*	
		For Oxidized Finish, Add	*176.74*	
		For Polished Finish, Add	*353.48*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,654.58	33.91
		For Installation With Adhesive, Deduct	*-96.29*	
		For Oxidized Finish, Add	*227.84*	
		For Polished Finish, Add	*455.68*	
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,096.89	35.70
		For Installation With Adhesive, Deduct	*-119.12*	
		For Oxidized Finish, Add	*293.12*	
		For Polished Finish, Add	*586.23*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	3,158.33	42.84
		For Installation With Adhesive, Deduct	*-175.05*	
		For Oxidized Finish, Add	*448.05*	
		For Polished Finish, Add	*896.09*	

10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	81.72	8.93
		For Installation With Adhesive, Deduct	*-7.66*	
		For Oxidized Finish, Add	*6.90*	
		For Polished Or Patina Finish, Add	*13.81*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	105.51	10.35
		For Installation With Adhesive, Deduct	*-9.42*	
		For Oxidized Finish, Add	*9.62*	
		For Polished Or Patina Finish, Add	*19.23*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	145.30	12.49
		For Installation With Adhesive, Deduct	*-12.26*	
		For Oxidized Finish, Add	*14.30*	
		For Polished Or Patina Finish, Add	*28.60*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	190.25	14.28
		For Installation With Adhesive, Deduct	*-15.22*	
		For Oxidized Finish, Add	*19.97*	
		For Polished Or Patina Finish, Add	*39.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	243.40	16.06
		For Installation With Adhesive, Deduct	*-18.60*	
		For Oxidized Finish, Add	*26.87*	
		For Polished Or Patina Finish, Add	*53.75*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	307.64	18.56
		For Installation With Adhesive, Deduct	*-22.81*	
		For Oxidized Finish, Add	*35.01*	
		For Polished Or Patina Finish, Add	*70.02*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	384.81	21.42
		For Installation With Adhesive, Deduct	*-27.81*	
		For Oxidized Finish, Add	*44.87*	
		For Polished Or Patina Finish, Add	*89.74*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	477.55	25.70
		For Installation With Adhesive, Deduct	*-34.16*	
		For Oxidized Finish, Add	*56.21*	
		For Polished Or Patina Finish, Add	*112.42*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	571.15	28.55
		For Installation With Adhesive, Deduct	*-39.98*	
		For Oxidized Finish, Add	*68.54*	
		For Polished Or Patina Finish, Add	*137.08*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	677.47	32.12
		For Installation With Adhesive, Deduct	*-46.72*	
		For Oxidized Finish, Add	*82.34*	
		For Polished Or Patina Finish, Add	*164.69*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	789.81	33.91
		For Installation With Adhesive, Deduct	*-53.06*	
		For Oxidized Finish, Add	*98.12*	
		For Polished Or Patina Finish, Add	*196.25*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	913.64	35.70
		For Installation With Adhesive, Deduct	*-59.96*	
		For Oxidized Finish, Add	*115.63*	
		For Polished Or Patina Finish, Add	*231.26*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,384.33	42.84
		For Installation With Adhesive, Deduct	*-86.35*	
		For Oxidized Finish, Add	*181.95*	
		For Polished Or Patina Finish, Add	*363.89*	
10 14 19 00-0193		3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	96.45	8.93
		For Installation With Adhesive, Deduct	*-8.39*	
		For Oxidized Finish, Add	*9.11*	
		For Polished Or Patina Finish, Add	*18.23*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	125.38	10.35
		For Installation With Adhesive, Deduct	*-10.41*	
		For Oxidized Finish, Add	*12.60*	
		For Polished Or Patina Finish, Add	*25.19*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	181.52	12.49
		For Installation With Adhesive, Deduct	*-14.07*	
		For Oxidized Finish, Add	*19.73*	
		For Polished Or Patina Finish, Add	*39.47*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	239.51	14.28
		For Installation With Adhesive, Deduct	*-17.69*	
		For Oxidized Finish, Add	*27.36*	
		For Polished Or Patina Finish, Add	*54.72*	
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	324.02	16.06
		For Installation With Adhesive, Deduct	*-22.63*	
		For Oxidized Finish, Add	*38.97*	
		For Polished Or Patina Finish, Add	*77.93*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	410.33	18.56
		For Installation With Adhesive, Deduct	*-27.94*	
		For Oxidized Finish, Add	*50.41*	
		For Polished Or Patina Finish, Add	*100.82*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	513.44	21.42
		For Installation With Adhesive, Deduct	*-34.24*	
		For Oxidized Finish, Add	*64.17*	
		For Polished Or Patina Finish, Add	*128.33*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	634.94	25.70
		For Installation With Adhesive, Deduct	*-42.03*	
		For Oxidized Finish, Add	*79.82*	
		For Polished Or Patina Finish, Add	*159.64*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	767.63	28.55
		For Installation With Adhesive, Deduct	*-49.80*	
		For Oxidized Finish, Add	*98.01*	
		For Polished Or Patina Finish, Add	*196.02*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	913.53	32.12
		For Installation With Adhesive, Deduct	*-58.53*	
		For Oxidized Finish, Add	*117.75*	
		For Polished Or Patina Finish, Add	*235.51*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,071.09	33.91
		For Installation With Adhesive, Deduct	*-67.12*	
		For Oxidized Finish, Add	*140.32*	
		For Polished Or Patina Finish, Add	*280.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,214.27	35.70
		For Installation With Adhesive, Deduct	*-74.99*	
		For Oxidized Finish, Add	*160.72*	
		For Polished Or Patina Finish, Add	*321.44*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,663.32	42.84
		For Installation With Adhesive, Deduct	*-100.30*	
		For Oxidized Finish, Add	*223.80*	
		For Polished Or Patina Finish, Add	*447.59*	
10 14 19 00-0207		1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	99.67	8.93
		For Installation With Adhesive, Deduct	*-8.55*	
		For Oxidized Finish, Add	*9.60*	
		For Polished Or Patina Finish, Add	*19.19*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	148.46	10.35
		For Installation With Adhesive, Deduct	*-11.56*	
		For Oxidized Finish, Add	*16.06*	
		For Polished Or Patina Finish, Add	*32.12*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	211.08	12.49
		For Installation With Adhesive, Deduct	*-15.55*	
		For Oxidized Finish, Add	*24.17*	
		For Polished Or Patina Finish, Add	*48.33*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	290.10	14.28
		For Installation With Adhesive, Deduct	*-20.22*	
		For Oxidized Finish, Add	*34.95*	
		For Polished Or Patina Finish, Add	*69.89*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	395.68	16.06
		For Installation With Adhesive, Deduct	*-26.21*	
		For Oxidized Finish, Add	*49.71*	
		For Polished Or Patina Finish, Add	*99.43*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	538.70	18.56
		For Installation With Adhesive, Deduct	*-34.36*	
		For Oxidized Finish, Add	*69.67*	
		For Polished Or Patina Finish, Add	*139.34*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	698.90	21.42
		For Installation With Adhesive, Deduct	*-43.51*	
		For Oxidized Finish, Add	*91.98*	
		For Polished Or Patina Finish, Add	*183.97*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	874.78	25.70
		For Installation With Adhesive, Deduct	*-54.02*	
		For Oxidized Finish, Add	*115.80*	
		For Polished Or Patina Finish, Add	*231.59*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,073.77	28.55
		For Installation With Adhesive, Deduct	*-65.11*	
		For Oxidized Finish, Add	*143.93*	
		For Polished Or Patina Finish, Add	*287.86*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,286.83	32.12
		For Installation With Adhesive, Deduct	*-77.19*	
		For Oxidized Finish, Add	*173.75*	
		For Polished Or Patina Finish, Add	*347.50*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,522.46	33.91
		For Installation With Adhesive, Deduct	*-89.69*	
		For Oxidized Finish, Add	*208.02*	
		For Polished Or Patina Finish, Add	*416.04*	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,769.29	35.70
		For Installation With Adhesive, Deduct	*-102.74*	
		For Oxidized Finish, Add	*243.98*	
		For Polished Or Patina Finish, Add	*487.95*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,476.02	42.84
		For Installation With Adhesive, Deduct	*-140.94*	
		For Oxidized Finish, Add	*345.70*	
		For Polished Or Patina Finish, Add	*691.40*	
10 14 19 00-0221		Satin Finish, Copper Characters *(10 14 19 00-0049)*		
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	73.98	8.93
		For Installation With Adhesive, Deduct	*-7.27*	
		For Polished Finish, Add	*11.48*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	96.10	10.35
		For Installation With Adhesive, Deduct	*-8.95*	
		For Polished Finish, Add	*16.41*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	134.74	12.49
		For Installation With Adhesive, Deduct	*-11.73*	
		For Polished Finish, Add	*25.43*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	177.44	14.28
		For Installation With Adhesive, Deduct	*-14.58*	
		For Polished Finish, Add	*36.10*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	224.23	16.06
		For Installation With Adhesive, Deduct	*-17.64*	
		For Polished Finish, Add	*47.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	284.82	18.56
		For Installation With Adhesive, Deduct	*-21.67*	
		For Polished Finish, Add	*63.17*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	356.40	21.42
		For Installation With Adhesive, Deduct	*-26.39*	
		For Polished Finish, Add	*81.22*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	439.17	25.70
		For Installation With Adhesive, Deduct	*-32.24*	
		For Polished Finish, Add	*100.91*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	525.79	28.55
		For Installation With Adhesive, Deduct	*-37.71*	
		For Polished Finish, Add	*123.47*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	622.11	32.12
		For Installation With Adhesive, Deduct	*-43.96*	
		For Polished Finish, Add	*148.08*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	724.98	33.91
		For Installation With Adhesive, Deduct	*-49.81*	
		For Polished Finish, Add	*176.80*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	836.02	35.70
		For Installation With Adhesive, Deduct	*-56.08*	
		For Polished Finish, Add	*207.97*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,197.49	42.84
		For Installation With Adhesive, Deduct	*-77.01*	
		For Polished Finish, Add	*307.84*	

10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	83.56	8.93
		For Installation With Adhesive, Deduct	*-7.75*	
		For Polished Finish, Add	*14.36*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	112.51	10.35
		For Installation With Adhesive, Deduct	*-9.77*	
		For Polished Finish, Add	*21.33*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	164.41	12.49
		For Installation With Adhesive, Deduct	*-13.22*	
		For Polished Finish, Add	*34.33*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	225.57	14.28
		For Installation With Adhesive, Deduct	*-16.99*	
		For Polished Finish, Add	*50.54*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	304.21	16.06
		For Installation With Adhesive, Deduct	*-21.64*	
		For Polished Finish, Add	*71.99*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	379.57	18.56
		For Installation With Adhesive, Deduct	*-26.40*	
		For Polished Finish, Add	*91.60*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	478.23	21.42
		For Installation With Adhesive, Deduct	*-32.48*	
		For Polished Finish, Add	*117.77*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	590.53	25.70
		For Installation With Adhesive, Deduct	*-39.81*	
		For Polished Finish, Add	*146.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	711.00	28.55
		For Installation With Adhesive, Deduct	*-46.97*	
		For Polished Finish, Add	*179.03*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	844.23	32.12
		For Installation With Adhesive, Deduct	*-55.06*	
		For Polished Finish, Add	*214.72*	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	990.18	33.91
		For Installation With Adhesive, Deduct	*-63.07*	
		For Polished Finish, Add	*256.36*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,113.31	35.70
		For Installation With Adhesive, Deduct	*-69.94*	
		For Polished Finish, Add	*291.16*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,556.64	42.84
		For Installation With Adhesive, Deduct	*-94.97*	
		For Polished Finish, Add	*415.59*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	70.28	8.93
		For Installation With Adhesive, Deduct	*-7.08*	
		For Polished Finish, Add	*10.37*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	91.55	10.35
		For Installation With Adhesive, Deduct	*-8.72*	
		For Polished Finish, Add	*15.04*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	117.40	12.49
		For Installation With Adhesive, Deduct	*-10.87*	
		For Polished Finish, Add	*20.23*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	150.48	14.28
		For Installation With Adhesive, Deduct	*-13.24*	
		For Polished Finish, Add	*28.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	183.55	16.06
		For Installation With Adhesive, Deduct	*-15.60*	
		For Polished Finish, Add	*35.79*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	224.67	18.56
		For Installation With Adhesive, Deduct	*-18.66*	
		For Polished Finish, Add	*45.13*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	268.94	21.42
		For Installation With Adhesive, Deduct	*-22.01*	
		For Polished Finish, Add	*54.98*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	322.39	25.70
		For Installation With Adhesive, Deduct	*-26.40*	
		For Polished Finish, Add	*65.87*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	375.30	28.55
		For Installation With Adhesive, Deduct	*-30.19*	
		For Polished Finish, Add	*78.32*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	437.99	32.12
		For Installation With Adhesive, Deduct	*-34.75*	
		For Polished Finish, Add	*92.84*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	507.38	33.91
		For Installation With Adhesive, Deduct	*-38.93*	
		For Polished Finish, Add	*111.52*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	578.49	35.70
		For Installation With Adhesive, Deduct	*-43.20*	
		For Polished Finish, Add	*130.71*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	790.32	42.84
		For Installation With Adhesive, Deduct	*-56.65*	
		For Polished Finish, Add	*185.69*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	82.38	8.93
		For Installation With Adhesive, Deduct	*-7.69*	
		For Polished Finish, Add	*14.00*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	109.10	10.35
		For Installation With Adhesive, Deduct	*-9.60*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	139.65	12.49
		For Installation With Adhesive, Deduct	*-11.98*	
		For Polished Finish, Add	*26.90*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	177.56	14.28
		For Installation With Adhesive, Deduct	*-14.59*	
		For Polished Finish, Add	*36.13*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	218.14	16.06
		For Installation With Adhesive, Deduct	*-17.33*	
		For Polished Finish, Add	*46.17*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	268.29	18.56
		For Installation With Adhesive, Deduct	*-20.84*	
		For Polished Finish, Add	*58.21*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	322.09	21.42
		For Installation With Adhesive, Deduct	*-24.67*	
		For Polished Finish, Add	*70.93*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	386.06	25.70
		For Installation With Adhesive, Deduct	*-29.58*	
		For Polished Finish, Add	*84.98*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	448.40	28.55
		For Installation With Adhesive, Deduct	*-33.84*	
		For Polished Finish, Add	*100.25*	
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	524.65	32.12
		For Installation With Adhesive, Deduct	*-39.08*	
		For Polished Finish, Add	*118.84*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	589.15	33.91
		For Installation With Adhesive, Deduct	*-43.02*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	674.34	35.70
		For Installation With Adhesive, Deduct	*-48.00*	
		For Polished Finish, Add	*159.47*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	926.49	42.84
		For Installation With Adhesive, Deduct	*-63.46*	
		For Polished Finish, Add	*226.54*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	97.94	8.93
		For Installation With Adhesive, Deduct	*-8.47*	
		For Polished Finish, Add	*18.67*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	131.66	10.35
		For Installation With Adhesive, Deduct	*-10.72*	
		For Polished Finish, Add	*27.08*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	169.32	12.49
		For Installation With Adhesive, Deduct	*-13.46*	
		For Polished Finish, Add	*35.81*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	221.44	14.28
		For Installation With Adhesive, Deduct	*-16.78*	
		For Polished Finish, Add	*49.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	274.21	16.06
		For Installation With Adhesive, Deduct	*-20.14*	
		For Polished Finish, Add	*62.99*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	338.99	18.56
		For Installation With Adhesive, Deduct	*-24.37*	
		For Polished Finish, Add	*79.42*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	408.22	21.42
		For Installation With Adhesive, Deduct	*-28.98*	
		For Polished Finish, Add	*96.77*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	489.27	25.70
		For Installation With Adhesive, Deduct	*-34.74*	
		For Polished Finish, Add	*115.94*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	581.55	28.55
		For Installation With Adhesive, Deduct	*-40.50*	
		For Polished Finish, Add	*140.20*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	682.48	32.12
		For Installation With Adhesive, Deduct	*-46.98*	
		For Polished Finish, Add	*166.19*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	763.87	33.91
		For Installation With Adhesive, Deduct	*-51.76*	
		For Polished Finish, Add	*188.47*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	879.12	35.70
		For Installation With Adhesive, Deduct	*-58.24*	
		For Polished Finish, Add	*220.90*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,217.40	42.84
		For Installation With Adhesive, Deduct	*-78.01*	
		For Polished Finish, Add	*313.82*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*
Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*
Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	47.92	11.99
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-5.99*	
		For >100, Deduct	*-7.18*	
		For Clear Glass Mount, Add	*19.15*	
		For Glow-In-Dark, Add	*47.88*	
		For Reflective Finish, Add	*53.87*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	65.03	11.99
		For >25 To 50, Deduct	*-4.11*	
		For >50 To 100, Deduct	*-10.26*	
		For >100, Deduct	*-12.32*	
		For Clear Glass Mount, Add	*32.84*	
		For Glow-In-Dark, Add	*82.10*	
		For Reflective Finish, Add	*92.36*	
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	92.39	11.99
		For >25 To 50, Deduct	*-6.84*	
		For >50 To 100, Deduct	*-17.10*	
		For >100, Deduct	*-20.52*	
		For Clear Glass Mount, Add	*54.73*	
		For Glow-In-Dark, Add	*136.82*	
		For Reflective Finish, Add	*153.92*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	126.59	11.99
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-30.78*	
		For Clear Glass Mount, Add	*82.09*	
		For Glow-In-Dark, Add	*205.22*	
		For Reflective Finish, Add	*230.87*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	188.16	11.99
		For >25 To 50, Deduct	*-16.42*	
		For >50 To 100, Deduct	*-41.05*	
		For >100, Deduct	*-49.25*	
		For Clear Glass Mount, Add	*131.34*	
		For Glow-In-Dark, Add	*328.36*	
		For Reflective Finish, Add	*369.41*	
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	297.62	11.99
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-68.41*	
		For >100, Deduct	*-82.09*	
		For Clear Glass Mount, Add	*218.91*	
		For Glow-In-Dark, Add	*547.28*	
		For Reflective Finish, Add	*615.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	434.43	11.99
		For >25 To 50, Deduct	*-41.05*	
		For >50 To 100, Deduct	*-102.61*	
		For >100, Deduct	*-123.14*	
		For Clear Glass Mount, Add	*328.36*	
		For Glow-In-Dark, Add	*820.90*	
		For Reflective Finish, Add	*923.51*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.48	0.01
		For Clear Glass Mount, Add	*0.37*	
		For Glow-In-Dark, Add	*0.92*	
		For Reflective Finish, Add	*1.04*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	54.76	11.99
		For >25 To 50, Deduct	*-3.08*	
		For >50 To 100, Deduct	*-7.70*	
		For >100, Deduct	*-9.23*	
		For Glow-In-Dark, Add	*61.56*	
		For Reflective Finish, Add	*66.18*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	71.87	11.99
		For >25 To 50, Deduct	*-4.79*	
		For >50 To 100, Deduct	*-11.97*	
		For >100, Deduct	*-14.37*	
		For Glow-In-Dark, Add	*95.78*	
		For Reflective Finish, Add	*102.96*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	106.07	11.99
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-24.63*	
		For Glow-In-Dark, Add	*164.18*	
		For Reflective Finish, Add	*176.49*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	140.28	11.99
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-34.89*	
		For Glow-In-Dark, Add	*232.60*	
		For Reflective Finish, Add	*250.05*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	191.58	11.99
		For >25 To 50, Deduct	*-16.76*	
		For >50 To 100, Deduct	*-41.90*	
		For >100, Deduct	*-50.28*	
		For Glow-In-Dark, Add	*335.20*	
		For Reflective Finish, Add	*360.34*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	242.89	11.99
		For >25 To 50, Deduct	*-21.89*	
		For >50 To 100, Deduct	*-54.73*	
		For >100, Deduct	*-65.67*	
		For Glow-In-Dark, Add	*437.82*	
		For Reflective Finish, Add	*470.66*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	297.62	11.99
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-68.41*	
		For >100, Deduct	*-82.09*	
		For Glow-In-Dark, Add	*547.28*	
		For Reflective Finish, Add	*588.33*	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.32	0.01
		For Glow-In-Dark, Add	*0.60*	
		For Reflective Finish, Add	*0.65*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	106.07	11.99
		For >25 To 50, Deduct	*-8.21*	
		For >50 To 100, Deduct	*-20.52*	
		For >100, Deduct	*-24.63*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	126.59	11.99
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-25.65*	
		For >100, Deduct	*-30.78*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	160.80	11.99
		For >25 To 50, Deduct	*-13.68*	
		For >50 To 100, Deduct	*-34.21*	
		For >100, Deduct	*-41.05*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	192.95	11.99
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-42.24*	
		For >100, Deduct	*-50.69*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	2.16	0.12
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	
10 14 23 11-0027		**Engraved Steel, Surface Mount, Indoor/Outdoor Signs** *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	52.31	11.99
		For >25 To 50, Deduct	*-2.83*	
		For >50 To 100, Deduct	*-7.08*	
		For >100, Deduct	*-8.50*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	61.26	11.99
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 100, Deduct	*-9.32*	
		For >100, Deduct	*-11.18*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	73.18	11.99
		For >25 To 50, Deduct	*-4.92*	
		For >50 To 100, Deduct	*-12.30*	
		For >100, Deduct	*-14.76*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	97.04	11.99
		For >25 To 50, Deduct	*-7.31*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-21.92*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	0.97	0.12
		For Molded Plastic Frame, Add	*0.20*	
10 14 23 11-0033		**Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs** *(10 14 23 11-0002)*		
		Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	29.94	11.99
		For >25 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-1.79*	
		For Glow-In-Dark, Add	*3.58*	
		For Reflective Finish, Add	*4.47*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	34.42	11.99
		For >25 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-3.13*	
		For Glow-In-Dark, Add	*6.26*	
		For Reflective Finish, Add	*7.83*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	43.36	11.99
		For >25 To 50, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-4.85*	
		For >100, Deduct	*-5.81*	
		For Glow-In-Dark, Add	*11.63*	
		For Reflective Finish, Add	*14.54*	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	53.80	11.99
		For >25 To 50, Deduct	*-2.98*	
		For >50 To 100, Deduct	*-7.46*	
		For >100, Deduct	*-8.95*	
		For Glow-In-Dark, Add	*17.89*	
		For Reflective Finish, Add	*22.37*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	85.11	11.99
		For >25 To 50, Deduct	*-6.11*	
		For >50 To 100, Deduct	*-15.28*	
		For >100, Deduct	*-18.34*	
		For Glow-In-Dark, Add	*36.68*	
		For Reflective Finish, Add	*45.85*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	98.53	11.99
		For >25 To 50, Deduct	*-7.46*	
		For >50 To 100, Deduct	*-18.64*	
		For >100, Deduct	*-22.37*	
		For Glow-In-Dark, Add	*44.73*	
		For Reflective Finish, Add	*55.91*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	116.42	11.99
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-23.11*	
		For >100, Deduct	*-27.73*	
		For Glow-In-Dark, Add	*55.46*	
		For Reflective Finish, Add	*69.33*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.12	0.01
		For Glow-In-Dark, Add	*0.06*	
		For Reflective Finish, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0042		California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*		
10 14 23 11-0043		California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)* Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.		
10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	78.77	11.99
		For >25 To 50, Deduct	*-5.48*	
		For >50 To 100, Deduct	*-8.22*	
		For >100, Deduct	*-9.31*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	78.77	11.99
		For >25 To 50, Deduct	*-5.48*	
		For >50 To 100, Deduct	*-8.22*	
		For >100, Deduct	*-9.31*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	100.69	11.99
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-11.51*	
		For >100, Deduct	*-13.04*	
10 14 23 11-0047		California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)* Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.		
10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	147.66	11.99
		For >25 To 50, Deduct	*-12.37*	
		For >50 To 100, Deduct	*-18.55*	
		For >100, Deduct	*-21.03*	
10 14 23 11-0049		Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0050		Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*		
10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	41.77	16.78
		For >25 To 50, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-2.05*	
		For >100, Deduct	*-2.46*	
		For Glow-In-Dark, Add	*4.92*	
		For Reflective Finish, Add	*6.15*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	48.48	16.78
		For >25 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.73*	
		For >100, Deduct	*-4.47*	
		For Glow-In-Dark, Add	*8.95*	
		For Reflective Finish, Add	*11.18*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	57.43	16.78
		For >25 To 50, Deduct	*-2.39*	
		For >50 To 100, Deduct	*-5.97*	
		For >100, Deduct	*-7.16*	
		For Glow-In-Dark, Add	*14.32*	
		For Reflective Finish, Add	*17.90*	
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	70.85	16.78
		For >25 To 50, Deduct	*-3.73*	
		For >50 To 100, Deduct	*-9.32*	
		For >100, Deduct	*-11.18*	
		For Glow-In-Dark, Add	*22.37*	
		For Reflective Finish, Add	*27.96*	
10 14 23 11-0055		90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0056		Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*		
10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	42.52	16.78
		For >25 To 50, Deduct	*-0.90*	
		For >50 To 100, Deduct	*-2.24*	
		For >100, Deduct	*-2.69*	
		For Glow-In-Dark, Add	*5.37*	
		For Reflective Finish, Add	*6.71*	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	49.97	16.78
		For >25 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-4.10*	
		For >100, Deduct	*-4.92*	
		For Glow-In-Dark, Add	*9.84*	
		For Reflective Finish, Add	*12.30*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	66.37	16.78
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-8.20*	
		For >100, Deduct	*-9.84*	
		For Glow-In-Dark, Add	*19.68*	
		For Reflective Finish, Add	*24.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	72.34	16.78
		For >25 To 50, Deduct	*-3.88*	
		For >50 To 100, Deduct	*-9.69*	
		For >100, Deduct	*-11.63*	
		For Glow-In-Dark, Add	*23.26*	
		For Reflective Finish, Add	*29.08*	
10 14 23 11-0061		Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*		
10 14 23 11-0062		Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*		
10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	44.75	16.78
		For >25 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.80*	
		For >100, Deduct	*-3.35*	
		For Glow-In-Dark, Add	*6.71*	
		For Reflective Finish, Add	*8.39*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	55.93	16.78
		For >25 To 50, Deduct	*-2.24*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-6.71*	
		For Glow-In-Dark, Add	*13.42*	
		For Reflective Finish, Add	*16.77*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.41	16.78
		For >25 To 50, Deduct	*-2.68*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-8.05*	
		For Glow-In-Dark, Add	*16.10*	
		For Reflective Finish, Add	*20.13*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	66.37	16.78
		For >25 To 50, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-8.20*	
		For >100, Deduct	*-9.84*	
		For Glow-In-Dark, Add	*19.68*	
		For Reflective Finish, Add	*24.60*	
10 14 23 11-0067		Adhesive Backed Vinyl Characters *(10 14 23 11)*		
		Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.		
10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.31	0.96
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.58*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.44	1.10
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.61*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.56	1.24
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.64*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.72	1.43
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.81*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.90	1.68
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.85*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.96	1.92
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.24*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.49	2.16
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.37*	
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	10.10	2.40
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.90*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	12.25	2.64
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.44*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	15.74	2.88
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*3.19*	
10 14 23 11-0078		Standoffs For Wall Signage *(10 14 23 11)*		
		Note: Excludes signage		
10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	18.94	7.14
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	19.54	7.14
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	19.69	7.14
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	20.71	7.14
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	21.31	7.14
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	22.51	7.14
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	22.32	8.56
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	23.98	8.56
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	25.33	8.56
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	26.76	8.56
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	28.71	8.56
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	31.12	8.56
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	21.16	7.14
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	21.61	7.14
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	23.68	8.56
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	24.13	8.56
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	26.16	8.56
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	26.46	8.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0097		Removal And Reinstallation Of Building Signage *(10 14 23 11)*		
		Note: Includes storage and cleaning.		
10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	249.96	
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	286.86	
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	322.57	
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	71.92	
10 14 23 11-0102		Building Sign *(10 14 23 11)*		
		Note: Includes 4" numbers painted on sign. Installed on building.		
10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	186.48	28.77
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	47.99	9.99
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	37.11	9.28
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	45.16	7.85
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	52.63	8.57
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	57.84	9.28
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	69.08	9.99
10 14 29		**Wall or Ground Mounted Signage** *(10 14)*		
		Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.		
10 14 29 00-0001		Illuminated Signage *(10 14 29)*		
10 14 29 00-0002		Removal Of Sign Cabinets *(10 14 29 00-0001)*		
10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	395.76	
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	474.92	
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	633.18	
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	949.84	
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,266.35	
10 14 29 00-0008		Fabricate And Install New Sign Cabinets *(10 14 29 00-0001)*		
10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	325.61	
		For >5 To 11 Per Each Sign, Deduct	*-16.28*	
		For >11 To 20 Per Each Sign, Deduct	*-24.42*	
		For >20 Per Each Sign, Deduct	*-32.56*	
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	272.58	
		For >5 To 11 Per Each Sign, Deduct	*-13.63*	
		For >11 To 20 Per Each Sign, Deduct	*-20.44*	
		For >20 Per Each Sign, Deduct	*-27.26*	
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	222.58	
		For >5 To 11 Per Each Sign, Deduct	*-11.13*	
		For >11 To 20 Per Each Sign, Deduct	*-16.69*	
		For >20 Per Each Sign, Deduct	*-22.26*	
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	199.98	
		For >5 To 11 Per Each Sign, Deduct	*-10.00*	
		For >11 To 20 Per Each Sign, Deduct	*-15.00*	
		For >20 Per Each Sign, Deduct	*-20.00*	
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	183.90	
		For >5 To 11 Per Each Sign, Deduct	*-9.20*	
		For >11 To 20 Per Each Sign, Deduct	*-13.79*	
		For >20 Per Each Sign, Deduct	*-18.39*	
10 14 29 00-0014		Fabricate And Install New Sign Face, Material And Legend *(10 14 29 00-0001)*		
10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	88.69	
		For >5 To 11 Per Each Sign, Deduct	*-4.43*	
		For >11 To 20 Per Each Sign, Deduct	*-6.65*	
		For >20 Per Each Sign, Deduct	*-8.87*	
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	72.60	
		For >5 To 11 Per Each Sign, Deduct	*-3.63*	
		For >11 To 20 Per Each Sign, Deduct	*-5.45*	
		For >20 Per Each Sign, Deduct	*-7.26*	
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	54.77	
		For >5 To 11 Per Each Sign, Deduct	*-2.74*	
		For >11 To 20 Per Each Sign, Deduct	*-4.11*	
		For >20 Per Each Sign, Deduct	*-5.48*	
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	43.47	
		For >5 To 11 Per Each Sign, Deduct	*-2.17*	
		For >11 To 20 Per Each Sign, Deduct	*-3.26*	
		For >20 Per Each Sign, Deduct	*-4.35*	
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	34.77	
		For >5 To 11 Per Each Sign, Deduct	*-1.74*	
		For >11 To 20 Per Each Sign, Deduct	*-2.61*	
		For >20 Per Each Sign, Deduct	*-3.48*	
10 14 29 00-0020		Posts *(10 14 29)*		
		Note: Includes mounting bolts and installation for sign blades to posts.		
10 14 29 00-0021	LF	2" Square Galvanized Steel Post	26.87	
		For Powder Coating, Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post	26.01	
		For Powder Coating, Add	*1.09*	
10 14 29 00-0023	LF	2" Diameter Recycled Plastic Lumber Post	12.02	
10 14 29 00-0024	EA	Mounting On Ground With Base Note: Includes bolts and drilling for bolts.	68.56	
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	292.84	
		For >5 To 11, Deduct	*-14.64*	
		For >11 To 20, Deduct	*-21.96*	
		For >20, Deduct	*-29.28*	

10 14 31 Overhead and Ceiling Hung Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 31 00-0001 Illuminated Signage *(10 14 31)*

10 14 31 00-0002 Removal Of Sign Cabinets *(10 14 31 00-0001)*

10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	435.34	
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	522.41	
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	696.54	
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	1,044.83	
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,392.85	

10 14 31 00-0008 Fabricate And Install New Sign Cabinets *(10 14 31 00-0001)*

10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	359.97	
		For >5 To 11 Per Each Sign, Deduct	*-18.00*	
		For >11 To 20 Per Each Sign, Deduct	*-27.00*	
		For >20 Per Each Sign, Deduct	*-36.00*	
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	301.28	
		For >5 To 11 Per Each Sign, Deduct	*-15.06*	
		For >11 To 20 Per Each Sign, Deduct	*-22.60*	
		For >20 Per Each Sign, Deduct	*-30.13*	
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	246.02	
		For >5 To 11 Per Each Sign, Deduct	*-12.30*	
		For >11 To 20 Per Each Sign, Deduct	*-18.45*	
		For >20 Per Each Sign, Deduct	*-24.60*	
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	221.04	
		For >5 To 11 Per Each Sign, Deduct	*-11.05*	
		For >11 To 20 Per Each Sign, Deduct	*-16.58*	
		For >20 Per Each Sign, Deduct	*-22.10*	
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	203.24	
		For >5 To 11 Per Each Sign, Deduct	*-10.16*	
		For >11 To 20 Per Each Sign, Deduct	*-15.24*	
		For >20 Per Each Sign, Deduct	*-20.32*	

10 14 31 00-0014 Fabricate And Install New Sign Face, Material And Legend *(10 14 31 00-0001)*

10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	36.97	
		For >5 To 11 Per Each Sign, Deduct	*-1.85*	
		For >11 To 20 Per Each Sign, Deduct	*-2.77*	
		For >20 Per Each Sign, Deduct	*-3.70*	
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	29.58	
		For >5 To 11 Per Each Sign, Deduct	*-1.48*	
		For >11 To 20 Per Each Sign, Deduct	*-2.22*	
		For >20 Per Each Sign, Deduct	*-2.96*	
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	24.64	
		For >5 To 11 Per Each Sign, Deduct	*-1.23*	
		For >11 To 20 Per Each Sign, Deduct	*-1.85*	
		For >20 Per Each Sign, Deduct	*-2.46*	
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	20.75	
		For >5 To 11 Per Each Sign, Deduct	*-1.04*	
		For >11 To 20 Per Each Sign, Deduct	*-1.56*	
		For >20 Per Each Sign, Deduct	*-2.08*	
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	18.29	
		For >5 To 11 Per Each Sign, Deduct	*-0.91*	
		For >11 To 20 Per Each Sign, Deduct	*-1.37*	
		For >20 Per Each Sign, Deduct	*-1.83*	

10 14 43 Photoluminescent Signage *(10 14)*

10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	64.12	11.99
		For >25 To 50, Deduct	*-4.01*	
		For >50 To 100, Deduct	*-10.04*	
		For >100, Deduct	*-12.04*	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	70.65	11.99
		For >25 To 50, Deduct	*-4.67*	
		For >50 To 100, Deduct	*-11.67*	
		For >100, Deduct	*-14.00*	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	79.61	11.99
		For >25 To 50, Deduct	*-5.56*	
		For >50 To 100, Deduct	*-13.91*	
		For >100, Deduct	*-16.69*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53		**Traffic Signage** *(10 14)*		
10 14 53 11		**Traffic Signage** *(10 14 53)*		
10 14 53 11-0001		Traffic Signs *(10 14 53 11)*		
10 14 53 11-0002		Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)* Note: Excludes posts.		
10 14 53 11-0003		Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*		
10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	88.47	21.58
		For Hi-Intensity Grade, Add	*13.59*	
		For Diamond Grade, Add	*25.83*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	104.81	22.82
		For Hi-Intensity Grade, Add	*17.78*	
		For Diamond Grade, Add	*33.77*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	114.18	23.98
		For Hi-Intensity Grade, Add	*27.15*	
		For Diamond Grade, Add	*43.04*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	135.17	25.22
		For Hi-Intensity Grade, Add	*10.18*	
		For Diamond Grade, Add	*55.13*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	188.68	26.38
		For Hi-Intensity Grade, Add	*29.90*	
		For Diamond Grade, Add	*93.79*	
10 14 53 11-0009		Steel Engineer Grade Stop Signs *(10 14 53 11-0002)*		
10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	139.25	21.58
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	176.46	22.82
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	187.35	23.98
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	272.11	25.22
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	348.45	26.38
10 14 53 11-0015		Polyethylene Engineer Grade Stop Signs *(10 14 53 11-0002)*		
10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	142.82	21.58
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	185.58	22.82
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	205.31	23.98
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	272.93	25.22
10 14 53 11-0020		Other Reflectorized Traffic Signs *(10 14 53 11-0002)* Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
10 14 53 11-0021		Aluminum Engineer Grade Traffic Signs *(10 14 53 11-0020)*		
10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	49.59	19.18
		For Hi-Intensity Grade, Add	*3.37*	
		For Diamond Grade, Add	*6.40*	
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	55.21	19.18
		For Hi-Intensity Grade, Add	*5.05*	
		For Diamond Grade, Add	*9.60*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	55.21	19.18
		For Hi-Intensity Grade, Add	*5.05*	
		For Diamond Grade, Add	*9.60*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	59.41	19.18
		For Hi-Intensity Grade, Add	*6.31*	
		For Diamond Grade, Add	*11.99*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	63.62	19.18
		For Hi-Intensity Grade, Add	*7.58*	
		For Diamond Grade, Add	*14.39*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	74.43	20.38
		For Hi-Intensity Grade, Add	*10.10*	
		For Diamond Grade, Add	*19.19*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	108.10	20.38
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	60.82	19.18
		For Hi-Intensity Grade, Add	*6.74*	
		For Diamond Grade, Add	*12.80*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	74.43	20.38
		For Hi-Intensity Grade, Add	*10.10*	
		For Diamond Grade, Add	*19.19*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	85.66	20.38
		For Hi-Intensity Grade, Add	*13.47*	
		For Diamond Grade, Add	*25.59*	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	96.88	20.38
		For Hi-Intensity Grade, Add	*16.84*	
		For Diamond Grade, Add	*31.99*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	108.10	20.38
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0034	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	91.27	20.38
		For Hi-Intensity Grade, Add	*15.15*	
		For Diamond Grade, Add	*28.79*	
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	108.10	20.38
		For Hi-Intensity Grade, Add	*20.20*	
		For Diamond Grade, Add	*38.38*	
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	127.34	21.58
		For Hi-Intensity Grade, Add	*25.25*	
		For Diamond Grade, Add	*47.98*	
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	144.18	21.58
		For Hi-Intensity Grade, Add	*30.31*	
		For Diamond Grade, Add	*57.58*	
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	187.44	26.38
		For Hi-Intensity Grade, Add	*40.41*	
		For Diamond Grade, Add	*76.77*	
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	204.27	26.38
		For Hi-Intensity Grade, Add	*45.46*	
		For Diamond Grade, Add	*86.37*	
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	132.95	21.58
		For Hi-Intensity Grade, Add	*26.94*	
		For Diamond Grade, Add	*51.18*	
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	155.40	21.58
		For Hi-Intensity Grade, Add	*33.67*	
		For Diamond Grade, Add	*63.98*	
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	177.85	21.58
		For Hi-Intensity Grade, Add	*40.41*	
		For Diamond Grade, Add	*76.77*	
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	209.88	26.38
		For Hi-Intensity Grade, Add	*47.14*	
		For Diamond Grade, Add	*89.56*	
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	232.33	26.38
		For Hi-Intensity Grade, Add	*53.87*	
		For Diamond Grade, Add	*102.36*	
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	254.78	26.38
		For Hi-Intensity Grade, Add	*60.61*	
		For Diamond Grade, Add	*115.16*	
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	277.23	26.38
		For Hi-Intensity Grade, Add	*67.34*	
		For Diamond Grade, Add	*127.95*	
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	183.46	21.58
		For Hi-Intensity Grade, Add	*42.09*	
		For Diamond Grade, Add	*79.97*	
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	221.11	26.38
		For Hi-Intensity Grade, Add	*50.51*	
		For Diamond Grade, Add	*95.97*	
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	249.17	26.38
		For Hi-Intensity Grade, Add	*58.93*	
		For Diamond Grade, Add	*111.96*	
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	286.81	31.17
		For Hi-Intensity Grade, Add	*67.34*	
		For Diamond Grade, Add	*127.95*	
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	352.53	35.97
		For Hi-Intensity Grade, Add	*84.18*	
		For Diamond Grade, Add	*159.94*	
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	254.78	26.38
		For Hi-Intensity Grade, Add	*60.61*	
		For Diamond Grade, Add	*115.16*	
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	298.03	31.17
		For Hi-Intensity Grade, Add	*70.71*	
		For Diamond Grade, Add	*134.35*	
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	341.30	35.97
		For Hi-Intensity Grade, Add	*80.81*	
		For Diamond Grade, Add	*153.54*	
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	374.98	35.97
		For Hi-Intensity Grade, Add	*90.92*	
		For Diamond Grade, Add	*172.74*	
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	418.24	40.76
		For Hi-Intensity Grade, Add	*101.02*	
		For Diamond Grade, Add	*191.93*	
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	500.78	45.56
		For Hi-Intensity Grade, Add	*122.90*	
		For Diamond Grade, Add	*233.51*	
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	528.84	45.56
		For Hi-Intensity Grade, Add	*131.32*	
		For Diamond Grade, Add	*249.51*	
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	711.59	52.75
		For Hi-Intensity Grade, Add	*181.83*	
		For Diamond Grade, Add	*345.47*	
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	346.92	35.97
		For Hi-Intensity Grade, Add	*82.50*	
		For Diamond Grade, Add	*156.74*	
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	440.69	40.76
		For Hi-Intensity Grade, Add	*107.75*	
		For Diamond Grade, Add	*204.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	495.17	45.56
		For Hi-Intensity Grade, Add	*121.22*	
		For Diamond Grade, Add	*230.31*	
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	540.07	45.56
		For Hi-Intensity Grade, Add	*134.69*	
		For Diamond Grade, Add	*255.91*	
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	599.35	52.75
		For Hi-Intensity Grade, Add	*148.16*	
		For Diamond Grade, Add	*281.49*	
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	644.25	52.75
		For Hi-Intensity Grade, Add	*161.63*	
		For Diamond Grade, Add	*307.09*	
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	743.63	57.54
		For Hi-Intensity Grade, Add	*188.56*	
		For Diamond Grade, Add	*358.27*	
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	833.42	57.54
		For Hi-Intensity Grade, Add	*215.50*	
		For Diamond Grade, Add	*409.45*	
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	878.32	57.54
		For Hi-Intensity Grade, Add	*228.97*	
		For Diamond Grade, Add	*435.04*	
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	928.00	59.94
		For Hi-Intensity Grade, Add	*242.44*	
		For Diamond Grade, Add	*460.63*	
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	788.53	57.54
		For Hi-Intensity Grade, Add	*202.03*	
		For Diamond Grade, Add	*383.86*	
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,769.69	76.72
		For Hi-Intensity Grade, Add	*484.87*	
		For Diamond Grade, Add	*921.26*	
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	1,287.17	59.94
		For Hi-Intensity Grade, Add	*350.19*	
		For Diamond Grade, Add	*665.36*	

10 14 53 11-0073 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	98.26	18.03
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	112.70	19.18
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	120.77	20.43
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	148.10	21.58
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	185.58	22.82
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	209.91	22.82

10 14 53 11-0080 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0081 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	47.41	19.18
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	51.93	19.18
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	51.93	19.18
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	55.32	19.18
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	58.71	19.18
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	67.88	20.38
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	94.99	20.38
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	56.45	19.18
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	67.88	20.38
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	76.92	20.38
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	85.95	20.38
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	94.99	20.38
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	81.43	20.38
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	94.99	20.38
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	110.95	21.58
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	124.51	21.58
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	161.22	26.38
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	174.77	26.38
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	115.47	21.58
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	133.55	21.58
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	151.63	21.58
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	179.29	26.38
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	197.37	26.38
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	215.45	26.38
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	233.53	26.38
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	156.15	21.58
10 14 53 11-0108	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	188.33	26.38
10 14 53 11-0109	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	210.93	26.38
10 14 53 11-0110	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	243.11	31.17
10 14 53 11-0111	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	297.90	35.97
10 14 53 11-0112	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	215.45	26.38
10 14 53 11-0113	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	252.15	31.17
10 14 53 11-0114	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	288.86	35.97
10 14 53 11-0115	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	315.98	35.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0116	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	352.68	40.76
10 14 53 11-0117	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	421.03	45.56
10 14 53 11-0118	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	443.62	45.56
10 14 53 11-0119	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	593.60	52.75
10 14 53 11-0120	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	293.38	35.97
10 14 53 11-0121	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	370.76	40.76
10 14 53 11-0122	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	416.51	45.56
10 14 53 11-0123	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	452.66	45.56
10 14 53 11-0124	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	503.21	52.75
10 14 53 11-0125	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	539.36	52.75
10 14 53 11-0126	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	621.26	57.54
10 14 53 11-0127	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	693.57	57.54
10 14 53 11-0128	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	729.73	57.54
10 14 53 11-0129	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	770.68	59.94
10 14 53 11-0130	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	657.42	57.54
10 14 53 11-0131	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,455.04	76.72
10 14 53 11-0132	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	1,059.92	59.94
10 14 53 11-0133		**Aluminum Non-Reflectorized Traffic Signs** *(10 14 53 11-0080)*		
10 14 53 11-0134	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	47.78	19.18
10 14 53 11-0135	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	52.48	19.18
10 14 53 11-0136	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	52.48	19.18
10 14 53 11-0137	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	56.01	19.18
10 14 53 11-0138	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	59.54	19.18
10 14 53 11-0139	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	68.98	20.38
10 14 53 11-0140	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	97.20	20.38
10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	57.18	19.18
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	68.98	20.38
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	78.39	20.38
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	87.80	20.38
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	97.20	20.38
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	83.09	20.38
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	97.20	20.38
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	113.71	21.58
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	127.82	21.58
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	165.64	26.38
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	179.75	26.38
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	118.42	21.58
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	137.23	21.58
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	156.05	21.58
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	184.45	26.38
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	203.26	26.38
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	222.08	26.38
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	240.89	26.38
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	160.75	21.58
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	193.86	26.38
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	217.38	26.38
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	250.47	31.17
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	307.11	35.97
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	222.08	26.38
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	259.88	31.17
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	297.70	35.97
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	325.92	35.97
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	363.74	40.76
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	434.47	45.56
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	457.99	45.56
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	613.49	52.75
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	302.41	35.97
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	382.55	40.76
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	429.77	45.56
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	467.40	45.56
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	519.42	52.75
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	557.04	52.75
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	641.89	57.54
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	717.15	57.54
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	754.78	57.54
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	797.20	59.94
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	679.52	57.54
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,508.08	76.72
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	1,098.23	59.94
10 14 53 11-0185		**Polyethylene Non-Reflectorized Traffic Signs** *(10 14 53 11-0080)*		
10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	80.69	18.03
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	88.62	19.18
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	95.66	20.43
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	130.14	21.58
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	139.75	22.82
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	164.12	23.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0192		**Flashing Beacon** *(10 14 53 11-0001)*		
10 14 53 11-0193	EA	8" Diameter LED Flashing Beacon Note: Excludes sign and post	1,362.99	180.80
10 14 53 11-0194		**Rectangular Rapid Flashing Beacons (RRFB)** *(10 14 53 11-0001)*		
10 14 53 11-0195	EA	2.5"(h) x 17.5"(w) x 2.75"(d), Solar Powered, Single, LED Rectangular Rapid Flashing Beacon (RRFB) Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post	1,692.40	180.80
10 14 53 11-0196	EA	3.5″(h) x 20″(w) x 3″(d) LED Rectangular Rapid Flashing Beacons (RRFB), Solar Powered, Back To Back Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post	3,622.36	180.80
10 14 53 11-0197		**Aluminum Street Signs** *(10 14 53 11-0001)* Note: Excludes posts.		
10 14 53 11-0198		**Aluminum Engineer Grade Street Signs** *(10 14 53 11-0197)*		
10 14 53 11-0199	EA	6" High, Aluminum Engineer Grade Street Sign	112.00	9.59
		For Hi-Intensity Grade, Add	*27.85*	
		For Diamond Grade, Add	*52.91*	
10 14 53 11-0200	EA	8" High, Aluminum Engineer Grade Street Sign	128.39	9.59
		For Hi-Intensity Grade, Add	*32.76*	
		For Diamond Grade, Add	*62.25*	
10 14 53 11-0201	EA	9" High, Aluminum Engineer Grade Street Sign	140.58	9.59
		For Hi-Intensity Grade, Add	*36.42*	
		For Diamond Grade, Add	*69.20*	
10 14 53 11-0202		**Street Sign Accessories** *(10 14 53 11-0197)*		
10 14 53 11-0203	EA	Single Bracket And Post Cap For Street Sign	31.92	4.80
10 14 53 11-0204	EA	Double Bracket And Post Cap For Street Sign	31.92	4.80
10 14 53 11-0205		**Sign Posts** *(10 14 53 11-0001)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill., 32 31 13 13-0019 for concrete fill.		
10 14 53 11-0206		**U-Channel Sign Posts** *(10 14 53 11-0205)* Note: Excludes digging and concrete.		
10 14 53 11-0207		**Baked Enamel U-Channel Sign Posts** *(10 14 53 11-0206)*		
10 14 53 11-0208	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	77.92	19.59
10 14 53 11-0209	EA	6' Baked Enamel U-Channel Sign Post	103.45	24.49
10 14 53 11-0210	EA	7' Baked Enamel U-Channel Sign Post	123.38	29.38
10 14 53 11-0211	EA	8' Baked Enamel U-Channel Sign Post	144.57	34.28
10 14 53 11-0212	EA	10' Baked Enamel U-Channel Sign Post	174.20	41.63
10 14 53 11-0213	EA	12' Baked Enamel U-Channel Sign Post	180.41	41.63
10 14 53 11-0214		**Galvanized Steel U-Channel Sign Posts** *(10 14 53 11-0206)*		
10 14 53 11-0215	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	85.90	19.59
10 14 53 11-0216	EA	6' Galvanized Steel U-Channel Sign Post	116.12	24.49
10 14 53 11-0217	EA	7' Galvanized Steel U-Channel Sign Post	152.04	29.38
10 14 53 11-0218	EA	8' Galvanized Steel U-Channel Sign Post	176.26	34.28
10 14 53 11-0219	EA	10' Galvanized Steel U-Channel Sign Post	197.26	41.63
10 14 53 11-0220	EA	12' Galvanized Steel U-Channel Sign Post	200.47	41.63
10 14 53 11-0221		**Fiberglass Or Composite Plastic U-Channel Sign Posts** *(10 14 53 11-0206)*		
10 14 53 11-0222	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	76.04	19.59
10 14 53 11-0223	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	99.35	24.49
10 14 53 11-0224	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	118.43	29.38
10 14 53 11-0225	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	138.68	34.28
10 14 53 11-0226	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	163.51	41.63
10 14 53 11-0227	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	174.07	41.63
10 14 53 11-0228		**Tubular Sign Posts** *(10 14 53 11-0205)* Note: Excludes digging and concrete.		
10 14 53 11-0229		**2-3/8" Diameter, Galvanized Steel Tubular Sign Post** *(10 14 53 11-0228)*		
10 14 53 11-0230	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	117.43	24.49
10 14 53 11-0231	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	139.03	29.38
10 14 53 11-0232	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	164.64	34.28
10 14 53 11-0233	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	214.60	41.63
10 14 53 11-0234	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	236.36	41.63
10 14 53 11-0235		**Square Sign Posts** *(10 14 53 11-0205)* Note: Excludes digging and concrete.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0236		Galvanized Steel Square Sign Posts *(10 14 53 11-0235)*		
10 14 53 11-0237	EA	3' To 4' Galvanized Steel Square Sign Post Base	87.68	19.59
10 14 53 11-0238	EA	6' Galvanized Steel Square Sign Post	146.14	24.49
10 14 53 11-0239	EA	7' Galvanized Steel Square Sign Post	170.71	29.38
10 14 53 11-0240	EA	8' Galvanized Steel Square Sign Post	199.11	34.28
10 14 53 11-0241	EA	10' Galvanized Steel Square Sign Post	243.37	41.63
10 14 53 11-0242	EA	12' Galvanized Steel Square Sign Post	258.56	41.63
10 14 53 11-0243		Other Sign Posts And Bases *(10 14 53 11-0001)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0244		2.5 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0243)*		
10 14 53 11-0245		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0244)*		
10 14 53 11-0246	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	100.36	23.98
10 14 53 11-0247	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	62.00	19.18
10 14 53 11-0248		Breakaway Sign Posts, 2.5 Lb./LF *(10 14 53 11-0244)*		
10 14 53 11-0249	LF	2.5 Lb./LF Breakaway Sign Post	12.96	2.40
10 14 53 11-0250		4 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0243)*		
10 14 53 11-0251		Base Posts, 4 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0250)*		
10 14 53 11-0252	EA	Base Post For 4 Lb./LF Breakaway Sign Post	105.11	28.77
10 14 53 11-0253	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	62.00	19.18
10 14 53 11-0254		Breakaway Sign Posts, 4 Lb./LF *(10 14 53 11-0250)*		
10 14 53 11-0255	LF	4 Lb./LF Breakaway Sign Post	15.91	2.40
10 14 53 11-0256		Driven Sign Posts *(10 14 53 11-0243)*		
10 14 53 11-0257		Driven Posts, 2.5 Lb./LF *(10 14 53 11-0256)*		
10 14 53 11-0258	LF	2.5 Lb./LF Driven Post	13.92	3.36
10 14 53 11-0259		Driven Posts, 4 Lb./LF *(10 14 53 11-0256)*		
10 14 53 11-0260	LF	4 Lb./LF Driven Post	17.34	3.83
10 14 53 11-0261		Omni-Directional Breakaway System For Sign Posts And Light Poles *(10 14 53 11-0243)*		
10 14 53 11-0262		Omni-Directional Breakaway Systems For Signs *(10 14 53 11-0261)* Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0263	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,508.18	
10 14 53 11-0264	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,606.95	
10 14 53 11-0265	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,101.69	
10 14 53 11-0266	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	964.93	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,094.09	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	1,040.90	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,128.28	
10 14 53 11-0270		Omni-Directional Breakaway Systems For Poles *(10 14 53 11-0261)* Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0271	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	508.56	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	533.16	
10 14 53 11-0273	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	553.68	
10 14 53 11-0274	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	840.77	
10 14 53 11-0275	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	73.82	
10 14 53 11-0276	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	98.43	
10 14 53 11-0277		Sign Post Accessories *(10 14 53 11-0001)*		
10 14 53 11-0278		Sign Post Brackets *(10 14 53 11-0277)*		
10 14 53 11-0279	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	65.19	7.19
10 14 53 11-0280	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	85.03	11.99
10 14 53 11-0281	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	78.01	9.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0282		Sign Post Caps *(10 14 53 11-0277)*		
10 14 53 11-0283	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	28.54	4.80
10 14 53 11-0284		Sign Post Replacement Bolts *(10 14 53 11-0277)*		
10 14 53 11-0285	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	18.67	
10 14 53 11-0286		Removal Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations.		
10 14 53 11-0287	EA	>4 To 10 SF Sign Area, Sign Removal	191.81	
10 14 53 11-0288	EA	>10 To 20 SF Sign Area, Sign Removal	460.35	
10 14 53 11-0289	EA	>20 To 40 SF Sign Area, Sign Removal	690.52	
10 14 53 11-0290	EA	>40 To 100 SF Sign Area, Sign Removal	1,186.99	
10 14 53 11-0291		Removal And Reinstallation Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations		
10 14 53 11-0292	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	294.68	
10 14 53 11-0293	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	695.48	
10 14 53 11-0294	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,040.01	
10 14 53 11-0295	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,784.43	
10 14 53 11-0296	EA	Removal And Reinstallation Of Street Sign On Post	110.29	
10 14 53 11-0297	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	407.68	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		Bridge And Truss Mounted Signs *(10 14 56)*		
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0003	CF	Removal Of Foundation Note: Including Excavation	18.71	
10 14 56 00-0004	LF	Removal Of Truss And Supports	250.76	
10 14 56 00-0005	SF	Removal Of Sign Face	11.47	
10 14 56 00-0006	SF	Removal Of Legend	19.10	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	220.45	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	114.64	
10 14 56 00-0009		Fabricate And Install Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish	630.77	
10 14 56 00-0011	LF	Telescoping Steel Ground Posts	96.99	
10 14 56 00-0012	LF	Overhead Steel Mounting Framework	1,678.81	
10 14 56 00-0013	LB	Ground Mounted Steel Structure	6.53	
10 14 56 00-0014		Fabricate And Install New 12" Extruded Aluminum Channel *(10 14 56 00-0001)* Note: Includes reflective face with reflective legend.		
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	164.43	
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	146.86	
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	131.46	
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	118.17	
10 14 56 00-0019		Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*		
10 14 56 00-0020		One Color/3 Dimensional Demountable Letters *(10 14 56 00-0019)*		
10 14 56 00-0021	EA	6" Capital Height Letter	30.95	
10 14 56 00-0022	EA	8" Capital Height Letter	36.38	
10 14 56 00-0023	EA	10" Capital Height Letter	41.78	
10 14 56 00-0024	EA	12" Capital Height Letter	46.62	
10 14 56 00-0025	EA	14" Capital Height Letter	49.27	
10 14 56 00-0026		Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0019)*		
10 14 56 00-0027	EA	6" Legend/Shields	31.84	
10 14 56 00-0028	EA	8" Legend/Shields	37.57	
10 14 56 00-0029	EA	10" Legend/Shields	43.27	
10 14 56 00-0030	EA	12" Legend/Shields	48.40	
10 14 56 00-0031	EA	14" Legend/Shields	51.37	
10 14 56 00-0032		Fabricate And Install New Changeable Message Panel *(10 14 56 00-0001)*		
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel	37.12	
10 14 63		**Electronic Message Signage** *(10 14)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 63 00-0001		Dynamic Signs *(10 14 63)*		
10 14 63 00-0002		Programming/Software And Repair *(10 14 63 00-0001)*		
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	179.25	
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	112.03	
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source	112.03	
10 14 63 00-0006		Fabricate And Install New Sign Cabinets *(10 14 63 00-0001)*		
10 14 63 00-0007		Cabinet For Flip Disk Display *(10 14 63 00-0006)*		
10 14 63 00-0008	SF	1 To 99 SF Cabinet	200.99	
10 14 63 00-0009	SF	100 To 200 SF Cabinet	164.56	
10 14 63 00-0010		Fabricate And Install New Sign Face Components *(10 14 63 00-0001)*		
10 14 63 00-0011		Enhanced Flip Disk Display *(10 14 63 00-0010)*		
10 14 63 00-0012	EA	Enhanced Flip Disk	142.96	
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	56.68	
10 14 63 00-0014		Disappearing Copy Sign *(10 14 63 00-0010)*		
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign	52.04	
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	37.48	
10 14 63 00-0017		Fabricate And Install Transfer Lights And Signs *(10 14 63 00-0001)*		
10 14 63 00-0018	EA	Passenger Transfer Signage	570.48	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001		Enamel Coated Steel Toilet Partitions And Urinal Screens *(10 21 13 13)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002		Enamel Coated Steel Toilet Partitions *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0003		Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)*		
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,128.31	160.68
		For >10, Deduct	*-80.69*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,358.12	174.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,448.92	182.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0007		Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Includes head rail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,184.39	196.40
		For >10, Deduct	*-79.16*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,370.13	210.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,446.72	217.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0011		Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions *(10 21 13 13-0002)* Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,398.01	232.11
		For >10, Deduct	*-93.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,621.86	246.39
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,701.76	253.53
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0015		**Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)* Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,365.55	267.81
		For >10, Deduct	*-82.99*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,626.05	282.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,714.61	289.24
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 13-0019		**Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0020		**Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	602.40	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	666.53	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	732.54	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0024		**Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	351.51	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	379.22	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	401.14	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	448.13	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	498.04	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	531.49	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	564.94	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0034		**Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	560.23	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	601.35	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	663.55	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0038		**Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0039		**Enamel Coated Steel, Toilet Partition Doors** *(10 21 13 13-0038)*		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	348.48	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	356.15	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	377.68	30.71
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	412.18	30.71
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	419.84	30.71
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 13-0045		**Enamel Coated Steel, Toilet Partition Panels** *(10 21 13 13-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	258.20	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	284.51	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	310.83	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	337.13	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	363.44	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	389.75	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	414.14	64.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	440.45	67.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	459.10	71.41
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	469.61	72.84
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	483.49	74.98
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	527.04	78.56
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	564.85	82.13
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 13-0059 70" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	192.35	21.43
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	212.91	24.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	235.39	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	273.20	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	309.08	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	344.98	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	442.21	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	506.85	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	544.66	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	155.94	21.43
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	170.74	24.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	187.48	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	211.87	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	234.33	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	258.73	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	317.62	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	357.34	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	381.74	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	216.23	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	236.78	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	259.25	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	297.06	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	332.95	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	368.84	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	466.08	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	530.72	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	568.53	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,535.04	160.68
		For >10, Deduct	*-221.37*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*774.78*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,054.55	174.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*946.61*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,198.94	182.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*992.15*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes head rail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,166.61	196.40
		For >10, Deduct	*-177.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*620.84*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,627.76	210.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*772.24*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,859.53	217.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*848.36*	

10 21 13 14-0011 Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,987.66	232.11
		For >10, Deduct	*-252.35*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*883.21*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,203.52	246.39
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*948.76*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,352.07	253.53
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*995.75*	

10 21 13 14-0015 Ceiling Hung, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Excludes above ceiling steel.

10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	3,002.68	267.81
		For >10, Deduct	*-246.71*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*863.47*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,640.10	282.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*1,076.57*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,825.17	289.24
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For Diamond Pattern Finish, Add	*1,136.35*	

10 21 13 14-0019 Stainless Steel Urinal Screens *(10 21 13 14-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0020		**Floor Anchored, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	852.50	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*228.41*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	962.96	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*262.07*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	985.11	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*264.83*	
10 21 13 14-0024		**Wall Hung, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	634.33	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*162.05*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	686.43	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*175.28*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	748.91	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*192.16*	
10 21 13 14-0028		**Wall Hung And Post Supported, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,014.20	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*290.00*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,063.90	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*302.40*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,113.37	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*314.72*	
10 21 13 14-0032		**Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	852.50	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*228.41*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	962.95	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*262.07*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,077.92	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*297.31*	
10 21 13 14-0036		**Stainless Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 14-0001)*		
10 21 13 14-0037		**Stainless Steel, Toilet Partition Doors** *(10 21 13 14-0036)*		
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	550.82	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*172.79*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	628.79	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*200.08*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	646.73	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*203.86*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	669.24	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*211.74*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	675.50	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For Diamond Pattern Finish, Add	*213.93*	
10 21 13 14-0043		**Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	481.84	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*138.65*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	534.73	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*154.66*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	557.70	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*160.20*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	583.65	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*166.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	626.33	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*179.22*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	675.78	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*194.03*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	788.43	64.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*230.96*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	862.43	67.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*254.36*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	885.42	71.41
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*259.90*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	928.74	72.84
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*274.07*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	985.82	74.98
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*292.54*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,032.93	78.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*306.53*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,132.07	82.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*338.74*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	331.44	21.43
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*101.01*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	361.45	24.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*109.01*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	393.24	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*117.64*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	447.89	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*134.26*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	502.53	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*150.89*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	557.19	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*167.52*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	705.10	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*216.79*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	807.27	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*250.05*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	861.93	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*266.68*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	254.96	21.43
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*74.24*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	276.62	24.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*79.32*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	299.02	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*84.66*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	386.67	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*112.84*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	436.22	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*127.68*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	452.17	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*130.76*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	511.84	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*149.15*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	576.75	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*169.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	612.55	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*179.40*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	365.08	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*107.78*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	400.38	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*117.64*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	433.90	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*126.87*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	497.36	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*146.58*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	559.05	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*165.67*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	620.74	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*184.77*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	795.06	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*243.27*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	911.30	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*281.46*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	974.75	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Diamond Pattern Finish, Add	*301.17*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,629.89	160.68
		For >10, Deduct	*-130.85*	
		For Cast Stainless Steel Hardware, Add	*215.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,993.48	174.97
		For Cast Stainless Steel Hardware, Add	*215.57*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,145.36	182.11
		For Cast Stainless Steel Hardware, Add	*215.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes head rail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,765.19	196.40
		For >10, Deduct	*-137.24*	
		For Cast Stainless Steel Hardware, Add	*215.59*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,144.74	210.68
		For Cast Stainless Steel Hardware, Add	*215.61*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,308.59	217.82
		For Cast Stainless Steel Hardware, Add	*215.61*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,360.33	267.81
		For >10, Deduct	*-182.47*	
		For Cast Stainless Steel Hardware, Add	*215.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,752.18	282.10
		For Cast Stainless Steel Hardware, Add	*215.68*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,904.04	289.24
		For Cast Stainless Steel Hardware, Add	*215.69*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	687.91	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	750.07	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	773.73	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	534.58	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	562.54	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	589.25	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	708.86	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	777.72	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	852.32	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	654.53	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	718.04	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	740.93	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	540.89	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	587.89	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	607.85	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	622.38	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	636.06	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	276.22	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	305.52	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	334.82	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	365.24	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	393.41	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	423.95	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	433.70	64.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	445.08	67.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	468.51	71.41
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	487.97	72.84
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	509.80	74.98
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	581.04	78.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	661.68	82.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	224.90	21.43
		For 1-1/4" Pilaster, Add	*15.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*182.05*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	259.39	24.99
		For 1-1/4" Pilaster, Add	*17.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*209.40*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	266.54	28.56
		For 1-1/4" Pilaster, Add	*17.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*209.40*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	294.19	32.13
		For 1-1/4" Pilaster, Add	*18.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*229.91*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	307.30	35.71
		For 1-1/4" Pilaster, Add	*19.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*235.89*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	334.11	39.28
		For 1-1/4" Pilaster, Add	*21.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*255.55*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	425.01	42.85
		For 1-1/4" Pilaster, Add	*27.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*339.31*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	514.19	46.42
		For 1-1/4" Pilaster, Add	*34.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*421.35*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	576.90	49.99
		For 1-1/4" Pilaster, Add	*39.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*476.91*	

10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*

10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	440.27	21.43
		For 1-1/4" Pilaster, Add	*32.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*397.42*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	486.73	24.99
		For 1-1/4" Pilaster, Add	*36.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*436.74*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	493.88	28.56
		For 1-1/4" Pilaster, Add	*36.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*436.74*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	534.35	32.13
		For 1-1/4" Pilaster, Add	*38.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*470.07*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	583.36	35.71
		For 1-1/4" Pilaster, Add	*42.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*511.95*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	622.99	39.28
		For 1-1/4" Pilaster, Add	*44.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*544.43*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	775.01	42.85
		For 1-1/4" Pilaster, Add	*56.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*689.31*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	882.56	46.42
		For 1-1/4" Pilaster, Add	*65.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*789.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	905.95	49.99
		For 1-1/4" Pilaster, Add	*66.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For Steel Core Pilaster, Add	*805.96*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,144.96	196.40
		For >10, Deduct	*-175.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,086.35*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,634.99	210.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,372.45*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,917.12	217.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,538.52*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,150.01	232.11
		For >10, Deduct	*-168.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,045.20*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,682.89	246.39
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,357.87*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,965.02	253.53
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,523.94*	

10 21 13 19-0011 Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,259.64	267.81
		For >10, Deduct	*-172.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,068.89*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,674.58	282.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,308.44*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,956.69	289.24
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,474.50*	

10 21 13 19-0015 Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0016 Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	507.01	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*208.12*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	534.52	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*216.31*	

10 21 13 19-0019 Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	641.88	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*282.88*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	808.22	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*377.16*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	897.39	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*423.59*	

10 21 13 19-0023 Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0015)*

10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	656.16	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*282.88*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	822.50	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*377.16*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	973.78	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*462.10*	

10 21 13 19-0027 Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters

(10 21 13 19-0001)

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0028 Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0027)*

10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	508.14	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*279.62*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	549.18	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*305.06*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	597.06	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*330.32*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	680.12	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*381.82*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	699.77	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*394.00*	

10 21 13 19-0034 Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0027)*

10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	185.66	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*61.98*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	292.77	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*123.96*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	399.86	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*185.92*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	465.96	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*222.47*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	562.82	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*278.10*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	601.34	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*297.56*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	674.40	64.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*338.43*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	759.50	67.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*386.76*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	829.09	71.41
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*425.48*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	847.06	72.84
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*434.85*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	875.53	74.98
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*449.84*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	988.51	78.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*515.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	1,064.95	82.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*558.43*	
10 21 13 19-0048		**82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	235.41	21.43
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*119.39*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	261.86	24.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*131.36*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	284.94	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*141.24*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	306.31	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*150.06*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	343.85	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*168.91*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	381.38	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*187.75*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	521.90	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*270.44*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	589.69	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*308.05*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	642.00	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*336.05*	
10 21 13 19-0058		**96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	287.77	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*142.99*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	316.87	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*156.61*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	349.05	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*172.14*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	395.33	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*196.40*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	442.04	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*220.93*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	488.32	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*245.20*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	624.47	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*325.18*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	698.37	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*366.57*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	759.26	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*399.89*	
10 21 13 19-0068		**Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens** *(10 21 13 19)*		
		Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0069		**Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions** *(10 21 13 19-0068)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0070		**Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0069)*		
		Note: Includes head rail.		
10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,758.22	196.40
		For >10, Deduct	*-236.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,466.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,409.78	210.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,852.82*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,785.65	217.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*2,077.01*	

10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,740.04	232.11
		For >10, Deduct	*-227.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,411.01*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,449.42	246.39
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,833.12*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,825.30	253.53
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*2,057.31*	

10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,863.06	267.81
		For >10, Deduct	*-232.74*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,443.01*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,413.20	282.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,766.38*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,789.05	289.24
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*1,990.56*	

10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	624.48	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*280.95*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	652.32	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*289.35*	

10 21 13 19-0086 Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,006.85	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*509.16*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,144.65	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*585.75*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,220.36	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*623.83*	

10 21 13 19-0090 Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	815.83	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*381.88*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,035.41	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*509.16*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,234.64	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*623.83*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0094		Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*			
		Note: Includes all standard Columbia Partitions colors.			
10 21 13 19-0095		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*			
10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door		665.98	28.56
		For Heavy Gauge Full-Height SS Hinge, Add		*119.65*	
		For NFPA Class A, Add		*377.48*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door		721.41	28.56
		For Heavy Gauge Full-Height SS Hinge, Add		*119.65*	
		For NFPA Class A, Add		*411.85*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door		783.53	32.13
		For Heavy Gauge Full-Height SS Hinge, Add		*119.65*	
		For NFPA Class A, Add		*445.94*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door		895.67	32.13
		For Heavy Gauge Full-Height SS Hinge, Add		*119.65*	
		For NFPA Class A, Add		*515.46*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door		922.20	32.13
		For Heavy Gauge Full-Height SS Hinge, Add		*119.65*	
		For NFPA Class A, Add		*531.91*	
10 21 13 19-0101		Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*			
10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		220.64	42.85
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*83.66*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		362.74	46.42
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*167.34*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		504.83	49.99
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*251.00*	
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		591.54	53.56
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*300.33*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		719.79	57.14
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*375.42*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		769.30	60.71
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*401.69*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		865.44	64.28
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*456.87*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		977.85	67.85
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*522.14*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		1,069.28	71.41
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*574.39*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		1,092.54	72.84
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*587.05*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		1,129.46	74.98
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*607.28*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		1,279.52	78.56
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*695.89*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel		1,380.19	82.13
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*753.88*	
10 21 13 19-0115		82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*			
10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		302.80	21.43
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*161.17*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		336.01	24.99
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*177.33*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		364.66	28.56
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*190.66*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		420.73	32.13
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*221.00*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster		472.65	35.71
		For Heavy Gauge Full-Height SS Brackets, Add		*74.36*	
		For NFPA Class A, Add		*248.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	524.53	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*276.50*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	674.56	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*365.09*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	763.59	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*415.87*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	831.70	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*453.66*	

10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	368.49	28.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*193.04*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	405.28	32.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*211.42*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	446.24	35.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*232.39*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	506.22	39.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*265.15*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	566.77	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*298.26*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	626.72	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*331.01*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	808.06	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*439.00*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	905.30	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*494.87*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	984.99	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*539.85*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,474.31	160.68
		For >10, Deduct	*-215.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*468.18*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,039.60	174.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*582.33*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,394.05	182.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*654.47*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes head rail.

10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,746.98	196.40
		For >10, Deduct	*-235.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*514.02*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,334.74	210.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*632.88*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,706.31	217.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*708.62*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0145		Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,836.79	232.11
		For >10, Deduct	*-237.26*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*521.45*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,420.37	246.39
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*639.43*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,774.82	253.53
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*711.58*	
10 21 13 19-0149		Ceiling Hung, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,798.39	267.81
		For >10, Deduct	*-226.28*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*501.96*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,363.29	282.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*616.02*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,717.73	289.24
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
		For NFPA Class A, Add	*688.17*	
10 21 13 19-0153		Solid Phenolic Urinal Screens *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		Floor Anchored, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	901.59	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*157.35*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,019.28	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*179.78*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,222.45	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*220.16*	
10 21 13 19-0158		Wall Hung, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	576.47	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*93.64*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	667.66	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*110.51*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	802.55	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*136.55*	
10 21 13 19-0162		Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	585.47	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*93.25*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	733.01	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*121.95*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	856.90	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*145.68*	
10 21 13 19-0166		Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	927.75	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*165.13*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,046.16	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*187.71*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,253.19	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*228.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	670.80	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*131.73*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	693.87	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*136.57*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	760.22	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*149.36*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	820.39	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*162.00*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	882.20	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
		For NFPA Class A, Add	*174.98*	
10 21 13 19-0177		**Solid Phenolic, Toilet Partition Panels** *(10 21 13 19-0170)*		
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	213.59	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*31.14*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	284.63	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*44.92*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	387.64	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*65.41*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	491.73	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*86.12*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	548.31	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*96.86*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	607.72	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*108.20*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	709.08	64.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*128.34*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	813.45	67.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*149.11*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	867.60	71.41
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*159.34*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	891.82	72.84
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*163.97*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	908.93	74.98
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*166.88*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,045.98	78.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*194.52*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,263.36	82.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*239.03*	
10 21 13 19-0191		**69" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	318.91	21.43
		For 1" Pilaster, Add	*34.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*60.12*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	367.07	24.99
		For 1" Pilaster, Add	*39.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*69.09*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	374.22	28.56
		For 1" Pilaster, Add	*39.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*69.44*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	433.50	32.13
		For 1" Pilaster, Add	*46.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*80.75*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	487.64	35.71
		For 1" Pilaster, Add	*52.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*90.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	541.79	39.28
		For 1" Pilaster, Add	*57.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*101.21*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	693.37	42.85
		For 1" Pilaster, Add	*75.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*131.90*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	851.79	46.42
		For 1" Pilaster, Add	*94.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*164.02*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	894.84	49.99
		For 1" Pilaster, Add	*99.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*171.92*	
10 21 13 19-0201		**83" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	349.68	21.43
		For 1" Pilaster, Add	*38.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*66.58*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	409.81	24.99
		For 1" Pilaster, Add	*44.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*78.06*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	416.96	28.56
		For 1" Pilaster, Add	*44.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*78.42*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	483.07	32.13
		For 1" Pilaster, Add	*52.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*91.16*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	545.75	35.71
		For 1" Pilaster, Add	*59.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*103.18*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	608.90	39.28
		For 1" Pilaster, Add	*66.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*115.30*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	793.37	42.85
		For 1" Pilaster, Add	*88.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*152.90*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	945.40	46.42
		For 1" Pilaster, Add	*106.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*183.68*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	994.42	49.99
		For 1" Pilaster, Add	*111.80*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*192.83*	
10 21 13 19-0211		**96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters** *(10 21 13 19-0170)*		
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	394.74	28.56
		For 1" Pilaster, Add	*42.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*73.75*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	466.83	32.13
		For 1" Pilaster, Add	*50.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*87.75*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	473.96	35.71
		For 1" Pilaster, Add	*50.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*88.11*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	546.92	39.28
		For 1" Pilaster, Add	*58.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*102.28*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	618.16	42.85
		For 1" Pilaster, Add	*66.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*116.10*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	690.26	46.42
		For 1" Pilaster, Add	*74.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*130.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	907.66	49.99
		For 1" Pilaster, Add	*100.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*174.61*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	1,053.26	53.56
		For 1" Pilaster, Add	*118.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*204.04*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	1,108.26	57.14
		For 1" Pilaster, Add	*124.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
		For NFPA Class A, Add	*214.45*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,732.66	160.68
		For >10, Deduct	*-241.13*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,362.36	174.97
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,757.63	182.11
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes head rail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	3,029.48	196.40
		For >10, Deduct	*-263.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,684.35	210.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,098.79	217.82
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0231 Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	3,121.50	232.11
		For >10, Deduct	*-265.73*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,771.69	246.39
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,166.96	253.53
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0235 Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Excludes above ceiling steel.

10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	3,069.92	267.81
		For >10, Deduct	*-253.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,699.19	282.10
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,094.44	289.24
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0239		Solid Color Reinforced Composite Urinal Screens *(10 21 13 19-0221)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0240		Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	985.79	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,115.90	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,341.73	114.23
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0244		Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	625.08	85.67
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	725.50	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	874.87	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0248		Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	633.45	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	796.99	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	934.02	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0252		Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,016.81	92.81
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,147.72	99.96
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,377.87	107.09
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0256		Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)* Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257		Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)*		
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	744.44	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	770.28	28.56
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	843.74	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	911.13	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	980.35	32.13
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0263		Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)*		
10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	228.94	42.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	307.64	46.42
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	422.16	49.99
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	537.89	53.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	600.39	57.14
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	666.08	60.71
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	778.74	64.28
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	894.78	67.85
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	954.58	71.41
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	981.36	72.84
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,000.01	74.98
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,152.65	78.56
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,395.26	82.13
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0277		69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	352.04	21.43
		For 1" Pilaster, Add	*38.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	405.12	24.99
		For 1" Pilaster, Add	*44.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	412.27	28.56
		For 1" Pilaster, Add	*44.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	477.81	32.13
		For 1" Pilaster, Add	*51.69*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	537.58	35.71
		For 1" Pilaster, Add	*58.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	597.38	39.28
		For 1" Pilaster, Add	*64.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	766.29	42.85
		For 1" Pilaster, Add	*85.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	942.87	46.42
		For 1" Pilaster, Add	*106.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	990.22	49.99
		For 1" Pilaster, Add	*111.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0287		83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	386.50	21.43
		For 1" Pilaster, Add	*42.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	452.99	24.99
		For 1" Pilaster, Add	*50.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	460.14	28.56
		For 1" Pilaster, Add	*50.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	533.33	32.13
		For 1" Pilaster, Add	*58.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	602.68	35.71
		For 1" Pilaster, Add	*66.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	672.54	39.28
		For 1" Pilaster, Add	*74.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	878.29	42.85
		For 1" Pilaster, Add	*99.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,047.70	46.42
		For 1" Pilaster, Add	*119.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,101.76	49.99
		For 1" Pilaster, Add	*125.22*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0297		96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*		
10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	435.25	28.56
		For 1" Pilaster, Add	*47.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	515.14	32.13
		For 1" Pilaster, Add	*56.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	522.27	35.71
		For 1" Pilaster, Add	*56.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	603.13	39.28
		For 1" Pilaster, Add	*65.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	682.06	42.85
		For 1" Pilaster, Add	*74.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	761.95	46.42
		For 1" Pilaster, Add	*83.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,004.58	49.99
		For 1" Pilaster, Add	*113.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,166.79	53.56
		For 1" Pilaster, Add	*132.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,227.54	57.14
		For 1" Pilaster, Add	*139.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,312.67	160.68
		For >10, Deduct	*-499.13*	
		For Solid Color Material (No Particulate), Deduct	*-1,148.00*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,414.55	174.97
		For Solid Color Material (No Particulate), Deduct	*-1,394.86*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,112.70	182.11
		For Solid Color Material (No Particulate), Deduct	*-1,552.15*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,520.04	196.40
		For >10, Deduct	*-512.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,179.27*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,248.92	210.68
		For Solid Color Material (No Particulate), Deduct	*-1,570.34*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,023.65	217.82
		For Solid Color Material (No Particulate), Deduct	*-1,745.24*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,184.50	232.11
		For >10, Deduct	*-572.03*	
		For Solid Color Material (No Particulate), Deduct	*-1,315.67*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,301.57	246.39
		For Solid Color Material (No Particulate), Deduct	*-1,796.02*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	9,075.69	253.53
		For Solid Color Material (No Particulate), Deduct	*-1,970.78*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,248.56	267.81
		For >10, Deduct	*-571.30*	
		For Solid Color Material (No Particulate), Deduct	*-1,313.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,978.09	282.10
		For Solid Color Material (No Particulate), Deduct	*-1,705.19*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,752.19	289.24
		For Solid Color Material (No Particulate), Deduct	*-1,879.96*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*268.37*	

10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*

10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,469.50	99.96
		For Solid Color Material (No Particulate), Deduct	*-292.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,939.69	107.09
		For Solid Color Material (No Particulate), Deduct	*-396.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,409.89	114.23
		For Solid Color Material (No Particulate), Deduct	*-501.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	754.47	85.67
		For Solid Color Material (No Particulate), Deduct	*-134.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	963.11	92.81
		For Solid Color Material (No Particulate), Deduct	*-178.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,171.78	99.96
		For Solid Color Material (No Particulate), Deduct	*-223.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	985.49	92.81
		For Solid Color Material (No Particulate), Deduct	*-183.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,227.74	99.96
		For Solid Color Material (No Particulate), Deduct	*-236.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,469.97	107.09
		For Solid Color Material (No Particulate), Deduct	*-288.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,504.90	92.81
		For Solid Color Material (No Particulate), Deduct	*-303.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,975.10	99.96
		For Solid Color Material (No Particulate), Deduct	*-408.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,445.30	107.09
		For Solid Color Material (No Particulate), Deduct	*-513.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,158.92	28.56
		For Solid Color Material (No Particulate), Deduct	*-253.41*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,237.66	28.56
		For Solid Color Material (No Particulate), Deduct	*-271.52*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,411.35	32.13
		For Solid Color Material (No Particulate), Deduct	*-309.83*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,573.85	32.13
		For Solid Color Material (No Particulate), Deduct	*-347.20*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,644.56	32.13
		For Solid Color Material (No Particulate), Deduct	*-363.46*	
		For Heavy Gauge Full-Height SS Hinge, Add	*119.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0349		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	313.64	42.85
		For Solid Color Material (No Particulate), Deduct	*-52.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	548.76	46.42
		For Solid Color Material (No Particulate), Deduct	*-104.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	783.85	49.99
		For Solid Color Material (No Particulate), Deduct	*-157.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,018.96	53.56
		For Solid Color Material (No Particulate), Deduct	*-209.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,254.05	57.14
		For Solid Color Material (No Particulate), Deduct	*-262.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,489.13	60.71
		For Solid Color Material (No Particulate), Deduct	*-314.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,724.25	64.28
		For Solid Color Material (No Particulate), Deduct	*-367.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,959.33	67.85
		For Solid Color Material (No Particulate), Deduct	*-419.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,232.43	71.41
		For Solid Color Material (No Particulate), Deduct	*-480.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,349.28	72.84
		For Solid Color Material (No Particulate), Deduct	*-506.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,429.54	74.98
		For Solid Color Material (No Particulate), Deduct	*-524.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,816.60	78.56
		For Solid Color Material (No Particulate), Deduct	*-611.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,127.67	82.13
		For Solid Color Material (No Particulate), Deduct	*-681.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0363		**72" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	400.61	21.43
		For Solid Color Material (No Particulate), Deduct	*-82.28*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	497.19	24.99
		For Solid Color Material (No Particulate), Deduct	*-102.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	593.78	28.56
		For Solid Color Material (No Particulate), Deduct	*-123.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	779.83	32.13
		For Solid Color Material (No Particulate), Deduct	*-164.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	965.84	35.71
		For Solid Color Material (No Particulate), Deduct	*-205.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,151.87	39.28
		For Solid Color Material (No Particulate), Deduct	*-246.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,695.66	42.85
		For Solid Color Material (No Particulate), Deduct	*-370.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,060.59	46.42
		For Solid Color Material (No Particulate), Deduct	*-452.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,246.62	49.99
		For Solid Color Material (No Particulate), Deduct	*-493.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0373		**82" Long, Solid Polyester (Corian), Toilet Partition Pilasters** *(10 21 13 19-0342)*		
10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	450.30	21.43
		For Solid Color Material (No Particulate), Deduct	*-93.71*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	559.33	24.99
		For Solid Color Material (No Particulate), Deduct	*-117.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	656.68	28.56
		For Solid Color Material (No Particulate), Deduct	*-137.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	894.74	32.13
		For Solid Color Material (No Particulate), Deduct	*-191.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,090.06	35.71
		For Solid Color Material (No Particulate), Deduct	*-234.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,300.93	39.28
		For Solid Color Material (No Particulate), Deduct	*-281.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,919.27	42.85
		For Solid Color Material (No Particulate), Deduct	*-421.72*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,333.89	46.42
		For Solid Color Material (No Particulate), Deduct	*-515.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,544.76	49.99
		For Solid Color Material (No Particulate), Deduct	*-562.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0383		96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*		
10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	593.78	28.56
		For Solid Color Material (No Particulate), Deduct	*-123.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	735.10	32.13
		For Solid Color Material (No Particulate), Deduct	*-154.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	876.40	35.71
		For Solid Color Material (No Particulate), Deduct	*-185.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,151.87	39.28
		For Solid Color Material (No Particulate), Deduct	*-246.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,427.34	42.85
		For Solid Color Material (No Particulate), Deduct	*-308.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,702.80	46.42
		For Solid Color Material (No Particulate), Deduct	*-370.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,514.94	49.99
		For Solid Color Material (No Particulate), Deduct	*-555.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,058.75	53.56
		For Solid Color Material (No Particulate), Deduct	*-678.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,334.21	57.14
		For Solid Color Material (No Particulate), Deduct	*-740.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*74.36*	
10 21 13 43		**Compartments and Cubicles Common Accessories** *(10 21 13)*		
10 21 13 43-0001		Accessories *(10 21 13 43)*		
10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	15.29	2.86
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	26.69	2.86
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	124.56	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	80.40	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	133.50	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	96.29	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	228.46	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	208.68	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	160.97	
10 21 16		**Shower and Dressing Compartments** *(10 21)*		
10 21 16 17		**Phenolic-Core Shower and Dressing Compartments** *(10 21 16)*		
10 21 16 17-0001		Shower Dividers *(10 21 16 17)*		
10 21 16 17-0002		Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)* Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.		
10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,252.07	178.54
		For 66" High Panels, Add	*134.25*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,579.00	192.83
		For 66" High Panels, Add	*179.00*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,048.03	214.25
		For 66" High Panels, Add	*242.93*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,417.76	249.96
		For 66" High Panels, Add	*287.68*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,787.52	285.67
		For 66" High Panels, Add	*332.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0008		Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*		
		Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.		
10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,042.62	313.81
		For 66" High Panels, Add	*425.01*	
		For 6" Wide Head Rail, Add	*78.73*	
		For 8" Wide Head Rail, Add	*109.15*	
		For 10" Wide Head Rail, Add	*133.30*	
		For 12" Wide Head Rail, Add	*160.59*	
		For 18" Wide, 1/2" Thick Bench, Add	*147.76*	
		For 24" Wide, 1/2" Thick Bench, Add	*187.76*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,763.38	342.65
		For 66" High Panels, Add	*530.24*	
		For 6" Wide Head Rail, Add	*99.19*	
		For 8" Wide Head Rail, Add	*136.83*	
		For 10" Wide Head Rail, Add	*167.61*	
		For 12" Wide Head Rail, Add	*201.81*	
		For 18" Wide, 1/2" Thick Bench, Add	*153.54*	
		For 24" Wide, 1/2" Thick Bench, Add	*193.54*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,753.81	364.37
		For 66" High Panels, Add	*676.63*	
		For 6" Wide Head Rail, Add	*128.04*	
		For 8" Wide Head Rail, Add	*175.58*	
		For 10" Wide Head Rail, Add	*215.83*	
		For 12" Wide Head Rail, Add	*259.72*	
		For 18" Wide, 1/2" Thick Bench, Add	*157.87*	
		For 24" Wide, 1/2" Thick Bench, Add	*197.87*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,077.14	407.64
		For 66" High Panels, Add	*720.81*	
		For 6" Wide Head Rail, Add	*136.01*	
		For 8" Wide Head Rail, Add	*186.78*	
		For 10" Wide Head Rail, Add	*229.40*	
		For 12" Wide Head Rail, Add	*276.09*	
		For 18" Wide, 1/2" Thick Bench, Add	*166.53*	
		For 24" Wide, 1/2" Thick Bench, Add	*206.53*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,810.86	443.07
		For 66" High Panels, Add	*827.33*	
		For 6" Wide Head Rail, Add	*156.60*	
		For 8" Wide Head Rail, Add	*214.71*	
		For 10" Wide Head Rail, Add	*263.96*	
		For 12" Wide Head Rail, Add	*317.64*	
		For 18" Wide, 1/2" Thick Bench, Add	*173.61*	
		For 24" Wide, 1/2" Thick Bench, Add	*213.61*	

10 21 23 Cubicle Curtains and Track *(10 21)*

10 21 23 13 Cubicle Curtains *(10 21 23)*

10 21 23 13-0001		Hospital Curtains With Nylon Mesh Tops *(10 21 23 13)*		
10 21 23 13-0002	LF	84" High, Fire Resistant Polyester, Hospital Cubicle Curtain	22.83	1.23
10 21 23 13-0003	LF	90" High, Fire Resistant Polyester, Hospital Cubicle Curtain	24.19	1.23
10 21 23 13-0004	LF	96" High, Fire Resistant Polyester, Hospital Cubicle Curtain	25.90	1.23
10 21 23 13-0005	LF	102" High, Fire Resistant Polyester, Hospital Cubicle Curtain	27.28	1.23
10 21 23 13-0006	LF	108" High, Fire Resistant Polyester, Hospital Cubicle Curtain	28.66	1.23
10 21 23 13-0007	LF	120" High, Fire Resistant Polyester, Hospital Cubicle Curtain	31.31	1.23

10 21 23 16 Cubicle Track and Hardware *(10 21 23)*

10 21 23 16-0001		Hospital Cubicle Curtain Channel Track *(10 21 23 16)*		
		Note: Track is extruded aluminum. Includes curved sections, carrier rollers and all fittings.		
10 21 23 16-0002	LF	Flush Mounted, Aluminum, Hospital Cubicle Curtain Channel Track	25.71	6.49
10 21 23 16-0003	LF	Suspended, Aluminum, Hospital Cubicle Curtain Channel Track	40.17	7.14
10 21 23 16-0004		Hospital IV Tracks *(10 21 23 16)*		
10 21 23 16-0005	LF	Oval Hospital Partition IV Track	24.17	4.07
10 21 23 16-0006	EA	Hospital Partition IV Trolley	129.17	16.99
10 21 23 16-0007	EA	5 Hook Tree, Hospital Partition IV Pendant	496.70	16.99

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001		Wall Panels *(10 22 13)*		
		Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.66	1.79
		For 5' Wide Panels, Add	*0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.39	2.14
		For 5' Wide Panels, Add	*0.66*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	26.21	2.50
		For 5' Wide Panels, Add	*1.06*	
10 22 13 00-0005		**Ceiling Panels** *(10 22 13)*		
		Note: Includes steel frame.		
10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.30	2.14
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.04	2.50
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	20.01	2.86
10 22 13 00-0009		**Sliding Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,543.72	374.94
		For 8 Gauge, Add	*156.57*	
		For 6 Gauge, Add	*313.14*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,633.05	414.22
		For 8 Gauge, Add	*162.11*	
		For 6 Gauge, Add	*324.23*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,777.32	428.51
		For 8 Gauge, Add	*180.90*	
		For 6 Gauge, Add	*361.80*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,937.54	464.21
		For 8 Gauge, Add	*197.79*	
		For 6 Gauge, Add	*395.58*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,008.13	492.77
		For 8 Gauge, Add	*202.66*	
		For 6 Gauge, Add	*405.33*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,202.50	521.35
		For 8 Gauge, Add	*226.11*	
		For 6 Gauge, Add	*452.21*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,367.18	560.63
		For 8 Gauge, Add	*242.95*	
		For 6 Gauge, Add	*485.90*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,567.85	585.62
		For 8 Gauge, Add	*268.05*	
		For 6 Gauge, Add	*536.11*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,593.74	599.90
		For 8 Gauge, Add	*269.08*	
		For 6 Gauge, Add	*538.16*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,853.52	635.61
		For 8 Gauge, Add	*300.91*	
		For 6 Gauge, Add	*601.81*	
10 22 13 00-0020		**Swing Doors** *(10 22 13)*		
10 22 13 00-0021		**Single Swing Door** *(10 22 13 00-0020)*		
10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,049.29	221.39
		For 8 Gauge, Add	*109.78*	
		For 6 Gauge, Add	*219.57*	
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,126.92	249.96
		For 8 Gauge, Add	*119.05*	
		For 6 Gauge, Add	*238.09*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,206.61	264.24
		For 8 Gauge, Add	*128.14*	
		For 6 Gauge, Add	*256.29*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,198.34	285.67
		For 8 Gauge, Add	*122.62*	
		For 6 Gauge, Add	*245.23*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,280.72	299.95
		For 8 Gauge, Add	*132.12*	
		For 6 Gauge, Add	*264.24*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,338.48	314.23
		For 8 Gauge, Add	*137.93*	
		For 6 Gauge, Add	*275.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0028		**Double Swing Doors** *(10 22 13 00-0020)*		
10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,653.33	357.08
		For 8 Gauge, Add	*176.58*	
		For 6 Gauge, Add	*353.17*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,786.69	378.51
		For 8 Gauge, Add	*192.30*	
		For 6 Gauge, Add	*384.60*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,920.03	399.93
		For 8 Gauge, Add	*208.02*	
		For 6 Gauge, Add	*416.04*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,060.69	428.51
		For 8 Gauge, Add	*223.40*	
		For 6 Gauge, Add	*446.81*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,249.50	449.93
		For 8 Gauge, Add	*247.44*	
		For 6 Gauge, Add	*494.88*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,436.20	471.35
		For 8 Gauge, Add	*271.16*	
		For 6 Gauge, Add	*542.32*	
10 22 13 00-0035		**Dutch Doors** *(10 22 13)*		
		Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,394.28	221.39
		For 8 Gauge, Add	*161.53*	
		For 6 Gauge, Add	*323.06*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,478.07	249.96
		For 8 Gauge, Add	*171.72*	
		For 6 Gauge, Add	*343.44*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,523.64	264.24
		For 8 Gauge, Add	*175.70*	
		For 6 Gauge, Add	*351.40*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,612.05	299.95
		For 8 Gauge, Add	*181.82*	
		For 6 Gauge, Add	*363.64*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,548.33	285.67
		For 8 Gauge, Add	*175.12*	
		For 6 Gauge, Add	*350.23*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,641.68	299.95
		For 8 Gauge, Add	*186.26*	
		For 6 Gauge, Add	*372.52*	
10 22 19		**Demountable Partitions** *(10 22)*		
10 22 19 13		**Demountable Metal Partitions** *(10 22 19)*		
10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	141.77	22.70
		For >9, Add 17.72		
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	123.06	18.08
		For >9, Add 15.38		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	104.36	13.59
		For >9, Add 13.05		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	358.65	18.08
		For >9, Add 44.83		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	532.84	19.44
		For >9, Add 66.61		
10 22 19 43		**Demountable Composite Partitions** *(10 22 19)*		
10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	209.21	22.70
		For >9, Add 26.15		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	259.14	24.74
		For >9, Add 32.39		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	42.83	3.40
		For Acoustical Partitions, Add	*3.61*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	54.81	5.70
		For Acoustical Partitions, Add	*4.34*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	45.68	3.53
		For Acoustical Partitions, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	65.13	4.89
		For Acoustical Partitions, Add	*5.55*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	194.22	22.70
		For >9, Add 24.28		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	351.09	24.74
		For >9, Add 43.89		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	376.87	27.19
		For >9, Add 47.11		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	173.05	22.70
		For >9, Add 21.63		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	278.41	24.74
		For >9, Add 34.80		

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used.
For 100 percent glass 1/4" tempered plate is used.

10 22 23 13 Wall Screens *(10 22 23)*

10 22 23 13-0001 Privacy Screens, Free Standing *(10 22 23 13)*

10 22 23 13-0002	EA	62-1/2" Wide x 70" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MC4022)	225.19	23.98
10 22 23 13-0003	EA	62-1/2" Wide x 66" High, Single Panel, PVC Frame, Stationary, Privacy Screen With Blue Vinyl PVC Fabric (DQE MC5032)	490.44	23.98
10 22 23 13-0004	EA	62" Wide x 74" High, Four Panel, PVC Frame, Stationary, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (DQE MCK5022)	863.61	33.57
10 22 23 13-0005	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3C)	457.46	28.77
10 22 23 13-0006	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3CUS)	429.63	28.77
10 22 23 13-0007	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF)	747.09	28.77
10 22 23 13-0008	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/PB)	507.50	28.77
10 22 23 13-0009	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/WHT)	507.50	28.77
10 22 23 13-0010	EA	81" Wide x 69" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Beige Flame Retardant Anti-microbial Vinyl Fabric (R&B Wire Products PSS-3/AML/C)	507.50	28.77
10 22 23 13-0011	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With Blue, Beige, Green Or Mauve Flame Retardant Anti-microbial Fabric (R&B Wire Products PSS-3C/AM/BF-M-BGF or GG)	747.09	28.77
10 22 23 13-0012	EA	81" Wide x 67" High, Three Panel, Powder Coated Steel Frame, On Rollers, Privacy Screen With White Flame Retardant Vinyl Fabric (R&B Wire Products PSS-3US)	418.45	28.77

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	250.76	10.88
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	267.64	12.09
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	318.27	14.55
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	183.58	6.26
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	195.29	7.20
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	219.89	8.70
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	186.98	6.66
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	332.72	12.09
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	366.48	14.55
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	194.86	8.29
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	221.91	9.65
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	178.42	7.20
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	200.60	8.70
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	296.57	12.09
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	335.14	14.55
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	301.39	12.09
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	366.48	14.55
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	231.45	7.20
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	260.87	8.70
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	243.63	6.66
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	290.58	7.89
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	144.24	8.29
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	170.08	9.65
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	153.60	8.70
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	112.25	6.66
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	181.32	8.70
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	206.15	9.11
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	167.15	8.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0030		**Adjustable Barrier Panel System (Edge Guard)** *(10 22 23 23)* Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.		
10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	727.52	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	691.21	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	545.95	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	630.68	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,229.88	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	252.50	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	333.49	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	357.70	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	210.14	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,471.98	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	210.14	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,108.83	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.96	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	340.03	
10 22 23 23-0045		**Adjustable Barrier Panel System (Starc Systems, Inc.)** *(10 22 23 23)*		
10 22 23 23-0046	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc S3-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	855.71	
10 22 23 23-0047	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	965.71	
10 22 23 23-0048	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc S3-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,062.97	
10 22 23 23-0049	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 32" Wide (Starc S3-WM-32) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,127.83	
10 22 23 23-0050	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 42" Wide (Starc S3-WM-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,289.94	
10 22 23 23-0051	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, Expandable From 6'-10" To 10'-3", 18" Wide (Starc S3-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	1,387.21	
10 22 23 23-0052	EA	Containment Wall/Dust Barrier, 42" Hinged Door (Starc S3-HD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset it not included.	2,035.68	
10 22 23 23-0053	EA	Containment Wall/Dust Barrier, 42" Hinged Door With Handleset And Closer (Starc S3-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	2,749.00	
10 22 23 23-0054	EA	Containment Wall/Dust Barrier, 54" Hinged Door With Handleset And Closer (Starc S3-HD-54H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,008.38	
10 22 23 23-0055	EA	Containment Wall/Dust Barrier, 42" Sliding Door With ICU Latch (Starc S3-SD-42) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,138.07	
10 22 23 23-0056	EA	Containment Wall/Dust Barrier, 54" Sliding Door With ICU Latch (Starc S3-SD-54) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset included.	3,332.62	
10 22 23 23-0057	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc S1-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	498.81	
10 22 23 23-0058	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc S1-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	498.81	
10 22 23 23-0059	EA	Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Filler Panel Kit (Starc S1-FP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	252.40	
10 22 23 23-0060	EA	Containment Wall/Dust Barrier, Wall Mounted Differential Pressure Monitor (Starc S1-RPM-RT1) Note: Includes installation of wall mounted differential pressure monitor for containment wall.	1,497.75	
10 22 23 23-0061	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, 9/16" To 15/16" (Starc S1-FGC) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	16.66	
10 22 23 23-0062	EA	Containment Wall/Dust Barrier, Accessories, Ceiling Grid Clip, Ultraline Grid (Starc S1-FGC-U) Note: Includes attaching ceiling grid clip to containment barrier panel and ceiling grid	16.01	
10 22 23 23-0063	EA	Containment Wall/Dust Barrier, Accessories, Flexible Corner, 15 To 90 Degrees (Starc S1-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	414.52	
10 22 23 23-0064	EA	Containment Wall/Dust Barrier, Accessories, Right Hand T-Intersection (Starc S1-OT-R) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	609.05	
10 22 23 23-0065	EA	Containment Wall/Dust Barrier, Accessories, Left Hand T-Intersection (Starc S1-OT-L) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection.	609.05	
10 22 23 23-0066	EA	Containment Wall/Dust Barrier, Accessories, T-Intersection Bracket (Starc S1-IT) Note: Includes setting, leveling and plumbing of containment wall/dust barrier T intersection bracket.	252.40	
10 22 23 23-0067	EA	Containment Wall/Dust Barrier, Accessories, Quad Screw Joiner Plate (Starc S1-JP) Note: Includes installation of quad screw joiner plate for containment barrier.	15.36	
10 22 23 23-0068	EA	Containment Wall/Dust Barrier, Accessories, Floor Panel Brace (Starc S3-FPB) Note: Includes installation of containment barrier floor panel brace.	265.37	
10 22 23 23-0069	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 12" Wide (Starc LB-WM-12) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	531.49	
10 22 23 23-0070	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 18" Wide (Starc LB-WM-18) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	609.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0071	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 24" Wide (Starc LB-WM-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	673.90	
10 22 23 23-0072	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 36" Wide (Starc LB-WM-36) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	803.59	
10 22 23 23-0073	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", 48" Wide (Starc LB-WM-48) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	900.87	
10 22 23 23-0074	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Negative Air Management Panel, 24" Wide (Starc LB-AIR-24) Note: Includes setting, leveling and plumbing of containment wall/dust barrier and extending barrier to ceiling height.	998.13	
10 22 23 23-0075	EA	Lightweight Containment Wall/Dust Barrier, 42" Hinged Door (Starc LB-HD-42H) Note: Includes setting, leveling and plumbing of containment wall/dust barrier door. Handleset and closer are included	1,834.66	
10 22 23 23-0076	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Interface (Starc LB-RWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	349.66	
10 22 23 23-0077	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Interface (Starc LB-LWI) Note: Includes setting, leveling and plumbing of containment wall/dust barrier wall interface.	349.66	
10 22 23 23-0078	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Right Wall Filler Panel (Starc LB-RFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	297.78	
10 22 23 23-0079	EA	Lightweight Containment Wall/Dust Barrier, Expandable From 6'-10" To 10'-3", Left Wall Filler Panel (Starc LB-LFP) Note: Includes setting, leveling and plumbing of containment wall/dust barrier filler panel attachment rail. Actual filler material is not included.	297.78	
10 22 23 23-0080	EA	Lightweight Containment Wall/Dust Barrier, Accessories, Flexible Corner (Starc LB-FC) Note: Includes setting, leveling and plumbing of containment wall/dust barrier flexible corner.	382.09	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	100.84	6.73
		For <135, Add	*20.17*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	102.43	6.96
		For <135, Add	*20.49*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	107.25	7.17
		For <135, Add	*21.45*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	113.74	7.41
		For <135, Add	*22.75*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	115.75	7.63
		For <135, Add	*23.15*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	117.18	7.86
		For <135, Add	*23.44*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	118.59	8.08
		For <135, Add	*23.72*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	120.40	8.52
		For <135, Add	*24.08*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	127.49	8.52
		For <135, Add	*25.50*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	134.59	8.52
		For <135, Add	*26.92*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	270.05	26.60
		For 43 STC, Deduct	*-12.29*	
		For 49 STC, Add	*15.59*	
		For 52 STC, Add	*23.63*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	249.74	21.44
		For 43 STC, Deduct	*-12.02*	
		For 49 STC, Add	*15.26*	
		For 52 STC, Add	*23.12*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	234.87	17.78
		For 43 STC, Deduct	*-11.77*	
		For 49 STC, Add	*14.94*	
		For 52 STC, Add	*22.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	228.82	18.70
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-11.19*	
		For 49 STC, Add	*14.20*	
		For 52 STC, Add	*21.51*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	213.47	15.20
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.87*	
		For 49 STC, Add	*13.80*	
		For 52 STC, Add	*20.91*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	204.55	13.68
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.61*	
		For 49 STC, Add	*13.46*	
		For 52 STC, Add	*20.40*	
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	202.57	14.75
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-10.27*	
		For 49 STC, Add	*13.04*	
		For 52 STC, Add	*19.75*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	191.05	12.62
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.95*	
		For 49 STC, Add	*12.63*	
		For 52 STC, Add	*19.13*	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	183.19	11.25
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.69*	
		For 49 STC, Add	*12.30*	
		For 52 STC, Add	*18.64*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	211.00	17.78
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-10.20*	
		For 49 STC, Add	*12.94*	
		For 52 STC, Add	*19.61*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	193.72	13.53
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.92*	
		For 49 STC, Add	*12.60*	
		For 52 STC, Add	*19.09*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	183.82	11.40
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.70*	
		For 49 STC, Add	*12.31*	
		For 52 STC, Add	*18.65*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	9.36	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.32*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.90	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.35*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.90	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.50*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	16.65	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.69*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.98	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.66*	
10 26 13 00-0011		Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*		
		Note: Includes closure caps.		
10 26 13 00-0012		Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0013		90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	16.81	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.12*	
		For Recycled Vinyl Retainer, Deduct	*-1.22*	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	18.48	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.20*	
		For Recycled Vinyl Retainer, Deduct	*-1.56*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	20.14	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.29*	
		For Recycled Vinyl Retainer, Deduct	*-1.89*	
10 26 13 00-0017		135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	23.26	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.44*	
		For Recycled Vinyl Retainer, Deduct	*-2.51*	
10 26 13 00-0019		End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	32.83	8.56
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 200, Deduct	*-5.00*	
		For >200, Deduct	*-7.35*	
		For Recycled Vinyl Retainer, Deduct	*-3.71*	
10 26 13 00-0021		Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*		
10 26 13 00-0022		90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	21.61	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.36*	
		For Up To 2 HR Fire Rated, Add	*7.64*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	25.56	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.56*	
		For Up To 2 HR Fire Rated, Add	*10.40*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	23.86	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.47*	
		For Up To 2 HR Fire Rated, Add	*9.21*	
10 26 13 00-0026		135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	27.25	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.64*	
		For Up To 2 HR Fire Rated, Add	*11.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0028		End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	55.30	8.56
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 200, Deduct	*-5.00*	
		For >200, Deduct	*-8.48*	
		For Up To 2 HR Fire Rated, Add	*28.71*	
10 26 13 00-0030		Flexible Vinyl Corner Guards *(10 26 13 00-0001)*		
		Note: Includes adhesive for installation.		
10 26 13 00-0031		Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*		
10 26 13 00-0032		90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	12.29	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.47*	
		For Bolting To Concrete Or Masonry, Add	*2.91*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	15.26	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.62*	
		For Bolting To Concrete Or Masonry, Add	*3.36*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	17.67	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.74*	
		For Bolting To Concrete Or Masonry, Add	*3.72*	
10 26 13 00-0036		Polycarbonate Corner Guards *(10 26 13)*		
10 26 13 00-0037		Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0036)*		
10 26 13 00-0038		90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	8.69	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.29*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	10.15	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.36*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.85	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.45*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.87	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.50*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	12.50	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.48*	
10 26 13 00-0044		135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.87	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.50*	
10 26 13 00-0046		Aluminum Corner Guards *(10 26 13)*		
10 26 13 00-0047		Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0046)*		
10 26 13 00-0048		90 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	11.65	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	13.62	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	14.83	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.60*	
10 26 13 00-0052		135 Degree Angle, Surface Mounted, Aluminum Corner Guards *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	11.65	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.44*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	13.62	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.54*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	14.83	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.60*	
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	14.93	5.14
		For Galvanizing, Add	*2.23*	
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 200, Deduct	*-3.00*	
		For >200, Deduct	*-4.17*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.58	5.57
		For Galvanizing, Add	*3.26*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-4.64*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	19.70	5.78
		For Galvanizing, Add	*3.52*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 200, Deduct	*-3.37*	
		For >200, Deduct	*-4.84*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	20.18	6.00
		For Galvanizing, Add	*3.57*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.01*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	24.59	6.21
		For Galvanizing, Add	*4.98*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 200, Deduct	*-3.62*	
		For >200, Deduct	*-5.37*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	29.02	6.42
		For Galvanizing, Add	*6.41*	
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-5.73*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	48.47	8.56
		For Galvanizing, Add	*11.97*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 200, Deduct	*-5.00*	
		For >200, Deduct	*-8.14*	
10 26 13 00-0067		Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068		Stainless Steel Corner Guards *(10 26 13 00-0067)* Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	12.77	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.49*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	14.50	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.58*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	19.01	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	19.01	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	19.01	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	19.01	4.28
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 200, Deduct	*-2.50*	
		For >200, Deduct	*-3.81*	
10 26 13 00-0078		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards (InPro Corporation) *(10 26 13 00-0069)*		
10 26 13 00-0079	EA	1-1/2" Wing, 4' Height, 90 Degree Angle, Cement-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 181124C-304)	87.46	17.14
10 26 13 00-0080	EA	1-1/2" Wing, 4' Height, 90 Degree Angle, Screw-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 181124H-430)	100.04	17.14
10 26 13 00-0081	EA	1-1/2" Wing, 4' Height, 90 Degree Angle, Cement-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 181124C-304)	111.77	17.14
10 26 13 00-0082	EA	1-1/2" Wing, 4' Height, 90 Degree Angle, Screw-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 181124C-304)	124.40	17.14
10 26 13 00-0083	EA	1-1/2" Wing, 8' Height, 90 Degree Angle, Cement-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 181128C-304)	155.90	34.27
10 26 13 00-0084	EA	1-1/2" Wing, 8' Height, 90 Degree Angle, Screw-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 181128H-430)	158.66	34.27
10 26 13 00-0085	EA	1-1/2" Wing, 8' Height, 90 Degree Angle, Cement-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 181128C-304)	219.47	34.27
10 26 13 00-0086	EA	1-1/2" Wing, 8' Height, 90 Degree Angle, Screw-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 181128C-304)	232.05	34.27
10 26 13 00-0087	EA	3-1/2" Wing, 4' Height, 90 Degree Angle, Cement-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 183124C-304)	125.29	18.56
10 26 13 00-0088	EA	3-1/2" Wing, 4' Height, 90 Degree Angle, Screw-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 183124H-430)	137.85	18.56
10 26 13 00-0089	EA	3-1/2" Wing, 4' Height, 90 Degree Angle, Cement-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 183124C-304)	173.89	18.56
10 26 13 00-0090	EA	3-1/2" Wing, 4' Height, 90 Degree Angle, Screw-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 183124C-304)	186.54	18.56
10 26 13 00-0091	EA	3-1/2" Wing, 8' Height, 90 Degree Angle, Cement-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 183128C-304)	249.93	37.13
10 26 13 00-0092	EA	3-1/2" Wing, 8' Height, 90 Degree Angle, Screw-On Surface Mounted, 430 Stainless Steel Corner Guard (IPC 183128H-430)	262.49	37.13
10 26 13 00-0093	EA	3-1/2" Wing, 8' Height, 90 Degree Angle, Cement-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 183128C-304)	363.87	37.13
10 26 13 00-0094	EA	3-1/2" Wing, 8' Height, 90 Degree Angle, Screw-On Surface Mounted, 304 Stainless Steel Corner Guard (IPC 183128C-304)	376.30	37.13
10 26 13 00-0095		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		
10 26 13 00-0096		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0095)*		
10 26 13 00-0097		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	23.28	5.14
		For >50 To 100, Deduct	*-2.14*	
		For >100 To 200, Deduct	*-3.00*	
		For >200, Deduct	*-4.59*	
10 26 13 00-0099	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	37.18	5.57
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-5.57*	
10 26 13 00-0100	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	50.96	5.78
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 200, Deduct	*-3.37*	
		For >200, Deduct	*-6.40*	
10 26 13 00-0101	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	47.88	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-6.39*	
10 26 13 00-0102	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	67.24	6.21
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 200, Deduct	*-3.62*	
		For >200, Deduct	*-7.50*	
10 26 13 00-0103	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	62.45	6.42
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 200, Deduct	*-3.75*	
		For >200, Deduct	*-7.40*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0104			Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0105			Natural Rubber Corner Guards *(10 26 13 00-0104)*		
10 26 13 00-0106			Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0105)*		
10 26 13 00-0107			90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0106)*		
10 26 13 00-0108		LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	51.70	4.28
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-5.44*	
			For Bolting To Concrete Or Masonry, Add	*8.83*	
10 26 13 00-0109			Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0104)*		
10 26 13 00-0110			Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0109)*		
10 26 13 00-0111			90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0110)*		
10 26 13 00-0112		LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	24.26	4.28
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-4.07*	
			For Bolting To Concrete Or Masonry, Add	*4.71*	
10 26 13 00-0113			Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0104)*		
10 26 13 00-0114			Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0113)*		
10 26 13 00-0115			90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0114)*		
10 26 13 00-0116		LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	21.51	4.28
			For >50 To 100, Deduct	*-1.79*	
			For >100 To 200, Deduct	*-2.50*	
			For >200, Deduct	*-3.93*	
			For Bolting To Concrete Or Masonry, Add	*4.30*	
10 26 16			**Bumper Guards** *(10 26)*		
10 26 16 13			**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001			Crash Rails *(10 26 16 13)* Note: Includes end caps.		
10 26 16 13-0002			Polycarbonate Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0003		LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	15.06	5.71
			For >50 To 100, Deduct	*-2.86*	
			For >100 To 200, Deduct	*-4.00*	
			For >200, Deduct	*-5.33*	
10 26 16 13-0004		LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	16.35	5.71
			For >50 To 100, Deduct	*-2.86*	
			For >100 To 200, Deduct	*-4.00*	
			For >200, Deduct	*-5.39*	
10 26 16 13-0005			Aluminum Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0006		LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	38.78	5.71
			For >50 To 100, Deduct	*-2.86*	
			For >100 To 200, Deduct	*-4.00*	
			For >200, Deduct	*-6.51*	
10 26 16 13-0007			Stainless Steel Crash Rails *(10 26 16 13-0001)*		
10 26 16 13-0008		LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	66.13	5.71
			For >50 To 100, Deduct	*-2.86*	
			For >100 To 200, Deduct	*-4.00*	
			For >200, Deduct	*-7.88*	
10 26 16 13-0009		LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	52.45	5.71
			For >50 To 100, Deduct	*-2.86*	
			For >100 To 200, Deduct	*-4.00*	
			For >200, Deduct	*-7.19*	
10 26 16 13-0010			Wall Guards *(10 26 16 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0011		**Rigid Vinyl Wall Guards With Aluminum Retainers** *(10 26 16 13-0010)* Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	15.13	5.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.75*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	18.25	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-5.48*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	19.52	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-5.55*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	20.21	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-5.58*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	23.77	6.07
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.25*	
		For >200, Deduct	*-6.04*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	23.88	6.07
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.25*	
		For >200, Deduct	*-6.05*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	24.49	6.07
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.25*	
		For >200, Deduct	*-6.08*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	29.04	6.42
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 200, Deduct	*-4.50*	
		For >200, Deduct	*-6.59*	
10 26 16 13-0020		**Rubber Wall Guards** *(10 26 16 13-0010)*		
10 26 16 13-0021		**D-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	19.49	5.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.97*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	27.84	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-5.96*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	39.67	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-6.56*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	54.57	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-7.30*	
10 26 16 13-0026		**Rectangular, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	42.43	6.07
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.25*	
		For >200, Deduct	*-6.98*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	52.92	6.42
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 200, Deduct	*-4.50*	
		For >200, Deduct	*-7.79*	
10 26 16 13-0029		**Wing Type, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	67.49	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-7.95*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	71.60	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-8.15*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	33.89	5.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.69*	
10 26 16 13-0033		**U-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	57.61	6.07
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.25*	
		For >200, Deduct	*-7.74*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	64.10	6.07
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 200, Deduct	*-4.25*	
		For >200, Deduct	*-8.06*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*
Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	17.35	5.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.86*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	17.38	5.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.87*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	23.68	5.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.18*	

10 26 16 13-0041 Aluminum Exterior Crash Rail *(10 26 16 13)*

10 26 16 13-0042	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Acrovyn ECR-32ASB)	50.45	5.71
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-4.00*	
		For >200, Deduct	*-7.09*	
10 26 16 13-0043	EA	End Cap For 4" High, 3-1/4" Deep, Aluminum Crash Rail (Acrovyn)	34.38	5.71
		For >25 To 50, Deduct	*-2.86*	
		For >50 To 100, Deduct	*-4.00*	
		For >100, Deduct	*-6.29*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	37.49	10.70
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 200, Deduct	*-7.50*	
		For >200, Deduct	*-10.44*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	32.90	10.70
		For >25 To 50, Deduct	*-5.36*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-10.21*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	51.26	10.70
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 200, Deduct	*-7.50*	
		For >200, Deduct	*-11.13*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	42.08	10.70
		For >25 To 50, Deduct	*-5.36*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-10.67*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	53.55	10.70
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 200, Deduct	*-7.50*	
		For >200, Deduct	*-11.25*	
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	58.14	10.70
		For >25 To 50, Deduct	*-5.36*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-11.48*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	69.62	10.70
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 200, Deduct	*-7.50*	
		For >200, Deduct	*-12.05*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	76.50	10.70
		For >25 To 50, Deduct	*-5.36*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-12.39*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	92.57	10.70
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 200, Deduct	*-7.50*	
		For >200, Deduct	*-13.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	94.86	10.70
		For >25 To 50, Deduct	*-5.36*	
		For >50 To 100, Deduct	*-7.50*	
		For >100, Deduct	*-13.31*	
10 26 16 16-0014		Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*		
		Note: Includes end caps.		
10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	32.05	7.07
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 200, Deduct	*-4.95*	
		For >200, Deduct	*-7.26*	
		For Maple, Add	*0.54*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	38.09	7.55
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 200, Deduct	*-5.28*	
		For >200, Deduct	*-7.94*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	28.22	7.07
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 200, Deduct	*-4.95*	
		For >200, Deduct	*-7.07*	
		For Maple, Add	*6.05*	
		For Oak, Add	*6.75*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

10 26 23 13-0001		Impact Resistant Wall Protection *(10 26 23 13)*		
		Note: Includes standard trim.		
10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	9.86	3.57
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	10.19	3.57
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	12.11	3.57
10 26 23 13-0005	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Acrovyn)	12.02	3.57
		Note: Includes adhesive and primer.		
10 26 23 13-0006	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Acrovyn)	14.60	3.57
		Note: Includes adhesive and primer.		
10 26 23 13-0007		Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*		
		Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
10 26 23 13-0008		"L" Design *(10 26 23 13-0007)*		
10 26 23 13-0009		L-Shield *(10 26 23 13-0008)*		
10 26 23 13-0010	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	18.74	3.57
10 26 23 13-0011	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Diameter Pipe	21.87	5.00
10 26 23 13-0012	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Diameter Pipe	28.71	6.42
10 26 23 13-0013	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Diameter Pipe	39.19	7.85
10 26 23 13-0014		"Combo" Hanger *(10 26 23 13-0008)*		
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 3/4" Diameter Pipe	21.36	7.14
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1" Diameter Pipe	24.78	8.57
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Diameter Pipe	28.63	9.99
10 26 23 13-0018	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Diameter Pipe	31.90	11.43
10 26 23 13-0019	EA	Combination "Combo" Hanger, L-Support, For 2" Diameter Pipe	35.75	12.86
10 26 23 13-0020		Snap-2 Pipe Hanger *(10 26 23 13-0008)*		
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Diameter Pipe	17.97	7.14
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1" Diameter Pipe	21.81	8.57
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Diameter Pipe	25.38	9.99
10 26 23 13-0024	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Diameter Pipe	29.50	11.43
10 26 23 13-0025	EA	Snap-2 Pipe Hanger, L-Support, For 2" Diameter Pipe	33.77	12.86
10 26 23 13-0026		Coupling *(10 26 23 13-0008)*		
10 26 23 13-0027	EA	Coupling, L-Shield, 1" Shield Size	11.53	3.57
10 26 23 13-0028	EA	Coupling, L-Shield, 1-1/4" Shield Size	16.64	5.00
10 26 23 13-0029	EA	Coupling, L-Shield, 2" Shield Size	23.75	6.42
10 26 23 13-0030	EA	Coupling, L-Shield, 2-1/2" Shield Size	29.72	7.85
10 26 23 13-0031		Coupling, Reducer *(10 26 23 13-0008)*		
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	31.21	4.28
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	38.29	5.00
10 26 23 13-0034	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	45.38	5.71
10 26 23 13-0035	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	173.87	7.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0036		**Shield Clips** *(10 26 23 13-0008)*		
10 26 23 13-0037	EA	Shield Clips, L-Support, 1" Shield Size	6.97	2.14
10 26 23 13-0038	EA	Shield Clips, L-Support, 1-1/4" Shield Size	10.54	3.57
10 26 23 13-0039	EA	Shield Clips, L-Support, 2" Shield Size	13.95	5.00
10 26 23 13-0040	EA	Shield Clips, L-Support, 2-1/2" Shield Size	15.97	6.42
10 26 23 13-0041		**Wall Flange** *(10 26 23 13-0008)*		
10 26 23 13-0042	EA	Wall Flange, L-Shield, 1" Shield Size	11.24	3.57
10 26 23 13-0043	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	16.07	5.00
10 26 23 13-0044	EA	Wall Flange, L-Shield, 2" Shield Size	23.19	6.42
10 26 23 13-0045	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	91.63	7.85
10 26 23 13-0046		**End Cap** *(10 26 23 13-0008)*		
10 26 23 13-0047	EA	End Cap, L-Shield, 1" Shield Size	11.21	2.14
10 26 23 13-0048	EA	End Cap, L-Shield, 1-1/4" Shield Size	15.06	3.57
10 26 23 13-0049	EA	End Cap, L-Shield, 2" Shield Size	20.88	5.00
10 26 23 13-0050	EA	End Cap, L-Shield, 2-1/2" Shield Size	92.93	6.42
10 26 23 13-0051		**Inside/Outside Corner** *(10 26 23 13-0008)*		
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	68.47	7.14
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	74.01	8.57
10 26 23 13-0054	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	89.48	10.71
10 26 23 13-0055	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	155.16	12.86
10 26 23 13-0056		**Joiner** *(10 26 23 13-0008)*		
10 26 23 13-0057	LF	Joiner, L-Shield	14.32	2.14
10 26 23 13-0058		**"U" Design** *(10 26 23 13-0007)*		
10 26 23 13-0059		**U-Shield** *(10 26 23 13-0058)*		
10 26 23 13-0060	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	22.42	3.57
10 26 23 13-0061	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Diameter Pipe	28.10	5.00
10 26 23 13-0062	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Diameter Pipe	35.92	5.00
10 26 23 13-0063		**"Combo" Hanger** *(10 26 23 13-0058)*		
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 3/4" Diameter Pipe	18.68	7.14
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1" Diameter Pipe	22.23	8.57
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Diameter Pipe	25.66	9.99
10 26 23 13-0067	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Diameter Pipe	31.48	11.43
10 26 23 13-0068	EA	Combination "Combo" Hanger, U-Support For 2" Diameter Pipe	35.61	12.86
10 26 23 13-0069		**Snap-2 Pipe Hanger** *(10 26 23 13-0058)*		
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Diameter Pipe	17.69	7.14
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1" Diameter Pipe	21.53	8.57
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Diameter Pipe	26.08	9.99
10 26 23 13-0073	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Diameter Pipe	29.22	11.43
10 26 23 13-0074	EA	Snap-2 Pipe Hanger, U-Support, For 2" Diameter Pipe	33.63	12.86
10 26 23 13-0075		**Coupling** *(10 26 23 13-0058)*		
10 26 23 13-0076	EA	Coupling, U-Shield, 1" Shield Size	13.51	3.57
10 26 23 13-0077	EA	Coupling, U-Shield, 1-1/4" Shield Size	17.06	5.00
10 26 23 13-0078	EA	Coupling, U-Shield, 2" Shield Size	20.92	6.42
10 26 23 13-0079		**Coupling, Reducer** *(10 26 23 13-0058)*		
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	36.87	4.28
10 26 23 13-0081	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	43.94	5.00
10 26 23 13-0082	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	46.80	5.71
10 26 23 13-0083		**Shield Clips** *(10 26 23 13-0058)*		
10 26 23 13-0084	EA	Shield Clips, U-Support, 1" Shield Size	6.40	2.14
10 26 23 13-0085	EA	Shield Clips, U-Support, 1-1/4" Shield Size	9.55	3.57
10 26 23 13-0086	EA	Shield Clips, U-Support, 2" Shield Size	12.68	5.00
10 26 23 13-0087		**Wall Flange** *(10 26 23 13-0058)*		
10 26 23 13-0088	EA	Wall Flange, U-Shield, 1" Shield Size	13.08	3.57
10 26 23 13-0089	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	16.92	5.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0090	EA	Wall Flange, U-Shield, 2" Shield Size	20.78	6.42
10 26 23 13-0091		**End Cap** *(10 26 23 13-0058)*		
10 26 23 13-0092	EA	End Cap, U-Shield, 1" Shield Size	11.92	2.14
10 26 23 13-0093	EA	End Cap, U-Shield, 1-1/4" Shield Size	16.19	3.57
10 26 23 13-0094	EA	End Cap, U-Shield, 2" Shield Size	20.32	5.00
10 26 23 13-0095		**Inside/Outside Corner** *(10 26 23 13-0058)*		
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	85.59	7.14
10 26 23 13-0097	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	95.38	8.57
10 26 23 13-0098	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	112.96	10.71
10 26 23 13-0099		**Elbow** *(10 26 23 13-0058)*		
10 26 23 13-0100	EA	Elbow, U-Shield, 1" Shield Size	84.04	7.14
10 26 23 13-0101	EA	Elbow, U-Shield, 1-1/4" Shield Size	92.55	8.57
10 26 23 13-0102	EA	Elbow, U-Shield, 2" Shield Size	110.28	10.71
10 26 23 13-0103		**Tee** *(10 26 23 13-0058)*		
10 26 23 13-0104	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	106.74	10.71
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	118.94	12.86
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	139.08	15.71
10 26 23 13-0107	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	140.29	12.15
10 26 23 13-0108	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	151.80	15.00
10 26 23 13-0109		**Cross** *(10 26 23 13-0058)*		
10 26 23 13-0110	EA	Cross, U-Shield, 1" Shield Size	191.96	14.29
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" Shield Size	215.37	17.14
10 26 23 13-0112	EA	Cross, U-Shield, 2" Shield Size	261.85	21.43
10 26 23 13-0113	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	262.31	15.71
10 26 23 13-0114	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	288.98	19.28
10 26 23 13-0115		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0007)*		
10 26 23 13-0116		**Coupling Transition** *(10 26 23 13-0115)*		
10 26 23 13-0117	EA	Transition Coupling, 1" x 1", LxU or UxL	32.89	3.57
10 26 23 13-0118	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	37.44	5.00
10 26 23 13-0119	EA	Transition Coupling, 2" x 2", LxU or UxL	46.67	6.42
10 26 23 13-0120	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	37.29	4.28
10 26 23 13-0121	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	46.52	5.71
10 26 23 13-0122	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	181.94	7.14
10 26 23 13-0123		**Elbow Transition** *(10 26 23 13-0115)*		
10 26 23 13-0124	EA	Transition Elbow, 1" x 1" (UxL)	112.47	7.14
10 26 23 13-0125	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	122.11	8.57
10 26 23 13-0126	EA	Transition Elbow, 2" x 2" (UxL)	143.38	10.71
10 26 23 13-0127	EA	Transition Elbow, 1" x 1-1/4" (UxL)	174.16	7.85
10 26 23 13-0128	EA	Transition Elbow, 1-1/4" x 1" (UxL)	123.80	7.85
10 26 23 13-0129	EA	Transition Elbow, 1-1/4" x 2" (UxL)	184.39	9.99
10 26 23 13-0130	EA	Transition Elbow, 2" x 1-1/4" (UxL)	143.51	9.99
10 26 23 13-0131	EA	Transition Elbow, 2" x 2-1/2" (UxL)	221.48	11.43
10 26 23 13-0132		**Tee Transition** *(10 26 23 13-0115)*		
10 26 23 13-0133	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	129.52	10.71
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	149.93	12.86
10 26 23 13-0135	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	174.59	15.71
10 26 23 13-0136	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	137.04	12.15
10 26 23 13-0137	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	213.89	13.57
10 26 23 13-0138	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	153.07	15.00
10 26 23 13-0139	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	208.31	17.86
10 26 23 13-0140		**Fittings (L Or U)** *(10 26 23 13-0007)*		
10 26 23 13-0141		**Hugger Hangers For Steel Pipe** *(10 26 23 13-0140)*		
10 26 23 13-0142	EA	1/2" Diameter Steel Pipe, Hugger Hanger	14.40	5.71
10 26 23 13-0143	EA	3/4" Diameter Steel Pipe, Hugger Hanger	17.97	7.14
10 26 23 13-0144	EA	1" Diameter Steel Pipe, Hugger Hanger	21.10	8.57
10 26 23 13-0145	EA	1-1/4" Diameter Steel Pipe, Hugger Hanger	24.39	9.99
10 26 23 13-0146	EA	1-1/2" Diameter Steel Pipe, Hugger Hanger	27.52	11.43
10 26 23 13-0147	EA	2" Diameter Steel Pipe, Hugger Hanger	30.94	11.43
10 26 23 13-0148	EA	2-1/2" Diameter Steel Pipe, Hugger Hanger	34.08	14.29
10 26 23 13-0149	EA	3" Diameter Steel Pipe, Hugger Hanger	42.17	15.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0150		Hugger Hangers For Copper Pipe *(10 26 23 13-0140)*		
10 26 23 13-0151	EA	1/2" Diameter Copper Pipe, Hugger Hanger	14.54	5.71
10 26 23 13-0152	EA	3/4" Diameter Copper Pipe, Hugger Hanger	18.11	7.14
10 26 23 13-0153	EA	1" Diameter Copper Pipe, Hugger Hanger	21.24	8.57
10 26 23 13-0154	EA	1-1/4" Diameter Copper Pipe, Hugger Hanger	24.53	9.99
10 26 23 13-0155	EA	1-1/2" Diameter Copper Pipe, Hugger Hanger	27.66	11.43
10 26 23 13-0156	EA	2" Diameter Copper Pipe, Hugger Hanger	31.23	12.86
10 26 23 13-0157	EA	2-1/2" Diameter Copper Pipe, Hugger Hanger	34.36	14.29
10 26 23 13-0158	EA	3" Diameter Copper Pipe, Hugger Hanger	42.60	15.71
10 26 23 13-0159		Shield Extension (L Or U) *(10 26 23 13-0140)*		
10 26 23 13-0160	LF	Shield Extension	17.30	2.14
10 26 23 13-0161		Interior Steel Soffit System *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0162	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	33.42	6.42
		For 22 Gauge Steel, Add	*2.06*	
		For 20 Gauge Steel, Add	*4.40*	
		For 18 Gauge Steel, Add	*8.64*	
		For 16 Gauge Steel, Add	*13.26*	
		For Stainless Steel, Add	*5.14*	
10 26 23 13-0163	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	54.44	17.86
		For Stainless Steel, Add	*4.68*	
10 26 23 13-0164	EA	U-Shield Corner (JG Innovations Soffi-Steel)	131.70	21.43
		For Stainless Steel, Add	*21.86*	
10 26 23 13-0165	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	41.41	10.71
		For Stainless Steel, Add	*5.00*	
10 26 23 13-0166	EA	U-Shield Clip (JG Innovations Soffi-Steel)	9.37	4.28
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0167	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	37.79	6.42
		For 22 Gauge Steel, Add	*1.87*	
		For 20 Gauge Steel, Add	*3.99*	
		For 18 Gauge Steel, Add	*7.73*	
		For 16 Gauge Steel, Add	*12.96*	
		For Stainless Steel, Add	*6.23*	
10 26 23 13-0168	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	54.44	17.86
		For Stainless Steel, Add	*4.68*	
10 26 23 13-0169	EA	L-Shield Corner (JG Innovations Soffi-Steel)	131.70	21.43
		For Stainless Steel, Add	*21.86*	
10 26 23 13-0170	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	35.69	7.85
		For Stainless Steel, Add	*5.00*	
10 26 23 13-0171	EA	L-Shield Clip (JG Innovations Soffi-Steel)	9.37	4.28
		For Stainless Steel, Add	*0.20*	

10 26 41 Bullet Resistant Panels *(10 26)*

10 26 41 00-0001		Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*		
		Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	24.35	2.02
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	33.03	2.16
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	37.28	2.30
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	39.68	2.44
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	42.95	2.58
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	46.20	2.73
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	77.62	3.30
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	111.41	5.18
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	132.24	6.18
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	159.94	6.76
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	181.68	7.18

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001		Toilet Accessories *(10 28 13 13)*		
10 28 13 13-0002		Dispensers *(10 28 13 13-0001)*		
10 28 13 13-0003		Paper Towel Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0004		Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	135.49	32.12
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	144.47	32.12
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	145.81	32.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	148.39	32.12
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	219.38	32.12
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	237.32	32.12
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	258.14	32.12
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	264.46	14.28
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	445.38	32.12
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	523.97	32.12
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	564.89	32.12
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	325.03	32.12
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	168.97	17.85
10 28 13 13-0018	EA	Stainless Steel Mounting Collar For Wall Mounting enMotion Or SofPull Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59459)	319.42	17.85
10 28 13 13-0019		**Plastic Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	104.86	32.12
10 28 13 13-0021	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	208.05	32.12
10 28 13 13-0022	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	206.67	32.12
10 28 13 13-0023	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	176.99	32.12
10 28 13 13-0024		**Aluminum Paper Towel Dispensers** *(10 28 13 13-0003)*		
10 28 13 13-0025	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	113.85	32.12
10 28 13 13-0026		**Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0027		**Plastic Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0028	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	104.53	32.12
10 28 13 13-0029	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	115.69	32.12
10 28 13 13-0030	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	91.48	32.12
10 28 13 13-0031	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	106.81	32.12
10 28 13 13-0032		**Cast Aluminum Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0033	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	95.22	32.12
10 28 13 13-0034	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	95.87	32.12
10 28 13 13-0035	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	100.54	32.12
10 28 13 13-0036	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	109.19	32.12
10 28 13 13-0037	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	141.15	32.12
10 28 13 13-0038		**Stainless Steel Toilet Tissue Dispensers** *(10 28 13 13-0026)*		
10 28 13 13-0039	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	82.23	32.12
10 28 13 13-0040	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	225.87	32.12
10 28 13 13-0041	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	133.98	32.12
10 28 13 13-0042	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	125.51	32.12
10 28 13 13-0043	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	138.47	32.12
10 28 13 13-0044	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	180.38	35.70
10 28 13 13-0045	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	138.47	32.12
10 28 13 13-0046	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	180.38	32.12
10 28 13 13-0047	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	193.84	32.12
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	299.50	32.12
10 28 13 13-0049	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	299.50	32.12
10 28 13 13-0050	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	125.72	32.12
10 28 13 13-0051	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	146.14	32.12
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	94.54	32.12
10 28 13 13-0053	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	156.46	32.12
10 28 13 13-0054	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	219.02	32.12
10 28 13 13-0055	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	227.37	32.12
10 28 13 13-0056	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	287.60	32.12
10 28 13 13-0057	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	264.90	32.12
10 28 13 13-0058	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	409.21	32.12
10 28 13 13-0059	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	179.10	32.12
10 28 13 13-0060	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	166.08	32.12
10 28 13 13-0061	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	135.20	32.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0062		**Soap or Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0063	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	123.84	32.12
		For 34 Fluid Ounce (B-822), Add	*5.46*	
10 28 13 13-0064	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	133.83	32.12
		For 34 Fluid Ounce (B-822), Add	*5.46*	
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	85.89	32.12
10 28 13 13-0066	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	92.88	32.12
10 28 13 13-0067	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	112.28	32.12
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	115.16	32.12
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	125.84	32.12
10 28 13 13-0070	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	157.46	32.12
10 28 13 13-0071	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	265.29	32.12
10 28 13 13-0072	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	418.75	32.12
10 28 13 13-0073	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	262.40	32.12
10 28 13 13-0074	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-8263.18) Note: Includes start-up kit.	417.85	32.12
10 28 13 13-0075	EA	1200 ml, Surface Mounted, Stainless Steel Soap Dispenser (Georgia-Pacific enMotion® 52054)	342.73	32.12
10 28 13 13-0076	EA	Sensor Deck-Mount Foam Soap Dispenser (Sloan SJS-1750)	556.96	32.12
10 28 13 13-0077		**Sanitizer Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0078		**Manual Sanitizer Dispensers** *(10 28 13 13-0077)*		
10 28 13 13-0079	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	99.61	32.12
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	101.03	32.12
10 28 13 13-0081	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	100.58	32.12
10 28 13 13-0082		**Automatic Sanitizer Dispensers** *(10 28 13 13-0077)*		
10 28 13 13-0083	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	93.54	32.12
10 28 13 13-0084	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	120.15	32.12
10 28 13 13-0085	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	113.51	32.12
10 28 13 13-0086	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	121.65	32.12
10 28 13 13-0087	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	139.27	32.12
10 28 13 13-0088	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	140.12	32.12
10 28 13 13-0089		**Automatic Floor Stand Sanitizer Dispensers** *(10 28 13 13-0077)*		
10 28 13 13-0090	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	676.71	10.70
10 28 13 13-0091	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	727.69	10.70
10 28 13 13-0092	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	756.18	10.70
10 28 13 13-0093		**Facial Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	141.82	32.12
10 28 13 13-0095	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	103.09	32.12
10 28 13 13-0096		**Sanitary Toilet Seat Cover Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0097	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	84.55	32.12
10 28 13 13-0098	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	110.86	32.12
10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	193.75	32.12
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	204.38	32.12
10 28 13 13-0101	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	397.11	32.12
10 28 13 13-0102		**Sanitary Toilet Seat Cover/Toilet Tissue Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	628.66	32.12
10 28 13 13-0104	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	385.71	32.12
10 28 13 13-0105		**Sanitary Napkin/Tampon Dispensers** *(10 28 13 13-0002)*		
10 28 13 13-0106	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	774.98	32.12
10 28 13 13-0107	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	590.55	32.12
10 28 13 13-0108	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	785.13	32.12
10 28 13 13-0109	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	596.52	32.12
10 28 13 13-0110	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	525.19	32.12
10 28 13 13-0111	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	609.11	32.12
10 28 13 13-0112		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0113	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	554.37	71.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0114	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	617.82	71.39
10 28 13 13-0115	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	514.03	71.39
10 28 13 13-0116	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	719.70	71.39
10 28 13 13-0117	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	739.33	71.39
10 28 13 13-0118	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	848.85	71.39
10 28 13 13-0119	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	796.47	71.39

10 28 13 13-0120 Receptacles *(10 28 13 13-0001)*

10 28 13 13-0121 Wall Mounted Waste Receptacles *(10 28 13 13-0120)*

10 28 13 13-0122	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	125.79	32.12
10 28 13 13-0123	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	205.73	32.12
10 28 13 13-0124	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	475.02	71.39
10 28 13 13-0125	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	700.06	71.39
10 28 13 13-0126	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	556.58	71.39
10 28 13 13-0127	EA	12 Gallon, Recessed Mounted, Stainless Steel Waste Receptacle (Georgia-Pacific 59491)	1,203.37	71.39

10 28 13 13-0128 Floor-Standing/Counter Waste Receptacles *(10 28 13 13-0120)*

10 28 13 13-0129	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	147.64	32.12
10 28 13 13-0130	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	209.39	32.12
10 28 13 13-0131	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	392.30	14.28
10 28 13 13-0132	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	592.72	14.28
10 28 13 13-0133	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	555.37	14.28
10 28 13 13-0134	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	534.13	14.28

10 28 13 13-0135 Combination Paper Towel Dispenser/ Waste Receptacle *(10 28 13 13-0120)*

10 28 13 13-0136	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	395.13	71.39
10 28 13 13-0137	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	629.14	71.39
10 28 13 13-0138	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	619.83	71.39
10 28 13 13-0139	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	896.30	71.39
10 28 13 13-0140	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,230.09	71.39
10 28 13 13-0141	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	1,041.27	71.39
10 28 13 13-0142	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	804.95	71.39
10 28 13 13-0143	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,297.60	71.39
10 28 13 13-0144	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,201.69	78.54
10 28 13 13-0145	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	811.53	78.54

10 28 13 13-0146 Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0120)*

10 28 13 13-0147	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	116.99	35.70
10 28 13 13-0148	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	226.80	35.70
10 28 13 13-0149	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	246.16	35.70
10 28 13 13-0150	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	566.40	35.70
10 28 13 13-0151	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	303.41	35.70
10 28 13 13-0152	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	526.79	35.70

10 28 13 13-0153 Grab Bars *(10 28 13 13-0001)*

10 28 13 13-0154 1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0153)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0155	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	114.67	28.55
		For Peened Grip, Add	*5.82*	
10 28 13 13-0156	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	131.21	28.55
		For Peened Grip, Add	*7.31*	
10 28 13 13-0157	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	132.88	28.55
		For Peened Grip, Add	*7.46*	
10 28 13 13-0158	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	133.66	28.55
		For Peened Grip, Add	*7.53*	
10 28 13 13-0159	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	133.87	28.55
		For Peened Grip, Add	*7.55*	
10 28 13 13-0160	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	137.87	28.55
		For Peened Grip, Add	*7.91*	
10 28 13 13-0161	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	144.18	28.55
		For Peened Grip, Add	*8.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0162		**1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0153)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0163	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	217.93	28.55
		For Peened Grip, Add	*14.47*	
10 28 13 13-0164	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	222.25	28.55
		For Peened Grip, Add	*14.86*	
10 28 13 13-0165		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0153)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0166	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	129.83	28.55
		For Peened Grip, Add	*7.19*	
10 28 13 13-0167	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	131.21	28.55
		For Peened Grip, Add	*7.31*	
10 28 13 13-0168	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	133.87	28.55
		For Peened Grip, Add	*7.55*	
10 28 13 13-0169	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	136.54	28.55
		For Peened Grip, Add	*7.79*	
10 28 13 13-0170	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	139.87	28.55
		For Peened Grip, Add	*8.09*	
10 28 13 13-0171	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	142.87	28.55
		For Peened Grip, Add	*8.36*	
10 28 13 13-0172	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	150.18	28.55
		For Peened Grip, Add	*9.02*	
10 28 13 13-0173		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0153)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0174	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	199.93	28.55
		For Peened Grip, Add	*12.85*	
10 28 13 13-0175	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	214.27	28.55
		For Peened Grip, Add	*14.14*	
10 28 13 13-0176	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	187.29	28.55
		For Peened Grip, Add	*11.72*	
10 28 13 13-0177		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0153)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0178	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	570.63	28.55
		For Peened Grip, Add	*46.86*	
10 28 13 13-0179		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0180	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	149.80	32.12
10 28 13 13-0181	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	153.80	32.12
10 28 13 13-0182	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	172.11	32.12
10 28 13 13-0183	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	176.71	32.12
10 28 13 13-0184	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	169.46	32.12
10 28 13 13-0185	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	171.63	32.12
10 28 13 13-0186	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	182.43	32.12
10 28 13 13-0187	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	198.07	32.12
10 28 13 13-0188	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	231.13	32.12
10 28 13 13-0189	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	182.76	32.12
10 28 13 13-0190	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	186.09	32.12
10 28 13 13-0191	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	192.61	32.12
10 28 13 13-0192	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	203.83	32.12
10 28 13 13-0193	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	221.14	32.12
10 28 13 13-0194	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	268.23	32.12
10 28 13 13-0195	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	354.03	32.12
10 28 13 13-0196	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	176.79	32.12
10 28 13 13-0197		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0198	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	548.61	42.84
10 28 13 13-0199	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	580.75	42.84
10 28 13 13-0200	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	481.22	42.84
10 28 13 13-0201	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	2,297.79	42.84
10 28 13 13-0202	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,677.53	42.84
10 28 13 13-0203	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	2,297.79	42.84
10 28 13 13-0204	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,677.53	42.84
10 28 13 13-0205		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0206	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	691.22	57.12
10 28 13 13-0207	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	900.95	57.12
10 28 13 13-0208	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	2,021.81	57.12
10 28 13 13-0209	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,987.87	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0210		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0211	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	78.66	32.12
10 28 13 13-0212	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	80.98	32.12
10 28 13 13-0213	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	140.13	32.12
10 28 13 13-0214	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	151.78	32.12
10 28 13 13-0215		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0216	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.88	1.43
10 28 13 13-0217	EA	Telescoping 60" To 72" Length, 20-Gauge, 1" Diameter, Stainless Steel Curved Shower Rod With Concealed Mounting (Kohler Expanse K-9349)	166.23	32.12
10 28 13 13-0218	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	62.18	14.28
10 28 13 13-0219	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	65.02	14.28
10 28 13 13-0220	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	111.19	32.12
10 28 13 13-0221	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	118.52	32.12
10 28 13 13-0222	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	127.50	32.12
10 28 13 13-0223	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	138.49	32.12
10 28 13 13-0224	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	98.54	32.12
10 28 13 13-0225	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	107.20	32.12
10 28 13 13-0226	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	112.19	32.12
10 28 13 13-0227	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	118.52	32.12
10 28 13 13-0228	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	102.20	32.12
10 28 13 13-0229	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	109.52	32.12
10 28 13 13-0230	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	118.17	32.12
10 28 13 13-0231	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	124.17	32.12
10 28 13 13-0232		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0233	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	592.98	28.25
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	641.89	28.25
10 28 13 13-0235	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	715.81	28.25
10 28 13 13-0236	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	1,031.32	28.25
10 28 13 13-0237	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	546.09	28.25
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	604.28	28.25
10 28 13 13-0239	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,190.71	28.25
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,281.39	28.25
10 28 13 13-0241	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,378.12	28.25
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	681.49	28.25
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, 22 Gauge Steel Cover Hand Dryer (Bobrick B-7120)	528.11	28.25
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, 18 Gauge Stainless Steel Cover Hand Dryer (Bobrick B-7128-115V)	611.74	28.25
10 28 13 13-0245	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer RA)	526.17	28.25
10 28 13 13-0246	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (World Dryer XRA)	558.25	28.25
10 28 13 13-0247	EA	Recessed Mounted, Automatic Sensor, Stainless Steel Cover Hand/Hair Dryer (World Dryer DXRA)	642.72	28.25
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,827.28	28.25
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,093.27	28.25
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,344.81	28.25
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,421.41	28.25
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,465.17	28.25
10 28 13 13-0253	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,508.94	28.25
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,596.47	28.25
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,082.22	28.25
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,158.81	28.25
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,202.58	28.25
10 28 13 13-0258	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,246.34	28.25
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS) Note: Electronically adjustable sound and speed.	1,333.87	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,082.22	28.25
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,158.81	28.25
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,202.58	28.25
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	1,246.34	28.25
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0264	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	1,333.87	28.25
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	775.86	28.25
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	852.45	28.25
10 28 13 13-0267	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	896.21	28.25
10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	939.98	28.25
10 28 13 13-0269	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	1,027.51	28.25
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	775.86	28.25
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	852.45	28.25
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	896.21	28.25
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	939.98	28.25
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	1,027.51	28.25
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	557.03	28.25
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	633.62	28.25
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	721.15	28.25

10 28 13 13-0278 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,112.81	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,577.09	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,309.96	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,643.87	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,410.13	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,744.05	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,410.13	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,744.05	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,309.96	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,643.87	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,176.39	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,510.30	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,112.81	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0292	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,577.09	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0293	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,309.96	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0294	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,643.87	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0295	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,410.13	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0296	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,744.05	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0297	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,410.13	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0298	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,744.05	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0299	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,309.96	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0300	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,643.87	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0301	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,176.39	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0302	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,510.30	28.25
		For ADA-Compliant Recess Kit, Add	*168.38*	
10 28 13 13-0303		**Additional Accessories** *(10 28 13 13-0001)*		
10 28 13 13-0304		**Hooks** *(10 28 13 13-0303)*		
10 28 13 13-0305	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	39.54	14.28
10 28 13 13-0306	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	46.86	14.28
10 28 13 13-0307	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	40.20	14.28
10 28 13 13-0308	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	43.47	14.28
10 28 13 13-0309	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	70.82	14.28
10 28 13 13-0310	EA	Double Stainless Steel Robe Hook (Bobrick B-76727)	43.47	14.28
10 28 13 13-0311	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	64.16	14.28
10 28 13 13-0312		**Clotheslines** *(10 28 13 13-0303)*		
10 28 13 13-0313	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	69.12	28.55
10 28 13 13-0314		**Towel Bars** *(10 28 13 13-0303)*		
10 28 13 13-0315	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	85.38	32.12
10 28 13 13-0316	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	85.63	32.12
10 28 13 13-0317	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	95.39	32.12
10 28 13 13-0318	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	96.32	32.12
10 28 13 13-0319	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	139.15	32.12
10 28 13 13-0320	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	144.80	32.12
10 28 13 13-0321	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	143.48	32.12
10 28 13 13-0322	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)	148.13	32.12
10 28 13 13-0323	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	156.47	32.12
10 28 13 13-0324	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	161.42	32.12
10 28 13 13-0325	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	120.18	32.12
10 28 13 13-0326	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	124.50	32.12
10 28 13 13-0327		**Towel Bar With Shelf** *(10 28 13 13-0303)*		
10 28 13 13-0328	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	265.65	32.12
10 28 13 13-0329		**Towel Pins** *(10 28 13 13-0303)*		
10 28 13 13-0330	EA	Stainless Steel Towel Pin (Bobrick B-677)	68.50	14.28
10 28 13 13-0331		**Drinking Fountain Grab Bars** *(10 28 13 13)*		
10 28 13 13-0332		**1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0331)* Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0333	EA	1-1/4" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	607.15	94.24
10 28 13 13-0334	EA	1-1/4" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	668.87	94.24
10 28 13 13-0335	EA	1-1/4" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	783.04	94.24
10 28 13 13-0336	EA	1-1/4" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	949.67	94.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0337		**1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bars** *(10 28 13 13-0331)*		
		Note: Includes two wall and one floor concealed mounting with snap flange. 33" high x 18" deep, second rail 6" off ground.		
10 28 13 13-0338	EA	1-1/2" Diameter, Satin Stainless Steel Drinking Fountain Grab Bars	634.92	94.24
10 28 13 13-0339	EA	1-1/2" Diameter, Peened Stainless Steel Drinking Fountain Grab Bars	696.64	94.24
10 28 13 13-0340	EA	1-1/2" Diameter, Anti-Slip Stainless Steel Drinking Fountain Grab Bars	816.99	94.24
10 28 13 13-0341	EA	1-1/2" Diameter, Bright Or Bright Peened Stainless Steel Drinking Fountain Grab Bars	980.53	94.24
10 28 13 13-0342		**1-1/2" Diameter, Steel Drinking Fountain Grab Bars** *(10 28 13 13-0331)*		
		Note: Includes three wall and one floor concealed mounting with snap flange.		
10 28 13 13-0343	EA	1-1/2" Diameter, Steel Drinking Fountain Grab Bars, 42" High	417.27	94.24
10 28 13 13-0344		**Mirrors** *(10 28 13 13)*		
10 28 13 13-0345		**Stainless Steel Channel Frame Glass Mirrors** *(10 28 13 13-0344)*		
10 28 13 13-0346	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	144.36	35.70
10 28 13 13-0347	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	162.71	35.70
10 28 13 13-0348	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	169.07	35.70
		For Tempered Glass (B-1658), Add	*53.38*	
10 28 13 13-0349	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	182.10	35.70
		For Tempered Glass (B-1658), Add	*62.50*	
10 28 13 13-0350	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	198.83	35.70
10 28 13 13-0351	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	205.86	35.70
		For Tempered Glass (B-1658), Add	*79.14*	
10 28 13 13-0352	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	252.01	35.70
10 28 13 13-0353	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	289.81	35.70
10 28 13 13-0354	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	347.57	35.70
10 28 13 13-0355	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	435.30	35.70
10 28 13 13-0356	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	488.60	35.70
10 28 13 13-0357		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0344)*		
10 28 13 13-0358	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	260.70	35.70
10 28 13 13-0359	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	280.44	35.70
10 28 13 13-0360	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	293.48	35.70
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	330.27	35.70
10 28 13 13-0362		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0344)*		
10 28 13 13-0363	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	232.91	35.70
10 28 13 13-0364	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	254.69	35.70
		For Tempered Glass (B-2908), Add	*106.84*	
10 28 13 13-0365	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	262.04	35.70
		For Tempered Glass (B-2908), Add	*111.69*	
10 28 13 13-0366	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	305.52	35.70
10 28 13 13-0367	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	307.19	35.70
		For Tempered Glass (B-2908), Add	*141.49*	
10 28 13 13-0368	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	407.86	35.70
10 28 13 13-0369	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	478.10	35.70
10 28 13 13-0370	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	543.66	35.70
10 28 13 13-0371	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	365.12	35.70
10 28 13 13-0372	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	443.28	35.70
10 28 13 13-0373	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	674.46	35.70
10 28 13 13-0374		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0344)*		
10 28 13 13-0375	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	240.53	35.70
10 28 13 13-0376	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	466.39	35.70
10 28 13 13-0377	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	488.48	35.70
10 28 13 13-0378	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	543.66	35.70
10 28 13 13-0379		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0344)*		
10 28 13 13-0380	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	260.04	35.70
10 28 13 13-0381	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	333.93	35.70
10 28 13 13-0382		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0344)*		
10 28 13 13-0383	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	350.67	35.70
10 28 13 13-0384	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	365.06	35.70
10 28 13 13-0385	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	440.31	35.70
10 28 13 13-0386	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	539.64	35.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0387		Medicine Cabinets *(10 28 13 13)*		
10 28 13 13-0388		Metal Medicine Cabinets *(10 28 13 13-0387)*		
10 28 13 13-0389	EA	16" x 20", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	262.76	71.39
10 28 13 13-0390	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	280.30	71.39
10 28 13 13-0391	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	311.08	71.39
10 28 13 13-0392	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	320.56	71.39
10 28 13 13-0393	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	681.75	71.39
10 28 13 13-0394	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	929.75	71.39
10 28 13 13-0395		Janitorial Material *(10 28 13 13)*		
10 28 13 13-0396	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	64.16	14.28
10 28 13 13-0397	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	166.11	32.12
10 28 13 13-0398	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	160.13	32.12
10 28 13 13-0399	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	181.21	32.12
10 28 13 13-0400	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	202.07	32.12
10 28 13 13-0401	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	136.72	32.12
10 28 13 13-0402	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	370.51	32.12
10 28 13 13-0403	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	531.31	32.12
10 28 13 13-0404		Removal And Reinstallation Of Bathroom Accessories *(10 28 13 13)*		
10 28 13 13-0405	EA	Removal And Reinstallation Of Bathroom Accessory	44.63	
10 28 13 19		**Healthcare Toilet Accessories** *(10 28 13)*		
10 28 13 19-0001		Healthcare Toilet Accessories *(10 28 13 19)*		
10 28 13 19-0002	EA	Surface Mounted, Stainless Steel Bedpan/Urinal Holder (Bradley BR-9905)	234.54	44.70
10 28 13 19-0003	EA	Recessed Mounted, Stainless Steel Bedpan Storage Cabinet (Bradley BR-990)	851.42	44.70
10 28 13 19-0004	EA	Stainless Steel Foot Operated Soap Dispenser (Bradley BR-6843)	294.72	118.94
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		Ligature Resistant, Stainless Steel Grab Bar *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	218.85	28.55
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	228.41	28.55
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	234.77	28.55
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	259.17	28.55
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	517.92	28.55
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Residential Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Residential, Surface Mounted, Porcelain Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Surface Mounted Porcelain Wall Soap Holder	71.06	19.28
10 28 16 13-0004	EA	Surface Mounted Porcelain Bath/Shower Soap Dish	79.97	19.28
10 28 16 13-0005	EA	Surface Mounted Porcelain 1 Roll Toilet Paper Holder	79.24	19.28
10 28 16 13-0006	EA	Surface Mounted Porcelain Toothbrush/Tumbler Holder	71.06	19.28
10 28 16 13-0007	EA	Surface Mounted Porcelain Towel Bar Set With Plastic Bar	77.32	19.28
10 28 16 13-0008		Residential Medicine Cabinets With Mirrors *(10 28 16 13-0001)*		
10 28 16 13-0009	EA	16" x 20" Recessed Molded Medicine Cabinet With Mirror (Nutone 401ADJ)	184.44	49.97
10 28 16 13-0010	EA	16" x 22" Recessed Molded Medicine Cabinet With Mirror (Nutone 407ADJ)	183.25	49.97
10 28 16 13-0011	EA	16" x 26" Recessed Molded Medicine Cabinet With Mirror (Nutone 624)	234.62	49.97
10 28 16 13-0012	EA	16" x 26" Stainless Trim, Plastic Body Medicine Cabinet With Mirror (Nutone B772193)	222.71	49.97
10 28 16 13-0013	EA	16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 420BC)	226.26	49.97
10 28 16 13-0014	EA	16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 421BC)	239.92	49.97
10 28 16 13-0015	EA	18" x 24" Recessed Steel Medicine Cabinet With Mirror (Nutone 490)	358.03	49.97
10 28 16 13-0016	EA	16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 458)	260.97	49.97
10 28 16 13-0017	EA	20" x 30" Recessed Steel Medicine Cabinet With Mirror (Nutone 495)	408.98	49.97
10 28 16 13-0018	EA	16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 470FS)	295.64	49.97
10 28 16 13-0019	EA	16-1/8" x 22-1/8" Surface Steel Medicine Cabinet With Mirror (Nutone 472FS)	280.97	49.97
10 28 16 13-0020	EA	16" x 22" Recessed Steel Medicine Cabinet With Mirror (Nutone 473FS)	283.48	49.97

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10 28 16 13-0021	EA	16" x 26" Recessed Steel Medicine Cabinet With Mirror (Nutone 478FS)	269.95	49.97
10 28 16 13-0022	EA	14" x 20" Surface Steel Medicine Cabinet With Mirror (Nutone 422SM)	224.03	49.97
10 28 16 13-0023	EA	16" x 22" Surface Steel Medicine Cabinet With Mirror (Nutone 452SM)	262.56	49.97
10 28 16 13-0024	EA	16-1/4" x 22-1/4" Molded Steel Medicine Cabinet With Mirror (Nutone 614)	220.19	49.97
10 28 16 13-0025		Residential Shower Curtain Rod *(10 28 16 13-0001)*		
		Note: Includes end brackets. See CSI section 10 28 13 13-0215 for shower curtain rods.		
10 28 16 13-0026	EA	Shower Curtain Rod, Polished Chrome	140.75	46.40
10 28 16 13-0027		Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0028	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	139.92	32.12
10 28 16 13-0029	EA	Recessed Mounted, Chrome Plated Soap Dish	199.39	32.12
10 28 16 13-0030	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	211.48	32.12
10 28 16 13-0031	EA	Recessed Mounted, Chrome Plated Tumbler Holder	145.04	32.12
10 28 16 13-0032		Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0033	EA	Surface Mounted, Chrome Plated Soap Dish	91.14	21.42
10 28 16 13-0034	EA	Surface Mounted, Chrome Plated Single Clothes Hook	104.63	21.42
10 28 16 13-0035	EA	Surface Mounted, Chrome Plated Double Clothes Hook	104.63	21.42
10 28 16 13-0036	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	209.73	21.42
10 28 16 13-0037	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	175.81	21.42
10 28 16 13-0038	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	117.52	28.55
10 28 16 13-0039	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	119.03	28.55
10 28 16 13-0040	EA	Surface Mounted, Chrome Plated Towel Ring	87.82	21.42
10 28 16 13-0041	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	76.85	14.28
10 28 16 13-0042	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	91.14	21.42
10 28 16 13-0043	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	181.53	21.42
10 28 16 13-0044	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	109.28	21.42
10 28 16 13-0045	EA	Surface Mounted, Chrome Plated Towel Pin	115.39	14.28
10 28 16 13-0046	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	349.43	21.42
10 28 16 13-0047	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	169.19	21.42
10 28 16 13-0048	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	104.35	21.42
10 28 16 13-0049	EA	18" Length, Polished Chrome Finish Towel Bar (Symmons 433TB-18)	151.29	21.42
		For Satin Nickel Finish, Add	*34.82*	
10 28 16 13-0050	EA	24" Length, Polished Chrome Finish Towel Bar (Symmons 433TB-24)	133.64	32.12
		For Satin Nickel Finish, Add	*44.89*	
10 28 16 13-0051	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder (Symmons 433TP)	118.36	21.42
		For Satin Nickel Finish, Add	*30.21*	
10 28 16 13-0052	EA	Surface Mounted, Chrome Plated Towel Ring (Symmons 433TR)	129.74	21.42
		For Satin Nickel Finish, Add	*34.76*	
10 28 16 13-0053	EA	Surface Mounted, Chrome Plated Robe Hook (Symmons 433RH)	105.61	21.42
		For Satin Nickel Finish, Add	*25.11*	
10 28 16 13-0054		Residential, Ceramic Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0055	EA	4-1/8" x 4-1/8" x 2-7/8" Deep Ceramic Recessed Soap Dish	145.79	29.56
10 28 16 13-0056	EA	6" x 4-1/4" x 3-1/8" Deep Ceramic Recessed Soap Dish	170.20	29.56
10 28 16 13-0057	EA	8-1/8" x 15-3/8" x 2-7/8" Deep Ceramic Recessed Soap And Suds	289.53	37.13
10 28 16 13-0058	EA	6" x 6" x 3-1/4" Deep Ceramic Recessed Toilet Paper Holder	160.43	29.56
10 28 16 13-0059	EA	6" x 6" x 4-7/8" Deep Ceramic Recessed Soap And Cloth Holder With Lip Drain	199.49	29.56
10 28 16 13-0060	EA	6-3/8" x 4-3/4" x 1-3/8" Deep Ceramic Semi-Recessed Soap Dish	133.58	29.56
10 28 16 13-0061	EA	6-3/8" x 6-3/8" x 1-3/4" Deep Ceramic Semi-Recessed Soap Dish	142.37	29.56
10 28 16 13-0062	EA	6-5/8" x 5" x 2-3/8" Deep Ceramic Semi-Recessed Toilet Paper Holder	128.70	29.56
10 28 16 13-0063	EA	6-5/8" x 4-7/8" x 2-3/8" Deep Ceramic Semi-Recessed Soap And Cloth Holder	136.02	29.56
10 28 16 13-0064	EA	7-1/4" x 3" Ceramic Surface Mounted Corner Shelf	126.39	19.28
10 28 16 13-0065	EA	4-1/2" x 2-1/4" Ceramic Surface Mounted Corner Shelf	114.09	19.28
10 28 16 13-0066	EA	4" x 6" Ceramic Surface Mounted Toilet Paper Holder	89.78	19.28
10 28 16 13-0067	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish	90.41	19.28
10 28 16 13-0068	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Soap Dish	84.85	19.28
10 28 16 13-0069	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Low Profile Soap Dish	77.43	19.28
10 28 16 13-0070	EA	4" x 6" Ceramic Surface Mounted Tub Soap Dish And Cloth Holder	96.05	19.28
10 28 16 13-0071	EA	4-1/4" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	84.85	19.28
10 28 16 13-0072	EA	2-1/8" x 4-1/4" Ceramic Surface Mounted Toothbrush/Tumbler Holder	77.43	19.28
10 28 16 13-0073	EA	1-1/2" x 4-1/4" Ceramic Surface Mounted Towel Ring	88.83	19.28
10 28 16 13-0074		Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)*		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0075	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	354.52	71.39
10 28 16 13-0076	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	458.93	71.39
10 28 16 13-0077	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	371.05	71.39
10 28 16 13-0078	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	481.48	71.39
10 28 16 13-0079	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	381.47	71.39
10 28 16 13-0080	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	501.28	71.39
10 28 16 13-0081	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	395.79	71.39
10 28 16 13-0082	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	525.49	71.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 16 13-0083		Residential Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0084	EA	Surface Mounted Plastic Paper Towel Dispenser	137.85	32.12
10 28 16 13-0085	EA	Surface Mounted Plastic Napkin Disposal	121.60	32.12
10 28 16 13-0086	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	127.34	
10 28 16 13-0087	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	144.54	32.12
10 28 16 13-0088	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	137.90	32.12
10 28 16 13-0089	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	168.97	39.27
10 28 16 13-0090	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	93.49	28.55
10 28 16 13-0091	EA	13 Gallon Plastic Waste Door For Countertops	326.94	53.54
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	724.15	64.97
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	763.08	32.49
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	924.56	32.49
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	758.94	32.49
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	814.08	32.49
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	1,139.48	32.49
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	1,193.45	32.49
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	1,244.24	32.49
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,298.21	32.49
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,350.59	32.49
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	1,236.36	32.49
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	1,127.14	32.49
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	1,156.56	32.49
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	1,187.84	32.49
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	1,205.30	32.49
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	1,231.14	32.49
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	1,284.19	32.49
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,581.29	32.49
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,681.29	32.49
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,511.66	32.49
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,533.55	32.49
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,737.06	32.49
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	1,094.30	32.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	1,106.89	32.49
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	1,135.35	32.49
10 28 19 19-0006		Frameless, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0007	EA	52" To 56" Opening, Frameless, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00353)	1,413.24	32.49
10 28 19 19-0008	EA	56" To 60" Opening, Frameless, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00350)	1,435.03	32.49

10 30 Fireplaces and Stoves *(10)*

10 31 Manufactured Fireplaces *(10 30)*

10 31 13 Manufactured Fireplace Chimneys *(10 31)*

See CSI section 23 51 00 00-0000 for chimneys.

10 31 16 Manufactured Fireplace Forms *(10 31)*

10 31 16 00-0001 Prefabricated Fireplaces *(10 31 16)*
Note: Listed by screen width.

10 31 16 00-0002 Radiant Heat Fireplace Inserts *(10 31 16 00-0001)*
Note: Includes insert, screen, grate and vent connection.

10 31 16 00-0003	EA	38" Wide Radiant Heat, Open Front Fireplace Insert	1,797.79	346.37
		For Circulating Heat Fireplace, Add	*60.78*	
10 31 16 00-0004	EA	43" Wide Radiant Heat, Open Front Fireplace Insert	1,905.88	357.08
		For Circulating Heat Fireplace, Add	*65.54*	
10 31 16 00-0005	EA	48" Wide Radiant Heat, Open Front Fireplace Insert	2,049.93	374.94
		For Circulating Heat Fireplace, Add	*71.50*	

10 31 16 00-0006 Radiant Heat Natural Gas Fireplace *(10 31 16 00-0001)*
Note: Includes insert, screen, gas logs and vent connection. Units are remote ready.

10 31 16 00-0007	EA	32" Wide Radiant Heat Natural Gas Fireplace	2,329.51	346.37
		For Circulating Heat Fireplace, Add	*90.02*	
		For Remote Ignition, Add	*81.84*	
10 31 16 00-0008	EA	36" Wide Radiant Heat Natural Gas Fireplace	2,472.08	357.08
		For Circulating Heat Fireplace, Add	*96.69*	
		For Remote Ignition, Add	*87.90*	

10 31 16 00-0009 Vent Free Radiant Heat Natural Gas Fireplace *(10 31 16 00-0001)*
Note: Includes insert, screen, and gas logs. Units are remote ready.

10 31 16 00-0010	EA	26" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,506.64	299.95
		For Circulating Heat Fireplace, Add	*104.87*	
		For Remote Ignition, Add	*95.34*	
10 31 16 00-0011	EA	32" Wide Vent Free Radiant Heat Natural Gas Fireplace	2,792.74	321.38
		For Circulating Heat Fireplace, Add	*118.25*	
		For Remote Ignition, Add	*107.50*	
10 31 16 00-0012	EA	36" Wide Vent Free Radiant Heat Natural Gas Fireplace	3,113.41	357.08
		For Circulating Heat Fireplace, Add	*131.96*	
		For Remote Ignition, Add	*119.96*	
10 31 16 00-0013	EA	42" Wide Vent Free Radiant Heat Natural Gas Fireplace	3,528.85	385.66
		For Circulating Heat Fireplace, Add	*151.67*	
		For Remote Ignition, Add	*137.88*	

10 32 Fireplace Specialties *(10 30)*

10 32 16 Fireplace Inserts *(10 32)*

10 32 16 00-0001 Gas Log Inserts, Vented *(10 32 16)*
Note: Manual controlled.

10 32 16 00-0002	EA	15", 4 Log Set Gas Log Insert	778.80	129.99
10 32 16 00-0003	EA	18", 6 Log Set Gas Log Insert	953.58	129.99
10 32 16 00-0004	EA	21", 6 Log Set Gas Log Insert	1,004.62	129.99
10 32 16 00-0005	EA	24", 6 or 7 Log Set Gas Log Insert	1,055.66	129.99
10 32 16 00-0006	EA	30", 7 or 8 Log Set Gas Log Insert	1,337.55	129.99
10 32 16 00-0007	EA	36", 8 to 11 Log Set Gas Log Insert	1,571.87	129.99

10 32 19 Fireplace Screens *(10 32)*

10 32 19 00-0001 Screens, Mounted *(10 32 19)*

10 32 19 00-0002	EA	Black Powder Coated Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	168.20	
10 32 19 00-0003	EA	Stainless Steel Screen And Frame Note: Fits Heights between 18" to 27" and widths up to 42".	288.68	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 32 23 Fireplace Doors *(10 32)*

10 32 23 00-0001 Glass Doors, Bi-Fold *(10 32 23)*

Note: Includes anodized aluminum enclosure with 2 3/4" top and side panels and a 11/16" bottom panel. Flat black or polished brass finish.

10 32 23 00-0002	EA	29" To 32" Wide Glass Fireplace Door, 25" To 32" Height	1,301.95	71.92
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0003	EA	32" To 35" Wide Glass Fireplace Door, 25" To 32" Height	1,422.33	71.92
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0004	EA	35" To 38" Wide Glass Fireplace Door, 25" To 32" Height	1,518.63	71.92
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	
10 32 23 00-0005	EA	38" To 43" Wide Glass Fireplace Door, 25" To 32" Height	1,634.19	71.92
		Note: Includes 1/4" tempered glass.		
		For Wire Mesh Screen, Add	*96.00*	
		For Wire Mesh Door, Add	*152.00*	

10 32 23 00-0006 Chimney Dampers / Chimalator *(10 32 23)*

Note: Stainless steel top sealing damper cap.

10 32 23 00-0007	EA	8" x 8" Stainless Steel Chimalator Top Sealing Damper Cap	701.89	23.07
10 32 23 00-0008	EA	8" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	728.81	24.54
10 32 23 00-0009	EA	8" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	947.44	27.98
10 32 23 00-0010	EA	8" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,014.93	27.98
10 32 23 00-0011	EA	10" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,070.22	35.10
10 32 23 00-0012	EA	12" x 12" Stainless Steel Chimalator Top Sealing Damper Cap	817.74	35.10
10 32 23 00-0013	EA	12" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	1,025.48	42.10
10 32 23 00-0014	EA	13" x 13" Stainless Steel Chimalator Top Sealing Damper Cap	817.74	35.10
10 32 23 00-0015	EA	13" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,025.48	42.10
10 32 23 00-0016	EA	13" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,313.85	42.10
10 32 23 00-0017	EA	16" x 16" Stainless Steel Chimalator Top Sealing Damper Cap	1,165.76	58.91
10 32 23 00-0018	EA	16" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,447.99	58.91
10 32 23 00-0019	EA	18" x 18" Stainless Steel Chimalator Top Sealing Damper Cap	1,216.55	61.98
10 32 23 00-0020	EA	18" x 21" Stainless Steel Chimalator Top Sealing Damper Cap	1,535.41	61.98
10 32 23 00-0021	EA	20" x 20" Stainless Steel Chimalator Top Sealing Damper Cap	1,650.43	65.41
10 32 23 00-0022	EA	20" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,783.37	65.41
10 32 23 00-0023	EA	24" x 24" Stainless Steel Chimalator Top Sealing Damper Cap	1,897.38	69.33

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,817.48	46.40
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.33*	
		For Swing Key Hook Panel, Add	*159.33*	
		For Non-Locking Weather Housing, Add	*400.98*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,926.59	46.40
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*60.33*	
		For Swing Key Hook Panel, Add	*159.33*	
		For Second Swing Key Hook Panel, Add	*126.33*	
		For Non-Locking Weather Housing, Add	*400.98*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	911.82	46.40
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	802.70	46.40
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.64*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,070.04	46.40
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.64*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,138.23	46.40
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*66.64*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	396.23	58.55
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	400.63	58.55
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	401.51	58.55
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	428.84	58.55
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	500.23	58.55
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	509.92	58.55

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	407.63	58.55
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	412.09	58.55
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	419.51	58.55
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	432.13	58.55
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	470.90	58.55
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	482.78	58.55

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*
Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	614.81	58.55
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	629.30	58.55
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	636.55	58.55
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	686.07	58.55
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	785.77	58.55
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	815.97	58.55

10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*
Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,869.24	58.55
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,883.11	58.55
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	2,165.88	58.55

10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*
Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	453.51	58.55
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	487.01	58.55

10 44 13 00-0031 Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0032 Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*
Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	420.02	58.55
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	428.84	58.55
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	429.72	58.55
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	459.68	58.55
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	519.62	58.55
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	529.31	58.55

10 44 13 00-0039 Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*
Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	440.47	58.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	451.60	58.55
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	458.28	58.55
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	470.90	58.55
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	514.69	58.55
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	525.08	58.55
10 44 13 00-0046		Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	678.27	58.55
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	695.18	58.55
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	702.42	58.55
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	739.87	58.55
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	832.88	58.55
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	853.41	58.55
10 44 13 00-0053		Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,363.08	58.55
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,374.72	58.55
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,725.95	58.55
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	485.24	58.55
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	516.97	58.55
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	412.97	58.55
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	418.26	58.55
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	460.57	58.55
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	512.57	58.55
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	526.67	58.55
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	510.98	58.55
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	520.63	58.55
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	542.15	58.55
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	584.45	58.55
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	602.27	58.55
10 44 13 00-0073		Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	783.35	58.55
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	806.31	58.55
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	863.08	58.55
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	973.00	58.55
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	1,006.82	58.55
10 44 13 00-0079		Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,714.98	58.55
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	3,063.53	58.55
10 44 13 00-0082		Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	465.85	58.55
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	504.64	58.55
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	640.37	58.55
10 44 13 00-0086		Fire Extinguisher Cabinet Accessories *(10 44 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	42.47	17.85
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	40.10	17.85
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	38.66	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	101.84	35.70
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	244.09	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	268.50	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	366.14	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	500.38	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	585.82	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	141.57	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	146.45	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	195.27	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	353.93	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	358.81	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	73.96	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	77.66	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	104.78	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	184.90	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	187.37	

10 44 13 00-0106 Fire Hose Cabinets *(10 44 13)*

Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0014 for fire hose angle valves.

10 44 13 00-0107 Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	680.10	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	692.39	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	702.63	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	712.88	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	725.16	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	757.91	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	768.16	157.84
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	736.85	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	756.65	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	759.22	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	767.45	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	778.25	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	808.84	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	839.44	157.84
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	971.75	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,074.19	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,084.05	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,115.57	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,125.42	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,176.64	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,227.87	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0132		Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0106)*		
10 44 13 00-0133		Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)* Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	712.88	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	725.16	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	735.38	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	747.67	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	757.91	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	790.66	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	802.94	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0141		Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)* Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	756.65	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	778.25	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	781.33	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	787.25	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	798.04	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	828.64	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	859.24	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0149		Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)* Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,032.82	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,145.12	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,154.97	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,186.49	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,196.34	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,247.57	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,298.79	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0157		Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*		
10 44 13 00-0158		Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)* Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	725.16	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	735.38	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	747.67	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	757.91	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	768.16	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	802.94	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	813.19	157.84
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0166		Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)* Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	808.84	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	828.64	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	833.78	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	839.44	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	848.44	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	880.84	157.84
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	900.64	157.84
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,115.57	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,442.62	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,525.36	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,545.06	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,564.77	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,647.51	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,749.96	157.84
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	192.38	18.56
		For >5 To 10, Deduct	*-4.86*	
		For >10, Deduct	*-9.72*	
		For Placement In Cabinet, Deduct	*-47.60*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	270.46	21.42
		For >5 To 10, Deduct	*-8.03*	
		For >10, Deduct	*-16.06*	
		For Placement In Cabinet, Deduct	*-54.92*	
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	351.78	27.13
		For >5 To 10, Deduct	*-10.45*	
		For >10, Deduct	*-20.90*	
		For Placement In Cabinet, Deduct	*-71.40*	
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	434.08	34.27
		For >5 To 10, Deduct	*-12.78*	
		For >10, Deduct	*-25.56*	
		For Placement In Cabinet, Deduct	*-89.24*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	475.84	34.27
		For >5 To 10, Deduct	*-14.87*	
		For >10, Deduct	*-29.74*	
		For Placement In Cabinet, Deduct	*-89.24*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,424.51	54.25
		For >5 To 10, Deduct	*-56.95*	
		For >10, Deduct	*-113.89*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,693.96	54.25
		For >5 To 10, Deduct	*-120.42*	
		For >10, Deduct	*-240.84*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	132.25	18.56
		For Placement In Cabinet, Deduct	*-47.60*	
		For >5 To 10, Deduct	*-1.85*	
		For >10, Deduct	*-3.71*	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	162.40	21.42
		For Placement In Cabinet, Deduct	*-54.92*	
		For >5 To 10, Deduct	*-2.63*	
		For >10, Deduct	*-5.26*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	226.46	27.13
		For Placement In Cabinet, Deduct	*-71.40*	
		For >5 To 10, Deduct	*-4.18*	
		For >10, Deduct	*-8.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	310.16	34.27
		For Placement In Cabinet, Deduct	*-89.24*	
		For >5 To 10, Deduct	*-6.58*	
		For >10, Deduct	*-13.17*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,687.10	54.25
		For >5 To 10, Deduct	*-70.08*	
		For >10, Deduct	*-140.15*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,454.67	54.25
		For >5 To 10, Deduct	*-108.46*	
		For >10, Deduct	*-216.91*	
10 44 16 13-0016	EA	5 Lb. Dry Chemical Extinguisher, Red Steel, 2A:10B:C	193.25	21.42
		For >5 To 10, Deduct	*-4.17*	
		For >10, Deduct	*-8.34*	
10 44 16 13-0017	EA	10 Lb. Dry Chemical Extinguisher, Red Steel, 2A:20B:C	273.47	27.13
		For >5 To 10, Deduct	*-6.53*	
		For >10, Deduct	*-13.07*	

10 44 16 13-0018 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0019	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	217.63	21.42
		For Placement In Cabinet, Deduct	*-54.92*	
		For >5 To 10, Deduct	*-5.39*	
		For >10, Deduct	*-10.78*	
10 44 16 13-0020	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	334.05	34.27
		For Placement In Cabinet, Deduct	*-89.24*	
		For >5 To 10, Deduct	*-7.78*	
		For >10, Deduct	*-15.56*	
10 44 16 13-0021	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	351.00	34.27
		For Placement In Cabinet, Deduct	*-89.24*	
		For >5 To 10, Deduct	*-8.63*	
		For >10, Deduct	*-17.25*	
10 44 16 13-0022	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	468.08	34.27
		For >5 To 10, Deduct	*-14.48*	
		For >10, Deduct	*-28.96*	

10 44 16 13-0023 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0024 Fire Extinguisher Backboards *(10 44 16 13-0023)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0025	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	150.65	24.42
10 44 16 13-0026	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	215.48	

10 44 16 13-0027 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0028	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.77	
10 44 16 13-0029	EA	On Site Fire Extinguisher Hydrotest	11.42	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	416.90	58.55
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	333.17	58.55

10 45 Photoluminescent Exit Specialties *(10 40)*

10 45 00 00-0001 Photoluminescent Illuminated Egress Markings *(10 45)*

10 45 00 00-0002	LF	1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	9.56	
		For Wall Applied, Add	*0.96*	
10 45 00 00-0003	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.14	
		For Wall Applied, Add	*0.96*	
10 45 00 00-0004	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.72	
		For Wall Applied, Add	*0.96*	
10 45 00 00-0005	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	10.15	
		For Wall Applied, Add	*0.96*	
10 45 00 00-0006	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	11.31	
		For Wall Applied, Add	*0.96*	
10 45 00 00-0007	LF	1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors Note: Peel and stick.	12.04	
		For Wall Applied, Add	*0.96*	
10 45 00 00-0008	EA	1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors Note: Self adhesive, high bond foam backing.	52.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 45 00 00-0009	EA	1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip Note: Self adhesive, high bond foam backing.	51.96	

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*
Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*
Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 48" Single Tier Institutional Or Corridor Locker	310.85	44.26
		For >25 To 50, Deduct	*-11.12*	
		For >50 To 100, Deduct	*-23.56*	
		For >100, Deduct	*-36.00*	
		For 14 Gauge Doors, Add	*17.79*	
10 51 13 00-0004	EA	12" x 15" x 48" Single Tier Institutional Or Corridor Locker	319.65	44.26
		For >25 To 50, Deduct	*-11.56*	
		For >50 To 100, Deduct	*-24.44*	
		For >100, Deduct	*-37.32*	
		For 14 Gauge Doors, Add	*18.49*	
10 51 13 00-0005	EA	12" x 18" x 48" Single Tier Institutional Or Corridor Locker	328.44	44.26
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-25.32*	
		For >100, Deduct	*-38.64*	
		For 14 Gauge Doors, Add	*19.19*	
10 51 13 00-0006	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	294.76	44.26
		For >25 To 50, Deduct	*-10.31*	
		For >50 To 100, Deduct	*-21.95*	
		For >100, Deduct	*-33.59*	
		For 14 Gauge Doors, Add	*16.50*	
10 51 13 00-0007	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	305.68	44.26
		For >25 To 50, Deduct	*-10.86*	
		For >50 To 100, Deduct	*-23.04*	
		For >100, Deduct	*-35.23*	
		For 14 Gauge Doors, Add	*17.37*	
10 51 13 00-0008	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	320.62	44.26
		For >25 To 50, Deduct	*-11.60*	
		For >50 To 100, Deduct	*-24.54*	
		For >100, Deduct	*-37.47*	
		For 14 Gauge Doors, Add	*18.57*	
10 51 13 00-0009	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	320.28	45.69
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-24.26*	
		For >100, Deduct	*-37.08*	
		For 14 Gauge Doors, Add	*18.31*	
10 51 13 00-0010	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	329.34	45.69
		For >25 To 50, Deduct	*-11.90*	
		For >50 To 100, Deduct	*-25.17*	
		For >100, Deduct	*-38.44*	
		For 14 Gauge Doors, Add	*19.04*	
10 51 13 00-0011	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	338.17	45.69
		For >25 To 50, Deduct	*-12.34*	
		For >50 To 100, Deduct	*-26.05*	
		For >100, Deduct	*-39.76*	
		For 14 Gauge Doors, Add	*19.74*	
10 51 13 00-0012	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	353.41	45.69
		For >25 To 50, Deduct	*-13.10*	
		For >50 To 100, Deduct	*-27.57*	
		For >100, Deduct	*-42.05*	
		For 14 Gauge Doors, Add	*20.96*	
10 51 13 00-0013	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	368.51	45.69
		For >25 To 50, Deduct	*-13.86*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-44.31*	
		For 14 Gauge Doors, Add	*22.17*	
10 51 13 00-0014	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	384.48	45.69
		For >25 To 50, Deduct	*-14.66*	
		For >50 To 100, Deduct	*-30.68*	
		For >100, Deduct	*-46.71*	
		For 14 Gauge Doors, Add	*23.45*	
10 51 13 00-0015	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	399.24	45.69
		For >25 To 50, Deduct	*-15.39*	
		For >50 To 100, Deduct	*-32.16*	
		For >100, Deduct	*-48.92*	
		For 14 Gauge Doors, Add	*24.63*	
10 51 13 00-0016	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	534.06	45.69
		For >25 To 50, Deduct	*-22.13*	
		For >50 To 100, Deduct	*-45.64*	
		For >100, Deduct	*-69.14*	
		For 14 Gauge Doors, Add	*35.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0017		Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		
		Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0018	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	345.78	45.69
		For >25 To 50, Deduct	*-12.72*	
		For >50 To 100, Deduct	*-26.81*	
		For >100, Deduct	*-40.90*	
		For 14 Gauge Doors, Add	*27.98*	
10 51 13 00-0019	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	352.67	45.69
		For >25 To 50, Deduct	*-13.06*	
		For >50 To 100, Deduct	*-27.50*	
		For >100, Deduct	*-41.93*	
		For 14 Gauge Doors, Add	*28.74*	
10 51 13 00-0020	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	359.61	45.69
		For >25 To 50, Deduct	*-13.41*	
		For >50 To 100, Deduct	*-28.19*	
		For >100, Deduct	*-42.98*	
		For 14 Gauge Doors, Add	*29.51*	
10 51 13 00-0021	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	361.28	47.12
		For >25 To 50, Deduct	*-13.35*	
		For >50 To 100, Deduct	*-28.12*	
		For >100, Deduct	*-42.88*	
		For 14 Gauge Doors, Add	*29.37*	
10 51 13 00-0022	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	376.33	47.12
		For >25 To 50, Deduct	*-14.10*	
		For >50 To 100, Deduct	*-29.62*	
		For >100, Deduct	*-45.14*	
		For 14 Gauge Doors, Add	*31.03*	
10 51 13 00-0023	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	385.42	47.12
		For >25 To 50, Deduct	*-14.56*	
		For >50 To 100, Deduct	*-30.53*	
		For >100, Deduct	*-46.50*	
		For 14 Gauge Doors, Add	*32.03*	
10 51 13 00-0024	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	398.44	47.12
		For >25 To 50, Deduct	*-15.21*	
		For >50 To 100, Deduct	*-31.83*	
		For >100, Deduct	*-48.46*	
		For 14 Gauge Doors, Add	*33.46*	
10 51 13 00-0025	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	411.51	47.12
		For >25 To 50, Deduct	*-15.86*	
		For >50 To 100, Deduct	*-33.14*	
		For >100, Deduct	*-50.42*	
		For 14 Gauge Doors, Add	*34.90*	
10 51 13 00-0026	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	470.69	47.12
		For >25 To 50, Deduct	*-18.82*	
		For >50 To 100, Deduct	*-39.06*	
		For >100, Deduct	*-59.29*	
		For 14 Gauge Doors, Add	*41.41*	
10 51 13 00-0027	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	481.44	47.12
		For >25 To 50, Deduct	*-19.36*	
		For >50 To 100, Deduct	*-40.13*	
		For >100, Deduct	*-60.91*	
		For 14 Gauge Doors, Add	*42.59*	
10 51 13 00-0028		Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0029	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	404.10	48.55
		For >25 To 50, Deduct	*-15.35*	
		For >50 To 100, Deduct	*-32.16*	
		For >100, Deduct	*-48.96*	
		For 14 Gauge Doors, Add	*46.05*	
10 51 13 00-0030	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	411.16	48.55
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-32.86*	
		For >100, Deduct	*-50.02*	
		For 14 Gauge Doors, Add	*47.11*	
10 51 13 00-0031	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	436.29	48.55
		For >25 To 50, Deduct	*-16.96*	
		For >50 To 100, Deduct	*-35.38*	
		For >100, Deduct	*-53.79*	
		For 14 Gauge Doors, Add	*50.88*	
10 51 13 00-0032	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	460.34	48.55
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-37.78*	
		For >100, Deduct	*-57.40*	
		For 14 Gauge Doors, Add	*54.49*	
10 51 13 00-0033	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	479.50	48.55
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-39.70*	
		For >100, Deduct	*-60.27*	
		For 14 Gauge Doors, Add	*57.36*	
10 51 13 00-0034		Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0035	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	397.51	49.97
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-31.25*	
		For >100, Deduct	*-47.63*	
10 51 13 00-0036	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	409.84	49.97
		For >25 To 50, Deduct	*-15.49*	
		For >50 To 100, Deduct	*-32.49*	
		For >100, Deduct	*-49.48*	
10 51 13 00-0037	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	429.68	49.97
		For >25 To 50, Deduct	*-16.49*	
		For >50 To 100, Deduct	*-34.47*	
		For >100, Deduct	*-52.46*	
10 51 13 00-0038	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	445.56	49.97
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-36.06*	
		For >100, Deduct	*-54.84*	
10 51 13 00-0039	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	468.43	49.97
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-38.35*	
		For >100, Deduct	*-58.27*	
10 51 13 00-0040		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0041	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	431.39	51.40
		For >25 To 50, Deduct	*-16.43*	
		For >50 To 100, Deduct	*-34.40*	
		For >100, Deduct	*-52.37*	
10 51 13 00-0042	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	440.90	51.40
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-35.35*	
		For >100, Deduct	*-53.80*	
10 51 13 00-0043	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	458.86	51.40
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-37.15*	
		For >100, Deduct	*-56.49*	
10 51 13 00-0044		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		
10 51 13 00-0045	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	775.68	34.27
10 51 13 00-0046	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,246.38	71.39
10 51 13 00-0047		**Athletic Lockers** *(10 51 13)*		
		Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0048		**Single Tier Athletic Locker** *(10 51 13 00-0047)*		
		Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0049	EA	12" x 15" x 60" Single Tier Athletic Locker	434.58	45.69
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-35.69*	
		For >100, Deduct	*-54.22*	
10 51 13 00-0050	EA	12" x 18" x 60" Single Tier Athletic Locker	449.07	45.69
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-37.14*	
		For >100, Deduct	*-56.39*	
10 51 13 00-0051	EA	15" x 15" x 60" Single Tier Athletic Locker	458.39	45.69
		For >25 To 50, Deduct	*-18.35*	
		For >50 To 100, Deduct	*-38.07*	
		For >100, Deduct	*-57.79*	
10 51 13 00-0052	EA	15" x 18" x 60" Single Tier Athletic Locker	473.86	45.69
		For >25 To 50, Deduct	*-19.12*	
		For >50 To 100, Deduct	*-39.62*	
		For >100, Deduct	*-60.11*	
10 51 13 00-0053	EA	18" x 18" x 60" Single Tier Athletic Locker	540.61	45.69
		For >25 To 50, Deduct	*-22.46*	
		For >50 To 100, Deduct	*-46.29*	
		For >100, Deduct	*-70.13*	
10 51 13 00-0054	EA	18" x 21" x 60" Single Tier Athletic Locker	593.68	45.69
		For >25 To 50, Deduct	*-25.12*	
		For >50 To 100, Deduct	*-51.60*	
		For >100, Deduct	*-78.09*	
10 51 13 00-0055	EA	18" x 24" x 60" Single Tier Athletic Locker	629.98	45.69
		For >25 To 50, Deduct	*-26.93*	
		For >50 To 100, Deduct	*-55.23*	
		For >100, Deduct	*-83.53*	
10 51 13 00-0056	EA	12" x 15" x 72" Single Tier Athletic Locker	450.66	45.69
		For >25 To 50, Deduct	*-17.96*	
		For >50 To 100, Deduct	*-37.30*	
		For >100, Deduct	*-56.63*	
10 51 13 00-0057	EA	12" x 18" x 72" Single Tier Athletic Locker	476.77	45.69
		For >25 To 50, Deduct	*-19.27*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-60.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0058	EA	15" x 15" x 72" Single Tier Athletic Locker	485.95	45.69
		For >25 To 50, Deduct	*-19.73*	
		For >50 To 100, Deduct	*-40.83*	
		For >100, Deduct	*-61.93*	
10 51 13 00-0059	EA	15" x 18" x 72" Single Tier Athletic Locker	502.71	45.69
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-42.50*	
		For >100, Deduct	*-64.44*	
10 51 13 00-0060	EA	18" x 18" x 72" Single Tier Athletic Locker	544.03	45.69
		For >25 To 50, Deduct	*-22.63*	
		For >50 To 100, Deduct	*-46.64*	
		For >100, Deduct	*-70.64*	
10 51 13 00-0061	EA	18" x 21" x 72" Single Tier Athletic Locker	587.34	45.69
		For >25 To 50, Deduct	*-24.80*	
		For >50 To 100, Deduct	*-50.97*	
		For >100, Deduct	*-77.14*	
10 51 13 00-0062	EA	18" x 24" x 72" Single Tier Athletic Locker	664.11	45.69
		For >25 To 50, Deduct	*-28.64*	
		For >50 To 100, Deduct	*-58.64*	
		For >100, Deduct	*-88.65*	

10 51 13 00-0063 Two Tier Athletic Locker *(10 51 13 00-0047)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0064	EA	12" x 12" x 60" Two Tier Athletic Locker	485.84	47.12
		For >25 To 50, Deduct	*-19.58*	
		For >50 To 100, Deduct	*-40.57*	
		For >100, Deduct	*-61.57*	
10 51 13 00-0065	EA	12" x 15" x 60" Two Tier Athletic Locker	501.27	47.12
		For >25 To 50, Deduct	*-20.35*	
		For >50 To 100, Deduct	*-42.12*	
		For >100, Deduct	*-63.88*	
10 51 13 00-0066	EA	12" x 18" x 60" Two Tier Athletic Locker	518.63	47.12
		For >25 To 50, Deduct	*-21.22*	
		For >50 To 100, Deduct	*-43.85*	
		For >100, Deduct	*-66.49*	
10 51 13 00-0067	EA	15" x 15" x 60" Two Tier Athletic Locker	520.32	47.12
		For >25 To 50, Deduct	*-21.30*	
		For >50 To 100, Deduct	*-44.02*	
		For >100, Deduct	*-66.74*	
10 51 13 00-0068	EA	15" x 18" x 60" Two Tier Athletic Locker	523.94	47.12
		For >25 To 50, Deduct	*-21.49*	
		For >50 To 100, Deduct	*-44.38*	
		For >100, Deduct	*-67.28*	
10 51 13 00-0069	EA	18" x 18" x 60" Two Tier Athletic Locker	554.45	47.12
		For >25 To 50, Deduct	*-23.01*	
		For >50 To 100, Deduct	*-47.43*	
		For >100, Deduct	*-71.86*	
10 51 13 00-0070	EA	18" x 21" x 60" Two Tier Athletic Locker	576.80	47.12
		For >25 To 50, Deduct	*-24.13*	
		For >50 To 100, Deduct	*-49.67*	
		For >100, Deduct	*-75.21*	
10 51 13 00-0071	EA	18" x 24" x 60" Two Tier Athletic Locker	676.62	47.12
		For >25 To 50, Deduct	*-29.12*	
		For >50 To 100, Deduct	*-59.65*	
		For >100, Deduct	*-90.18*	
10 51 13 00-0072	EA	12" x 12" x 72" Two Tier Athletic Locker	502.54	47.12
		For >25 To 50, Deduct	*-20.42*	
		For >50 To 100, Deduct	*-42.24*	
		For >100, Deduct	*-64.07*	
10 51 13 00-0073	EA	12" x 15" x 72" Two Tier Athletic Locker	518.34	47.12
		For >25 To 50, Deduct	*-21.21*	
		For >50 To 100, Deduct	*-43.82*	
		For >100, Deduct	*-66.44*	
10 51 13 00-0074	EA	12" x 18" x 72" Two Tier Athletic Locker	539.88	47.12
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-45.98*	
		For >100, Deduct	*-69.67*	
10 51 13 00-0075	EA	15" x 15" x 72" Two Tier Athletic Locker	543.15	47.12
		For >25 To 50, Deduct	*-22.45*	
		For >50 To 100, Deduct	*-46.30*	
		For >100, Deduct	*-70.16*	
10 51 13 00-0076	EA	15" x 18" x 72" Two Tier Athletic Locker	560.85	47.12
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-48.07*	
		For >100, Deduct	*-72.82*	
10 51 13 00-0077	EA	18" x 18" x 72" Two Tier Athletic Locker	582.60	47.12
		For >25 To 50, Deduct	*-24.42*	
		For >50 To 100, Deduct	*-50.25*	
		For >100, Deduct	*-76.08*	
10 51 13 00-0078	EA	18" x 21" x 72" Two Tier Athletic Locker	631.40	47.12
		For >25 To 50, Deduct	*-26.86*	
		For >50 To 100, Deduct	*-55.13*	
		For >100, Deduct	*-83.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0079	EA	18" x 24" x 72" Two Tier Athletic Locker	708.98	47.12
		For >25 To 50, Deduct	*-30.74*	
		For >50 To 100, Deduct	*-62.89*	
		For >100, Deduct	*-95.04*	
10 51 13 00-0080		**Three Tier Athletic Locker** *(10 51 13 00-0047)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0081	EA	12" x 12" x 60" Three Tier Athletic Locker	525.86	48.55
		For >25 To 50, Deduct	*-21.44*	
		For >50 To 100, Deduct	*-44.33*	
		For >100, Deduct	*-67.23*	
10 51 13 00-0082	EA	12" x 15" x 60" Three Tier Athletic Locker	550.86	48.55
		For >25 To 50, Deduct	*-22.69*	
		For >50 To 100, Deduct	*-46.83*	
		For >100, Deduct	*-70.98*	
10 51 13 00-0083	EA	12" x 18" x 60" Three Tier Athletic Locker	572.97	48.55
		For >25 To 50, Deduct	*-23.79*	
		For >50 To 100, Deduct	*-49.04*	
		For >100, Deduct	*-74.29*	
10 51 13 00-0084	EA	15" x 15" x 60" Three Tier Athletic Locker	587.98	48.55
		For >25 To 50, Deduct	*-24.54*	
		For >50 To 100, Deduct	*-50.54*	
		For >100, Deduct	*-76.55*	
10 51 13 00-0085	EA	15" x 18" x 60" Three Tier Athletic Locker	612.98	48.55
		For >25 To 50, Deduct	*-25.79*	
		For >50 To 100, Deduct	*-53.04*	
		For >100, Deduct	*-80.30*	
10 51 13 00-0086	EA	12" x 12" x 72" Three Tier Athletic Locker	554.34	48.55
		For >25 To 50, Deduct	*-22.86*	
		For >50 To 100, Deduct	*-47.18*	
		For >100, Deduct	*-71.50*	
10 51 13 00-0087	EA	12" x 15" x 72" Three Tier Athletic Locker	576.92	48.55
		For >25 To 50, Deduct	*-23.99*	
		For >50 To 100, Deduct	*-49.44*	
		For >100, Deduct	*-74.89*	
10 51 13 00-0088	EA	12" x 18" x 72" Three Tier Athletic Locker	608.08	48.55
		For >25 To 50, Deduct	*-25.55*	
		For >50 To 100, Deduct	*-52.55*	
		For >100, Deduct	*-79.56*	
10 51 13 00-0089	EA	15" x 15" x 72" Three Tier Athletic Locker	624.03	48.55
		For >25 To 50, Deduct	*-26.35*	
		For >50 To 100, Deduct	*-54.15*	
		For >100, Deduct	*-81.95*	
10 51 13 00-0090	EA	15" x 18" x 72" Three Tier Athletic Locker	647.96	48.55
		For >25 To 50, Deduct	*-27.54*	
		For >50 To 100, Deduct	*-56.54*	
		For >100, Deduct	*-85.54*	
10 51 13 00-0091		**Four Tier Athletic Locker** *(10 51 13 00-0047)*		
10 51 13 00-0092	EA	12" x 12" x 60" Four Tier Athletic Locker	486.07	49.97
		For >25 To 50, Deduct	*-19.31*	
		For >50 To 100, Deduct	*-40.11*	
		For >100, Deduct	*-60.92*	
10 51 13 00-0093	EA	12" x 15" x 60" Four Tier Athletic Locker	516.69	49.97
		For >25 To 50, Deduct	*-20.84*	
		For >50 To 100, Deduct	*-43.17*	
		For >100, Deduct	*-65.51*	
10 51 13 00-0094	EA	12" x 18" x 60" Four Tier Athletic Locker	547.32	49.97
		For >25 To 50, Deduct	*-22.37*	
		For >50 To 100, Deduct	*-46.24*	
		For >100, Deduct	*-70.10*	
10 51 13 00-0095	EA	15" x 15" x 60" Four Tier Athletic Locker	559.83	49.97
		For >25 To 50, Deduct	*-22.99*	
		For >50 To 100, Deduct	*-47.49*	
		For >100, Deduct	*-71.98*	
10 51 13 00-0096	EA	15" x 18" x 60" Four Tier Athletic Locker	610.13	49.97
		For >25 To 50, Deduct	*-25.51*	
		For >50 To 100, Deduct	*-52.52*	
		For >100, Deduct	*-79.52*	
10 51 13 00-0097	EA	12" x 12" x 72" Four Tier Athletic Locker	517.23	49.97
		For >25 To 50, Deduct	*-20.86*	
		For >50 To 100, Deduct	*-43.23*	
		For >100, Deduct	*-65.59*	
10 51 13 00-0098	EA	12" x 15" x 72" Four Tier Athletic Locker	548.29	49.97
		For >25 To 50, Deduct	*-22.42*	
		For >50 To 100, Deduct	*-46.33*	
		For >100, Deduct	*-70.25*	
10 51 13 00-0099	EA	12" x 18" x 72" Four Tier Athletic Locker	579.35	49.97
		For >25 To 50, Deduct	*-23.97*	
		For >50 To 100, Deduct	*-49.44*	
		For >100, Deduct	*-74.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0100	EA	15" x 15" x 72" Four Tier Athletic Locker	595.25	49.97
		For >25 To 50, Deduct	*-24.76*	
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-77.29*	
10 51 13 00-0101	EA	15" x 18" x 72" Four Tier Athletic Locker	607.19	49.97
		For >25 To 50, Deduct	*-25.36*	
		For >50 To 100, Deduct	*-52.22*	
		For >100, Deduct	*-79.08*	

10 51 13 00-0102 Six Tier Athletic Locker *(10 51 13 00-0047)*

10 51 13 00-0103	EA	12" x 12" x 72" Six Tier Athletic Locker	572.32	51.40
		For >25 To 50, Deduct	*-23.48*	
		For >50 To 100, Deduct	*-48.49*	
		For >100, Deduct	*-73.51*	
10 51 13 00-0104	EA	12" x 15" x 72" Six Tier Athletic Locker	596.18	51.40
		For >25 To 50, Deduct	*-24.67*	
		For >50 To 100, Deduct	*-50.88*	
		For >100, Deduct	*-77.09*	
10 51 13 00-0105	EA	12" x 18" x 72" Six Tier Athletic Locker	620.00	51.40
		For >25 To 50, Deduct	*-25.86*	
		For >50 To 100, Deduct	*-53.26*	
		For >100, Deduct	*-80.66*	
10 51 13 00-0106	EA	12" x 21" x 72" Six Tier Athletic Locker	706.93	51.40
		For >25 To 50, Deduct	*-30.21*	
		For >50 To 100, Deduct	*-61.95*	
		For >100, Deduct	*-93.70*	

10 51 13 00-0107 Open Front, All-Welded Steel Stadium Lockers *(10 51 13)*

Note: 16 gauge perforated with diamond-shaped holes sides, 18 gauge solid back, 16 gauge top, bottom, front frame and shelf. The gauge of the optional foot locker seat and security box door is 14 GA.

10 51 13 00-0108	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD01) Note: Includes shelf and 4" high integral base.	377.93	27.49
		For >25 To 50, Deduct	*-16.93*	
		For >50 To 100, Deduct	*-34.46*	
		For >100, Deduct	*-51.98*	
10 51 13 00-0109	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD10) Note: Includes shelf and 4" high integral base.	405.83	29.98
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-36.94*	
		For >100, Deduct	*-55.73*	
10 51 13 00-0110	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD20) Note: Includes shelf and 4" high integral base.	423.91	29.98
		For >25 To 50, Deduct	*-19.05*	
		For >50 To 100, Deduct	*-38.75*	
		For >100, Deduct	*-58.45*	
10 51 13 00-0111	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD30) Note: Includes shelf and 4" high integral base.	440.49	29.98
		For >25 To 50, Deduct	*-19.88*	
		For >50 To 100, Deduct	*-40.41*	
		For >100, Deduct	*-60.93*	
10 51 13 00-0112	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD40) Note: Includes shelf and 4" high integral base.	416.02	34.55
		For >25 To 50, Deduct	*-18.34*	
		For >50 To 100, Deduct	*-37.41*	
		For >100, Deduct	*-56.49*	
10 51 13 00-0113	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD50) Note: Includes shelf and 4" high integral base.	448.08	34.55
		For >25 To 50, Deduct	*-19.94*	
		For >50 To 100, Deduct	*-40.62*	
		For >100, Deduct	*-61.30*	
10 51 13 00-0114	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD60) Note: Includes shelf and 4" high integral base.	462.29	34.55
		For >25 To 50, Deduct	*-20.65*	
		For >50 To 100, Deduct	*-42.04*	
		For >100, Deduct	*-63.43*	
10 51 13 00-0115	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD09) Note: Includes shelf, security box and 4" high integral base.	389.93	27.49
		For >25 To 50, Deduct	*-17.53*	
		For >50 To 100, Deduct	*-35.66*	
		For >100, Deduct	*-53.78*	
10 51 13 00-0116	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD11) Note: Includes shelf, security box and 4" high integral base.	443.65	29.98
		For >25 To 50, Deduct	*-20.04*	
		For >50 To 100, Deduct	*-40.72*	
		For >100, Deduct	*-61.41*	
10 51 13 00-0117	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD21) Note: Includes shelf, security box and 4" high integral base.	464.44	29.98
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-42.80*	
		For >100, Deduct	*-64.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0118	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD31) Note: Includes shelf, security box and 4" high integral base.	473.70	29.98
		For >25 To 50, Deduct	*-21.54*	
		For >50 To 100, Deduct	*-43.73*	
		For >100, Deduct	*-65.91*	
10 51 13 00-0119	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD41) Note: Includes shelf, security box and 4" high integral base.	456.56	34.55
		For >25 To 50, Deduct	*-20.37*	
		For >50 To 100, Deduct	*-41.47*	
		For >100, Deduct	*-62.57*	
10 51 13 00-0120	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD51) Note: Includes shelf, security box and 4" high integral base.	488.65	34.55
		For >25 To 50, Deduct	*-21.97*	
		For >50 To 100, Deduct	*-44.68*	
		For >100, Deduct	*-67.39*	
10 51 13 00-0121	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD61) Note: Includes shelf, security box and 4" high integral base.	498.12	34.55
		For >25 To 50, Deduct	*-22.44*	
		For >50 To 100, Deduct	*-45.62*	
		For >100, Deduct	*-68.81*	
10 51 13 00-0122	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD02) Note: Includes shelf, foot locker and 4" high integral base.	464.81	27.49
		For >25 To 50, Deduct	*-21.28*	
		For >50 To 100, Deduct	*-43.14*	
		For >100, Deduct	*-65.01*	
10 51 13 00-0123	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD12) Note: Includes shelf, foot locker and 4" high integral base.	494.36	29.98
		For >25 To 50, Deduct	*-22.58*	
		For >50 To 100, Deduct	*-45.79*	
		For >100, Deduct	*-69.01*	
10 51 13 00-0124	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD22) Note: Includes shelf, foot locker and 4" high integral base.	519.70	29.98
		For >25 To 50, Deduct	*-23.84*	
		For >50 To 100, Deduct	*-48.33*	
		For >100, Deduct	*-72.81*	
10 51 13 00-0125	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD32) Note: Includes shelf, foot locker and 4" high integral base.	524.51	29.98
		For >25 To 50, Deduct	*-24.08*	
		For >50 To 100, Deduct	*-48.81*	
		For >100, Deduct	*-73.54*	
10 51 13 00-0126	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD42) Note: Includes shelf, foot locker and 4" high integral base.	581.18	34.55
		For >25 To 50, Deduct	*-26.60*	
		For >50 To 100, Deduct	*-53.93*	
		For >100, Deduct	*-81.27*	
10 51 13 00-0127	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD52) Note: Includes shelf, foot locker and 4" high integral base.	597.15	34.55
		For >25 To 50, Deduct	*-27.39*	
		For >50 To 100, Deduct	*-55.53*	
		For >100, Deduct	*-83.66*	
10 51 13 00-0128	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD62) Note: Includes shelf, foot locker and 4" high integral base.	614.64	34.55
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-57.28*	
		For >100, Deduct	*-86.28*	
10 51 13 00-0129	EA	18" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD03) Note: Includes shelf, foot locker, security box and 4" high integral base.	503.65	27.49
		For >25 To 50, Deduct	*-23.22*	
		For >50 To 100, Deduct	*-47.03*	
		For >100, Deduct	*-70.84*	
10 51 13 00-0130	EA	24" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD13) Note: Includes shelf, foot locker, security box and 4" high integral base.	544.40	29.98
		For >25 To 50, Deduct	*-25.08*	
		For >50 To 100, Deduct	*-50.80*	
		For >100, Deduct	*-76.52*	
10 51 13 00-0131	EA	24" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD23) Note: Includes shelf, foot locker, security box and 4" high integral base.	554.26	29.98
		For >25 To 50, Deduct	*-25.57*	
		For >50 To 100, Deduct	*-51.78*	
		For >100, Deduct	*-78.00*	
10 51 13 00-0132	EA	24" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD33) Note: Includes shelf, foot locker, security box and 4" high integral base.	578.23	29.98
		For >25 To 50, Deduct	*-26.77*	
		For >50 To 100, Deduct	*-54.18*	
		For >100, Deduct	*-81.59*	
10 51 13 00-0133	EA	33" x 18" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD43) Note: Includes shelf, foot locker, security box and 4" high integral base.	753.71	34.55
		For >25 To 50, Deduct	*-35.22*	
		For >50 To 100, Deduct	*-71.18*	
		For >100, Deduct	*-107.15*	
10 51 13 00-0134	EA	33" x 21" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD53) Note: Includes shelf, foot locker, security box and 4" high integral base.	765.86	34.55
		For >25 To 50, Deduct	*-35.83*	
		For >50 To 100, Deduct	*-72.40*	
		For >100, Deduct	*-108.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0135	EA	33" x 24" x 76" Open Front, All-Welded Steel Stadium Locker (Penco 6WFD63)	778.03	34.55
		Note: Includes shelf, foot locker, security box and 4" high integral base.		
		For >25 To 50, Deduct	*-36.44*	
		For >50 To 100, Deduct	*-73.62*	
		For >100, Deduct	*-110.79*	
10 51 13 00-0136		Metal Locker Accessories *(10 51 13)*		
10 51 13 00-0137		Locker Slope Tops *(10 51 13 00-0136)*		
10 51 13 00-0138		16 Gauge Continuous Sloping Hood *(10 51 13 00-0137)*		
10 51 13 00-0139	LF	12" Deep, 16 Gauge Continuous Slope Top	36.87	5.71
10 51 13 00-0140	LF	15" Deep, 16 Gauge Continuous Slope Top	31.44	5.71
10 51 13 00-0141	LF	18" Deep, 16 Gauge Continuous Slope Top	42.43	5.71
10 51 13 00-0142	LF	21" Deep, 16 Gauge Continuous Slope Top	46.66	5.71
10 51 13 00-0143	LF	24" Deep, 16 Gauge Continuous Slope Top	48.64	5.71
10 51 13 00-0144		16 Gauge Slope Top Corner Fillers *(10 51 13 00-0137)*		
10 51 13 00-0145	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	145.97	5.71
10 51 13 00-0146	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	149.06	5.71
10 51 13 00-0147	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	152.12	5.71
10 51 13 00-0148	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	155.84	5.71
10 51 13 00-0149	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	159.52	5.71
10 51 13 00-0150		20 Gauge Individual Slope Top *(10 51 13 00-0137)*		
10 51 13 00-0151	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	31.98	5.71
10 51 13 00-0152	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	31.78	5.71
10 51 13 00-0153	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	35.12	5.71
10 51 13 00-0154	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	35.12	5.71
10 51 13 00-0155	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	35.92	5.71
10 51 13 00-0156	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	39.08	5.71
10 51 13 00-0157	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	39.08	5.71
10 51 13 00-0158	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	43.24	5.71
10 51 13 00-0159	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	48.19	5.71
10 51 13 00-0160		Continuous Slope Top End Closures *(10 51 13 00-0137)*		
10 51 13 00-0161	PR	12" Deep, Continuous Slope Top End Closures	33.95	5.71
10 51 13 00-0162	PR	15" Deep, Continuous Slope Top End Closures	29.17	5.71
10 51 13 00-0163	PR	18" Deep, Continuous Slope Top End Closures	37.89	5.71
10 51 13 00-0164	PR	21" Deep, Continuous Slope Top End Closures	39.87	5.71
10 51 13 00-0165	PR	24" Deep, Continuous Slope Top End Closures	41.23	5.71
10 51 13 00-0166		Individual Slope Top End Closures *(10 51 13 00-0137)*		
10 51 13 00-0167	EA	12" Deep, Individual Slope Top End Closures	22.69	5.71
10 51 13 00-0168	EA	15" Deep, Individual Slope Top End Closures	23.31	5.71
10 51 13 00-0169	EA	18" Deep, Individual Slope Top End Closures	24.68	5.71
10 51 13 00-0170	EA	21" Deep, Individual Slope Top End Closures	25.63	5.71
10 51 13 00-0171	EA	24" Deep, Individual Slope Top End Closures	35.38	5.71
10 51 13 00-0172		Locker Base *(10 51 13 00-0136)*		
10 51 13 00-0173		Closed Front Base *(10 51 13 00-0172)*		
10 51 13 00-0174	EA	12" Wide, 6" High Closed Front Base	23.74	5.71
10 51 13 00-0175	EA	15" Wide, 6" High Closed Front Base	24.78	5.71
10 51 13 00-0176	EA	18" Wide, 6" High Closed Front Base	26.93	5.71
10 51 13 00-0177	EA	24" Wide, 6" High Closed Front Base	27.96	5.71
10 51 13 00-0178		Closed End Base *(10 51 13 00-0172)*		
10 51 13 00-0179	EA	12" Deep, 6" High Closed End Base	26.61	5.71
10 51 13 00-0180	EA	15" Deep, 6" High Closed End Base	26.79	5.71
10 51 13 00-0181	EA	18" Deep, 6" High Closed End Base	28.18	5.71
10 51 13 00-0182	EA	21" Deep, 6" High Closed End Base	29.55	5.71
10 51 13 00-0183	EA	24" Deep, 6" High Closed End Base	31.42	5.71
10 51 13 00-0184		Recessed Continuous Front "Z" Base *(10 51 13 00-0172)*		
10 51 13 00-0185	LF	4" High Recessed Continuous Front "Z" Base	27.29	4.28
10 51 13 00-0186		"Z" Base Ends Or Splice *(10 51 13 00-0172)*		
10 51 13 00-0187	EA	12" Wide, 4" High Z-Base Ends Or Splice	27.72	5.71
10 51 13 00-0188	EA	15" Wide, 4" High Z-Base Ends Or Splice	31.78	5.71
10 51 13 00-0189	EA	18" Wide, 4" High Z-Base Ends Or Splice	35.92	5.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0190	EA	21" Wide, 4" High Z-Base Ends Or Splice	40.27	5.71
10 51 13 00-0191	EA	24" Wide, 4" High Z-Base Ends Or Splice	44.61	5.71
10 51 13 00-0192		**Locker Front Fillers And End Panels** *(10 51 13 00-0136)*		
10 51 13 00-0193		**Locker Front Fillers** *(10 51 13 00-0192)*		
10 51 13 00-0194	EA	6" Wide x 48" High, 16 Gauge Front Filler	36.00	7.14
10 51 13 00-0195	EA	12" Wide x 48" High, 16 Gauge Front Filler	56.73	7.14
10 51 13 00-0196	EA	6" Wide x 60" High, 16 Gauge Front Filler	44.51	7.14
10 51 13 00-0197	EA	12" Wide x 60" High, 16 Gauge Front Filler	67.35	7.14
10 51 13 00-0198	EA	6" Wide x 66" High, 16 Gauge Front Filler	48.23	7.14
10 51 13 00-0199	EA	12" Wide x 66" High, 16 Gauge Front Filler	53.88	7.14
10 51 13 00-0200	EA	6" Wide x 72" High, 16 Gauge Front Filler	52.55	7.14
10 51 13 00-0201	EA	12" Wide x 72" High, 16 Gauge Front Filler	73.52	7.14
10 51 13 00-0202	EA	6" Wide x 78" High, 16 Gauge Front Filler	53.74	7.14
10 51 13 00-0203	EA	12" Wide x 78" High, 16 Gauge Front Filler	62.22	7.14
10 51 13 00-0204		**Locker End Panels** *(10 51 13 00-0192)*		
10 51 13 00-0205	EA	12" Deep x 48" High, 16 Gauge End Panel	57.14	5.71
10 51 13 00-0206	EA	15" Deep x 48" High, 16 Gauge End Panel	69.33	5.71
10 51 13 00-0207	EA	18" Deep x 48" High, 16 Gauge End Panel	81.07	5.71
10 51 13 00-0208	EA	12" Deep x 60" High, 16 Gauge End Panel	67.13	5.71
10 51 13 00-0209	EA	15" Deep x 60" High, 16 Gauge End Panel	75.88	5.71
10 51 13 00-0210	EA	18" Deep x 60" High, 16 Gauge End Panel	89.64	5.71
10 51 13 00-0211	EA	12" Deep x 72" High, 16 Gauge End Panel	78.76	5.71
10 51 13 00-0212	EA	15" Deep x 72" High, 16 Gauge End Panel	89.40	5.71
10 51 13 00-0213	EA	18" Deep x 72" High, 16 Gauge End Panel	103.57	5.71
10 51 13 00-0214	EA	21" Deep x 72" High, 16 Gauge End Panel	118.94	5.71
10 51 13 00-0215		**Locker Recessed Trim** *(10 51 13 00-0136)*		
10 51 13 00-0216	LF	3" Height, Top Trim For Recessed Lockers	12.33	2.85
10 51 13 00-0217	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	33.31	5.71
10 51 13 00-0218	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	49.72	5.71
10 51 13 00-0219	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	51.45	5.71
10 51 13 00-0220	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	53.18	5.71
10 51 13 00-0221	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	54.69	5.71
10 51 13 00-0222		**Locker Interior Accessories** *(10 51 13 00-0136)*		
10 51 13 00-0223		**Locker Coat Rods** *(10 51 13 00-0222)*		
10 51 13 00-0224	EA	12" Wide Coat Rod	18.88	5.71
10 51 13 00-0225	EA	15" Wide Coat Rod	20.49	5.71
10 51 13 00-0226	EA	18" Wide Coat Rod	21.92	5.71
10 51 13 00-0227	EA	24" Wide Coat Rod	23.18	5.71
10 51 13 00-0228		**Locker Hat Shelf** *(10 51 13 00-0222)*		
10 51 13 00-0229	EA	12" Wide Hat Shelf	22.27	5.71
10 51 13 00-0230	EA	15" Wide Hat Shelf	25.75	5.71
10 51 13 00-0231	EA	18" Wide Hat Shelf	27.22	5.71
10 51 13 00-0232	EA	24" Wide Hat Shelf	33.03	5.71
10 51 13 00-0233		**Locker ADA Compliant Shelf** *(10 51 13 00-0222)*		
10 51 13 00-0234	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	42.49	7.14
10 51 13 00-0235		**Other Interior Locker Accessories** *(10 51 13 00-0222)*		
10 51 13 00-0236	EA	3" x 10" Bent Plate Shoe Rack	54.83	5.71
10 51 13 00-0237	EA	8" x 10" Mirror	43.98	5.71
10 51 13 00-0238	EA	Additional Hook	14.14	5.71
10 51 13 00-0239		**Locker Locks** *(10 51 13 00-0136)*		
10 51 13 00-0240	EA	Built In Combination Lock	48.03	5.71
10 51 13 00-0241		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0242	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,188.99	107.09
10 51 13 00-0243	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,876.99	107.09
10 51 13 00-0244		**All-Welded Steel Lockers** *(10 51 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0245		**All-Welded Steel Lockers** *(10 51 13 00-0244)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0246		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0245)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0247	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	221.23	24.99
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.09*	
		For >100, Deduct	*-28.90*	
10 51 13 00-0248	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	232.19	24.99
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-20.18*	
		For >100, Deduct	*-30.54*	
10 51 13 00-0249	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	242.73	24.99
		For >25 To 50, Deduct	*-10.35*	
		For >50 To 100, Deduct	*-21.24*	
		For >100, Deduct	*-32.13*	
10 51 13 00-0250	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	230.28	24.99
		For >25 To 50, Deduct	*-9.73*	
		For >50 To 100, Deduct	*-19.99*	
		For >100, Deduct	*-30.26*	
10 51 13 00-0251	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	240.82	24.99
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-21.05*	
		For >100, Deduct	*-31.84*	
10 51 13 00-0252	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	251.36	24.99
		For >25 To 50, Deduct	*-10.78*	
		For >50 To 100, Deduct	*-22.10*	
		For >100, Deduct	*-33.42*	
10 51 13 00-0253	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	243.60	27.49
		For >25 To 50, Deduct	*-10.22*	
		For >50 To 100, Deduct	*-21.02*	
		For >100, Deduct	*-31.83*	
10 51 13 00-0254	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	253.36	27.49
		For >25 To 50, Deduct	*-10.70*	
		For >50 To 100, Deduct	*-22.00*	
		For >100, Deduct	*-33.29*	
10 51 13 00-0255	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	263.90	27.49
		For >25 To 50, Deduct	*-11.23*	
		For >50 To 100, Deduct	*-23.05*	
		For >100, Deduct	*-34.87*	
10 51 13 00-0256	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	273.76	27.49
		For >25 To 50, Deduct	*-11.72*	
		For >50 To 100, Deduct	*-24.04*	
		For >100, Deduct	*-36.35*	
10 51 13 00-0257	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	281.88	27.49
		For >25 To 50, Deduct	*-12.13*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-37.57*	
10 51 13 00-0258	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	293.09	27.49
		For >25 To 50, Deduct	*-12.69*	
		For >50 To 100, Deduct	*-25.97*	
		For >100, Deduct	*-39.25*	
10 51 13 00-0259	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	305.70	27.49
		For >25 To 50, Deduct	*-13.32*	
		For >50 To 100, Deduct	*-27.23*	
		For >100, Deduct	*-41.14*	
10 51 13 00-0260	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	495.56	27.49
		For >25 To 50, Deduct	*-22.81*	
		For >50 To 100, Deduct	*-46.22*	
		For >100, Deduct	*-69.62*	
10 51 13 00-0261		**Two Tier, All-Welded Steel Lockers** *(10 51 13 00-0245)* Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0262	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	264.45	24.99
		For >25 To 50, Deduct	*-11.44*	
		For >50 To 100, Deduct	*-23.41*	
		For >100, Deduct	*-35.38*	
10 51 13 00-0263	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	269.30	24.99
		For >25 To 50, Deduct	*-11.68*	
		For >50 To 100, Deduct	*-23.90*	
		For >100, Deduct	*-36.11*	
10 51 13 00-0264	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	282.28	24.99
		For >25 To 50, Deduct	*-12.33*	
		For >50 To 100, Deduct	*-25.19*	
		For >100, Deduct	*-38.06*	
10 51 13 00-0265	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	276.10	27.49
		For >25 To 50, Deduct	*-11.84*	
		For >50 To 100, Deduct	*-24.27*	
		For >100, Deduct	*-36.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0266	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	294.00	27.49
		For >25 To 50, Deduct	*-12.74*	
		For >50 To 100, Deduct	*-26.06*	
		For >100, Deduct	*-39.39*	
10 51 13 00-0267	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	303.76	27.49
		For >25 To 50, Deduct	*-13.22*	
		For >50 To 100, Deduct	*-27.04*	
		For >100, Deduct	*-40.85*	
10 51 13 00-0268	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	317.67	27.49
		For >25 To 50, Deduct	*-13.92*	
		For >50 To 100, Deduct	*-28.43*	
		For >100, Deduct	*-42.94*	
10 51 13 00-0269	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	324.21	27.49
		For >25 To 50, Deduct	*-14.25*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-43.92*	
10 51 13 00-0270	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	343.08	27.49
		For >25 To 50, Deduct	*-15.19*	
		For >50 To 100, Deduct	*-30.97*	
		For >100, Deduct	*-46.75*	
10 51 13 00-0271	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	357.70	27.49
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-32.43*	
		For >100, Deduct	*-48.94*	

10 51 13 00-0272 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0245)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0273	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	326.53	27.49
		For >25 To 50, Deduct	*-14.36*	
		For >50 To 100, Deduct	*-29.32*	
		For >100, Deduct	*-44.27*	
10 51 13 00-0274	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	333.86	27.49
		For >25 To 50, Deduct	*-14.73*	
		For >50 To 100, Deduct	*-30.05*	
		For >100, Deduct	*-45.37*	
10 51 13 00-0275	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	341.15	27.49
		For >25 To 50, Deduct	*-15.09*	
		For >50 To 100, Deduct	*-30.78*	
		For >100, Deduct	*-46.46*	
10 51 13 00-0276	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	358.40	27.49
		For >25 To 50, Deduct	*-15.96*	
		For >50 To 100, Deduct	*-32.50*	
		For >100, Deduct	*-49.05*	
10 51 13 00-0277	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	361.58	27.49
		For >25 To 50, Deduct	*-16.12*	
		For >50 To 100, Deduct	*-32.82*	
		For >100, Deduct	*-49.52*	

10 51 13 00-0278 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0245)*

10 51 13 00-0279	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	309.13	27.49
		For >25 To 50, Deduct	*-13.49*	
		For >50 To 100, Deduct	*-27.58*	
		For >100, Deduct	*-41.66*	
10 51 13 00-0280	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	316.06	27.49
		For >25 To 50, Deduct	*-13.84*	
		For >50 To 100, Deduct	*-28.27*	
		For >100, Deduct	*-42.70*	
10 51 13 00-0281	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	322.94	27.49
		For >25 To 50, Deduct	*-14.18*	
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-43.73*	
10 51 13 00-0282	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	339.17	27.49
		For >25 To 50, Deduct	*-15.00*	
		For >50 To 100, Deduct	*-30.58*	
		For >100, Deduct	*-46.16*	
10 51 13 00-0283	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	342.12	27.49
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-30.87*	
		For >100, Deduct	*-46.61*	

10 51 13 00-0284 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0245)*

10 51 13 00-0285	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	319.91	27.49
		For >25 To 50, Deduct	*-14.03*	
		For >50 To 100, Deduct	*-28.65*	
		For >100, Deduct	*-43.27*	
10 51 13 00-0286	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	330.02	27.49
		For >25 To 50, Deduct	*-14.54*	
		For >50 To 100, Deduct	*-29.66*	
		For >100, Deduct	*-44.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0287	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	337.45	27.49
		For >25 To 50, Deduct	*-14.91*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-45.91*	

10 51 13 00-0288 All Welded Locker Accessories *(10 51 13 00-0244)*

10 51 13 00-0289	EA	ADA Requirements For All Welded Lockers	135.20	
10 51 13 00-0290	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	220.03	5.71
10 51 13 00-0291	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	254.80	5.71
10 51 13 00-0292	EA	Recessed Trim For All Welded Lockers	155.65	5.71
10 51 13 00-0293	EA	Built In Combination Lock For All Welded Lockers	48.03	5.71
10 51 13 00-0294	EA	Pad Lock For All Welded Lockers	43.62	5.71

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	579.91	44.26
		For >50 To 100, Deduct	*-49.14*	
		For >100, Deduct	*-76.36*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	589.78	44.26
		For >50 To 100, Deduct	*-50.13*	
		For >100, Deduct	*-77.84*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	599.64	44.26
		For >50 To 100, Deduct	*-51.11*	
		For >100, Deduct	*-79.32*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	614.42	44.26
		For >50 To 100, Deduct	*-52.59*	
		For >100, Deduct	*-81.54*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	598.78	44.26
		For >50 To 100, Deduct	*-51.03*	
		For >100, Deduct	*-79.19*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	602.93	44.26
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-79.82*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	595.64	44.26
		For >50 To 100, Deduct	*-50.71*	
		For >100, Deduct	*-78.72*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	636.34	44.26
		For >50 To 100, Deduct	*-54.78*	
		For >100, Deduct	*-84.83*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	626.95	44.26
		For >50 To 100, Deduct	*-53.84*	
		For >100, Deduct	*-83.42*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	637.90	44.26
		For >50 To 100, Deduct	*-54.94*	
		For >100, Deduct	*-85.06*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	648.86	44.26
		For >50 To 100, Deduct	*-56.03*	
		For >100, Deduct	*-86.71*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	673.91	44.26
		For >50 To 100, Deduct	*-58.54*	
		For >100, Deduct	*-90.46*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	708.34	44.26
		For >50 To 100, Deduct	*-61.98*	
		For >100, Deduct	*-95.63*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	677.03	44.26
		For >50 To 100, Deduct	*-58.85*	
		For >100, Deduct	*-90.93*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	733.37	44.26
		For >50 To 100, Deduct	*-64.48*	
		For >100, Deduct	*-99.38*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	631.32	44.26
		For >50 To 100, Deduct	*-54.28*	
		For >100, Deduct	*-84.07*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	663.42	44.26
		For >50 To 100, Deduct	*-57.49*	
		For >100, Deduct	*-88.89*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	695.55	44.26
		For >50 To 100, Deduct	*-60.70*	
		For >100, Deduct	*-93.71*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	672.02	44.26
		For >50 To 100, Deduct	*-58.35*	
		For >100, Deduct	*-90.18*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	706.06	44.26
		For >50 To 100, Deduct	*-61.75*	
		For >100, Deduct	*-95.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	740.11	44.26
		For >50 To 100, Deduct	*-65.16*	
		For >100, Deduct	*-100.39*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	712.73	44.26
		For >50 To 100, Deduct	*-62.42*	
		For >100, Deduct	*-96.29*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	748.71	44.26
		For >50 To 100, Deduct	*-66.02*	
		For >100, Deduct	*-101.68*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	719.45	45.69
		For >50 To 100, Deduct	*-62.81*	
		For >100, Deduct	*-96.95*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	755.45	45.69
		For >50 To 100, Deduct	*-66.41*	
		For >100, Deduct	*-102.35*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	791.41	45.69
		For >50 To 100, Deduct	*-70.00*	
		For >100, Deduct	*-107.75*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	766.17	45.69
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-103.96*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	804.14	45.69
		For >50 To 100, Deduct	*-71.28*	
		For >100, Deduct	*-109.66*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	842.06	45.69
		For >50 To 100, Deduct	*-75.07*	
		For >100, Deduct	*-115.34*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	803.41	45.69
		For >50 To 100, Deduct	*-71.20*	
		For >100, Deduct	*-109.55*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	852.78	45.69
		For >50 To 100, Deduct	*-76.14*	
		For >100, Deduct	*-116.95*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	892.65	45.69
		For >50 To 100, Deduct	*-80.13*	
		For >100, Deduct	*-122.93*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	648.58	45.69
		For >50 To 100, Deduct	*-55.72*	
		For >100, Deduct	*-86.32*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	657.97	45.69
		For >50 To 100, Deduct	*-56.66*	
		For >100, Deduct	*-87.73*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	672.05	45.69
		For >50 To 100, Deduct	*-58.07*	
		For >100, Deduct	*-89.84*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	667.36	45.69
		For >50 To 100, Deduct	*-57.60*	
		For >100, Deduct	*-89.14*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	692.41	45.69
		For >50 To 100, Deduct	*-60.10*	
		For >100, Deduct	*-92.90*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	751.88	45.69
		For >50 To 100, Deduct	*-66.05*	
		For >100, Deduct	*-101.82*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	673.63	45.69
		For >50 To 100, Deduct	*-58.23*	
		For >100, Deduct	*-90.08*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	703.92	45.69
		For >50 To 100, Deduct	*-61.25*	
		For >100, Deduct	*-94.62*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	758.15	45.69
		For >50 To 100, Deduct	*-66.68*	
		For >100, Deduct	*-102.76*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	670.12	45.69
		For >50 To 100, Deduct	*-57.87*	
		For >100, Deduct	*-89.55*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	719.15	45.69
		For >50 To 100, Deduct	*-62.78*	
		For >100, Deduct	*-96.91*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	733.16	45.69
		For >50 To 100, Deduct	*-64.18*	
		For >100, Deduct	*-99.01*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	727.34	45.69
		For >50 To 100, Deduct	*-63.60*	
		For >100, Deduct	*-98.14*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	759.84	45.69
		For >50 To 100, Deduct	*-66.85*	
		For >100, Deduct	*-103.01*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	766.19	45.69
		For >50 To 100, Deduct	*-67.48*	
		For >100, Deduct	*-103.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	800.54	45.69
		For >50 To 100, Deduct	*-70.92*	
		For >100, Deduct	*-109.12*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	834.90	45.69
		For >50 To 100, Deduct	*-74.35*	
		For >100, Deduct	*-114.27*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	772.75	47.12
		For >50 To 100, Deduct	*-67.85*	
		For >100, Deduct	*-104.60*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	807.10	47.12
		For >50 To 100, Deduct	*-71.29*	
		For >100, Deduct	*-109.76*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	825.01	47.12
		For >50 To 100, Deduct	*-73.08*	
		For >100, Deduct	*-112.44*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	817.35	47.12
		For >50 To 100, Deduct	*-72.31*	
		For >100, Deduct	*-111.29*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	853.58	47.12
		For >50 To 100, Deduct	*-75.93*	
		For >100, Deduct	*-116.73*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	889.80	47.12
		For >50 To 100, Deduct	*-79.56*	
		For >100, Deduct	*-122.16*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	823.83	47.12
		For >50 To 100, Deduct	*-72.96*	
		For >100, Deduct	*-112.27*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	900.02	47.12
		For >50 To 100, Deduct	*-80.58*	
		For >100, Deduct	*-123.69*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	938.08	47.12
		For >50 To 100, Deduct	*-84.38*	
		For >100, Deduct	*-129.40*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	639.70	47.12
		For >50 To 100, Deduct	*-54.55*	
		For >100, Deduct	*-84.65*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	665.48	47.12
		For >50 To 100, Deduct	*-57.12*	
		For >100, Deduct	*-88.51*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	689.11	47.12
		For >50 To 100, Deduct	*-59.49*	
		For >100, Deduct	*-92.06*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	693.69	47.12
		For >50 To 100, Deduct	*-59.95*	
		For >100, Deduct	*-92.74*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	748.77	47.12
		For >50 To 100, Deduct	*-65.45*	
		For >100, Deduct	*-101.01*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	749.03	47.12
		For >50 To 100, Deduct	*-65.48*	
		For >100, Deduct	*-101.05*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	779.08	47.12
		For >50 To 100, Deduct	*-68.48*	
		For >100, Deduct	*-105.55*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	809.26	47.12
		For >50 To 100, Deduct	*-71.50*	
		For >100, Deduct	*-110.08*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	839.42	47.12
		For >50 To 100, Deduct	*-74.52*	
		For >100, Deduct	*-114.60*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	815.17	47.12
		For >50 To 100, Deduct	*-72.09*	
		For >100, Deduct	*-110.97*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	847.06	47.12
		For >50 To 100, Deduct	*-75.28*	
		For >100, Deduct	*-115.75*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	878.95	47.12
		For >50 To 100, Deduct	*-78.47*	
		For >100, Deduct	*-120.53*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	821.44	48.55
		For >50 To 100, Deduct	*-72.44*	
		For >100, Deduct	*-111.57*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	853.35	48.55
		For >50 To 100, Deduct	*-75.63*	
		For >100, Deduct	*-116.35*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	875.75	48.55
		For >50 To 100, Deduct	*-77.87*	
		For >100, Deduct	*-119.71*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	862.85	48.55
		For >50 To 100, Deduct	*-76.58*	
		For >100, Deduct	*-117.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	872.97	48.55
		For >50 To 100, Deduct	*-77.59*	
		For >100, Deduct	*-119.29*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	909.42	48.55
		For >50 To 100, Deduct	*-81.23*	
		For >100, Deduct	*-124.76*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	848.37	48.55
		For >50 To 100, Deduct	*-75.13*	
		For >100, Deduct	*-115.60*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	922.49	48.55
		For >50 To 100, Deduct	*-82.54*	
		For >100, Deduct	*-126.72*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	974.96	48.55
		For >50 To 100, Deduct	*-87.79*	
		For >100, Deduct	*-134.59*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	740.37	48.55
		For >50 To 100, Deduct	*-64.33*	
		For >100, Deduct	*-99.40*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	761.29	48.55
		For >50 To 100, Deduct	*-66.42*	
		For >100, Deduct	*-102.54*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	799.86	48.55
		For >50 To 100, Deduct	*-70.28*	
		For >100, Deduct	*-108.33*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	795.15	48.55
		For >50 To 100, Deduct	*-69.81*	
		For >100, Deduct	*-107.62*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	845.12	48.55
		For >50 To 100, Deduct	*-74.80*	
		For >100, Deduct	*-115.12*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	860.88	48.55
		For >50 To 100, Deduct	*-76.38*	
		For >100, Deduct	*-117.48*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	853.06	48.55
		For >50 To 100, Deduct	*-75.60*	
		For >100, Deduct	*-116.31*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	879.67	48.55
		For >50 To 100, Deduct	*-78.26*	
		For >100, Deduct	*-120.30*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	956.37	48.55
		For >50 To 100, Deduct	*-85.93*	
		For >100, Deduct	*-131.80*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	849.59	49.97
		For >50 To 100, Deduct	*-74.96*	
		For >100, Deduct	*-115.44*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	886.68	49.97
		For >50 To 100, Deduct	*-78.67*	
		For >100, Deduct	*-121.01*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	891.52	49.97
		For >50 To 100, Deduct	*-79.16*	
		For >100, Deduct	*-121.73*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	938.26	49.97
		For >50 To 100, Deduct	*-83.83*	
		For >100, Deduct	*-128.74*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	895.01	49.97
		For >50 To 100, Deduct	*-79.51*	
		For >100, Deduct	*-122.26*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	934.19	49.97
		For >50 To 100, Deduct	*-83.42*	
		For >100, Deduct	*-128.13*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	893.51	49.97
		For >50 To 100, Deduct	*-79.36*	
		For >100, Deduct	*-122.03*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	940.46	49.97
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-129.07*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.81	49.97
		For >50 To 100, Deduct	*-91.09*	
		For >100, Deduct	*-139.63*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	803.53	49.26
		For >50 To 100, Deduct	*-70.50*	
		For >100, Deduct	*-108.71*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	829.44	49.26
		For >50 To 100, Deduct	*-73.09*	
		For >100, Deduct	*-112.59*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	855.34	49.26
		For >50 To 100, Deduct	*-75.68*	
		For >100, Deduct	*-116.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	838.85	49.26
		For >50 To 100, Deduct	*-74.03*	
		For >100, Deduct	*-114.01*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	885.24	49.26
		For >50 To 100, Deduct	*-78.67*	
		For >100, Deduct	*-120.96*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	907.70	49.26
		For >50 To 100, Deduct	*-80.92*	
		For >100, Deduct	*-124.33*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	899.88	49.26
		For >50 To 100, Deduct	*-80.14*	
		For >100, Deduct	*-123.16*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	924.92	49.26
		For >50 To 100, Deduct	*-82.64*	
		For >100, Deduct	*-126.92*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,006.32	49.26
		For >50 To 100, Deduct	*-90.78*	
		For >100, Deduct	*-139.13*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	875.18	50.69
		For >50 To 100, Deduct	*-77.38*	
		For >100, Deduct	*-119.11*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	904.23	50.69
		For >50 To 100, Deduct	*-80.29*	
		For >100, Deduct	*-123.47*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	933.26	50.69
		For >50 To 100, Deduct	*-83.19*	
		For >100, Deduct	*-127.82*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	923.10	50.69
		For >50 To 100, Deduct	*-82.17*	
		For >100, Deduct	*-126.30*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	943.53	50.69
		For >50 To 100, Deduct	*-84.22*	
		For >100, Deduct	*-129.36*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	974.12	50.69
		For >50 To 100, Deduct	*-87.27*	
		For >100, Deduct	*-133.95*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	950.61	50.69
		For >50 To 100, Deduct	*-84.92*	
		For >100, Deduct	*-130.43*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	985.69	50.69
		For >50 To 100, Deduct	*-88.43*	
		For >100, Deduct	*-135.69*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,026.40	50.69
		For >50 To 100, Deduct	*-92.50*	
		For >100, Deduct	*-141.79*	
10 51 26 00-0122		Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*		
10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	923.35	49.97
		For >50 To 100, Deduct	*-82.34*	
		For >100, Deduct	*-126.51*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	907.27	51.40
		For >50 To 100, Deduct	*-80.45*	
		For >100, Deduct	*-123.75*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	936.27	51.40
		For >50 To 100, Deduct	*-83.35*	
		For >100, Deduct	*-128.10*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	955.63	51.40
		For >50 To 100, Deduct	*-85.28*	
		For >100, Deduct	*-131.01*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	994.31	51.40
		For >50 To 100, Deduct	*-89.15*	
		For >100, Deduct	*-136.81*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,005.60	51.40
		For >50 To 100, Deduct	*-90.28*	
		For >100, Deduct	*-138.50*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,013.66	51.40
		For >50 To 100, Deduct	*-91.09*	
		For >100, Deduct	*-139.71*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,016.87	51.40
		For >50 To 100, Deduct	*-91.41*	
		For >100, Deduct	*-140.19*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,052.34	51.40
		For >50 To 100, Deduct	*-94.95*	
		For >100, Deduct	*-145.51*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,099.10	51.40
		For >50 To 100, Deduct	*-99.63*	
		For >100, Deduct	*-152.53*	
10 51 26 00-0133		Solid Plastic Locker Accessories *(10 51 26 00-0001)*		
10 51 26 00-0134		Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	44.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0136		Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	49.10	
10 51 26 00-0138		End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	109.81	
10 51 26 00-0140		Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*		
		Note: Price per frame.		
10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	41.86	
10 51 26 00-0142		Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*		
10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®)	119.42	
		Note: Full locker height. Width and height cut to size in the field.		
10 51 26 00-0144		Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*		
10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers	10.46	
		Note: For removable padlocks. Excludes padlock.		
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	31.40	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	41.86	
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	119.99	7.14
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	96.03	7.14
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	146.01	7.14
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	139.60	7.14
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	108.74	7.14
10 55		**Postal Specialties** *(10 50)*		
10 55 23		**Mail Boxes** *(10 55)*		
10 55 23 23		**Residential Mail Boxes** *(10 55 23)*		
10 55 23 23-0001		Residential Mail Boxes *(10 55 23 23)*		
10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	143.77	16.06
		For Stainless Steel Sleeve, Add	*30.96*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	191.72	16.06
		For Stainless Steel Sleeve, Add	*30.96*	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	102.29	14.29
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	154.60	17.85
10 55 23 26		**Commercial Mail Boxes** *(10 55 23)*		
10 55 23 26-0001		Commercial Letter Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	435.31	21.42
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	502.59	21.42
10 55 23 26-0004		Commercial Horizontal Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	90.48	21.42
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	190.67	28.55
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	115.46	21.42
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	179.63	28.55
10 55 23 26-0009		Commercial Cluster Mail Boxes *(10 55 23 26)*		
		Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5)	2,221.84	42.84
		Note: Any door combination.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	2,633.90	57.12
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,598.79	57.12
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,710.92	57.12
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,879.13	57.12
10 55 23 26-0015		Commercial 4C Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,995.26	57.12
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,491.89	57.12
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,626.45	57.12
10 55 26		**Parcel Lockers** *(10 55)*		
10 55 26 00-0001		Parcel Lockers *(10 55 26)*		
10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,654.42	42.84
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,968.43	57.12
10 56		**Storage Assemblies** *(10 50)*		
10 56 13		**Metal Storage Shelving** *(10 56)*		
10 56 13 13		**End-Panel-Support Metal Storage Shelving** *(10 56 13)*		
10 56 13 13-0001		Residential Wire Shelving *(10 56 13 13)* Note: Includes brackets and hardware.		
10 56 13 13-0002	LF	12" Deep, Wire Shelving For Closets	37.17	11.57
10 56 13 13-0003	LF	16" Deep, Wire Shelving For Closets	40.70	11.57
10 56 13 13-0004	LF	20" Deep, Wire Shelving For Closets	44.24	11.57
10 56 13 16		**Post-And-Shelf Metal Storage Shelving** *(10 56 13)*		
10 56 13 16-0001		Baked Enamel Steel Shelving *(10 56 13 16)*		
10 56 13 16-0002		7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*		
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	161.14	23.95
		For >75" To 87" High, Add	*14.00*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	161.50	25.15
		For >75" To 87" High, Add	*13.91*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	155.32	27.55
		For >75" To 87" High, Add	*13.10*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	197.25	29.94
		For >75" To 87" High, Add	*17.13*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	221.08	31.14
		For >75" To 87" High, Add	*19.34*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	213.17	33.54
		For >75" To 87" High, Add	*18.38*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	236.80	35.93
		For >75" To 87" High, Add	*20.56*	
10 56 13 16-0010	LF	Removal And Reinstallation Of 7 Shelf Metal Storage Shelving Unit	98.32	
10 56 13 16-0011		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)* Note: Adjustable shelves.		
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	115.87	12.21
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	114.63	13.06
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	128.76	13.89
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	133.91	14.73
10 56 13 16-0016	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	154.25	15.69
10 56 13 16-0017	LF	Removal And Reinstallation Of 3 Shelf Metal Storage Shelving Unit	41.78	
10 56 13 16-0018		4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*		
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	135.15	23.95
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	110.00	25.15
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	126.16	27.55
10 56 13 16-0022	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	132.94	29.94
10 56 13 16-0023	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	151.87	31.14
10 56 13 16-0024	LF	Removal And Reinstallation Of 4 Shelf Metal Storage Shelving Unit	47.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16		**Fabricated Wood Storage Shelving** *(10 56)*		
10 56 16 00-0001		Shelving *(10 56 16)*		
10 56 16 00-0002		Built-In Wood Shelving *(10 56 16 00-0001)*		
		Note: Priced by shelf area. Includes hardware and trim.		
10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	26.06	3.59
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	28.08	4.31
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	28.38	7.19
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0006		Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	22.14	8.62
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	24.21	9.20
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	26.53	9.92
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	33.85	
10 56 16 00-0011		Plywood Shelf With Edge Band *(10 56 16 00-0001)*		
10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	26.05	8.62
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	39.21	10.78
10 56 16 00-0014		Adjustable Shelf And Rod *(10 56 16 00-0001)*		
10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	207.75	32.35
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	247.70	43.14
10 56 16 00-0017		Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*		
10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	23.18	8.62
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	25.15	9.20
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	79.64	14.38
10 56 16 00-0021		Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*		
10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	25.60	13.51
10 56 17		**Wall-Mounted Standards and Shelving** *(10 56)*		
10 56 17 00-0001		Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	98.49	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	101.87	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	109.70	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	119.81	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	122.31	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	143.98	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0008		304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)* Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.		
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	159.91	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	175.25	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	190.66	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	226.08	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	247.04	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	277.32	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	66.60	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	68.89	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	71.65	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	75.65	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	80.51	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	93.56	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	96.35	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	108.16	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	224.64	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	233.68	14.28
		For Installation On Concrete Walls, Add	*2.64*	
		For Installation On Concrete Block Walls, Add	*4.92*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	69.83	14.28
		For Installation On Concrete Walls, Add	*4.19*	
		For Installation On Concrete Block Walls, Add	*6.47*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	71.35	14.28
		For Installation On Concrete Walls, Add	*4.22*	
		For Installation On Concrete Block Walls, Add	*6.50*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	72.32	14.28
		For Installation On Concrete Walls, Add	*4.25*	
		For Installation On Concrete Block Walls, Add	*6.53*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	75.89	14.28
		For Installation On Concrete Walls, Add	*4.31*	
		For Installation On Concrete Block Walls, Add	*6.59*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	77.71	14.28
		For Installation On Concrete Walls, Add	*4.34*	
		For Installation On Concrete Block Walls, Add	*6.62*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	83.18	14.28
		For Installation On Concrete Walls, Add	*4.43*	
		For Installation On Concrete Block Walls, Add	*6.71*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	39.22	

10 56 29 Storage Racks *(10 56)*

10 56 29 13 Flow Storage Racks *(10 56 29)*

10 56 29 13-0001 Steel Record Storage Rack *(10 56 29 13)*

Note: Includes 5/8" particleboard decking.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 13-0002	SF	16" Depth Record Storage Racks Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	17.14	1.68
10 56 29 13-0003	SF	24" Depth Record Storage Racks Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	12.40	1.26
10 56 29 13-0004	SF	34" Depth Record Storage Racks Note: Up to 6' wide shelving. Up to 9 shelving levels. Includes 5/8" particleboard decking. Per SF of shelving.	10.34	1.02
10 56 29 16		**Pallet Storage Racks** *(10 56 29)*		
10 56 29 16-0001		Dry Storage Pallet Racks *(10 56 29 16)* Note: Excludes decking.		
10 56 29 16-0002		18,000 Lb. Frame Pallet Racks *(10 56 29 16-0001)*		
10 56 29 16-0003	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.24	2.15
10 56 29 16-0004	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	19.97	2.52
10 56 29 16-0005	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	21.88	2.88
10 56 29 16-0006	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.96	1.97
10 56 29 16-0007	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.44	2.28
10 56 29 16-0008	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	19.17	2.64
10 56 29 16-0009	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.13	1.79
10 56 29 16-0010	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.48	2.09
10 56 29 16-0011	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 18,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 18,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.03	2.40
10 56 29 16-0012		24,000 Lb. Frame Pallet Racks *(10 56 29 16-0001)*		
10 56 29 16-0013	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	19.18	2.48
10 56 29 16-0014	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	21.23	2.63
10 56 29 16-0015	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	23.27	3.30
10 56 29 16-0016	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.85	2.28
10 56 29 16-0017	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.61	2.63
10 56 29 16-0018	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	20.52	3.03
10 56 29 16-0019	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	14.97	2.07
10 56 29 16-0020	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.64	2.41
10 56 29 16-0021	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 24,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 24,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.31	2.76
10 56 29 16-0022		32,000 Lb. Frame Pallet Racks *(10 56 29 16-0001)*		
10 56 29 16-0023	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	20.19	2.85
10 56 29 16-0024	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	22.50	3.33
10 56 29 16-0025	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	24.83	3.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 29 16-0026	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.70	2.61
10 56 29 16-0027	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	19.65	3.01
10 56 29 16-0028	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	21.79	3.48
10 56 29 16-0029	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	15.68	2.38
10 56 29 16-0030	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	17.52	2.77
10 56 29 16-0031	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 32,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 32,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	19.34	3.17
10 56 29 16-0032		45,000 Lb. Frame Pallet Racks *(10 56 29 16-0001)*		
10 56 29 16-0033	SF	Storage Racks 36" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	21.56	3.28
10 56 29 16-0034	SF	Storage Racks 36" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	24.25	3.82
10 56 29 16-0035	SF	Storage Racks 36" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	26.98	4.37
10 56 29 16-0036	SF	Storage Racks 42" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.90	3.01
10 56 29 16-0037	SF	Storage Racks 42" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	21.22	3.46
10 56 29 16-0038	SF	Storage Racks 42" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	23.69	4.02
10 56 29 16-0039	SF	Storage Racks 48" Deep, 24" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	16.78	2.73
10 56 29 16-0040	SF	Storage Racks 48" Deep, 36" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	18.90	3.18
10 56 29 16-0041	SF	Storage Racks 48" Deep, 48" Clear Height Shelf Spacing, 45,000 Lb. Note: 8' to 12' wide pair of shelving rails. 8' to 24' high, 45,000 Lb. frames with adjustable height shelving levels. Per SF of shelving area.	21.03	3.64
10 56 29 16-0042		Pallet Rack Accessories *(10 56 29 16-0001)*		
10 56 29 16-0043	EA	36" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	24.39	
10 56 29 16-0044	EA	42" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	26.89	
10 56 29 16-0045	EA	48" Cross Bar For 18,000 Lb. And 24,000 Lb. Pallet Racks	29.40	
10 56 29 16-0046	EA	3" Deep, 36" To 48" Long Pallet Support For 32,000 Lb. Pallet Racks	88.64	
10 56 29 16-0047	EA	4" Deep, 36" To 48" Long Pallet Support For 45,000 Lb. Pallet Racks	95.20	
10 56 29 16-0048	LF	36" Deep, Pallet Racks Wire Decking	28.46	
10 56 29 16-0049	LF	42" Deep, Pallet Racks Wire Decking	29.44	
10 56 29 16-0050	LF	48" Deep, Pallet Racks Wire Decking	32.46	
10 56 29 63		**Box Shelving** *(10 56 29)*		
10 56 29 63-0001		Box Shelving *(10 56 29 63)*		
10 56 29 63-0002	EA	48" Wide 60" High X 48" Deep, 9,000 Lb. Capacity, Single Tier Box Shelving	487.22	77.74

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001		Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*		
10 71 13 13-0002		Louvered Decorative Shutters *(10 71 13 13-0001)*		
10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	131.77	43.09
		For Colored Finish, Add	*13.37*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	142.64	45.25
		For Colored Finish, Add	*14.82*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	153.57	47.41
		For Colored Finish, Add	*16.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	163.56	49.57
		For Colored Finish, Add	*17.55*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	174.81	51.71
		For Colored Finish, Add	*19.05*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	186.56	53.87
		For Colored Finish, Add	*20.65*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	194.65	56.03
		For Colored Finish, Add	*21.59*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	203.59	58.18
		For Colored Finish, Add	*22.68*	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	215.49	60.33
		For Colored Finish, Add	*24.31*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	231.29	62.49
		For Colored Finish, Add	*26.63*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	238.98	64.65
		For Colored Finish, Add	*27.50*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	258.72	66.80
		For Colored Finish, Add	*30.54*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	266.33	68.95
		For Colored Finish, Add	*31.39*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	280.20	71.11
		For Colored Finish, Add	*33.37*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	183.49	47.41
		For Colored Finish, Add	*21.65*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	196.50	49.57
		For Colored Finish, Add	*23.48*	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	205.14	51.71
		For Colored Finish, Add	*24.51*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	218.53	53.87
		For Colored Finish, Add	*26.41*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	230.05	56.03
		For Colored Finish, Add	*27.96*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	240.93	58.18
		For Colored Finish, Add	*29.40*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	255.58	60.33
		For Colored Finish, Add	*31.52*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	274.81	62.49
		For Colored Finish, Add	*34.47*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	288.39	64.65
		For Colored Finish, Add	*36.39*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	303.62	66.80
		For Colored Finish, Add	*38.62*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	308.88	68.95
		For Colored Finish, Add	*39.05*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	319.96	71.11
		For Colored Finish, Add	*40.53*	

10 71 13 13-0030 Exterior Spanish Cedar Shutters *(10 71 13 13)*

10 71 13 13-0031 12" Width *(10 71 13 13-0030)*

10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	524.99	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	567.40	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	606.94	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	649.36	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	688.90	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	734.37	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	773.92	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	813.46	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	855.86	68.95
		For Arched Tops, Add	*150.00*	

10 71 13 13-0041 14" Width *(10 71 13 13-0030)*

10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	555.55	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	604.07	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	649.72	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	698.25	53.87
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	743.90	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	792.43	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	838.09	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	880.68	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	929.20	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0051		16" Width *(10 71 13 13-0030)*		
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	589.16	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	640.74	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	692.50	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	744.08	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	795.85	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	850.49	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	899.20	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	950.96	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,005.59	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		18" Width *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	619.72	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	677.41	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	735.28	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	792.98	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	847.78	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	908.54	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	963.36	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,021.24	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,078.93	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0071		20" Width *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	650.28	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	714.07	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	775.00	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	841.87	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	902.79	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	966.60	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,027.54	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,088.47	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,152.27	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081		Heavy-Duty Exterior True Louver Shutters, Western Red Cedar *(10 71 13 13)*		
10 71 13 13-0082		12" Width *(10 71 13 13-0081)*		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	544.19	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	579.45	45.25
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar	630.93	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar	666.20	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	717.66	51.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar	769.14	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar	804.41	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	855.88	58.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar	907.35	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	958.82	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	994.10	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,045.56	66.80
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,080.83	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096		**14" Width** *(10 71 13 13-0081)*		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	609.89	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	650.56	45.25
		For Arched Tops, Add	*150.00*	
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy-Duty Red Cedar	710.12	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy-Duty Red Cedar	750.79	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	810.36	51.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy-Duty Red Cedar	869.94	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy-Duty Red Cedar	910.60	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	970.17	58.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,029.75	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,089.32	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,129.99	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,189.55	66.80
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,230.22	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0110		**15" Width** *(10 71 13 13-0081)*		
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	642.74	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	686.10	45.25
		For Arched Tops, Add	*150.00*	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy-Duty Red Cedar	749.72	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy-Duty Red Cedar	793.09	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	856.71	51.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy-Duty Red Cedar	920.33	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy-Duty Red Cedar	963.70	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,027.32	58.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,090.94	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,154.57	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,197.94	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,261.54	66.80
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,304.91	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124		**16" Width** *(10 71 13 13-0081)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	675.59	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	710.40	45.25
		For Arched Tops, Add	*150.00*	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy-Duty Red Cedar	789.32	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy-Duty Red Cedar	835.39	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	903.05	51.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy-Duty Red Cedar	970.73	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,016.80	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,084.46	58.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,152.14	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,219.82	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,265.88	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,333.54	66.80
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,379.61	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138		**18" Width** *(10 71 13 13-0081)*		
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	741.28	43.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	792.75	45.25
		For Arched Tops, Add	*150.00*	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	868.51	47.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	919.98	49.57
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	995.75	51.71
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	1,071.52	53.87
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,122.99	56.03
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,198.76	58.18
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,274.53	60.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,350.31	62.49
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,401.78	64.65
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,477.53	66.80
		For Arched Tops, Add	*150.00*	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,529.00	68.95
		For Arched Tops, Add	*150.00*	
10 71 13 13-0152		**Exterior Cypress Fixed Louver Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0153		**6" Through 8" Width** *(10 71 13 13-0152)*		
10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	676.07	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	760.24	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	844.65	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	930.35	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,016.10	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,101.84	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,187.55	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,273.30	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,359.04	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,444.74	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,530.49	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,616.23	62.49
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,701.98	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,787.71	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0168		**10" Through 12" Width** *(10 71 13 13-0152)*		
10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	785.73	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	884.63	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	983.57	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,083.93	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,184.26	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,284.63	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,384.99	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,485.33	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,585.69	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,686.06	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,786.40	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,886.77	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,987.10	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,087.46	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0183		**14" Through 16" Width** *(10 71 13 13-0152)*		
10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,029.43	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,160.85	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,292.24	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,425.09	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,557.94	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,690.80	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,823.65	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,956.51	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,959.38	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,222.21	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,355.07	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,487.90	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,620.75	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,753.59	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0198		**18" Through 20" Width** *(10 71 13 13-0152)*		
10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,151.27	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,298.95	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,446.60	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,594.34	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,744.79	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,893.90	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,042.98	51.71
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,192.10	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,341.18	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,490.29	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,639.37	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,788.50	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,937.57	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,086.68	66.80
		For Arched Tops, Add	*65.00*	

10 71 13 13-0213 22" Through 24" Width *(10 71 13 13-0152)*

10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,516.84	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,713.23	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,909.66	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,107.49	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,305.31	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,503.17	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,701.00	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,898.83	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,096.69	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,294.51	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,492.35	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,690.22	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,888.04	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,085.86	66.80
		For Arched Tops, Add	*65.00*	

10 71 13 13-0228 26" Through 28" Width *(10 71 13 13-0152)*

10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,736.17	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,961.81	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,187.49	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,414.56	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,641.63	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,868.74	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	3,095.81	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,322.90	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,550.01	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,777.04	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	4,004.13	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,231.25	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,458.32	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,685.35	66.80
		For Arched Tops, Add	*65.00*	

10 71 13 13-0243 Pine Louvered Shutters *(10 71 13 13)*

10 71 13 13-0244 12" Width *(10 71 13 13-0243)*

10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	391.20	43.09
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	408.21	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	425.03	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	441.92	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	458.74	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	475.64	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	492.58	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	509.58	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	526.49	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	543.43	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	560.32	64.65
		For Arched Tops, Add	*65.00*	

10 71 13 13-0256 14" Width *(10 71 13 13-0243)*

10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	431.51	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	450.36	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	468.90	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	487.63	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	506.21	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	524.77	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	543.46	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	562.16	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	580.75	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	599.41	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	618.15	64.65
		For Arched Tops, Add	*65.00*	

10 71 13 13-0268 15" Width *(10 71 13 13-0243)*

10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	451.20	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	470.72	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	490.31	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	509.76	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	529.31	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	548.84	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	568.40	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	587.88	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	607.37	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	626.86	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	646.42	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	674.25	66.80
		For Arched Tops, Add	*65.00*	

10 71 13 13-0281 16" Width *(10 71 13 13-0243)*

10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	469.95	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	491.08	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	512.40	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	533.64	49.57
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	554.92	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	576.18	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	597.31	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	618.63	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	639.88	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	661.17	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	682.42	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	703.54	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0294		**18" Width** *(10 71 13 13-0243)*		
10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	511.19	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	538.51	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	585.54	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	632.69	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	679.79	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	781.49	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	810.22	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0302		**Exterior Cedar Board N' Batten Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0303		**8" Through 14" Width** *(10 71 13 13-0302)*		
10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	770.46	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,010.52	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,011.96	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,253.45	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,256.33	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,259.20	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,500.69	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,503.57	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,506.44	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,747.93	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,750.81	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,992.30	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,995.18	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,998.04	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,000.92	68.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0319		**15" Through 16" Width** *(10 71 13 13-0302)*		
10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	1,009.08	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,010.52	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,250.59	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,253.46	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,494.95	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,497.82	49.57
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,500.69	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,742.19	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,745.06	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,986.55	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,989.43	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,230.94	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,233.81	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,475.29	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,478.16	68.95
		For Arched Tops, Add	*65.00*	

10 71 13 13-0335 17" Through 18" Width *(10 71 13 13-0302)*

10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,009.08	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,249.15	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,250.59	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,492.08	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,494.95	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,736.44	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,739.31	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,980.81	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,983.68	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,225.18	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,228.06	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,469.56	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,472.43	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,713.91	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,716.78	68.95
		For Arched Tops, Add	*65.00*	

10 71 13 13-0351 19" Through 20" Width *(10 71 13 13-0302)*

10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,247.71	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,249.15	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,489.21	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,492.08	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,733.57	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,736.44	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,977.93	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,219.44	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,222.31	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,463.80	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,466.68	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,708.18	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,711.05	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,952.54	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,955.41	68.95
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 71 13 13-0367 21" Through 22" Width *(10 71 13 13-0302)*

10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,247.71	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,249.15	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,489.21	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,730.70	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,733.57	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,975.06	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,977.93	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,219.44	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,460.93	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,463.80	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,705.30	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,708.18	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,949.68	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,952.54	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,955.41	68.95
		For Arched Tops, Add	*65.00*	

10 71 13 13-0383 22" Through 24" Width *(10 71 13 13-0302)*

10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,247.71	40.95
		For Arched Tops, Add	*65.00*	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,487.77	42.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,489.21	43.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,730.70	45.25
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,972.19	47.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,975.06	49.57
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,216.56	51.71
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,219.44	53.87
		For Arched Tops, Add	*65.00*	
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,460.93	56.03
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,702.42	58.18
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,705.30	60.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,946.81	62.49
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,949.68	64.65
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,191.16	66.80
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,194.03	68.95
		For Arched Tops, Add	*65.00*	

10 71 13 13-0399 Accessories *(10 71 13 13)*

10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	77.16	
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	77.16	
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	114.56	
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	106.28	
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	96.79	
10 71 13 13-0405	PR	Acorn Holdback	87.78	
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	74.39	
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	70.25	

10 71 13 13-0408 Accordion Hurricane Impact Shutter *(10 71 13 13)*

Note: Add scaffolding after first floor.

10 71 13 13-0409	SF	Aluminum Accordion Shutters, Ultraguard	43.25	6.46
10 71 13 13-0410	SF	Aluminum Accordion Shutters, Super Shutters	50.40	6.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16		**Storm Panels** *(10 71)*		
10 71 16 13		**Demountable Storm Panels** *(10 71 16)*		
10 71 16 13-0001		Hurricane Panels *(10 71 16 13)*		
10 71 16 13-0002		Aluminum *(10 71 16 13-0001)*		
10 71 16 13-0003	SF	0.040" Aluminum Hurricane Panels	23.13	6.46
10 71 16 13-0004	SF	0.050" Aluminum Hurricane Panels (Miami-Dade Approved)	24.33	6.46
10 71 16 13-0005	SF	0.063" Aluminum Hurricane Panels (Miami-Dade Approved)	26.62	6.46
10 71 16 13-0006		Steel *(10 71 16 13-0001)*		
10 71 16 13-0007	SF	22 Gauge Galvanized Steel Hurricane Panels	21.89	6.46
10 71 16 13-0008	SF	20 Gauge Galvanized Steel Hurricane Panels	22.74	6.46
10 71 16 13-0009		Fiberglass *(10 71 16 13-0001)*		
10 71 16 13-0010	SF	Fiberglass Hurricane Panels	22.58	6.46
10 71 16 13-0011		Bahama Shutters *(10 71 16 13)*		
10 71 16 13-0012		Up To 36" Wide *(10 71 16 13-0011)*		
10 71 16 13-0013	EA	9" Wide x 24" High, Architectural Aluminum Bahama Shutter	443.21	9.88
		For Impact Bahama Shutters, Add	*171.36*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-9.31*	
		For >25 To 50, Deduct	*-18.25*	
		For >50, Deduct	*-27.19*	
10 71 16 13-0014	EA	9" Wide x 30" High, Architectural Aluminum Bahama Shutter	472.06	12.36
		For Impact Bahama Shutters, Add	*181.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-10.00*	
		For >25 To 50, Deduct	*-19.53*	
		For >50, Deduct	*-29.06*	
10 71 16 13-0015	EA	9" Wide x 36" High, Architectural Aluminum Bahama Shutter	500.92	14.83
		For Impact Bahama Shutters, Add	*191.48*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-10.69*	
		For >25 To 50, Deduct	*-20.81*	
		For >50, Deduct	*-30.94*	
10 71 16 13-0016	EA	9" Wide x 42" High, Architectural Aluminum Bahama Shutter	527.54	15.82
		For Impact Bahama Shutters, Add	*201.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-11.26*	
		For >25 To 50, Deduct	*-21.93*	
		For >50, Deduct	*-32.60*	
10 71 16 13-0017	EA	9" Wide x 48" High, Architectural Aluminum Bahama Shutter	556.08	18.07
		For Impact Bahama Shutters, Add	*211.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-11.93*	
		For >25 To 50, Deduct	*-23.19*	
		For >50, Deduct	*-34.45*	
10 71 16 13-0018	EA	9" Wide x 54" High, Architectural Aluminum Bahama Shutter	584.61	20.33
		For Impact Bahama Shutters, Add	*221.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-12.61*	
		For >25 To 50, Deduct	*-24.45*	
		For >50, Deduct	*-36.30*	
10 71 16 13-0019	EA	9" Wide x 60" High, Architectural Aluminum Bahama Shutter	613.14	22.59
		For Impact Bahama Shutters, Add	*231.71*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-13.28*	
		For >25 To 50, Deduct	*-25.71*	
		For >50, Deduct	*-38.14*	
10 71 16 13-0020	EA	9" Wide x 66" High, Architectural Aluminum Bahama Shutter	639.82	23.60
		For Impact Bahama Shutters, Add	*241.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-13.86*	
		For >25 To 50, Deduct	*-26.83*	
		For >50, Deduct	*-39.81*	
10 71 16 13-0021	EA	9" Wide x 72" High, Architectural Aluminum Bahama Shutter	668.17	25.76
		For Impact Bahama Shutters, Add	*251.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-14.52*	
		For >25 To 50, Deduct	*-28.08*	
		For >50, Deduct	*-41.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0022	EA	9" Wide x 78" High, Architectural Aluminum Bahama Shutter	694.44	26.50
		For Impact Bahama Shutters, Add	*261.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-15.08*	
		For >25 To 50, Deduct	*-29.17*	
		For >50, Deduct	*-43.26*	
10 71 16 13-0023	EA	9" Wide x 84" High, Architectural Aluminum Bahama Shutter	722.66	28.54
		For Impact Bahama Shutters, Add	*271.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-15.74*	
		For >25 To 50, Deduct	*-30.40*	
		For >50, Deduct	*-45.07*	
10 71 16 13-0024	EA	9" Wide x 90" High, Architectural Aluminum Bahama Shutter	748.57	29.05
		For Impact Bahama Shutters, Add	*282.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-16.28*	
		For >25 To 50, Deduct	*-31.47*	
		For >50, Deduct	*-46.66*	
10 71 16 13-0025	EA	12" Wide x 24" High, Architectural Aluminum Bahama Shutter	481.68	13.18
		For Impact Bahama Shutters, Add	*184.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-10.23*	
		For >25 To 50, Deduct	*-19.96*	
		For >50, Deduct	*-29.69*	
10 71 16 13-0026	EA	12" Wide x 30" High, Architectural Aluminum Bahama Shutter	520.15	16.48
		For Impact Bahama Shutters, Add	*198.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-11.14*	
		For >25 To 50, Deduct	*-21.67*	
		For >50, Deduct	*-32.20*	
10 71 16 13-0027	EA	12" Wide x 36" High, Architectural Aluminum Bahama Shutter	558.62	19.77
		For Impact Bahama Shutters, Add	*211.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-12.06*	
		For >25 To 50, Deduct	*-23.38*	
		For >50, Deduct	*-34.70*	
10 71 16 13-0028	EA	12" Wide x 42" High, Architectural Aluminum Bahama Shutter	594.12	21.09
		For Impact Bahama Shutters, Add	*225.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-12.83*	
		For >25 To 50, Deduct	*-24.87*	
		For >50, Deduct	*-36.91*	
10 71 16 13-0029	EA	12" Wide x 48" High, Architectural Aluminum Bahama Shutter	632.17	24.09
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-13.73*	
		For >25 To 50, Deduct	*-26.55*	
		For >50, Deduct	*-39.38*	
10 71 16 13-0030	EA	12" Wide x 54" High, Architectural Aluminum Bahama Shutter	670.21	27.11
		For Impact Bahama Shutters, Add	*251.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-14.62*	
		For >25 To 50, Deduct	*-28.23*	
		For >50, Deduct	*-41.84*	
10 71 16 13-0031	EA	12" Wide x 60" High, Architectural Aluminum Bahama Shutter	708.25	30.12
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-15.52*	
		For >25 To 50, Deduct	*-29.91*	
		For >50, Deduct	*-44.30*	
10 71 16 13-0032	EA	12" Wide x 66" High, Architectural Aluminum Bahama Shutter	743.82	31.48
		For Impact Bahama Shutters, Add	*278.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-16.29*	
		For >25 To 50, Deduct	*-31.40*	
		For >50, Deduct	*-46.52*	
10 71 16 13-0033	EA	12" Wide x 72" High, Architectural Aluminum Bahama Shutter	781.62	34.33
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-17.18*	
		For >25 To 50, Deduct	*-33.07*	
		For >50, Deduct	*-48.96*	
10 71 16 13-0034	EA	12" Wide x 78" High, Architectural Aluminum Bahama Shutter	816.66	35.34
		For Impact Bahama Shutters, Add	*305.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-17.92*	
		For >25 To 50, Deduct	*-34.52*	
		For >50, Deduct	*-51.12*	
10 71 16 13-0035	EA	12" Wide x 84" High, Architectural Aluminum Bahama Shutter	854.26	38.05
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-18.80*	
		For >25 To 50, Deduct	*-36.17*	
		For >50, Deduct	*-53.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0036	EA	12" Wide x 90" High, Architectural Aluminum Bahama Shutter	888.79	38.73
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*250.19*	
		For >10 To 25, Deduct	*-19.52*	
		For >25 To 50, Deduct	*-37.58*	
		For >50, Deduct	*-55.65*	
10 71 16 13-0037	EA	16" Wide x 24" High, Architectural Aluminum Bahama Shutter	532.97	17.57
		For Impact Bahama Shutters, Add	*202.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-11.45*	
		For >25 To 50, Deduct	*-22.24*	
		For >50, Deduct	*-33.03*	
10 71 16 13-0038	EA	16" Wide x 30" High, Architectural Aluminum Bahama Shutter	584.26	21.95
		For Impact Bahama Shutters, Add	*220.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-12.67*	
		For >25 To 50, Deduct	*-24.52*	
		For >50, Deduct	*-36.37*	
10 71 16 13-0039	EA	16" Wide x 36" High, Architectural Aluminum Bahama Shutter	635.55	26.34
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-13.90*	
		For >25 To 50, Deduct	*-26.80*	
		For >50, Deduct	*-39.71*	
10 71 16 13-0040	EA	16" Wide x 42" High, Architectural Aluminum Bahama Shutter	682.87	28.09
		For Impact Bahama Shutters, Add	*256.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-14.92*	
		For >25 To 50, Deduct	*-28.79*	
		For >50, Deduct	*-42.66*	
10 71 16 13-0041	EA	16" Wide x 48" High, Architectural Aluminum Bahama Shutter	733.61	32.13
		For Impact Bahama Shutters, Add	*274.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-16.12*	
		For >25 To 50, Deduct	*-31.03*	
		For >50, Deduct	*-45.94*	
10 71 16 13-0042	EA	16" Wide x 54" High, Architectural Aluminum Bahama Shutter	784.32	36.13
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-17.31*	
		For >25 To 50, Deduct	*-33.27*	
		For >50, Deduct	*-49.23*	
10 71 16 13-0043	EA	16" Wide x 60" High, Architectural Aluminum Bahama Shutter	835.04	40.16
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-18.51*	
		For >25 To 50, Deduct	*-35.51*	
		For >50, Deduct	*-52.51*	
10 71 16 13-0044	EA	16" Wide x 66" High, Architectural Aluminum Bahama Shutter	882.45	41.95
		For Impact Bahama Shutters, Add	*327.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-19.54*	
		For >25 To 50, Deduct	*-37.50*	
		For >50, Deduct	*-55.46*	
10 71 16 13-0045	EA	16" Wide x 72" High, Architectural Aluminum Bahama Shutter	932.89	45.77
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-20.72*	
		For >25 To 50, Deduct	*-39.72*	
		For >50, Deduct	*-58.72*	
10 71 16 13-0046	EA	16" Wide x 78" High, Architectural Aluminum Bahama Shutter	979.58	47.10
		For Impact Bahama Shutters, Add	*363.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-21.71*	
		For >25 To 50, Deduct	*-41.65*	
		For >50, Deduct	*-61.60*	
10 71 16 13-0047	EA	16" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,029.72	50.72
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-22.88*	
		For >25 To 50, Deduct	*-43.85*	
		For >50, Deduct	*-64.83*	
10 71 16 13-0048	EA	16" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,260.17	51.63
		For Impact Bahama Shutters, Add	*473.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-27.53*	
		For >25 To 50, Deduct	*-53.12*	
		For >50, Deduct	*-78.71*	
10 71 16 13-0049	EA	20" Wide x 24" High, Architectural Aluminum Bahama Shutter	584.26	21.95
		For Impact Bahama Shutters, Add	*220.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-12.67*	
		For >25 To 50, Deduct	*-24.52*	
		For >50, Deduct	*-36.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0050	EA	20" Wide x 30" High, Architectural Aluminum Bahama Shutter	648.36	27.44
		For Impact Bahama Shutters, Add	*242.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-14.20*	
		For >25 To 50, Deduct	*-27.37*	
		For >50, Deduct	*-40.55*	
10 71 16 13-0051	EA	20" Wide x 36" High, Architectural Aluminum Bahama Shutter	712.47	32.93
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-15.73*	
		For >25 To 50, Deduct	*-30.23*	
		For >50, Deduct	*-44.72*	
10 71 16 13-0052	EA	20" Wide x 42" High, Architectural Aluminum Bahama Shutter	771.65	35.12
		For Impact Bahama Shutters, Add	*287.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-17.01*	
		For >25 To 50, Deduct	*-32.71*	
		For >50, Deduct	*-48.41*	
10 71 16 13-0053	EA	20" Wide x 48" High, Architectural Aluminum Bahama Shutter	835.03	40.14
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-18.51*	
		For >25 To 50, Deduct	*-35.51*	
		For >50, Deduct	*-52.51*	
10 71 16 13-0054	EA	20" Wide x 54" High, Architectural Aluminum Bahama Shutter	898.44	45.17
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-20.00*	
		For >25 To 50, Deduct	*-38.31*	
		For >50, Deduct	*-56.61*	
10 71 16 13-0055	EA	20" Wide x 60" High, Architectural Aluminum Bahama Shutter	961.84	50.18
		For Impact Bahama Shutters, Add	*354.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-21.49*	
		For >25 To 50, Deduct	*-41.11*	
		For >50, Deduct	*-60.72*	
10 71 16 13-0056	EA	20" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,021.10	52.43
		For Impact Bahama Shutters, Add	*377.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-22.78*	
		For >25 To 50, Deduct	*-43.60*	
		For >50, Deduct	*-64.41*	
10 71 16 13-0057	EA	20" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,084.13	57.20
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-24.26*	
		For >25 To 50, Deduct	*-46.37*	
		For >50, Deduct	*-68.48*	
10 71 16 13-0058	EA	20" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,142.51	58.87
		For Impact Bahama Shutters, Add	*421.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-25.50*	
		For >25 To 50, Deduct	*-48.79*	
		For >50, Deduct	*-72.08*	
10 71 16 13-0059	EA	20" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,205.17	63.40
		For Impact Bahama Shutters, Add	*444.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-26.95*	
		For >25 To 50, Deduct	*-51.53*	
		For >50, Deduct	*-76.11*	
10 71 16 13-0060	EA	20" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,262.76	64.53
		For Impact Bahama Shutters, Add	*466.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-28.16*	
		For >25 To 50, Deduct	*-53.90*	
		For >50, Deduct	*-79.64*	
10 71 16 13-0061	EA	24" Wide x 24" High, Architectural Aluminum Bahama Shutter	635.55	26.34
		For Impact Bahama Shutters, Add	*238.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-13.90*	
		For >25 To 50, Deduct	*-26.80*	
		For >50, Deduct	*-39.71*	
10 71 16 13-0062	EA	24" Wide x 30" High, Architectural Aluminum Bahama Shutter	712.49	32.94
		For Impact Bahama Shutters, Add	*265.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-15.73*	
		For >25 To 50, Deduct	*-30.23*	
		For >50, Deduct	*-44.73*	
10 71 16 13-0063	EA	24" Wide x 36" High, Architectural Aluminum Bahama Shutter	789.41	39.54
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-17.57*	
		For >25 To 50, Deduct	*-33.65*	
		For >50, Deduct	*-49.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0064	EA	24" Wide x 42" High, Architectural Aluminum Bahama Shutter	860.44	42.16
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-19.11*	
		For >25 To 50, Deduct	*-36.63*	
		For >50, Deduct	*-54.16*	
10 71 16 13-0065	EA	24" Wide x 48" High, Architectural Aluminum Bahama Shutter	936.50	48.18
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-20.90*	
		For >25 To 50, Deduct	*-39.99*	
		For >50, Deduct	*-59.08*	
10 71 16 13-0066	EA	24" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,012.60	54.21
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-22.69*	
		For >25 To 50, Deduct	*-43.35*	
		For >50, Deduct	*-64.01*	
10 71 16 13-0067	EA	24" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,088.67	60.23
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-24.48*	
		For >25 To 50, Deduct	*-46.71*	
		For >50, Deduct	*-68.93*	
10 71 16 13-0068	EA	24" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,159.79	62.96
		For Impact Bahama Shutters, Add	*426.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-26.03*	
		For >25 To 50, Deduct	*-49.69*	
		For >50, Deduct	*-73.36*	
10 71 16 13-0069	EA	24" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,235.44	68.67
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-27.80*	
		For >25 To 50, Deduct	*-53.02*	
		For >50, Deduct	*-78.24*	
10 71 16 13-0070	EA	24" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,305.49	70.68
		For Impact Bahama Shutters, Add	*479.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-29.29*	
		For >25 To 50, Deduct	*-55.93*	
		For >50, Deduct	*-82.57*	
10 71 16 13-0071	EA	24" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,380.70	76.11
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-31.04*	
		For >25 To 50, Deduct	*-59.22*	
		For >50, Deduct	*-87.41*	
10 71 16 13-0072	EA	24" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,449.79	77.48
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*275.94*	
		For >10 To 25, Deduct	*-32.48*	
		For >25 To 50, Deduct	*-62.06*	
		For >50, Deduct	*-91.63*	
10 71 16 13-0073	EA	28" Wide x 24" High, Architectural Aluminum Bahama Shutter	680.25	26.34
		For Impact Bahama Shutters, Add	*256.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-14.79*	
		For >25 To 50, Deduct	*-28.59*	
		For >50, Deduct	*-42.40*	
10 71 16 13-0074	EA	28" Wide x 30" High, Architectural Aluminum Bahama Shutter	776.59	38.43
		For Impact Bahama Shutters, Add	*287.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-17.26*	
		For >25 To 50, Deduct	*-33.08*	
		For >50, Deduct	*-48.90*	
10 71 16 13-0075	EA	28" Wide x 36" High, Architectural Aluminum Bahama Shutter	866.33	46.11
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-19.40*	
		For >25 To 50, Deduct	*-37.07*	
		For >50, Deduct	*-54.74*	
10 71 16 13-0076	EA	28" Wide x 42" High, Architectural Aluminum Bahama Shutter	949.18	49.19
		For Impact Bahama Shutters, Add	*350.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-21.20*	
		For >25 To 50, Deduct	*-40.55*	
		For >50, Deduct	*-59.90*	
10 71 16 13-0077	EA	28" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,037.95	56.21
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-23.29*	
		For >25 To 50, Deduct	*-44.47*	
		For >50, Deduct	*-65.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0078	EA	28" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,126.72	63.24
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-25.38*	
		For >25 To 50, Deduct	*-48.39*	
		For >50, Deduct	*-71.40*	
10 71 16 13-0079	EA	28" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,215.47	70.27
		For Impact Bahama Shutters, Add	*444.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-27.47*	
		For >25 To 50, Deduct	*-52.31*	
		For >50, Deduct	*-77.14*	
10 71 16 13-0080	EA	28" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,298.44	73.43
		For Impact Bahama Shutters, Add	*475.34*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-29.27*	
		For >25 To 50, Deduct	*-55.79*	
		For >50, Deduct	*-82.31*	
10 71 16 13-0081	EA	28" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,386.69	80.10
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-31.34*	
		For >25 To 50, Deduct	*-59.67*	
		For >50, Deduct	*-88.01*	
10 71 16 13-0082	EA	28" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,468.42	82.44
		For Impact Bahama Shutters, Add	*537.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-33.08*	
		For >25 To 50, Deduct	*-63.06*	
		For >50, Deduct	*-93.05*	
10 71 16 13-0083	EA	28" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,556.15	88.78
		For Impact Bahama Shutters, Add	*569.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-35.12*	
		For >25 To 50, Deduct	*-66.90*	
		For >50, Deduct	*-98.69*	
10 71 16 13-0084	EA	28" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,636.76	90.36
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-36.80*	
		For >25 To 50, Deduct	*-70.21*	
		For >50, Deduct	*-103.62*	
10 71 16 13-0085	EA	32" Wide x 24" High, Architectural Aluminum Bahama Shutter	738.13	35.13
		For Impact Bahama Shutters, Add	*274.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-16.34*	
		For >25 To 50, Deduct	*-31.37*	
		For >50, Deduct	*-46.40*	
10 71 16 13-0086	EA	32" Wide x 30" High, Architectural Aluminum Bahama Shutter	840.70	43.91
		For Impact Bahama Shutters, Add	*309.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-18.79*	
		For >25 To 50, Deduct	*-35.93*	
		For >50, Deduct	*-53.08*	
10 71 16 13-0087	EA	32" Wide x 36" High, Architectural Aluminum Bahama Shutter	943.29	52.71
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-21.24*	
		For >25 To 50, Deduct	*-40.50*	
		For >50, Deduct	*-59.76*	
10 71 16 13-0088	EA	32" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,037.95	56.21
		For Impact Bahama Shutters, Add	*381.47*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-23.29*	
		For >25 To 50, Deduct	*-44.47*	
		For >50, Deduct	*-65.65*	
10 71 16 13-0089	EA	32" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,139.40	64.24
		For Impact Bahama Shutters, Add	*417.23*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-25.68*	
		For >25 To 50, Deduct	*-48.95*	
		For >50, Deduct	*-72.22*	
10 71 16 13-0090	EA	32" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,240.86	72.29
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-28.07*	
		For >25 To 50, Deduct	*-53.43*	
		For >50, Deduct	*-78.79*	
10 71 16 13-0091	EA	32" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,342.30	80.31
		For Impact Bahama Shutters, Add	*488.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-30.46*	
		For >25 To 50, Deduct	*-57.91*	
		For >50, Deduct	*-85.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0092	EA	32" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,437.12	83.92
		For Impact Bahama Shutters, Add	*524.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-32.52*	
		For >25 To 50, Deduct	*-61.89*	
		For >50, Deduct	*-91.26*	
10 71 16 13-0093	EA	32" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,537.96	91.56
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-34.88*	
		For >25 To 50, Deduct	*-66.32*	
		For >50, Deduct	*-97.77*	
10 71 16 13-0094	EA	32" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,631.37	94.22
		For Impact Bahama Shutters, Add	*596.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-36.87*	
		For >25 To 50, Deduct	*-70.20*	
		For >50, Deduct	*-103.53*	
10 71 16 13-0095	EA	32" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,731.64	101.48
		For Impact Bahama Shutters, Add	*631.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-39.20*	
		For >25 To 50, Deduct	*-74.59*	
		For >50, Deduct	*-109.98*	
10 71 16 13-0096	EA	32" Wide x 90" High, Architectural Aluminum Bahama Shutter	1,823.77	103.28
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-41.12*	
		For >25 To 50, Deduct	*-78.37*	
		For >50, Deduct	*-115.62*	
10 71 16 13-0097	EA	36" Wide x 24" High, Architectural Aluminum Bahama Shutter	789.41	39.54
		For Impact Bahama Shutters, Add	*292.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-17.57*	
		For >25 To 50, Deduct	*-33.65*	
		For >50, Deduct	*-49.74*	
10 71 16 13-0098	EA	36" Wide x 30" High, Architectural Aluminum Bahama Shutter	904.82	49.41
		For Impact Bahama Shutters, Add	*332.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-20.32*	
		For >25 To 50, Deduct	*-38.79*	
		For >50, Deduct	*-57.25*	
10 71 16 13-0099	EA	36" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,020.21	59.30
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-23.07*	
		For >25 To 50, Deduct	*-43.92*	
		For >50, Deduct	*-64.77*	
10 71 16 13-0100	EA	36" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,126.73	63.25
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-25.38*	
		For >25 To 50, Deduct	*-48.39*	
		For >50, Deduct	*-71.40*	
10 71 16 13-0101	EA	36" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,240.86	72.29
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-28.07*	
		For >25 To 50, Deduct	*-53.43*	
		For >50, Deduct	*-78.79*	
10 71 16 13-0102	EA	36" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,354.98	81.33
		For Impact Bahama Shutters, Add	*493.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-30.76*	
		For >25 To 50, Deduct	*-58.47*	
		For >50, Deduct	*-86.18*	
10 71 16 13-0103	EA	36" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,469.11	90.36
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-33.45*	
		For >25 To 50, Deduct	*-63.51*	
		For >50, Deduct	*-93.57*	
10 71 16 13-0104	EA	36" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,575.79	94.42
		For Impact Bahama Shutters, Add	*573.69*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-35.76*	
		For >25 To 50, Deduct	*-67.99*	
		For >50, Deduct	*-100.21*	
10 71 16 13-0105	EA	36" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,689.24	103.00
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-38.42*	
		For >25 To 50, Deduct	*-72.97*	
		For >50, Deduct	*-107.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0106	EA	36" Wide x 78" High, Architectural Aluminum Bahama Shutter	1,794.32	106.01
		For Impact Bahama Shutters, Add	*654.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-40.65*	
		For >25 To 50, Deduct	*-77.34*	
		For >50, Deduct	*-114.02*	
10 71 16 13-0107	EA	36" Wide x 84" High, Architectural Aluminum Bahama Shutter	1,907.12	114.16
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-43.28*	
		For >25 To 50, Deduct	*-82.28*	
		For >50, Deduct	*-121.27*	
10 71 16 13-0108	EA	36" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,010.76	116.21
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*301.68*	
		For >10 To 25, Deduct	*-45.44*	
		For >25 To 50, Deduct	*-86.53*	
		For >50, Deduct	*-127.61*	

10 71 16 13-0109 >36" To 60" Wide *(10 71 16 13-0011)*

10 71 16 13-0110	EA	42" Wide x 24" High, Architectural Aluminum Bahama Shutter	860.82	42.43
		For Impact Bahama Shutters, Add	*318.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-19.12*	
		For >25 To 50, Deduct	*-36.66*	
		For >50, Deduct	*-54.19*	
10 71 16 13-0111	EA	42" Wide x 30" High, Architectural Aluminum Bahama Shutter	994.06	53.04
		For Impact Bahama Shutters, Add	*365.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-22.27*	
		For >25 To 50, Deduct	*-42.55*	
		For >50, Deduct	*-62.82*	
10 71 16 13-0112	EA	42" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,127.31	63.64
		For Impact Bahama Shutters, Add	*412.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-25.41*	
		For >25 To 50, Deduct	*-48.43*	
		For >50, Deduct	*-71.46*	
10 71 16 13-0113	EA	42" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,251.03	67.89
		For Impact Bahama Shutters, Add	*459.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-28.07*	
		For >25 To 50, Deduct	*-53.60*	
		For >50, Deduct	*-79.13*	
10 71 16 13-0114	EA	42" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,382.91	77.59
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-31.15*	
		For >25 To 50, Deduct	*-59.39*	
		For >50, Deduct	*-87.63*	
10 71 16 13-0115	EA	42" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,514.78	87.28
		For Impact Bahama Shutters, Add	*553.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-34.22*	
		For >25 To 50, Deduct	*-65.17*	
		For >50, Deduct	*-96.12*	
10 71 16 13-0116	EA	42" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,646.68	96.98
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-37.30*	
		For >25 To 50, Deduct	*-70.96*	
		For >50, Deduct	*-104.62*	
10 71 16 13-0117	EA	42" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,770.58	101.35
		For Impact Bahama Shutters, Add	*647.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-39.97*	
		For >25 To 50, Deduct	*-76.14*	
		For >50, Deduct	*-112.31*	
10 71 16 13-0118	EA	42" Wide x 72" High, Architectural Aluminum Bahama Shutter	1,901.72	110.56
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-43.01*	
		For >25 To 50, Deduct	*-81.87*	
		For >50, Deduct	*-120.73*	
10 71 16 13-0119	EA	42" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,023.91	113.78
		For Impact Bahama Shutters, Add	*741.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-45.60*	
		For >25 To 50, Deduct	*-86.93*	
		For >50, Deduct	*-128.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0120	EA	42" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,154.37	122.54
		For Impact Bahama Shutters, Add	*788.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-48.60*	
		For >25 To 50, Deduct	*-92.60*	
		For >50, Deduct	*-136.61*	
10 71 16 13-0121	EA	42" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,274.99	124.73
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-51.11*	
		For >25 To 50, Deduct	*-97.54*	
		For >50, Deduct	*-143.98*	
10 71 16 13-0122	EA	48" Wide x 24" High, Architectural Aluminum Bahama Shutter	936.97	48.48
		For Impact Bahama Shutters, Add	*345.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-20.92*	
		For >25 To 50, Deduct	*-40.02*	
		For >50, Deduct	*-59.13*	
10 71 16 13-0123	EA	48" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,089.25	60.61
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-24.51*	
		For >25 To 50, Deduct	*-46.75*	
		For >50, Deduct	*-68.99*	
10 71 16 13-0124	EA	48" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,241.53	72.74
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-28.10*	
		For >25 To 50, Deduct	*-53.48*	
		For >50, Deduct	*-78.85*	
10 71 16 13-0125	EA	48" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,382.91	77.59
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-31.15*	
		For >25 To 50, Deduct	*-59.39*	
		For >50, Deduct	*-87.63*	
10 71 16 13-0126	EA	48" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,533.64	88.67
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-34.66*	
		For >25 To 50, Deduct	*-66.00*	
		For >50, Deduct	*-97.34*	
10 71 16 13-0127	EA	48" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,684.36	99.76
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-38.17*	
		For >25 To 50, Deduct	*-72.61*	
		For >50, Deduct	*-107.04*	
10 71 16 13-0128	EA	48" Wide x 60" High, Architectural Aluminum Bahama Shutter	1,835.09	110.83
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-41.69*	
		For >25 To 50, Deduct	*-79.22*	
		For >50, Deduct	*-116.75*	
10 71 16 13-0129	EA	48" Wide x 66" High, Architectural Aluminum Bahama Shutter	1,976.68	115.81
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-44.74*	
		For >25 To 50, Deduct	*-85.14*	
		For >50, Deduct	*-125.55*	
10 71 16 13-0130	EA	48" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,126.56	126.35
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-48.21*	
		For >25 To 50, Deduct	*-91.69*	
		For >50, Deduct	*-135.17*	
10 71 16 13-0131	EA	48" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,266.20	130.04
		For Impact Bahama Shutters, Add	*828.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-51.17*	
		For >25 To 50, Deduct	*-97.47*	
		For >50, Deduct	*-143.77*	
10 71 16 13-0132	EA	48" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,415.30	140.04
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-54.60*	
		For >25 To 50, Deduct	*-103.96*	
		For >50, Deduct	*-153.32*	
10 71 16 13-0133	EA	48" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,553.17	142.54
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*328.16*	
		For >10 To 25, Deduct	*-57.47*	
		For >25 To 50, Deduct	*-109.61*	
		For >50, Deduct	*-161.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0134	EA	54" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,013.10	54.55
		For Impact Bahama Shutters, Add	*372.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-22.72*	
		For >25 To 50, Deduct	*-43.39*	
		For >50, Deduct	*-64.06*	
10 71 16 13-0135	EA	54" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,184.42	68.19
		For Impact Bahama Shutters, Add	*432.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-26.76*	
		For >25 To 50, Deduct	*-50.95*	
		For >50, Deduct	*-75.15*	
10 71 16 13-0136	EA	54" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,355.74	81.82
		For Impact Bahama Shutters, Add	*493.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-30.80*	
		For >25 To 50, Deduct	*-58.52*	
		For >50, Deduct	*-86.25*	
10 71 16 13-0137	EA	54" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,514.78	87.28
		For Impact Bahama Shutters, Add	*553.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-34.22*	
		For >25 To 50, Deduct	*-65.17*	
		For >50, Deduct	*-96.12*	
10 71 16 13-0138	EA	54" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,684.36	99.76
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-38.17*	
		For >25 To 50, Deduct	*-72.61*	
		For >50, Deduct	*-107.04*	
10 71 16 13-0139	EA	54" Wide x 54" High, Architectural Aluminum Bahama Shutter	1,853.93	112.23
		For Impact Bahama Shutters, Add	*674.27*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-42.13*	
		For >25 To 50, Deduct	*-80.05*	
		For >50, Deduct	*-117.97*	
10 71 16 13-0140	EA	54" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,023.49	124.69
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-46.08*	
		For >25 To 50, Deduct	*-87.48*	
		For >50, Deduct	*-128.89*	
10 71 16 13-0141	EA	54" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,182.79	130.30
		For Impact Bahama Shutters, Add	*794.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-49.52*	
		For >25 To 50, Deduct	*-94.15*	
		For >50, Deduct	*-138.78*	
10 71 16 13-0142	EA	54" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,351.41	142.15
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-53.42*	
		For >25 To 50, Deduct	*-101.52*	
		For >50, Deduct	*-149.61*	
10 71 16 13-0143	EA	54" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,508.49	146.29
		For Impact Bahama Shutters, Add	*915.67*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-56.75*	
		For >25 To 50, Deduct	*-108.02*	
		For >50, Deduct	*-159.28*	
10 71 16 13-0144	EA	54" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,676.25	157.55
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-60.61*	
		For >25 To 50, Deduct	*-115.32*	
		For >50, Deduct	*-170.02*	
10 71 16 13-0145	EA	54" Wide x 90" High, Architectural Aluminum Bahama Shutter	2,831.33	160.37
		For Impact Bahama Shutters, Add	*1,036.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-63.84*	
		For >25 To 50, Deduct	*-121.67*	
		For >50, Deduct	*-179.50*	
10 71 16 13-0146	EA	54" Wide x 96" High, Architectural Aluminum Bahama Shutter	2,987.98	164.20
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-67.15*	
		For >25 To 50, Deduct	*-128.14*	
		For >50, Deduct	*-189.13*	
10 71 16 13-0147	EA	54" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,143.77	167.49
		For Impact Bahama Shutters, Add	*1,157.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-70.41*	
		For >25 To 50, Deduct	*-134.54*	
		For >50, Deduct	*-198.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0148	EA	54" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,298.79	170.25
		For Impact Bahama Shutters, Add	*1,217.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-73.63*	
		For >25 To 50, Deduct	*-140.89*	
		For >50, Deduct	*-208.14*	
10 71 16 13-0149	EA	54" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,453.07	172.52
		For Impact Bahama Shutters, Add	*1,277.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-76.82*	
		For >25 To 50, Deduct	*-147.18*	
		For >50, Deduct	*-217.53*	
10 71 16 13-0150	EA	54" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,606.65	174.34
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-79.97*	
		For >25 To 50, Deduct	*-153.41*	
		For >50, Deduct	*-226.85*	
10 71 16 13-0151	EA	60" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,089.25	60.61
		For Impact Bahama Shutters, Add	*399.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-24.51*	
		For >25 To 50, Deduct	*-46.75*	
		For >50, Deduct	*-68.99*	
10 71 16 13-0152	EA	60" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,279.60	75.77
		For Impact Bahama Shutters, Add	*466.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-29.00*	
		For >25 To 50, Deduct	*-55.16*	
		For >50, Deduct	*-81.32*	
10 71 16 13-0153	EA	60" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,469.95	90.92
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-33.49*	
		For >25 To 50, Deduct	*-63.57*	
		For >50, Deduct	*-93.65*	
10 71 16 13-0154	EA	60" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,646.68	96.98
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-37.30*	
		For >25 To 50, Deduct	*-70.96*	
		For >50, Deduct	*-104.62*	
10 71 16 13-0155	EA	60" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,835.09	110.83
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-41.69*	
		For >25 To 50, Deduct	*-79.22*	
		For >50, Deduct	*-116.75*	
10 71 16 13-0156	EA	60" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,023.49	124.69
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-46.08*	
		For >25 To 50, Deduct	*-87.48*	
		For >50, Deduct	*-128.89*	
10 71 16 13-0157	EA	60" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,211.90	138.54
		For Impact Bahama Shutters, Add	*801.68*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-50.47*	
		For >25 To 50, Deduct	*-95.75*	
		For >50, Deduct	*-141.02*	
10 71 16 13-0158	EA	60" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,388.88	144.78
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-54.29*	
		For >25 To 50, Deduct	*-103.15*	
		For >50, Deduct	*-152.01*	
10 71 16 13-0159	EA	60" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,576.25	157.93
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-58.63*	
		For >25 To 50, Deduct	*-111.34*	
		For >50, Deduct	*-164.05*	
10 71 16 13-0160	EA	60" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,750.80	162.55
		For Impact Bahama Shutters, Add	*1,002.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-62.33*	
		For >25 To 50, Deduct	*-118.56*	
		For >50, Deduct	*-174.80*	
10 71 16 13-0161	EA	60" Wide x 84" High, Architectural Aluminum Bahama Shutter	2,937.18	175.05
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-66.62*	
		For >25 To 50, Deduct	*-126.67*	
		For >50, Deduct	*-186.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0162	EA	60" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,109.50	178.18
		For Impact Bahama Shutters, Add	*1,136.95*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-70.20*	
		For >25 To 50, Deduct	*-133.73*	
		For >50, Deduct	*-197.26*	
10 71 16 13-0163	EA	60" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,283.54	182.45
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-73.88*	
		For >25 To 50, Deduct	*-140.92*	
		For >50, Deduct	*-207.95*	
10 71 16 13-0164	EA	60" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,456.66	186.11
		For Impact Bahama Shutters, Add	*1,271.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-77.50*	
		For >25 To 50, Deduct	*-148.03*	
		For >50, Deduct	*-218.56*	
10 71 16 13-0165	EA	60" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,628.89	189.17
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-81.09*	
		For >25 To 50, Deduct	*-155.08*	
		For >50, Deduct	*-229.08*	
10 71 16 13-0166	EA	60" Wide x 114" High, Architectural Aluminum Bahama Shutter	3,800.31	191.68
		For Impact Bahama Shutters, Add	*1,405.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-84.63*	
		For >25 To 50, Deduct	*-162.07*	
		For >50, Deduct	*-239.51*	
10 71 16 13-0167	EA	60" Wide x 120" High, Architectural Aluminum Bahama Shutter	3,970.98	193.71
		For Impact Bahama Shutters, Add	*1,472.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*356.05*	
		For >10 To 25, Deduct	*-88.13*	
		For >25 To 50, Deduct	*-169.00*	
		For >50, Deduct	*-249.88*	
10 71 16 13-0168		>60" To 90" Wide *(10 71 16 13-0011)*		
10 71 16 13-0169	EA	66" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,160.38	63.34
		For Impact Bahama Shutters, Add	*426.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-26.06*	
		For >25 To 50, Deduct	*-49.74*	
		For >50, Deduct	*-73.42*	
10 71 16 13-0170	EA	66" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,368.52	79.17
		For Impact Bahama Shutters, Add	*499.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-30.93*	
		For >25 To 50, Deduct	*-58.90*	
		For >50, Deduct	*-86.86*	
10 71 16 13-0171	EA	66" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,576.68	95.01
		For Impact Bahama Shutters, Add	*573.69*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-35.81*	
		For >25 To 50, Deduct	*-68.05*	
		For >50, Deduct	*-100.30*	
10 71 16 13-0172	EA	66" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,770.58	101.35
		For Impact Bahama Shutters, Add	*647.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-39.97*	
		For >25 To 50, Deduct	*-76.14*	
		For >50, Deduct	*-112.31*	
10 71 16 13-0173	EA	66" Wide x 48" High, Architectural Aluminum Bahama Shutter	1,976.68	115.81
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-44.74*	
		For >25 To 50, Deduct	*-85.14*	
		For >50, Deduct	*-125.55*	
10 71 16 13-0174	EA	66" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,182.79	130.30
		For Impact Bahama Shutters, Add	*794.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-49.52*	
		For >25 To 50, Deduct	*-94.15*	
		For >50, Deduct	*-138.78*	
10 71 16 13-0175	EA	66" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,388.88	144.78
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-54.29*	
		For >25 To 50, Deduct	*-103.15*	
		For >50, Deduct	*-152.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0176	EA	66" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,583.05	151.30
		For Impact Bahama Shutters, Add	*942.49*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-58.47*	
		For >25 To 50, Deduct	*-111.26*	
		For >50, Deduct	*-164.06*	
10 71 16 13-0177	EA	66" Wide x 72" High, Architectural Aluminum Bahama Shutter	2,788.07	165.04
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-63.18*	
		For >25 To 50, Deduct	*-120.18*	
		For >50, Deduct	*-177.18*	
10 71 16 13-0178	EA	66" Wide x 78" High, Architectural Aluminum Bahama Shutter	2,979.69	169.87
		For Impact Bahama Shutters, Add	*1,090.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-67.23*	
		For >25 To 50, Deduct	*-128.10*	
		For >50, Deduct	*-188.97*	
10 71 16 13-0179	EA	66" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,183.68	182.93
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-71.90*	
		For >25 To 50, Deduct	*-136.95*	
		For >50, Deduct	*-201.99*	
10 71 16 13-0180	EA	66" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,372.99	186.19
		For Impact Bahama Shutters, Add	*1,237.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-75.83*	
		For >25 To 50, Deduct	*-144.69*	
		For >50, Deduct	*-213.55*	
10 71 16 13-0181	EA	66" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,564.08	190.66
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-79.86*	
		For >25 To 50, Deduct	*-152.57*	
		For >50, Deduct	*-225.28*	
10 71 16 13-0182	EA	66" Wide x 102" High, Architectural Aluminum Bahama Shutter	3,754.19	194.47
		For Impact Bahama Shutters, Add	*1,385.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-83.83*	
		For >25 To 50, Deduct	*-160.37*	
		For >50, Deduct	*-236.91*	
10 71 16 13-0183	EA	66" Wide x 108" High, Architectural Aluminum Bahama Shutter	3,943.39	197.68
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-87.76*	
		For >25 To 50, Deduct	*-168.11*	
		For >50, Deduct	*-248.46*	
10 71 16 13-0184	EA	66" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,131.74	200.32
		For Impact Bahama Shutters, Add	*1,532.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-91.64*	
		For >25 To 50, Deduct	*-175.78*	
		For >50, Deduct	*-259.92*	
10 71 16 13-0185	EA	66" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,319.30	202.43
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-95.49*	
		For >25 To 50, Deduct	*-183.39*	
		For >50, Deduct	*-271.30*	
10 71 16 13-0186	EA	72" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,236.07	69.10
		For Impact Bahama Shutters, Add	*452.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-27.83*	
		For >25 To 50, Deduct	*-53.07*	
		For >50, Deduct	*-78.31*	
10 71 16 13-0187	EA	72" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,463.14	86.37
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-33.15*	
		For >25 To 50, Deduct	*-63.06*	
		For >50, Deduct	*-92.97*	
10 71 16 13-0188	EA	72" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,690.20	103.65
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-38.47*	
		For >25 To 50, Deduct	*-73.05*	
		For >50, Deduct	*-107.63*	
10 71 16 13-0189	EA	72" Wide x 42" High, Architectural Aluminum Bahama Shutter	1,901.72	110.56
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-43.01*	
		For >25 To 50, Deduct	*-81.87*	
		For >50, Deduct	*-120.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0190	EA	72" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,126.56	126.35
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-48.21*	
		For >25 To 50, Deduct	*-91.69*	
		For >50, Deduct	*-135.17*	
10 71 16 13-0191	EA	72" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,351.41	142.15
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-53.42*	
		For >25 To 50, Deduct	*-101.52*	
		For >50, Deduct	*-149.61*	
10 71 16 13-0192	EA	72" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,576.25	157.93
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-58.63*	
		For >25 To 50, Deduct	*-111.34*	
		For >50, Deduct	*-164.05*	
10 71 16 13-0193	EA	72" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,788.07	165.04
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-63.18*	
		For >25 To 50, Deduct	*-120.18*	
		For >50, Deduct	*-177.18*	
10 71 16 13-0194	EA	72" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,011.74	180.04
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-68.33*	
		For >25 To 50, Deduct	*-129.92*	
		For >50, Deduct	*-191.50*	
10 71 16 13-0195	EA	72" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,235.68	185.30
		For Impact Bahama Shutters, Add	*1,183.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-73.05*	
		For >25 To 50, Deduct	*-139.15*	
		For >50, Deduct	*-205.25*	
10 71 16 13-0196	EA	72" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,443.30	199.55
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-77.84*	
		For >25 To 50, Deduct	*-148.20*	
		For >50, Deduct	*-218.57*	
10 71 16 13-0197	EA	72" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,649.81	203.12
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-82.13*	
		For >25 To 50, Deduct	*-156.65*	
		For >50, Deduct	*-231.17*	
10 71 16 13-0198	EA	72" Wide x 96" High, Architectural Aluminum Bahama Shutter	3,858.29	208.00
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-86.52*	
		For >25 To 50, Deduct	*-165.25*	
		For >50, Deduct	*-243.97*	
10 71 16 13-0199	EA	72" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,065.68	212.15
		For Impact Bahama Shutters, Add	*1,499.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-90.86*	
		For >25 To 50, Deduct	*-173.76*	
		For >50, Deduct	*-256.66*	
10 71 16 13-0200	EA	72" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,272.09	215.64
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-95.14*	
		For >25 To 50, Deduct	*-182.20*	
		For >50, Deduct	*-269.26*	
10 71 16 13-0201	EA	72" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,477.57	218.53
		For Impact Bahama Shutters, Add	*1,659.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-99.38*	
		For >25 To 50, Deduct	*-190.57*	
		For >50, Deduct	*-281.76*	
10 71 16 13-0202	EA	72" Wide x 120" High, Architectural Aluminum Bahama Shutter	4,682.17	220.83
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*382.51*	
		For >10 To 25, Deduct	*-103.58*	
		For >25 To 50, Deduct	*-198.87*	
		For >50, Deduct	*-294.17*	
10 71 16 13-0203	EA	78" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,311.76	74.86
		For Impact Bahama Shutters, Add	*479.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-29.60*	
		For >25 To 50, Deduct	*-56.40*	
		For >50, Deduct	*-83.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0204	EA	78" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,557.74	93.58
		For Impact Bahama Shutters, Add	*566.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-35.36*	
		For >25 To 50, Deduct	*-67.22*	
		For >50, Deduct	*-99.08*	
10 71 16 13-0205	EA	78" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,803.73	112.28
		For Impact Bahama Shutters, Add	*654.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-41.12*	
		For >25 To 50, Deduct	*-78.04*	
		For >50, Deduct	*-114.96*	
10 71 16 13-0206	EA	78" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,032.89	119.76
		For Impact Bahama Shutters, Add	*741.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-46.04*	
		For >25 To 50, Deduct	*-87.60*	
		For >50, Deduct	*-129.16*	
10 71 16 13-0207	EA	78" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,276.45	136.88
		For Impact Bahama Shutters, Add	*828.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-51.69*	
		For >25 To 50, Deduct	*-98.24*	
		For >50, Deduct	*-144.80*	
10 71 16 13-0208	EA	78" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,520.05	153.98
		For Impact Bahama Shutters, Add	*915.67*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-57.33*	
		For >25 To 50, Deduct	*-108.88*	
		For >50, Deduct	*-160.44*	
10 71 16 13-0209	EA	78" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,763.63	171.09
		For Impact Bahama Shutters, Add	*1,002.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-62.97*	
		For >25 To 50, Deduct	*-119.52*	
		For >50, Deduct	*-176.08*	
10 71 16 13-0210	EA	78" Wide x 66" High, Architectural Aluminum Bahama Shutter	2,993.10	178.80
		For Impact Bahama Shutters, Add	*1,090.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-67.90*	
		For >25 To 50, Deduct	*-129.11*	
		For >50, Deduct	*-190.31*	
10 71 16 13-0211	EA	78" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,235.40	195.05
		For Impact Bahama Shutters, Add	*1,177.18*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-73.48*	
		For >25 To 50, Deduct	*-139.65*	
		For >50, Deduct	*-205.82*	
10 71 16 13-0212	EA	78" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,461.84	200.75
		For Impact Bahama Shutters, Add	*1,264.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-78.27*	
		For >25 To 50, Deduct	*-149.01*	
		For >50, Deduct	*-219.75*	
10 71 16 13-0213	EA	78" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,702.93	216.19
		For Impact Bahama Shutters, Add	*1,351.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-83.78*	
		For >25 To 50, Deduct	*-159.46*	
		For >50, Deduct	*-235.14*	
10 71 16 13-0214	EA	78" Wide x 90" High, Architectural Aluminum Bahama Shutter	3,926.65	220.05
		For Impact Bahama Shutters, Add	*1,438.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-88.43*	
		For >25 To 50, Deduct	*-168.61*	
		For >50, Deduct	*-248.80*	
10 71 16 13-0215	EA	78" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,152.50	225.33
		For Impact Bahama Shutters, Add	*1,525.87*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-93.18*	
		For >25 To 50, Deduct	*-177.92*	
		For >50, Deduct	*-262.66*	
10 71 16 13-0216	EA	78" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,377.16	229.83
		For Impact Bahama Shutters, Add	*1,613.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-97.88*	
		For >25 To 50, Deduct	*-187.15*	
		For >50, Deduct	*-276.41*	
10 71 16 13-0217	EA	78" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,600.77	233.61
		For Impact Bahama Shutters, Add	*1,700.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-102.52*	
		For >25 To 50, Deduct	*-196.29*	
		For >50, Deduct	*-290.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0218	EA	78" Wide x 114" High, Architectural Aluminum Bahama Shutter	4,823.37	236.73
		For Impact Bahama Shutters, Add	*1,787.38*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-107.12*	
		For >25 To 50, Deduct	*-205.36*	
		For >50, Deduct	*-303.60*	
10 71 16 13-0219	EA	78" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,045.03	239.23
		For Impact Bahama Shutters, Add	*1,874.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-111.66*	
		For >25 To 50, Deduct	*-214.35*	
		For >50, Deduct	*-317.05*	
10 71 16 13-0220	EA	84" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,387.45	80.62
		For Impact Bahama Shutters, Add	*506.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-31.37*	
		For >25 To 50, Deduct	*-59.73*	
		For >50, Deduct	*-88.08*	
10 71 16 13-0221	EA	84" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,652.37	100.77
		For Impact Bahama Shutters, Add	*600.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-37.58*	
		For >25 To 50, Deduct	*-71.38*	
		For >50, Deduct	*-105.19*	
10 71 16 13-0222	EA	84" Wide x 36" High, Architectural Aluminum Bahama Shutter	1,917.27	120.92
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-43.78*	
		For >25 To 50, Deduct	*-83.04*	
		For >50, Deduct	*-122.29*	
10 71 16 13-0223	EA	84" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,164.03	128.99
		For Impact Bahama Shutters, Add	*788.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-49.08*	
		For >25 To 50, Deduct	*-93.33*	
		For >50, Deduct	*-137.58*	
10 71 16 13-0224	EA	84" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,426.35	147.40
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-55.16*	
		For >25 To 50, Deduct	*-104.79*	
		For >50, Deduct	*-154.42*	
10 71 16 13-0225	EA	84" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,688.68	165.83
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-61.23*	
		For >25 To 50, Deduct	*-116.25*	
		For >50, Deduct	*-171.27*	
10 71 16 13-0226	EA	84" Wide x 60" High, Architectural Aluminum Bahama Shutter	2,950.99	184.27
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-67.31*	
		For >25 To 50, Deduct	*-127.71*	
		For >50, Deduct	*-188.11*	
10 71 16 13-0227	EA	84" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,198.13	192.56
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-72.62*	
		For >25 To 50, Deduct	*-138.03*	
		For >50, Deduct	*-203.44*	
10 71 16 13-0228	EA	84" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,459.05	210.05
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-78.63*	
		For >25 To 50, Deduct	*-149.38*	
		For >50, Deduct	*-220.14*	
10 71 16 13-0229	EA	84" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,702.93	216.19
		For Impact Bahama Shutters, Add	*1,351.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-83.78*	
		For >25 To 50, Deduct	*-159.46*	
		For >50, Deduct	*-235.14*	
10 71 16 13-0230	EA	84" Wide x 84" High, Architectural Aluminum Bahama Shutter	3,962.55	232.81
		For Impact Bahama Shutters, Add	*1,445.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-89.72*	
		For >25 To 50, Deduct	*-170.72*	
		For >50, Deduct	*-251.72*	
10 71 16 13-0231	EA	84" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,203.47	236.97
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-94.73*	
		For >25 To 50, Deduct	*-180.57*	
		For >50, Deduct	*-266.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0232	EA	84" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,446.69	242.66
		For Impact Bahama Shutters, Add	*1,633.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-99.85*	
		For >25 To 50, Deduct	*-190.60*	
		For >50, Deduct	*-281.35*	
10 71 16 13-0233	EA	84" Wide x 102" High, Architectural Aluminum Bahama Shutter	4,688.66	247.53
		For Impact Bahama Shutters, Add	*1,727.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-104.91*	
		For >25 To 50, Deduct	*-200.53*	
		For >50, Deduct	*-296.16*	
10 71 16 13-0234	EA	84" Wide x 108" High, Architectural Aluminum Bahama Shutter	4,929.47	251.59
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-109.91*	
		For >25 To 50, Deduct	*-210.38*	
		For >50, Deduct	*-310.86*	
10 71 16 13-0235	EA	84" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,169.19	254.95
		For Impact Bahama Shutters, Add	*1,914.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-114.85*	
		For >25 To 50, Deduct	*-220.15*	
		For >50, Deduct	*-325.44*	
10 71 16 13-0236	EA	84" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,407.90	257.63
		For Impact Bahama Shutters, Add	*2,008.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*411.84*	
		For >10 To 25, Deduct	*-119.75*	
		For >25 To 50, Deduct	*-229.83*	
		For >50, Deduct	*-339.92*	
10 71 16 13-0237	EA	90" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,463.14	86.37
		For Impact Bahama Shutters, Add	*533.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-33.15*	
		For >25 To 50, Deduct	*-63.06*	
		For >50, Deduct	*-92.97*	
10 71 16 13-0238	EA	90" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,746.97	107.97
		For Impact Bahama Shutters, Add	*634.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-39.80*	
		For >25 To 50, Deduct	*-75.54*	
		For >50, Deduct	*-111.29*	
10 71 16 13-0239	EA	90" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,030.79	129.57
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-46.44*	
		For >25 To 50, Deduct	*-88.03*	
		For >50, Deduct	*-129.62*	
10 71 16 13-0240	EA	90" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,295.21	138.20
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-52.12*	
		For >25 To 50, Deduct	*-99.06*	
		For >50, Deduct	*-146.00*	
10 71 16 13-0241	EA	90" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,576.25	157.93
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-58.63*	
		For >25 To 50, Deduct	*-111.34*	
		For >50, Deduct	*-164.05*	
10 71 16 13-0242	EA	90" Wide x 54" High, Architectural Aluminum Bahama Shutter	2,857.30	177.67
		For Impact Bahama Shutters, Add	*1,036.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-65.14*	
		For >25 To 50, Deduct	*-123.62*	
		For >50, Deduct	*-182.09*	
10 71 16 13-0243	EA	90" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,138.36	197.42
		For Impact Bahama Shutters, Add	*1,136.95*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-71.65*	
		For >25 To 50, Deduct	*-135.89*	
		For >50, Deduct	*-200.14*	
10 71 16 13-0244	EA	90" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,403.14	206.31
		For Impact Bahama Shutters, Add	*1,237.53*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-77.34*	
		For >25 To 50, Deduct	*-146.95*	
		For >50, Deduct	*-216.56*	
10 71 16 13-0245	EA	90" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,682.70	225.07
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-83.78*	
		For >25 To 50, Deduct	*-159.12*	
		For >50, Deduct	*-234.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0246	EA	90" Wide x 78" High, Architectural Aluminum Bahama Shutter	3,944.01	231.64
		For Impact Bahama Shutters, Add	*1,438.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-89.30*	
		For >25 To 50, Deduct	*-169.91*	
		For >50, Deduct	*-250.53*	
10 71 16 13-0247	EA	90" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,222.17	249.45
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-95.66*	
		For >25 To 50, Deduct	*-181.98*	
		For >50, Deduct	*-268.29*	
10 71 16 13-0248	EA	90" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,480.32	253.90
		For Impact Bahama Shutters, Add	*1,639.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-101.03*	
		For >25 To 50, Deduct	*-192.54*	
		For >50, Deduct	*-284.05*	
10 71 16 13-0249	EA	90" Wide x 96" High, Architectural Aluminum Bahama Shutter	4,740.90	259.99
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-106.51*	
		For >25 To 50, Deduct	*-203.28*	
		For >50, Deduct	*-300.05*	
10 71 16 13-0250	EA	90" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,000.14	265.19
		For Impact Bahama Shutters, Add	*1,841.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-111.93*	
		For >25 To 50, Deduct	*-213.92*	
		For >50, Deduct	*-315.91*	
10 71 16 13-0251	EA	90" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,258.14	269.55
		For Impact Bahama Shutters, Add	*1,941.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-117.29*	
		For >25 To 50, Deduct	*-224.47*	
		For >50, Deduct	*-331.65*	
10 71 16 13-0252	EA	90" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,514.99	273.15
		For Impact Bahama Shutters, Add	*2,042.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-122.59*	
		For >25 To 50, Deduct	*-234.93*	
		For >50, Deduct	*-347.28*	
10 71 16 13-0253	EA	90" Wide x 120" High, Architectural Aluminum Bahama Shutter	5,770.76	276.04
		For Impact Bahama Shutters, Add	*2,142.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-127.83*	
		For >25 To 50, Deduct	*-245.31*	
		For >50, Deduct	*-362.80*	

10 71 16 13-0254 >90" Wide *(10 71 16 13-0011)*

10 71 16 13-0255	EA	96" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,531.92	87.53
		For Impact Bahama Shutters, Add	*560.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-34.58*	
		For >25 To 50, Deduct	*-65.87*	
		For >50, Deduct	*-97.16*	
10 71 16 13-0256	EA	96" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,832.95	109.41
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-41.58*	
		For >25 To 50, Deduct	*-79.06*	
		For >50, Deduct	*-116.54*	
10 71 16 13-0257	EA	96" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,133.98	131.29
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-48.58*	
		For >25 To 50, Deduct	*-92.25*	
		For >50, Deduct	*-135.91*	
10 71 16 13-0258	EA	96" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,415.30	140.04
		For Impact Bahama Shutters, Add	*882.14*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-54.60*	
		For >25 To 50, Deduct	*-103.96*	
		For >50, Deduct	*-153.32*	
10 71 16 13-0259	EA	96" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,713.52	160.05
		For Impact Bahama Shutters, Add	*989.43*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-61.47*	
		For >25 To 50, Deduct	*-116.94*	
		For >50, Deduct	*-172.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0260	EA	96" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,011.74	180.04
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-68.33*	
		For >25 To 50, Deduct	*-129.92*	
		For >50, Deduct	*-191.50*	
10 71 16 13-0261	EA	96" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,309.95	200.06
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-75.20*	
		For >25 To 50, Deduct	*-142.90*	
		For >50, Deduct	*-210.59*	
10 71 16 13-0262	EA	96" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,591.66	209.06
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-81.24*	
		For >25 To 50, Deduct	*-154.64*	
		For >50, Deduct	*-228.04*	
10 71 16 13-0263	EA	96" Wide x 72" High, Architectural Aluminum Bahama Shutter	3,888.38	228.07
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-88.03*	
		For >25 To 50, Deduct	*-167.50*	
		For >50, Deduct	*-246.98*	
10 71 16 13-0264	EA	96" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,166.57	234.72
		For Impact Bahama Shutters, Add	*1,525.87*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-93.89*	
		For >25 To 50, Deduct	*-178.98*	
		For >50, Deduct	*-264.07*	
10 71 16 13-0265	EA	96" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,461.85	252.76
		For Impact Bahama Shutters, Add	*1,633.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-100.61*	
		For >25 To 50, Deduct	*-191.74*	
		For >50, Deduct	*-282.87*	
10 71 16 13-0266	EA	96" Wide x 90" High, Architectural Aluminum Bahama Shutter	4,736.83	257.29
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-106.31*	
		For >25 To 50, Deduct	*-202.97*	
		For >50, Deduct	*-299.64*	
10 71 16 13-0267	EA	96" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,014.32	263.47
		For Impact Bahama Shutters, Add	*1,847.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-112.14*	
		For >25 To 50, Deduct	*-214.40*	
		For >50, Deduct	*-316.66*	
10 71 16 13-0268	EA	96" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,290.43	268.72
		For Impact Bahama Shutters, Add	*1,955.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-117.90*	
		For >25 To 50, Deduct	*-225.72*	
		For >50, Deduct	*-333.54*	
10 71 16 13-0269	EA	96" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,565.28	273.15
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-123.59*	
		For >25 To 50, Deduct	*-236.94*	
		For >50, Deduct	*-350.30*	
10 71 16 13-0270	EA	96" Wide x 114" High, Architectural Aluminum Bahama Shutter	5,838.96	276.80
		For Impact Bahama Shutters, Add	*2,169.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-129.23*	
		For >25 To 50, Deduct	*-248.08*	
		For >50, Deduct	*-366.94*	
10 71 16 13-0271	EA	96" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,111.57	279.71
		For Impact Bahama Shutters, Add	*2,276.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*441.17*	
		For >10 To 25, Deduct	*-134.81*	
		For >25 To 50, Deduct	*-259.14*	
		For >50, Deduct	*-383.47*	
10 71 16 13-0272	EA	102" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,607.17	92.98
		For Impact Bahama Shutters, Add	*587.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-36.33*	
		For >25 To 50, Deduct	*-69.17*	
		For >50, Deduct	*-102.01*	
10 71 16 13-0273	EA	102" Wide x 30" High, Architectural Aluminum Bahama Shutter	1,927.01	116.25
		For Impact Bahama Shutters, Add	*701.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-43.77*	
		For >25 To 50, Deduct	*-83.18*	
		For >50, Deduct	*-122.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0274	EA	102" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,246.85	139.49
		For Impact Bahama Shutters, Add	*815.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-51.21*	
		For >25 To 50, Deduct	*-97.19*	
		For >50, Deduct	*-143.18*	
10 71 16 13-0275	EA	102" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,545.77	148.79
		For Impact Bahama Shutters, Add	*929.08*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-57.61*	
		For >25 To 50, Deduct	*-109.64*	
		For >50, Deduct	*-161.67*	
10 71 16 13-0276	EA	102" Wide x 48" High, Architectural Aluminum Bahama Shutter	2,862.63	170.05
		For Impact Bahama Shutters, Add	*1,043.07*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-64.90*	
		For >25 To 50, Deduct	*-123.43*	
		For >50, Deduct	*-181.96*	
10 71 16 13-0277	EA	102" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,179.47	191.31
		For Impact Bahama Shutters, Add	*1,157.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-72.19*	
		For >25 To 50, Deduct	*-137.22*	
		For >50, Deduct	*-202.24*	
10 71 16 13-0278	EA	102" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,496.32	212.55
		For Impact Bahama Shutters, Add	*1,271.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-79.49*	
		For >25 To 50, Deduct	*-151.01*	
		For >50, Deduct	*-222.53*	
10 71 16 13-0279	EA	102" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,795.66	222.13
		For Impact Bahama Shutters, Add	*1,385.05*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-85.90*	
		For >25 To 50, Deduct	*-163.48*	
		For >50, Deduct	*-241.06*	
10 71 16 13-0280	EA	102" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,110.91	242.32
		For Impact Bahama Shutters, Add	*1,499.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-93.12*	
		For >25 To 50, Deduct	*-177.15*	
		For >50, Deduct	*-261.19*	
10 71 16 13-0281	EA	102" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,406.48	249.39
		For Impact Bahama Shutters, Add	*1,613.04*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-99.35*	
		For >25 To 50, Deduct	*-189.35*	
		For >50, Deduct	*-279.34*	
10 71 16 13-0282	EA	102" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,720.24	268.57
		For Impact Bahama Shutters, Add	*1,727.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-106.48*	
		For >25 To 50, Deduct	*-202.90*	
		For >50, Deduct	*-299.32*	
10 71 16 13-0283	EA	102" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,012.40	273.36
		For Impact Bahama Shutters, Add	*1,841.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-112.54*	
		For >25 To 50, Deduct	*-214.84*	
		For >50, Deduct	*-317.14*	
10 71 16 13-0284	EA	102" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,307.22	279.94
		For Impact Bahama Shutters, Add	*1,955.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-118.73*	
		For >25 To 50, Deduct	*-226.98*	
		For >50, Deduct	*-335.22*	
10 71 16 13-0285	EA	102" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,600.59	285.52
		For Impact Bahama Shutters, Add	*2,069.01*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-124.85*	
		For >25 To 50, Deduct	*-239.01*	
		For >50, Deduct	*-353.16*	
10 71 16 13-0286	EA	102" Wide x 108" High, Architectural Aluminum Bahama Shutter	5,892.64	290.24
		For Impact Bahama Shutters, Add	*2,183.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-130.91*	
		For >25 To 50, Deduct	*-250.94*	
		For >50, Deduct	*-370.96*	
10 71 16 13-0287	EA	102" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,183.42	294.09
		For Impact Bahama Shutters, Add	*2,297.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-136.90*	
		For >25 To 50, Deduct	*-262.77*	
		For >50, Deduct	*-388.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0288	EA	102" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,473.04	297.19
		For Impact Bahama Shutters, Add	*2,410.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-142.83*	
		For >25 To 50, Deduct	*-274.52*	
		For >50, Deduct	*-406.21*	
10 71 16 13-0289	EA	108" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,682.43	98.46
		For Impact Bahama Shutters, Add	*613.92*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-38.08*	
		For >25 To 50, Deduct	*-72.46*	
		For >50, Deduct	*-106.85*	
10 71 16 13-0290	EA	108" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,021.08	123.08
		For Impact Bahama Shutters, Add	*734.62*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-45.96*	
		For >25 To 50, Deduct	*-87.30*	
		For >50, Deduct	*-128.65*	
10 71 16 13-0291	EA	108" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,359.74	147.70
		For Impact Bahama Shutters, Add	*855.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-53.84*	
		For >25 To 50, Deduct	*-102.14*	
		For >50, Deduct	*-150.44*	
10 71 16 13-0292	EA	108" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,676.25	157.55
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-60.61*	
		For >25 To 50, Deduct	*-115.32*	
		For >50, Deduct	*-170.02*	
10 71 16 13-0293	EA	108" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,011.74	180.04
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-68.33*	
		For >25 To 50, Deduct	*-129.92*	
		For >50, Deduct	*-191.50*	
10 71 16 13-0294	EA	108" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,347.24	202.56
		For Impact Bahama Shutters, Add	*1,217.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-76.06*	
		For >25 To 50, Deduct	*-144.52*	
		For >50, Deduct	*-212.98*	
10 71 16 13-0295	EA	108" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,682.70	225.07
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-83.78*	
		For >25 To 50, Deduct	*-159.12*	
		For >50, Deduct	*-234.46*	
10 71 16 13-0296	EA	108" Wide x 66" High, Architectural Aluminum Bahama Shutter	3,999.63	235.20
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-90.57*	
		For >25 To 50, Deduct	*-172.33*	
		For >50, Deduct	*-254.08*	
10 71 16 13-0297	EA	108" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,333.45	256.57
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-98.21*	
		For >25 To 50, Deduct	*-186.80*	
		For >50, Deduct	*-275.39*	
10 71 16 13-0298	EA	108" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,646.41	264.05
		For Impact Bahama Shutters, Add	*1,700.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-104.80*	
		For >25 To 50, Deduct	*-199.71*	
		For >50, Deduct	*-294.62*	
10 71 16 13-0299	EA	108" Wide x 84" High, Architectural Aluminum Bahama Shutter	4,978.61	284.37
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-112.36*	
		For >25 To 50, Deduct	*-214.07*	
		For >50, Deduct	*-315.77*	
10 71 16 13-0300	EA	108" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,287.97	289.45
		For Impact Bahama Shutters, Add	*1,941.60*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-118.78*	
		For >25 To 50, Deduct	*-226.71*	
		For >50, Deduct	*-334.64*	
10 71 16 13-0301	EA	108" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,600.13	296.39
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-125.33*	
		For >25 To 50, Deduct	*-239.56*	
		For >50, Deduct	*-353.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0302	EA	108" Wide x 102" High, Architectural Aluminum Bahama Shutter	5,910.76	302.33
		For Impact Bahama Shutters, Add	*2,183.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-131.81*	
		For >25 To 50, Deduct	*-252.29*	
		For >50, Deduct	*-372.78*	
10 71 16 13-0303	EA	108" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,219.97	307.30
		For Impact Bahama Shutters, Add	*2,303.70*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-138.22*	
		For >25 To 50, Deduct	*-264.92*	
		For >50, Deduct	*-391.63*	
10 71 16 13-0304	EA	108" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,527.86	311.39
		For Impact Bahama Shutters, Add	*2,424.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-144.56*	
		For >25 To 50, Deduct	*-277.45*	
		For >50, Deduct	*-410.35*	
10 71 16 13-0305	EA	108" Wide x 120" High, Architectural Aluminum Bahama Shutter	6,834.53	314.68
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*477.66*	
		For >10 To 25, Deduct	*-150.84*	
		For >25 To 50, Deduct	*-289.89*	
		For >50, Deduct	*-428.94*	
10 71 16 13-0306	EA	114" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,757.69	103.93
		For Impact Bahama Shutters, Add	*640.74*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-39.83*	
		For >25 To 50, Deduct	*-75.76*	
		For >50, Deduct	*-111.69*	
10 71 16 13-0307	EA	114" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,115.15	129.92
		For Impact Bahama Shutters, Add	*768.15*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-48.15*	
		For >25 To 50, Deduct	*-91.42*	
		For >50, Deduct	*-134.70*	
10 71 16 13-0308	EA	114" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,472.62	155.90
		For Impact Bahama Shutters, Add	*895.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-56.46*	
		For >25 To 50, Deduct	*-107.09*	
		For >50, Deduct	*-157.71*	
10 71 16 13-0309	EA	114" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,806.71	166.30
		For Impact Bahama Shutters, Add	*1,022.96*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-63.61*	
		For >25 To 50, Deduct	*-120.99*	
		For >50, Deduct	*-178.38*	
10 71 16 13-0310	EA	114" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,160.85	190.06
		For Impact Bahama Shutters, Add	*1,150.36*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-71.77*	
		For >25 To 50, Deduct	*-136.41*	
		For >50, Deduct	*-201.05*	
10 71 16 13-0311	EA	114" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,514.97	213.80
		For Impact Bahama Shutters, Add	*1,277.76*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-79.92*	
		For >25 To 50, Deduct	*-151.82*	
		For >50, Deduct	*-223.72*	
10 71 16 13-0312	EA	114" Wide x 60" High, Architectural Aluminum Bahama Shutter	3,869.09	237.57
		For Impact Bahama Shutters, Add	*1,405.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-88.07*	
		For >25 To 50, Deduct	*-167.23*	
		For >50, Deduct	*-246.39*	
10 71 16 13-0313	EA	114" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,203.63	248.26
		For Impact Bahama Shutters, Add	*1,532.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-95.24*	
		For >25 To 50, Deduct	*-181.17*	
		For >50, Deduct	*-267.11*	
10 71 16 13-0314	EA	114" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,555.97	270.82
		For Impact Bahama Shutters, Add	*1,659.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-103.30*	
		For >25 To 50, Deduct	*-196.45*	
		For >50, Deduct	*-289.60*	
10 71 16 13-0315	EA	114" Wide x 78" High, Architectural Aluminum Bahama Shutter	4,886.34	278.72
		For Impact Bahama Shutters, Add	*1,787.38*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-110.26*	
		For >25 To 50, Deduct	*-210.08*	
		For >50, Deduct	*-309.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0316	EA	114" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,236.98	300.17
		For Impact Bahama Shutters, Add	*1,914.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-118.24*	
		For >25 To 50, Deduct	*-225.23*	
		For >50, Deduct	*-332.22*	
10 71 16 13-0317	EA	114" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,563.53	305.53
		For Impact Bahama Shutters, Add	*2,042.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-125.01*	
		For >25 To 50, Deduct	*-238.57*	
		For >50, Deduct	*-352.13*	
10 71 16 13-0318	EA	114" Wide x 96" High, Architectural Aluminum Bahama Shutter	5,893.03	312.86
		For Impact Bahama Shutters, Add	*2,169.59*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-131.93*	
		For >25 To 50, Deduct	*-252.14*	
		For >50, Deduct	*-372.34*	
10 71 16 13-0319	EA	114" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,220.92	319.12
		For Impact Bahama Shutters, Add	*2,297.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-138.77*	
		For >25 To 50, Deduct	*-265.58*	
		For >50, Deduct	*-392.39*	
10 71 16 13-0320	EA	114" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,547.32	324.38
		For Impact Bahama Shutters, Add	*2,424.40*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-145.54*	
		For >25 To 50, Deduct	*-278.91*	
		For >50, Deduct	*-412.29*	
10 71 16 13-0321	EA	114" Wide x 114" High, Architectural Aluminum Bahama Shutter	6,872.31	328.70
		For Impact Bahama Shutters, Add	*2,551.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-152.23*	
		For >25 To 50, Deduct	*-292.14*	
		For >50, Deduct	*-432.05*	
10 71 16 13-0322	EA	114" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,196.01	332.16
		For Impact Bahama Shutters, Add	*2,679.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*514.13*	
		For >10 To 25, Deduct	*-158.86*	
		For >25 To 50, Deduct	*-305.27*	
		For >50, Deduct	*-451.68*	
10 71 16 13-0323	EA	120" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,832.95	109.41
		For Impact Bahama Shutters, Add	*667.57*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-41.58*	
		For >25 To 50, Deduct	*-79.06*	
		For >50, Deduct	*-116.54*	
10 71 16 13-0324	EA	120" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,209.22	136.76
		For Impact Bahama Shutters, Add	*801.68*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-50.34*	
		For >25 To 50, Deduct	*-95.54*	
		For >50, Deduct	*-140.75*	
10 71 16 13-0325	EA	120" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,585.50	164.11
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-59.09*	
		For >25 To 50, Deduct	*-112.03*	
		For >50, Deduct	*-164.97*	
10 71 16 13-0326	EA	120" Wide x 42" High, Architectural Aluminum Bahama Shutter	2,937.18	175.05
		For Impact Bahama Shutters, Add	*1,069.90*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-66.62*	
		For >25 To 50, Deduct	*-126.67*	
		For >50, Deduct	*-186.73*	
10 71 16 13-0327	EA	120" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,309.95	200.06
		For Impact Bahama Shutters, Add	*1,204.00*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-75.20*	
		For >25 To 50, Deduct	*-142.90*	
		For >50, Deduct	*-210.59*	
10 71 16 13-0328	EA	120" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,682.70	225.07
		For Impact Bahama Shutters, Add	*1,338.11*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-83.78*	
		For >25 To 50, Deduct	*-159.12*	
		For >50, Deduct	*-234.46*	
10 71 16 13-0329	EA	120" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,055.47	250.07
		For Impact Bahama Shutters, Add	*1,472.22*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-92.36*	
		For >25 To 50, Deduct	*-175.34*	
		For >50, Deduct	*-258.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0330	EA	120" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,407.63	261.33
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-99.91*	
		For >25 To 50, Deduct	*-190.02*	
		For >50, Deduct	*-280.13*	
10 71 16 13-0331	EA	120" Wide x 72" High, Architectural Aluminum Bahama Shutter	4,778.51	285.09
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-108.39*	
		For >25 To 50, Deduct	*-206.10*	
		For >50, Deduct	*-303.81*	
10 71 16 13-0332	EA	120" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,126.26	293.40
		For Impact Bahama Shutters, Add	*1,874.55*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-115.72*	
		For >25 To 50, Deduct	*-220.45*	
		For >50, Deduct	*-325.17*	
10 71 16 13-0333	EA	120" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,495.36	315.96
		For Impact Bahama Shutters, Add	*2,008.66*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-124.12*	
		For >25 To 50, Deduct	*-236.39*	
		For >50, Deduct	*-348.67*	
10 71 16 13-0334	EA	120" Wide x 90" High, Architectural Aluminum Bahama Shutter	5,839.09	321.60
		For Impact Bahama Shutters, Add	*2,142.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-131.25*	
		For >25 To 50, Deduct	*-250.44*	
		For >50, Deduct	*-369.63*	
10 71 16 13-0335	EA	120" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,185.94	329.32
		For Impact Bahama Shutters, Add	*2,276.88*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-138.53*	
		For >25 To 50, Deduct	*-264.72*	
		For >50, Deduct	*-390.91*	
10 71 16 13-0336	EA	120" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,531.09	335.91
		For Impact Bahama Shutters, Add	*2,410.99*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-145.73*	
		For >25 To 50, Deduct	*-278.87*	
		For >50, Deduct	*-412.01*	
10 71 16 13-0337	EA	120" Wide x 108" High, Architectural Aluminum Bahama Shutter	6,874.64	341.44
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-152.85*	
		For >25 To 50, Deduct	*-292.90*	
		For >50, Deduct	*-432.95*	
10 71 16 13-0338	EA	120" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,216.75	346.00
		For Impact Bahama Shutters, Add	*2,679.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-159.90*	
		For >25 To 50, Deduct	*-306.83*	
		For >50, Deduct	*-453.75*	
10 71 16 13-0339	EA	120" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,557.48	349.64
		For Impact Bahama Shutters, Add	*2,813.32*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*528.34*	
		For >10 To 25, Deduct	*-166.88*	
		For >25 To 50, Deduct	*-320.65*	
		For >50, Deduct	*-474.42*	
10 71 16 13-0340	EA	126" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,908.21	114.88
		For Impact Bahama Shutters, Add	*694.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-43.33*	
		For >25 To 50, Deduct	*-82.36*	
		For >50, Deduct	*-121.38*	
10 71 16 13-0341	EA	126" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,303.30	143.60
		For Impact Bahama Shutters, Add	*835.20*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-52.52*	
		For >25 To 50, Deduct	*-99.67*	
		For >50, Deduct	*-146.81*	
10 71 16 13-0342	EA	126" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,698.39	172.32
		For Impact Bahama Shutters, Add	*976.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-61.72*	
		For >25 To 50, Deduct	*-116.98*	
		For >50, Deduct	*-172.24*	
10 71 16 13-0343	EA	126" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,067.64	183.81
		For Impact Bahama Shutters, Add	*1,116.83*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-69.62*	
		For >25 To 50, Deduct	*-132.35*	
		For >50, Deduct	*-195.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0344	EA	126" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,459.05	210.05
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-78.63*	
		For >25 To 50, Deduct	*-149.38*	
		For >50, Deduct	*-220.14*	
10 71 16 13-0345	EA	126" Wide x 54" High, Architectural Aluminum Bahama Shutter	3,850.46	236.31
		For Impact Bahama Shutters, Add	*1,398.46*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-87.64*	
		For >25 To 50, Deduct	*-166.42*	
		For >50, Deduct	*-245.20*	
10 71 16 13-0346	EA	126" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,241.85	262.58
		For Impact Bahama Shutters, Add	*1,539.28*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-96.65*	
		For >25 To 50, Deduct	*-183.45*	
		For >50, Deduct	*-270.26*	
10 71 16 13-0347	EA	126" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,611.61	274.39
		For Impact Bahama Shutters, Add	*1,680.09*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-104.57*	
		For >25 To 50, Deduct	*-198.86*	
		For >50, Deduct	*-293.15*	
10 71 16 13-0348	EA	126" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,001.06	299.34
		For Impact Bahama Shutters, Add	*1,820.91*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-113.48*	
		For >25 To 50, Deduct	*-215.75*	
		For >50, Deduct	*-318.02*	
10 71 16 13-0349	EA	126" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,366.17	308.07
		For Impact Bahama Shutters, Add	*1,961.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-121.18*	
		For >25 To 50, Deduct	*-230.81*	
		For >50, Deduct	*-340.45*	
10 71 16 13-0350	EA	126" Wide x 84" High, Architectural Aluminum Bahama Shutter	5,753.74	331.76
		For Impact Bahama Shutters, Add	*2,102.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-130.00*	
		For >25 To 50, Deduct	*-247.56*	
		For >50, Deduct	*-365.12*	
10 71 16 13-0351	EA	126" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,114.65	337.68
		For Impact Bahama Shutters, Add	*2,243.35*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-137.48*	
		For >25 To 50, Deduct	*-262.31*	
		For >50, Deduct	*-387.13*	
10 71 16 13-0352	EA	126" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,478.85	345.80
		For Impact Bahama Shutters, Add	*2,384.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-145.13*	
		For >25 To 50, Deduct	*-277.30*	
		For >50, Deduct	*-409.47*	
10 71 16 13-0353	EA	126" Wide x 102" High, Architectural Aluminum Bahama Shutter	6,841.25	352.70
		For Impact Bahama Shutters, Add	*2,524.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-152.69*	
		For >25 To 50, Deduct	*-292.16*	
		For >50, Deduct	*-431.63*	
10 71 16 13-0354	EA	126" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,202.00	358.51
		For Impact Bahama Shutters, Add	*2,665.80*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-160.17*	
		For >25 To 50, Deduct	*-306.89*	
		For >50, Deduct	*-453.62*	
10 71 16 13-0355	EA	126" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,561.21	363.30
		For Impact Bahama Shutters, Add	*2,806.61*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-167.56*	
		For >25 To 50, Deduct	*-321.51*	
		For >50, Deduct	*-475.46*	
10 71 16 13-0356	EA	126" Wide x 120" High, Architectural Aluminum Bahama Shutter	7,918.97	367.12
		For Impact Bahama Shutters, Add	*2,947.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-174.89*	
		For >25 To 50, Deduct	*-336.02*	
		For >50, Deduct	*-497.15*	
10 71 16 13-0357	EA	132" Wide x 24" High, Architectural Aluminum Bahama Shutter	1,983.46	120.34
		For Impact Bahama Shutters, Add	*721.21*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-45.08*	
		For >25 To 50, Deduct	*-85.65*	
		For >50, Deduct	*-126.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0358	EA	132" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,397.37	150.44
		For Impact Bahama Shutters, Add	*868.73*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-54.71*	
		For >25 To 50, Deduct	*-103.79*	
		For >50, Deduct	*-152.86*	
10 71 16 13-0359	EA	132" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,811.28	180.52
		For Impact Bahama Shutters, Add	*1,016.25*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-64.35*	
		For >25 To 50, Deduct	*-121.92*	
		For >50, Deduct	*-179.50*	
10 71 16 13-0360	EA	132" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,198.13	192.56
		For Impact Bahama Shutters, Add	*1,163.77*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-72.62*	
		For >25 To 50, Deduct	*-138.03*	
		For >50, Deduct	*-203.44*	
10 71 16 13-0361	EA	132" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,608.16	220.07
		For Impact Bahama Shutters, Add	*1,311.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-82.06*	
		For >25 To 50, Deduct	*-155.87*	
		For >50, Deduct	*-229.69*	
10 71 16 13-0362	EA	132" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,018.20	247.57
		For Impact Bahama Shutters, Add	*1,458.81*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-91.50*	
		For >25 To 50, Deduct	*-173.72*	
		For >50, Deduct	*-255.94*	
10 71 16 13-0363	EA	132" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,428.24	275.07
		For Impact Bahama Shutters, Add	*1,606.33*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-100.94*	
		For >25 To 50, Deduct	*-191.56*	
		For >50, Deduct	*-282.19*	
10 71 16 13-0364	EA	132" Wide x 66" High, Architectural Aluminum Bahama Shutter	4,815.60	287.46
		For Impact Bahama Shutters, Add	*1,753.85*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-109.24*	
		For >25 To 50, Deduct	*-207.71*	
		For >50, Deduct	*-306.17*	
10 71 16 13-0365	EA	132" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,223.58	313.59
		For Impact Bahama Shutters, Add	*1,901.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-118.58*	
		For >25 To 50, Deduct	*-225.40*	
		For >50, Deduct	*-332.22*	
10 71 16 13-0366	EA	132" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,606.10	322.74
		For Impact Bahama Shutters, Add	*2,048.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-126.64*	
		For >25 To 50, Deduct	*-241.18*	
		For >50, Deduct	*-355.72*	
10 71 16 13-0367	EA	132" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,012.12	347.56
		For Impact Bahama Shutters, Add	*2,196.41*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-135.88*	
		For >25 To 50, Deduct	*-258.72*	
		For >50, Deduct	*-381.57*	
10 71 16 13-0368	EA	132" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,390.21	353.77
		For Impact Bahama Shutters, Add	*2,343.93*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-143.72*	
		For >25 To 50, Deduct	*-274.17*	
		For >50, Deduct	*-404.63*	
10 71 16 13-0369	EA	132" Wide x 96" High, Architectural Aluminum Bahama Shutter	6,771.74	362.26
		For Impact Bahama Shutters, Add	*2,491.45*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-151.73*	
		For >25 To 50, Deduct	*-289.88*	
		For >50, Deduct	*-428.03*	
10 71 16 13-0370	EA	132" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,151.43	369.50
		For Impact Bahama Shutters, Add	*2,638.98*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-159.65*	
		For >25 To 50, Deduct	*-305.45*	
		For >50, Deduct	*-451.25*	
10 71 16 13-0371	EA	132" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,529.35	375.59
		For Impact Bahama Shutters, Add	*2,786.50*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-167.48*	
		For >25 To 50, Deduct	*-320.88*	
		For >50, Deduct	*-474.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0372	EA	132" Wide x 114" High, Architectural Aluminum Bahama Shutter	7,905.65	380.59
		For Impact Bahama Shutters, Add	*2,934.02*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For >10 To 25, Deduct	*-175.23*	
		For >25 To 50, Deduct	*-336.20*	
		For >50, Deduct	*-497.16*	
10 71 16 13-0373	EA	132" Wide x 120" High, Architectural Aluminum Bahama Shutter	8,280.45	384.60
		For Impact Bahama Shutters, Add	*3,081.54*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*542.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-182.91*	
		For >25 To 50, Deduct	*-351.40*	
		For >50, Deduct	*-519.89*	
10 71 16 13-0374	EA	138" Wide x 24" High, Architectural Aluminum Bahama Shutter	2,058.71	125.82
		For Impact Bahama Shutters, Add	*748.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-46.83*	
		For >25 To 50, Deduct	*-88.95*	
		For >50, Deduct	*-131.07*	
10 71 16 13-0375	EA	138" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,491.43	157.28
		For Impact Bahama Shutters, Add	*902.26*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-56.90*	
		For >25 To 50, Deduct	*-107.91*	
		For >50, Deduct	*-158.92*	
10 71 16 13-0376	EA	138" Wide x 36" High, Architectural Aluminum Bahama Shutter	2,924.15	188.72
		For Impact Bahama Shutters, Add	*1,056.48*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-66.97*	
		For >25 To 50, Deduct	*-126.87*	
		For >50, Deduct	*-186.77*	
10 71 16 13-0377	EA	138" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,328.58	201.30
		For Impact Bahama Shutters, Add	*1,210.71*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-75.63*	
		For >25 To 50, Deduct	*-143.71*	
		For >50, Deduct	*-211.79*	
10 71 16 13-0378	EA	138" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,757.26	230.07
		For Impact Bahama Shutters, Add	*1,364.94*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-85.49*	
		For >25 To 50, Deduct	*-162.36*	
		For >50, Deduct	*-239.23*	
10 71 16 13-0379	EA	138" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,185.95	258.83
		For Impact Bahama Shutters, Add	*1,519.16*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-95.36*	
		For >25 To 50, Deduct	*-181.02*	
		For >50, Deduct	*-266.68*	
10 71 16 13-0380	EA	138" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,614.62	287.59
		For Impact Bahama Shutters, Add	*1,673.39*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-105.23*	
		For >25 To 50, Deduct	*-199.68*	
		For >50, Deduct	*-294.12*	
10 71 16 13-0381	EA	138" Wide x 66" High, Architectural Aluminum Bahama Shutter	5,019.60	300.52
		For Impact Bahama Shutters, Add	*1,827.61*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-113.91*	
		For >25 To 50, Deduct	*-216.55*	
		For >50, Deduct	*-319.20*	
10 71 16 13-0382	EA	138" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,446.13	327.84
		For Impact Bahama Shutters, Add	*1,981.84*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-123.67*	
		For >25 To 50, Deduct	*-235.05*	
		For >50, Deduct	*-346.43*	
10 71 16 13-0383	EA	138" Wide x 78" High, Architectural Aluminum Bahama Shutter	5,846.02	337.41
		For Impact Bahama Shutters, Add	*2,136.06*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-132.10*	
		For >25 To 50, Deduct	*-251.55*	
		For >50, Deduct	*-371.00*	
10 71 16 13-0384	EA	138" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,270.48	363.37
		For Impact Bahama Shutters, Add	*2,290.29*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-141.75*	
		For >25 To 50, Deduct	*-269.89*	
		For >50, Deduct	*-398.02*	
10 71 16 13-0385	EA	138" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,665.78	369.84
		For Impact Bahama Shutters, Add	*2,444.52*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-149.95*	
		For >25 To 50, Deduct	*-286.04*	
		For >50, Deduct	*-422.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0386	EA	138" Wide x 96" High, Architectural Aluminum Bahama Shutter	7,064.65	378.72
		For Impact Bahama Shutters, Add	*2,598.74*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-158.33*	
		For >25 To 50, Deduct	*-302.46*	
		For >50, Deduct	*-446.59*	
10 71 16 13-0387	EA	138" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,461.57	386.30
		For Impact Bahama Shutters, Add	*2,752.97*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-166.61*	
		For >25 To 50, Deduct	*-318.73*	
		For >50, Deduct	*-470.86*	
10 71 16 13-0388	EA	138" Wide x 108" High, Architectural Aluminum Bahama Shutter	7,856.67	392.66
		For Impact Bahama Shutters, Add	*2,907.19*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-174.79*	
		For >25 To 50, Deduct	*-334.87*	
		For >50, Deduct	*-494.95*	
10 71 16 13-0389	EA	138" Wide x 114" High, Architectural Aluminum Bahama Shutter	8,250.10	397.90
		For Impact Bahama Shutters, Add	*3,061.42*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-182.90*	
		For >25 To 50, Deduct	*-350.88*	
		For >50, Deduct	*-518.87*	
10 71 16 13-0390	EA	138" Wide x 120" High, Architectural Aluminum Bahama Shutter	8,641.94	402.08
		For Impact Bahama Shutters, Add	*3,215.64*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-190.92*	
		For >25 To 50, Deduct	*-366.78*	
		For >50, Deduct	*-542.63*	
10 71 16 13-0391	EA	144" Wide x 24" High, Architectural Aluminum Bahama Shutter	2,133.98	131.29
		For Impact Bahama Shutters, Add	*774.86*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-48.58*	
		For >25 To 50, Deduct	*-92.25*	
		For >50, Deduct	*-135.91*	
10 71 16 13-0392	EA	144" Wide x 30" High, Architectural Aluminum Bahama Shutter	2,585.50	164.11
		For Impact Bahama Shutters, Add	*935.78*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-59.09*	
		For >25 To 50, Deduct	*-112.03*	
		For >50, Deduct	*-164.97*	
10 71 16 13-0393	EA	144" Wide x 36" High, Architectural Aluminum Bahama Shutter	3,037.04	196.93
		For Impact Bahama Shutters, Add	*1,096.72*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-69.60*	
		For >25 To 50, Deduct	*-131.82*	
		For >50, Deduct	*-194.03*	
10 71 16 13-0394	EA	144" Wide x 42" High, Architectural Aluminum Bahama Shutter	3,459.05	210.05
		For Impact Bahama Shutters, Add	*1,257.65*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-78.63*	
		For >25 To 50, Deduct	*-149.38*	
		For >50, Deduct	*-220.14*	
10 71 16 13-0395	EA	144" Wide x 48" High, Architectural Aluminum Bahama Shutter	3,906.37	240.06
		For Impact Bahama Shutters, Add	*1,418.58*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-88.93*	
		For >25 To 50, Deduct	*-168.85*	
		For >50, Deduct	*-248.78*	
10 71 16 13-0396	EA	144" Wide x 54" High, Architectural Aluminum Bahama Shutter	4,353.69	270.07
		For Impact Bahama Shutters, Add	*1,579.51*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-99.22*	
		For >25 To 50, Deduct	*-188.32*	
		For >50, Deduct	*-277.42*	
10 71 16 13-0397	EA	144" Wide x 60" High, Architectural Aluminum Bahama Shutter	4,801.00	300.09
		For Impact Bahama Shutters, Add	*1,740.44*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-109.52*	
		For >25 To 50, Deduct	*-207.79*	
		For >50, Deduct	*-306.06*	
10 71 16 13-0398	EA	144" Wide x 66" High, Architectural Aluminum Bahama Shutter	5,223.58	313.59
		For Impact Bahama Shutters, Add	*1,901.37*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-118.58*	
		For >25 To 50, Deduct	*-225.40*	
		For >50, Deduct	*-332.22*	
10 71 16 13-0399	EA	144" Wide x 72" High, Architectural Aluminum Bahama Shutter	5,668.65	342.09
		For Impact Bahama Shutters, Add	*2,062.30*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-128.76*	
		For >25 To 50, Deduct	*-244.70*	
		For >50, Deduct	*-360.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0400	EA	144" Wide x 78" High, Architectural Aluminum Bahama Shutter	6,085.95	352.08
		For Impact Bahama Shutters, Add	*2,223.24*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-137.55*	
		For >25 To 50, Deduct	*-261.91*	
		For >50, Deduct	*-386.27*	
10 71 16 13-0401	EA	144" Wide x 84" High, Architectural Aluminum Bahama Shutter	6,528.87	379.16
		For Impact Bahama Shutters, Add	*2,384.17*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-147.63*	
		For >25 To 50, Deduct	*-281.05*	
		For >50, Deduct	*-414.47*	
10 71 16 13-0402	EA	144" Wide x 90" High, Architectural Aluminum Bahama Shutter	6,941.35	385.93
		For Impact Bahama Shutters, Add	*2,545.10*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-156.19*	
		For >25 To 50, Deduct	*-297.91*	
		For >50, Deduct	*-439.63*	
10 71 16 13-0403	EA	144" Wide x 96" High, Architectural Aluminum Bahama Shutter	7,357.55	395.19
		For Impact Bahama Shutters, Add	*2,706.03*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-164.93*	
		For >25 To 50, Deduct	*-315.04*	
		For >50, Deduct	*-465.15*	
10 71 16 13-0404	EA	144" Wide x 102" High, Architectural Aluminum Bahama Shutter	7,771.73	403.09
		For Impact Bahama Shutters, Add	*2,866.96*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-173.56*	
		For >25 To 50, Deduct	*-332.02*	
		For >50, Deduct	*-490.48*	
10 71 16 13-0405	EA	144" Wide x 108" High, Architectural Aluminum Bahama Shutter	8,184.02	409.73
		For Impact Bahama Shutters, Add	*3,027.89*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-182.11*	
		For >25 To 50, Deduct	*-348.86*	
		For >50, Deduct	*-515.61*	
10 71 16 13-0406	EA	144" Wide x 114" High, Architectural Aluminum Bahama Shutter	8,594.54	415.19
		For Impact Bahama Shutters, Add	*3,188.82*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-190.57*	
		For >25 To 50, Deduct	*-365.57*	
		For >50, Deduct	*-540.57*	
10 71 16 13-0407	EA	144" Wide x 120" High, Architectural Aluminum Bahama Shutter	9,003.41	419.57
		For Impact Bahama Shutters, Add	*3,349.75*	
		For Hinged Mounting Hardware And Two Telescoping Aluminum Arms, Add	*564.11*	
		For >10 To 25, Deduct	*-198.94*	
		For >25 To 50, Deduct	*-382.15*	
		For >50, Deduct	*-565.37*	

10 71 16 13-0408 Shutter Accessories *(10 71 16 13)*

10 71 16 13-0409 Shutter Build-Out *(10 71 16 13-0408)*

10 71 16 13-0410	LF	2' x 3' Hurricane Shutter Buildout	20.43	6.46
10 71 16 13-0411	LF	2' x 5' Hurricane Shutter Buildout	23.29	6.46

10 71 16 13-0412 Storm Panel Track *(10 71 16 13-0408)*

10 71 16 13-0413	LF	H-Header Storm Panel Track	18.84	6.46
10 71 16 13-0414	LF	F-Header Storm Panel Track	18.21	6.46
10 71 16 13-0415	LF	U-Header Storm Panel Track	18.84	6.46
10 71 16 13-0416	LF	Stud Angle Storm Panel Track	19.48	6.46
10 71 16 13-0417	LF	Clip Sill Storm Panel Track	16.30	6.46

10 71 16 13-0418 Exeter Storm Shield *(10 71 16 13)*

10 71 16 13-0419 Aluminum Framed Panels With Stainless Steel Barrier Membrane *(10 71 16 13-0418)*

Note: Frame to meet ASTM E1886/E1996 Level "E" requirements. Frame finish to be anodized aluminum, bronze or white.

10 71 16 13-0420 Operable Panels *(10 71 16 13-0419)*

Note: Price per panel, not by window size.

10 71 16 13-0421	SF	Up to 7.5 SF Operable Panel	177.20	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*43.54*	
10 71 16 13-0422	SF	>7.5 To 12 SF Operable Panel	153.83	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*20.91*	
10 71 16 13-0423	SF	>12 To 17.5 SF Operable Panel	144.41	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*11.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 16 13-0424	SF	>17.5 To 24 SF Operable Panel	136.06	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*10.87*	
10 71 16 13-0425	SF	>24 SF Operable Panel	122.43	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*9.58*	
10 71 16 13-0426		Operable Panel Options *(10 71 16 13-0419)*		
		Note: Tasks to be added per panel.		
10 71 16 13-0427	EA	For Side Hinge, Add Per Panel	136.37	
10 71 16 13-0428	EA	For Top Hinge, Add Per Panel	46.91	
10 71 16 13-0429	EA	For Bahama Unit, Add Per Panel	184.80	
10 71 16 13-0430	EA	For External Keylocks, Add Per Panel	184.09	
10 71 16 13-0431	EA	For Security Egress Option, Add Per Panel	87.70	
10 71 16 13-0432		Fixed Panel *(10 71 16 13-0419)*		
		Note: Price per panel, not by window size.		
10 71 16 13-0433	SF	Up to 7.5 SF Fixed Panel	179.49	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*44.68*	
10 71 16 13-0434	SF	>7.5 To 12 SF Fixed Panel	155.59	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels, Add	*21.44*	
10 71 16 13-0435	SF	>12 To 17.5 SF Fixed Panel	145.86	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*11.52*	
10 71 16 13-0436	SF	>17.5 To 24 SF Fixed Panel	137.16	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*11.06*	
10 71 16 13-0437	SF	>24 SF Fixed Panel	123.33	
		Note: Installed in concrete block, concrete, wood or steel framing.		
		For Installation In Brick (Includes Epoxy Anchor Bolts and Mounting Tube), Add	*5.00*	
		For <10 Panels , Add	*9.73*	
10 71 16 16		**Movable Storm Panels** *(10 71 16)*		
10 71 16 16-0001		Roll-Up Shutters *(10 71 16 16)*		
10 71 16 16-0002		Shutters *(10 71 16 16-0001)*		
10 71 16 16-0003	SF	Hurricane Roll-Up Automatic Shutter	107.55	6.46
10 71 16 16-0004		Motors And Accessories *(10 71 16 16-0001)*		
10 71 16 16-0005	EA	49 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	966.43	
10 71 16 16-0006	EA	110 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,041.85	
10 71 16 16-0007	EA	215 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,100.87	
10 71 16 16-0008	EA	261 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,152.94	
10 71 16 16-0009	EA	369 Lb. Actual Lift, 120 Volt, 60 Hertz, Roll-Up Shutter Tubular Motor	1,298.33	
10 73		**Protective Covers** *(10 70)*		
10 73 13		**Awnings** *(10 73)*		
10 73 13 13		**Metal Awnings** *(10 73 13)*		
10 73 13 13-0001		Metal Awnings *(10 73 13 13)*		
		Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	99.99	9.86
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	88.37	8.84
10 73 13 13-0004	SF	Flat Roofed Steel Awning	246.31	10.25
		Note: Per SF of covered area		
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	254.20	11.53
10 73 13 23		**Fabric Awnings** *(10 73 13)*		
10 73 13 23-0001		Canvas Awnings *(10 73 13 23)*		
		Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	99.93	9.43
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*3.96*	
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	57.60	3.04
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*2.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings Note: Includes removal of existing canvas cover.	31.52	
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*1.00*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*
Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	9,137.66	540.26
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	17,105.64	864.64
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	11,236.56	675.99
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	20,979.68	903.94

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*
Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	120.99	7.66
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*42.27*	
		For Wind Load (140 MPH), Add	*52.84*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover Note: Includes factory applied polyester finish.	128.77	8.25
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*44.91*	
		For Wind Load (140 MPH), Add	*56.14*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	88.44	7.66
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*29.25*	
		For Wind Load (140 MPH), Add	*36.56*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	96.25	8.25
		For 30 Pounds Per Square Foot (PSF) Snow Load, Add	*31.90*	
		For Wind Load (140 MPH), Add	*39.88*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*
Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	4,388.34	1,091.70
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	4,695.16	1,190.91
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	5,887.82	1,389.39
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	6,827.16	1,588.19
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	12,434.73	1,786.63
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	14,773.33	1,984.84
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	25,193.87	2,183.99
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	32,550.53	2,381.81
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0010		**Free Standing Tapered Aluminum Flagpoles** *(10 75 16)* Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,317.27	992.67
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,902.03	1,091.70
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,320.32	1,190.91
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,423.26	1,389.39
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,637.16	1,588.19
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	7,310.70	1,687.38
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	9,016.36	1,786.63
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	14,902.48	1,984.84
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	16,316.15	2,183.99
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	20,226.85	2,381.81
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0021		**Flagpole Bases** *(10 75 16)*		
10 75 16 00-0022		**Flagpole Concrete Base** *(10 75 16 00-0021)* Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,949.58	
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	2,015.08	
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,315.00	
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,449.21	
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,939.13	
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,561.76	
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	4,212.82	
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,895.45	
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,703.72	
10 75 16 00-0032		**Direct Embedded Flagpole Base** *(10 75 16 00-0021)* Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	843.31	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,210.00	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,351.88	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,520.92	
10 75 16 00-0037		**Flagpole Accessories** *(10 75 16)*		
10 75 16 00-0038		**Flagpole Tops** *(10 75 16 00-0037)* Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	152.47	60.71
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	165.17	64.28
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	182.30	67.85
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	227.18	71.41
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	287.59	74.98
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	318.04	78.56
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	294.73	78.56
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	341.68	89.27
10 75 16 00-0047		**Flagpole Accessories** *(10 75 16 00-0037)* Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.51	0.11
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.75	0.11
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.58	0.11
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	2.02	0.11
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	491.13	178.48
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	351.87	107.09
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	28.37	7.14
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.56	0.12
10 75 23		**Wall-Mounted Flagpoles** *(10 75)*		
10 75 23 00-0001		**Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles** *(10 75 23)* Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,373.95	870.68
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,581.38	957.75
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,799.91	1,044.83
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	3,248.07	1,218.96
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0006		**Outrigger, Wall Mounted Tapered Aluminum Flagpoles** *(10 75 23)* Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	2,943.37	783.61
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,184.10	870.68
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket	3,576.76	1,044.83
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001		**Stainless Steel Spiked Bird Barrier** *(10 81 13)* Note: Stainless steel spikes with flexible polycarbonate base.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	11.38	1.15
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.74	1.15
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	20.23	1.15
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier *(10 81 13)*		
		Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.52	1.15
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.75	1.15
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	15.21	1.15
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier *(10 81 13)*		
		Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	12.04	1.15
10 81 13 00-0011		Coil Bird Barrier *(10 81 13)*		
		Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	8.53	1.15
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	10.07	1.15
10 81 13 00-0014		Spider Bird Barrier *(10 81 13)*		
		Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	150.73	1.15
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	221.44	1.15
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	278.56	1.15
10 81 13 00-0018		Oriented Flexible Flame-resistant Netting *(10 81 13)*		
		Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.14	0.38
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.09	0.38
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.05	0.38
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.01	0.38
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.01	0.38
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.98	0.38
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.95	0.38
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.95	0.38
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.91	0.38
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.03	0.38
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.97	0.38
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.34	
10 81 13 00-0031		Netting Accessories *(10 81 13)*		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.64	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.52	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	17.09	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	24.29	
10 81 16		**Insect Control Devices** *(10 81)*		
10 81 16 00-0001		Insect Screening *(10 81 16)*		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	147.39	
10 86		**Security Mirrors And Domes** *(10 80)*		
10 86 00 00-0001		Security Mirrors *(10 86)*		
10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	140.88	42.26
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	157.17	42.26
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	286.88	35.22
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	108.77	42.26
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	154.45	42.26
10 86 00 00-0007		Dome Mirrors *(10 86)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0008		**Steel Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	337.84	28.56
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	396.83	29.99
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	458.68	32.86
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	610.85	35.71
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	242.03	21.43
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	279.06	22.85
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	325.81	24.99
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	452.14	27.14
10 86 00 00-0017		**Plexiglas Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	264.63	32.86
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	371.64	35.71
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	490.48	41.42
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	593.05	49.99
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	865.35	71.41
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	163.00	24.99
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	218.54	27.14
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	287.17	31.42
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	353.96	37.85
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	561.14	53.56
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	106.31	21.43
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	135.73	23.57
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	177.57	26.42
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	221.02	31.42
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	365.09	44.64
10 86 00 00-0033		**Coated Plexiglas Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	314.67	32.86
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	483.92	35.71
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	817.61	49.99
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,258.33	71.41
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	204.99	24.99
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	303.24	27.14
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	478.45	37.85
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	790.58	53.56
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	149.52	21.43
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	208.47	23.57
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	269.35	26.42
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	345.99	31.42
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	540.84	44.64
10 86 00 00-0047		**Circular Convex Security Mirrors** *(10 86)*		
		Note: Includes all mounting hardware.		
10 86 00 00-0048		**Plexiglas Circular Convex Mirrors** *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	114.06	22.85
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	147.38	24.99
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	221.23	27.14
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	275.94	31.42
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	366.17	37.85
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	644.13	53.56
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	188.63	24.99
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	270.05	27.14
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	385.69	37.85
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	702.71	53.56
10 86 00 00-0059		**Coated Plexiglas Circular Convex Mirrors** *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	226.71	24.99
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	354.50	27.14
10 86 00 00-0062	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	475.36	31.42
10 86 00 00-0063	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	593.17	37.85
10 86 00 00-0064	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	861.37	53.56
10 86 00 00-0065	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	271.38	24.99
10 86 00 00-0066	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	417.96	27.14
10 86 00 00-0067	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	580.32	31.42
10 86 00 00-0068	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	656.63	37.85
10 86 00 00-0069	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	1,039.55	53.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	649.99	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	679.46	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	713.26	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	949.08	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	980.75	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,389.85	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,410.27	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,449.29	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,666.66	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,694.24	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (AeroVironment) *(11 11 36 13)*
Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).

11 11 36 13-0002	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module) Note: Includes charging station only. Excludes mounting bracket or pedestal.	3,144.98	75.26
11 11 36 13-0003	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount) Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	4,337.80	100.36
11 11 36 13-0004	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount) Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	7,282.05	125.44
11 11 36 13-0005	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	4,538.52	150.54
11 11 36 13-0006	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	7,482.75	175.62
11 11 36 13-0007	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	10,427.01	200.72
11 11 36 13-0008	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	13,371.27	225.80

11 11 36 13-0009 Electric Vehicle Charging Stations (ChargePoint) *(11 11 36 13)*

11 11 36 13-0010	EA	Single Output, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4011)	6,101.66	150.54
11 11 36 13-0011	EA	Single Output Gateway Option USA, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4011-GW1)	6,732.16	150.54
11 11 36 13-0012	EA	Dual Output, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4021)	8,993.76	200.72
11 11 36 13-0013	EA	Dual Output Gateway Option USA, Bollard Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4021-GW1)	9,624.26	200.72
11 11 36 13-0014	EA	Single Output, Wall Mount Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4013)	5,484.33	150.54
11 11 36 13-0015	EA	Single Output Gateway Option USA, Wall Mount Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4013-GW1)	6,112.95	150.54
11 11 36 13-0016	EA	Dual Output, Wall Mount Unit, 208/240 Volt At 30 Amperes With Cord Management (ChargePoint CT4023)	8,376.43	200.72
11 11 36 13-0017	EA	Dual Output Gateway Option USA, Wall Mount Unit, 208/240 Volt At 30 Amperes, With Cord Management (ChargePoint CT4023-GW1)	9,005.05	200.72
11 11 36 13-0018	EA	CT4000 Power Management Kit (ChargePoint CT4000-PMGMT)	262.83	100.36
11 11 36 13-0019	EA	CT4000 Bollard Concrete Mounting Kit (ChargePoint CT4001-CCM) Note: Includes Bolts: 5/8 - 11 x 9" F1554 Grade 55 hot-dipped galvanized threaded bolts - 3 each. Nuts: 5/8 - Heavy Galvanized Hex Nuts (DH Rated) - 12 each. Washers: Galvanized Washers (ASTM F436) - 9 each. Plastic Template	267.23	
11 11 36 13-0020	EA	5 Year Prepaid Commercial Cloud Plan (ChargePoint CPCLD-COMMERCIAL-5)	2,079.72	
11 11 36 13-0021	EA	4 Additional Prepaid Years Of ChargePoint Assure (ChargePoint CT4000-ASSURE4)	4,855.82	
11 11 36 13-0022	EA	Initial Station Activation And Configuration Service (ChargePoint CPSUPPORT-ACTIVE)	635.85	
11 11 36 13-0023	EA	CT4000-INSTALLVALID is priced per CT4000 station (ChargePoint CT4000-INSTALLVALID) Note: Upon successful Site Validation, your standard first year warranty will be upgraded to Assure	1,129.26	
11 11 36 13-0024	EA	Express Vehicle Charging Station (ChargePoint Express 250 CPE250C-625-CCS1-CHD) Note: Includes 2x Power Module, 1x CCS1 cable, 1x CHAdeMO cable	57,020.30	200.72

11 11 36 13-0025 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*
Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0026	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,438.29	150.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0027	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,904.75	200.72
11 11 36 13-0028	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	8,272.05	150.54
11 11 36 13-0029	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	14,148.47	200.72
11 11 36 13-0030	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	3,897.45	75.26
11 11 36 13-0031	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	7,587.48	75.26
11 11 36 13-0032	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	3,758.05	100.36
11 11 36 13-0033	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,304.34	100.36

11 11 36 13-0034 Electric Vehicle Charging Stations (Loop) *(11 11 36 13)*

11 11 36 13-0035	EA	Single Output, Wall Mount, Electric Vehicle Charging Station (Loop EV-Flex)	2,968.44	100.36
		For 52.8" x 6" x 2" Pedestal, Add	*956.33*	
11 11 36 13-0036	EA	Network Router - Evloop EVS-NB-W Network Access Package (Loop EVS-NB-W) Note: Includes Router, Access Point, Antenna and Cables	3,945.17	

11 11 36 13-0037 Electric Vehicle Charging Stations (Leviton) *(11 11 36 13)*

11 11 36 13-0038	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,009.65	150.54
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0039	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	3,226.98	150.54
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0040	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,804.02	200.72
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0041	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,018.81	200.72
		For Bollard Body (Leviton CPMBX-000), Add	*2,489.64*	
		For Bollard Cap (Leviton CPCAP-B), Add	*228.79*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,720.68*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*228.79*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,569.05*	
11 11 36 13-0042	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	2,891.08	150.54
		For Cap, Add	*228.79*	
11 11 36 13-0043	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,122.12	150.54
		For Cap, Add	*228.79*	
11 11 36 13-0044	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)	1,769.77	100.36
		For Cap, Add	*228.79*	

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001 Parking Ticket Dispensers *(11 12 16)*

11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	12,164.95	203.40
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	16,424.13	203.40

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001 Parking Meters *(11 12 23)*

11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	233.65	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

11 12 26 13-0001 Parking Fee Collection Equipment *(11 12 26 13)*

11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,875.83	68.92

11 12 33 Parking Gates *(11 12)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13		**Lift Arm Parking Gates** *(11 12 33)*		
11 12 33 13-0001		Barrier Parking Gate Operators *(11 12 33 13)*		
11 12 33 13-0002		Barrier Parking Gate Operators *(11 12 33 13-0001)* Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,335.37	564.00
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,310.27	564.00
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	7,628.19	564.00
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	10,784.14	564.00
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,905.55	564.00
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	10,407.51	564.00
11 12 33 13-0009		Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)* Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,104.57	1,128.00
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	25,843.93	1,128.00
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,292.81	1,128.00
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	26,032.17	1,128.00
11 12 33 13-0014		Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	257.11	23.98
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	232.01	23.98
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	549.93	23.98
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	832.28	23.98
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	759.08	23.98
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	759.08	23.98
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	926.40	23.98
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	758.30	143.86
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	758.30	143.86
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	752.93	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,802.99	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD) Note: Includes mounting plate and hardware. Excludes concrete foundation.	1,311.48	47.96
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		Tire Shredding Traffic Control Spikes *(11 12 36)*		
11 12 36 00-0002		Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	3,207.19	383.63
11 12 36 00-0004		Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,838.93	191.81
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	4,165.71	191.81
11 12 36 00-0007		Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615) Note: Includes light and mounting post.	2,590.94	71.93
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603) Note: Includes mounting post and hardware.	2,095.10	95.90
11 13		**Loading Dock Equipment** *(11 10)* Note: Includes all anchor bolts, drilling and fasteners.		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		Laminated Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0002		4-1/2" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	142.26	28.55
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.69	28.55
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.84	28.55
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	156.51	28.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	168.32	28.55
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.43	28.55
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	222.84	28.55
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	298.29	28.55
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.37	28.55
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	189.43	28.55
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	229.55	28.55
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	258.01	28.55
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	350.39	28.55
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	212.93	28.55
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	246.02	28.55
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	316.51	28.55
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	194.35	28.55
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	206.02	28.55
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	234.15	28.55
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	276.99	28.55
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	371.78	28.55
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	220.25	28.55
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	229.84	28.55
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	267.88	28.55
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	324.62	28.55
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	483.51	28.55
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	277.15	28.55
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	315.19	28.55
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	320.26	28.55
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	82.77	28.55
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	87.47	28.55
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	93.74	28.55
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	100.00	28.55
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	107.34	28.55
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	127.10	28.55
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	132.79	28.55
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	145.75	28.55
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	127.16	28.55
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	153.79	28.55
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	175.72	28.55
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	217.57	28.55
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	110.63	28.55
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	98.53	28.55
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	126.14	28.55
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	153.98	28.55
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	160.55	28.55
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	122.97	28.55
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	155.08	28.55
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	221.19	28.55
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	132.58	28.55
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	191.30	28.55
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	190.73	28.55
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	281.20	28.55
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	181.68	28.55
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	170.31	28.55
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	105.34	28.55
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	106.54	28.55
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	107.73	28.55
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	110.13	28.55
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	112.53	28.55
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	114.96	28.55
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	117.39	28.55
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	119.89	28.55
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	122.39	28.55
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	124.78	28.55
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	127.18	28.55
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	132.04	28.55
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.59	28.55
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.79	28.55
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	121.99	28.55
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.42	28.55
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	126.85	28.55
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.25	28.55
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.64	28.55
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.07	28.55
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.51	28.55
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	138.90	28.55
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.37	28.55
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	146.16	28.55
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.18	28.55
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	128.41	28.55
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.65	28.55
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.04	28.55
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.44	28.55
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.87	28.55
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	139.30	28.55
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.70	28.55
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	144.10	28.55
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	146.53	28.55
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	148.96	28.55
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	153.89	28.55
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	98.99	28.55
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	100.87	28.55
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	105.04	28.55
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	109.15	28.55
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	113.38	28.55
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	117.49	28.55
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	121.65	28.55
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	112.46	28.55
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	114.40	28.55
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.57	28.55
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	122.74	28.55
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.85	28.55
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	131.02	28.55
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	135.13	28.55
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	119.77	28.55
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.65	28.55
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	125.88	28.55
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	129.99	28.55
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	134.16	28.55
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	138.27	28.55
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	142.49	28.55

11 13 16 23 Loading Dock Shelters *(11 13 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	161.06	35.70
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	124.59	34.27
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	129.01	34.27
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	134.05	35.70
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	137.10	35.70
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)* Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	9,583.08	1,151.14
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	10,254.78	1,279.04
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	12,535.12	1,534.85
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	10,196.52	1,279.04
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	11,072.88	1,406.95
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	13,274.06	1,662.76
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	9,774.81	1,151.14
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	10,452.09	1,279.04
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	12,719.98	1,534.85
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	10,383.03	1,279.04
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	11,244.93	1,406.95
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	13,636.77	1,662.76
11 13 19 13-0016		30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	10,244.53	1,343.00
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	10,900.08	1,534.85
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	13,266.43	1,790.66
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	10,900.08	1,534.85
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	11,723.51	1,726.71
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	14,089.87	1,854.62
11 13 19 13-0023		35,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	10,600.91	1,406.95
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	11,258.36	1,598.81
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	12,692.89	1,854.62
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	11,258.36	1,598.81
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	12,228.24	1,790.66
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	14,650.89	1,918.57
11 13 19 13-0030		40,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	11,203.60	1,406.95
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	11,860.13	1,598.81
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	14,265.86	1,854.62
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	11,860.13	1,598.81
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	12,831.15	1,790.66
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	15,253.39	1,918.57
11 13 19 13-0037		45,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	11,723.03	1,470.90
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	12,391.35	1,662.76
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	14,783.31	1,918.57
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	12,393.29	1,662.76
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	13,355.49	1,854.62
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	15,760.23	1,982.52
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	7,622.15	1,151.14
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	8,306.24	1,279.04
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	10,574.19	1,534.85
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	8,237.36	1,279.04
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	9,111.96	1,406.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	11,513.12	1,534.85
11 13 19 13-0052		**40,000 Lb. Manual Dock Levelers** *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	9,416.11	1,279.04
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	10,072.64	1,406.95
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	10,959.89	1,662.76
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	10,072.64	1,406.95
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	11,448.95	1,534.85
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	13,465.91	1,790.66
11 13 19 13-0059		**Edge Of Dock Levelers** *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		**Hydraulic Edge Of Dock Levelers** *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,470.07	383.72
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,788.49	383.72
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,742.41	383.72
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,179.54	383.72
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,688.44	383.72
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	6,004.73	383.72
11 13 19 13-0067		**Manual Edge Of Dock Levelers** *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,441.69	383.72
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,633.52	383.72
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,692.18	383.72
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,836.03	383.72
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,158.16	383.72
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,575.58	383.72
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,882.67	383.72
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,926.81	383.72
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,507.54	383.72
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,781.88	383.72
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,507.89	383.72
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		**Top Of Ground, Fixed Platform Lifts** *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	20,695.28	1,436.57
11 13 19 23-0003		**Pit Mounted, Fixed Platform Lifts** *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	13,872.80	1,436.57
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	23,097.90	1,436.57
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	40,045.95	2,298.52
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	43,560.95	3,304.12
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		**Hydraulic Truck Lifts** *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	34,224.74	1,978.33
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	39,171.93	2,374.00
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		**Truck Restraint System** *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	11,438.50	479.64
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	11,950.74	479.64
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,401.56	479.64
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	17,020.60	119.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	394.58	84.75
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	498.89	84.75
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	208.37	67.80
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	404.81	113.00
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	443.82	113.00
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	393.92	113.00
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	519.81	113.00
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	616.31	113.00
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	675.45	113.00
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	722.74	113.00
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	387.27	113.00
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	424.69	113.00
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	456.62	113.00
11 14		**Pedestrian Control Equipment** *(11 10)*		
11 14 13		**Pedestrian Gates** *(11 14)*		
11 14 13 16		**Rotary Gates** *(11 14 13)*		
11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,827.22	1,910.36
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,556.43	1,910.36
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	30,774.27	2,850.15
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	29,820.66	2,850.15
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,578.68	1,910.36
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	17,241.14	1,910.36
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	36,213.02	2,850.15
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	32,694.20	2,850.15
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,338.39	1,910.36
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	27,975.61	1,910.36
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	32,554.34	2,850.15
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	54,474.65	2,850.15
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	25,540.73	1,910.36
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	28,611.35	1,910.36
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	40,946.11	2,850.15
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	50,927.22	2,850.15
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	50,226.51	1,910.64
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	270.19	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	190.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,593.28	1,910.36
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,325.68	1,910.36
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	33,635.10	2,850.15
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	31,057.17	2,850.15
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	33,635.10	2,850.15
11 14 13 16-0035		Powder Coated Steel *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,341.57	1,910.36
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,277.40	1,910.36
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	44,789.15	2,850.15
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	33,946.61	2,850.15
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	36,530.89	2,850.15
11 14 13 16-0041		Anodized Aluminum *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,659.44	1,910.36
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,644.84	1,910.36
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,929.22	1,910.36
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	34,305.80	2,850.15
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	38,085.28	2,850.15
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	56,124.40	2,850.15
11 14 13 16-0048		Stainless Steel *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	27,145.97	1,910.36
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,021.40	1,910.36
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	46,909.35	2,850.15
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	53,378.00	2,850.15
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	58,778.61	2,850.15
11 14 13 16-0054		Transparent *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	45,849.44	1,910.64
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	48,506.83	1,910.64
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	49,667.06	1,910.64
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	81,633.47	2,850.15
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	86,751.17	2,850.15
11 14 13 16-0060		Electrical, Two-Way *(11 14 13 16-0001)*		
11 14 13 16-0061		Galvanized Steel *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,699.47	1,910.36
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	17,482.72	1,910.36
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	39,712.77	2,850.15
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	33,031.14	2,850.15
11 14 13 16-0066		Powder Coated Steel *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	17,311.07	1,910.36
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	19,358.16	1,910.36
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	45,749.12	2,850.15
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	35,936.47	2,850.15
11 14 13 16-0071		Anodized Aluminum *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,749.73	1,910.36
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,690.63	1,910.36
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	30,197.52	1,910.36
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	36,527.71	2,850.15
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	58,187.37	2,850.15
11 14 13 16-0077		Stainless Steel *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	28,220.37	1,910.36
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	30,127.59	1,910.36
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	47,697.66	2,850.15
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	54,967.35	2,850.15
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	60,971.92	2,850.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0083		Transparent *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	46,771.26	1,910.64
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	49,269.72	1,910.64
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	50,703.32	1,910.64
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	83,572.47	2,850.15
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	88,340.52	2,850.15
11 14 13 16-0089		Electrical Options *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,058.51	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	743.82	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	244.76	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	244.76	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	193.90	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	190.72	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	174.83	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,440.64	
11 14 13 16-0098		Relocate Rotary Gate *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	5,611.61	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		Turnstiles *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	3,028.62	538.71
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,923.66	538.71
11 14 16		**Pedestrian Control Devices** *(11 14)*		
11 14 16 00-0001		Retractable Barrier *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	102.44	21.58
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	186.70	21.58
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	228.84	21.58
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	376.31	21.58

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	2,000.70	389.97
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,401.62	283.22
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	10,423.55	311.03
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	8,706.15	261.88
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,171.15	65.18
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,837.15	85.22
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	6,800.04	203.68
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	9,687.34	293.95
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,973.44	324.97
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	2,215.61	389.97
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,530.37	100.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0020		**Meat Case** *(11 21 63)*		
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,477.00	389.97
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,599.32	389.97
11 21 63 00-0023		**Produce Case** *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,536.59	389.97
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,694.39	389.97
11 21 63 00-0026		**Bottle Coolers** *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	5,688.27	1,299.88
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	8,611.08	1,949.82
11 21 63 00-0029		**Cold Pan Units** *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,480.23	103.72
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	4,835.31	145.10
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	5,717.13	171.62
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	5,877.50	177.30
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,396.86	191.40
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	7,600.68	226.19
11 21 63 00-0036		**Cold Cabinets (Insulated)** *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,159.63	89.75

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001		**In Room Safes** *(11 22 13 16)*		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	871.88	14.28
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	816.13	14.28
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	849.58	14.28
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	949.92	14.28
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	983.36	14.28
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	1,016.81	14.28
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	649.17	17.85
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	671.46	17.85
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	693.76	17.85

11 28 Office Equipment *(11 20)*

11 28 13 Computers *(11 28)*

11 28 13 00-0001		**Accessories** *(11 28 13)*		
11 28 13 00-0002	EA	32" Wall Track, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KN-020)	1,212.98	56.40
11 28 13 00-0003	EA	32" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-KU-020)	1,492.50	62.04
11 28 13 00-0004	EA	32" Wall Track, eDesk, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EN-020)	1,950.08	67.68
11 28 13 00-0005	EA	32" Wall Track, eDesk, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AN-EU-020)	2,108.81	73.32
11 28 13 00-0006	EA	32" Wall Track, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KN-020)	1,553.18	62.04
11 28 13 00-0007	EA	32" Wall Track, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-KU-020)	1,621.80	62.04
11 28 13 00-0008	EA	32" Wall Track, eDesk, 18" Extension Arm, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EN-020)	2,301.56	78.96
11 28 13 00-0009	EA	32" Wall Track, eDesk, 18" Extension Arm, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (enovate Medical E997AA-EU-020)	2,449.02	78.96
11 28 13 00-0010	EA	25" Wall Track, Universal CPU Holder, Keyboard Tray, Monitor Bracket, Articulating Wall Arm (Ergotron 45-271-026)	1,286.98	62.04
11 28 13 00-0011	EA	37" To 61" Universal Tilt Flat Monitor Wall Mount (Premier Mounts CTM-MS2)	343.19	62.04
11 28 13 00-0012	EA	32" To 56" Universal Tilt Flat Monitor Wall Mount (Peerless ST650P)	240.66	62.04

11 30 Residential Equipment *(11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001 Ranges With Ovens *(11 30 13 13)*

Note: Free standing or slide in.

11 30 13 13-0002 Electric Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0003	EA	20" Electric Range With Oven	865.83	95.90
		For Stainless Steel, Add	*168.51*	
11 30 13 13-0004	EA	24" Electric Range With Oven	904.46	95.90
		For Stainless Steel, Add	*178.16*	
11 30 13 13-0005	EA	30" Electric Range With Oven	866.49	95.90
		For Stainless Steel, Add	*192.65*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	1,040.44	95.90

11 30 13 13-0007 Gas Ranges With Ovens *(11 30 13 13-0001)*

11 30 13 13-0008	EA	20" Gas Range With Oven	962.40	95.90
		For Stainless Steel, Add	*192.65*	
11 30 13 13-0009	EA	24" Gas Range With Oven	1,012.61	95.90
		For Stainless Steel, Add	*205.20*	
11 30 13 13-0010	EA	30" Gas Range With Oven	1,058.96	95.90
		For Stainless Steel, Add	*216.79*	

11 30 13 13-0011 Range Hoods *(11 30 13 13)*

11 30 13 13-0012 Venting Range Hoods *(11 30 13 13-0011)*

11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	295.83	71.93
		For Stainless Steel, Add	*22.80*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	273.26	71.93
		For Stainless Steel, Add	*19.41*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	269.30	71.93
		For Stainless Steel, Add	*18.82*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	273.26	71.93
		For Stainless Steel, Add	*19.41*	

11 30 13 13-0017 Non-Ducted Range Hoods *(11 30 13 13-0011)*

11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	298.75	71.93
		For Stainless Steel, Add	*23.23*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	276.25	71.93
		For Stainless Steel, Add	*19.86*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	272.27	71.93
		For Stainless Steel, Add	*19.26*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	276.25	71.93
		For Stainless Steel, Add	*19.86*	

11 30 13 13-0022 Microwaves *(11 30 13 13)*

11 30 13 13-0023 Countertop Microwaves *(11 30 13 13-0022)*

11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	182.35	11.99
		For Stainless Steel, Add	*23.76*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	217.09	11.99
		For Stainless Steel, Add	*28.97*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	222.88	11.99
		For Stainless Steel, Add	*29.84*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	273.12	11.99
		For Stainless Steel, Add	*37.37*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	292.43	11.99
		For Stainless Steel, Add	*40.27*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	311.74	11.99
		For Stainless Steel, Add	*43.16*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	331.06	11.99
		For Stainless Steel, Add	*46.06*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	350.37	11.99
		For Stainless Steel, Add	*48.96*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	371.59	11.99
		For Stainless Steel, Add	*52.14*	

11 30 13 13-0033 Over-The-Range Microwaves *(11 30 13 13-0022)*

11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	637.46	95.89
		For Stainless Steel, Add	*74.04*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	721.30	95.89
		For Stainless Steel, Add	*86.62*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	748.32	95.89
		For Stainless Steel, Add	*90.67*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	951.10	95.89
		For Stainless Steel, Add	*121.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	759.92	95.89
		For Stainless Steel, Add	*92.41*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	523.91	71.92
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,445.22	95.90
		For Stainless Steel, Add	*225.61*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	713.90	47.96
		For Stainless Steel, Add	*92.70*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	866.49	47.96
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	964.97	47.96
		For Stainless Steel, Add	*130.36*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	1,022.90	47.96
		For Stainless Steel, Add	*139.05*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,177.41	47.96
		For Stainless Steel, Add	*162.23*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,310.69	47.96
		For Stainless Steel, Add	*182.22*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,409.16	47.96
		For Stainless Steel, Add	*196.99*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,401.01	47.96
11 30 13 13-0052		**Side-By-Side Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,447.58	47.96
		For Stainless Steel, Add	*202.75*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,795.42	47.96
		For Stainless Steel, Add	*254.93*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	2,027.18	47.96
		For Stainless Steel, Add	*289.69*	
11 30 13 13-0056		**Other Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	237.42	23.98
		For Stainless Steel, Add	*28.42*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	324.33	23.98
		For Stainless Steel, Add	*41.46*	
11 30 13 13-0059		**Freezers** *(11 30 13 13)*		
11 30 13 13-0060		**Upright Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	673.36	47.96
		For Stainless Steel, Add	*86.62*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	866.49	47.96
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	924.43	47.96
		For Stainless Steel, Add	*124.28*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,059.62	47.96
		For Stainless Steel, Add	*144.56*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,216.03	47.96
		For Stainless Steel, Add	*168.02*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,293.31	47.96
		For Stainless Steel, Add	*179.61*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,351.23	47.96
		For Stainless Steel, Add	*188.30*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	540.08	47.96
		For Stainless Steel, Add	*66.63*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	675.27	47.96
		For Stainless Steel, Add	*86.91*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	723.57	47.96
		For Stainless Steel, Add	*94.15*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	810.46	47.96
		For Stainless Steel, Add	*107.18*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	866.49	47.96
		For Stainless Steel, Add	*115.59*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,059.62	47.96
		For Stainless Steel, Add	*144.56*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,310.69	47.96
		For Stainless Steel, Add	*182.22*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,351.23	47.96
		For Stainless Steel, Add	*188.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0077		Automatic Ice Makers *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,505.51	95.90
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,795.20	95.90
11 30 13 13-0080		Built-In Dishwashers *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,215.38	95.90
		For Stainless Steel, Add	*153.54*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	809.81	95.90
		For Stainless Steel, Add	*92.70*	
11 30 13 13-0083		Removal And Reinstallation Of Kitchen Equipment *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	143.86	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	287.71	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	306.90	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	143.86	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	239.77	
11 30 13 13-0089		Appliance Repair *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0090	EA	8" Burner Replacement	31.30	
11 30 13 13-0091	EA	4" Burner Element Replacement	55.65	
11 30 13 13-0092	EA	8" Burner Element Replacement	63.98	
11 30 13 13-0093	EA	Burner Manifold Replacement	213.00	
11 30 13 13-0094	EA	Burner Switch Replacement	88.02	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	40.43	
11 30 13 13-0096	EA	Oven Control Replacement	106.30	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	41.77	
11 30 13 13-0098	EA	Oven Element Replacement	100.00	
11 30 13 13-0099	EA	Oven Igniter Replacement	72.18	
11 30 13 13-0100	EA	Oven Knobs Replacement	55.29	
11 30 13 13-0101		Accessories *(11 30 13 13)*		
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	18.86	3.83
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	27.86	3.83
11 30 13 13-0104		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,306.11	239.29
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,543.35	239.29
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	935.67	95.90
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,495.75	95.90
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,978.58	95.90
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	721.32	95.90
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	916.36	95.90
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,128.80	95.90
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,283.31	95.90
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	858.42	95.90
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,051.55	95.90
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,244.47	95.90
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,418.50	95.90
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	938.97	285.67
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	956.64	285.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	956.64	285.67
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	973.88	285.67
11 30 33 00-0007		**350 Lb. Capacity, Wood Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,100.30	285.67
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,136.03	285.67
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,121.34	285.67
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,155.49	285.67
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,141.75	285.67
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,200.77	285.67
11 30 33 00-0014		**400 Lb. Capacity, Wood One Piece Pull Down Access Stairs** *(11 30 33 00-0001)* Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,181.62	285.67
11 30 33 00-0016	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,256.23	285.67
11 30 33 00-0017	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,330.85	285.67
11 30 33 00-0018	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,380.59	285.67
11 30 33 00-0019		**600 Lb. Capacity, Wood One Piece Pull Down Access Stairs** *(11 30 33 00-0001)* Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0020	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,554.70	285.67
		For Ladder Width 18 7/8" Wide, Add	*276.08*	
11 30 33 00-0021	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,604.44	285.67
		For Ladder Width 18 7/8" Wide, Add	*283.54*	
11 30 33 00-0022	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,629.31	285.67
		For Ladder Width 18 7/8" Wide, Add	*287.27*	
11 30 33 00-0023	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,703.93	285.67
		For Ladder Width 18 7/8" Wide, Add	*298.46*	
11 30 33 00-0024	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,874.84	285.67
		For Ladder Width 18 7/8" Wide, Add	*313.39*	
11 30 33 00-0025	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,999.20	285.67
		For Ladder Width 18 7/8" Wide, Add	*332.04*	
11 30 33 00-0026	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,123.56	285.67
		For Ladder Width 18 7/8" Wide, Add	*350.70*	
11 30 33 00-0027		**800 Lb. Capacity, Wood One Piece Pull Down Access Stairs** *(11 30 33 00-0001)* Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0028	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,715.37	285.67
11 30 33 00-0029	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,765.11	285.67
11 30 33 00-0030	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,814.85	285.67
11 30 33 00-0031	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,939.21	285.67
11 30 33 00-0032	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,085.24	285.67
11 30 33 00-0033	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,159.86	285.67
11 30 33 00-0034	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,284.22	285.67
11 30 33 00-0035	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,529.74	285.67
11 30 33 00-0036	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,753.59	285.67
11 30 33 00-0037	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,027.18	285.67
11 30 33 00-0038	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,275.90	285.67
11 30 33 00-0039		**300 Lb. Capacity, Aluminum Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0040	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	818.46	285.67
11 30 33 00-0041	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	841.46	285.67
11 30 33 00-0042	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	824.87	285.67
11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	847.85	285.67
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	975.87	285.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0045		300 Lb. Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	802.90	285.67
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	827.48	285.67

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001		30" Compact Kitchen *(11 32 13)*		
11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,755.01	649.71
		For Gas Unit, Add	*283.31*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,316.81	454.79
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,112.79	389.83
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	724.63	214.18
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,409.31	285.57
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	84.52	19.18
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	76.31	19.18
11 32 13 00-0009		42" Compact Kitchen *(11 32 13)*		
11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,197.01	714.68
		For Gas Unit, Add	*336.62*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,868.00	584.73
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	905.18	242.74
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,630.06	321.27
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	101.12	19.18
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.96	19.18
11 32 13 00-0016		54" Compact Kitchen *(11 32 13)*		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,312.67	909.59
		For Gas Unit, Add	*464.98*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,114.29	142.79
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,812.56	356.97
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	117.44	19.18
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	88.59	19.18
11 32 13 00-0022		60" Compact Kitchen *(11 32 13)*		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,541.36	974.56
		For Gas Unit, Add	*486.29*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,331.14	356.97
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	124.36	19.18
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	88.59	19.18
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,868.79	1,039.53
		For Gas Unit, Add	*522.41*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,622.05	428.37
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	144.88	23.98
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	92.95	23.98

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001		Frozen Food Cases *(11 41 13)*		
11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,526.07	389.97
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,879.83	389.97
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,762.43	389.97
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,765.44	389.97
11 41 13 00-0006		Reach-In Refrigeration *(11 41 13)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 13 00-0007		**Reach-In Refrigerators** *(11 41 13 00-0006)*		
11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,452.11	167.10
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	10,404.21	210.76
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	13,967.43	232.84
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,244.15	167.10
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,127.11	210.76
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,833.69	232.84
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	10,199.14	167.10
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	13,817.50	210.76
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,507.55	167.10
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	12,274.02	210.76
11 41 13 00-0018	EA	One Section, 12.6 CF, Self-Closing, Double Pane Tempered Glass Door, Merchandiser Refrigerator (Summit SCR1400WLH)	1,365.48	54.76
11 41 13 00-0019	EA	One Section, 20.6 CF, Stainless Steel, Glass Door, Upright Refrigerator (Avantco SS-1R-G-HC 29)	1,957.67	54.76
11 41 13 00-0020		**Reach-In Freezers** *(11 41 13 00-0006)*		
11 41 13 00-0021	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	9,535.22	167.30
11 41 13 00-0022	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	12,659.36	210.46
11 41 23		**Walk-In-Coolers** *(11 41)*		
11 41 23 00-0001		**Walk-In Refrigerated Boxes** *(11 41 23)* Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.		
11 41 23 00-0002		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,302.10	1,723.88
		For Refrigerated Boxes Without Floor, Deduct	*-4,500.80*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,343.58	1,939.37
		For Refrigerated Boxes Without Floor, Deduct	*-5,439.44*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,711.01	2,154.85
		For Refrigerated Boxes Without Floor, Deduct	*-5,709.47*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,974.42	2,585.83
		For Refrigerated Boxes Without Floor, Deduct	*-6,382.12*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,400.32	3,016.80
		For Refrigerated Boxes Without Floor, Deduct	*-7,345.02*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,843.17	3,447.77
		For Refrigerated Boxes Without Floor, Deduct	*-8,061.33*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,220.77	3,878.74
		For Refrigerated Boxes Without Floor, Deduct	*-8,762.28*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,813.78	2,154.85
		For Refrigerated Boxes Without Floor, Deduct	*-5,985.16*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,338.11	2,370.34
		For Refrigerated Boxes Without Floor, Deduct	*-6,544.63*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,968.05	2,801.32
		For Refrigerated Boxes Without Floor, Deduct	*-7,307.83*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,851.83	3,232.28
		For Refrigerated Boxes Without Floor, Deduct	*-8,385.53*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,548.67	3,663.25
		For Refrigerated Boxes Without Floor, Deduct	*-9,166.52*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,372.86	4,094.23
		For Refrigerated Boxes Without Floor, Deduct	*-9,978.23*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,067.26	4,525.20
		For Refrigerated Boxes Without Floor, Deduct	*-10,759.22*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,877.54	4,956.17
		For Refrigerated Boxes Without Floor, Deduct	*-11,566.89*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,590.53	5,387.14
		For Refrigerated Boxes Without Floor, Deduct	*-12,351.92*	
11 41 23 00-0019		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,327.26	2,585.83
		For Refrigerated Boxes Without Floor, Deduct	*-7,470.33*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,323.06	3,016.80
		For Refrigerated Boxes Without Floor, Deduct	*-8,325.70*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,506.46	3,447.77
		For Refrigerated Boxes Without Floor, Deduct	*-9,227.15*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,440.30	3,878.74
		For Refrigerated Boxes Without Floor, Deduct	*-10,067.16*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,693.25	4,309.72
		For Refrigerated Boxes Without Floor, Deduct	*-10,988.02*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,621.34	4,740.69
		For Refrigerated Boxes Without Floor, Deduct	*-11,823.98*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,890.63	5,171.65
		For Refrigerated Boxes Without Floor, Deduct	*-12,749.69*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,804.25	5,602.62
		For Refrigerated Boxes Without Floor, Deduct	*-13,584.85*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,063.32	6,033.60
		For Refrigerated Boxes Without Floor, Deduct	*-14,505.70*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,002.27	6,464.57
		For Refrigerated Boxes Without Floor, Deduct	*-15,345.71*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,548.34	7,111.02
		For Refrigerated Boxes Without Floor, Deduct	*-16,267.38*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,736.92	7,757.49
		For Refrigerated Boxes Without Floor, Deduct	*-17,102.53*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,295.95	3,232.28
		For Refrigerated Boxes Without Floor, Deduct	*-9,246.56*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,962.96	3,663.25
		For Refrigerated Boxes Without Floor, Deduct	*-10,270.09*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,223.72	4,094.23
		For Refrigerated Boxes Without Floor, Deduct	*-11,190.95*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,868.90	4,525.20
		For Refrigerated Boxes Without Floor, Deduct	*-12,209.63*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,151.33	4,956.17
		For Refrigerated Boxes Without Floor, Deduct	*-13,135.34*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,795.68	5,387.14
		For Refrigerated Boxes Without Floor, Deduct	*-14,153.21*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,047.53	5,818.12
		For Refrigerated Boxes Without Floor, Deduct	*-15,074.06*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,721.02	6,249.09
		For Refrigerated Boxes Without Floor, Deduct	*-16,097.60*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,127.83	6,787.80
		For Refrigerated Boxes Without Floor, Deduct	*-17,018.45*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,063.51	7,434.26
		For Refrigerated Boxes Without Floor, Deduct	*-18,037.13*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,625.65	8,080.71
		For Refrigerated Boxes Without Floor, Deduct	*-18,962.84*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	91,549.77	8,727.17
		For Refrigerated Boxes Without Floor, Deduct	*-19,980.71*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,086.15	9,373.63
		For Refrigerated Boxes Without Floor, Deduct	*-20,901.57*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,728.09	3,878.74
		For Refrigerated Boxes Without Floor, Deduct	*-12,389.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,970.62	4,309.72
		For Refrigerated Boxes Without Floor, Deduct	*-13,557.36*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,664.42	4,740.69
		For Refrigerated Boxes Without Floor, Deduct	*-14,834.75*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,907.12	5,171.65
		For Refrigerated Boxes Without Floor, Deduct	*-16,003.81*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,570.28	5,602.62
		For Refrigerated Boxes Without Floor, Deduct	*-17,276.36*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,841.57	6,033.60
		For Refrigerated Boxes Without Floor, Deduct	*-18,450.27*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,510.65	6,464.57
		For Refrigerated Boxes Without Floor, Deduct	*-19,722.81*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,046.31	7,111.02
		For Refrigerated Boxes Without Floor, Deduct	*-20,891.87*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,003.84	7,757.49
		For Refrigerated Boxes Without Floor, Deduct	*-22,169.26*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	104,573.27	8,403.94
		For Refrigerated Boxes Without Floor, Deduct	*-23,337.51*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	110,504.21	9,050.40
		For Refrigerated Boxes Without Floor, Deduct	*-24,610.86*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,065.00	9,589.11
		For Refrigerated Boxes Without Floor, Deduct	*-25,783.97*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,738.07	4,525.20
		For Refrigerated Boxes Without Floor, Deduct	*-14,926.92*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,844.42	4,956.17
		For Refrigerated Boxes Without Floor, Deduct	*-16,308.61*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,743.53	5,387.14
		For Refrigerated Boxes Without Floor, Deduct	*-17,640.17*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,858.12	5,818.12
		For Refrigerated Boxes Without Floor, Deduct	*-19,026.71*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,763.73	6,249.09
		For Refrigerated Boxes Without Floor, Deduct	*-20,358.27*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,013.86	6,787.80
		For Refrigerated Boxes Without Floor, Deduct	*-21,739.96*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,220.47	7,434.26
		For Refrigerated Boxes Without Floor, Deduct	*-23,076.37*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	108,606.54	8,080.71
		For Refrigerated Boxes Without Floor, Deduct	*-24,458.06*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	114,785.42	8,727.17
		For Refrigerated Boxes Without Floor, Deduct	*-25,789.63*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	121,184.52	9,373.63
		For Refrigerated Boxes Without Floor, Deduct	*-27,176.16*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,032.14	5,171.65
		For Refrigerated Boxes Without Floor, Deduct	*-17,535.07*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,309.75	5,602.62
		For Refrigerated Boxes Without Floor, Deduct	*-18,961.22*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,936.05	6,033.60
		For Refrigerated Boxes Without Floor, Deduct	*-20,473.89*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,203.40	6,464.57
		For Refrigerated Boxes Without Floor, Deduct	*-21,896.00*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	103,129.64	7,111.02
		For Refrigerated Boxes Without Floor, Deduct	*-23,412.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	109,666.04	7,757.49
		For Refrigerated Boxes Without Floor, Deduct	*-24,834.81*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	116,613.11	8,403.94
		For Refrigerated Boxes Without Floor, Deduct	*-26,347.47*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	123,155.27	9,050.40
		For Refrigerated Boxes Without Floor, Deduct	*-27,773.63*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	130,074.30	9,696.86
		For Refrigerated Boxes Without Floor, Deduct	*-29,286.29*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	136,887.01	10,486.97
		For Refrigerated Boxes Without Floor, Deduct	*-30,708.40*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,472.77	1,723.88
		For Refrigerated Boxes Without Floor, Deduct	*-4,793.46*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,796.32	1,939.37
		For Refrigerated Boxes Without Floor, Deduct	*-5,552.62*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,198.61	2,154.85
		For Refrigerated Boxes Without Floor, Deduct	*-6,081.37*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,681.92	2,585.83
		For Refrigerated Boxes Without Floor, Deduct	*-6,809.00*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,204.84	3,016.80
		For Refrigerated Boxes Without Floor, Deduct	*-7,796.15*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,867.59	3,447.77
		For Refrigerated Boxes Without Floor, Deduct	*-8,567.44*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,342.21	3,878.74
		For Refrigerated Boxes Without Floor, Deduct	*-9,292.64*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,424.26	2,154.85
		For Refrigerated Boxes Without Floor, Deduct	*-6,387.78*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,045.62	2,370.34
		For Refrigerated Boxes Without Floor, Deduct	*-6,971.50*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,895.46	2,801.32
		For Refrigerated Boxes Without Floor, Deduct	*-7,789.68*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,876.26	3,232.28
		For Refrigerated Boxes Without Floor, Deduct	*-8,891.64*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,793.01	3,663.25
		For Refrigerated Boxes Without Floor, Deduct	*-9,727.60*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,714.21	4,094.23
		For Refrigerated Boxes Without Floor, Deduct	*-10,563.57*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,628.52	4,525.20
		For Refrigerated Boxes Without Floor, Deduct	*-11,399.53*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,535.81	4,956.17
		For Refrigerated Boxes Without Floor, Deduct	*-12,231.46*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,468.71	5,387.14
		For Refrigerated Boxes Without Floor, Deduct	*-13,071.47*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,131.78	2,585.83
		For Refrigerated Boxes Without Floor, Deduct	*-7,921.46*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,347.48	3,016.80
		For Refrigerated Boxes Without Floor, Deduct	*-8,831.81*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,627.91	3,447.77
		For Refrigerated Boxes Without Floor, Deduct	*-9,757.52*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,781.65	3,878.74
		For Refrigerated Boxes Without Floor, Deduct	*-10,652.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,131.62	4,309.72
		For Refrigerated Boxes Without Floor, Deduct	*-11,597.61*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,279.62	4,740.69
		For Refrigerated Boxes Without Floor, Deduct	*-12,488.55*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,645.92	5,171.65
		For Refrigerated Boxes Without Floor, Deduct	*-13,438.51*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,779.45	5,602.62
		For Refrigerated Boxes Without Floor, Deduct	*-14,328.65*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,135.54	6,033.60
		For Refrigerated Boxes Without Floor, Deduct	*-15,273.76*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,294.39	6,464.57
		For Refrigerated Boxes Without Floor, Deduct	*-16,168.74*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,937.48	7,111.02
		For Refrigerated Boxes Without Floor, Deduct	*-17,114.66*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,345.97	7,649.74
		For Refrigerated Boxes Without Floor, Deduct	*-18,004.80*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,540.28	3,232.28
		For Refrigerated Boxes Without Floor, Deduct	*-9,807.64*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,304.31	3,663.25
		For Refrigerated Boxes Without Floor, Deduct	*-10,855.43*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,784.98	4,094.23
		For Refrigerated Boxes Without Floor, Deduct	*-11,831.26*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,527.17	4,525.20
		For Refrigerated Boxes Without Floor, Deduct	*-12,874.20*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,029.51	4,956.17
		For Refrigerated Boxes Without Floor, Deduct	*-13,854.88*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,770.88	5,387.14
		For Refrigerated Boxes Without Floor, Deduct	*-14,897.01*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,242.64	5,818.12
		For Refrigerated Boxes Without Floor, Deduct	*-15,872.84*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,013.14	6,249.09
		For Refrigerated Boxes Without Floor, Deduct	*-16,920.63*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,639.85	6,787.80
		For Refrigerated Boxes Without Floor, Deduct	*-17,896.46*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,672.56	7,434.26
		For Refrigerated Boxes Without Floor, Deduct	*-18,939.40*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,454.60	8,080.71
		For Refrigerated Boxes Without Floor, Deduct	*-19,920.08*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	95,475.74	8,727.17
		For Refrigerated Boxes Without Floor, Deduct	*-20,962.21*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,232.02	9,373.63
		For Refrigerated Boxes Without Floor, Deduct	*-21,938.04*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,166.45	3,878.74
		For Refrigerated Boxes Without Floor, Deduct	*-12,998.70*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,628.89	4,309.72
		For Refrigerated Boxes Without Floor, Deduct	*-14,221.93*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,419.72	4,740.69
		For Refrigerated Boxes Without Floor, Deduct	*-15,523.58*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	73,882.32	5,171.65
		For Refrigerated Boxes Without Floor, Deduct	*-16,747.61*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,642.50	5,602.62
		For Refrigerated Boxes Without Floor, Deduct	*-18,044.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,133.69	6,033.60
		For Refrigerated Boxes Without Floor, Deduct	*-19,273.30*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,899.79	6,464.57
		For Refrigerated Boxes Without Floor, Deduct	*-20,570.09*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,655.35	7,111.02
		For Refrigerated Boxes Without Floor, Deduct	*-21,794.13*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	102,709.90	7,757.49
		For Refrigerated Boxes Without Floor, Deduct	*-23,095.78*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	108,499.23	8,403.94
		For Refrigerated Boxes Without Floor, Deduct	*-24,319.00*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	114,527.20	9,050.40
		For Refrigerated Boxes Without Floor, Deduct	*-25,616.61*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,307.89	9,696.86
		For Refrigerated Boxes Without Floor, Deduct	*-26,844.69*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,616.25	4,525.20
		For Refrigerated Boxes Without Floor, Deduct	*-15,646.47*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,819.62	4,956.17
		For Refrigerated Boxes Without Floor, Deduct	*-17,052.41*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,938.64	5,387.14
		For Refrigerated Boxes Without Floor, Deduct	*-18,438.95*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,150.24	5,818.12
		For Refrigerated Boxes Without Floor, Deduct	*-19,849.74*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,275.75	6,249.09
		For Refrigerated Boxes Without Floor, Deduct	*-21,236.28*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,622.90	6,787.80
		For Refrigerated Boxes Without Floor, Deduct	*-22,642.22*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,049.42	7,434.26
		For Refrigerated Boxes Without Floor, Deduct	*-24,033.61*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	112,532.50	8,080.71
		For Refrigerated Boxes Without Floor, Deduct	*-25,439.55*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	118,931.29	8,727.17
		For Refrigerated Boxes Without Floor, Deduct	*-26,826.09*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	125,427.41	9,373.63
		For Refrigerated Boxes Without Floor, Deduct	*-28,236.89*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,104.36	5,171.65
		For Refrigerated Boxes Without Floor, Deduct	*-18,303.12*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	86,601.87	5,602.62
		For Refrigerated Boxes Without Floor, Deduct	*-19,784.25*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,325.18	6,033.60
		For Refrigerated Boxes Without Floor, Deduct	*-21,321.17*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,812.45	6,464.57
		For Refrigerated Boxes Without Floor, Deduct	*-22,798.26*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,835.70	7,111.02
		For Refrigerated Boxes Without Floor, Deduct	*-24,339.22*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,592.00	7,757.49
		For Refrigerated Boxes Without Floor, Deduct	*-25,816.30*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	120,636.10	8,403.94
		For Refrigerated Boxes Without Floor, Deduct	*-27,353.22*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	127,398.16	9,050.40
		For Refrigerated Boxes Without Floor, Deduct	*-28,834.35*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	134,414.20	9,696.86
		For Refrigerated Boxes Without Floor, Deduct	*-30,371.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	141,446.83	10,486.97
		For Refrigerated Boxes Without Floor, Deduct	*-31,848.36*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.37	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.55	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.58	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	25.22	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.99	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	4.07	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	10.01	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.94	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.58	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-18.26	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.61	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.75	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	17.31	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	56.11	

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,658.81	179.47
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,967.82	209.38
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,877.21	239.29
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,412.75	269.21
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,165.01	299.11
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,166.72	358.94
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,483.73	418.76
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,379.20	478.58

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,887.12	239.29
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,412.75	269.21
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,254.22	299.11
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,060.53	358.94
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,483.73	418.76
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,256.01	478.58

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,074.66	179.47
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,585.80	209.38
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,441.91	239.29
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,709.82	269.21
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,201.15	299.11
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,200.03	358.94
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,968.26	418.76
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,732.08	478.58

11 41 23 00-0199 208/230 Volt, 3 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,398.64	239.29
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,727.36	269.21
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,292.36	299.11
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,113.51	358.94
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,995.16	418.76
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,624.50	478.58

11 41 23 00-0206 Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0207 208/230 Volt, 1 Phase *(11 41 23 00-0206)*

Note: Pre-Assembled indoor R404a.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,439.00	179.47
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,667.29	209.38
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,976.33	239.29
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,443.90	269.21
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,095.63	299.11
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,556.11	358.94
11 41 23 00-0214		208/230 Volt, 3 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,986.24	239.29
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,443.90	269.21
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,187.67	299.11
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,454.16	358.94
11 41 23 00-0219		Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		208/230 Volt, 1 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,980.85	179.47
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,067.54	209.38
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,393.97	239.29
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,929.64	269.21
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,560.12	299.11
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,507.55	358.94
11 41 23 00-0227		208/230 Volt, 3 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,605.61	239.29
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,033.71	269.21
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,644.31	299.11
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,422.20	358.94
11 41 23 00-0232		Medium Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233		208/230 Volt, 1 Phase *(11 41 23 00-0232)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,306.24	239.29
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,760.47	478.58
11 41 23 00-0236		208/230 Volt, 3 Phase *(11 41 23 00-0232)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,311.91	239.29
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,130.34	299.11
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,654.18	358.94
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,529.67	478.58
11 41 23 00-0241		Medium Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242		208/230 Volt, 1 Phase *(11 41 23 00-0241)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,706.17	239.29
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,553.02	478.58
11 41 23 00-0245		208/230 Volt, 3 Phase *(11 41 23 00-0241)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,717.86	239.29
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,929.62	299.11
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,416.72	358.94
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,952.27	478.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0250		**Low Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		**208/230 Volt, 1 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,489.95	209.38
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,994.39	239.29
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,386.57	269.21
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,880.79	299.11
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,765.70	358.94
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,450.31	209.38
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,988.73	239.29
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,332.76	269.21
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,787.33	299.11
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,268.70	358.94
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,592.09	418.76
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,563.23	538.40
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	28,269.55	628.14
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,893.05	209.38
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,225.33	239.29
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,407.61	269.21
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,660.15	299.11
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,101.92	358.94
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,790.16	209.38
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,230.00	239.29
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,390.08	269.21
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,573.62	299.11
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,731.26	358.94
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,108.15	418.76
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,054.67	538.40
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	25,411.24	628.14
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)*		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,545.65	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,156.86	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,156.86	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,543.90	
11 41 23 00-0288	EA	Heated Air Vent, Kason	846.09	
11 41 23 00-0289	EA	Heated Air Vent, Polyvinyl Chloride (PVC), Bally	2,155.83	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,215.86	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,523.09	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,878.82	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,256.11	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,368.58	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,368.58	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	246.80	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,401.30	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,179.95	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,344.88	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,563.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	854.77	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	984.13	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	984.13	
11 41 23 00-0304	EA	Locking Devices, Cooler, Mortise Dead Bolt	1,799.07	
11 41 23 00-0305	EA	Locking Devices, Freezer, Mortise Dead Bolt	2,225.95	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,616.87	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,823.84	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,933.79	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	177.87	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	145.53	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	449.51	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	242.54	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	553.34	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	398.11	
11 41 23 00-0315	EA	4" Screed Door	981.92	
11 41 23 00-0316	EA	Doors Cut For Tile	1,214.76	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,214.76	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,925.50	
11 41 23 00-0319	EA	57-1/2" Door Section	732.91	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	676.91	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	342.05	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	637.76	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	818.86	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	85.16	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	111.84	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	164.39	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	265.45	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	45.66	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	13.68	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	56.59	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	22.40	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	87.32	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	113.01	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	53.67	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.79	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	66.67	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	127.36	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	155.61	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	694.55	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	620.17	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,078.66	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	193.29	
11 41 23 00-0343	LF	Extra Capillary Tubing	27.49	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,504.03	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*368.02*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,177.39	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*401.33*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,410.96	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*412.65*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,097.27	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*446.60*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,903.95	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*436.58*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,574.08	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.73*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,775.29	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*479.43*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,730.01	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*526.80*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,303.86	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*505.14*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,977.23	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*538.45*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,226.94	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*550.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,903.55	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.04*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,728.56	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*674.94*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,196.09	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*402.62*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,765.97	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*430.76*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,041.57	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*444.18*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,802.26	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*481.85*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,570.13	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.89*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,327.58	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*507.40*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,606.41	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*520.98*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,363.86	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*558.50*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,131.75	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*546.53*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,889.19	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.04*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,168.01	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*597.63*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,925.47	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*635.14*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,693.33	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*623.17*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,211.27	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,508.79	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,537.90	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,913.03	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,294.63	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,566.28	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,582.45	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,332.72	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,365.78	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,407.10	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,772.53	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,895.42	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,648.92	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,379.78	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,515.61	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	8,016.86	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,447.35	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,631.68	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,883.20	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,187.91	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,650.36	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,867.03	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,883.20	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,814.57	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,103.78	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,162.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,299.24	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,371.11	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,488.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,279.13	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,308.94	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,448.73	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,514.12	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,732.21	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,396.26	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,409.92	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,614.37	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,621.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,871.99	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	935.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	981.61	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,079.34	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,099.46	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,256.11	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,033.35	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,108.44	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,173.84	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,187.49	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,405.59	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,137.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,180.31	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,268.34	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,314.33	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,538.90	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,519.83	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,811.37	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,867.57	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,923.79	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,536.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,644.68	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,808.74	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,110.09	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,234.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,955.27	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,857.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,119.89	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,421.23	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,546.08	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,501.75	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,299.97	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,404.16	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,524.53	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,635.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,772.46	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,549.69	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,585.97	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,754.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,839.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,106.27	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,692.69	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,745.15	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,936.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,976.20	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,275.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,096.23	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,151.92	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,272.28	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,295.63	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,487.88	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,245.70	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,333.73	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,528.48	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,509.79	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,692.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,372.54	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,424.99	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,535.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,588.13	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,867.67	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,075.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,438.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,506.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,575.32	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,337.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,230.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,433.31	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,808.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,962.46	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,859.30	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,494.60	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,820.45	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,195.34	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,349.60	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,540.60	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,924.90	111.51
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	5,178.83	147.21
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	5,944.31	168.77
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	3,804.46	107.66

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	364.71	8.15

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	1,063.05	24.83
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	1,232.63	28.06
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	1,465.26	33.62
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	796.79	18.36

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	3,678.73	83.81

11 41 31 00-0015 Flat Top Utility Units *(11 41 31)*

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,508.04	57.29
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	3,361.11	76.56

11 41 33 Foodservice Shelving *(11 41)*

11 41 33 00-0001 Shelving/Racks *(11 41 33)*

11 41 33 00-0002 Chrome Shelving Units *(11 41 33 00-0001)*

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	316.91	38.64
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	333.57	38.96
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	354.22	39.27
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	367.02	39.60
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	391.53	39.92
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	412.26	40.24
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	428.92	40.56
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	466.25	41.19
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	345.36	38.96
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	358.16	39.27
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	370.98	39.60
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	407.34	39.92
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	431.93	40.24
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	464.33	40.56
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	477.06	40.87
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	522.36	41.51
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	362.11	39.27
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	390.57	39.60
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	411.30	39.92
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	435.80	40.24
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	452.55	40.56
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	492.88	40.87
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	513.49	41.19
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	566.62	41.83
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	398.56	39.60
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	415.25	39.92
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	427.97	40.24
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	460.45	40.56
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	481.09	40.87
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	521.40	41.19
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	549.86	41.51
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	618.78	42.15
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	525.48	39.92
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	589.32	40.24
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	629.71	40.56
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	721.24	40.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	580.43	41.19
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	640.50	41.51
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	716.14	41.83
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	838.70	42.47
11 41 33 00-0044		**63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	320.78	38.64
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	337.45	38.96
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	358.08	39.27
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	370.90	39.60
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	395.40	39.92
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	416.11	40.24
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	432.80	40.56
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	470.10	41.19
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	349.21	38.96
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	362.03	39.27
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	374.85	39.60
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	411.20	39.92
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	435.80	40.24
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	468.18	40.56
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	480.93	40.87
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	487.98	41.51
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	365.98	39.27
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	394.44	39.60
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	415.15	39.92
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	439.66	40.24
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	456.42	40.56
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.73	40.87
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	517.37	41.19
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	570.49	41.83
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	402.43	39.60
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	419.11	39.92
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	431.85	40.24
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	464.33	40.56
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	484.97	40.87
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	525.26	41.19
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	553.71	41.51
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	622.65	42.15
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	529.33	39.92
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	593.20	40.24
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	633.57	40.56
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	725.09	40.87
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	584.28	41.19
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	644.35	41.51
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	720.06	41.83
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	842.55	42.47
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	322.80	38.64
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	339.46	38.96
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	360.09	39.27
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	372.92	39.60
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.42	39.92
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	418.13	40.24
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	434.81	40.56
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	472.12	41.19
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	351.25	38.96
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	364.05	39.27
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	376.87	39.60
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	413.23	39.92
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	437.82	40.24
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	470.20	40.56
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	482.95	40.87
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	528.25	41.51
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	368.00	39.27
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	396.46	39.60
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	417.17	39.92
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	441.67	40.24
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	458.44	40.56
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	498.75	40.87
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	519.39	41.19
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	572.51	41.83
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	404.45	39.60
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	421.12	39.92
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	433.86	40.24
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	466.35	40.56
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	486.98	40.87
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	527.29	41.19
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	555.73	41.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	624.67	42.15
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	531.35	39.92
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	595.21	40.24
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	635.60	40.56
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	727.11	40.87
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	586.30	41.19
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	646.37	41.51
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	722.05	41.83
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	844.57	42.47
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	328.67	38.64
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	345.36	38.96
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	365.98	39.27
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	378.81	39.60
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	403.31	39.92
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	424.02	40.24
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	440.70	40.56
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	478.01	41.19
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	357.12	38.96
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	369.94	39.27
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	382.76	39.60
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	419.11	39.92
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	443.69	40.24
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	476.09	40.56
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	488.84	40.87
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	534.12	41.51
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	373.89	39.27
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	402.35	39.60
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	423.06	39.92
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	447.56	40.24
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	464.33	40.56
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	504.64	40.87
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	525.26	41.19
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	578.40	41.83
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	410.34	39.60
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	427.01	39.92
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	439.75	40.24
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	472.22	40.56
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	492.88	40.87
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	533.16	41.19
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	561.62	41.51
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	630.56	42.15
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	537.24	39.92
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	601.10	40.24
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	641.47	40.56
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	733.00	40.87
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	592.19	41.19
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	652.26	41.51
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	727.96	41.83
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	850.46	42.47
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	344.41	38.64
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	361.07	38.96
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	381.70	39.27
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	394.52	39.60
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	419.03	39.92
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	439.75	40.24
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	456.42	40.56
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	493.75	41.19
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	372.85	38.96
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	385.65	39.27
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	398.48	39.60
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	434.84	39.92
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	459.42	40.24
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	491.83	40.56
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	504.56	40.87
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	549.86	41.51
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	389.61	39.27
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	418.07	39.60
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	438.79	39.92
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	463.28	40.24
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	480.04	40.56
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	520.37	40.87
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	540.99	41.19
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	594.11	41.83
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	426.05	39.60
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	442.73	39.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	455.47	40.24
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	487.95	40.56
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	508.59	40.87
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	548.90	41.19
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	577.34	41.51
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	646.27	42.15
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	552.96	39.92
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	616.82	40.24
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	657.21	40.56
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	748.72	40.87
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	607.91	41.19
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	667.98	41.51
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	743.70	41.83
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	866.17	42.47
11 41 33 00-0208		96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	402.48	38.64
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	423.07	38.96
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	448.64	39.27
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	464.41	39.60
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	494.81	39.92
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	520.47	40.24
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	541.07	40.56
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	587.24	41.19
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	437.79	38.96
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	453.57	39.27
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	469.35	39.60
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	514.56	39.92
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	545.05	40.24
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	585.32	40.56
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	600.99	40.87
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	657.13	41.51
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	458.52	39.27
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	493.85	39.60
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	519.51	39.92
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	549.88	40.24
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	570.60	40.56
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	620.76	40.87
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	646.31	41.19
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	712.23	41.83
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	503.83	39.60
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	524.44	39.92
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	540.12	40.24
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	580.49	40.56
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	606.04	40.87
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	656.17	41.19
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	691.50	41.51
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	777.19	42.15
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	662.23	39.92
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	741.81	40.24
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	792.04	40.56
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	906.21	40.87
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	729.96	41.19
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	804.80	41.51
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	899.20	41.83
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,051.83	42.47
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	345.27	38.64
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	362.27	38.96
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	383.38	39.27
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	400.39	39.60
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	425.53	39.92
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	446.54	40.24
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	467.64	40.56
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	501.66	41.19
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	374.32	38.96
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	387.41	39.27
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	412.44	39.60
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	441.58	39.92
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	466.69	40.24
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	499.74	40.56
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	524.88	40.87
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	563.05	41.51
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	391.41	39.27
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	424.57	39.60
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	445.58	39.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	470.71	40.24
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	487.71	40.56
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	532.91	40.87
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	554.01	41.19
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	616.21	41.83
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	432.59	39.60
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	449.60	39.92
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	462.69	40.24
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	495.74	40.56
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	532.91	40.87
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	574.06	41.19
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	607.22	41.51
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	681.54	42.15
11 41 33 00-0283		**63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	353.30	38.64
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	370.30	38.96
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	391.41	39.27
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	408.42	39.60
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	433.55	39.92
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	454.57	40.24
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	475.67	40.56
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	509.69	41.19
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	382.35	38.96
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	395.43	39.27
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	420.47	39.60
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	449.60	39.92
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	474.72	40.24
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.77	40.56
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	532.91	40.87
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	571.02	41.51
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	399.43	39.27
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	432.59	39.60
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	453.61	39.92
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	478.74	40.24
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	495.74	40.56
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	540.93	40.87
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	562.03	41.19
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	624.23	41.83
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	440.62	39.60
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	457.63	39.92
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	470.71	40.24
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	503.76	40.56
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	540.93	40.87
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	582.09	41.19
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	615.25	41.51
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	689.57	42.15
11 41 33 00-0316		**74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	361.32	38.64
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	378.32	38.96
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	399.43	39.27
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	416.45	39.60
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	441.58	39.92
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	462.59	40.24
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.69	40.56
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	517.71	41.19
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	390.37	38.96
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	403.46	39.27
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.49	39.60
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	457.63	39.92
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	482.74	40.24
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	515.79	40.56
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	540.93	40.87
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	579.05	41.51
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	407.46	39.27
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	440.62	39.60
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	461.63	39.92
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	486.76	40.24
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	503.76	40.56
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	548.96	40.87
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	570.06	41.19
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	632.26	41.83
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	448.64	39.60
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	465.65	39.92
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	478.74	40.24
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	511.79	40.56
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	548.96	40.87
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	590.11	41.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	623.27	41.51
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	697.59	42.15
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	381.47	38.64
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	398.47	38.96
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	419.58	39.27
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	436.59	39.60
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	461.73	39.92
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	482.74	40.24
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	503.84	40.56
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	537.86	41.19
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	410.52	38.96
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	423.61	39.27
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	448.64	39.60
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	477.78	39.92
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	502.89	40.24
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	535.94	40.56
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	561.08	40.87
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	599.20	41.51
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	427.61	39.27
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	460.77	39.60
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	481.78	39.92
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	506.91	40.24
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	523.91	40.56
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	569.11	40.87
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	590.21	41.19
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	652.41	41.83
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	468.79	39.60
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	485.80	39.92
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	498.89	40.24
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	531.94	40.56
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	569.11	40.87
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	610.26	41.19
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	643.42	41.51
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	717.74	42.15
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	641.67	39.60
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	703.95	40.24
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	786.29	40.87
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	836.45	41.51
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	699.87	40.24
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	806.37	40.87
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	888.70	41.51
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,011.26	42.15
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	649.70	39.60
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	711.99	40.24
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	794.32	40.87
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	844.48	41.51
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	707.89	40.24
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	814.39	40.87
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	896.73	41.51
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,019.28	42.15
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	657.73	39.60
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	720.02	40.24
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	802.37	40.87
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	852.50	41.51
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	715.92	40.24
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	822.42	40.87
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	904.76	41.51
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,027.33	42.15
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	677.88	39.60
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	740.15	40.24
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	822.50	40.87
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	872.65	41.51
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	736.07	40.24
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	842.57	40.87
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	924.91	41.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,047.46	42.15
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	656.41	39.60
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	759.80	40.24
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	890.32	40.87
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,026.98	41.51
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	768.42	40.24
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	886.93	40.87
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,042.10	41.51
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,246.91	42.15
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	678.00	39.60
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	781.39	40.24
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	914.98	40.87
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,048.56	41.51
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	790.01	40.24
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	908.51	40.87
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,063.68	41.51
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,268.50	42.15
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	699.58	39.60
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	802.97	40.24
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	936.56	40.87
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,070.15	41.51
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	811.59	40.24
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	930.10	40.87
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,085.27	41.51
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,290.08	42.15
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,337.42	39.60
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,477.93	40.24
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,664.43	40.87
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,777.10	41.51
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,600.67	40.24
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,884.09	40.87
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,090.82	41.51
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,399.94	42.15
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,377.62	39.60
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,520.57	40.24
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,710.37	40.87
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,824.95	41.51
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,640.89	40.24
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,924.30	40.87
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,133.29	41.51
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,445.88	42.15
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,417.84	39.60
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,560.01	40.24
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,748.82	40.87
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,862.86	41.51
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,681.10	40.24
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,964.52	40.87
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,172.22	41.51
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,482.79	42.15
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	280.65	28.48
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	295.86	29.27
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	313.21	30.07
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	345.51	30.86
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	373.54	31.65
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	302.00	28.48
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	330.04	29.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	347.39	30.07
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	377.55	30.86
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	411.98	31.65
11 41 33 00-0484		Stainless Steel Dunnage Rack *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	758.36	30.07
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	951.53	30.86
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,610.24	31.65
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	829.78	30.07
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,034.24	30.86
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,756.21	31.65
11 41 33 00-0491		Mobile Racks *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	3,138.15	47.95
11 41 33 00-0493		Can Racks *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,276.72	47.95

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001		Vertical Cutter Mixers *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	18,420.31	225.80
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	21,289.48	250.90
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	26,393.23	361.30
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	29,426.17	451.62
11 42 13 00-0006		Choppers *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 Lb.	4,479.89	200.72
11 42 13 00-0008	EA	Choppers, 16 Lb.	6,587.48	260.94
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	10,796.79	285.32
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	12,285.32	285.32
11 42 13 00-0011		Stand Model Mixer *(11 42 13)*		
11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,428.91	113.86
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,772.59	113.86
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,645.79	113.86
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,744.58	95.34
11 42 13 00-0016		Floor Model Mixer *(11 42 13)*		
11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,662.85	113.86
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	5,062.93	126.54
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,703.21	142.34
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,547.35	95.34
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,776.31	97.84
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	29,014.84	100.36
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,855.00	125.44
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,894.24	160.58
11 42 13 00-0025		Slicers *(11 42 13)*		
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	778.35	35.59
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,130.54	35.59
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,625.57	35.59
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,757.08	35.59
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	3,039.95	35.59
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,228.05	35.59
11 42 13 00-0032		Peelers *(11 42 13)*		
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,815.86	163.08
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,404.67	190.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic Pl-30)	6,849.16	217.48
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	6,116.89	163.08
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,421.96	190.18
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	13,230.07	217.48
11 42 13 00-0039		Proof Boxes *(11 42 13)*		
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,332.35	83.81
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,576.05	140.45
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,373.70	63.76
11 42 13 00-0043		Non-Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	3,508.74	80.31
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	3,764.21	85.87
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	3,484.98	79.66
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	3,693.58	84.45
11 42 13 00-0048		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	5,743.93	163.35
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	6,002.48	170.77
11 42 13 00-0051		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,902.08	210.76
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,411.12	210.76
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,754.52	220.78
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,794.36	220.78
11 42 16		**Food Preparation Surfaces** *(11 42)*		
11 42 16 00-0001		Tables *(11 42 16)*		
11 42 16 00-0002		Baker's Table *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	958.16	72.82
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,880.53	142.79
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,320.29	176.20
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,488.68	189.20
11 42 16 00-0007	EA	10' Bins Baker's Table	3,661.52	278.44
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,749.59	437.07
11 42 16 00-0009		Preparation Table, Stainless Steel, With Under Shelf *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,231.26	38.41
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Under Shelf	1,328.09	46.12
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	2,005.66	62.69
11 42 16 00-0013		Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,296.45	40.40
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,666.31	51.97
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,431.35	44.70
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,722.88	53.83
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	348.05	10.85
11 42 16 00-0019		Mobile Tables *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,237.02	34.41
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,755.00	41.27
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,483.63	46.40
11 42 16 00-0023		Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,649.71	82.82
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,149.24	67.11
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	178.39	5.57
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	260.99	8.14
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,201.86	131.26
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	10,348.85	261.88
11 42 16 00-0030		Basic Table *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	316.20	26.65
11 42 16 00-0032		Table With Sink *(11 42 16)*		
11 42 16 00-0033	LF	Table With Sink	401.12	49.90

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001 Stainless Steel Scullery Sinks *(11 42 23)*

Note: Excludes faucet. See CSI section 22 42 39 00-0109 for service sink faucets.

11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	3,190.54	209.38
		For Additional Drain Board, Add	*295.13*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	4,553.71	239.29
		For Additional Drain Board, Add	*425.46*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	6,061.32	239.29
		For Additional Drain Board, Add	*570.24*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	8,654.34	239.29
		For Additional Drain Board, Add	*817.58*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	5,339.52	239.29
11 42 23 00-0007	EA	66" Wide x 33-1/2", Stainless Steel Scullery Sink, Triple Compartment Note: 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.	7,276.04	455.95
11 42 23 00-0008	EA	99" Wide x 33", Stainless Steel Scullery Sink, Triple Compartment Note: With left and right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.	7,145.95	463.62
11 42 23 00-0009	EA	82-1/2" Wide x 33-1/2", Stainless Steel Scullery Sink, Triple Compartment Note: With left or right table drain board extensions and 6" backsplash with 45-degree return angle, rolled edges. Separated tubs to maintain water temperature.	6,844.95	463.62
11 42 23 00-0010	EA	21" Wide x 23-1/2", Stainless Steel Scullery Sink, Single Compartment Note: 6" backsplash with 45-degree return angle, rolled edges.	3,605.89	254.35
11 42 23 00-0011	EA	36-1/2" Wide x 23-1/2", Stainless Steel Scullery Sink, Single Compartment Note: With left or right 18" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.	3,881.38	254.35
11 42 23 00-0012	EA	42-1/2" Wide x 23-1/2", Stainless Steel Scullery Sink, Single Compartment Note: With left or right 24" table drain board extension and 6" backsplash with 45-degree return angle, rolled edges.	4,047.19	254.35
11 42 23 00-0013	EA	36" Wide, Double 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-2-36-X)	1,249.64	209.38
11 42 23 00-0014	EA	39" Wide, Double 16" Length x 20" Width x 12" Depth Compartment, 18 Gauge, Stainless Steel Scullery Sink (Elkay E2C16X20-0X)	1,704.79	209.38
11 42 23 00-0015	EA	54" Wide, Triple 21" Length x 18" Width x 14" Depth Compartment, 16 Gauge, Stainless Steel Scullery Sink (Advance Tabco 4-3-54-X)	1,487.55	239.29

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001 Range *(11 44 13)*

11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	2,922.56	100.36
11 44 13 00-0003	EA	Range With Fry Top	2,922.56	100.36
11 44 13 00-0004	EA	Steel Finish Fry Top	6,286.24	157.64
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,283.34	155.84
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,260.66	181.45
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L) Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.	6,554.32	161.66
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,931.26	95.90

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001 Bake Oven *(11 44 16)*

11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,818.76	490.77
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	21,818.76	490.77
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	29,521.74	490.77
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	29,521.74	490.77
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	42,114.67	560.88
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	42,114.67	560.88
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	61,532.71	560.88
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	61,532.71	560.88
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	66,907.57	701.10
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	66,907.57	701.10
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	94,031.20	701.10
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	94,031.20	701.10

11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens *(11 44 16)*

11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	10,005.34	23.98
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,935.98	23.98
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,674.86	23.98
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	7,129.51	23.98
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	7,420.35	23.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	7,420.35	23.98
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	7,420.35	23.98
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	7,420.35	23.98
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	7,420.35	23.98
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	13,808.00	23.98
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,801.52	23.98
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,836.26	23.98
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,587.21	23.98
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	6,075.97	23.98
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	14,532.08	23.98
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,972.89	23.98
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	9,072.48	23.98
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	18,262.33	23.98
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	18,262.33	23.98
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	18,938.15	23.98
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	18,938.15	23.98
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	10,040.34	23.98
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	10,005.34	23.98
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	12,205.35	23.98
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	10,631.67	23.98
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,879.52	23.98
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	12,457.58	23.98
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	11,029.92	23.98
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	13,409.75	23.98
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	14,007.12	23.98
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	10,583.40	23.98
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	10,161.02	23.98
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	10,161.02	23.98
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,704.08	23.98
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,704.08	23.98
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	11,632.12	23.98
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,585.63	23.98
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	15,585.63	23.98
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	16,237.31	23.98
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	16,237.31	23.98
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	14,609.32	23.98
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,981.65	23.98
11 44 16 00-0057		**Combination Ovens** *(11 44 16)*		
		Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,698.20	175.62
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	42,180.60	200.72
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	34,837.20	200.72
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	84,134.31	250.90
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	63,858.56	250.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0063		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	8,142.70	160.58
11 44 16 00-0065	EA	Conveyor Broiler	7,228.90	186.36
11 44 16 00-0066		**Oven Stands** *(11 44 16)*		
11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	2,043.49	
11 44 16 00-0068		**Countertop Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	248.54	11.99
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	401.14	11.99
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	472.21	11.99
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	606.95	11.99
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,100.99	11.99
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,280.65	11.99
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	221.59	11.99
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	365.31	11.99
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,037.26	11.99
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	943.93	11.99
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,282.26	11.99
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,077.49	11.99
11 44 16 00-0081		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,550.05	47.96
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	9,024.55	95.90
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	9,024.55	95.90
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	9,024.55	95.90
11 44 16 00-0086	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	9,024.55	95.90
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,896.90	95.90
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,448.45	47.96
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,448.45	47.96
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,174.98	47.96
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,448.45	47.96
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,448.45	47.96
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,349.98	95.90
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,954.40	47.96
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,908.81	95.90
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,896.90	95.90
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,847.03	95.90
11 44 16 00-0098		**Natural Gas Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	4,695.97	47.96
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	9,313.91	95.90
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	16,058.95	95.90
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	15,378.64	95.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	14,358.18	95.90
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,029.47	47.96
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,125.38	95.90
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	22,439.82	95.90
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,179.09	47.96
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	19,680.58	95.90
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	29,244.88	95.90
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	22,439.82	95.90
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	18,379.99	95.90
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	16,359.08	95.90
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	7,689.32	47.96
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN)	9,872.10	200.72
		For 5" Swivel Plate Casters, Set of 4, Add	*671.37*	

11 44 16 00-0115 Liquid Propane Convection Type Ovens *(11 44 16)*

11 44 16 00-0116	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L)	9,313.91	95.90
11 44 16 00-0117	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP)	16,058.95	95.90
11 44 16 00-0118	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K)	8,029.47	47.96
11 44 16 00-0119	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP)	30,301.35	95.90
11 44 16 00-0120	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	14,358.18	95.90
11 44 16 00-0121	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP)	15,378.64	95.90
11 44 16 00-0122	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL)	7,689.32	47.96
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,179.09	47.96

11 44 16 00-0124 Countertop Pizza Oven *(11 44 16)*

11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	6,803.67	23.98

11 44 16 00-0126 Rotary Deck Pizza Oven *(11 44 16)*

11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	40,282.60	95.90

11 44 16 00-0128 Triple Conveyor Oven *(11 44 16)*

11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	63,516.72	191.81
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	63,516.72	191.81
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,278.01	191.81
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	117,443.15	191.81
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	117,443.15	191.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,278.01	191.81
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	121,278.01	191.81

11 44 19 Commercial Cooking Equipment *(11 44)*

11 44 19 00-0001 Drop-In Electric Griddle *(11 44 19)*

11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,485.84	138.00
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,393.21	138.00
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	7,319.02	150.54
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,764.69	150.54
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	11,240.61	163.08

11 44 19 00-0007 Countertop Griddle *(11 44 19)*

11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	622.93	178.50
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	761.75	178.50
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	842.73	178.50
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	1,049.83	178.50
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,136.01	178.50
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,445.24	178.50

11 44 19 00-0014 Panini Sandwich Grill *(11 44 19)*

11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	589.84	95.90
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	459.33	95.90
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	459.33	95.90
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	459.33	95.90
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	908.10	95.90

11 44 19 00-0020 Electric Countertop Fryer, With Basket *(11 44 19)*

11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)	888.76	95.90
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	1,911.14	95.90
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	7,019.86	95.90

11 44 19 00-0024 Electric Floor Fryer, With Basket *(11 44 19)*

11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	7,084.84	200.72
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,439.07	200.72
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,853.95	260.94
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	24,435.24	260.94

11 44 19 00-0029 Natural Gas Floor Fryer, With Basket *(11 44 19)*

11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,383.74	153.45
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,589.24	191.81
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518)	2,326.98	383.63

11 44 19 00-0033 Steam Jacketed Kettles *(11 44 19)*

11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,042.06	23.98
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	11,598.66	23.98
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,222.11	23.98
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	9,615.29	23.98
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	33,747.73	23.98
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	59,479.63	95.90
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	140,629.93	95.90
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	30,938.37	95.90
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	30,938.37	95.90
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	56,694.18	95.90
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	20,686.02	95.90
11 44 19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	45,625.77	95.90
11 44 19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	57,111.82	95.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	40,640.27	95.90
11 44 19 00-0048	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	37,494.84	95.90
11 44 19 00-0049	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	115,709.40	95.90
11 44 19 00-0050	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	119,389.55	95.90
11 44 19 00-0051	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	55,669.77	191.81
11 44 19 00-0052	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	38,822.51	191.81
11 44 19 00-0053	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	55,391.92	191.81
11 44 19 00-0054	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	46,029.03	191.81
11 44 19 00-0055	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	47,696.11	191.81
11 44 19 00-0056	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,077.50	191.81
11 44 19 00-0057	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	57,822.64	191.81
11 44 19 00-0058	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	57,523.82	191.81
11 44 19 00-0059	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	63,744.78	191.81
11 44 19 00-0060	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	43,191.16	191.81
11 44 19 00-0061	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	26,342.15	191.81
11 44 19 00-0062	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	139,979.47	191.81
11 44 19 00-0063	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	46,336.59	191.81
11 44 19 00-0064	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	57,822.64	191.81
11 44 19 00-0065	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	134,349.16	191.81
11 44 19 00-0066	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	44,159.25	191.81
11 44 19 00-0067	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	133,983.94	191.81
11 44 19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	45,670.80	191.81
11 44 19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	158,186.26	191.81
11 44 19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,014.53	191.81
11 44 19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	46,029.03	191.81
11 44 19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	45,775.65	191.81
11 44 19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	134,737.09	191.81
11 44 19 00-0074	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,077.50	191.81
11 44 19 00-0075	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	55,669.77	191.81
11 44 19 00-0076	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,242.22	191.81
11 44 19 00-0077	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	26,066.05	191.81
11 44 19 00-0078	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	45,578.19	191.81
11 44 19 00-0079	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	60,802.06	191.81
11 44 19 00-0080	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	23,741.93	191.81
11 44 19 00-0081	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	16,509.19	191.81
11 44 19 00-0082	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	17,545.43	191.81
11 44 19 00-0083	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	27,327.72	191.81
11 44 19 00-0084	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	20,437.48	191.81
11 44 19 00-0085	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	16,568.60	191.81
11 44 19 00-0086	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	41,220.02	191.81
11 44 19 00-0087	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	8,958.42	191.81
11 44 19 00-0088	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	29,038.48	191.81
11 44 19 00-0089	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	12,528.48	191.81
11 44 19 00-0090	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	31,366.10	191.81
11 44 19 00-0091	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	19,651.12	191.81
11 44 19 00-0092		Steamers, Electric *(11 44 19)*		
11 44 19 00-0093		Cooking Equipment/ Steamers *(11 44 19 00-0092)*		
11 44 19 00-0094	EA	3 Pan, Electric Countertop Convection Steamer	11,680.33	210.76
11 44 19 00-0095	EA	5 Pan, Electric Countertop Convection Steamer	15,426.53	220.78
11 44 19 00-0096	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	10,795.40	210.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0097	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	15,808.62	220.78
11 44 19 00-0098		**Braising Pans** *(11 44 19)*		
11 44 19 00-0099	EA	24" x 24", 240 Volt, Tilting Braising Pan	9,707.38	225.42
11 44 19 00-0100	EA	24" x 31", 240 Volt, Tilting Braising Pan	10,243.81	237.05
11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan	10,910.44	252.44
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	12,654.74	293.95
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	13,085.69	303.01
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	13,594.11	311.03
11 44 19 00-0105		**Toasters** *(11 44 19)*		
11 44 19 00-0106	EA	Bun Toaster 3.2 KW	1,936.32	55.69
11 44 19 00-0107	EA	Bun Toaster 4.3 KW	2,113.17	60.69
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	829.71	108.68
11 44 19 00-0109	EA	Conveyor Toaster	1,459.40	163.08
11 44 19 00-0110		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	199.03	11.99
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	218.49	11.99
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	283.32	11.99
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	361.13	11.99
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	451.91	11.99
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	283.32	11.99
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	330.66	11.99
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	584.19	11.99
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	712.58	11.99
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,494.54	11.99
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	412.76	11.99
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	562.21	11.99
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	432.47	11.99
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	380.60	11.99
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	735.92	11.99
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	341.69	11.99
11 44 19 00-0127	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	709.98	11.99
11 44 19 00-0128	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12)	787.79	11.99
11 44 19 00-0129	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,320.77	11.99
11 44 19 00-0130	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,226.10	11.99
11 44 19 00-0131	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,442.67	11.99
11 44 19 00-0132	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,351.89	11.99
11 44 19 00-0133	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,517.88	11.99
11 44 19 00-0134	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	4,091.36	11.99
11 44 19 00-0135	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	5,421.87	11.99
11 44 19 00-0136	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,692.95	11.99
11 44 19 00-0137	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22)	5,275.98	11.99
11 44 19 00-0138	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24)	3,256.88	11.99
11 44 19 00-0139	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18)	878.56	11.99
11 44 19 00-0140	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	930.44	11.99
11 44 19 00-0141	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	995.28	11.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0142	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2)	2,393.22	11.99
11 44 19 00-0143	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	800.76	11.99
11 44 19 00-0144	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182)	1,751.30	11.99
11 44 19 00-0145	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,762.98	11.99
11 44 19 00-0146	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,644.97	11.99
11 44 19 00-0147	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,833.00	11.99
11 44 19 00-0148	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,657.94	11.99
11 44 19 00-0149	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,988.44	11.99
11 44 19 00-0150	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,922.13	11.99
11 44 19 00-0151		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0152	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	7,998.20	184.81
11 44 19 00-0153	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	7,998.20	184.81
11 44 19 00-0154	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	9,940.95	230.72
11 44 19 00-0155		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0156	EA	2 Burners Gas Countertop Hot Plate	1,019.69	23.54
11 44 19 00-0157		**Food Service Additions** *(11 44 19)*		
11 44 19 00-0158	EA	30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	8,268.90	23.28
11 44 19 00-0159	EA	Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,389.69	167.60
11 44 19 00-0160	EA	Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	53,620.07	
11 44 19 00-0161	EA	1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,082.87	12.47
11 44 19 00-0162	EA	1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	629.65	12.47
11 44 19 00-0163	EA	48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,796.82	150.54
11 44 19 00-0164	EA	120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,841.08	290.04
11 44 19 00-0165	EA	1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	6,002.26	290.04
11 44 19 00-0166	EA	Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	21,012.20	210.76
11 44 19 00-0167	EA	115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	38,431.69	252.18
11 44 19 00-0168	EA	50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,984.49	129.32
11 44 19 00-0169	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,950.39	60.41
11 44 19 00-0170	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,322.33	293.57
11 44 19 00-0171	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	301.25	23.93
11 44 19 00-0172	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,508.15	324.97
11 44 19 00-0173	EA	20', 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	14,351.98	12.47
11 44 19 00-0174	EA	1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	20,523.93	167.83
11 44 19 00-0175	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,746.45	156.48
11 44 19 00-0176	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,134.19	5.76
11 44 19 00-0177	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	27,207.35	227.40
11 44 19 00-0178	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM)	23,845.75	194.91
11 44 19 00-0179	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,707.75	144.52
11 44 19 00-0180	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,427.51	250.90
11 44 19 00-0181	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh)	18,367.36	227.40
11 44 19 00-0182	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,634.40	59.49
11 44 19 00-0183	EA	Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	17,323.84	225.80
11 44 19 00-0184	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	19,023.42	225.80
11 44 19 00-0185	EA	2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,611.79	200.72
11 44 19 00-0186	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,528.81	95.90
11 44 19 00-0187	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,203.92	95.90
11 44 19 00-0188	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,560.90	95.90
11 44 19 00-0189	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	1,020.88	47.96
11 44 19 00-0190	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	430.21	71.93
11 44 19 00-0191	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,753.95	47.96
11 44 19 00-0192	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	33,285.50	150.54
11 44 19 00-0193	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,647.45	95.90
11 44 19 00-0194	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,910.65	138.00
11 44 19 00-0195	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	16,988.54	138.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0196	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	39,566.35	100.36
11 44 19 00-0197	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,778.95	161.66
11 44 19 00-0198	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,422.31	170.60
11 44 19 00-0199	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,422.31	170.60
11 44 19 00-0200	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,422.31	170.60
11 44 19 00-0201	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,870.49	200.72
11 44 19 00-0202	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,362.16	270.28
11 44 19 00-0203	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,342.32	71.93
11 44 19 00-0204	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,483.51	258.32
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	31,558.76	194.91
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,626.50	47.96
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,806.44	210.76
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,573.10	210.76
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,927.79	210.76
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,531.58	210.76
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,721.29	210.76
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	51,030.08	100.36
11 44 19 00-0213		Other Kettles *(11 44 19)*		
11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,980.68	129.32
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	7,819.69	129.32
11 44 19 00-0216		Charbroilers *(11 44 19)*		
11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	1,005.19	95.90
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	824.67	127.84
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	572.02	95.90
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	1,048.00	109.62
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,739.91	109.62
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	1,069.16	127.84
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,376.68	127.84
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	3,288.27	153.45
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	3,303.64	153.45
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	2,053.21	127.84
11 44 19 00-0227	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,702.84	153.45
11 44 19 00-0228	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,687.47	153.45
11 44 19 00-0229	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	4,410.70	153.45
11 44 19 00-0230	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,858.17	191.81
11 44 19 00-0231	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,764.77	191.81
11 44 19 00-0232	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG CPG)	2,304.07	191.81
11 44 19 00-0233	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,687.32	191.81

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001		Soft Serve Machines *(11 46 13)*		
11 46 13 00-0002	EA	Soft Serve Machines, Medium	21,027.27	118.62
11 46 13 00-0003	EA	Soft Serve Machines, Large	35,545.95	144.92
11 46 13 00-0004		Salad Bars *(11 46 13)*		
11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	13,273.59	501.13
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	12,177.98	501.13
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	8,557.89	275.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	6,768.70	226.19
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,281.81	331.85
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	11,320.53	293.95
11 46 13 00-0011	EA	Salad Bar Tray Fixed	2,627.42	49.79
11 46 13 00-0012	EA	Salad Bar Tray Hinged	2,798.36	49.79

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	715.42	20.56

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,539.55	44.26
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,523.19	101.38

11 46 16 00-0006 Countertop Food Warmer *(11 46 16)*

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	195.32	35.59
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	172.59	35.59
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	505.77	35.59
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	352.77	35.59

11 46 16 00-0011 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,178.22	184.81
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	11,684.61	264.86

11 46 16 00-0014 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,768.98	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,607.50	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,469.05	

11 46 16 00-0018 Stationary Hot Food Units *(11 46 16)*

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,745.75	37.64
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,342.31	43.33
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,916.53	55.48

11 46 16 00-0022 Serving Counters *(11 46 16)*

11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	119.82	40.94
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	153.13	62.72

11 46 16 00-0025 Drop-In Equipment *(11 46 16)*

11 46 16 00-0026	EA	Hot Food Well, Rectangular	747.70	130.46
11 46 16 00-0027	EA	Hot Food Well, Circular	671.65	130.46
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,807.31	130.46
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	2,052.79	144.92
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,332.02	163.08
11 46 16 00-0031	EA	Frost Cold Plate	3,370.22	144.92

11 46 16 00-0032 Beverage Dispensing *(11 46 16)*

11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	5,578.88	232.07
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	7,951.14	324.85
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	2,175.35	232.07
11 46 16 00-0036	EA	Hot Chocolate Dispenser	2,150.50	191.15
11 46 16 00-0037	EA	Iced Tea Brewer	3,234.30	191.15
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	2,100.46	289.64
11 46 16 00-0039	EA	Jet Spray Dispenser	3,146.76	289.94
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	2,752.36	163.08
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	3,836.17	163.08

11 46 16 00-0042 Dish Dispensers *(11 46 16)*

11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,080.36	35.59
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	1,156.11	34.24
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	1,916.58	106.45
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	713.45	23.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	4,634.16	23.98
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	238.66	30.01
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	736.83	30.01
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	5,777.16	164.06
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	13,263.81	368.82
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	5,091.24	115.75
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	696.61	15.65
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	4,439.51	110.70
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	7,309.15	165.93
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	8,890.89	167.30
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	12,856.11	210.46
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	9,318.71	167.30
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	13,477.87	210.46
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	10,197.36	59.93
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	429.59	35.59
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	377.83	35.59
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	456.14	35.59
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	469.42	35.59
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	252.72	35.59
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,618.92	35.59
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,790.69	35.59
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,532.98	35.59
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,477.90	35.59
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	2,141.51	23.98
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,455.68	23.98
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,462.48	27.43
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,671.94	27.43
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,671.94	27.43
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,424.05	27.43
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,424.05	27.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	4,310.57	31.93
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	5,478.70	31.93
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	4,310.57	31.93
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	5,478.70	31.93
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,565.91	31.93
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,565.91	31.93
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,565.91	31.93
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,852.57	31.93
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	6,169.81	31.93
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,852.57	31.93
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,810.56	31.93
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	6,169.81	31.93
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	6,535.65	31.93
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	5,139.91	31.93
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	6,154.97	31.93
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	6,535.65	31.93
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	5,139.91	31.93
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,762.28	31.93
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	6,368.40	31.93
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,762.28	31.93
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,762.28	31.93
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,746.45	31.93
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	2,163.28	34.91
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	7,169.84	34.91
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,638.52	34.91
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,804.30	31.93
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,294.68	34.91
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	7,406.04	34.91
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	7,406.04	34.91
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	7,406.04	34.91
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,241.39	34.91
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,916.25	34.91
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,916.25	34.91
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,916.25	34.91
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,023.62	34.91
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	9,056.45	34.91
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	16,236.49	34.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	16,236.49	34.91
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	9,469.86	38.36
11 46 16 00-0127		**Dry Bakery Display Case** *(11 46 16)*		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,630.67	23.98
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,630.67	23.98
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,806.63	23.98
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,806.63	23.98
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,077.36	27.43
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,473.27	27.43
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,420.48	27.43
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,420.48	27.43
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,067.66	31.93
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,071.37	31.93
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	7,044.55	38.36
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	4,915.55	34.91
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	4,915.55	34.91
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	4,915.55	34.91
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	4,915.55	34.91
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,112.18	34.91
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,112.18	34.91
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,527.39	38.36
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,527.39	38.36
11 46 16 00-0147		**Dual Dry/Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	17,626.37	34.91
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	17,626.37	34.91
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	17,626.37	34.91
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	17,633.36	38.36
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	18,099.81	38.36
11 46 16 00-0153		**Refrigerated Deli Case** *(11 46 16)*		
11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	8,427.46	127.84
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	8,427.46	127.84
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,650.57	127.84
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,650.57	127.84
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	1,989.21	76.72
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,162.83	76.72

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0160		EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	1,989.21	76.72
11 46 16 00-0161		EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,256.02	95.90
11 46 16 00-0162		EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,447.91	95.90
11 46 16 00-0163		EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,648.94	127.84
11 46 16 00-0164		EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,648.94	127.84
11 46 16 00-0165		EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	2,987.04	127.84
11 46 16 00-0166		EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,319.99	127.84
11 46 16 00-0167		EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,886.52	127.84
11 46 16 00-0168		EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,886.52	127.84
11 46 16 00-0169		EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	3,169.79	127.84

11 46 19 Soda Fountain Equipment *(11 46)*

11 46 19 00-0001 Carbonated Beverage Dispensing *(11 46 19)*

11 46 19 00-0002		EA	Carbonated Beverage Dispenser	5,793.32	407.76
11 46 19 00-0003		EA	Carbonated Beverage Dispenser With 90 Lb. Ice	9,461.64	465.96
11 46 19 00-0004		EA	Carbonated Beverage Dispenser With 150 Lb. Ice	17,702.46	652.32

11 46 19 00-0005 Beverage Chilling Systems *(11 46 19)*

11 46 19 00-0006		EA	Beverage Chiller, Small	7,884.42	398.78
11 46 19 00-0007		EA	Beverage Chiller, Large	14,724.98	598.23

11 46 83 Ice Machines *(11 46)*

11 46 83 00-0001 Undercounter Ice Machines With Bin *(11 46 83)*

11 46 83 00-0002		EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,629.25	23.98
11 46 83 00-0003		EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	4,180.06	175.62
11 46 83 00-0004		EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	3,173.94	175.62
11 46 83 00-0005		EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	3,097.00	175.62
11 46 83 00-0006		EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,336.31	188.18
11 46 83 00-0007		EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,737.61	188.18

11 46 83 00-0008 Ice Cube Maker *(11 46 83)*

11 46 83 00-0009		EA	320 Lb./Day, Modular Ice Maker Without Bin	4,289.42	188.18
11 46 83 00-0010		EA	451 Lb./Day, Modular Ice Maker Without Bin	4,662.59	200.72
11 46 83 00-0011		EA	600 Lb./Day, Modular Ice Maker Without Bin	5,348.70	200.72
11 46 83 00-0012		EA	901 Lb./Day, Modular Ice Maker Without Bin	7,674.02	213.26
11 46 83 00-0013		EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,718.52	213.26
11 46 83 00-0014		EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,521.84	225.80
11 46 83 00-0015		EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,631.86	225.80

11 46 83 00-0016 Ice Flakers *(11 46 83)*

11 46 83 00-0017		EA	300 Lb./Day, Ice Flakers	6,070.83	649.93
11 46 83 00-0018		EA	600 Lb./Day, Ice Flakers	10,973.98	1,039.90
11 46 83 00-0019		EA	1,000 Lb./Day, Ice Flakers	13,592.21	1,429.87
11 46 83 00-0020		EA	2,000 Lb./Day, Ice Flakers	16,572.40	1,559.86

11 46 83 00-0021 Ice Storage Bins *(11 46 83)*

11 46 83 00-0022		EA	260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,722.50	143.86
11 46 83 00-0023		EA	360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,890.20	143.86
11 46 83 00-0024		EA	550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,361.39	155.85
11 46 83 00-0025		EA	660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,547.73	155.85
11 46 83 00-0026		EA	1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,900.94	167.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001 Rack Type Dishwasher *(11 48 13)*

11 48 13 00-0002	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	29,730.38	1,104.50
11 48 13 00-0003	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	48,562.40	1,364.38
11 48 13 00-0004	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	58,076.88	1,559.30

11 48 13 00-0005 Exhaust Hood Dishwasher *(11 48 13)*

11 48 13 00-0006	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,742.72	281.75
11 48 13 00-0007	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,665.85	338.10

11 48 13 00-0008 Dish Tables *(11 48 13)*

11 48 13 00-0009	EA	2' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	466.01	99.31
11 48 13 00-0010	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	505.05	109.17
11 48 13 00-0011	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	611.61	119.65
11 48 13 00-0012	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	684.05	131.61
11 48 13 00-0013	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	761.01	143.58
11 48 13 00-0014	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean/Soiled Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	837.18	158.53
11 48 13 00-0015	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Clean Dish Table Extension Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet.	955.11	173.48
11 48 13 00-0016	EA	3' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	643.22	149.56
11 48 13 00-0017	EA	4' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	745.35	164.51
11 48 13 00-0018	EA	5' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	806.85	179.47
11 48 13 00-0019	EA	6' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	916.08	197.42
11 48 13 00-0020	EA	7' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	1,135.11	218.35
11 48 13 00-0021	EA	8' Long x 30" Front To Back x 44-3/4" Height, 16 Gauge 304 Stainless Steel, Soiled Dish Table Extension With 6" Bowl Depth x 20-1/4" x 20-1/4" Sink Note: Includes 10-3/4" high backsplash, 2" return for drainage, 1-5/8" diameter stainless steel legs with stainless steel sockets, gusset channel, and bullet feet. Excludes faucet and drain.	1,199.54	239.29

11 48 13 00-0022 Undercounter Type Dishwasher *(11 48 13)*

11 48 13 00-0023	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,789.87	227.40
11 48 13 00-0024	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Noble WF-UL30-NO-115)	5,272.21	191.81
11 48 13 00-0025	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Undercounter Dishwasher (Jackson DISHSTAR LT UNDERCOUNTER)	7,953.43	191.81
11 48 13 00-0026	EA	1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, High Temperature Undercounter Dishwasher (Noble WF-UH30-FND-NO)	5,660.06	191.81
11 48 13 00-0027	EA	1.1 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, High Temperature Undercounter Dishwasher (Jackson DISHSTAR HT)	8,292.38	191.81
11 48 13 00-0028	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230V, 1 Phase, Energy Efficient High Temperature Undercounter Dishwasher (Jackson DISHSTAR HTE)	8,629.64	191.81
11 48 13 00-0029	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson DSTR HT-SEER)	9,958.44	191.81
11 48 13 00-0030	EA	0.65 Gallons Per Rack, 155 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 1 Phase, High Temperature Undercounter Dishwasher With Energy Recovery (Jackson TEMPSTAR-HH VER)	22,922.72	191.81
11 48 13 00-0031	EA	0.74 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher (Hobart LXEH-2)	12,876.03	191.81
11 48 13 00-0032	EA	0.62 Gallons Per Rack, 180 Degrees Fahrenheit, 120/208-240 Volt, Hot Water Sanitizing, Undercounter Dishwasher With Energy Recovery (Hobart LXER-2)	13,803.07	191.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 13 00-0033		Sprays And Hoses *(11 48 13)*		
11 48 13 00-0034		Sprays, Fillers *(11 48 13 00-0033)*		
11 48 13 00-0035	EA	Pre-Rinse Spray	665.03	94.80
11 48 13 00-0036	EA	Kettle Fillers	569.96	94.80
11 48 13 00-0037		Hoses *(11 48 13 00-0033)*		
11 48 13 00-0038	EA	Hose Reel	798.04	113.80
11 48 13 00-0039	EA	Wash-Down Hose	607.90	113.80
11 48 13 00-0040	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,561.93	
11 48 13 00-0041		Commercial Dishwashers *(11 48 13)*		
11 48 13 00-0042	EA	1.16 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, Single Rack, Low Temperature Glass Washer/Dishwasher (Noble WF-DG-E-NO 115/1)	6,350.05	511.47
11 48 13 00-0043	EA	1.2 Gallons Per Rack, 120 To 140 Degrees Fahrenheit, 115 Volt, Low Temperature Dishwasher (Noble WF-HT180-D-7-NO)	10,752.69	191.81
11 48 13 00-0044	EA	1.02 Gallons Per Rack, 120 Degrees Fahrenheit, 115 Volt, Single Rack, Low Temperature Door-Type Dish Machine (Noble WF-I-E-NO 115)	5,613.69	590.21
11 48 13 00-0045	EA	2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 115 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG-115-NO)	6,621.25	191.81
11 48 13 00-0046	EA	2.23 Gallons Per Rack, 130 Degrees Fahrenheit, 208 To 230 Volt, Electric Carousel Type Underbar Glass Washer (Noble WF-CG NOBLE LABEL)	6,621.25	191.81
11 48 13 00-0047	EA	1.61 Gallons Per Rack, 140 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble 1-HH-NO)	6,338.80	590.21
11 48 13 00-0048	EA	1.36 Gallons Per Rack, 140 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Functionality, High Temperature Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	13,488.71	590.21
11 48 13 00-0049	EA	1.561 Gallons Per Rack, 145 Degrees Fahrenheit, 115 Volt, Dual Functionality, Low Temperature Door Type Dish/Pot And Pan Washer (Noble WF-I-E-A-LTH-NO)	8,092.55	590.21
11 48 13 00-0050	EA	1.02 Gallons Per Rack, 145 Degrees Fahrenheit, 208/230 Volt, 1 Phase, Dual Benefit, Low Temperature Door Type Dishwasher (Noble WF-IE-LTH-NO)	7,907.06	590.21
11 48 13 00-0051	EA	0.75 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, Door Type Dishwasher High Hood With Electric Booster Heater (Jackson TEMPSTAR-HH)	18,974.25	590.21
11 48 13 00-0052	EA	1.17 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 115 Volt, Double Rack Low Temperature Dishwasher (Noble WF-II-NO)	7,923.92	590.21
11 48 13 00-0053	EA	1.36 Gallons Per Rack, 150 To 180 Degrees Fahrenheit Temperature Range, 208/230 Volt, 3 Phase, High Temperature Dual Functionality Tall Dish/Pot And Pan Washer (Noble WF-HT-180HH-NO)	13,488.71	590.21
11 48 13 00-0054	EA	60 Second Wash Cycle Time, 8 Gallon Tank, Single Cycle, Select Single Rack High/Low Temperature, Straight/Corner Dishwasher (Noble HT-180EC1)	8,783.94	590.21
11 48 13 00-0055	EA	4 Cycles, 40 Racks Per Hour, 60 To 360 Second Wash Cycle Time, 14 Gallon, 208-240 Volt, 1 Phase, Ventless High Temperature Dishwasher With Booster Heater (Hobart AM15VL-6)	31,265.52	590.21
11 48 13 00-0056	EA	208-240 Volt, 3 Phase, Ventless, Tall High Temperature Dishwasher With Booster Heater (Hobart AM15VLT-2)	36,976.11	590.21
11 48 13 00-0057	EA	208/230 Volt, 3 Phase, 0.89 Gallons Per Rack, 110 Degrees Fahrenheit, Multi Cycle, High Temperature Dishwasher (Noble WF-HT180-A-7-NO)	11,549.47	590.21
11 48 16		**Foodservice Disposal Equipment** *(11 48)*		
11 48 16 00-0001		Garbage Disposals *(11 48 16)* Note: Manual switch.		
11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,426.39	175.42
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,104.20	181.92
11 48 16 00-0004	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,340.99	188.42
11 48 16 00-0005	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,422.53	194.91
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	4,833.63	214.41
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	6,904.01	233.90
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	8,281.99	259.88
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	11,604.77	279.37
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	15,347.37	292.37
11 48 16 00-0011		Pulper/Extractors *(11 48 16)*		
11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	10,080.32	270.67

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	428.96	99.99
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	512.14	128.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	652.44	178.54
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	757.06	214.25
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,170.42	321.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,374.59	357.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	984.74	228.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,132.20	285.67
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	604.56	121.41
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	837.30	171.40
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	913.33	192.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	975.08	207.10
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,127.15	249.96
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	917.94	178.54
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	1,041.45	207.10
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	976.76	128.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,150.25	178.54
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,345.17	242.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,568.67	321.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,715.71	328.52
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,839.21	357.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,872.40	357.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	2,014.81	378.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,157.22	399.93
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,313.91	428.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,579.41	428.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	2,997.82	571.34
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,813.99	178.54
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,042.10	242.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,265.59	321.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,379.45	328.52
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,536.14	357.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,569.32	357.08
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,711.73	378.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,773.49	392.79
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,110.40	428.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,409.08	428.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,893.87	571.34
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,692.50	160.68
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,756.50	178.54
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,881.69	214.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,339.26	321.38
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,421.46	328.52
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,634.21	357.08
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,704.95	357.08
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,890.76	382.08
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,116.04	399.93
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,266.55	428.51
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,393.88	428.51
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,900.25	571.34

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,495.47	428.51
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,046.64	571.34
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,716.08	642.75
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,190.78	714.17
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,808.32	857.00
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,946.75	928.42
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,985.65	999.84
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,649.39	999.84
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,631.98	1,142.67
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,606.10	928.42
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,366.48	1,142.67
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,984.02	1,285.51
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,412.69	999.84
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	17,302.72	1,285.51

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,959.85	160.68
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,095.11	178.54
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,232.92	214.25
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,679.47	321.38
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,760.13	328.52
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,016.38	357.08
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,215.50	357.08
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,365.05	382.08
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,566.70	399.93
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,756.58	428.51
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,822.95	428.51
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,440.49	571.34
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,042.90	607.05
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,446.19	642.75
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,319.14	714.17
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,770.74	857.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0088		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	4,950.97	160.68
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,068.84	196.40
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,134.43	214.25
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,444.91	321.38
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,489.07	328.52
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,672.31	357.08
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,848.20	357.08
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,133.82	382.08
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,215.99	399.93
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,415.82	428.51
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,425.91	499.92
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,033.36	571.34
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,757.50	607.05
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,144.19	642.75
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,900.98	714.17
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,326.04	857.00
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,248.76	928.42
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,945.81	999.84
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,430.34	999.84
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	13,751.45	1,142.67
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,134.43	214.25
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,373.50	285.67
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,474.78	321.38
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,249.18	399.93
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,701.37	499.92
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,311.20	642.75
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,849.09	785.59
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,506.91	1,071.26
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,390.09	285.67
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,524.56	321.38
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,663.65	342.81
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,750.66	371.37
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,089.88	399.93
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,575.26	499.92
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,221.59	642.75
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,509.51	785.59
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,537.49	928.42
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,253.20	160.68
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,356.81	178.54
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,479.17	214.25
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,868.84	321.38
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,939.72	328.52
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,118.51	357.08
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,308.09	357.08
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,479.75	382.08
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,606.00	399.93
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,807.44	428.51
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,002.67	428.51
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,452.45	571.34
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,246.76	357.08
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,318.82	428.51
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,004.05	642.75
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,945.98	857.00
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,554.74	999.84
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,175.99	357.08
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,679.49	428.51
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,718.38	499.92
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,517.48	642.75
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	5,045.26	357.08
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,320.43	392.79
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,234.47	428.51
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,963.51	464.21
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	14,359.06	13,859.14
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,946.39	571.34
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	20,422.73	642.75
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	27,547.31	714.17
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	30,819.90	785.59
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	41,194.60	857.00
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	81.17	10.71
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	114.35	11.43
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	134.27	12.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0165		**Electric Powered Screen Accessories** *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	828.87	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,193.93	
11 52 13 13-0168		**Projection Screens, Frames, Masking And Hardware** *(11 52 13 13)*		
11 52 13 13-0169		**Projection Screens** *(11 52 13 13-0168)*		
		Note: Dimensions given in height x width.		
11 52 13 13-0170	EA	9' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2)	1,766.39	53.89
11 52 13 13-0171	EA	12' x 12' Matt White Manual Projection Screen With AutoReturn Roller (Draper Luma 2)	1,855.10	71.86
11 52 13 13-0172	EA	9' x 9' Matt White Motorized Projection Screen (Draper Targa)	1,857.05	48.02
11 52 13 13-0173	EA	9' x 12' Matt White Motorized Projection Screen (Draper Targa)	2,101.07	53.89
11 52 13 13-0174	EA	12' x 12' Matt White Motorized Projection Screen (Draper Targa)	3,295.99	71.86
11 52 13 13-0175	EA	12' x 16' Matt White Motorized Projection Screen (Draper Targa)	4,694.84	89.82
11 52 13 13-0176	EA	14' x 14' Matt White Motorized Projection Screen (Draper Targa)	4,095.85	80.84
11 52 13 13-0177	EA	16' x 16' Matt White Motorized Projection Screen (Draper Targa)	4,893.00	107.78
11 52 13 13-0178	EA	15' x 20' Matt White Motorized Projection Screen (Draper Paragon)	7,931.87	125.75
11 52 13 13-0179	EA	20' x 20' Matt White Motorized Projection Screen (Draper Paragon)	8,475.72	143.71
11 52 13 13-0180	EA	11' x 22' Matt White Motorized Projection Screen (Draper Paragon)	8,086.04	116.77
11 52 13 13-0181	EA	16'-6"' x 22' Matt White Motorized Projection Screen (Draper Paragon)	8,390.50	143.71
11 52 13 13-0182	EA	22' x 22' Matt White Motorized Projection Screen (Draper Paragon)	8,665.56	161.69
11 52 13 13-0183	EA	8'-6" To 16' Positioning Pole (ADC PP-1)	411.30	
11 52 13 13-0184		**Replacement Surface Only, Projection Screen Fabric** *(11 52 13 13-0168)*		
11 52 13 13-0185	EA	9' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	1,985.04	71.86
11 52 13 13-0186	EA	12' x 12' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	2,504.39	71.86
11 52 13 13-0187	EA	12' x 16' Matte White, Replacement Surface Only, Projection Screen Fabric (Draper)	3,196.85	71.86
11 52 13 13-0188		**Lace And Grommet Projection Screen Fabric** *(11 52 13 13-0168)*		
11 52 13 13-0189	SF	Lace And Grommet Matte White, Projection Screen Fabric (Draper)	19.66	1.56
11 52 13 13-0190	LF	Lace And Grommet Projection Screen Cord	2.07	
11 52 13 13-0191		**Wood Frame For Side Black Masking** *(11 52 13 13-0168)*		
11 52 13 13-0192	EA	Up To 13' x 17' Image Size, Side Black Masking Wood Frame And Fabric (4 Sides) Note: Includes 1" x 3" lumber, hardware, FP Commando Fabric and shop labor.	4,243.52	71.86
11 52 13 13-0193	EA	Up To 13' x 17' Image Size, Side Black Masking Fabric (4 Sides) Note: FP Commando Fabric installed on existing wood frame where wood frame is attached to existing steel frame.	1,437.62	35.93
11 52 13 13-0194		**Flown Type Projection Screen Frame** *(11 52 13 13-0168)*		
11 52 13 13-0195	EA	2" x 2" Steel Angle Flown Type Projection Screen Frame (4 Sides), Up To 13' x 17' Image Size Note: Includes assembly, hanging hardware and shop labor.	5,032.46	71.86
11 52 13 13-0196	EA	1-1/2" Inside Diameter Schedule 40 Aluminum Pipe Flown Type Projection Screen Frame (4 Sides) With Hollaender Speed Rail Fittings (Rated), Up To 13' x 17' Image Size Note: Includes assembly, hanging hardware and shop labor.	5,386.56	71.86
11 52 13 16		**Portable Projection Screens** *(11 52 13)*		
11 52 13 16-0001		**Projection Screen And Case** *(11 52 13 16)*		
11 52 13 16-0002	EA	9' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,269.39	239.53
11 52 13 16-0003	EA	12' x 12' Spring-Roller Operated Projection Screen (Draper Luma 2)	2,286.25	239.53
11 52 13 16-0004	EA	9' x 9' Non-Tensioned Electric Projection Screen (Draper Targa)	2,383.41	239.53
11 52 13 16-0005	EA	9' x 12' Non-Tensioned Electric Projection Screen (Draper Targa)	2,604.07	239.53
11 52 13 16-0006	EA	12' x 12' Non-Tensioned Electric Projection Screen (Draper Targa)	3,727.14	239.53
11 52 13 16-0007	EA	12' x 16' Non-Tensioned Electric Projection Screen (Draper Targa)	5,054.13	239.53
11 52 13 16-0008	EA	14' x 14' Non-Tensioned Electric Projection Screen (Draper Targa)	4,491.07	239.53
11 52 13 16-0009	EA	16' x 16' Non-Tensioned Electric Projection Screen (Draper Targa)	5,180.44	239.53
11 52 13 16-0010	EA	15' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,147.44	239.53
11 52 13 16-0011	EA	20' x 20' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,619.43	239.53
11 52 13 16-0012	EA	11' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,337.55	239.53
11 52 13 16-0013	EA	16'-6" x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,534.21	239.53
11 52 13 16-0014	EA	22' x 22' Non-Tensioned Electric Projection Screen (Draper Paragon)	8,737.42	239.53
11 52 13 16-0015	EA	Projection Screen Hanger Assembly Unit Note: Includes beam clamp, 1/4" cable tail, 8' long, 3/8" x 6" eye and jaw turnbuckle and #1715 pipe clamp (for 1-1/2" inside diameter pipe batten).	204.77	29.94
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		**Projectors** *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,453.91	71.41
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,683.35	71.41
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,224.17	71.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,502.46	71.41
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	4,076.06	71.41
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,174.08	71.41
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,222.32	71.41
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	11,139.46	71.41
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,531.24	71.41
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)*		
		Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	327.01	78.54
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	530.46	78.54
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)*		
		Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	119.77	35.70
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	161.53	35.70
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	223.33	35.70
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	277.66	35.70
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	406.16	35.70
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	892.92	35.70
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	70.35	10.70
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	90.95	10.70
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	98.68	10.70
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	103.83	10.70
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	123.84	14.28
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	149.59	14.28
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	190.80	14.28
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	219.12	14.28
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	257.18	17.85
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	293.23	17.85
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	326.13	21.42
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	341.58	21.42
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	143.86	17.85
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	221.12	17.85
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	226.27	17.85
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	234.00	17.85
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	254.02	21.42
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	266.89	21.42
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	295.22	21.42
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	320.97	21.42
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	356.43	24.99
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	382.19	24.99
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	417.66	28.55
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	435.69	28.55
11 52 33		**Interactive Displays** *(11 52)*		
11 52 33 00-0001		Television Monitors And Panels *(11 52 33)*		
		Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	734.01	19.18
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	805.51	21.58
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	1,095.13	23.98
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI	1,105.21	23.98
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI	1,251.77	26.37
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI	1,470.42	28.77
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI	1,833.24	31.17
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,193.65	31.17
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,556.47	33.57
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	3,099.50	35.97
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	4,903.98	38.37
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	2,254.85	28.77
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	3,147.69	31.17
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	4,263.15	33.57
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	4,488.16	35.97
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	6,714.26	35.97
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	20,463.98	38.37
11 52 33 00-0019		**Flat Panel Display Mounting** *(11 52 33)* Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays Note: 2.6" To 16.6" swing arm extension, 12-degrees tilt	416.26	113.00
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	658.30	141.25
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	671.90	169.50
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt	719.57	169.50
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays Note: 4.5" To 26.2" swing arm extension, 15-degrees tilt	719.57	169.50
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays Note: 8" Extension	392.48	113.00
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays Note: 9.7" Extension	544.12	141.25
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays Note: 10.2" Extension	957.44	169.50
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	1,387.68	197.75
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	496.55	141.25
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	591.70	141.25
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	695.15	169.50
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	401.40	141.25
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	472.76	141.25
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	561.59	169.50
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	674.49	225.99
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	808.06	225.99
		For 28" To 41" Extension Pole, Add	*46.54*	
		For 38" To 51" Extension Pole, Add	*59.26*	
		For 48" To 61" Extension Pole, Add	*67.74*	
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	854.70	225.99
11 52 33 00-0038	EA	32" To 50" Display, Flat Wall Monitor Mount (Peerless SFL646)	254.22	49.19
11 52 33 00-0039	EA	39" To 75" Display, Flat Wall Monitor Mount (Peerless SFL670)	335.68	49.19
11 52 33 00-0040	EA	60" To 95" Display, Flat Wall Monitor Mount (Peerless SF680)	729.57	49.19
11 52 33 00-0041	EA	32" To 50" Display, Tilting Wall Monitor Mount (Peerless STL646)	322.55	49.19
11 52 33 00-0042	EA	39" To 75" Display, Tilting Wall Monitor Mount (Peerless STL670)	383.82	49.19
11 52 33 00-0043	EA	32" To 50" Display, Articulating Wall Monitor Mount (Peerless SA746PU)	831.72	49.19
11 52 33 00-0044	EA	50" To 80" Display, Articulating Wall Monitor Mount (Peerless SA763PU)	1,521.04	49.19
11 52 33 00-0045	EA	32" To 65" Display, Flat Panel Ceiling Mount With 33" Extension Column (Peerless PLCM-UN1)	1,132.06	49.19
11 52 33 00-0046	EA	Suspended Ceiling Attachment Plate For TV Ceiling Mount (Peerless CMJ450)	423.18	22.34
11 52 33 00-0047	EA	Structural Concrete Ceiling Attachment Plate For TV Ceiling Mount (Peerless CMJ470)	239.37	22.34
11 52 33 00-0048		**Audio/Video Components** *(11 52 33)*		
11 52 33 00-0049	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,673.31	84.75
11 52 33 00-0050	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,280.36	84.75
11 52 33 00-0051	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	511.78	28.25
11 52 33 00-0052	EA	MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	594.56	28.25
11 52 33 00-0053	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamplifier Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,419.63	113.00
11 52 33 00-0054	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,695.56	113.00
11 52 33 00-0055	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,695.56	113.00
11 52 33 00-0056	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	168.59	14.13
11 52 33 00-0057	EA	DVD/VCR Combo (Toshiba #SD V296)	173.05	
11 52 33 00-0058	EA	DVD/VCR Combo (Toshiba #SD V392)	175.43	
11 52 33 00-0059	EA	DVDr/VCR Combo (Toshiba #DVR620)	322.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0060	EA	DVDr/VCR Combo (Toshiba #DVR670)	444.22	
11 52 33 00-0061	EA	2.5 GHz, SSD 64 GB, Quad Core Setback Box Media Player (Samsung SBB-DA)	2,467.72	11.30
11 52 33 00-0062	EA	2.7 GHz, SSD 64 GB, Dual Core Setback Box Media Player (Samsung SBB-DI)	3,378.56	28.25

11 52 33 00-0063 Audio/Video Cabling *(11 52 33)*

11 52 33 00-0064	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	44.21	
11 52 33 00-0065	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	64.90	
11 52 33 00-0066	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	97.09	
11 52 33 00-0067	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	202.25	
11 52 33 00-0068	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	285.03	
11 52 33 00-0069	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	391.33	
11 52 33 00-0070	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	536.19	
11 52 33 00-0071	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	660.36	
11 52 33 00-0072	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	787.35	
11 52 33 00-0073	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	870.13	
11 52 33 00-0074	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	1,038.52	
11 52 33 00-0075	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,248.28	
11 52 33 00-0076	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	44.21	
11 52 33 00-0077	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	64.90	
11 52 33 00-0078	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	97.09	
11 52 33 00-0079	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	202.25	
11 52 33 00-0080	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	285.03	
11 52 33 00-0081	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	391.32	
11 52 33 00-0082	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	536.18	
11 52 33 00-0083	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	660.35	
11 52 33 00-0084	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	787.35	
11 52 33 00-0085	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	870.13	
11 52 33 00-0086	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	1,038.52	
11 52 33 00-0087	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,248.28	
11 52 33 00-0088	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	19.38	
11 52 33 00-0089	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	30.48	
11 52 33 00-0090	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	23.51	
11 52 33 00-0091	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	25.58	
11 52 33 00-0092	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	35.00	
11 52 33 00-0093	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	41.21	
11 52 33 00-0094	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	65.66	
11 52 33 00-0095	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	92.57	
11 52 33 00-0096	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	122.30	
11 52 33 00-0097	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	163.69	
11 52 33 00-0098	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	205.08	
11 52 33 00-0099	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	33.86	
11 52 33 00-0100	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	35.93	
11 52 33 00-0101	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	45.35	
11 52 33 00-0102	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	55.70	
11 52 33 00-0103	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	78.08	
11 52 33 00-0104	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	104.98	
11 52 33 00-0105	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	143.00	
11 52 33 00-0106	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	184.38	
11 52 33 00-0107	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	236.12	
11 52 33 00-0108	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	6.96	
11 52 33 00-0109	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	9.03	
11 52 33 00-0110	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	11.10	
11 52 33 00-0111	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	15.24	

11 52 33 00-0112 Digital Displays *(11 52 33)*

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.

11 52 33 00-0113	EA	32" HD Direct-Lit LED Display, 1366x768, 330 Nits Brightness (Samsung ED-D) Note: Includes HDMI, VGA, DVI and component input.	935.19	23.98
11 52 33 00-0114	EA	40" HD Direct-Lit LED Display, 1920x1080, 350 Nits Brightness (Samsung ED-D) Note: Includes HDMI, VGA, DVI and component input.	1,346.09	26.37
11 52 33 00-0115	EA	46" HD Direct-Lit LED Display, 1920x1080, 350 Nits Brightness (Samsung ED-D) Note: Includes HDMI, VGA, DVI and component input.	2,450.44	28.77
11 52 33 00-0116	EA	55" HD Direct-Lit LED Display, 1920x1080, 350 Nits Brightness (Samsung ED-D) Note: Includes HDMI, VGA, DVI and component input.	3,452.58	31.17
11 52 33 00-0117	EA	65" HD Direct-Lit LED Display, 1920x1080, 400 Nits Brightness (Samsung ED-D) Note: Includes HDMI, VGA, DVI and component input.	6,765.78	33.57
11 52 33 00-0118	EA	75" HD Direct-Lit LED Display, 1920x1080, 320 Nits Brightness (Samsung ED-D) Note: Includes HDMI, VGA, DVI and component input.	10,769.51	38.37

11 52 33 00-0119 Flat Screen Displays *(11 52 33)*

11 52 33 00-0120	EA	32" Edge-Lit LED Display (Samsung ME32C)	1,474.31	28.20
11 52 33 00-0121	EA	46" Edge-Lit LED Display (Samsung ME46C)	2,531.71	33.84
11 52 33 00-0122	EA	55" Edge-Lit LED Display (Samsung ME55C)	4,091.21	39.48
11 52 33 00-0123	EA	60" Edge-Lit LED Display (Sharp PN-E602)	7,216.27	42.30

11 53 Laboratory Equipment *(11 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13		**Laboratory Fume Hoods** *(11 53)*		
11 53 13 11		**General Laboratory Fume Hoods** *(11 53 13)*		
11 53 13 11-0001		Fume Hoods (Kewaunee Scientific) *(11 53 13 11)*		
11 53 13 11-0002		General Purpose Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H05) *(11 53 13 11-0001)*		
11 53 13 11-0003	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5448-00) Note: Includes material and installation	10,485.91	
11 53 13 11-0004	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5448-00) Note: Includes material and installation	11,149.26	
11 53 13 11-0005	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5448-00) Note: Includes material and installation	14,307.39	
11 53 13 11-0006	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5448-00) Note: Includes material and installation	9,886.42	
11 53 13 11-0007	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5460-00) Note: Includes material and installation	11,326.43	
11 53 13 11-0008	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5460-00) Note: Includes material and installation	11,989.78	
11 53 13 11-0009	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5460-00) Note: Includes material and installation	15,172.64	
11 53 13 11-0010	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5460-00) Note: Includes material and installation	10,529.17	
11 53 13 11-0011	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5472-00) Note: Includes material and installation	10,912.35	
11 53 13 11-0012	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5472-00) Note: Includes material and installation	12,873.56	
11 53 13 11-0013	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5472-00) Note: Includes material and installation	15,914.27	
11 53 13 11-0014	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5472-00) Note: Includes material and installation	11,544.80	
11 53 13 11-0015	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H05G5496-00) Note: Includes material and installation	14,861.56	
11 53 13 11-0016	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H05K5496-00) Note: Includes material and installation	17,479.95	
11 53 13 11-0017	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H05S5496-00) Note: Includes material and installation	20,568.04	
11 53 13 11-0018	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H05T5496-00) Note: Includes material and installation	13,699.66	
11 53 13 11-0019	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5448B00) Note: Includes material and installation	10,648.66	
11 53 13 11-0020	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5448B00) Note: Includes material and installation	11,314.07	
11 53 13 11-0021	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5448B00) Note: Includes material and installation	14,476.32	
11 53 13 11-0022	EA	4' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5448B00) Note: Includes material and installation	10,057.41	
11 53 13 11-0023	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5460B00) Note: Includes material and installation	11,513.90	
11 53 13 11-0024	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5460B00) Note: Includes material and installation	12,181.37	
11 53 13 11-0025	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5460B00) Note: Includes material and installation	15,355.99	
11 53 13 11-0026	EA	5' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5460B00) Note: Includes material and installation	10,714.58	
11 53 13 11-0027	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5472B00) Note: Includes material and installation	12,410.04	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0028	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5472B00) Note: Includes material and installation	13,069.27	
11 53 13 11-0029	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5472B00) Note: Includes material and installation	16,109.98	
11 53 13 11-0030	EA	6' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5472B00) Note: Includes material and installation	11,746.69	
11 53 13 11-0031	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H05G5496B00) Note: Includes material and installation	15,079.93	
11 53 13 11-0032	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H05K5496B00) Note: Includes material and installation	17,681.84	
11 53 13 11-0033	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H05S5496B00) Note: Includes material and installation	20,788.47	
11 53 13 11-0034	EA	8' Wide, General Purpose Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H05T5496B00) Note: Includes material and installation	13,918.04	

11 53 13 11-0035 Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific H07) *(11 53 13 11-0001)*

11 53 13 11-0036	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5448B00) Note: Includes material and installation	12,030.98	
11 53 13 11-0037	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5448B00) Note: Includes material and installation	12,692.28	
11 53 13 11-0038	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5448B00) Note: Includes material and installation	15,856.59	
11 53 13 11-0039	EA	4' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5448B00) Note: Includes material and installation	11,435.62	
11 53 13 11-0040	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5460B00) Note: Includes material and installation	13,203.18	
11 53 13 11-0041	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5460B00) Note: Includes material and installation	13,870.65	
11 53 13 11-0042	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5460B00) Note: Includes material and installation	17,051.45	
11 53 13 11-0043	EA	5' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5460B00) Note: Includes material and installation	12,410.04	
11 53 13 11-0044	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5472B00) Note: Includes material and installation	14,198.21	
11 53 13 11-0045	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5472B00) Note: Includes material and installation	14,861.56	
11 53 13 11-0046	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5472B00) Note: Includes material and installation	17,902.27	
11 53 13 11-0047	EA	6' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5472B00) Note: Includes material and installation	13,532.80	
11 53 13 11-0048	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H07G5496B00) Note: Includes material and installation	17,405.78	
11 53 13 11-0049	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H07K5496B00) Note: Includes material and installation	18,062.96	
11 53 13 11-0050	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H07S5496B00) Note: Includes material and installation	23,108.14	
11 53 13 11-0051	EA	8' Wide, Combination Sash Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H07T5496B00) Note: Includes material and installation	16,250.07	

11 53 13 11-0052 ADA Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H08) *(11 53 13 11-0001)*

11 53 13 11-0053	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5448-00) Note: Includes material and installation	10,586.85	
11 53 13 11-0054	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5448-00) Note: Includes material and installation	11,262.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0055	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5448-00) Note: Includes material and installation	14,196.15	
11 53 13 11-0056	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5448-00) Note: Includes material and installation	9,985.30	
11 53 13 11-0057	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5460-00) Note: Includes material and installation	11,425.31	
11 53 13 11-0058	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5460-00) Note: Includes material and installation	12,000.08	
11 53 13 11-0059	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5460-00) Note: Includes material and installation	15,154.10	
11 53 13 11-0060	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5460-00) Note: Includes material and installation	10,630.12	
11 53 13 11-0061	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H08G5472-00) Note: Includes material and installation	12,311.16	
11 53 13 11-0062	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H08K5472-00) Note: Includes material and installation	13,170.22	
11 53 13 11-0063	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H08S5472-00) Note: Includes material and installation	16,678.57	
11 53 13 11-0064	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H08T5472-00) Note: Includes material and installation	11,645.75	
11 53 13 11-0065	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5448B00) Note: Includes material and installation	10,749.60	
11 53 13 11-0066	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5448B00) Note: Includes material and installation	11,456.22	
11 53 13 11-0067	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5448B00) Note: Includes material and installation	14,449.54	
11 53 13 11-0068	EA	4' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5448B00) Note: Includes material and installation	10,156.29	
11 53 13 11-0069	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5460B00) Note: Includes material and installation	11,616.90	
11 53 13 11-0070	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5460B00) Note: Includes material and installation	12,208.15	
11 53 13 11-0071	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5460B00) Note: Includes material and installation	15,428.09	
11 53 13 11-0072	EA	5' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5460B00) Note: Includes material and installation	10,811.40	
11 53 13 11-0073	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H08G5472B00) Note: Includes material and installation	12,510.99	
11 53 13 11-0074	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H08K5472B00) Note: Includes material and installation	13,398.89	
11 53 13 11-0075	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H08S5472B00) Note: Includes material and installation	16,977.28	
11 53 13 11-0076	EA	6' Wide, ADA Bench Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H08T5472B00) Note: Includes material and installation	11,845.58	

11 53 13 11-0077 ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash (Kewaunee Scientific H09) *(11 53 13 11-0001)*

11 53 13 11-0078	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5448B00) Note: Includes material and installation	14,428.94	
11 53 13 11-0079	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5448B00) Note: Includes material and installation	15,687.66	
11 53 13 11-0080	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5448B00) Note: Includes material and installation	19,947.95	
11 53 13 11-0081	EA	4' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5448B00) Note: Includes material and installation	13,833.57	
11 53 13 11-0082	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5460B00) Note: Includes material and installation	15,599.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0083	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5460B00) Note: Includes material and installation	16,800.12	
11 53 13 11-0084	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5460B00) Note: Includes material and installation	21,396.20	
11 53 13 11-0085	EA	5' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5460B00) Note: Includes material and installation	14,803.88	
11 53 13 11-0086	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H09G5472B00) Note: Includes material and installation	16,594.11	
11 53 13 11-0087	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H09K5472B00) Note: Includes material and installation	18,097.98	
11 53 13 11-0088	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H09S5472B00) Note: Includes material and installation	23,085.48	
11 53 13 11-0089	EA	6' Wide, ADA Bench Fume Hood With Combination Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H09T5472B00) Note: Includes material and installation	15,932.81	
11 53 13 11-0090		Isotope Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H20) *(11 53 13 11-0001)*		
11 53 13 11-0091	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5448-00) Note: Includes material and installation	21,758.78	
11 53 13 11-0092	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5460-00) Note: Includes material and installation	24,150.55	
11 53 13 11-0093	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5472-00) Note: Includes material and installation	25,479.32	
11 53 13 11-0094	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H20S5496-00) Note: Includes material and installation	34,453.11	
11 53 13 11-0095	EA	4' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5448B00) Note: Includes material and installation	21,942.13	
11 53 13 11-0096	EA	5' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5460B00) Note: Includes material and installation	24,333.90	
11 53 13 11-0097	EA	6' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5472B00) Note: Includes material and installation	25,675.03	
11 53 13 11-0098	EA	8' Wide, Isotope Bench Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H20S5496B00) Note: Includes material and installation	34,673.54	
11 53 13 11-0099		Perchloric Acid Bench Fume Hood With Vertical Rising Sash (Kewaunee Scientific H25) *(11 53 13 11-0001)*		
11 53 13 11-0100	EA	4' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5448-00) Note: Includes material and installation	28,744.58	
11 53 13 11-0101	EA	5' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5460-00) Note: Includes material and installation	28,843.46	
11 53 13 11-0102	EA	6' Wide, Perchloric Acid Bench Fume Hood With Vertical Rising Sash, Type 316 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H25L5472-00) Note: Includes material and installation	31,999.53	
11 53 13 11-0103		HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash (Kewaunee Scientific HOPEC) *(11 53 13 11-0001)*		
11 53 13 11-0104	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5448B00) Note: Includes material and installation	14,913.06	
11 53 13 11-0105	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5448B00) Note: Includes material and installation	15,578.48	
11 53 13 11-0106	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5448B00) Note: Includes material and installation	18,738.67	
11 53 13 11-0107	EA	4' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5448B00) Note: Includes material and installation	14,313.57	
11 53 13 11-0108	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5460B00) Note: Includes material and installation	16,256.25	
11 53 13 11-0109	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5460B00) Note: Includes material and installation	16,921.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0110	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5460B00) Note: Includes material and installation	20,100.40	
11 53 13 11-0111	EA	5' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5460B00) Note: Includes material and installation	15,461.05	
11 53 13 11-0112	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5472B00) Note: Includes material and installation	17,366.64	
11 53 13 11-0113	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5472B00) Note: Includes material and installation	18,025.88	
11 53 13 11-0114	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5472B00) Note: Includes material and installation	21,070.70	
11 53 13 11-0115	EA	6' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5472B00) Note: Includes material and installation	16,699.17	
11 53 13 11-0116	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific HOPG5496B00) Note: Includes material and installation	22,619.90	
11 53 13 11-0117	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPK5496B00) Note: Includes material and installation	23,283.25	
11 53 13 11-0118	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific HOPS5496B00) Note: Includes material and installation	28,324.31	
11 53 13 11-0119	EA	8' Wide, HOPEC Style Bench Fume Hood With Vertical Rising/Horizontal Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific HOPT5496B00) Note: Includes material and installation	21,460.06	
11 53 13 11-0120		General Purpose Walk-In Fume Hood With Vertical Rising Sash (Kewaunee Scientific H30) *(11 53 13 11-0001)*		
11 53 13 11-0121	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9048-00) Note: Includes material and installation	21,909.16	
11 53 13 11-0122	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9048-00) Note: Includes material and installation	22,564.28	
11 53 13 11-0123	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9048-00) Note: Includes material and installation	28,075.04	
11 53 13 11-0124	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9048-00) Note: Includes material and installation	20,582.46	
11 53 13 11-0125	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9060-00) Note: Includes material and installation	23,347.11	
11 53 13 11-0126	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9060-00) Note: Includes material and installation	24,010.47	
11 53 13 11-0127	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9060-00) Note: Includes material and installation	31,173.43	
11 53 13 11-0128	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9060-00) Note: Includes material and installation	21,830.88	
11 53 13 11-0129	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9072-00) Note: Includes material and installation	24,774.76	
11 53 13 11-0130	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9072-00) Note: Includes material and installation	25,431.93	
11 53 13 11-0131	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9072-00) Note: Includes material and installation	33,404.52	
11 53 13 11-0132	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9072-00) Note: Includes material and installation	24,173.21	
11 53 13 11-0133	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Open By-Pass (Kewaunee Scientific H30G9096-00) Note: Includes material and installation	31,626.66	
11 53 13 11-0134	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Open By-Pass (Kewaunee Scientific H30K9096-00) Note: Includes material and installation	32,294.13	
11 53 13 11-0135	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Open By-Pass (Kewaunee Scientific H30S9096-00) Note: Includes material and installation	43,307.42	
11 53 13 11-0136	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Open By-Pass (Kewaunee Scientific H30T9096-00) Note: Includes material and installation	30,058.92	
11 53 13 11-0137	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9048B00) Note: Includes material and installation	22,078.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0138	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9048B00) Note: Includes material and installation	22,729.08	
11 53 13 11-0139	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9048B00) Note: Includes material and installation	28,243.97	
11 53 13 11-0140	EA	4' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9048B00) Note: Includes material and installation	20,749.33	
11 53 13 11-0141	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9060B00) Note: Includes material and installation	23,534.58	
11 53 13 11-0142	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9060B00) Note: Includes material and installation	24,195.87	
11 53 13 11-0143	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9060B00) Note: Includes material and installation	31,362.96	
11 53 13 11-0144	EA	5' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9060B00) Note: Includes material and installation	22,020.41	
11 53 13 11-0145	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9072B00) Note: Includes material and installation	24,972.53	
11 53 13 11-0146	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9072B00) Note: Includes material and installation	25,631.76	
11 53 13 11-0147	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9072B00) Note: Includes material and installation	33,604.35	
11 53 13 11-0148	EA	6' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9072B00) Note: Includes material and installation	24,375.10	
11 53 13 11-0149	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Fiberglass Reinforced Polyester Liner, Restricted By-Pass (Kewaunee Scientific H30G9096B00) Note: Includes material and installation	31,838.85	
11 53 13 11-0150	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Modified Epoxy Resin Liner, Restricted By-Pass (Kewaunee Scientific H30K9096B00) Note: Includes material and installation	32,508.38	
11 53 13 11-0151	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Type 304 Stainless Steel Liner, Restricted By-Pass (Kewaunee Scientific H30S9096B00) Note: Includes material and installation	43,519.61	
11 53 13 11-0152	EA	8' Wide, General Purpose Walk-In Fume Hood With Vertical Rising Sash, Phenolic Resin Liner, Restricted By-Pass (Kewaunee Scientific H30T9096B00) Note: Includes material and installation	30,275.23	
11 53 13 11-0153		**Stand-Alone, TruView® Teaching Hoods (Kewaunee Scientific T90)** *(11 53 13 11-0001)*		
11 53 13 11-0154	EA	4' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3048-SA) Note: Includes material and installation	17,859.01	
11 53 13 11-0155	EA	5' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3060-SA) Note: Includes material and installation	20,357.91	
11 53 13 11-0156	EA	6' Wide, Stand-Alone, Single Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M3072-SA) Note: Includes material and installation	22,063.67	
11 53 13 11-0157	EA	4' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6048-SA) Note: Includes material and installation	31,521.59	
11 53 13 11-0158	EA	5' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6060-SA) Note: Includes material and installation	36,097.07	
11 53 13 11-0159	EA	6' Wide, Stand-Alone, Double Sided Hood Structure, TruView® Teaching Hoods (Kewaunee Scientific T90M6072-SA) Note: Includes material and installation	38,400.26	
11 53 13 11-0160		**Options For Fume Hoods (Kewaunee Scientific)** *(11 53 13 11-0001)*		
11 53 13 11-0161	EA	Single Point Adjustable Baffles (Kewaunee Scientific Option C) Note: Includes material and installation	475.88	
11 53 13 11-0162	EA	Fire Extinguisher (Kewaunee Scientific Option E) Note: Includes material and installation	2,060.10	
11 53 13 11-0163	EA	Stainless Steel Lower Deflector Vane (Kewaunee Scientific Option O) Note: Includes material and installation	341.98	
11 53 13 11-0164	EA	4' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-48B) Note: Includes material and installation	1,402.93	
11 53 13 11-0165	EA	5' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-60B) Note: Includes material and installation	1,639.84	
11 53 13 11-0166	EA	6' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-72B) Note: Includes material and installation	1,891.17	
11 53 13 11-0167	EA	8' Wide, Black Epoxy Resin Worksurface (Kewaunee Scientific 019243-96B) Note: Includes material and installation	2,447.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0168	EA	4' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-48B) Note: Includes material and installation	1,402.93	
11 53 13 11-0169	EA	5' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-60B) Note: Includes material and installation	1,639.84	
11 53 13 11-0170	EA	6' Wide, Black Epoxy Resin Worksurface For ADA Fume Hood (Kewaunee Scientific 020126-72B) Note: Includes material and installation	1,891.17	
11 53 13 11-0171	EA	4' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-48B) Note: Includes material and installation	1,402.93	
11 53 13 11-0172	EA	5' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-60B) Note: Includes material and installation	1,639.84	
11 53 13 11-0173	EA	6' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-72B) Note: Includes material and installation	1,891.17	
11 53 13 11-0174	EA	8' Wide, Black Epoxy Resin Worksurface For HOPEC Fume Hood (Kewaunee Scientific 020128-96B) Note: Includes material and installation	2,447.40	
11 53 13 11-0175	EA	4' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-48B) Note: Includes material and installation	1,464.73	
11 53 13 11-0176	EA	5' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-60B) Note: Includes material and installation	1,711.94	
11 53 13 11-0177	EA	6' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-72B) Note: Includes material and installation	1,979.76	
11 53 13 11-0178	EA	8' Wide, Black Epoxy Resin Worksurface For Walk-In Fume Hood (Kewaunee Scientific 019250-96B) Note: Includes material and installation	2,562.76	
11 53 13 11-0179	EA	Black Poly Cupsink (Kewaunee Scientific 0491-BP) Note: Includes material and installation	183.35	
11 53 13 11-0180	EA	Stainless Steel Cupsink (Kewaunee Scientific 0950-0F) Note: Includes material and installation	1,724.30	
11 53 13 11-0181	EA	Air Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3A-I) Note: Includes material and installation	657.17	
11 53 13 11-0182	EA	Gas Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3G-I) Note: Includes material and installation	657.17	
11 53 13 11-0183	EA	Vacuum Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0860-3V-I) Note: Includes material and installation	657.17	
11 53 13 11-0184	EA	Steam Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3S-I) Note: Includes material and installation	733.40	
11 53 13 11-0185	EA	Cold Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3W-I) Note: Includes material and installation	733.40	
11 53 13 11-0186	EA	Distilled Water Service Fitting, Panel Flange With Angle Serrated Hose Connector (Kewaunee Scientific W-0861-3D-I) Note: Includes material and installation	1,087.73	
11 53 13 11-0187	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0864-3WV-I) Note: Includes material and installation	1,112.45	
11 53 13 11-0188	EA	Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0864-3WVA-I) Note: Includes material and installation	1,141.30	
11 53 13 11-0189	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 27-3/4" Long Handle (Kewaunee Scientific W-0868-3WV-I) Note: Includes material and installation	1,771.69	
11 53 13 11-0190	EA	Hot And Cold Water Service Fitting, Gooseneck With Vacuum Breaker, 12-1/2" Long Handle (Kewaunee Scientific W-0868-3WVA-I) Note: Includes material and installation	1,839.67	

11 53 13 11-0191 Base Cabinets For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*

11 53 13 11-0192	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3724-0) Note: Includes material and installation	1,289.62	
11 53 13 11-0193	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3730-0) Note: Includes material and installation	1,571.86	
11 53 13 11-0194	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3736-0) Note: Includes material and installation	1,654.26	
11 53 13 11-0195	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3748-0) Note: Includes material and installation	1,707.82	
11 53 13 11-0196	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G08M3760-0) Note: Includes material and installation	1,864.39	
11 53 13 11-0197	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3624-0) Note: Includes material and installation	1,289.62	
11 53 13 11-0198	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3630-0) Note: Includes material and installation	1,571.86	
11 53 13 11-0199	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3636-0) Note: Includes material and installation	1,666.62	
11 53 13 11-0200	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3648-0) Note: Includes material and installation	1,707.82	
11 53 13 11-0201	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Fume Hood Wood Base Cabinet (Kewaunee Scientific G08H3660-0) Note: Includes material and installation	1,864.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0202	EA	15" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3115-0) Note: Includes material and installation	1,297.86	
11 53 13 11-0203	EA	18" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3118-0) Note: Includes material and installation	1,374.09	
11 53 13 11-0204	EA	21" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3121-0) Note: Includes material and installation	1,433.83	
11 53 13 11-0205	EA	24" Long x 30" High x 22" Deep, Single Door, Fume Hood Steel Base Cabinet (Kewaunee Scientific G00M3124-0) Note: Includes material and installation	1,452.37	
11 53 13 11-0206	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3724-01) Note: Includes material and installation	3,139.59	
11 53 13 11-0207	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3730-01) Note: Includes material and installation	4,149.04	
11 53 13 11-0208	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3736-01) Note: Includes material and installation	4,336.51	
11 53 13 11-0209	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Solvent Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G68M3748-01) Note: Includes material and installation	4,954.54	
11 53 13 11-0210	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3724-0) Note: Includes material and installation	2,482.42	
11 53 13 11-0211	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3730-0) Note: Includes material and installation	2,884.14	
11 53 13 11-0212	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3736-0) Note: Includes material and installation	2,933.58	
11 53 13 11-0213	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3748-0) Note: Includes material and installation	3,106.63	
11 53 13 11-0214	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Steel Base Cabinet (Kewaunee Scientific G80M3760-0) Note: Includes material and installation	3,403.29	
11 53 13 11-0215	EA	24" Long x 35-3/4" High x 22" Deep, Single Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3724-0) Note: Includes material and installation	2,235.21	
11 53 13 11-0216	EA	30" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3730-0) Note: Includes material and installation	2,529.80	
11 53 13 11-0217	EA	36" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3736-0) Note: Includes material and installation	2,630.75	
11 53 13 11-0218	EA	48" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3748-0) Note: Includes material and installation	2,797.62	
11 53 13 11-0219	EA	60" Long x 35-3/4" High x 22" Deep, Double Door, Acid Storage Fume Hood Wood Base Cabinet (Kewaunee Scientific G80H3760-0) Note: Includes material and installation	3,013.93	

11 53 13 11-0220 Filters And Housing For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*

11 53 13 11-0221	EA	Painted CRS Filter Housing (Kewaunee Scientific X-016869) Note: Includes material and installation	2,035.38	
11 53 13 11-0222	EA	Stainless Steel Filter Housing (Kewaunee Scientific X-016868) Note: Includes material and installation	23,750.89	
11 53 13 11-0223	EA	High Efficiency Filter (Kewaunee Scientific 0864-00) Note: Includes material and installation	2,035.38	
11 53 13 11-0224	EA	Charcoal Absorber (Kewaunee Scientific 0855-00) Note: Includes material and installation	23,750.89	
11 53 13 11-0225	EA	Prefilter (Kewaunee Scientific 0863-00) Note: Includes material and installation	152.45	

11 53 13 11-0226 Centrifugal Fans For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*

11 53 13 11-0227	EA	1/4 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0902-T1) Note: Includes material and installation	5,494.29	
11 53 13 11-0228	EA	1/3 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0903-T1) Note: Includes material and installation	5,646.73	
11 53 13 11-0229	EA	1/2 HP, Single-Phase, 9" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-0905-T1) Note: Includes material and installation	5,722.96	
11 53 13 11-0230	EA	3/4 HP, Single-Phase, 10" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1008-T1) Note: Includes material and installation	6,327.60	
11 53 13 11-0231	EA	1 HP, Single-Phase, 13" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1310-T1) Note: Includes material and installation	6,932.24	
11 53 13 11-0232	EA	1-1/2 HP, Single-Phase, 14-1/2" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1415-T1) Note: Includes material and installation	9,941.01	
11 53 13 11-0233	EA	2 HP, Single-Phase, 16-1/8" Outlet, Centrifugal Fume Hood Fan (Kewaunee Scientific HFS-1620-T1) Note: Includes material and installation	12,949.79	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 13 11-0234		Exhaust Stacks And Adapters For Fume Hoods (Kewaunee Scientific) *(11 53 13 11-0001)*		
11 53 13 11-0235	EA	6-9/16" Diameter x 99-1/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	914.68	
11 53 13 11-0236	EA	8-1/16" Diameter x 97-7/8" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,003.27	
11 53 13 11-0237	EA	9-11/16" Diameter x 92-1/2" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,021.81	
11 53 13 11-0238	EA	10-13/16" Diameter x 91-1/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,124.81	
11 53 13 11-0239	EA	11-11/16" Diameter x 90-3/4" Long, Cold Rolled Steel Stackhead (Kewaunee Scientific HES-0909-00) Note: Includes material and installation	1,238.20	
11 53 13 11-0240	EA	6-9/16" Diameter x 10-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-0912-00) Note: Includes material and installation	1,310.22	
11 53 13 11-0241	EA	8-1/16" Diameter x 11-13/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1012-00) Note: Includes material and installation	1,425.59	
11 53 13 11-0242	EA	9-11/16" Diameter x 13-5/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1312-00) Note: Includes material and installation	1,563.62	
11 53 13 11-0243	EA	10-13/16" Diameter x 14-11/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1412-00) Note: Includes material and installation	1,641.90	
11 53 13 11-0244	EA	11-11/16" Diameter x 16-15/16" Diameter Outlet Adapter (Kewaunee Scientific HOA-1612-00) Note: Includes material and installation	1,672.80	
11 53 13 11-0245	EA	11-15/16" Diameter x 9-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1209-00) Note: Includes material and installation	1,015.63	
11 53 13 11-0246	EA	11-15/16" Diameter x 10-1/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1210-00) Note: Includes material and installation	1,048.59	
11 53 13 11-0247	EA	11-15/16" Diameter x 13-5/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1213-00) Note: Includes material and installation	1,069.19	
11 53 13 11-0248	EA	11-15/16" Diameter x 14-9/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1214-00) Note: Includes material and installation	1,112.45	
11 53 13 11-0249	EA	11-15/16" Diameter x 16-3/16" Diameter Inlet Adapter (Kewaunee Scientific HIA-1216-00) Note: Includes material and installation	1,205.16	
11 53 13 11-0250		Biological Fume Hoods And Cabinets *(11 53 13 11)* Note: VWR scientific or approved equal. VWR model number listed for reference. Equipment set in place and final connections. Excludes piping, ductwork and electrical rough-ins. Other accepted manufactures: NuAire, Forma and Baker or equal.		
11 53 13 11-0251		Purifier® Logic® Class II, Type A2 Biosafety Cabinets (VWR 9700) *(11 53 13 11-0250)* Note: Includes two high efficiency particulate air (HEPA) filters, fluorescent lighting, UV lamp, 8" or 10" sash, LCD information center and service fixtures. Excludes base stand.		
11 53 13 11-0252	EA	3' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	18,997.86	920.30
11 53 13 11-0253	EA	4' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	21,201.28	920.30
11 53 13 11-0254	EA	5' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	25,167.05	1,042.90
11 53 13 11-0255	EA	6' Width, Purifier® Logic® Class II, Type A2 Biosafety Cabinet (VWR 9700)	26,624.45	1,042.90
11 53 13 11-0256		Base Stands For Purifier® Logic® Biosafety Cabinets (VWR) *(11 53 13 11-0250)* Note: ADA compliant. Includes epoxy coating.		
11 53 13 11-0257	EA	3' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,607.07	134.99
11 53 13 11-0258	EA	4' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,751.74	171.82
11 53 13 11-0259	EA	5' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	1,857.34	208.63
11 53 13 11-0260	EA	6' Width, Base Stand For Purifier® Logic® Biosafety Cabinet (VWR)	2,054.29	245.45
11 53 43		**Service Fittings and Accessories** *(11 53)*		
11 53 43 00-0001		Laboratory Equipment Accessories *(11 53 43)*		
11 53 43 00-0002	EA	24" Wide Roll Paper Dispenser, Wall Mounted	227.69	49.97
11 53 43 00-0003	EA	36" Wide Roll Paper Dispenser, Wall Mounted	265.28	57.12
11 53 43 00-0004	EA	48" Wide Roll Paper Dispenser, Wall Mounted	332.36	64.25
11 53 43 00-0005		Install Owner Furnished Material *(11 53 43)*		
11 53 43 00-0006	LF	Install Owner Furnished Steel Base Cabinet	158.54	
11 53 43 00-0007	LF	Install Owner Furnished Steel Wall Cabinet	190.39	
11 53 43 00-0008	LF	Install Owner Furnished Wood Base Cabinet	134.26	
11 53 43 00-0009	LF	Install Owner Furnished Wood Wall Cabinet	161.40	
11 53 43 00-0010	LF	Install Owner Furnished Plastic Base Cabinet	110.98	
11 53 43 00-0011	LF	Install Owner Furnished Plastic Wall Cabinet	132.98	
11 53 43 00-0012		Casework Per Pathology Lab Standards And Requirments *(11 53 43)* Note: Inlcudes material, delivery, engineering, assembly and installation. Excludes mechanical or electrical connections.		
11 53 43 00-0013	EA	Casework Per Pathology Lab Standards And Requirments (Thermo Scientific Hamiltion Max/Lab) Note: Includes: 10 ea. MC-2A 6-ft Mobile Instrument Carts; 2 ea. MC-2B 6-ft Mobile Instrument Carts; 1 ea. MC-4A 6-ft Mobile Instrument Cart; 2 ea. LT-4A 6-ft Lab Table; 1 ea. ADA Sink assembly including casework, T304 stainless steel counter top, ADA combination depth sink and panel mounted H/CW faucet with wrist blades.	84,805.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 53 43 00-0014		Outlet And Valves *(11 53 43)*		
11 53 43 00-0015	EA	Medical Outlet Conversion Kit (Air, Oxygen, And Vacuum)	1,122.35	
11 53 43 00-0016		Test And Certify *(11 53 43)*		
11 53 43 00-0017	EA	Test And Certify Medical Gas Port	64.99	

11 60 Entertainment and Recreation Equipment *(11)*

11 61 Broadcast, Theater, and Stage Equipment *(11 60)*

11 61 23 Folding and Portable Stages *(11 61)*

11 61 23 00-0001		Roll Out Stage, Steel Frame, Wood Floor *(11 61 23)*		
11 61 23 00-0002	SF	Roll Out Stage, Manual With Steel Frame And Wood Floor	112.49	6.71
		For Carpeted Deck, Add	*12.46*	
		For Polypropylene Deck, Add	*13.96*	
11 61 23 00-0003	SF	Roll Out Stage, Electric With Steel Frame And Wood Floor	153.47	7.02
11 61 23 00-0004		Portable Stages, With Steps, Folding Legs, Stock Design *(11 61 23)*		
		Note: A heavy-gauge steel frame supports the solid plywood deck. Supports 200 pounds per square foot and folds to less than two inches high for storage and transport.		
11 61 23 00-0005	SF	Portable Stage, 8" High Hardwood Deck With Steps And Folding Legs	37.91	2.40
		For Carpeted Deck, Add	*4.14*	
		For Polypropylene Deck, Add	*4.64*	
11 61 23 00-0006	SF	Portable Stage, 16" High Hardwood Deck With Steps And Folding Legs	41.72	2.64
		For Carpeted Deck, Add	*4.56*	
		For Polypropylene Deck, Add	*5.10*	
11 61 23 00-0007	SF	Portable Stage, 24" High Hardwood Deck With Steps And Folding Legs	43.27	2.88
		For Carpeted Deck, Add	*4.69*	
		For Polypropylene Deck, Add	*5.25*	
11 61 23 00-0008	SF	Portable Stage, 32" High Hardwood Deck With Steps And Folding Legs	44.57	3.00
		For Carpeted Deck, Add	*4.82*	
		For Polypropylene Deck, Add	*5.40*	
11 61 23 00-0009	SF	Portable Stage, 48" High Hardwood Deck With Steps And Folding Legs	47.83	3.19
		For Carpeted Deck, Add	*5.18*	
		For Polypropylene Deck, Add	*5.80*	
11 61 23 00-0010		Telescoping Platforms, Aluminum *(11 61 23)*		
11 61 23 00-0011	SF	Telescoping Platforms, Aluminum Straight, Minimum	170.00	5.76
11 61 23 00-0012	SF	Telescoping Platforms, Aluminum Straight	199.94	5.76
11 61 23 00-0013	SF	Telescoping Platforms, Aluminum Pie Shaped, Minimum	198.84	9.59
11 61 23 00-0014	SF	Telescoping Platforms, Aluminum Pie Shaped	236.27	9.59
11 61 23 00-0015		Band Risers, Steel Frame, Plywood Deck *(11 61 23)*		
11 61 23 00-0016	SF	8" High Band Risers, Steel Frame Wood Deck	55.02	2.40
		For Carpeted Deck, Add	*6.28*	
		For Polypropylene Deck, Add	*7.03*	
11 61 23 00-0017	SF	12" High Band Risers, Steel Frame Wood Deck	58.86	2.40
		For Carpeted Deck, Add	*6.76*	
		For Polypropylene Deck, Add	*7.57*	
11 61 23 00-0018	SF	16" High Band Risers, Steel Frame Wood Deck	61.84	2.40
		For Carpeted Deck, Add	*7.13*	
		For Polypropylene Deck, Add	*7.99*	
11 61 23 00-0019	SF	24" High Band Risers, Steel Frame Wood Deck	65.76	2.40
		For Carpeted Deck, Add	*7.62*	
		For Polypropylene Deck, Add	*8.53*	
11 61 23 00-0020		Choral Risers, Steel Frame *(11 61 23)*		
11 61 23 00-0021		Choral Risers, Steel Frame, Plywood Deck *(11 61 23 00-0020)*		
11 61 23 00-0022	EA	16" High, 8' Long, 2 Level Straight Choral Risers, Steel Frame Wood Deck	1,102.38	28.77
		For Carpeted Deck, Add	*130.61*	
		For Polypropylene Deck, Add	*146.28*	
11 61 23 00-0023	EA	24" High, 8' Long, 3 Level Straight Choral Risers, Steel Frame Wood Deck	1,676.68	38.37
		For Carpeted Deck, Add	*200.00*	
		For Polypropylene Deck, Add	*223.99*	
11 61 23 00-0024	EA	32" High, 8' Long, 4 Level Straight Choral Risers, Steel Frame Wood Deck	2,270.63	47.96
		For Carpeted Deck, Add	*271.84*	
		For Polypropylene Deck, Add	*304.46*	
11 61 23 00-0025	EA	16" High, 5'-6" Long, 2 Level Tapered Choral Risers, Steel Frame Wood Deck	842.51	28.77
		For Carpeted Deck, Add	*98.12*	
		For Polypropylene Deck, Add	*109.90*	
11 61 23 00-0026	EA	24" High, 6' Long, 3 Level Tapered Choral Risers, Steel Frame Wood Deck	1,302.56	38.37
		For Carpeted Deck, Add	*153.23*	
		For Polypropylene Deck, Add	*171.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 23 00-0027	EA	32" High, 6'-6" Long, 4 Level Tapered Choral Risers, Steel Frame Wood Deck	1,809.25	47.96
		For Carpeted Deck, Add	*214.17*	
		For Polypropylene Deck, Add	*239.87*	

11 61 23 00-0028 Chairs For Risers, Self Storing *(11 61 23)*

11 61 23 00-0029	EA	Chairs For Risers, Self Storing	139.58	4.80

11 61 33 Rigging Systems and Controls *(11 61)*

11 61 33 19 Curtain Systems *(11 61 33)*

11 61 33 19-0001 Stage Curtain Hardware *(11 61 33 19)*

11 61 33 19-0002 Heavy-Duty Stage Curtain Track And Accessories (ADC 280 Series) *(11 61 33 19-0001)*

11 61 33 19-0003	LF	280 Series CWANA (Comes With All Necessary Accessories) Note: Excludes pipe backbone.	89.27	7.19
11 61 33 19-0004	LF	14 Gauge Powder Coated Galvanized Steel Track Channel (ADC 2800)	41.93	3.59
11 61 33 19-0005	EA	Single Carrier (ADC 2801)	27.85	1.79
11 61 33 19-0006	EA	Master Carrier (ADC 2802)	94.11	4.55
11 61 33 19-0007	EA	Live End Pulley (ADC 2803)	184.80	7.19
11 61 33 19-0008	EA	Dead End Pulley (ADC 2804)	114.61	7.19
11 61 33 19-0009	EA	Adjustable Floor Pulley (ADC 2805)	177.43	14.38
11 61 33 19-0010	EA	Lap Clamp (ADC 2807)	30.16	3.59
11 61 33 19-0011	EA	Hanging Clamp (ADC 2808)	33.55	8.98
11 61 33 19-0012	EA	End Stop (SDC 2809)	22.17	3.59
11 61 33 19-0013	EA	Pipe Clamp For 1-1/4" Inside Diameter, Schedule 40 Pipe Batten (ADC 2814)	39.88	8.98
11 61 33 19-0014	EA	Pipe Clamp For 1-1/2" Inside Diameter, Schedule 40 Pipe Batten (ADC 2815)	40.75	8.98
11 61 33 19-0015	EA	Suspended Splicing Clamp (ADC 2824)	184.49	13.53
11 61 33 19-0016	LF	3/8" Diameter #12 Cord (ADC 2828)	3.36	0.36
11 61 33 19-0017	EA	Tension Floor Pulley (ADC 2865)	156.36	14.38

11 61 33 19-0018 RIG-I-FLEX Curtain Track And Accessories (ADC 140/141 Series) *(11 61 33 19-0001)*
Note: Can be curved.

11 61 33 19-0019	LF	Aluminum 140 Series CWANA (Comes With All Necessary Accessories) Note: Excludes pipe backbone.	90.96	7.19
11 61 33 19-0020	LF	11 Gauge Aluminum Channel (ADC 1400)	27.48	3.59
11 61 33 19-0021	EA	Master Carrier (ADC 1402)	184.09	4.55
11 61 33 19-0022	EA	Live End Pulley (ADC 1403)	166.16	7.19
11 61 33 19-0023	EA	Dead End Pulley (ADC 1404)	132.72	7.19
11 61 33 19-0024	EA	Lap Clamp (ADC 1407)	45.39	3.59
11 61 33 19-0025	EA	End Stop (ADC 1409)	38.03	3.59
11 61 33 19-0026	EA	Ceiling Clamp (ADC 1423)	42.44	8.98
11 61 33 19-0027	EA	Master Carrier (ADC 1438)	179.07	4.55
11 61 33 19-0028	EA	Spindle A (ADC 1458) Note: Not included with CWANA systems.	96.18	3.59
11 61 33 19-0029	EA	Spindle B (ADC 1459) Note: Not included with CWANA systems.	65.48	3.59
11 61 33 19-0030	EA	Idler Bracket (ADC 1460) Note: Not included with CWANA systems.	55.02	3.59
11 61 33 19-0031	EA	Overlap Idler Bracket (ADC 1460A) Note: Not included with CWANA systems.	110.90	3.59
11 61 33 19-0032	EA	Single Carrier (ADC 4201)	32.64	1.79
11 61 33 19-0033	EA	Hanging Clamp (ADC 4208)	23.78	8.98
11 61 33 19-0034	EA	Splice Clamp (ADC 4224)	32.66	7.19
11 61 33 19-0035	EA	Single Carrier (ADC 4237)	30.19	1.79
11 61 33 19-0036	EA	Walk-Along Master Carrier For Curved Track (ADC 4252)	104.26	4.55

11 61 33 19-0037 Stage Curtain Hardware And Accessories *(11 61 33 19-0001)*

11 61 33 19-0038 Trim Chain *(11 61 33 19-0037)*

11 61 33 19-0039	EA	3-Link Trim Chain (ADC TC-1)	5.22	
11 61 33 19-0040	EA	5-Link Trim Chain (ADC TC-2)	5.33	

11 61 33 19-0041 Pipe Batten Hanger Assembly *(11 61 33 19-0037)*
Note: 1/4" steel wire may be used in place of #8 cord.

11 61 33 19-0042	EA	1" Inside Diameter Pipe Batten Hanger Assembly Note: Includes Pipe Clamp (ADC 1713), Beam Clamp, 8' x 1/4" Diameter #8 Cord, Wire Rope Clips, And 3/8" x 6" Eye And Jaw Turnbuckle	160.79	21.55
11 61 33 19-0043	EA	1-1/4" Inside Diameter Pipe Batten Hanger Assembly Note: Includes Pipe Clamp (ADC 1714), Beam Clamp, 8' x 1/4" Diameter #8 Cord, Wire Rope Clips, And 3/8" x 6" Eye And Jaw Turnbuckle	163.22	21.55
11 61 33 19-0044	EA	1-1/2" Inside Diameter Pipe Batten Hanger Assembly Note: Includes Pipe Clamp (ADC 1715), Beam Clamp, 8' x 1/4" Diameter #8 Cord, Wire Rope Clips, And 3/8" x 6" Eye And Jaw Turnbuckle	165.34	21.55

11 61 33 19-0045 Pipe Battens And Attaching Hardware *(11 61 33 19-0037)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0046	LF	1" Inside Diameter Schedule 40 Black Steel Pipe Batten	9.96	1.79
11 61 33 19-0047	LF	1-1/4" Inside Diameter Schedule 40 Black Steel Pipe Batten	11.74	2.15
11 61 33 19-0048	LF	1-1/2" Inside Diameter Schedule 40 Black Steel Pipe Batten	13.52	2.52
		For Schedule 80 Pipe, Add	*6.62*	
11 61 33 19-0049	EA	Schedule 40 Inside Sleeve Splice And Attaching Hardware For 1" Inside Diameter Pipe Batten	58.98	7.19
11 61 33 19-0050	EA	Schedule 40 Inside Sleeve Splice And Attaching Hardware For 1-1/4" Inside Diameter Pipe Batten	70.47	7.43
11 61 33 19-0051	EA	Schedule 40 Inside Sleeve Splice And Attaching Hardware For 1-1/2" Inside Diameter Pipe Batten	70.83	7.54
		For Schedule 80 Inner Sleeve, Add	*22.30*	
11 61 33 19-0052		**Wood Grounds** *(11 61 33 19-0037)*		
		Note: Includes hardware and painting.		
11 61 33 19-0053	LF	1" x 3" Up To 1" x 6" Proscenium Valance, Border Tab Or Platform Track Wood Ground	12.31	0.96
11 61 33 19-0054	LF	1" x Required Width Kerfed, Vaulted Proscenium Valance Wood Ground	15.44	0.96
11 61 33 19-0055	LF	2" x 6" Movie Screen And Proscenium Valance Wood Ground	18.84	1.32
11 61 33 19-0056		**Rigging Component Parts, Repair And Maintenance** *(11 61 33 19)*		
11 61 33 19-0057		**Counterweight Lead Line Cable Assembly** *(11 61 33 19-0056)*		
		Note: 1/4" diameter 7 x 19 galvanized aircraft cable, copper nicopress fittings or double Crosby cable clips, 1/4" cable thimbles, shackle, and trim chain or 3/8" x 6" turnbuckles as required.		
11 61 33 19-0058	EA	Up To 22' High Steel, Counterweight Lead Line Cable Assembly	183.56	28.74
11 61 33 19-0059	EA	>22' To 35' High Steel, Counterweight Lead Line Cable Assembly	194.89	28.74
11 61 33 19-0060	EA	>35' To 50' High Steel, Counterweight Lead Line Cable Assembly	246.31	43.12
11 61 33 19-0061		**Pipe Batten Assembly** *(11 61 33 19-0056)*		
		Note: Assembled and painted black.		
11 61 33 19-0062	EA	Up To 21' Long Pipe Batten Assembly, 1-1/4" Or 1-1/2" Inside Diameter Pipe Batten	374.04	35.93
		For Schedule 80 Pipe, Add	*109.77*	
11 61 33 19-0063	EA	>21' To 42' Long Pipe Batten Assembly, 1-1/4" Or 1-1/2" Inside Diameter Pipe Batten With Inner Sleeves	856.00	71.86
		For Schedule 80 Pipe, Add	*258.77*	
11 61 33 19-0064	EA	>42' To 63' Long Pipe Batten Assembly, 1-1/4" Or 1-1/2" Inside Diameter Pipe Batten With Inner Sleeves	1,337.97	107.78
		For Schedule 80 Pipe, Add	*408.39*	
11 61 33 19-0065		**Counterweight Arbor And Shoe** *(11 61 33 19-0056)*		
		Note: Sized to match existing.		
11 61 33 19-0066	EA	T Bar Type Single Purchase Counterweight Arbor	1,099.55	143.71
11 61 33 19-0067	EA	Wire Guided Type Single Purchase Counterweight Arbor	894.49	143.71
11 61 33 19-0068	EA	Lattice Type Single Purchase Counterweight Arbor	1,104.94	143.71
11 61 33 19-0069	EA	T Bar Type Double Purchase Counterweight Arbor	2,386.52	143.71
11 61 33 19-0070	EA	Lattice Type Double Purchase Counterweight Arbor	2,354.14	143.71
11 61 33 19-0071	PR	Top And Bottom Shoe, T-Bar Counterweight Arbor	168.99	35.93
11 61 33 19-0072		**Stop Rail** *(11 61 33 19-0056)*		
		Note: Mounting and anchoring as required.		
11 61 33 19-0073	EA	Up To 10' Length, Bottom Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	197.33	35.93
11 61 33 19-0074	EA	>10 To 20' Length, Bottom Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	394.63	71.86
11 61 33 19-0075	EA	>20 To 30' Length, Bottom Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	591.97	107.78
11 61 33 19-0076	EA	Up To 10' Length, Up To 22' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	197.33	35.93
11 61 33 19-0077	EA	Up To 10' Length, >22' To 35' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	197.33	35.93
11 61 33 19-0078	EA	Up To 10' Length, >35' To 50' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	233.25	53.89
11 61 33 19-0079	EA	>10' To 20' Length, Up To 22' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	394.63	71.86
11 61 33 19-0080	EA	>10' To 20' Length, >22' To 35' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	394.63	71.86
11 61 33 19-0081	EA	>10' To 20' Length, >35' To 50' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	358.70	53.89
11 61 33 19-0082	EA	>20' To 30' Length, Up To 22' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	591.97	107.78
11 61 33 19-0083	EA	>20' To 30' Length, >22' To 35' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	591.97	107.78
11 61 33 19-0084	EA	>20' To 30' Length, >25 To 50' High Steel, Top Stop Rail, 2" x 2" Wood Rail, Steel Angle Iron	699.75	161.69
11 61 33 19-0085		**Floor And Take-Up Block** *(11 61 33 19-0056)*		
11 61 33 19-0086	EA	12" Diameter, Adjustable Combination Floor Block/Rope Lock	1,535.91	35.93
11 61 33 19-0087	EA	10" Diameter, Adjustable Combination Floor Block/Rope Lock	1,028.67	35.93
11 61 33 19-0088	EA	12" Diameter, Welch Take-Up Block	942.34	35.93
11 61 33 19-0089	EA	10" Diameter, Welch Take-Up Block	602.38	35.93
11 61 33 19-0090	PR	Top And Bottom Shoe, Welch Take-Up Block	870.49	17.96
11 61 33 19-0091		**Operating Line** *(11 61 33 19-0056)*		
		Note: Counterbalance as required.		
11 61 33 19-0092		**5/8" Operating Line** *(11 61 33 19-0091)*		
11 61 33 19-0093	LF	Up To 22' High Steel, 5/8" Diameter, Multiline II Single Purchase Operating Line	5.05	0.84
		For Black, Add	*0.36*	
11 61 33 19-0094	LF	>22' To 35' High Steel, 5/8" Diameter, Multiline II Single Purchase Operating Line	4.34	0.59
		For Black, Add	*0.36*	
11 61 33 19-0095	LF	>35' To 50' High Steel, 5/8" Diameter, Multiline II Single Purchase Operating Line	3.61	0.48
		For Black, Add	*0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0096	LF	Up To 22' High Steel, 5/8" Diameter, Multiline II Double Purchase Operating Line	3.97	0.59
		For Black, Add	*0.36*	
11 61 33 19-0097	LF	>22' To 35' High Steel, 5/8" Diameter, Multiline II Double Purchase Operating Line	3.61	0.48
		For Black, Add	*0.36*	
11 61 33 19-0098	LF	>35' To 50' High Steel, 5/8" Diameter, Multiline II Double Purchase Operating Line	3.26	0.36
		For Black, Add	*0.36*	
11 61 33 19-0099	LF	Up To 22' High Steel, 5/8" Diameter, Stage-Set X Single Purchase Operating Line	5.69	0.84
		For Black, Add	*0.49*	
11 61 33 19-0100	LF	>22' To 35' High Steel, 5/8" Diameter, Stage-Set X Single Purchase Operating Line	4.98	0.59
		For Black, Add	*0.49*	
11 61 33 19-0101	LF	>35' To 50' High Steel, 5/8" Diameter, Stage-Set X Single Purchase Operating Line	4.25	0.48
		For Black, Add	*0.49*	
11 61 33 19-0102	LF	Up To 22' High Steel, 5/8" Diameter, Stage-Set X Double Purchase Operating Line	4.61	0.59
		For Black, Add	*0.49*	
11 61 33 19-0103	LF	>22' To 35' High Steel, 5/8" Diameter, Stage-Set X Double Purchase Operating Line	4.25	0.48
		For Black, Add	*0.49*	
11 61 33 19-0104	LF	>35' To 50' High Steel, 5/8" Diameter, Stage-Set X Double Purchase Operating Line	3.90	0.36
		For Black, Add	*0.49*	
11 61 33 19-0105		**3/4" Operating Line** *(11 61 33 19-0091)*		
11 61 33 19-0106	LF	Up To 22' High Steel, 3/4" Diameter, Multiline II Single Purchase Operating Line	5.27	0.84
		For Black, Add	*0.41*	
11 61 33 19-0107	LF	>22' To 35' High Steel, 3/4" Diameter, Multiline II Single Purchase Operating Line	4.56	0.59
		For Black, Add	*0.41*	
11 61 33 19-0108	LF	>35' To 50' High Steel, 3/4" Diameter, Multiline II Single Purchase Operating Line	3.83	0.48
		For Black, Add	*0.41*	
11 61 33 19-0109	LF	Up To 22' High Steel, 3/4" Diameter, Multiline II Double Purchase Operating Line	4.19	0.59
		For Black, Add	*0.41*	
11 61 33 19-0110	LF	>22' To 35' High Steel, 3/4" Diameter, Multiline II Double Purchase Operating Line	3.83	0.48
		For Black, Add	*0.41*	
11 61 33 19-0111	LF	>35' To 50' High Steel, 3/4" Diameter, Multiline II Double Purchase Operating Line	3.48	0.36
		For Black, Add	*0.41*	
11 61 33 19-0112	LF	Up To 22' High Steel, 3/4" Diameter, Stage-Set X Single Purchase Operating Line	6.18	0.84
		For Black, Add	*0.59*	
11 61 33 19-0113	LF	>22' To 35' High Steel, 3/4" Diameter, Stage-Set X Single Purchase Operating Line	5.47	0.59
		For Black, Add	*0.59*	
11 61 33 19-0114	LF	>35' To 50' High Steel, 3/4" Diameter, Stage-Set X Single Purchase Operating Line	4.74	0.48
		For Black, Add	*0.59*	
11 61 33 19-0115	LF	Up To 22' High Steel, 3/4" Diameter, Stage-Set X Double Purchase Operating Line	5.10	0.59
		For Black, Add	*0.59*	
11 61 33 19-0116	LF	>22' To 35' High Steel, 3/4" Diameter, Stage-Set X Double Purchase Operating Line	4.74	0.48
		For Black, Add	*0.59*	
11 61 33 19-0117	LF	>35' To 50' High Steel, 3/4" Diameter, Stage-Set X Double Purchase Operating Line	4.39	0.36
		For Black, Add	*0.59*	
11 61 33 19-0118		**1" Operating Line** *(11 61 33 19-0091)*		
11 61 33 19-0119	LF	Up To 22' High Steel, 1" Diameter, Multiline II Single Purchase Operating Line	6.65	0.84
		For Black, Add	*0.68*	
11 61 33 19-0120	LF	>22' To 35' High Steel, 1" Diameter, Multiline II Single Purchase Operating Line	5.94	0.59
		For Black, Add	*0.68*	
11 61 33 19-0121	LF	>35' To 50' High Steel, 1" Diameter, Multiline II Single Purchase Operating Line	5.21	0.48
		For Black, Add	*0.68*	
11 61 33 19-0122	LF	Up To 22' High Steel, 1" Diameter, Multiline II Double Purchase Operating Line	5.57	0.59
		For Black, Add	*0.68*	
11 61 33 19-0123	LF	>22' To 35' High Steel, 1" Diameter, Multiline II Double Purchase Operating Line	5.21	0.48
		For Black, Add	*0.68*	
11 61 33 19-0124	LF	>35' To 50' High Steel, 1" Diameter, Multiline II Double Purchase Operating Line	4.86	0.36
		For Black, Add	*0.68*	
11 61 33 19-0125	LF	Up To 22' High Steel, 1" Diameter, Stage-Set X Single Purchase Operating Line	8.45	0.84
		For Black, Add	*1.04*	
11 61 33 19-0126	LF	>22' To 35' High Steel, 1" Diameter, Stage-Set X Single Purchase Operating Line	7.74	0.59
		For Black, Add	*1.04*	
11 61 33 19-0127	LF	>35' To 50' High Steel, 1" Diameter, Stage-Set X Single Purchase Operating Line	7.01	0.48
		For Black, Add	*1.04*	
11 61 33 19-0128	LF	Up To 22' High Steel, 1" Diameter, Stage-Set X Double Purchase Operating Line	7.37	0.59
		For Black, Add	*1.04*	
11 61 33 19-0129	LF	>22' To 35' High Steel, 1" Diameter, Stage-Set X Double Purchase Operating Line	7.01	0.48
		For Black, Add	*1.04*	
11 61 33 19-0130	LF	>35' To 50' High Steel, 1" Diameter, Stage-Set X Double Purchase Operating Line	6.66	0.36
		For Black, Add	*1.04*	
11 61 33 19-0131		**Head Block** *(11 61 33 19-0056)*		
11 61 33 19-0132	EA	Up To 22' High Steel, Upright, 6 Line, 12" Diameter, Head Block	1,595.50	107.78
		For 8" Head Block, Deduct	*-50.71*	
11 61 33 19-0133	EA	>22' To 35' High Steel, Upright, 6 Line, 12" Diameter, Head Block	1,595.50	107.78
		For 8" Head Block, Deduct	*-50.71*	
11 61 33 19-0134	EA	>35' To 50' High Steel, Upright, 6 Line, 12" Diameter, Head Block	1,811.08	161.69
		For 8" Head Block, Deduct	*-50.71*	
11 61 33 19-0135	EA	Up To 22' High Steel, Underhung, 6 Line, 12" Diameter, Head Block	1,595.50	107.78
		For 8" Head Block, Deduct	*-50.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0136	EA	>22' To 35' High Steel, Underhung, 6 Line, 12" Diameter, Head Block	1,595.50	107.78
		For 8" Head Block, Deduct	*-50.71*	
11 61 33 19-0137	EA	>35' To 50' High Steel, Underhung, 6 Line, 12" Diameter, Head Block	1,811.08	161.69
		For 8" Head Block, Deduct	*-50.71*	
11 61 33 19-0138	EA	Up To 22' High Steel, Upright, 8 Line, 12" Diameter, Head Block	1,897.88	143.71
		For 8" Head Block, Deduct	*-30.42*	
11 61 33 19-0139	EA	>22' To 35' High Steel, Upright, 8 Line, 12" Diameter, Head Block	1,897.88	143.71
		For 8" Head Block, Deduct	*-30.42*	
11 61 33 19-0140	EA	>35' To 50' High Steel, Upright, 8 Line, 12" Diameter, Head Block	2,185.31	215.58
		For 8" Head Block, Deduct	*-30.42*	
11 61 33 19-0141	EA	Up To 22' High Steel, Underhung, 8 Line, 12" Diameter, Head Block	1,897.88	143.71
		For 8" Head Block, Deduct	*-30.42*	
11 61 33 19-0142	EA	>22' To 35' High Steel, Underhung, 8 Line, 12" Diameter, Head Block	1,897.88	143.71
		For 8" Head Block, Deduct	*-30.42*	
11 61 33 19-0143	EA	>35' To 50' High Steel, Underhung, 8 Line, 12" Diameter, Head Block	2,185.31	215.58
		For 8" Head Block, Deduct	*-30.42*	
11 61 33 19-0144		**Loft Block** *(11 61 33 19-0056)*		
11 61 33 19-0145	EA	Up To 22' High Steel, Upright, 1 Line, 8" Diameter, Loft Block	416.21	35.93
11 61 33 19-0146	EA	>22' To 35' High Steel, Upright, 1 Line, 8" Diameter, Loft Block	416.21	35.93
11 61 33 19-0147	EA	>35' To 50' High Steel, Upright, 1 Line, 8" Diameter, Loft Block	488.08	53.89
11 61 33 19-0148	EA	Up To 22' High Steel, Underhung, 1 Line, 8" Diameter, Loft Block	443.19	35.93
11 61 33 19-0149	EA	>22' To 35' High Steel, Underhung, 1 Line, 8" Diameter, Loft Block	443.19	35.93
11 61 33 19-0150	EA	>35' To 50' High Steel, Underhung, 1 Line, 8" Diameter, Loft Block	515.06	53.89
11 61 33 19-0151	EA	Up To 22' High Steel, Upright, 2 Line, 8" Diameter, Loft Block	432.40	35.93
11 61 33 19-0152	EA	>22' To 35' High Steel, Upright, 2 Line, 8" Diameter, Loft Block	432.40	35.93
11 61 33 19-0153	EA	>35' To 50' High Steel, Upright, 2 Line, 8" Diameter, Loft Block	504.27	53.89
11 61 33 19-0154	EA	Up To 22' High Steel, Underhung, 2 Line, 8" Diameter, Loft Block	459.38	35.93
11 61 33 19-0155	EA	>22' To 35' High Steel, Underhung, 2 Line, 8" Diameter, Loft Block	459.38	35.93
11 61 33 19-0156	EA	>35' To 50' High Steel, Underhung, 2 Line, 8" Diameter, Loft Block	531.25	53.89
11 61 33 19-0157		**Mule Block** *(11 61 33 19-0056)*		
11 61 33 19-0158	EA	Up To 22' High Steel, 2 Line, 8" Diameter, Mule Block	1,040.99	71.86
11 61 33 19-0159	EA	>22' To 35' High Steel, 2 Line, 8" Diameter, Mule Block	1,184.70	107.78
11 61 33 19-0160	EA	>35' To 50' High Steel, 2 Line, 8" Diameter, Mule Block	1,400.28	161.69
11 61 33 19-0161	EA	Up To 22' High Steel, 4 Line, 8" Diameter, Mule Block	1,391.54	107.78
11 61 33 19-0162	EA	>22' To 35' High Steel, 4 Line, 8" Diameter, Mule Block	1,535.27	143.71
11 61 33 19-0163	EA	>35' To 50' High Steel, 4 Line, 8" Diameter, Mule Block	2,038.26	269.47
11 61 33 19-0164		**T-Bar/Guide Wire Repair** *(11 61 33 19-0056)* Note: Repair, straighten, lube, replace damaged T-Bar track sections and reanchor to the wall. Repair and reanchor locking rail. Replace damaged tracking, and wall anchors. On wire guided counterweight systems, replace damaged guide cables, turnbuckles, thimbles as required.		
11 61 33 19-0165	EA	Up To 22' High Steel, 1 Line Set, T Bar/Guide Wire Repair	190.94	
11 61 33 19-0166	EA	>22' To 35' High Steel, 1 Line Set, T Bar/Guide Wire Repair	286.42	
11 61 33 19-0167	EA	>35' To 50' High Steel, 1 Line Set, T Bar/Guide Wire Repair	525.57	
11 61 33 19-0168	EA	Up To 22' High Steel, >1 To 5 Line Sets, T Bar/Guide Wire Repair	667.23	
11 61 33 19-0169	EA	>22' To 35' High Steel, >1 To 5 Line Sets, T Bar/Guide Wire Repair	929.01	
11 61 33 19-0170	EA	>35' To 50' High Steel, >1 To 5 Line Sets, T Bar/Guide Wire Repair	1,550.02	
11 61 33 19-0171	EA	Up To 22' High Steel, >5 To 10 Line Sets, T Bar/Guide Wire Repair	1,047.03	
11 61 33 19-0172	EA	>22' To 35' High Steel, >5 To 10 Line Sets, T Bar/Guide Wire Repair	1,426.83	
11 61 33 19-0173	EA	>35' To 50' High Steel, >5 To 10 Line Sets, T Bar/Guide Wire Repair	2,237.76	
11 61 33 19-0174	EA	Up To 22' High Steel, >10 To 20 Line Sets, T Bar/Guide Wire Repair	1,950.33	
11 61 33 19-0175	EA	>22' To 35' High Steel, >10 To 20 Line Sets, T Bar/Guide Wire Repair	2,422.49	
11 61 33 19-0176	EA	>35' To 50' High Steel, >10 To 20 Line Sets, T Bar/Guide Wire Repair	3,613.23	
11 61 33 19-0177	EA	Up To 22' High Steel, >20 To 30 Line Sets, T Bar/Guide Wire Repair	2,566.21	
11 61 33 19-0178	EA	>22' To 35' High Steel, >20 To 30 Line Sets, T Bar/Guide Wire Repair	3,418.17	
11 61 33 19-0179	EA	>35' To 50' High Steel, >20 To 30 Line Sets, T Bar/Guide Wire Repair	4,988.70	
11 61 33 19-0180		**T Bar Track Section** *(11 61 33 19-0056)* Note: Includes wall battens, wall knees and required hardware.		
11 61 33 19-0181	PR	Up To 22' High Steel, Steel, 20' Long, Pair Of T Bar Track Section	794.66	143.71
11 61 33 19-0182	PR	>22' To 35' High Steel, Steel, 20' Long, Pair Of T Bar Track Section	794.66	143.71
11 61 33 19-0183	PR	>35' To 50' High Steel, Steel, 20' Long, Pair Of T Bar Track Section	938.37	215.58
11 61 33 19-0184		**Rope Lock** *(11 61 33 19-0056)*		
11 61 33 19-0185	EA	Rope Lock (JR Clancy 010-533R)	356.04	43.12
11 61 33 19-0186	EA	Rope Lock With Key Lock (JR Clancy 010-533L)	482.84	43.12
11 61 33 19-0187		**Counterweight** *(11 61 33 19-0056)*		
11 61 33 19-0188	LB	Steel Slip Counterweight Note: Steel weights are provided in various thicknesses and weights.	2.00	0.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 33 19-0189		**Counterweight Maintenance** *(11 61 33 19-0056)*		
		Note: Tighten operating lines, adjust rope locks, and resecure rope lines.		
11 61 33 19-0190	EA	1 Line Set, Counter Balance Counterweight Loads, Counterweight Maintenance	146.41	
11 61 33 19-0191	EA	>1 To 5 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance	577.57	
11 61 33 19-0192	EA	>5 To 10 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance	721.28	
11 61 33 19-0193	EA	>10 To 20 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance	865.00	
11 61 33 19-0194	EA	>20 To 30 Line Sets, Counter Balance Counterweight Loads, Counterweight Maintenance	1,152.43	
11 61 33 19-0195		**Fire Curtains** *(11 61 33 19-0056)*		
11 61 33 19-0196	EA	Fire Curtain Refurbishment	882.36	
		Note: Includes new trip line, fusible links and retrimming of the fire curtain clear of the proscenium opening. There will be no operation of fire curtain during refurbishment, due to potential hazards.		
11 61 33 19-0197	SF	Thermotex Fire Curtain, Style 44-WFCC, 40 Oz/SY, Wire Reinforced	50.52	0.12
11 61 33 19-0198		**Hand Winch** *(11 61 33 19-0056)*		
11 61 33 19-0199	EA	#2200 Hand Winch, Bolt-on, Attach To Existing Mounting Without Modification Of Mounting	2,198.11	71.86
11 61 33 19-0200	EA	#2200 Hand Winch And Mount. Provide New Mount Or Modify The Existing Mount	2,905.94	143.71
11 61 33 19-0201	EA	#3300 Hand Winch, Bolt-on. Attach To Existing Mounting Without Modification Of Mounting	3,889.14	71.86
11 61 33 19-0202	EA	#3300 Hand Winch And Mount. Provide New Mount Or Modify The Existing Mount (Does Not Require Additional "Rigging Repairs Set-Up Charge" To Accomplish Task)	4,596.97	143.71
11 61 33 19-0203		**Dry Cleaning And Spray Application Of Flame Retardant** *(11 61 33 19-0056)*		
		Note: Spray application of flame retardant to fabric. Includes one year warranty and certificate of flame resistance.		
11 61 33 19-0204	SF	On-Site, Spray Application Of Flame Retardant To Fabric	1.45	
11 61 33 19-0205	EA	Minimum Charge For On-Site, Spray Application Of Flame Retardant To Fabric	1,226.39	
11 61 33 19-0206	EA	Pick Up And Return Curtains Or Drapes From School To Cleaner's Or Applicator's Facility	334.47	
11 61 33 19-0207	EA	Minimum Charge For Spray Application Of Flame Retardant To Fabric At Applicator's Facility	445.96	
11 61 33 19-0208	SF	Dry Cleaning Of Curtains Or Drapes At Cleaner's Facility	2.01	

11 61 43 Stage Curtains *(11 61)*

11 61 43 00-0001 Stage Curtain And Hard Masking *(11 61 43)*

Note: All sizes are width x height unless otherwise noted, and are approximate. Select the closest size to the actual size required. If the actual size required is exactly between two sizes listed, select the larger of the two sizes.

11 61 43 00-0002 Stage Curtain *(11 61 43 00-0001)*

11 61 43 00-0003 One Panel, Straight Top, Proscenium Valance, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0004	EA	One 30' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain	2,443.60	67.42
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0005	EA	One 30' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain	2,868.55	67.42
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0006	EA	One 30' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain	3,420.96	67.42
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0007	EA	One 35' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain	2,593.60	78.57
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0008	EA	One 35' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain	3,330.17	78.57
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0009	EA	One 35' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain	4,153.07	78.57
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0010	EA	One 40' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain	2,964.47	89.82
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0011	EA	One 40' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain	3,803.03	89.82
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0012	EA	One 40' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain	4,644.40	89.82
		For Curved Proscenium Valance, Add	*768.95*	
11 61 43 00-0013	EA	One 45' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain	3,335.41	101.08
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0014	EA	One 45' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain	4,278.81	101.08
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0015	EA	One 45' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain	5,227.84	101.08
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0016	EA	One 50' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain	3,706.28	112.33
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0017	EA	One 50' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain	4,757.30	112.33
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0018	EA	One 50' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain	5,808.34	112.33
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0019	EA	One 55' x 3' Panel, Straight Top, Proscenium Valance, Stage Curtain	4,077.24	123.48
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0020	EA	One 55' x 5' Panel, Straight Top, Proscenium Valance, Stage Curtain	5,233.08	123.48
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0021	EA	One 55' x 7' Panel, Straight Top, Proscenium Valance, Stage Curtain	6,386.11	123.48
		For Curved Proscenium Valance, Add	*1,079.22*	
11 61 43 00-0022	EA	One 55' x 10' Panel, Straight Top, Proscenium Valance, Stage Curtain	3,810.52	123.48
		For Curved Proscenium Valance, Add	*1,079.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0023		**One Panel, Masking Teaser, Stage Curtain** *(11 61 43 00-0002)*		
11 61 43 00-0024	EA	One 30' x 5' Panel, Masking Teaser, Stage Curtain	2,868.55	67.42
11 61 43 00-0025	EA	One 30' x 8' Panel, Masking Teaser, Stage Curtain	3,704.26	67.42
11 61 43 00-0026	EA	One 30' x 10' Panel, Masking Teaser, Stage Curtain	4,228.38	67.42
11 61 43 00-0027	EA	One 35' x 5' Panel, Masking Teaser, Stage Curtain	3,330.17	78.57
11 61 43 00-0028	EA	One 35' x 8' Panel, Masking Teaser, Stage Curtain	4,165.90	78.57
11 61 43 00-0029	EA	One 35' x 10' Panel, Masking Teaser, Stage Curtain	4,774.99	78.57
11 61 43 00-0030	EA	One 40' x 5' Panel, Masking Teaser, Stage Curtain	3,995.66	89.82
11 61 43 00-0031	EA	One 40' x 8' Panel, Masking Teaser, Stage Curtain	5,324.31	89.82
11 61 43 00-0032	EA	One 40' x 10' Panel, Masking Teaser, Stage Curtain	6,097.72	89.82
11 61 43 00-0033	EA	One 40' x 12' Panel, Masking Teaser, Stage Curtain	6,791.79	89.82
11 61 43 00-0034	EA	One 45' x 5' Panel, Masking Teaser, Stage Curtain	4,496.93	101.08
11 61 43 00-0035	EA	One 45' x 8' Panel, Masking Teaser, Stage Curtain	5,987.06	101.08
11 61 43 00-0036	EA	One 45' x 10' Panel, Masking Teaser, Stage Curtain	6,862.46	101.08
11 61 43 00-0037	EA	One 45' x 12' Panel, Masking Teaser, Stage Curtain	7,638.70	101.08
11 61 43 00-0038	EA	One 50' x 5' Panel, Masking Teaser, Stage Curtain	4,995.26	112.33
11 61 43 00-0039	EA	One 50' x 8' Panel, Masking Teaser, Stage Curtain	6,652.56	112.33
11 61 43 00-0040	EA	One 50' x 10' Panel, Masking Teaser, Stage Curtain	7,624.26	112.33
11 61 43 00-0041	EA	One 50' x 12' Panel, Masking Teaser, Stage Curtain	8,488.31	112.33
11 61 43 00-0042	EA	One 55' x 5' Panel, Masking Teaser, Stage Curtain	5,496.55	123.48
11 61 43 00-0043	EA	One 55' x 8' Panel, Masking Teaser, Stage Curtain	7,320.98	123.48
11 61 43 00-0044	EA	One 55' x 10' Panel, Masking Teaser, Stage Curtain	8,389.01	123.48
11 61 43 00-0045	EA	One 55' x 12' Panel, Masking Teaser, Stage Curtain	9,338.05	123.48
11 61 43 00-0046		**Two Panels, Bi-Parting, Act Curtain, Stage Curtain** *(11 61 43 00-0002)*		
11 61 43 00-0047	PR	Two 17' x 12' Panels, Bi-Parting, Act Curtain, Stage Curtain	5,422.00	76.41
11 61 43 00-0048	PR	Two 17' x 14' Panels, Bi-Parting, Act Curtain, Stage Curtain	5,917.77	76.41
11 61 43 00-0049	PR	Two 17' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain	6,769.89	91.61
11 61 43 00-0050	PR	Two 17' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain	7,648.10	91.61
11 61 43 00-0051	PR	Two 20' x 14' Panels, Bi-Parting, Act Curtain, Stage Curtain	6,525.48	89.82
11 61 43 00-0052	PR	Two 20' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain	7,637.94	107.78
11 61 43 00-0053	PR	Two 20' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain	8,671.98	107.78
11 61 43 00-0054	PR	Two 25' x 14' Panels, Bi-Parting, Act Curtain, Stage Curtain	7,845.24	112.33
11 61 43 00-0055	PR	Two 25' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain	9,108.31	134.73
11 61 43 00-0056	PR	Two 25' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain	10,425.65	134.73
11 61 43 00-0057	PR	Two 30' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain	11,060.29	161.69
11 61 43 00-0058	PR	Two 30' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain	12,901.71	161.69
11 61 43 00-0059	PR	Two 30' x 24' Panels, Bi-Parting, Act Curtain, Stage Curtain	14,635.49	161.69
11 61 43 00-0060	PR	Two 35' x 17' Panels, Bi-Parting, Act Curtain, Stage Curtain	12,904.60	188.63
11 61 43 00-0061	PR	Two 35' x 20' Panels, Bi-Parting, Act Curtain, Stage Curtain	15,051.99	188.63
11 61 43 00-0062	PR	Two 35' x 24' Panels, Bi-Parting, Act Curtain, Stage Curtain	17,074.73	188.63
11 61 43 00-0063		**Two Panel, Bi-Parting, Olio Curtain, Stage Curtain** *(11 61 43 00-0002)*		
11 61 43 00-0064	PR	Two 17' x 14' Panels, Bi-Parting, Olio Curtain, Stage Curtain	4,614.61	76.41
		For 14 Oz Fabric, Deduct	*-669.29*	
11 61 43 00-0065	PR	Two 17' x 16' Panels, Bi-Parting, Olio Curtain, Stage Curtain	5,016.20	76.41
		For 14 Oz Fabric, Deduct	*-729.53*	
11 61 43 00-0066	PR	Two 17' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain	5,787.11	91.61
		For 14 Oz Fabric, Deduct	*-840.58*	
11 61 43 00-0067	PR	Two 17' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain	6,638.15	91.61
		For 14 Oz Fabric, Deduct	*-968.24*	
11 61 43 00-0068	PR	Two 20' x 14' Panels, Bi-Parting, Olio Curtain, Stage Curtain	5,132.37	89.82
		For 14 Oz Fabric, Deduct	*-742.91*	
11 61 43 00-0069	PR	Two 20' x 16' Panels, Bi-Parting, Olio Curtain, Stage Curtain	5,682.68	89.82
		For 14 Oz Fabric, Deduct	*-825.45*	
11 61 43 00-0070	PR	Two 20' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain	6,688.22	107.78
		For 14 Oz Fabric, Deduct	*-970.90*	
11 61 43 00-0071	PR	Two 20' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain	7,711.59	107.78
		For 14 Oz Fabric, Deduct	*-1,124.40*	
11 61 43 00-0072	PR	Two 25' x 14' Panels, Bi-Parting, Olio Curtain, Stage Curtain	6,158.91	112.33
		For 14 Oz Fabric, Deduct	*-890.15*	
11 61 43 00-0073	PR	Two 25' x 16' Panels, Bi-Parting, Olio Curtain, Stage Curtain	6,828.20	112.33
		For 14 Oz Fabric, Deduct	*-990.55*	
11 61 43 00-0074	PR	Two 25' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain	8,226.04	134.73
		For 14 Oz Fabric, Deduct	*-1,193.49*	
11 61 43 00-0075	PR	Two 25' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain	9,594.87	134.73
		For 14 Oz Fabric, Deduct	*-1,398.81*	
11 61 43 00-0076	PR	Two 30' x 17' Panels, Bi-Parting, Olio Curtain, Stage Curtain	8,910.07	161.69
		For 14 Oz Fabric, Deduct	*-1,288.01*	
11 61 43 00-0077	PR	Two 30' x 20' Panels, Bi-Parting, Olio Curtain, Stage Curtain	10,431.36	161.69
		For 14 Oz Fabric, Deduct	*-1,516.20*	
11 61 43 00-0078	PR	Two 30' x 24' Panels, Bi-Parting, Olio Curtain, Stage Curtain	12,507.95	161.69
		For 14 Oz Fabric, Deduct	*-1,827.69*	
11 61 43 00-0079		**Two Panel, Bi-Parting, Intermediate Curtain, Stage Curtain** *(11 61 43 00-0002)*		
11 61 43 00-0080	PR	Two 17' x 14' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	4,614.61	76.41
		For 14 Oz Fabric, Deduct	*-669.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0081	PR	Two 17' x 16' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	5,016.20	76.41
		For 14 Oz Fabric, Deduct	*-729.53*	
11 61 43 00-0082	PR	Two 17' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	5,787.11	91.61
		For 14 Oz Fabric, Deduct	*-840.58*	
11 61 43 00-0083	PR	Two 17' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	6,638.15	91.61
		For 14 Oz Fabric, Deduct	*-968.24*	
11 61 43 00-0084	PR	Two 20' x 14' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	5,132.37	89.82
		For 14 Oz Fabric, Deduct	*-742.91*	
11 61 43 00-0085	PR	Two 20' x 16' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	5,682.68	89.82
		For 14 Oz Fabric, Deduct	*-825.45*	
11 61 43 00-0086	PR	Two 20' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	6,688.22	107.78
		For 14 Oz Fabric, Deduct	*-970.90*	
11 61 43 00-0087	PR	Two 20' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	7,711.59	107.78
		For 14 Oz Fabric, Deduct	*-1,124.40*	
11 61 43 00-0088	PR	Two 25' x 14' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	6,158.91	112.33
		For 14 Oz Fabric, Deduct	*-890.15*	
11 61 43 00-0089	PR	Two 25' x 16' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	6,828.20	112.33
		For 14 Oz Fabric, Deduct	*-990.55*	
11 61 43 00-0090	PR	Two 25' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	8,226.04	134.73
		For 14 Oz Fabric, Deduct	*-1,193.49*	
11 61 43 00-0091	PR	Two 25' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	9,594.87	134.73
		For 14 Oz Fabric, Deduct	*-1,398.81*	
11 61 43 00-0092	PR	Two 30' x 17' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	8,910.07	161.69
		For 14 Oz Fabric, Deduct	*-1,288.01*	
11 61 43 00-0093	PR	Two 30' x 20' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	10,431.36	161.69
		For 14 Oz Fabric, Deduct	*-1,516.20*	
11 61 43 00-0094	PR	Two 30' x 24' Panels, Bi-Parting, Intermediate Curtain, Stage Curtain	12,507.95	161.69
		For 14 Oz Fabric, Deduct	*-1,827.69*	

11 61 43 00-0095 Two Panel, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0096	PR	Two 17' x 14' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	4,614.61	76.41
		For 14 Oz Fabric, Deduct	*-669.29*	
11 61 43 00-0097	PR	Two 17' x 16' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	5,016.20	76.41
		For 14 Oz Fabric, Deduct	*-729.53*	
11 61 43 00-0098	PR	Two 17' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	5,787.11	91.61
		For 14 Oz Fabric, Deduct	*-840.58*	
11 61 43 00-0099	PR	Two 17' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	6,638.15	91.61
		For 14 Oz Fabric, Deduct	*-968.24*	
11 61 43 00-0100	PR	Two 20' x 14' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	5,132.37	89.82
		For 14 Oz Fabric, Deduct	*-742.91*	
11 61 43 00-0101	PR	Two 20' x 16' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	5,682.68	89.82
		For 14 Oz Fabric, Deduct	*-825.45*	
11 61 43 00-0102	PR	Two 20' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	6,688.22	107.78
		For 14 Oz Fabric, Deduct	*-970.90*	
11 61 43 00-0103	PR	Two 20' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	7,711.59	107.78
		For 14 Oz Fabric, Deduct	*-1,124.40*	
11 61 43 00-0104	PR	Two 25' x 14' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	6,158.91	112.33
		For 14 Oz Fabric, Deduct	*-890.15*	
11 61 43 00-0105	PR	Two 25' x 16' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	6,828.20	112.33
		For 14 Oz Fabric, Deduct	*-990.55*	
11 61 43 00-0106	PR	Two 25' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	8,226.04	134.73
		For 14 Oz Fabric, Deduct	*-1,193.49*	
11 61 43 00-0107	PR	Two 25' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	9,594.87	134.73
		For 14 Oz Fabric, Deduct	*-1,398.81*	
11 61 43 00-0108	PR	Two 30' x 17' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	8,910.07	161.69
		For 14 Oz Fabric, Deduct	*-1,288.01*	
11 61 43 00-0109	PR	Two 30' x 20' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	10,431.36	161.69
		For 14 Oz Fabric, Deduct	*-1,516.20*	
11 61 43 00-0110	PR	Two 30' x 24' Panels, Bi-Parting, Rear Cyclorama Curtain, Stage Curtain	12,507.95	161.69
		For 14 Oz Fabric, Deduct	*-1,827.69*	

11 61 43 00-0111 Four Panel, Bi-Parting, Side Cyclorama Curtain, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0112	2PR	Four 5' x 15' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	3,956.83	44.91
		For 14 Oz Fabric, Deduct	*-580.05*	
11 61 43 00-0113	2PR	Four 5' x 18' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	4,346.61	53.89
		For 14 Oz Fabric, Deduct	*-635.82*	
11 61 43 00-0114	2PR	Four 5' x 21' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	4,724.16	53.89
		For 14 Oz Fabric, Deduct	*-692.46*	
11 61 43 00-0115	2PR	Four 5' x 24' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	5,118.07	53.89
		For 14 Oz Fabric, Deduct	*-751.54*	
11 61 43 00-0116	2PR	Four 5' x 28' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	6,105.16	53.89
		For 14 Oz Fabric, Deduct	*-899.61*	
11 61 43 00-0117	2PR	Four 7' x 15' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	5,004.11	62.87
		For 14 Oz Fabric, Deduct	*-731.75*	
11 61 43 00-0118	2PR	Four 7' x 18' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	5,415.97	75.45
		For 14 Oz Fabric, Deduct	*-789.76*	
11 61 43 00-0119	2PR	Four 7' x 21' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	5,846.50	75.45
		For 14 Oz Fabric, Deduct	*-854.34*	
11 61 43 00-0120	2PR	Four 7' x 24' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	6,516.58	75.45
		For 14 Oz Fabric, Deduct	*-954.85*	
11 61 43 00-0121	2PR	Four 7' x 28' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	7,474.12	75.45
		For 14 Oz Fabric, Deduct	*-1,098.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0122	2PR	Four 10' x 15' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	5,950.39	89.82
		For 14 Oz Fabric, Deduct	*-865.61*	
11 61 43 00-0123	2PR	Four 10' x 18' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	6,521.74	107.78
		For 14 Oz Fabric, Deduct	*-945.92*	
11 61 43 00-0124	2PR	Four 10' x 21' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	7,265.61	107.78
		For 14 Oz Fabric, Deduct	*-1,057.50*	
11 61 43 00-0125	2PR	Four 10' x 24' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	7,949.57	107.78
		For 14 Oz Fabric, Deduct	*-1,160.10*	
11 61 43 00-0126	2PR	Four 10' x 28' Panels, Bi-Parting, Side Cyclorama Curtain, Stage Curtain	9,759.84	107.78
		For 14 Oz Fabric, Deduct	*-1,431.64*	

11 61 43 00-0127 Two Panel, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0128	PR	Two 9' x 15' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	2,966.22	40.48
		For 14 Oz Fabric, Deduct	*-432.81*	
11 61 43 00-0129	PR	Two 9' x 18' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	3,250.10	48.51
		For 14 Oz Fabric, Deduct	*-472.96*	
11 61 43 00-0130	PR	Two 9' x 21' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	3,585.60	48.51
		For 14 Oz Fabric, Deduct	*-523.29*	
11 61 43 00-0131	PR	Two 9' x 24' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	3,964.02	48.51
		For 14 Oz Fabric, Deduct	*-580.05*	
11 61 43 00-0132	PR	Two 9' x 28' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	4,420.10	48.51
		For 14 Oz Fabric, Deduct	*-648.46*	
11 61 43 00-0133	PR	Two 13' x 15' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	4,132.51	58.44
		For 14 Oz Fabric, Deduct	*-602.36*	
11 61 43 00-0134	PR	Two 13' x 18' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	4,676.38	70.06
		For 14 Oz Fabric, Deduct	*-680.44*	
11 61 43 00-0135	PR	Two 13' x 21' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	5,269.13	70.06
		For 14 Oz Fabric, Deduct	*-769.35*	
11 61 43 00-0136	PR	Two 13' x 24' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	5,862.70	70.06
		For 14 Oz Fabric, Deduct	*-858.39*	
11 61 43 00-0137	PR	Two 13' x 28' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	6,604.67	70.06
		For 14 Oz Fabric, Deduct	*-969.68*	
11 61 43 00-0138	PR	Two 19' x 15' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	5,123.39	85.39
		For 14 Oz Fabric, Deduct	*-742.91*	
11 61 43 00-0139	PR	Two 19' x 18' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	5,782.19	102.40
		For 14 Oz Fabric, Deduct	*-836.61*	
11 61 43 00-0140	PR	Two 19' x 21' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	6,477.77	102.40
		For 14 Oz Fabric, Deduct	*-940.95*	
11 61 43 00-0141	PR	Two 19' x 24' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	7,157.69	102.40
		For 14 Oz Fabric, Deduct	*-1,042.94*	
11 61 43 00-0142	PR	Two 19' x 28' Panels, 1-Way Draw, Side Cyclorama Curtain, Stage Curtain	8,290.87	102.40
		For 14 Oz Fabric, Deduct	*-1,212.91*	

11 61 43 00-0143 One Panel, Cyclorama Curtain, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0144	EA	One 28' x 16' Panel, Cyclorama Curtain, Stage Curtain	3,721.97	62.87
		For 14 Oz Fabric, Deduct	*-539.43*	
11 61 43 00-0145	EA	One 28' x 18' Panel, Cyclorama Curtain, Stage Curtain	3,994.36	75.45
		For 14 Oz Fabric, Deduct	*-576.52*	
11 61 43 00-0146	EA	One 28' x 20' Panel, Cyclorama Curtain, Stage Curtain	4,207.89	75.45
		For 14 Oz Fabric, Deduct	*-608.55*	
11 61 43 00-0147	EA	One 32' x 16' Panel, Cyclorama Curtain, Stage Curtain	4,048.18	71.86
		For 14 Oz Fabric, Deduct	*-585.67*	
11 61 43 00-0148	EA	One 32' x 18' Panel, Cyclorama Curtain, Stage Curtain	4,345.35	86.23
		For 14 Oz Fabric, Deduct	*-625.93*	
11 61 43 00-0149	EA	One 32' x 20' Panel, Cyclorama Curtain, Stage Curtain	4,577.18	86.23
		For 14 Oz Fabric, Deduct	*-660.71*	
11 61 43 00-0150	EA	One 36' x 16' Panel, Cyclorama Curtain, Stage Curtain	4,334.58	80.84
		For 14 Oz Fabric, Deduct	*-625.93*	
11 61 43 00-0151	EA	One 36' x 18' Panel, Cyclorama Curtain, Stage Curtain	4,653.79	97.01
		For 14 Oz Fabric, Deduct	*-668.97*	
11 61 43 00-0152	EA	One 36' x 20' Panel, Cyclorama Curtain, Stage Curtain	4,901.56	97.01
		For 14 Oz Fabric, Deduct	*-706.13*	
11 61 43 00-0153	EA	One 44' x 16' Panel, Cyclorama Curtain, Stage Curtain	5,042.81	98.80
		For 14 Oz Fabric, Deduct	*-726.78*	
11 61 43 00-0154	EA	One 44' x 18' Panel, Cyclorama Curtain, Stage Curtain	5,415.44	118.57
		For 14 Oz Fabric, Deduct	*-776.75*	
11 61 43 00-0155	EA	One 44' x 20' Panel, Cyclorama Curtain, Stage Curtain	5,703.13	118.57
		For 14 Oz Fabric, Deduct	*-819.90*	
11 61 43 00-0156	EA	One 50' x 16' Panel, Cyclorama Curtain, Stage Curtain	5,455.18	112.33
		For 14 Oz Fabric, Deduct	*-784.59*	
11 61 43 00-0157	EA	One 50' x 18' Panel, Cyclorama Curtain, Stage Curtain	5,859.69	134.73
		For 14 Oz Fabric, Deduct	*-838.53*	
11 61 43 00-0158	EA	One 50' x 20' Panel, Cyclorama Curtain, Stage Curtain	6,170.26	134.73
		For 14 Oz Fabric, Deduct	*-885.12*	

11 61 43 00-0159 One Panel, Border Tab, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0160	EA	25' x 3' Border Tab, Stage Curtain	1,911.96	56.17
		For 14 Oz Fabric, Deduct	*-269.94*	
11 61 43 00-0161	EA	25' x 6' Border Tab, Stage Curtain	2,328.42	56.17
		For 14 Oz Fabric, Deduct	*-332.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0162	EA	25' x 9' Border Tab, Stage Curtain	2,799.60	56.17
		For 14 Oz Fabric, Deduct	*-403.09*	
11 61 43 00-0163	EA	28' x 3' Border Tab, Stage Curtain	2,074.13	62.87
		For 14 Oz Fabric, Deduct	*-292.26*	
11 61 43 00-0164	EA	28' x 6' Border Tab, Stage Curtain	2,535.18	62.87
		For 14 Oz Fabric, Deduct	*-361.41*	
11 61 43 00-0165	EA	28' x 9' Border Tab, Stage Curtain	3,074.73	62.87
		For 14 Oz Fabric, Deduct	*-442.35*	
11 61 43 00-0166	EA	30' x 3' Border Tab, Stage Curtain	2,216.96	67.42
		For 14 Oz Fabric, Deduct	*-312.33*	
11 61 43 00-0167	EA	30' x 6' Border Tab, Stage Curtain	2,722.66	67.42
		For 14 Oz Fabric, Deduct	*-388.19*	
11 61 43 00-0168	EA	30' x 9' Border Tab, Stage Curtain	3,302.25	67.42
		For 14 Oz Fabric, Deduct	*-475.13*	
11 61 43 00-0169	EA	33' x 3' Border Tab, Stage Curtain	2,349.48	74.14
		For 14 Oz Fabric, Deduct	*-330.18*	
11 61 43 00-0170	EA	33' x 6' Border Tab, Stage Curtain	2,929.52	74.14
		For 14 Oz Fabric, Deduct	*-417.19*	
11 61 43 00-0171	EA	33' x 9' Border Tab, Stage Curtain	3,561.31	74.14
		For 14 Oz Fabric, Deduct	*-511.96*	
11 61 43 00-0172	EA	35' x 3' Border Tab, Stage Curtain	2,551.81	78.57
		For 14 Oz Fabric, Deduct	*-359.18*	
11 61 43 00-0173	EA	35' x 6' Border Tab, Stage Curtain	3,131.87	78.57
		For 14 Oz Fabric, Deduct	*-446.19*	
11 61 43 00-0174	EA	35' x 9' Border Tab, Stage Curtain	3,805.02	78.57
		For 14 Oz Fabric, Deduct	*-547.17*	
11 61 43 00-0175	EA	40' x 3' Border Tab, Stage Curtain	2,923.37	89.82
		For 14 Oz Fabric, Deduct	*-411.56*	
11 61 43 00-0176	EA	40' x 6' Border Tab, Stage Curtain	3,587.72	89.82
		For 14 Oz Fabric, Deduct	*-511.21*	
11 61 43 00-0177	EA	40' x 8' Border Tab, Stage Curtain	4,683.36	89.82
		For 14 Oz Fabric, Deduct	*-675.56*	
11 61 43 00-0178	EA	40' x 10' Border Tab, Stage Curtain	5,810.18	89.82
		For 14 Oz Fabric, Deduct	*-844.58*	
11 61 43 00-0179	EA	45' x 3' Border Tab, Stage Curtain	3,288.69	101.08
		For 14 Oz Fabric, Deduct	*-462.98*	
11 61 43 00-0180	EA	45' x 6' Border Tab, Stage Curtain	4,035.86	101.08
		For 14 Oz Fabric, Deduct	*-575.06*	
11 61 43 00-0181	EA	45' x 8' Border Tab, Stage Curtain	5,268.91	101.08
		For 14 Oz Fabric, Deduct	*-760.01*	
11 61 43 00-0182	EA	45' x 10' Border Tab, Stage Curtain	6,535.95	101.08
		For 14 Oz Fabric, Deduct	*-950.07*	
11 61 43 00-0183	EA	50' x 3' Border Tab, Stage Curtain	3,653.86	112.33
		For 14 Oz Fabric, Deduct	*-514.40*	
11 61 43 00-0184	EA	50' x 6' Border Tab, Stage Curtain	4,485.33	112.33
		For 14 Oz Fabric, Deduct	*-639.12*	
11 61 43 00-0185	EA	50' x 8' Border Tab, Stage Curtain	5,855.09	112.33
		For 14 Oz Fabric, Deduct	*-844.58*	
11 61 43 00-0186	EA	50' x 10' Border Tab, Stage Curtain	7,262.34	112.33
		For 14 Oz Fabric, Deduct	*-1,055.67*	
11 61 43 00-0187	EA	55' x 3' Border Tab, Stage Curtain	4,019.18	123.48
		For 14 Oz Fabric, Deduct	*-565.82*	
11 61 43 00-0188	EA	55' x 6' Border Tab, Stage Curtain	4,932.79	123.48
		For 14 Oz Fabric, Deduct	*-702.86*	
11 61 43 00-0189	EA	55' x 8' Border Tab, Stage Curtain	6,439.92	123.48
		For 14 Oz Fabric, Deduct	*-928.93*	
11 61 43 00-0190	EA	55' x 10' Border Tab, Stage Curtain	7,988.13	123.48
		For 14 Oz Fabric, Deduct	*-1,161.16*	

11 61 43 00-0191 Four Panel, Bi-Parting, Tormentor Curtain, Stage Curtain *(11 61 43 00-0002)*

11 61 43 00-0192	2PR	Four 3' x 15' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	3,593.70	26.95
		For 14 Oz Fabric, Deduct	*-530.97*	
11 61 43 00-0193	2PR	Four 3' x 18' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	3,931.68	32.34
		For 14 Oz Fabric, Deduct	*-580.05*	
11 61 43 00-0194	2PR	Four 3' x 21' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	4,268.24	32.34
		For 14 Oz Fabric, Deduct	*-630.54*	
11 61 43 00-0195	2PR	Four 3' x 24' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	4,605.50	32.34
		For 14 Oz Fabric, Deduct	*-681.12*	
11 61 43 00-0196	2PR	Four 3' x 28' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	5,037.19	32.34
		For 14 Oz Fabric, Deduct	*-745.88*	
11 61 43 00-0197	2PR	Four 5' x 15' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	3,956.83	44.91
		For 14 Oz Fabric, Deduct	*-580.05*	
11 61 43 00-0198	2PR	Four 5' x 18' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	4,346.61	53.89
		For 14 Oz Fabric, Deduct	*-635.82*	
11 61 43 00-0199	2PR	Four 5' x 21' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	4,737.65	53.89
		For 14 Oz Fabric, Deduct	*-694.48*	
11 61 43 00-0200	2PR	Four 5' x 24' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	5,128.87	53.89
		For 14 Oz Fabric, Deduct	*-753.16*	
11 61 43 00-0201	2PR	Four 5' x 28' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	5,641.50	53.89
		For 14 Oz Fabric, Deduct	*-830.06*	
11 61 43 00-0202	2PR	Four 7' x 15' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	5,004.11	62.87
		For 14 Oz Fabric, Deduct	*-731.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0203	2PR	Four 7' x 18' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	5,415.97	75.45
		For 14 Oz Fabric, Deduct	*-789.76*	
11 61 43 00-0204	2PR	Four 7' x 21' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	5,981.40	75.45
		For 14 Oz Fabric, Deduct	*-874.58*	
11 61 43 00-0205	2PR	Four 7' x 24' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	6,516.58	75.45
		For 14 Oz Fabric, Deduct	*-954.85*	
11 61 43 00-0206	2PR	Four 7' x 28' Panels, Bi-Parting, Tormentor Curtain, Stage Curtain	7,009.52	75.45
		For 14 Oz Fabric, Deduct	*-1,028.79*	
11 61 43 00-0207		**Two Panel, 1-Way Draw, Tormentor Curtain, Stage Curtain** *(11 61 43 00-0002)*		
11 61 43 00-0208	PR	Two 4' x 15' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	1,932.01	21.55
		For 14 Oz Fabric, Deduct	*-283.33*	
11 61 43 00-0209	PR	Two 4' x 18' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,110.48	21.55
		For 14 Oz Fabric, Deduct	*-310.10*	
11 61 43 00-0210	PR	Two 4' x 21' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,312.19	21.55
		For 14 Oz Fabric, Deduct	*-340.36*	
11 61 43 00-0211	PR	Two 4' x 24' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,514.54	21.55
		For 14 Oz Fabric, Deduct	*-370.71*	
11 61 43 00-0212	PR	Two 4' x 28' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,784.35	21.55
		For 14 Oz Fabric, Deduct	*-411.18*	
11 61 43 00-0213	PR	Two 6' x 15' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,388.96	26.95
		For 14 Oz Fabric, Deduct	*-350.26*	
11 61 43 00-0214	PR	Two 6' x 18' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,652.60	32.34
		For 14 Oz Fabric, Deduct	*-388.19*	
11 61 43 00-0215	PR	Two 6' x 21' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,908.42	32.34
		For 14 Oz Fabric, Deduct	*-426.56*	
11 61 43 00-0216	PR	Two 6' x 24' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	3,164.74	32.34
		For 14 Oz Fabric, Deduct	*-465.01*	
11 61 43 00-0217	PR	Two 6' x 28' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	3,502.00	32.34
		For 14 Oz Fabric, Deduct	*-515.60*	
11 61 43 00-0218	PR	Two 8' x 15' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	2,957.24	35.93
		For 14 Oz Fabric, Deduct	*-432.81*	
11 61 43 00-0219	PR	Two 8' x 18' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	3,488.48	43.12
		For 14 Oz Fabric, Deduct	*-510.34*	
11 61 43 00-0220	PR	Two 8' x 21' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	3,798.76	43.12
		For 14 Oz Fabric, Deduct	*-556.88*	
11 61 43 00-0221	PR	Two 8' x 24' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	4,109.03	43.12
		For 14 Oz Fabric, Deduct	*-603.42*	
11 61 43 00-0222	PR	Two 8' x 28' Panels, 1-Way Draw, Tormentor Curtain, Stage Curtain	4,513.74	43.12
		For 14 Oz Fabric, Deduct	*-664.13*	
11 61 43 00-0223		**Two Panel, Side Leg Curtain, Stage Curtain** *(11 61 43 00-0002)*		
11 61 43 00-0224	PR	Two 3' x 15' Panels, Side Leg Curtain, Stage Curtain	1,796.85	13.53
		For 14 Oz Fabric, Deduct	*-265.49*	
11 61 43 00-0225	PR	Two 3' x 18' Panels, Side Leg Curtain, Stage Curtain	1,965.84	16.17
		For 14 Oz Fabric, Deduct	*-290.03*	
11 61 43 00-0226	PR	Two 3' x 21' Panels, Side Leg Curtain, Stage Curtain	2,153.01	16.17
		For 14 Oz Fabric, Deduct	*-318.10*	
11 61 43 00-0227	PR	Two 3' x 24' Panels, Side Leg Curtain, Stage Curtain	2,341.88	16.17
		For 14 Oz Fabric, Deduct	*-346.43*	
11 61 43 00-0228	PR	Two 3' x 28' Panels, Side Leg Curtain, Stage Curtain	2,611.68	16.17
		For 14 Oz Fabric, Deduct	*-386.90*	
11 61 43 00-0229	PR	Two 5' x 15' Panels, Side Leg Curtain, Stage Curtain	1,978.41	22.51
		For 14 Oz Fabric, Deduct	*-290.03*	
11 61 43 00-0230	PR	Two 5' x 18' Panels, Side Leg Curtain, Stage Curtain	2,180.74	26.95
		For 14 Oz Fabric, Deduct	*-319.03*	
11 61 43 00-0231	PR	Two 5' x 21' Panels, Side Leg Curtain, Stage Curtain	2,382.31	26.95
		For 14 Oz Fabric, Deduct	*-349.26*	
11 61 43 00-0232	PR	Two 5' x 24' Panels, Side Leg Curtain, Stage Curtain	2,584.67	26.95
		For 14 Oz Fabric, Deduct	*-379.62*	
11 61 43 00-0233	PR	Two 5' x 28' Panels, Side Leg Curtain, Stage Curtain	2,854.47	26.95
		For 14 Oz Fabric, Deduct	*-420.09*	
11 61 43 00-0234	PR	Two 7' x 15' Panels, Side Leg Curtain, Stage Curtain	2,502.07	31.50
		For 14 Oz Fabric, Deduct	*-365.88*	
11 61 43 00-0235	PR	Two 7' x 18' Panels, Side Leg Curtain, Stage Curtain	2,707.97	37.72
		For 14 Oz Fabric, Deduct	*-394.88*	
11 61 43 00-0236	PR	Two 7' x 21' Panels, Side Leg Curtain, Stage Curtain	2,935.39	37.72
		For 14 Oz Fabric, Deduct	*-428.99*	
11 61 43 00-0237	PR	Two 7' x 24' Panels, Side Leg Curtain, Stage Curtain	3,164.73	37.72
		For 14 Oz Fabric, Deduct	*-463.39*	
11 61 43 00-0238	PR	Two 7' x 28' Panels, Side Leg Curtain, Stage Curtain	3,503.34	37.72
		For 14 Oz Fabric, Deduct	*-514.18*	
11 61 43 00-0239		**Hard Masking** *(11 61 43 00-0001)*		
11 61 43 00-0240	SF	Temporary Hard Masking 1/4" B/C Plywood With 1" x 2" Frame, 2 Coats Primer, 3 Coats Paint	7.43	
		For Applied Muslin Covering, Add	*4.30*	
11 61 43 00-0241	SF	Permanent Hard Masking 3/4" B/C FP Plywood With 1" x 2" Frame, 1 Coat Primer, 2 Coats Paint	7.69	
		For Applied Muslin Covering, Add	*4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 61 43 00-0242		**Stage Curtain Surcharges** *(11 61 43 00-0001)*		
11 61 43 00-0243	EA	Pattern Surcharge (Full Size Paper Template), For Curved Proscenium Valance Or Custom Cut-outs (Decorative Plaster) Note: One (1) crew day (with two (2) person crew).	1,916.21	
11 61 43 00-0244	EA	Install New Wall Mounted "Flame-Resistance Certificate" With Aluminum Frame And 1/8" Lexan Cover	43.12	
11 61 43 00-0245		**Curtain And Rigging Inspection, Report, And Repairs** *(11 61 43)*		
11 61 43 00-0246		**Curtain, Drape, and Rigging Inspection And Report** *(11 61 43 00-0245)* Note: Includes all line sets (a line set is any flown or dead hung batten or load), all battens, cables, chains, loft and head blocks, counterweights, winches, guide systems, hand locks, rope locks, projection screens, and all auditorium curtains and window hardware and drapes. All inspected items shall be identified in the report as OK, INCORRECT, or DEFECTIVE and a recommendation made for correction or replacement. The report shall also include other obvious conditions observed such as non-working electrical lights, switches, etc. and suspected structural problems, for inspection and correction by others. Includes ladders. Excludes scaffolding, scissor lifts, man lifts, or other lifting equipment.		
11 61 43 00-0247	EA	Up To 5 Line Sets, Up To 22' High Steel, Curtain, Drape, and Rigging Inspection And Report	1,916.21	
11 61 43 00-0248	EA	>5 To 10 Line Sets, Up To 22' High Steel, Curtain, Drape, And Rigging Inspection And Report	2,874.32	
11 61 43 00-0249	EA	>10 To 20 Line Sets, Up To 22' High Steel, Curtain, Drape, And Rigging Inspection And Report	3,832.42	
11 61 43 00-0250	EA	>20 To 30 Line Sets, Up To 22' High Steel, Curtain, Drape, And Rigging Inspection And Report	4,790.53	
11 61 43 00-0251	EA	Up To 5 Line Sets, >22' To 35' High Steel, Curtain, Drape, And Rigging Inspection And Report	2,874.32	
11 61 43 00-0252	EA	>5 To 10 Line Sets, >22' To 35' High Steel, Curtain, Drape, And Rigging Inspection And Report	3,832.42	
11 61 43 00-0253	EA	>10 To 20 Line Sets, >22' To 35' High Steel, Curtain, Drape, And Rigging Inspection And Report	4,790.53	
11 61 43 00-0254	EA	>20 To 30 Line Sets, >22' To 35' High Steel, Curtain, Drape, And Rigging Inspection And Report	5,748.63	
11 61 43 00-0255	EA	Up To 5 Line Sets, >35' To 50' High Steel, Curtain, Drape, And Rigging Inspection And Report	3,832.42	
11 61 43 00-0256	EA	>5 To 10 Line Sets, >35' To 50' High Steel, Curtain, Drape, And Rigging Inspection And Report	4,790.53	
11 61 43 00-0257	EA	>10 To 20 Line Sets, >35' To 50' High Steel, Curtain, Drape, And Rigging Inspection And Report	5,748.63	
11 61 43 00-0258	EA	>20 To 30 Line Sets, >35' To 50' High Steel, Curtain, Drape, And Rigging Inspection And Report	6,706.74	
11 61 43 00-0259		**Miscellaneous Tasks Including Labor and Material** *(11 61 43 00-0245)*		
11 61 43 00-0260	EA	Sample And Test Curtain Material And Certify As Inherently Flame Resistant, Flame Proofed, Or Not Treated	179.65	
11 61 43 00-0261	EA	Minimum Charge For Independent Company To Sample And Test Curtain Material And Certify As Inherently Flame Resistant, Flame Proofed, Or Not Treated	1,003.41	
11 61 43 00-0262	SF	Removal And Replacement Of Disturbed Fireproofing Material On Ceiling, Beams, etc.	74.13	

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001		**Fitness Systems** *(11 66 13)*		
11 66 13 00-0002		**Components For Physical Fitness Activities** *(11 66 13 00-0001)*		
11 66 13 00-0003	EA	Sit And Reach	1,505.26	120.40
11 66 13 00-0004	EA	Isometric Squat	561.71	48.16
11 66 13 00-0005	EA	Log Jump	3,625.48	192.63
11 66 13 00-0006	EA	Step Up	824.87	96.31
11 66 13 00-0007	EA	Hip Rotation	3,972.46	168.56
11 66 13 00-0008	EA	Body Curl	1,474.67	96.31
11 66 13 00-0009	EA	Horizontal Ladder	4,802.15	192.63
11 66 13 00-0010	EA	Chin Up	3,643.05	192.63
11 66 13 00-0011	EA	Push Up	2,221.06	96.31
11 66 13 00-0012	EA	Leg Raise	3,107.68	144.48
11 66 13 00-0013	EA	Log Hop	1,404.69	48.16
11 66 13 00-0014	EA	Parallel Bar	2,989.14	144.48
11 66 13 00-0015	EA	Leg Stretch	1,263.92	96.31
11 66 13 00-0016	EA	Balance Beam	1,132.34	72.23
11 66 13 00-0017	EA	Log Roll	3,560.03	120.40
11 66 13 00-0018		**Wall Mounted Equipment** *(11 66 13)*		
11 66 13 00-0019	SET	Parallel Bars, Wall Mounted	5,032.75	730.07
11 66 13 00-0020	EA	Exercise Ladder, Wall Mounted	3,603.04	15.21
11 66 13 00-0021		**Ballet Equipment** *(11 66 13)*		
11 66 13 00-0022		**Wall Mounted Ballet Bars** *(11 66 13 00-0021)*		
11 66 13 00-0023	EA	Maple, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	496.47	28.55
11 66 13 00-0024	EA	Poplar, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	450.51	28.55
11 66 13 00-0025	EA	Oak, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	473.49	28.55
11 66 13 00-0026	EA	Maple, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	772.19	28.55
11 66 13 00-0027	EA	Poplar, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	967.50	28.55
11 66 13 00-0028	EA	Oak, Adjustable, Single, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bar With Brackets	749.22	28.55
11 66 13 00-0029	EA	Bracket For 1-1/2" Single Ballet Bar	117.35	14.28
		For Floor Attachment Leg, Add	*21.78*	
11 66 13 00-0030	EA	Maple, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets	677.17	49.97
11 66 13 00-0031	EA	Poplar, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets	631.22	49.97
11 66 13 00-0032	EA	Oak, Double, 1-1/2" Diameter, 11' Length, Wall Mounted Ballet Bars With Brackets	654.19	49.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 13 00-0033	EA	Bracket For 1-1/2" Double Ballet Bars	167.25	21.42
		For Floor Attachment Leg, Add	*23.92*	
11 66 13 00-0034		Wall Mounted Ballet Mirrors *(11 66 13 00-0021)*		
11 66 13 00-0035	EA	2' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	717.05	35.70
11 66 13 00-0036	EA	2' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,075.08	35.70
11 66 13 00-0037	EA	3' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,104.06	34.27
11 66 13 00-0038	EA	3' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,614.91	34.27
11 66 13 00-0039	EA	4' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,675.55	39.98
11 66 13 00-0040	EA	4' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,728.47	39.98
11 66 13 00-0041	EA	5' x 6' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,583.04	45.69
11 66 13 00-0042	EA	5' x 8' Acrylic In Aluminum Frame Wall Mounted Ballet Mirror	1,644.39	45.69
11 66 23		**Gymnasium Equipment** *(11 66)*		
11 66 23 13		**Basketball Equipment** *(11 66 23)*		
11 66 23 13-0001		Basketball Equipment *(11 66 23 13)*		
11 66 23 13-0002	EA	4' To 6' Extention, Wall Mounted, Stationary Basketball Backstop System With 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 312F46) Note: Includes rim and net.	4,651.30	1,095.10
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0003	EA	6' Ceiling Mounted Basketball Backstop Wood, Fixed Type, With Support Structure Note: Includes rim and net.	7,373.58	1,095.10
		For Glass Backstop, Add	*500.00*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0004	EA	Ceiling Mounted Basketball Backstop Wood, Swing-up Type (Either Forward Or Backward), With Support Structure Note: Includes rim and net.	9,028.01	1,460.13
		For Glass Backstop, Add	*500.00*	
		For Electrically Operated, Add	*2,575.17*	
		For Fiberglass Backstop, Add	*200.00*	
11 66 23 13-0005	EA	72" x 42" x 1/2", Center-Strut® Rectangular Glass Backboard (Porter Athletic 00208-00) Note: For indoor use. Includes fully tempered glass.	2,089.56	304.19
11 66 23 13-0006	EA	48" Recreational Backboard Pad (Porter Athletic 00324-648)	292.56	30.42
11 66 23 13-0007	EA	54" Recreational Backboard Pad (Porter Athletic 00324-654)	326.32	36.50
11 66 23 13-0008	EA	72" Recreational Backboard Pad (Porter Athletic 00324-672)	354.31	42.59
11 66 23 13-0009	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	40.25	12.17
11 66 23 23		**Volleyball Equipment** *(11 66 23)*		
11 66 23 23-0001	EA	Economy End Upright Padding, Each, Wrap Around Pads Only Note: Porter Athletic model # 717-003.	916.35	76.26
11 66 23 23-0002	EA	Net Tension Cover Pads, 1 Pair Note: Porter Athletic model # 00816-003.	206.17	17.16
11 66 23 23-0003	EA	32' L x 39" H Power Volleyball Net Note: Porter Athletic model # 02255-000.	675.80	56.25
11 66 23 23-0004	EA	White Polyester Reinforced Boundary Markers, One Pair Note: Porter Athletic model # 02297-000.	118.47	5.48
11 66 23 23-0005	EA	Power-Line Net Antenna, One Pair Note: Porter Athletic model # 02296-100.	407.93	11.56
11 66 23 23-0006	EA	32' x 39" Power-Line Competition Volleyball Net Note: Porter Athletic model # 02295-640.	763.12	54.75
11 66 23 23-0007	EA	Competition Center Standard Padding, Standard Red Note: Porter Athletic model # 00839-103.	744.73	24.34
		For Colors Other Than Standard Red, Add *Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.*	*22.00*	
11 66 23 23-0008	EA	Judge's Stand, Attaches To Standard Note: Porter Athletic model # 00889-100.	1,496.82	60.84
11 66 23 23-0009	EA	Judge's Stand Padding Note: Porter Athletic model # 00993-103.	1,062.48	30.42
		For Colors Other Than Standard Red, Add *Note: Includes sky blue, royal blue, white, orange, yellow, beige, gray, maroon, purple, black, navy, kelly green, dark green.*	*30.00*	
11 66 23 23-0010	EA	Power-Line Aluminum Uprights, One Pair Note: Porter Athletic model # 01991-000.	4,309.34	60.84
11 66 23 23-0011	EA	2-3/8" Round Ground/Floor Sleeve Note: Porter Athletic model # 00402-000.	248.63	5.48
11 66 23 23-0012	EA	3-1/2" Round Ground/Floor Sleeve Note: Porter Athletic model # 00403-000.	288.24	5.48
11 66 23 23-0013	EA	4" Round Ground/Floor Sleeve Note: Porter Athletic model # 00404-000.	310.88	5.48
11 66 23 53		**Wall Padding** *(11 66 23)*		
11 66 23 53-0001		Gymnasium Wall Padding *(11 66 23 53)* Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 23 53-0002	SF	2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	18.00	2.35
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.65*	
11 66 23 53-0003	SF	3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe) Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.	24.05	2.60
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.65*	
11 66 23 53-0004	SF	2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	27.72	2.35
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.65*	
11 66 23 53-0005	SF	3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe)	43.29	2.60
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.65*	
11 66 23 53-0006	SF	2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	35.35	2.35
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.65*	
11 66 23 53-0007	SF	3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe)	52.41	2.60
		For Furring Strip Installation (Vinyl Wrapped At Ends), Add	*6.65*	

11 66 23 53-0008 Gymnasium Wall Padding Accessories *(11 66 23 53)*

11 66 23 53-0009	LF	"Z" Wall/Panel Attachment Clips For Wall Pads Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.	11.68	3.43
11 66 23 53-0010	LF	Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.	17.45	3.43
11 66 23 53-0011	LF	Floor Molding Channel Wall Attachment For Wall Pads Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.	18.18	3.43
11 66 23 53-0012	EA	Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads	59.67	

11 66 43 Interior Scoreboards *(11 66)*

11 66 43 00-0001 Scoreboards *(11 66 43)*

11 66 43 00-0002	EA	8' x 3' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2700) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	5,612.03	339.00
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*975.04*	
11 66 43 00-0003	EA	8' x 6' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2750) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	8,178.45	564.99
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*975.04*	
11 66 43 00-0004	EA	12' x 8' x 8", Multi-Sport LED Scoreboard With Wired Controls (Nevco Model 2760) Note: For basketball, volleyball or wrestling. Includes horn and controls. Excludes wire to controls.	12,868.04	677.99
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
		For Wireless Controls, Add	*975.04*	
11 66 43 00-0005	EA	9' Long x 5' High x 4" Deep Indoor Multi-Sport Scoreboard (Fair-Play BB-1620-4)	9,660.28	564.99
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	
11 66 43 00-0006	EA	1.66' Long x 1.41' High x 6.5" Deep Shot Clock Set (Fair-Play ST-1410-4) Note: Set includes two shot clocks.	4,020.22	225.99
		For Scoreboard Only, No Controls, Deduct	*-321.00*	
		For Control Carrying Case, Add	*59.00*	

11 66 53 Gymnasium Dividers *(11 66)*

11 66 53 11 Gymnasium Dividers *(11 66 53)*

11 66 53 11-0001 Gymnasium Dividers *(11 66 53 11)*

11 66 53 11-0002	SF	Gym Divider, Manual Mesh Top And Vinyl Bottom	9.09	1.43
11 66 53 11-0003	SF	Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom	15.89	1.43

11 68 Play Field Equipment and Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	304.42	65.03
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	465.70	65.03

11 68 13 00-0005 See-Saws *(11 68 13 00-0001)*

11 68 13 00-0006 Steel See-Saw *(11 68 13 00-0005)*

11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,557.42	400.19
11 68 13 00-0008	EA	4 Unit Steel See-Saw	4,133.82	472.92
11 68 13 00-0009	EA	6 Unit Steel See-Saw	5,727.97	578.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0010		**14' Long Laminated Beam** *(11 68 13 00-0005)*		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,712.09	353.85
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,882.05	315.21
11 68 13 00-0013		**Slides** *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	3,015.76	457.60
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	4,228.17	650.28
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	4,683.17	722.53
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	5,865.81	800.37
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	18,500.69	1,259.03
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	18,127.45	1,298.83
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	22,786.59	1,365.11
11 68 13 00-0021		**Whirlers** *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	6,873.78	867.04
11 68 13 00-0023	EA	10' Diameter Whirler	7,984.19	1,040.45
11 68 13 00-0024		**Other Standalone Playground Equipment** *(11 68 13 00-0001)*		
11 68 13 00-0025		**Miscellaneous Standalone Playground Equipment** *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	2,186.97	231.64
11 68 13 00-0027	EA	Tether Ball Post	371.94	45.28
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	568.26	80.06
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	9,825.44	226.20
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	699.18	120.87
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	944.58	144.48
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,273.53	192.63
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,862.11	264.87
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,948.63	110.28
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,145.41	119.05
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	2,099.31	127.62
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,924.20	109.80
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	3,593.81	143.80
11 68 13 00-0039	EA	Coil Spring Assembly Only	534.36	52.88
11 68 13 00-0040	EA	"C" Spring Assembly Only	355.07	35.25
11 68 13 00-0041	EA	Rubber Spring Assembly Only	276.33	68.77
11 68 13 00-0042	EA	Footbuck Assembly Only	92.28	9.24
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,386.09	132.24
11 68 13 00-0044		**Freestanding Panels** *(11 68 13 00-0024)*		
		Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA	Tic-Tac-Toe Panel	1,016.03	56.63
11 68 13 00-0046	EA	24" Bubble Panel	1,522.07	84.86
11 68 13 00-0047	EA	Fire Engine Panel	2,233.69	124.54
11 68 13 00-0048	EA	Flat Mirror Panel	1,786.96	99.68
11 68 13 00-0049	EA	Wavy Mirror Panel	2,644.83	147.56
11 68 13 00-0050	EA	Paint Time Panel	1,715.78	95.74
11 68 13 00-0051	EA	Phone Time Panel	1,217.66	67.90
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,217.66	67.90
11 68 13 00-0053	EA	Race Time Panel	2,134.85	119.05
11 68 13 00-0054	EA	Rescue 911 Panel	2,166.46	119.05
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	1,166.27	65.01
11 68 13 00-0056	EA	Career People Panel	1,324.39	73.88
11 68 13 00-0057	EA	Solar System Panel	1,324.39	73.88
11 68 13 00-0058	EA	Animals Panel	1,324.39	73.88
11 68 13 00-0059		**Freestanding Panels Uprights** *(11 68 13 00-0024)*		
11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	316.37	31.79
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	342.76	34.38
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	342.76	34.38
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	364.73	36.60
11 68 13 00-0064		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	7,855.45	385.27
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	8,788.29	481.58
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	12,703.28	577.89
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	14,451.81	722.37
11 68 13 00-0069		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	1,454.99	257.36
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,327.49	315.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,440.19	257.36
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,546.92	315.14
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,655.85	257.07
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,853.42	257.17
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	2,156.11	257.17
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,354.01	257.07
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,839.54	300.98
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	2,310.68	224.75
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,343.98	224.75
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,564.47	224.75
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,417.82	288.95
11 68 13 00-0083	EA	2-Way Climber	2,029.93	231.64
11 68 13 00-0084	EA	4-Way Climber	3,226.83	231.64

11 68 13 00-0085 Swings *(11 68 13 00-0001)*

11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	1,911.26	353.85
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*222.05*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*250.18*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	3,049.43	506.35
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*355.89*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*407.19*	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	4,219.73	745.08
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*491.97*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*560.99*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	5,287.51	867.04
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*617.58*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*708.50*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	2,038.81	353.85
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*237.99*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*272.50*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	3,187.33	539.30
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*370.71*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*419.28*	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	4,401.78	837.46
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*510.33*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*570.84*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	5,830.72	1,011.55
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*678.24*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*767.39*	

11 68 13 00-0095 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	2,188.14	312.52
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*257.89*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*304.79*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	3,175.92	453.47
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*374.32*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*442.42*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	4,237.09	606.45
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*499.31*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*589.88*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	5,294.39	722.53
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*625.67*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*745.86*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	2,467.61	352.21
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*290.84*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*343.79*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	2,577.37	373.51
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*304.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*362.08*	
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	3,444.90	493.06
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*405.96*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*479.58*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	4,144.27	568.39
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*490.96*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*589.85*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	4,585.57	655.97
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*540.40*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*638.48*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	5,710.63	722.82
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*677.70*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*818.70*	
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	5,816.24	867.04
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*683.67*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*801.03*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	2,695.66	382.55
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*318.73*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*380.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	4,385.19	615.51
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*518.83*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*620.81*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	6,387.84	985.82
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*750.31*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*877.03*	
11 68 13 00-0110		**Swing Accessories** *(11 68 13 00-0085)*		
11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	641.22	29.04
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	533.06	24.15
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	567.84	25.78
11 68 13 00-0114	EA	Seat With Chain And Hardware	560.11	25.40
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	591.23	26.83
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,765.30	80.03
11 68 13 00-0117	LF	0.4 Lb./LF Replacement Chain	7.37	0.57
11 68 13 00-0118	LF	1 Lb./LF Replacement Chain	13.70	1.15
11 68 13 00-0119	EA	Swing Hanger Replacement	80.06	6.61
11 68 13 00-0120		**Playground Equipment (Columbia Cascade)** *(11 68 13)*		
		Note: Excludes excavation and concrete.		
11 68 13 00-0121	EA	Curved Balance Beam (Columbia Cascade 1628-12-12)	1,430.35	120.90
11 68 13 00-0122	EA	Kid Mixer (Columbia Cascade 1630-2-21-PL)	3,404.85	287.80
11 68 13 00-0123	EA	Kid Spinner (Columbia Cascade 1630-5-22-PL)	3,414.78	287.80
11 68 13 00-0124	EA	Spiral Spinner (Columbia Cascade 1630-6-11-PL)	5,457.09	461.33
11 68 13 00-0125	EA	Whirlarround (Columbia Cascade 1630-6-12-PL)	7,027.37	594.14
11 68 13 00-0126	EA	Parallel Bars (Columbia Cascade 1695)	1,134.95	95.97
11 68 13 00-0127	EA	Interplay Structure (Columbia Cascade 7800-02-M)	59,172.91	5,002.54
11 68 13 00-0128	EA	Interplay Structure (Columbia Cascade 7800-06-M)	77,857.97	5,116.94
11 68 13 00-0129	EA	Interplay Structure (Columbia Cascade 7807-M1)	36,069.66	3,049.35
11 68 13 00-0130	EA	Interplay Structure (Columbia Cascade 7807-M2)	31,763.08	2,685.33
11 68 13 00-0131	EA	Interplay Structure (Columbia Cascade 7807-M3)	22,667.93	1,916.34
11 68 13 00-0132	EA	Interplay Structure (Columbia Cascade 7879-M)	56,700.90	4,793.62
11 68 13 00-0133	EA	Pipeline Play Structure (Columbia Cascade 9813-M)	24,891.17	2,104.32
11 68 13 00-0134	EA	Pipeline Structure (Columbia Cascade 9826-M)	28,809.09	2,435.58
11 68 13 00-0135	EA	Pipeline Play Structure (Columbia Cascade 9834-M)	53,000.65	4,480.77
11 68 13 00-0136	EA	Pipeline Play Structure (Columbia Cascade 9839-M)	68,516.82	5,792.49
11 68 13 00-0137	EA	Pipeline Play Structure (Columbia Cascade 9843-M)	69,231.99	5,852.94
11 68 13 00-0138	EA	Pipeline Play Structure (Columbia Cascade 9856-M)	70,304.75	5,943.61
11 68 13 00-0139	EA	Pipeline Play Structure (Columbia Cascade 9878-M)	82,866.96	7,005.70
11 68 13 00-0140		**Playground Equipment (GameTime)** *(11 68 13)*		
11 68 13 00-0141		**Playground Equipment (GameTime Models 200 To 8538)** *(11 68 13 00-0140)*		
11 68 13 00-0142	EA	Four Seat Buck-A-Bout (GameTime 200)	3,420.39	551.56
11 68 13 00-0143	EA	5 Goose/Brkaway Wh Alum (GameTime 201SS)	2,727.58	450.07
11 68 13 00-0144	EA	4 Goose/Dbl Wh Alum (GameTime 203SS)	2,468.17	407.05
11 68 13 00-0145	EA	5 Goose/Dbl Rim Wh Alum (GameTime 205SS)	2,519.53	415.87
11 68 13 00-0146	EA	Top (GameTime 211)	10.96	2.21
11 68 13 00-0147	EA	Clevis (GameTime 213)	9.03	1.11
11 68 13 00-0148	EA	Two Seat Buck-A-Bout (GameTime 243)	3,836.06	521.77
11 68 13 00-0149	EA	Hi Sch Goose Goalposts-Wh (GameTime 250SS)	11,344.35	1,872.00
11 68 13 00-0150	EA	Hi Sch Goose Goalposts-Yw (GameTime 251SS)	11,344.35	1,872.00
11 68 13 00-0151	EA	Two-Leg Portable Bench, 6' (GameTime 252)	1,214.82	200.77
11 68 13 00-0152	EA	Two-Leg Portable Bench, 8' (GameTime 253)	1,425.43	234.97
11 68 13 00-0153	EA	Elephant Only (GameTime 271)	1,510.22	318.80
11 68 13 00-0154	EA	Pelican Only (GameTime 274)	1,510.22	318.80
11 68 13 00-0155	EA	Donkey Only (GameTime 275)	1,510.22	318.80
11 68 13 00-0156	EA	Rocket Only (GameTime 276)	1,510.22	318.80
11 68 13 00-0157	EA	Pony Only (GameTime 279)	1,510.22	318.80
11 68 13 00-0158	EA	Whale Animal Only (GameTime 283)	2,332.53	318.80
11 68 13 00-0159	EA	Whirl With Mechanical Brake (GameTime 325)	4,446.18	956.40
11 68 13 00-0160	EA	Frog Only (GameTime 359)	1,510.22	318.80
11 68 13 00-0161	EA	Swampy Only (GameTime 360)	1,510.22	318.80
11 68 13 00-0162	EA	Bumble Bee Only (GameTime 361)	1,510.22	318.80
11 68 13 00-0163	EA	Chicken Only (GameTime 387)	1,510.22	318.80
11 68 13 00-0164	EA	Duck Only (GameTime 388)	1,510.22	318.80
11 68 13 00-0165	EA	Stallion Only (GameTime 391)	1,510.22	318.80
11 68 13 00-0166	EA	Porpoise Only (GameTime 393)	1,510.22	318.80
11 68 13 00-0167	EA	Mini Bike Assembly (GameTime 396)	1,510.22	318.80
11 68 13 00-0168	EA	Critter Climber (GameTime 402)	4,520.14	1,062.30
11 68 13 00-0169	EA	Galvanized Steel Net-Pair (GameTime 421)	114.61	25.37
11 68 13 00-0170	EA	Super Goal With Steel Net (GameTime 423)	301.06	65.09
11 68 13 00-0171	EA	Double Rim Goal With Cloth Net (GameTime 454)	276.94	61.77
11 68 13 00-0172	EA	Cantilevered Post With 32" Extension (GameTime 459)	695.91	152.23
11 68 13 00-0173	EA	Cantilevered Post With 48" Extension (GameTime 460)	925.13	202.98
11 68 13 00-0174	EA	Cantilevered Post With 72" Extension (GameTime 479)	1,605.13	351.89
11 68 13 00-0175	EA	Bunker Hill 4-Way Climber (GameTime P554)	3,890.54	913.38
11 68 13 00-0176	EA	Curved Balance Beam (GameTime 564)	961.71	217.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0177	EA	Satellite Climber Painted (GameTime P607)	4,579.19	1,066.71
11 68 13 00-0178	EA	Space Module (GameTime 618)	5,662.66	1,330.36
11 68 13 00-0179	EA	Dome Climber (GameTime 655)	1,916.59	450.07
11 68 13 00-0180	EA	Eagle's Perch (GameTime 657)	4,798.14	1,127.39
11 68 13 00-0181	EA	Super Goal With Nylon Net (GameTime 664)	248.42	54.06
11 68 13 00-0182	EA	5' Portable Bike Rack (GameTime 705)	563.73	119.13
11 68 13 00-0183	EA	5' Permanent Bike Rack (GameTime 707)	563.73	119.13
11 68 13 00-0184	EA	10' Portable Bike Rack (GameTime 710)	923.11	195.25
11 68 13 00-0185	EA	10' Permanent Bike Rack (GameTime 711)	923.11	195.25
11 68 13 00-0186	EA	20' Portable Bike Rack (GameTime 720)	1,836.70	388.30
11 68 13 00-0187	EA	20' Permanent Bike Rack (GameTime 721)	1,836.70	388.30
11 68 13 00-0188	EA	30' Portable Bike Rack (GameTime 730)	2,750.28	580.24
11 68 13 00-0189	EA	30' Permanent Bike Rack (GameTime 731)	2,750.28	580.24
11 68 13 00-0190	EA	T-Frame Swing Painted (GameTime P831)	2,344.25	510.74
11 68 13 00-0191	EA	Steel Rectangular Backboard (GameTime 853)	1,164.22	253.72
11 68 13 00-0192	EA	Cast Aluminum Fan Shaped Backboard (GameTime 854)	1,423.61	312.18
11 68 13 00-0193	EA	Ultimate Front Mount Goal (GameTime 873)	643.26	141.20
11 68 13 00-0194	EA	Heavy-Duty Flex Goal (GameTime 874)	592.26	130.16
11 68 13 00-0195	EA	Scrambler Whirl With Mechanical Brake (GameTime 895)	3,740.89	805.28
11 68 13 00-0196	EA	Rainbow Climber Painted (GameTime P910)	1,678.28	394.91
11 68 13 00-0197	EA	Whirl With Hydraulic Brake (GameTime 919)	8,584.31	1,848.83
11 68 13 00-0198	EA	Giant Muscle Man Climber Painted (GameTime P954)	8,964.96	2,106.96
11 68 13 00-0199	EA	Muscle Man Painted (GameTime P9630	5,009.94	1,178.13
11 68 13 00-0200	EA	Deluxe Mountain Climber Painted (GameTime P988)	5,148.54	1,211.23
11 68 13 00-0201	EA	Super Seat-2 (GameTime 999)	237.27	50.74
11 68 13 00-0202	EA	Belt Seat (GameTime 1047)	174.93	36.40
11 68 13 00-0203	EA	Graduated Balance Beam (GameTime 1313)	1,164.44	264.75
11 68 13 00-0204	EA	2686 Enclosed Tot Seat , 3-1/2" Outside Diameter (GameTime 1470)	691.92	113.63
11 68 13 00-0205	EA	2955 Belt Seat 3-1/2" Outside Diameter (GameTime 1483)	579.91	95.97
11 68 13 00-0206	EA	Pogo Pole (GameTime 1525)	1,669.97	377.27
11 68 13 00-0207	EA	Ragin' Rotator (GameTime 1526)	1,779.00	402.64
11 68 13 00-0208	EA	Upper Body Trainer (GameTime 1981)	2,799.03	634.29
11 68 13 00-0209	EA	Saddle Seat (GameTime 2313)	273.09	58.47
11 68 13 00-0210	EA	Rainbow Arch (GameTime 3087)	2,213.79	500.81
11 68 13 00-0211	EA	Super Mini 1 (GameTime 3129)	16,111.65	3,353.49
11 68 13 00-0212	EA	Omnitri Net (GameTime 3137)	60,484.40	9,978.83
11 68 13 00-0213	EA	KidNetix Apollo (GameTime 3140)	40,256.15	6,641.89
11 68 13 00-0214	EA	KidNetix Eclipse (GameTime 3144)	93,348.86	15,400.67
11 68 13 00-0215	EA	High Stepper Regular (GameTime 3173)	34,805.65	7,244.19
11 68 13 00-0216	EA	High Stepper Medium (GameTime 3174)	51,662.89	10,754.32
11 68 13 00-0217	EA	Two Towers Regular (GameTime 3175)	63,742.33	13,270.55
11 68 13 00-0218	EA	Fourtress Courtyard (GameTime 3176)	147,502.57	30,708.67
11 68 13 00-0219	EA	High Stepper Mini (GameTime 3177)	29,614.47	6,164.23
11 68 13 00-0220	EA	High Stepper Large (GameTime 3178)	80,638.04	16,788.39
11 68 13 00-0221	EA	Trident Regular (GameTime 3179)	90,775.62	18,898.66
11 68 13 00-0222	EA	Fourtress (GameTime 3182)	119,501.41	24,877.58
11 68 13 00-0223	EA	Hexamid Regular (GameTime 3185)	44,356.61	9,235.33
11 68 13 00-0224	EA	2 To 5 Age Appropriate Sign (GameTime 3778)	825.01	199.66
11 68 13 00-0225	EA	5 To 12 Age Appropriate Sign (GameTime 3779)	883.49	206.28
11 68 13 00-0226	EA	Playcurbs With Color Option (GameTime 3781)	184.43	39.71
11 68 13 00-0227	EA	Playcurbs - Black (GameTime 3783)	151.54	33.10
11 68 13 00-0228	EA	Curved Playcurb Package (GameTime 3790)	235.53	50.74
11 68 13 00-0229	EA	Curved Playcurb Package - Black (GameTime 3791)	200.89	43.02
11 68 13 00-0230	EA	2' Playcurb Package (GameTime 3792)	122.10	25.37
11 68 13 00-0231	EA	2' Playcurb Package - Black (GameTime 3793)	115.16	25.37
11 68 13 00-0232	EA	Balance Beam (GameTime 4625)	479.29	104.79
11 68 13 00-0233	EA	Therapeutic Balance Beam (GameTime 4626)	1,194.38	261.44
11 68 13 00-0234	EA	Parallel Bar 30" (GameTime 4627)	716.74	155.54
11 68 13 00-0235	EA	Parallel Bar 36" (GameTime 4628)	731.01	159.96
11 68 13 00-0236	EA	Parallel Bar 40" (GameTime 4629)	745.26	163.26
11 68 13 00-0237	EA	Parallel Bar 46" (GameTime 4630)	815.45	177.60
11 68 13 00-0238	EA	Parallel Bar 50" (GameTime 4631)	831.36	180.91
11 68 13 00-0239	EA	Parallel Bar 54" (GameTime 4632)	843.96	185.32
11 68 13 00-0240	EA	Parallel Bar 58" (GameTime 4633)	858.23	188.63
11 68 13 00-0241	EA	Click Wheel Assembly (GameTime 4839)	166.97	27.56
11 68 13 00-0242	EA	Answer Wheel Assembly (GameTime 4840)	462.97	76.12
11 68 13 00-0243	EA	Maze Wheel Assembly (GameTime 4841)	204.86	50.74
11 68 13 00-0244	EA	Echo Chamber Assembly (GameTime 4842)	199.17	32.88
11 68 13 00-0245	EA	Flat Mirror Assembly (GameTime 4843)	279.66	68.39
11 68 13 00-0246	EA	Bubble Mirror Assembly (GameTime 4844)	290.14	47.77
11 68 13 00-0247	EA	Stained Glass Assembly - Red (GameTime 4845)	128.70	33.10
11 68 13 00-0248	EA	Stained Glass Assembly - Yellow (GameTime 4846)	128.70	33.10
11 68 13 00-0249	EA	Hypo Wheel Assembly (GameTime 4847)	268.02	44.13
11 68 13 00-0250	EA	8" Playcurb Package - Black (GameTime 4850)	85.72	17.65
11 68 13 00-0251	EA	8" Playcurb Package (GameTime 4851)	115.16	25.37
11 68 13 00-0252	EA	Playcurb ADApter-L-Black (GameTime 4852)	156.74	33.10
11 68 13 00-0253	EA	Playcurb ADApter-R-Black (GameTime 4853)	156.74	33.10
11 68 13 00-0254	EA	Accessible Playcurb - Black (GameTime 4854)	717.01	152.23
11 68 13 00-0255	EA	Accessible Playcurb (GameTime 4855)	997.59	210.69
11 68 13 00-0256	EA	Playcurb ADApter-L (GameTime 4856)	173.19	36.40
11 68 13 00-0257	EA	Playcurb ADApter-R (GameTime 4857)	173.19	36.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0258	EA	Access Playcurb With ADApter - Black (GameTime 4858)	788.02	166.57
11 68 13 00-0259	EA	Access Playcurb With ADApter (GameTime 4859)	1,342.23	282.40
11 68 13 00-0260	EA	12" Playcurb Package Black (GameTime 4860)	83.99	17.65
11 68 13 00-0261	EA	12" Playcurb Package (GameTime 4861)	120.37	25.37
11 68 13 00-0262	EA	Inground Mount For Spring Rider (GameTime 4880)	209.57	43.02
11 68 13 00-0263	EA	Van Spring Rider (GameTime 4881)	1,508.48	318.80
11 68 13 00-0264	EA	Fire Truck Spring Rider (GameTime 4882)	1,508.48	318.80
11 68 13 00-0265	EA	Dump Truck Spring Rider (GameTime 4883)	1,508.48	318.80
11 68 13 00-0266	EA	Coil Spring Mounted (GameTime 4888)	291.83	61.77
11 68 13 00-0267	EA	Rubber Spring Loose Fill (GameTime 4889)	563.73	119.13
11 68 13 00-0268	EA	" C" Spring Surface Mount (GameTime 4890)	271.90	58.47
11 68 13 00-0269	EA	Coil Spring Mounted Loose Fill (GameTime 4891)	412.20	87.15
11 68 13 00-0270	EA	Rubber Spring (GameTime 4892)	432.11	90.46
11 68 13 00-0271	EA	" C" Spring-Loose Fill (GameTime 4893)	395.74	83.84
11 68 13 00-0272	EA	Skyrun Zipline 100' (GameTime 5112)	32,912.65	5,429.56
11 68 13 00-0273	EA	Cantilver Swing Single (Belt Seats) (GameTime 5119)	13,867.44	2,287.87
11 68 13 00-0274	EA	Xscape Swing Aab 3 1/2" X 8' (GameTime 5148)	1,851.77	305.56
11 68 13 00-0275	EA	Express Swing With Todd Seat 3 1/2" x 8' (GameTime 5158)	3,623.84	597.89
11 68 13 00-0276	EA	Express Swing With Todd Seat 5" x 8' (GameTime 5159)	3,623.84	597.89
11 68 13 00-0277	EA	Expression Swing w Adaptive Seat 3 1/2 (GameTime 5165)	4,470.08	737.98
11 68 13 00-0278	EA	Expression Swing w Adaptive Seat 5" (GameTime 5166)	4,470.08	737.98
11 68 13 00-0279	EA	Dinosaur Saddlemate Jurassic Green (GameTime 6051)	1,964.00	413.67
11 68 13 00-0280	EA	Two Seater Fire Chief (GameTime 6054)	1,973.51	416.98
11 68 13 00-0281	EA	Race Car Saddlemate (GameTime 6056)	1,973.51	416.98
11 68 13 00-0282	EA	Police Car Saddlemate (GameTime 6057)	1,973.51	416.98
11 68 13 00-0283	EA	Two Seater Jeep (GameTime 6058)	1,973.51	416.98
11 68 13 00-0284	EA	Two Seater Taxi (GameTime 6059)	1,973.51	416.98
11 68 13 00-0285	EA	Dinosaur Saddlemate Purple (GameTime 6063)	1,973.51	416.98
11 68 13 00-0286	EA	Jumbo Flyer (GameTime 6064)	1,973.51	416.98
11 68 13 00-0287	EA	Dinosaur In Ground Mount (GameTime 6065)	743.86	155.54
11 68 13 00-0288	EA	Spring Pod (GameTime 6067)	4,644.14	1,090.99
11 68 13 00-0289	EA	Balance Pod (GameTime 6068)	2,632.93	619.96
11 68 13 00-0290	EA	Xcelerator (GameTime 6069)	3,781.31	888.01
11 68 13 00-0291	EA	Space Whirl (GameTime 6118)	10,704.65	2,306.63
11 68 13 00-0292	EA	Spring Mini Pod (GameTime 6140)	556.45	130.16
11 68 13 00-0293	EA	Mini Pod Toad Stool (GameTime 6141)	381.88	90.46
11 68 13 00-0294	EA	Whirlwind Seat Tilted (GameTime 6142)	1,080.37	253.72
11 68 13 00-0295	EA	Whirlwind Seat Straight (GameTime 6143)	1,019.67	239.38
11 68 13 00-0296	EA	Backhoe Digger (GameTime 6199)	1,485.52	337.55
11 68 13 00-0297	EA	Sky Runner (GameTime 6200)	3,591.93	844.99
11 68 13 00-0298	EA	Tilted Sky Runner (GameTime 6201)	5,671.33	1,334.78
11 68 13 00-0299	EA	Mini Sky Runner (GameTime 6202)	1,863.34	439.04
11 68 13 00-0300	EA	Shadow Play Sky Runner (GameTime 6237)	11,943.58	1,970.17
11 68 13 00-0301	EA	Shadow Play Flower (GameTime 6238)	9,881.81	1,630.42
11 68 13 00-0302	EA	Shadow Play Tri Runner (GameTime 6242)	30,661.84	5,058.91
11 68 13 00-0303	EA	Space Loop Climb (GameTime 6415)	4,377.44	1,030.31
11 68 13 00-0304	EA	Wum Climber (GameTime 6484)	8,638.61	2,030.85
11 68 13 00-0305	EA	Star Gazer (GameTime 6486)	4,701.65	1,106.43
11 68 13 00-0306	EA	2 Way Coaster Climber (GameTime 6487)	2,517.39	591.27
11 68 13 00-0307	EA	Space Arch (GameTime 6510)	1,576.10	369.54
11 68 13 00-0308	EA	Li'l Wum Climber (GameTime 6584)	5,229.63	1,228.88
11 68 13 00-0309	EA	4 Way Coaster Climber (GameTime 6587)	4,798.14	1,127.39
11 68 13 00-0310	EA	Choo-Choo Climber (GameTime 7000)	9,597.75	2,255.88
11 68 13 00-0311	EA	Caboose Climber (GameTime 7001)	9,949.57	2,338.62
11 68 13 00-0312	EA	Fire Engine Climber (GameTime 7002)	11,122.35	2,614.40
11 68 13 00-0313	EA	Spiral Game (GameTime 7035)	2,485.70	561.49
11 68 13 00-0314	EA	Solar System Game (GameTime 7036)	2,573.18	583.55
11 68 13 00-0315	EA	Multi-Directional TaLink Tube (GameTime 7037)	1,403.02	329.84
11 68 13 00-0316	EA	Telescope (GameTime 7038)	1,448.91	340.87
11 68 13 00-0317	EA	Kaleidoscope (GameTime 7039)	1,540.67	362.92
11 68 13 00-0318	EA	4' Chimney (GameTime 7040)	2,097.13	493.10
11 68 13 00-0319	EA	8' Chimney (GameTime 7041)	4,317.11	1,014.87
11 68 13 00-0320	EA	4' Vertical Wall (GameTime 7042)	1,484.37	348.59
11 68 13 00-0321	EA	8' Vertical Wall (GameTime 7043)	2,894.88	681.73
11 68 13 00-0322	EA	4' Corner (GameTime 7044)	984.22	231.65
11 68 13 00-0323	EA	8' Corner (GameTime 7045)	1,753.83	413.67
11 68 13 00-0324	EA	4' Transition Wall Left (GameTime 7046)	1,198.83	282.40
11 68 13 00-0325	EA	4' Transition Wall Right (GameTime 7047)	1,064.11	250.41
11 68 13 00-0326	EA	8' Transition Wall Left (GameTime 7048)	2,390.16	561.49
11 68 13 00-0327	EA	8' Transition Wall Right (GameTime 7049)	2,838.59	667.39
11 68 13 00-0328	EA	4' Volcano Climber (GameTime 7050)	5,310.10	1,247.63
11 68 13 00-0329	EA	6' Volcano Climber (GameTime 7051)	8,606.05	2,023.12
11 68 13 00-0330	EA	8' Volcano Climber (GameTime 7052)	11,693.27	2,748.98
11 68 13 00-0331	EA	4' Hi Ribbon Wall (GameTime 7053)	6,662.85	1,566.43
11 68 13 00-0332	EA	8' Hi Ribbon Wall (GameTime 7054)	12,735.28	2,994.98
11 68 13 00-0333	EA	4' " S" Wall Climber (GameTime 7055)	4,546.53	1,070.03
11 68 13 00-0334	EA	8' " S" Wall Climber (GameTime 7056)	10,054.97	2,363.99
11 68 13 00-0335	EA	8' Chimney Overhang (GameTime 7057)	2,217.06	521.77
11 68 13 00-0336	EA	8' Vertical Wall Overhang (GameTime 7058)	1,676.87	394.91
11 68 13 00-0337	EA	4' End Strut (GameTime 7061)	264.88	61.77
11 68 13 00-0338	EA	8' End Strut (GameTime 7062)	473.64	112.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0339	EA	6' Cosmix Climber, (GameTime 7063)	2,332.40	547.15
11 68 13 00-0340	EA	8' Cosmix Climber, (GameTime 7064)	2,393.09	561.49
11 68 13 00-0341	EA	6' Cosmix Arch, (GameTime 7065)	4,059.53	953.10
11 68 13 00-0342	EA	8' Cosmix Arch, (GameTime 7066)	4,136.50	971.85
11 68 13 00-0343	EA	6' Cosmix Station, (GameTime 7067)	5,813.37	1,366.77
11 68 13 00-0344	EA	8' Cosmix Station (GameTime 7068)	5,863.63	1,377.79
11 68 13 00-0345	EA	Soft Step (GameTime 7099)	569.80	134.59
11 68 13 00-0346	EA	9 Position Loop Rack Flush Mount (GameTime F7700)	682.37	144.51
11 68 13 00-0347	EA	9 Position Loop Bike Rack (GameTime 7700)	570.67	119.13
11 68 13 00-0348	EA	7 Position Loop Rack Flush Mount (GameTime F7702)	603.57	126.86
11 68 13 00-0349	EA	7 Position Loop Bike Rack (GameTime 7702)	497.93	104.79
11 68 13 00-0350	EA	5 Position Loop Rack Flush Mount (GameTime F7703)	478.00	101.49
11 68 13 00-0351	EA	5 Position Loop Bike Rack (GameTime 7703)	366.30	76.12
11 68 13 00-0352	EA	Plain Bollard Bike Rack Inground (GameTime 8350)	341.18	72.80
11 68 13 00-0353	EA	Double Bollard Bike Rack Inground (GameTime 8352)	432.11	90.46
11 68 13 00-0354	EA	Plain Bollard Bike Rack (GameTime 8354)	374.09	79.42
11 68 13 00-0355	EA	Double Bollard Bike Rack (GameTime 8356)	465.02	98.17
11 68 13 00-0356	EA	Enclosed Tot Seat (GameTime 8520)	346.39	72.80
11 68 13 00-0357	EA	Adaptive Swing With Rungs, 2-3/8" (GameTime 8530)	1,269.52	268.06
11 68 13 00-0358	EA	Adaptive Swing With Chain, 2-3/8" (GameTime 8531)	926.58	195.25
11 68 13 00-0359	EA	Adaptive Swing With Coated Chain, 2-3/8" (GameTime 8532)	1,079.86	228.35
11 68 13 00-0360	EA	Single Tower Challenge (GameTime 8533)	18,675.88	4,391.53
11 68 13 00-0361	EA	Adaptive Swing With Rungs, 3-1/2" (GameTime 8536)	1,269.52	268.06
11 68 13 00-0362	EA	Adaptive Swing With Chain, 3-1/2" (GameTime 8537)	926.58	195.25
11 68 13 00-0363	EA	Adaptive Swing With Coated Chain, 3-1/2" (GameTime 8538)	1,079.86	228.35
11 68 13 00-0364	EA	GT Stockcar (GameTime 8658)	2,648.11	558.17

11 68 13 00-0365 Playground Equipment (GameTime Models 8659 To 16809) *(11 68 13 00-0140)*

11 68 13 00-0366	EA	Safety Belt - GT Stockcar (GameTime 8659)	107.38	22.06
11 68 13 00-0367	EA	WaLinking The Plank (GameTime 8662)	2,083.18	471.03
11 68 13 00-0368	EA	Inchworm Climber (GameTime 8665)	2,402.72	543.84
11 68 13 00-0369	EA	90 Degree Caterpillar (GameTime 8666)	2,055.62	482.07
11 68 13 00-0370	EA	Swivel Meister (GameTime 8671)	1,929.86	453.38
11 68 13 00-0371	EA	Log Roll (GameTime 8674)	1,597.67	362.92
11 68 13 00-0372	EA	Side Stepper (GameTime 8683)	2,533.81	594.59
11 68 13 00-0373	EA	Side Stepper (GameTime 8687)	3,073.76	721.45
11 68 13 00-0374	EA	Super Seat-2 With Clevis (GameTime 8690)	257.18	54.06
11 68 13 00-0375	EA	Belt Seat With Clevis (GameTime 8691)	176.67	36.40
11 68 13 00-0376	EA	Enclosed Tot Seat With Clevis (GameTime 8693)	392.27	83.84
11 68 13 00-0377	EA	Double Tower (GameTime 8694)	34,610.64	8,136.61
11 68 13 00-0378	EA	Enclosed Tot Seat With Clevis, 2-3/8" (GameTime CC8695)	756.85	159.96
11 68 13 00-0379	EA	Enclosed Tot Seat With Clevis, 2-3/8" (GameTime 8695)	621.77	130.16
11 68 13 00-0380	EA	Enclosed Tot Seat With Clevis, 3-1/2" (GameTime CC8696)	775.03	163.26
11 68 13 00-0381	EA	Enclosed Tot Seat With Clevis, 3-1/2" (GameTime 8696)	639.95	134.59
11 68 13 00-0382	EA	Climber Base 5", CSC (GameTime 8755)	5,942.04	1,395.45
11 68 13 00-0383	EA	Climber Base 3 1/2", CSC (GameTime 8756)	5,942.04	1,395.45
11 68 13 00-0384	EA	Arch Climber, CSC (GameTime 8770)	1,405.94	329.84
11 68 13 00-0385	EA	Bubble Climber, CSC (GameTime 8771)	1,432.64	337.55
11 68 13 00-0386	EA	Chain Link Climber, CSC (GameTime 8772)	1,277.25	301.15
11 68 13 00-0387	EA	Chain Net Climber With Rails, CSC (GameTime 8773)	1,972.82	464.41
11 68 13 00-0388	EA	Chain Net Climber, CSC (GameTime 8774)	1,493.33	351.89
11 68 13 00-0389	EA	Clover Climber, CSC (GameTime 8775)	1,676.87	394.91
11 68 13 00-0390	EA	Corkscrew Climber, CSC (GameTime 8777)	1,355.67	318.80
11 68 13 00-0391	EA	Crazy Eight Climber, CSC (GameTime 8778)	1,540.67	362.92
11 68 13 00-0392	EA	Spiny Arch Climber, CSC (GameTime 8779)	1,590.94	373.96
11 68 13 00-0393	EA	Tree Climber, CSC (GameTime 8780)	1,327.52	312.18
11 68 13 00-0394	EA	Wavy Tree Climber, CSC (GameTime 8781)	1,512.52	355.21
11 68 13 00-0395	EA	Zipper Climber, CSC (GameTime 8782)	1,883.98	442.35
11 68 13 00-0396	EA	Climbing Pole, CSC (GameTime 8783)	833.23	195.25
11 68 13 00-0397	EA	Super Seat-2 With Clevis, 2-3/8" (GameTime 8904)	532.56	112.52
11 68 13 00-0398	EA	Super Seat-2 With Clevis, 2-3/8" (GameTime 8905)	549.02	115.83
11 68 13 00-0399	EA	Super Seat-2 With Clevis, 3-1/2" (GameTime 8906)	550.75	115.83
11 68 13 00-0400	EA	Super Seat-2 With Clevis, 3-1/2" (GameTime 8907)	567.20	119.13
11 68 13 00-0401	EA	Belt Seat With Clevis, 2-3/8" (GameTime CC8908)	585.39	123.55
11 68 13 00-0402	EA	Belt Seat With Clevis, 2-3/8" (GameTime 8908)	450.30	93.76
11 68 13 00-0403	EA	Belt Seat With Clevis, 2-3/8" (GameTime CC8909)	621.77	130.16
11 68 13 00-0404	EA	Belt Seat With Clevis, 2-3/8" (GameTime 8909)	466.76	98.17
11 68 13 00-0405	EA	Belt Seat With Clevis, 3-1/2" (GameTime CC8910)	603.57	126.86
11 68 13 00-0406	EA	Belt Seat With Clevis, 3-1/2" (GameTime 8910)	579.90	95.64
11 68 13 00-0407	EA	Belt Seat With Clevis, 3-1/2" (GameTime CC8911)	639.95	134.59
11 68 13 00-0408	EA	Belt Seat With Clevis, 3-1/2" (GameTime 8911)	484.94	101.49
11 68 13 00-0409	EA	Handi-Swing Seat, 2-3/8" (GameTime 8912)	1,996.93	420.29
11 68 13 00-0410	EA	Handi-Swing Seat, 3-1/2" (GameTime 8913)	2,015.06	424.70
11 68 13 00-0411	EA	Enclosed Tot Seat (GameTime CC8914)	793.23	166.57
11 68 13 00-0412	EA	Enclosed Tot Seat (GameTime 8914)	685.84	144.51
11 68 13 00-0413	EA	Super Seat-2 (GameTime 8917)	596.63	126.86
11 68 13 00-0414	EA	Belt Seat (GameTime CC8918)	649.46	137.89
11 68 13 00-0415	EA	Belt Seat (GameTime 8918)	514.38	109.21
11 68 13 00-0416	EA	Super Seat, 2-3/8" (GameTime CC8924)	667.65	141.20
11 68 13 00-0417	EA	Super Seat, 2-3/8" (GameTime CC8925)	704.02	148.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0418	EA	Super Seat, 3-1/2" (GameTime CC8926)	685.84	144.51
11 68 13 00-0419	EA	Super Seat-2, 3-1/2" (GameTime CC8927)	722.20	152.23
11 68 13 00-0420	EA	Super Seat-2, 2-3/8" (GameTime CC8929)	725.68	152.23
11 68 13 00-0421	EA	Castle Rock (GameTime 8930)	29,475.32	6,928.70
11 68 13 00-0422	EA	Around The Bend (GameTime 8931)	23,506.52	5,525.53
11 68 13 00-0423	EA	Tot Rock (GameTime 8932)	11,382.51	2,676.17
11 68 13 00-0424	EA	Handi-Swing Seat, 2-3/8" (GameTime 9802)	1,940.55	409.26
11 68 13 00-0425	EA	Handi-Swing Seat, 3-1/2" (GameTime 9803)	1,958.80	413.67
11 68 13 00-0426	EA	8' Toss'N Score - Clowns (GameTime 9815)	1,774.04	388.30
11 68 13 00-0427	EA	8' Toss'N Score - Silhouette (GameTime 9816)	1,611.71	351.89
11 68 13 00-0428	EA	10' Toss'N Score - Clowns (GameTime 9817)	1,861.77	405.95
11 68 13 00-0429	EA	10' Toss'N Score - Silhouette (GameTime 9818)	1,705.49	373.96
11 68 13 00-0430	EA	Sandbox, Elevated (GameTime 9835)	1,989.50	450.07
11 68 13 00-0431	EA	8' Toss'N Score With Numbers (GameTime 9847)	1,431.83	312.18
11 68 13 00-0432	EA	10' Toss'N Score With Numbers (GameTime 9849)	1,525.61	333.14
11 68 13 00-0433	EA	Backhoe Digger - Wheelchair Access (GameTime 9899)	1,485.52	337.55
11 68 13 00-0434	EA	Adaptive Swing Seat (GameTime 10178)	1,292.87	272.47
11 68 13 00-0435	EA	Single Place HandiSwing (GameTime 10390)	6,437.60	1,406.48
11 68 13 00-0436	EA	Single Add-A-Bay HandiSwing (GameTime 10391)	4,680.72	1,022.60
11 68 13 00-0437	EA	Single Post Swing (GameTime 10740)	1,638.62	358.51
11 68 13 00-0438	EA	Single Post Add-A-Bay (GameTime 10741)	1,146.68	250.41
11 68 13 00-0439	EA	Toad Stool Seat (GameTime 10768)	576.09	130.16
11 68 13 00-0440	EA	Tire Swing (GameTime 10777)	5,972.28	1,304.99
11 68 13 00-0441	EA	Tire Swing Add-A-Bay (GameTime 10778)	4,347.32	949.78
11 68 13 00-0442	EA	Two-Place Swing (GameTime 10847)	4,464.02	975.16
11 68 13 00-0443	EA	Two-Place Swing Add-A-Bay (GameTime 10848)	2,949.12	645.33
11 68 13 00-0444	EA	Stepping Stones - 3 Step (GameTime 10967)	1,635.37	383.88
11 68 13 00-0445	EA	Stepping Stones - 5 Step (GameTime 10968)	2,714.29	638.70
11 68 13 00-0446	EA	3-1/2" Upright Assembly, Aluminum 8' (GameTime 12023)	452.77	75.01
11 68 13 00-0447	EA	3-1/2" Upright Assembly, Aluminum 9' (GameTime 12024)	503.07	82.73
11 68 13 00-0448	EA	Instructional Sign Frame (GameTime 13100)	764.45	166.57
11 68 13 00-0449	EA	Welcome Sign (GameTime 13101)	762.81	166.57
11 68 13 00-0450	EA	Heart Check Sign (GameTime 13102)	762.81	166.57
11 68 13 00-0451	EA	Exercise Series Sign 1 (GameTime 13103)	762.81	166.57
11 68 13 00-0452	EA	Exercise Series Sign 2 (GameTime 13104)	762.81	166.57
11 68 13 00-0453	EA	Exercise Series Sign 3 (GameTime 13105)	762.81	166.57
11 68 13 00-0454	EA	Exercise Series Sign 4 (GameTime 13106)	762.81	166.57
11 68 13 00-0455	EA	Stretchguide Sign (GameTime 13107)	762.81	166.57
11 68 13 00-0456	EA	Joint Use Series Sign 1 (GameTime 13108)	762.81	166.57
11 68 13 00-0457	EA	Joint Use Series Sign 2 (GameTime 13109)	762.81	166.57
11 68 13 00-0458	EA	Joint Use Series Sign 3 (GameTime 13110)	762.81	166.57
11 68 13 00-0459	EA	Joint Use Series Sign 4 (GameTime 13111)	762.81	166.57
11 68 13 00-0460	EA	Joint-Use Exercise Sign (GameTime 13112)	762.81	166.57
11 68 13 00-0461	EA	Welcome Sign (GameTime 13113)	762.81	166.57
11 68 13 00-0462	EA	Achilles Stretch Sign (GameTime 13114)	482.58	104.79
11 68 13 00-0463	EA	Hamstring Stretch Sign (GameTime 13115)	482.58	104.79
11 68 13 00-0464	EA	Sit And Reach Sign (GameTime 13116)	482.58	104.79
11 68 13 00-0465	EA	Knee Lift Sign (GameTime 13117)	482.58	104.79
11 68 13 00-0466	EA	Log Hop Sign (GameTime 13118)	482.58	104.79
11 68 13 00-0467	EA	Half Knee Bends Sign (GameTime 13119)	482.58	104.79
11 68 13 00-0468	EA	Body Curl Sign (GameTime 13120)	482.58	104.79
11 68 13 00-0469	EA	Chin Up Sign (GameTime 13121)	482.58	104.79
11 68 13 00-0470	EA	Bench Curl Sign (GameTime 13122)	482.58	104.79
11 68 13 00-0471	EA	Sit-Up Sign (GameTime 13123)	482.58	104.79
11 68 13 00-0472	EA	Vault Bar Sign (GameTime 13124)	482.58	104.79
11 68 13 00-0473	EA	Push-Up Sign (GameTime 13125)	482.58	104.79
11 68 13 00-0474	EA	Bench Dip Sign (GameTime 13126)	482.58	104.79
11 68 13 00-0475	EA	Bench Leg Raise Sign (GameTime 13127)	482.58	104.79
11 68 13 00-0476	EA	Leg Stretch Sign (GameTime 13128)	482.58	104.79
11 68 13 00-0477	EA	Finish Sign (GameTime 13129)	482.58	104.79
11 68 13 00-0478	EA	Achilles Stretch Station (GameTime 13132)	417.32	90.46
11 68 13 00-0479	EA	Sit And Reach Station (GameTime 13133)	958.58	210.69
11 68 13 00-0480	EA	Leg Stretch Station (GameTime 13134)	611.45	134.59
11 68 13 00-0481	EA	Stretch Bar Station (GameTime 13135)	866.45	188.63
11 68 13 00-0482	EA	Vault Bar Station (GameTime 13136)	1,127.48	247.10
11 68 13 00-0483	EA	Sit-Up Station (GameTime 13137)	1,425.25	312.18
11 68 13 00-0484	EA	Push-Up Station (GameTime 13138)	909.23	199.66
11 68 13 00-0485	EA	Chin Up Station (GameTime 13139)	1,562.35	340.87
11 68 13 00-0486	EA	Knee-Lift Station (GameTime 13140)	531.94	115.83
11 68 13 00-0487	EA	Body-Curl Station (GameTime 13141)	1,844.22	402.64
11 68 13 00-0488	EA	Kidcourse Log-Hop (GameTime 13142)	1,374.26	301.15
11 68 13 00-0489	EA	Bench Dip Station (GameTime 13143)	1,712.06	373.96
11 68 13 00-0490	EA	Bench Curl Station (GameTime 13144)	1,460.35	318.80
11 68 13 00-0491	EA	Sit And Reach Station (GameTime 13147)	1,447.74	315.49
11 68 13 00-0492	EA	Shoulder Stretch Station (GameTime 13148)	509.45	112.52
11 68 13 00-0493	EA	Sit-Up Station (GameTime 13149)	1,680.25	366.24
11 68 13 00-0494	EA	Joint Use Chin Up Station (GameTime 13150)	1,461.99	318.80
11 68 13 00-0495	EA	Horizontal Chin Up Station (GameTime 13153)	2,237.41	489.78
11 68 13 00-0496	EA	Back Stretch Station (GameTime 13154)	1,527.25	333.14
11 68 13 00-0497	EA	Hamstring Stretch Station (GameTime 13155)	560.46	123.55
11 68 13 00-0498	EA	Half Knee Bends Station (GameTime 13156)	778.71	169.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0499	EA	Kidcourse Sit-Up Bench (GameTime 13157)	1,662.70	362.92
11 68 13 00-0500	EA	Bench Leg Raise Station (GameTime 13158)	2,339.41	510.74
11 68 13 00-0501	EA	Fitcircuit Sign Frames (GameTime 13161)	461.74	101.49
11 68 13 00-0502	EA	Sign Back (GameTime 13162)	519.31	112.52
11 68 13 00-0503	EA	Parcourse Fit Center (GameTime 13200)	23,252.75	5,079.87
11 68 13 00-0504	EA	Parcourse Introduction Sign (GameTime 13205)	2,420.58	529.50
11 68 13 00-0505	EA	Parcourse Fitquad-1 (GameTime 13206)	5,360.47	1,171.51
11 68 13 00-0506	EA	Parcourse Fitquad-2 (GameTime 13207)	6,029.52	1,316.02
11 68 13 00-0507	EA	Parcourse Fitquad-3 (GameTime 13208)	6,239.55	1,363.46
11 68 13 00-0508	EA	Parcourse Fitquad-4 (GameTime 13209)	6,849.34	1,498.04
11 68 13 00-0509	EA	Stretch Guide (GameTime 13214)	5,462.48	1,192.47
11 68 13 00-0510	EA	Parcourse Joint-Use Fit Center (GameTime 13215)	32,730.03	7,150.43
11 68 13 00-0511	EA	Parcourse Fitquad-1 (GameTime 13218)	5,795.35	1,265.28
11 68 13 00-0512	EA	Parcourse Fitquad-2 (GameTime 13219)	8,099.67	1,769.40
11 68 13 00-0513	EA	Parcourse Fitquad-3 (GameTime 13220)	7,749.25	1,693.29
11 68 13 00-0514	EA	Parcourse Fitquad-4 (GameTime 13221)	8,480.24	1,853.25
11 68 13 00-0515	EA	Joint-Use Stretch Guide (GameTime 13224)	5,869.92	1,284.03
11 68 13 00-0516	EA	Parcourse Fit Circuit (GameTime 13225)	28,947.78	6,324.19
11 68 13 00-0517	EA	Sway Steps (Youth) (GameTime 13612)	28,711.28	4,736.80
11 68 13 00-0518	EA	Floating Boards (Youth) (GameTime 13613)	24,509.15	4,044.04
11 68 13 00-0519	EA	Traverse Wall (Youth) (GameTime 13617)	17,813.24	2,938.71
11 68 13 00-0520	EA	Ramp Link 6" Rise (GameTime 16500)	4,370.73	1,059.00
11 68 13 00-0521	EA	36" Square Deck ADA (GameTime 16501)	1,015.97	247.10
11 68 13 00-0522	EA	Rectangle Deck ADA (GameTime 16502)	1,268.58	307.77
11 68 13 00-0523	EA	Crows Nest With Access Steering Wheel (GameTime 16504)	2,105.18	510.74
11 68 13 00-0524	EA	Ramp Attachment 6" Rise (GameTime 16507)	4,818.45	1,167.10
11 68 13 00-0525	EA	45" Square Deck ADA (GameTime 16508)	1,521.19	369.54
11 68 13 00-0526	EA	Ramp Link 12" Rise (GameTime 16512)	8,616.76	2,088.21
11 68 13 00-0527	EA	Ramp Attachment 12" Rise (GameTime 16513)	8,991.28	2,178.66
11 68 13 00-0528	EA	45-1/2" Triangle Deck (GameTime 16515)	938.57	228.35
11 68 13 00-0529	EA	ADA Crow' S Nest (GameTime 16522)	1,868.33	453.38
11 68 13 00-0530	EA	ADA Crows Nest With Gizmo (GameTime 16523)	2,136.69	518.47
11 68 13 00-0531	EA	Telescope Crow' S Nest (GameTime 16524)	3,499.83	848.30
11 68 13 00-0532	EA	Kaleidoscope Crow' S Nest (GameTime 16525)	3,215.71	779.91
11 68 13 00-0533	EA	ADA 49" Square Punch Steel Deck (GameTime 16700)	1,605.88	394.91
11 68 13 00-0534	EA	ADA 49" Tri Punch Steel Deck (GameTime 16701)	925.24	228.35
11 68 13 00-0535	EA	1'-0" Berm - 1'-6" Deck Ramp (GameTime 16706)	5,033.93	1,239.91
11 68 13 00-0536	EA	Grade - 1'-0"Deck Ramp (GameTime 16712)	7,258.45	1,787.05
11 68 13 00-0537	EA	98" ADA Ramp Link (GameTime 16716)	5,445.01	1,341.39
11 68 13 00-0538	EA	147" ADA Ramp Link (GameTime 16717)	9,645.35	2,375.02
11 68 13 00-0539	EA	98" Flat Ramp ADA (GameTime 16718)	5,108.75	1,258.66
11 68 13 00-0540	EA	147" Flat Ramp ADA (GameTime 16719)	8,908.14	2,194.11
11 68 13 00-0541	EA	Crow' S Nest Platform ADA (GameTime 16720)	1,884.19	464.41
11 68 13 00-0542	EA	Crow' S Nest With Steering Wheel ADA (GameTime 16721)	2,151.05	529.50
11 68 13 00-0543	EA	ADA Crows Nest With Gizmo (GameTime 16723)	2,175.30	536.12
11 68 13 00-0544	EA	Crow' S Nest With Accessories Wheel (GameTime 16726)	2,500.12	616.64
11 68 13 00-0545	EA	Veranda ADA (GameTime 16727)	2,090.40	515.16
11 68 13 00-0546	EA	Bigfoot Slide ADA (GameTime 16728)	8,364.29	2,059.53
11 68 13 00-0547	EA	Sky Bridge - ADA (GameTime 16730)	10,063.80	2,479.81
11 68 13 00-0548	EA	90 Degree Curved Bridge (GameTime 16749)	7,800.92	1,921.64
11 68 13 00-0549	EA	S Curved Bridge (GameTime 16750)	14,791.12	3,643.61
11 68 13 00-0550	EA	5'-0" Treescape With Deck (GameTime 16751)	9,213.37	2,270.23
11 68 13 00-0551	EA	6'-0" Treescape With Deck (GameTime 16753)	9,522.72	2,346.33
11 68 13 00-0552	EA	7'-0" Treescape With Deck (GameTime 16755)	9,831.99	2,422.45
11 68 13 00-0553	EA	8'-0" Treescape With Deck (GameTime 16757)	10,141.33	2,498.57
11 68 13 00-0554	EA	1'-0" Pentagonal Deck (GameTime 16766)	6,271.19	1,544.37
11 68 13 00-0555	EA	2'-0" Pentagonal Deck (GameTime 16768)	6,329.15	1,558.71
11 68 13 00-0556	EA	3'-0" Pentagonal Deck (GameTime 16770)	6,387.11	1,574.15
11 68 13 00-0557	EA	4'-0" Pentagonal Deck (GameTime 16772)	6,445.06	1,588.50
11 68 13 00-0558	EA	5'-0" Pentagonal Deck (GameTime 16774)	6,503.00	1,602.84
11 68 13 00-0559	EA	6'-0" Pentagonal Deck (GameTime 16776)	6,560.95	1,617.17
11 68 13 00-0560	EA	7'-0" Pentagonal Deck (GameTime 16778)	6,612.87	1,628.20
11 68 13 00-0561	EA	8'-0" Pentagonal Deck (GameTime 16780)	6,670.82	1,642.54
11 68 13 00-0562	EA	Telescope Crow' S Nest (GameTime 16801)	3,339.11	822.92
11 68 13 00-0563	EA	Kaleidoscope Crow' S Nest (GameTime 16802)	3,271.06	805.28
11 68 13 00-0564	EA	ADA Wide Triangular Platform (GameTime 16803)	1,380.11	340.87
11 68 13 00-0565	EA	ADA Wide Ramp 98" Link (GameTime 16804)	7,289.46	1,794.78
11 68 13 00-0566	EA	ADA Wide Ramp 147" Link (GameTime 16805)	10,789.60	2,657.41
11 68 13 00-0567	EA	ADA 6" Stepped Platform (GameTime 16806)	1,896.99	467.73
11 68 13 00-0568	EA	ADA Wide Ramp (GameTime 16808)	7,991.62	1,969.07
11 68 13 00-0569	EA	ADA Wide Ramp (GameTime 16809)	11,539.61	2,842.74

11 68 13 00-0570 Playground Equipment (GameTime Models 16811 To 80110) *(11 68 13 00-0140)*

11 68 13 00-0571	EA	Switchback Link 98" 16811	291.11	72.80
11 68 13 00-0572	EA	Switchback Link 147" (GameTime 16812)	380.06	93.76
11 68 13 00-0573	EA	ADA 12" Stepped Platform (GameTime 16813)	2,161.15	532.80
11 68 13 00-0574	EA	Adaptive Swing Safety Belt (GameTime 17247)	235.53	50.74
11 68 13 00-0575	EA	Adapt Swing Seat (GameTime 17255)	926.58	195.25
11 68 13 00-0576	EA	Adapt Swing Seat (GameTime 17256)	1,112.74	236.06
11 68 13 00-0577	EA	36" Sq Punched Deck P/T 1.3125 (GameTime 18200)	1,305.99	215.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0578	EA	36" Tri Punched Deck P/T (GameTime 18201)	853.21	141.20
11 68 13 00-0579	EA	Upper Body Trainer F/S (GameTime 18282)	5,544.75	914.49
11 68 13 00-0580	EA	Entry Way (GameTime 19001)	587.59	97.08
11 68 13 00-0581	EA	Single Gizmo Panel (GameTime 19002)	893.46	147.82
11 68 13 00-0582	EA	Decorative Panel (GameTime 19003)	893.46	147.82
11 68 13 00-0583	EA	Transfer Platform With Barrier (3') (GameTime 19013)	4,614.22	761.15
11 68 13 00-0584	EA	Clover Leaf (2' And 2'-6") (GameTime 19105)	2,374.52	391.61
11 68 13 00-0585	EA	Wave Zip Slide (2'-6" And 3') (GameTime 19122)	2,279.95	376.17
11 68 13 00-0586	EA	Toddler 2 (GameTime 20002)	10,123.40	2,244.86
11 68 13 00-0587	EA	Toddler 5 (GameTime 20005)	12,404.85	2,748.98
11 68 13 00-0588	EA	Toddler 6 (GameTime 20006)	16,399.04	3,633.68
11 68 13 00-0589	EA	Toddler 7 (GameTime 20007)	20,170.00	4,470.95
11 68 13 00-0590	EA	Toddler 9 (GameTime 20010)	14,992.27	3,321.50
11 68 13 00-0591	EA	Crawler 2 (GameTime 20017)	8,374.46	1,856.55
11 68 13 00-0592	EA	Crawler 3 (GameTime 20018)	10,244.46	2,270.23
11 68 13 00-0593	EA	WaLinker 2 (GameTime 20019)	20,259.76	4,488.60
11 68 13 00-0594	EA	WaLinker 3 (GameTime 20020)	23,057.53	5,108.55
11 68 13 00-0595	EA	WaLinker 4 (GameTime 20021)	25,291.35	5,606.06
11 68 13 00-0596	EA	Roof Package (GameTime 22005)	1,395.87	307.77
11 68 13 00-0597	EA	In Ground Package For (GameTime 20002 23002)	1,175.90	261.44
11 68 13 00-0598	EA	In Ground Package For (GameTime 20005 23005)	1,358.07	301.15
11 68 13 00-0599	EA	In Ground Package For (GameTime 20006 23006)	1,929.53	428.01
11 68 13 00-0600	EA	In Ground Package For (GameTime 20007 23007)	2,377.12	526.18
11 68 13 00-0601	EA	In Ground Package For (GameTime 20010 23010)	1,571.62	348.59
11 68 13 00-0602	EA	In Ground Package For (GameTime 20017 23011)	978.04	217.32
11 68 13 00-0603	EA	Toddler 2 - Surface Mount Package (GameTime 23012)	670.38	148.92
11 68 13 00-0604	EA	Toddler 7 - Surface Mount Package (GameTime 23013)	1,274.82	282.40
11 68 13 00-0605	EA	Toddler 9 - Surface Mount Package (GameTime 23014)	821.20	180.91
11 68 13 00-0606	EA	Toddler 5 - Surface Mount Package (GameTime 23015)	756.85	166.57
11 68 13 00-0607	EA	Toddler 6 - Surface Mount Package (GameTime 23016)	979.65	217.32
11 68 13 00-0608	EA	Crawler 2 - Surface Mount Package (GameTime 23017)	470.93	104.79
11 68 13 00-0609	EA	Crawler 3 - Surface Mount Package (GameTime 23018)	526.02	115.83
11 68 13 00-0610	EA	WaLinker 2 - Surface Mount Package (GameTime 23019)	1,475.90	326.52
11 68 13 00-0611	EA	WaLinker 3 - Surface Mount Package (GameTime 23020)	1,337.56	297.85
11 68 13 00-0612	EA	WaLinker 4 - Surface Mount Package (GameTime 23021)	1,689.45	373.96
11 68 13 00-0613	EA	In Ground Package For 20018 (GameTime 23027)	1,147.74	253.72
11 68 13 00-0614	EA	In Ground Package For (GameTime 20019 23028)	2,191.74	485.37
11 68 13 00-0615	EA	In Ground Package For (GameTime 20020 23029)	2,328.47	515.16
11 68 13 00-0616	EA	In Ground Package For (GameTime 20021 23030)	2,670.70	591.27
11 68 13 00-0617	EA	16" Sand And Water Table (GameTime 24000)	2,792.95	619.96
11 68 13 00-0618	EA	24" Sand And Water Table (GameTime 24001)	2,979.96	659.66
11 68 13 00-0619	EA	32" Sand And Water Table (GameTime 24002)	3,059.99	678.42
11 68 13 00-0620	EA	Triple Sand And Water Table (GameTime 24003)	8,676.07	1,921.64
11 68 13 00-0621	EA	Double Sand And Water Table (16", 24") (GameTime 24004)	5,649.05	1,250.93
11 68 13 00-0622	EA	Double Sand And Water Table (24", 32") (GameTime 24005)	5,934.60	1,316.02
11 68 13 00-0623	EA	Roof For 16" Sand And Water Table (GameTime 24006)	1,488.37	329.84
11 68 13 00-0624	EA	Cover - Single Sand And Water Table (GameTime 24011)	511.93	112.52
11 68 13 00-0625	EA	Single Cover Stacked Sand And Water Table (GameTime 24013)	590.36	130.16
11 68 13 00-0626	EA	Kidcurb (GameTime 24020)	123.84	25.37
11 68 13 00-0627	EA	Kidcurb - Black (GameTime 24021)	107.38	22.06
11 68 13 00-0628	EA	Bubble Climbing Wall Attachment (GameTime 26000)	2,594.36	608.92
11 68 13 00-0629	EA	DNA Climbing Wall Attachment (GameTime 26001)	1,654.56	388.30
11 68 13 00-0630	EA	Laced Climbing Wall Attachment (GameTime 26002)	1,801.18	424.70
11 68 13 00-0631	EA	Ladder Wall Attachment (GameTime 26003)	1,450.37	340.87
11 68 13 00-0632	EA	Oval Climbing Wall Attachment (GameTime 26004)	2,655.05	623.26
11 68 13 00-0633	EA	Rock Climbing Wall Attachment (GameTime 26005)	3,365.43	790.93
11 68 13 00-0634	EA	Sail Climbing Wall Attachment (GameTime 26006)	1,808.49	424.70
11 68 13 00-0635	EA	Social Discs Attachment (GameTime 26007)	1,900.25	445.66
11 68 13 00-0636	EA	Symmetric Climbing Wall Attachment (GameTime 26008)	1,512.52	355.21
11 68 13 00-0637	EA	Trapeze Dual Circuit (GameTime 26010)	4,214.92	989.50
11 68 13 00-0638	EA	Trapeze Quad Circuit (GameTime 26011)	4,777.40	1,124.08
11 68 13 00-0639	EA	Single Link Cross Beam (GameTime 26012)	372.92	87.15
11 68 13 00-0640	EA	Double Link Cross Beam (GameTime 26013)	451.34	104.79
11 68 13 00-0641	EA	PS Plus Single Link Cross Beam (GameTime 26015)	372.92	87.15
11 68 13 00-0642	EA	Upright 2-Way Link (GameTime 26016)	1,632.45	383.88
11 68 13 00-0643	EA	Upright 3-Way Link (GameTime 26017)	2,357.62	554.87
11 68 13 00-0644	EA	Arched Chain Net Link (GameTime 26022)	1,465.18	344.17
11 68 13 00-0645	EA	Hanging Pod Link (GameTime 26023)	2,203.70	518.47
11 68 13 00-0646	EA	Rock Wall Link (GameTime 26024)	3,794.66	892.42
11 68 13 00-0647	EA	Arched Loop Ladder Overhead (GameTime 26027)	922.07	217.32
11 68 13 00-0648	EA	Inverted Loop Ladder Overhead (GameTime 26028)	907.26	214.01
11 68 13 00-0649	EA	Trapeze Ring Overhead (GameTime 26029)	1,604.29	377.27
11 68 13 00-0650	EA	Arched Trapeze Ring Overhead (GameTime 26030)	1,604.29	377.27
11 68 13 00-0651	EA	Inverted Trapeze Ring Overhead (GameTime 26031)	1,604.29	377.27
11 68 13 00-0652	EA	Sky Wheels (GameTime 26032)	2,575.16	605.61
11 68 13 00-0653	EA	Stretched Loop Ladder (GameTime 26033)	907.26	214.01
11 68 13 00-0654	EA	Swing (GameTime 26034)	2,716.72	594.59
11 68 13 00-0655	EA	Swing Add-A-Bay (GameTime 26035)	1,589.23	348.59
11 68 13 00-0656	EA	Xcelerator (GameTime 26037)	4,052.22	953.10
11 68 13 00-0657	EA	Track Ride (GameTime 26038)	5,089.63	1,196.89
11 68 13 00-0658	EA	Swivel Meister (GameTime 26040)	1,992.02	467.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0659	EA	Single Sky Wheel (GameTime 26041)	2,957.04	696.07
11 68 13 00-0660	EA	Twister (GameTime 26042)	4,132.12	971.85
11 68 13 00-0661	EA	Suspended Pod (GameTime 26043)	1,924.01	453.38
11 68 13 00-0662	EA	Tri Ladder (GameTime 26044)	695.57	163.26
11 68 13 00-0663	EA	Hang Out Circuit (GameTime 26045)	5,043.75	1,185.86
11 68 13 00-0664	EA	Hang Out Wall (GameTime 26046)	1,438.48	337.55
11 68 13 00-0665	EA	Triton (GameTime 26049)	16,635.74	2,744.56
11 68 13 00-0666	EA	Triton Support Rung (With Tab) (GameTime 26083)	605.70	100.38
11 68 13 00-0667	EA	Triangular Shroud (GameTime 26094)	114.70	18.75
11 68 13 00-0668	EA	Single With Step (GameTime 26142)	2,273.90	375.06
11 68 13 00-0669	EA	Xscape Swing 3 1/2" X 8' (GameTime 26168)	3,264.36	538.32
11 68 13 00-0670	EA	Xscape Swing Add A Bay 3 1/2" X 8' (GameTime 26168)	1,923.69	317.70
11 68 13 00-0671	EA	Xscape Swing Add A Bay 3 1/2" X 8' (GameTime 26169)	1,923.69	317.70
11 68 13 00-0672	EA	X-Generator (GameTime 27000)	44,586.84	10,482.96
11 68 13 00-0673	EA	Xcapade (GameTime 27001)	42,906.19	10,086.94
11 68 13 00-0674	EA	Xciter (GameTime 27002)	49,681.85	11,678.74
11 68 13 00-0675	EA	Xercise (GameTime 27003)	63,757.47	14,989.21
11 68 13 00-0676	EA	Xponential (GameTime 27004)	79,558.61	18,702.30
11 68 13 00-0677	EA	Xplosion (GameTime 27005)	23,146.95	5,442.80
11 68 13 00-0678	EA	X-Linear (GameTime 27006)	24,015.61	5,645.77
11 68 13 00-0679	EA	X Marks The Spot (GameTime 27007)	27,311.59	6,421.27
11 68 13 00-0680	EA	Xpression (GameTime 27008)	48,401.65	11,378.69
11 68 13 00-0681	EA	6' Preschool Picnic Table (GameTime 28001)	1,818.51	383.88
11 68 13 00-0682	EA	6' Bench With Without Back Portable (GameTime 28002)	682.37	144.51
11 68 13 00-0683	EA	6' Bench With Without Back Inground (GameTime 28003)	633.01	134.59
11 68 13 00-0684	EA	6' Bench With Without Back (GameTime 28004)	704.02	148.92
11 68 13 00-0685	EA	8' Bench With Without Back Portable (GameTime 28005)	768.09	163.26
11 68 13 00-0686	EA	8' Bench With Without Back Inground (GameTime 28006)	718.74	152.23
11 68 13 00-0687	EA	8' Bench With Without Back (GameTime 28007)	789.75	166.57
11 68 13 00-0688	EA	6' Bench With Back Portable 28008	1,083.31	228.35
11 68 13 00-0689	EA	6' Bench With Back Inground (GameTime 28009)	1,033.96	217.32
11 68 13 00-0690	EA	6' Bench With Back (GameTime 28010)	1,104.97	231.65
11 68 13 00-0691	EA	8' Bench With Back Portable (GameTime 28011)	1,307.59	275.78
11 68 13 00-0692	EA	8' Bench With Back Inground (GameTime 28012)	1,258.24	264.75
11 68 13 00-0693	EA	8' Bench With Back (GameTime 28013)	1,335.29	282.40
11 68 13 00-0694	EA	6' Picnic Table (GameTime 28014)	2,060.97	434.63
11 68 13 00-0695	EA	8' Picnic Table (GameTime 28015)	2,491.35	526.18
11 68 13 00-0696	EA	8' ADA Picnic Table (GameTime 28016)	2,219.45	467.73
11 68 13 00-0697	EA	46" Food Court Table (GameTime 28017)	2,577.09	543.84
11 68 13 00-0698	EA	ADA Table With 1-5/8" Diameter Pipe (GameTime 28018)	2,390.91	504.13
11 68 13 00-0699	EA	Food Court Table Inground (GameTime 28019)	2,934.71	619.96
11 68 13 00-0700	EA	ADA Food Court Table (GameTime 28020)	2,489.62	526.18
11 68 13 00-0701	EA	Food Court Table (GameTime 28021)	3,007.47	634.29
11 68 13 00-0702	EA	ADA Food Court Table (GameTime 28022)	2,562.37	540.53
11 68 13 00-0703	EA	Punched Receptable (GameTime 28023)	846.05	177.60
11 68 13 00-0704	EA	Receptable With Dome Top Inground (GameTime 28024)	1,214.92	257.02
11 68 13 00-0705	EA	Receptable With Dome Top (GameTime 28025)	1,139.60	239.38
11 68 13 00-0706	EA	Receptable With Flat Top Inground (GameTime 28026)	1,132.66	239.38
11 68 13 00-0707	EA	Receptable With Flat Top (GameTime 28027)	1,063.40	225.03
11 68 13 00-0708	EA	Sway Bench (GameTime 28028)	2,460.18	518.47
11 68 13 00-0709	EA	6' Picnic Table (GameTime 28030)	1,878.28	394.91
11 68 13 00-0710	EA	8' Picnic Table (GameTime 28037)	2,314.69	489.78
11 68 13 00-0711	EA	Elephant Bench Inground (GameTime 28042)	1,942.34	409.26
11 68 13 00-0712	EA	Elephant Bench (GameTime 28043)	1,942.34	409.26
11 68 13 00-0713	EA	Gorilla Bench Inground (GameTime 28044)	1,942.34	409.26
11 68 13 00-0714	EA	Gorilla Bench Surface Mount (GameTime 28045)	1,942.34	409.26
11 68 13 00-0715	EA	49" Square Punched Steel Deck (GameTime 80000)	2,076.70	342.63
11 68 13 00-0716	EA	49" Tri Punched Steel Deck (GameTime 80001)	1,229.49	202.86
11 68 13 00-0717	EA	3' Upright Assembly (GameTime G80010)	172.51	43.02
11 68 13 00-0718	EA	3' Upright Assembly (GameTime 80010)	190.70	47.43
11 68 13 00-0719	EA	4' Upright Assembly (GameTime G80011)	208.92	50.74
11 68 13 00-0720	EA	4' Upright Assembly (GameTime 80011)	238.56	58.47
11 68 13 00-0721	EA	5' Upright Assembly (GameTime G80012)	251.36	61.77
11 68 13 00-0722	EA	5' Upright Assembly (GameTime 80012)	292.46	72.80
11 68 13 00-0723	EA	6' Upright Assembly (GameTime G80013)	293.81	72.80
11 68 13 00-0724	EA	6' Upright Assembly (GameTime 80013)	340.31	83.84
11 68 13 00-0725	EA	7' Upright Assembly (GameTime G80014)	336.26	83.84
11 68 13 00-0726	EA	7' Upright Assembly (GameTime 80014)	394.21	98.17
11 68 13 00-0727	EA	8' Upright Assembly (GameTime G80015)	378.71	93.76
11 68 13 00-0728	EA	8' Upright Assembly (GameTime 80015)	442.07	109.21
11 68 13 00-0729	EA	9' Upright Assembly (GameTime G80016)	415.12	101.49
11 68 13 00-0730	EA	9' Upright Assembly (GameTime 80016)	489.92	119.13
11 68 13 00-0731	EA	10' Upright Assembly (GameTime G80017)	457.57	112.52
11 68 13 00-0732	EA	10' Upright Assembly (GameTime H80017)	636.83	155.54
11 68 13 00-0733	EA	10' Upright Assembly (GameTime 80017)	543.82	134.59
11 68 13 00-0734	EA	11' Upright Assembly (GameTime G80018)	500.03	123.55
11 68 13 00-0735	EA	11' Upright Assembly (GameTime H80018)	696.14	169.88
11 68 13 00-0736	EA	11' Upright Assembly (GameTime 80018)	591.68	144.51
11 68 13 00-0737	EA	12' Upright Assembly (GameTime G80019)	871.27	143.74
11 68 13 00-0738	EA	12' Upright Assembly (GameTime H80019)	761.49	188.63
11 68 13 00-0739	EA	12' Upright Assembly (GameTime 80019)	645.58	159.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0740	EA	13' Upright Assembly (GameTime G80020)	584.93	144.51
11 68 13 00-0741	EA	13' Upright Assembly (GameTime H80020)	820.78	202.98
11 68 13 00-0742	EA	13' Upright Assembly (GameTime 80020)	693.44	169.88
11 68 13 00-0743	EA	14' Upright Assembly (GameTime G80021)	621.34	152.23
11 68 13 00-0744	EA	14' Upright Assembly (GameTime H80021)	880.09	217.32
11 68 13 00-0745	EA	14' Upright Assembly (GameTime 80021)	747.33	185.32
11 68 13 00-0746	EA	15' Upright Assembly (GameTime G80022)	663.78	163.26
11 68 13 00-0747	EA	15' Upright Assembly (GameTime H80022)	939.39	231.65
11 68 13 00-0748	EA	15' Upright Assembly (GameTime 80022)	795.20	195.25
11 68 13 00-0749	EA	Step-Up Platform (GameTime 80023)	4,413.96	1,087.67
11 68 13 00-0750	EA	Plastic Square Deck Cedar (GameTime 80024)	2,529.77	623.26
11 68 13 00-0751	EA	Plastic Tri Deck Cedar (GameTime 80025)	1,916.54	471.03
11 68 13 00-0752	EA	5'-0" Treescape With Deck (GameTime 80026)	9,213.37	2,270.23
11 68 13 00-0753	EA	6'-0" Treescape With Deck (GameTime 80028)	9,522.72	2,346.33
11 68 13 00-0754	EA	7'-0" Treescape With Deck (GameTime 80030)	9,831.99	2,422.45
11 68 13 00-0755	EA	8'-0" Treescape With Deck (GameTime 80032)	10,141.33	2,498.57
11 68 13 00-0756	EA	5'-0" Treescape With Climber (GameTime 80033)	10,159.53	2,501.88
11 68 13 00-0757	EA	6'-0" Treescape With Climber (GameTime 80035)	10,494.45	2,585.71
11 68 13 00-0758	EA	7'-0" Treescape With Climber (GameTime 80037)	10,829.36	2,668.44
11 68 13 00-0759	EA	8'-0" Treescape With Climber (GameTime 80039)	11,158.24	2,748.98
11 68 13 00-0760	EA	1'-0" Pentagonal Deck (GameTime 80041)	6,271.19	1,544.37
11 68 13 00-0761	EA	2'-0" Pentagonal Deck (GameTime 80043)	6,329.15	1,558.71
11 68 13 00-0762	EA	3'-0" Pentagonal Deck (GameTime 80045)	6,387.11	1,574.15
11 68 13 00-0763	EA	4'-0" Pentagonal Deck (GameTime 80047)	6,445.06	1,588.50
11 68 13 00-0764	EA	5'-0" Pentagonal Deck (GameTime 80049)	6,503.00	1,602.84
11 68 13 00-0765	EA	6'-0" Pentagonal Deck (GameTime 80051)	6,560.95	1,617.17
11 68 13 00-0766	EA	7'-0" Pentagonal Deck (GameTime 80053)	6,612.87	1,628.20
11 68 13 00-0767	EA	8'-0" Pentagonal Deck (GameTime 80055)	6,670.82	1,642.54
11 68 13 00-0768	EA	Pentagonal Deck With Climber (GameTime 80056)	7,046.83	1,736.32
11 68 13 00-0769	EA	Pentagonal Deck With Climber (GameTime 80058)	7,098.74	1,747.35
11 68 13 00-0770	EA	Pentagonal Deck With Climber (GameTime 80060)	7,156.69	1,761.69
11 68 13 00-0771	EA	7'-0" Pentagonal Deck With Climber (GameTime 80062)	7,215.99	1,777.13
11 68 13 00-0772	EA	8'-0" Pentagonal Deck With Climber (GameTime 80064)	7,273.94	1,791.47
11 68 13 00-0773	EA	Deck Flat Cap Package (GameTime 80076)	204.86	50.74
11 68 13 00-0774	EA	Maintenance Kit (GameTime 80077)	351.77	87.15
11 68 13 00-0775	EA	6" Stepped Platform (GameTime 80078)	2,869.38	467.73
11 68 13 00-0776	EA	Slide Transfer (GameTime 80080)	2,180.70	536.12
11 68 13 00-0777	EA	Noodle Top (GameTime 80100)	460.27	112.52
11 68 13 00-0778	EA	Arch (GameTime 80101)	881.44	217.32
11 68 13 00-0779	EA	Custom Text Arch Panel (GameTime 80102)	2,283.81	561.49
11 68 13 00-0780	EA	Perforated Metal Roof (GameTime 80104)	2,985.99	735.78
11 68 13 00-0781	EA	Perforated Metal Roof Extension (GameTime 80105G)	2,014.24	496.40
11 68 13 00-0782	EA	Perforated Roof With Custom Arch Panel (GameTime 80106)	4,678.13	1,152.76
11 68 13 00-0783	EA	Sculptured Roof (GameTime 80108)	15,649.64	3,854.30
11 68 13 00-0784	EA	Perforated Metal Peaked Roof (GameTime 80109)	4,663.97	1,149.46
11 68 13 00-0785	EA	Recycled Slat Peaked Roof (GameTime 80110)	4,887.03	1,203.50

11 68 13 00-0786 Playground Equipment (GameTime Models 80112 To 80642) *(11 68 13 00-0140)*

11 68 13 00-0787	EA	Perforated Gable Roof Single (GameTime 80112)	2,782.48	685.03
11 68 13 00-0788	EA	Dome Roof (GameTime 80116)	1,196.16	293.43
11 68 13 00-0789	EA	Hexadome Roof (GameTime 80119)	5,060.88	1,247.63
11 68 13 00-0790	EA	Hexawedge Roof (GameTime 80125)	5,607.42	1,381.11
11 68 13 00-0791	EA	Megadome Roof (GameTime 80126)	6,976.07	1,718.66
11 68 13 00-0792	EA	Quad Hip Roof (GameTime 80129)	3,903.83	960.82
11 68 13 00-0793	EA	Custom Mascot Arch Panel (GameTime 80144)	2,225.86	547.15
11 68 13 00-0794	EA	3' Flag Post (GameTime 80145)	415.12	101.49
11 68 13 00-0795	EA	4' Flag Post (GameTime 80146)	460.27	112.52
11 68 13 00-0796	EA	5' Flag Post (GameTime 80147)	511.47	126.86
11 68 13 00-0797	EA	6' Flag Post (GameTime 80148)	556.62	137.89
11 68 13 00-0798	EA	Ornamental Hex Roof (GameTime 80149)	6,973.37	1,718.66
11 68 13 00-0799	EA	Ornamental Oct Roof (GameTime 80150)	10,476.23	2,581.30
11 68 13 00-0800	EA	Perforated Roof/Mascot Arch Panel (GameTime 80151)	5,296.75	1,304.99
11 68 13 00-0801	EA	Medieval Flag Decal (GameTime 80152)	238.56	58.47
11 68 13 00-0802	EA	Racing Flag Decal (GameTime 80153)	238.56	58.47
11 68 13 00-0803	EA	Marine Flag Decal (GameTime 80154)	238.56	58.47
11 68 13 00-0804	EA	Canopy Roof (GameTime 80155)	12,264.07	3,020.35
11 68 13 00-0805	EA	Pagoda Roof With Perforated Metal (GameTime 80157)	7,804.98	1,921.64
11 68 13 00-0806	EA	Pagoda Roof With Slats (GameTime 80159)	9,159.47	2,255.88
11 68 13 00-0807	EA	Rainforest Canopy (GameTime 80162)	9,497.10	2,338.62
11 68 13 00-0808	EA	Shingle Roof (GameTime 80163)	1,443.46	355.21
11 68 13 00-0809	EA	Slate Roof (GameTime 80165)	1,679.33	413.67
11 68 13 00-0810	EA	Roof Extension 24" With Insert (GameTime 80166)	219.00	54.06
11 68 13 00-0811	EA	Roof Extension 24" With Rivet (GameTime 80167)	257.61	42.47
11 68 13 00-0812	EA	Roof Extension 36" With Rivet (GameTime 80168)	233.16	58.47
11 68 13 00-0813	EA	Modern Triangular Roof (GameTime 80171)	1,322.16	326.52
11 68 13 00-0814	EA	Modern Square Roof (GameTime 80172)	2,162.50	532.80
11 68 13 00-0815	EA	Upright Extension (GameTime 80173)	369.97	90.46
11 68 13 00-0816	EA	20' Sunblox Sail Roof (GameTime 80174)	19,308.14	4,757.76
11 68 13 00-0817	EA	20' Sunblox Roof (GameTime 80175)	12,132.71	2,987.25
11 68 13 00-0818	EA	14' Sunblox Sail Roof (GameTime 80176)	16,515.60	4,068.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0819	EA	14' Sunblox Roof (GameTime 80177)	8,732.93	2,149.98
11 68 13 00-0820	EA	Extension 2' For Modern Roof (GameTime 80178)	248.66	61.77
11 68 13 00-0821	EA	Sail Roof (GameTime 80180)	676.58	166.57
11 68 13 00-0822	EA	Extension 1' For Modern Roof (GameTime 80181)	219.00	54.06
11 68 13 00-0823	EA	Extension 4' For Modern Roof (GameTime 80182)	307.96	76.12
11 68 13 00-0824	EA	Sail Roof Extensions (GameTime 80183G)	220.36	54.06
11 68 13 00-0825	EA	Sail Roof Extensions (GameTime 80183)	220.36	54.06
11 68 13 00-0826	EA	Quad Sail (GameTime 80184)	2,706.33	667.39
11 68 13 00-0827	EA	Tri Sail (GameTime 80185)	2,029.74	500.81
11 68 13 00-0828	EA	Hex Sail (GameTime 80186)	4,059.49	1,000.53
11 68 13 00-0829	EA	Arch Climber 3' (GameTime 80300)	1,549.28	380.58
11 68 13 00-0830	EA	Arch Climber 4' (GameTime 80301)	1,607.24	394.91
11 68 13 00-0831	EA	Arch Climber 5' (GameTime 80302)	1,665.18	409.26
11 68 13 00-0832	EA	3'-0"/3'-6" Clover Climber (GameTime 80303)	1,535.13	377.27
11 68 13 00-0833	EA	4'-0"/4'-6" Clover Climber (GameTime 80304)	1,663.83	409.26
11 68 13 00-0834	EA	5'-0"/5'-6" Clover Climber (GameTime 80305)	1,792.53	442.35
11 68 13 00-0835	EA	6'-0" Clover Climber (GameTime 80306)	1,915.19	471.03
11 68 13 00-0836	EA	3'-0" Bannister Rail (GameTime 80307)	1,719.08	424.70
11 68 13 00-0837	EA	4'-0" Bannister Rail (GameTime 80308)	1,814.79	445.66
11 68 13 00-0838	EA	2'-6" Loop Ladder (GameTime 80309)	1,752.79	431.32
11 68 13 00-0839	EA	3'-0" To 4'-0" Loop Ladder (GameTime 80310)	1,898.34	467.73
11 68 13 00-0840	EA	5'-0" Loop Ladder (GameTime 80311)	2,042.54	504.13
11 68 13 00-0841	EA	6'-0" Loop Ladder (GameTime 80312)	2,182.06	536.12
11 68 13 00-0842	EA	3'-0" DNA Climber (GameTime 80313)	1,673.93	413.67
11 68 13 00-0843	EA	4'-0" DNA Climber (GameTime 80314)	1,901.04	467.73
11 68 13 00-0844	EA	5'-0" DNA Climber (GameTime 80315)	2,132.84	526.18
11 68 13 00-0845	EA	6'-0" DNA Climber (GameTime 80316)	2,366.00	583.55
11 68 13 00-0846	EA	3'-0" Fat Pipe Climber (GameTime 80317)	2,573.57	634.29
11 68 13 00-0847	EA	3'-6" To 4' Fat Pipe Climber (GameTime 80318)	2,843.13	699.38
11 68 13 00-0848	EA	4'-6" To 5' Fat Pipe Climber (GameTime 80319)	3,118.74	768.88
11 68 13 00-0849	EA	3'-0" To 3'-6" Tree Climber (GameTime 80320)	1,443.46	355.21
11 68 13 00-0850	EA	4'-0" To 4'-6" Tree Climber (GameTime 80321)	1,505.48	369.54
11 68 13 00-0851	EA	5'-0" To 5'-6" Tree Climber (GameTime 80322)	1,573.53	388.30
11 68 13 00-0852	EA	6'-0" Tree Climber (GameTime 80323)	1,635.53	402.64
11 68 13 00-0853	EA	3'\3'-6" Crazy Eight (GameTime 80324)	1,747.38	431.32
11 68 13 00-0854	EA	4'\4'-6" Crazy Eight (GameTime 80325)	1,764.23	434.63
11 68 13 00-0855	EA	5'\5'-6" Crazy Eight (GameTime 80326)	1,899.69	467.73
11 68 13 00-0856	EA	6'-0" Crazy Eight Climber (GameTime 80327)	1,974.50	485.37
11 68 13 00-0857	EA	2'-0" St Fat Pipe Attachment (GameTime 80328)	2,543.91	627.67
11 68 13 00-0858	EA	2'-6" St Fat Pipe Attachment (GameTime 80329)	2,769.67	681.73
11 68 13 00-0859	EA	3'-0" St Fat Pipe Attachment (GameTime 80330)	3,001.49	740.19
11 68 13 00-0860	EA	3'-0"/3'-6" Chain Link (GameTime 80331)	1,489.97	366.24
11 68 13 00-0861	EA	4'-0"/4'-6" Chain Link (GameTime 80332)	1,559.38	383.88
11 68 13 00-0862	EA	5'-0"/5'-6" Chain Link (GameTime 80333)	1,621.38	399.32
11 68 13 00-0863	EA	6'-0" Chain Link Climber (GameTime 80334)	1,689.43	416.98
11 68 13 00-0864	EA	2'-0"/2'-6" Clover Leaf (GameTime 80335)	1,943.49	478.75
11 68 13 00-0865	EA	3'-0"/3'-6" Clover Leaf (GameTime 80336)	2,279.75	561.49
11 68 13 00-0866	EA	4'-0"/4'-6" Clover Leaf (GameTime 80337)	2,616.02	645.33
11 68 13 00-0867	EA	Megarock Climber (GameTime 80338)	5,905.29	1,453.91
11 68 13 00-0868	EA	Wave Climber (GameTime 80340)	1,926.64	475.44
11 68 13 00-0869	EA	Coated Chain Net 3' Deck (GameTime 80341)	2,045.24	504.13
11 68 13 00-0870	EA	Coated Chain Net 4' Deck (GameTime 80342)	2,117.35	521.77
11 68 13 00-0871	EA	Coated Chain Net 5' Deck (GameTime 80343)	2,189.45	540.53
11 68 13 00-0872	EA	3' Coat Chain Climber With Rails (GameTime 80344)	2,193.50	540.53
11 68 13 00-0873	EA	4' Coat Chain Climber With Rails (GameTime 80345)	2,293.91	565.90
11 68 13 00-0874	EA	5' Coat Chain Climber With Rails (GameTime 80346)	2,388.27	586.86
11 68 13 00-0875	EA	2'-0" Cork Screw Climber (GameTime 80347)	1,750.09	431.32
11 68 13 00-0876	EA	2'-6" Cork Screw Climber (GameTime 80348)	1,828.94	450.07
11 68 13 00-0877	EA	3'-0" Cork Screw Climber (GameTime 80349)	1,913.84	471.03
11 68 13 00-0878	EA	3'-6" Cork Screw Climber (GameTime 80350)	1,998.74	493.10
11 68 13 00-0879	EA	4'-0" Cork Screw Climber (GameTime 80351)	2,077.59	510.74
11 68 13 00-0880	EA	5'-0" Cork Screw Climber (GameTime 80352)	2,162.50	532.80
11 68 13 00-0881	EA	6'-0" Cork Screw Climber (GameTime 80353)	2,241.36	551.56
11 68 13 00-0882	EA	Double Climber 4'-5' (GameTime 80355)	1,792.53	442.35
11 68 13 00-0883	EA	Double Climber 5'-6" To 6'-0 (GameTime 80356)	1,998.74	493.10
11 68 13 00-0884	EA	3'-0"/3'-6" Spiny Arch (GameTime 80358)	1,394.26	344.17
11 68 13 00-0885	EA	4'-0"/4'-6" Spiny Arch (GameTime 80359)	1,474.47	362.92
11 68 13 00-0886	EA	5'-0" Spiny Arch Climber (GameTime 80360)	1,558.02	383.88
11 68 13 00-0887	EA	3'-0"\3'-6" Twister Climb (GameTime 80361)	1,446.17	355.21
11 68 13 00-0888	EA	4'-0"\4'-6" Twister Climb (GameTime 80362)	1,528.37	377.27
11 68 13 00-0889	EA	5'-0"\5'-6" Twister Climb (GameTime 80363)	1,604.53	394.91
11 68 13 00-0890	EA	6'-0" Twister Climber (GameTime 80364)	1,680.68	413.67
11 68 13 00-0891	EA	Wavy Tree Climb 2'-6" To 3-0 (GameTime 80365)	1,409.76	348.59
11 68 13 00-0892	EA	Wavy Tree Climb 3'-6" To 4-0 (GameTime 80366)	1,518.27	373.96
11 68 13 00-0893	EA	Wavy Tree Climb 4'-6" To 5-0 (GameTime 80367)	1,631.47	402.64
11 68 13 00-0894	EA	3'-0" To 3'-6" Zipper Climber (GameTime 80368)	2,027.04	500.81
11 68 13 00-0895	EA	4'-0" To 4'-6" Zipper Climber (GameTime 80369)	2,135.55	526.18
11 68 13 00-0896	EA	5'-0" To 5'-6" Zipper Climber (GameTime 80370)	2,251.45	554.87
11 68 13 00-0897	EA	6'-0" Zipper Climber (GameTime 80371)	2,336.35	576.93
11 68 13 00-0898	EA	3'-6" Chunky Arch Climber (GameTime 80374)	2,121.41	521.77
11 68 13 00-0899	EA	4'-0"/5'-0" Chunky Arch (GameTime 80375)	2,219.10	547.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0900	EA	5'-0" Trunk Climber (GameTime 80376)	2,046.60	504.13
11 68 13 00-0901	EA	5'-6"/6'-0" Trunk Climber (GameTime 80377)	2,442.17	602.30
11 68 13 00-0902	EA	6'-6"/7'-0" Trunk Climber (GameTime 80378)	2,839.08	699.38
11 68 13 00-0903	EA	7'-6"/8'-0" Trunk Climber (GameTime 80379)	3,234.64	797.55
11 68 13 00-0904	EA	Double Megarock Climber (GameTime 80380)	13,272.91	3,270.76
11 68 13 00-0905	EA	Side Stepper Attachment (GameTime 80382)	1,497.36	369.54
11 68 13 00-0906	EA	Side Stepper Link (GameTime 80383)	2,135.55	526.18
11 68 13 00-0907	EA	Side Stepper Double Up (GameTime 80384)	2,696.23	664.07
11 68 13 00-0908	EA	Side Stepper Double Down (GameTime 80385)	2,558.07	630.99
11 68 13 00-0909	EA	Toad Stool Climber (GameTime 80386)	1,353.16	333.14
11 68 13 00-0910	EA	3'/3'-6" Bubble Climber (GameTime 80391)	1,291.15	318.80
11 68 13 00-0911	EA	4'-0" Bubble Climber (GameTime 80392)	1,384.17	340.87
11 68 13 00-0912	EA	4'-6"/5' Bubble Climber (GameTime 80393)	1,484.57	366.24
11 68 13 00-0913	EA	5'-6"/6' Bubble Climber (GameTime 80394)	1,577.58	388.30
11 68 13 00-0914	EA	2'-0" Leaning Wall Climber (GameTime 80395)	1,927.99	475.44
11 68 13 00-0915	EA	2'-6" Leaning Wall Climber (GameTime 80396)	2,262.91	558.17
11 68 13 00-0916	EA	3'-0" Leaning Wall Climber (GameTime 80397)	2,591.78	638.70
11 68 13 00-0917	EA	Incline Fat Pipe 2-Deck (GameTime 80407)	4,312.21	1,062.30
11 68 13 00-0918	EA	Fat Pipe Link 2-Deck St (GameTime 80408)	4,300.76	1,059.00
11 68 13 00-0919	EA	Fat Pipe Link 3-Deck St (GameTime 80409)	5,345.96	1,316.02
11 68 13 00-0920	EA	3'-0" Coaster Climb Link (GameTime 80410)	2,694.87	664.07
11 68 13 00-0921	EA	4' And 5' Coaster Climb Link (GameTime 80411)	2,886.94	710.41
11 68 13 00-0922	EA	Tree Climber Link 2-Deck (GameTime 80412)	3,182.10	783.22
11 68 13 00-0923	EA	2' Volcano Climber Attachment (GameTime 80416)	3,620.12	892.42
11 68 13 00-0924	EA	4' Volcano Climber Attachment (GameTime 80417)	5,286.65	1,301.68
11 68 13 00-0925	EA	6' Volcano Climber Attachment (GameTime 80418)	6,959.23	1,715.36
11 68 13 00-0926	EA	8' Vertical Climb Wall Attachment (GameTime 80419)	5,860.12	1,442.88
11 68 13 00-0927	EA	Ribbon Wall Climber Link (GameTime 80420)	13,953.55	3,437.32
11 68 13 00-0928	EA	Rock Wall Climber (GameTime 80421)	2,101.84	518.47
11 68 13 00-0929	EA	S Wall Climber Link (GameTime 80422)	8,685.06	2,138.96
11 68 13 00-0930	EA	Side Stepper - Double Up Attachment (GameTime 80423)	1,970.44	485.37
11 68 13 00-0931	EA	6' Cosmix Climber Attachment (GameTime 80424)	2,428.01	597.89
11 68 13 00-0932	EA	8' Cosmix Climber Attachment (GameTime 80425)	2,473.17	608.92
11 68 13 00-0933	EA	6' Cosmix Climber, Kidcourse (GameTime 80426)	1,673.93	413.67
11 68 13 00-0934	EA	8' Cosmix Climber, Kidcourse (GameTime 80427)	1,727.14	405.95
11 68 13 00-0935	EA	Poly Climbing Wall (GameTime 80428)	3,492.77	859.34
11 68 13 00-0936	EA	Poly Climbing Wall, KidCourse (GameTime 80429)	2,918.47	685.03
11 68 13 00-0937	EA	Sky Bridge Hanging Beam (GameTime 80430)	7,977.48	1,965.76
11 68 13 00-0938	EA	4' Flat Wall Attachment (GameTime 80431)	2,355.91	580.24
11 68 13 00-0939	EA	8' Flat Wall Attachment (GameTime 80432)	3,397.06	837.27
11 68 13 00-0940	EA	Side Stepper - Double Up (GameTime 80433)	1,313.42	323.22
11 68 13 00-0941	EA	Side Stepper - Double Down (GameTime 80434)	1,313.42	323.22
11 68 13 00-0942	EA	Giant Wave Climber (GameTime 80435)	2,872.79	707.10
11 68 13 00-0943	EA	7' Crazy Eight Climber (GameTime 80437)	2,002.79	493.10
11 68 13 00-0944	EA	8' Crazy Eight Climber (GameTime 80438)	2,103.19	518.47
11 68 13 00-0945	EA	Incline Cosmix Climber (GameTime 80439)	1,353.16	333.14
11 68 13 00-0946	EA	7'/7'-6" Tree Climber (GameTime 80440)	1,930.69	475.44
11 68 13 00-0947	EA	8' Tree Climber (GameTime 80441)	2,029.74	500.81
11 68 13 00-0948	EA	7'/7'-6" Bubble Climber (GameTime 80442)	1,692.13	416.98
11 68 13 00-0949	EA	8' Bubble Climber (GameTime 80443)	1,785.15	439.04
11 68 13 00-0950	EA	Tree Climber 3'-0", 3'-6" (GameTime 80444)	1,810.74	445.66
11 68 13 00-0951	EA	Tree Climber 4'-0", 4'-6" (GameTime 80445)	1,836.33	453.38
11 68 13 00-0952	EA	Tree Climber 5'-0", 5'-6" (GameTime 80446)	1,946.20	478.75
11 68 13 00-0953	EA	Tree Climber 6'-0", 6'-6" (GameTime 80447)	2,016.94	496.40
11 68 13 00-0954	EA	Tree Climber 7'-0", 7'-6" (GameTime 80448)	2,107.25	518.47
11 68 13 00-0955	EA	Tree Climber 8'-0" (GameTime 80449)	2,178.00	536.12
11 68 13 00-0956	EA	Criss-Cross Web (GameTime 80450)	7,429.59	1,831.18
11 68 13 00-0957	EA	Clover Leaf Climber 2'-0", 2'-6" (GameTime 80451)	2,062.10	507.44
11 68 13 00-0958	EA	Clover Leaf Climber 3'-0", 3'-6" (GameTime 80452)	2,384.22	586.86
11 68 13 00-0959	EA	Clover Leaf Climber 4'-0", 4'-6" (GameTime 80453)	2,706.33	667.39
11 68 13 00-0960	EA	1'-6" Entrance Barrier (GameTime 80601)	512.82	126.86
11 68 13 00-0961	EA	2'-0" Entrance Barrier (GameTime 80602)	542.47	134.59
11 68 13 00-0962	EA	2'-6" Entrance Barrier (GameTime 80603)	573.48	141.20
11 68 13 00-0963	EA	3'-0" Entrance Barrier (GameTime 80604)	604.47	148.92
11 68 13 00-0964	EA	3'-6" Entrance Barrier (GameTime 00605)	937.75	154.66
11 68 13 00-0965	EA	1'-6" Rung Deck Filler (GameTime 80606)	650.99	159.96
11 68 13 00-0966	EA	2'-0" Rung Deck Filler (GameTime 80607)	703.53	174.29
11 68 13 00-0967	EA	2'-6" Rung Deck Filler (GameTime 80608)	750.03	185.32
11 68 13 00-0968	EA	3'-0" Rung Deck Filler (GameTime 80609)	796.55	195.25
11 68 13 00-0969	EA	3'-6" Rung Deck Filler (GameTime 80610)	843.05	206.28
11 68 13 00-0970	EA	EN Slide Package (GameTime 80611)	208.92	50.74
11 68 13 00-0971	EA	Vertical Climber (GameTime 80627)	588.98	144.51
11 68 13 00-0972	EA	Rung Access 1'-6" (GameTime 80628)	1,340.36	329.84
11 68 13 00-0973	EA	Rung Access 2'-0" (GameTime 80629)	1,399.67	344.17
11 68 13 00-0974	EA	Rung Access 2'-6" (GameTime 80630)	1,458.98	358.51
11 68 13 00-0975	EA	Rung Access 3' And 4' (GameTime 80631)	1,529.72	377.27
11 68 13 00-0976	EA	Rung Access 3'-6" (GameTime 80632)	1,577.58	388.30
11 68 13 00-0977	EA	Rung Access 4'-6" (GameTime 80633)	1,636.88	402.64
11 68 13 00-0978	EA	Rung Access 5'-6" (GameTime 80634)	1,696.19	416.98
11 68 13 00-0979	EA	Rung Access 5' And 6' (GameTime 80635)	1,755.50	431.32
11 68 13 00-0980	EA	1'-6" Punched Steel Stair (GameTime 80636)	2,250.10	554.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0981	EA	2'-0" Punched Steel Stair (GameTime 80637)	2,487.32	613.33
11 68 13 00-0982	EA	2'-6" Punched Steel Stair (GameTime 80638)	2,724.53	670.70
11 68 13 00-0983	EA	3'-0" Punched Steel Stair (GameTime 80639)	2,961.75	729.16
11 68 13 00-0984	EA	Entry Archway (GameTime 80641)	826.19	202.98
11 68 13 00-0985	EA	Oset Archway (GameTime 80642)	692.08	169.88
11 68 13 00-0986		Playground Equipment (GameTime Models 80643 To 81234) *(11 68 13 00-0140)*		
11 68 13 00-0987	EA	2'-0" Accessible Steps (GameTime 80643)	2,283.81	561.49
11 68 13 00-0988	EA	4'-0" Accessible Steps (GameTime 80644)	4,210.46	1,036.93
11 68 13 00-0989	EA	6'-0" Accessible Steps (GameTime 80645)	6,137.08	1,512.38
11 68 13 00-0990	EA	3'-0" Punch Access Ladder (GameTime 80646)	2,562.13	630.99
11 68 13 00-0991	EA	4'-0" Punch Access Ladder (GameTime 80648)	2,888.29	710.41
11 68 13 00-0992	EA	5'-0" Punch Access Ladder (GameTime 80650)	3,220.50	794.25
11 68 13 00-0993	EA	6'-0" Punch Access Ladder (GameTime 80652)	3,546.67	873.67
11 68 13 00-0994	EA	3'-0" Transfer Point (GameTime 80653)	3,279.80	808.59
11 68 13 00-0995	EA	4'-0" Transfer Point (GameTime 80654)	4,059.49	1,000.53
11 68 13 00-0996	EA	5'-0" Transfer Point (GameTime 80655)	4,839.18	1,192.47
11 68 13 00-0997	EA	Access Attachment 3' And 4' (GameTime 80656)	824.84	202.98
11 68 13 00-0998	EA	Access Attachment 5' (GameTime 80657)	1,295.07	210.69
11 68 13 00-0999	EA	8'-0" Access Ladder (GameTime 80662)	4,046.69	997.22
11 68 13 00-1000	EA	Overhead Ladder Access Package (GameTime 80663)	916.50	225.03
11 68 13 00-1001	EA	Archway Kick Plate, 1'-6" (GameTime 80664)	1,341.71	329.84
11 68 13 00-1002	EA	Archway Kick Plate Package (GameTime 80665)	1,355.86	333.14
11 68 13 00-1003	EA	3'-0" Transfer Platform (GameTime 80673)	4,412.60	1,087.67
11 68 13 00-1004	EA	4'-0" Transfer Platform (GameTime 80674)	5,538.02	1,363.46
11 68 13 00-1005	EA	5'-0" Transfer Platform (GameTime 80675)	6,669.47	1,642.54
11 68 13 00-1006	EA	Access Dragon (GameTime 80676)	7,816.43	1,924.95
11 68 13 00-1007	EA	1'-6" Punched Stairs - CSA (GameTime 80681)	2,101.84	518.47
11 68 13 00-1008	EA	2'-0" Punched Stairs - CSA (GameTime 80682)	2,353.21	580.24
11 68 13 00-1009	EA	2'-6" Punched Stairs - CSA (GameTime 80683)	2,604.57	642.02
11 68 13 00-1010	EA	3'-0" Punched Stairs - CSA (GameTime 80684)	2,855.93	703.79
11 68 13 00-1011	EA	Accessible Trans Step Package (GameTime 80685)	1,354.51	333.14
11 68 13 00-1012	EA	Handhold/Kick Plate Package (GameTime 80686)	708.94	174.29
11 68 13 00-1013	EA	Handhold/Kick Plate Package (GameTime 80687)	744.54	122.89
11 68 13 00-1014	EA	2' Tri Transfer Platform (GameTime 80688)	3,672.46	605.94
11 68 13 00-1015	EA	Handhold Package (GameTime 80689)	238.56	58.47
11 68 13 00-1016	EA	6" Accessible Step (GameTime 80690)	1,328.91	326.52
11 68 13 00-1017	EA	90 Degree Caterpillar Attachment (GameTime 80691)	2,899.74	714.82
11 68 13 00-1018	EA	Inchworm Climber Attachment (GameTime 80692)	2,854.58	703.79
11 68 13 00-1019	EA	Inchworm Climber Link (GameTime 80693)	3,559.46	876.98
11 68 13 00-1020	EA	12" Stepped Platform (GameTime 80694)	2,031.09	500.81
11 68 13 00-1021	EA	Archway Step Package - 2' Rise (GameTime 80695)	2,042.54	504.13
11 68 13 00-1022	EA	4' Crawl Tube With Spy Holes (GameTime 80701)	2,221.81	547.15
11 68 13 00-1023	EA	8' Crawl Tube With Spy Holes (GameTime 80702)	3,117.39	768.88
11 68 13 00-1024	EA	2' Crawl Tube With Spy Holes (GameTime 80703)	1,927.99	475.44
11 68 13 00-1025	EA	90 Degree Crawl Tube With Spy (GameTime 80704)	2,178.00	536.12
11 68 13 00-1026	EA	LCrawl Tube (GameTime 80705)	3,180.75	783.22
11 68 13 00-1027	EA	P-A-B " L" Crawl Tube - Clear (GameTime 80706)	5,064.94	1,247.63
11 68 13 00-1028	EA	P-A-B " L" Crawl Tube - Smoke (GameTime 80707)	5,064.94	1,247.63
11 68 13 00-1029	EA	Crawl Tube Attachment (GameTime 80708)	1,617.32	399.32
11 68 13 00-1030	EA	180 Degree Crawl Tube (GameTime 80709)	3,283.86	808.59
11 68 13 00-1031	EA	4' Clear Crawl Tube (GameTime 80710	3,974.59	978.47
11 68 13 00-1032	EA	8' Clear Crawl Tube (GameTime 80711)	6,724.72	1,656.89
11 68 13 00-1033	EA	4' Smoke Crawl Tube (GameTime 80712)	3,974.59	978.47
11 68 13 00-1034	EA	8' Smoke Crawl Tube (GameTime 80713)	6,724.72	1,656.89
11 68 13 00-1035	EA	S' Crawl Tube (GameTime 80714)	3,064.84	754.53
11 68 13 00-1036	EA	8' Tunnel-Up (GameTime 80715)	4,043.99	997.22
11 68 13 00-1037	EA	Sidewinder Crawl Tube (GameTime 80717)	3,690.86	910.08
11 68 13 00-1038	EA	Boomerang Crawl Tube (GameTime 80718)	4,272.46	1,051.27
11 68 13 00-1039	EA	Big Dipper Crawl Tube (GameTime 80719)	2,680.73	659.66
11 68 13 00-1040	EA	Down Under Crawl Tube (GameTime 80720)	5,268.44	1,298.37
11 68 13 00-1041	EA	Tsunami Crawl Tube (GameTime 80721)	5,268.44	1,298.37
11 68 13 00-1042	EA	30" Punched Crawl Tube Above Deck (GameTime 80722)	6,445.06	1,588.50
11 68 13 00-1043	EA	30" Punched Crawl Tube Below Deck (GameTime 80723)	7,069.08	1,740.73
11 68 13 00-1044	EA	4-Way Crawl Tube (GameTime 80724)	4,446.32	1,095.40
11 68 13 00-1045	EA	Criss Cross Crawl Tube (GameTime 80725)	8,048.21	1,983.41
11 68 13 00-1046	EA	Double Down Under Crawl Tube (GameTime 80726)	7,333.25	1,805.81
11 68 13 00-1047	EA	Zig Zag Crawl Tube (GameTime 80727)	6,372.95	1,569.74
11 68 13 00-1048	EA	Rung Enclosure (GameTime 80776)	1,019.61	250.41
11 68 13 00-1049	EA	Dolphin Enclosure (GameTime 80778)	1,505.48	369.54
11 68 13 00-1050	EA	Shooting Star Enclosure (GameTime 80784)	1,204.90	297.85
11 68 13 00-1051	EA	Butterfly Enclosure (GameTime 80788)	1,204.90	297.85
11 68 13 00-1052	EA	Custom Steel Enclosure (GameTime 80789)	1,505.48	369.54
11 68 13 00-1053	EA	Eagle Perch Enclosure (GameTime 80792)	1,204.90	297.85
11 68 13 00-1054	EA	Stencil Enclosure (GameTime 80807)	1,204.90	297.85
11 68 13 00-1055	EA	Crow' S Nest Platform (GameTime 80809)	1,884.19	464.41
11 68 13 00-1056	EA	Crow' S Nest With Steer Wheel (GameTime 80810)	2,149.70	529.50
11 68 13 00-1057	EA	Veranda (GameTime 80814)	2,238.66	551.56
11 68 13 00-1058	EA	Steering Wheel Enclosure (GameTime 80815)	1,291.15	318.80
11 68 13 00-1059	EA	Double Steering Wheel Enclosure (GameTime 80816)	1,532.43	377.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1060	EA	Contoured Seat Panel (GameTime 80817)	1,577.58	388.30
11 68 13 00-1061	EA	Funnel Enclosure (GameTime 80818)	988.60	242.69
11 68 13 00-1062	EA	Metal Mirror Panel (GameTime 80819)	1,944.85	478.75
11 68 13 00-1063	EA	Balustrade Enclosure (GameTime 80820)	1,372.72	337.55
11 68 13 00-1064	EA	Enclosure With Timber (GameTime 80821)	1,617.32	399.32
11 68 13 00-1065	EA	Flat Mirror Panel (GameTime 80822)	2,064.80	507.44
11 68 13 00-1066	EA	Wavy Mirror Panel (GameTime 80826)	3,351.90	826.24
11 68 13 00-1067	EA	Rain Wheel Panel (GameTime 80827)	2,340.41	576.93
11 68 13 00-1068	EA	4' Enclosure Panel With Graphics (GameTime 80828)	1,019.61	250.41
11 68 13 00-1069	EA	Accessibility Panel (GameTime 80829)	1,104.50	272.47
11 68 13 00-1070	EA	Window Panel (GameTime 80830)	1,487.27	366.24
11 68 13 00-1071	EA	Mini Bus Panel (GameTime 80831)	1,442.11	355.21
11 68 13 00-1072	EA	Piston Panel Enclosure (GameTime 80832)	3,134.25	772.18
11 68 13 00-1073	EA	Round Mirror Panel Enclosure (GameTime 80833)	1,953.58	482.07
11 68 13 00-1074	EA	Zoo Panel Enclosure (GameTime 80835)	1,337.66	329.84
11 68 13 00-1075	EA	Bubble Panel (GameTime 80836)	1,337.66	329.84
11 68 13 00-1076	EA	Bug Eye Panel (GameTime 80837)	1,898.34	467.73
11 68 13 00-1077	EA	Bright View Panel (GameTime 80838)	1,704.92	420.29
11 68 13 00-1078	EA	Space Window (GameTime 80839)	1,505.48	369.54
11 68 13 00-1079	EA	Interactive Panel - Animal (GameTime 80841)	1,591.72	391.61
11 68 13 00-1080	EA	Counting Panel (GameTime 80843)	1,591.72	391.61
11 68 13 00-1081	EA	Math Panel (GameTime 80844)	1,591.72	391.61
11 68 13 00-1082	EA	Objects Panel (GameTime 80845)	1,591.72	391.61
11 68 13 00-1083	EA	Shapes Panel (GameTime 80846)	1,591.72	391.61
11 68 13 00-1084	EA	Noah' S Ark Panel (GameTime 80847)	1,591.72	391.61
11 68 13 00-1085	EA	Endangered Species Panel (GameTime 80848)	1,591.72	391.61
11 68 13 00-1086	EA	Nature Panel (GameTime 80849)	1,591.72	391.61
11 68 13 00-1087	EA	Solar Panel (GameTime 80850)	1,591.72	391.61
11 68 13 00-1088	EA	Tic-Tac-Toe Panel Enclosure (GameTime 80854)	1,646.98	405.95
11 68 13 00-1089	EA	Custom Text Disc Panel (GameTime 80855)	2,148.35	529.50
11 68 13 00-1090	EA	Custom Mascot Panel (GameTime 80856)	2,411.17	594.59
11 68 13 00-1091	EA	Anchors Away Panel (GameTime 80859)	2,225.86	547.15
11 68 13 00-1092	EA	Castle Window Panel (GameTime 80860)	2,221.81	547.15
11 68 13 00-1093	EA	Coat Of Arms Panel (GameTime 80861)	1,792.53	442.35
11 68 13 00-1094	EA	Count And Spell Panel (GameTime 80862)	1,765.58	434.63
11 68 13 00-1095	EA	Count And Spell Panel (GameTime 80863)	2,696.23	664.07
11 68 13 00-1096	EA	Maze Time Panel (GameTime 80864)	2,310.76	569.21
11 68 13 00-1097	EA	Ocean Liner Panel (GameTime 80865)	2,310.76	569.21
11 68 13 00-1098	EA	Royal Castle Panel (GameTime 80866)	3,903.83	960.82
11 68 13 00-1099	EA	Tower Guard Panel (GameTime 80867)	4,457.75	1,098.71
11 68 13 00-1100	EA	Contoured Seat - Below Deck (GameTime 80868)	1,297.91	318.80
11 68 13 00-1101	EA	Metal Storefront Panel (GameTime 80869)	1,483.21	366.24
11 68 13 00-1102	EA	Store Panel (GameTime 80876)	1,617.32	399.32
11 68 13 00-1103	EA	Battle Knight Panel (GameTime 80877)	2,748.77	678.42
11 68 13 00-1104	EA	Princess Panel (GameTime 80879)	2,748.77	678.42
11 68 13 00-1105	EA	Thespian Theater Panel (GameTime 80881)	2,748.77	678.42
11 68 13 00-1106	EA	Flat Mirror - Below Deck (GameTime 80883)	2,064.80	507.44
11 68 13 00-1107	EA	Wavy Mirror - Below Deck (GameTime 80884)	3,502.86	862.64
11 68 13 00-1108	EA	Rung Enclosure - Below Deck (GameTime 80886)	1,019.61	250.41
11 68 13 00-1109	EA	Dolphin Enclosure Below Deck (GameTime 80888)	1,505.48	369.54
11 68 13 00-1110	EA	Shooting Star Enclosure (GameTime 80895)	1,505.48	369.54
11 68 13 00-1111	EA	Butterfly Enclosure Below Deck (GameTime 80898)	1,532.43	377.27
11 68 13 00-1112	EA	Eagle Perch Enclosure Below Deck (GameTime 80903)	1,505.48	369.54
11 68 13 00-1113	EA	Stencil Enclosure Below Deck (GameTime 80907)	1,505.48	369.54
11 68 13 00-1114	EA	Custom Steel Enclosure Below (GameTime 80913)	1,505.48	369.54
11 68 13 00-1115	EA	Steering Wheel Enclosure Below (GameTime 80919)	1,291.15	318.80
11 68 13 00-1116	EA	Double Steering Wheel Enclosure (GameTime 80920)	1,535.13	377.27
11 68 13 00-1117	EA	Metal Mirror Panel - Below (GameTime 80922)	1,944.85	478.75
11 68 13 00-1118	EA	Enclosure With Timber Below (GameTime 80923)	1,617.32	399.32
11 68 13 00-1119	EA	Double Seat (GameTime 80924)	1,245.66	205.51
11 68 13 00-1120	EA	Leaning Rail (GameTime 80925)	350.42	87.15
11 68 13 00-1121	EA	Leaf Enclosure (GameTime 80926)	1,238.61	304.46
11 68 13 00-1122	EA	Telescope Enclosure (GameTime 80927)	2,152.40	529.50
11 68 13 00-1123	EA	Kaleidoscope Enclosure (GameTime 80928)	2,225.86	547.15
11 68 13 00-1124	EA	Gizmo Panel - 5 Gizmos (GameTime 80930)	837.64	206.28
11 68 13 00-1125	EA	Single Gizmo Panel (GameTime 80931)	626.41	119.13
11 68 13 00-1126	EA	Gizmo Panel ADA - 3 Gizmos Below Deck (GameTime 80932)	993.79	164.37
11 68 13 00-1127	EA	Decorative Panel (GameTime 80933)	823.49	202.98
11 68 13 00-1128	EA	Decorative Panel With Wheel (GameTime 80934)	1,062.05	261.44
11 68 13 00-1129	EA	Wide Platform Barrier (GameTime 80935)	1,087.65	268.06
11 68 13 00-1130	EA	Choo Panel (GameTime 80936)	1,266.90	312.18
11 68 13 00-1131	EA	Drivers Panel (GameTime 80937)	1,266.90	312.18
11 68 13 00-1132	EA	Telescope Enclosure Panel Below Deck (GameTime 80938)	2,738.69	674.01
11 68 13 00-1133	EA	Kaleidoscope Enclosure Panel Below Deck (GameTime 80939)	2,351.86	580.24
11 68 13 00-1134	EA	Double Steering Wheel Enclosure - 6" - 8' (GameTime 80940)	1,630.12	402.64
11 68 13 00-1135	EA	30" Bubble Panel (GameTime 80941)	1,365.96	337.55
11 68 13 00-1136	EA	Arch Bridge - 98" Link (GameTime 81101)	7,635.79	1,881.92
11 68 13 00-1137	EA	Arch Bridge - 147" Link (GameTime 81102)	8,683.71	2,138.96
11 68 13 00-1138	EA	Challenge Canyon Bridge (GameTime 81103)	4,679.48	1,152.76
11 68 13 00-1139	EA	90 Degree Curved Bridge (GameTime 81105)	8,286.77	2,041.88
11 68 13 00-1140	EA	S Curved Bridge (GameTime 81106)	15,735.98	3,876.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1141	EA	90 Degree Funnel Bridge (GameTime 81107)	6,296.80	1,552.09
11 68 13 00-1142	EA	Funnel Bridge - 49" (GameTime 81108)	3,885.64	957.51
11 68 13 00-1143	EA	Funnel Bridge - 98" (GameTime 81109)	5,224.66	1,287.35
11 68 13 00-1144	EA	Lo-Wave Bridge With Barrier (GameTime 81110)	3,706.37	913.38
11 68 13 00-1145	EA	Hi-Wave Bridge With Barrier (GameTime 81111)	3,870.12	953.10
11 68 13 00-1146	EA	Mini-Arch Bridge (GameTime 81112)	3,911.23	964.13
11 68 13 00-1147	EA	Suspension Bridge (GameTime 81113)	7,831.93	1,929.36
11 68 13 00-1148	EA	90 Degree Lily Pad Link (GameTime 81114)	4,151.15	1,022.60
11 68 13 00-1149	EA	Straight Lily Pad 2 Deck (GameTime 81115)	3,898.42	960.82
11 68 13 00-1150	EA	Serpentine Lily Pad 2 Deck (GameTime 81116)	4,299.41	1,059.00
11 68 13 00-1151	EA	Straight Lily Pad 3 Deck (GameTime 81118)	4,889.73	1,203.50
11 68 13 00-1152	EA	Serpentine Lily Pad 3 Deck (GameTime 81119)	5,296.75	1,304.99
11 68 13 00-1153	EA	Sky Bridge (GameTime 81121)	9,946.55	2,451.13
11 68 13 00-1154	EA	Funnel Suspension Bridge (GameTime 81140)	7,915.46	1,950.32
11 68 13 00-1155	EA	Incline Cosmix Offset (GameTime 81141)	2,533.83	623.26
11 68 13 00-1156	EA	Incline Cosmix Center (GameTime 81142)	2,487.32	613.33
11 68 13 00-1157	EA	Giant Wave Climber Link (GameTime 81143)	4,032.54	993.91
11 68 13 00-1158	EA	Mini Pod Link, Single (GameTime 81144)	1,274.14	307.77
11 68 13 00-1159	EA	Mini Pod Link, Double (GameTime 81145)	2,586.37	638.70
11 68 13 00-1160	EA	Inclined Mini Pod Link 1'-0" - 2'-6" (GameTime 81146)	1,282.42	315.49
11 68 13 00-1161	EA	Inclined Mini Pod Link 1'-0" - 3'-0" (GameTime 81147)	2,635.58	648.63
11 68 13 00-1162	EA	1'-0" Stepped Platform (GameTime 81201)	2,719.12	670.70
11 68 13 00-1163	EA	2'-0" Stepped Platform (GameTime 81202)	3,004.19	740.19
11 68 13 00-1164	EA	2'-6" Stepped Platform (GameTime 81203)	3,944.94	971.85
11 68 13 00-1165	EA	3'-0" Stepped Platform (GameTime 81204)	4,329.06	1,065.61
11 68 13 00-1166	EA	4'-0" Stepped Platform (GameTime 81205)	5,062.24	1,247.63
11 68 13 00-1167	EA	3'-0" Peek-A-Boo-Clear (GameTime 81216)	4,501.57	1,109.74
11 68 13 00-1168	EA	4'-0" Peek-A-Boo-Clear (GameTime 81217)	4,856.02	1,196.89
11 68 13 00-1169	EA	5'-0" Peek-A-Boo-Clear (GameTime 81218)	5,210.48	1,284.03
11 68 13 00-1170	EA	6'-0" Peek-A-Boo-Clear (GameTime 81219)	5,564.96	1,370.08
11 68 13 00-1171	EA	3'-0" Peek-A-Boo-Smoke (GameTime 81220)	4,501.57	1,109.74
11 68 13 00-1172	EA	4'-0" Peek-A-Boo-Smoke (GameTime 81221)	4,856.02	1,196.89
11 68 13 00-1173	EA	5'-0" Peek-A-Boo-Smoke (GameTime 81222)	5,210.48	1,284.03
11 68 13 00-1174	EA	6'-0" Peek-A-Boo-Smoke (GameTime 81223)	5,564.96	1,370.08
11 68 13 00-1175	EA	4'-0" Quick 'L' Tube Slide (GameTime 81224)	3,293.95	811.89
11 68 13 00-1176	EA	5'-0" Quick 'L' Tube Slide (GameTime 81225)	3,750.17	924.41
11 68 13 00-1177	EA	6'-0" Quick 'L' Tube Slide (GameTime 81226)	4,206.40	1,036.93
11 68 13 00-1178	EA	8' Quick 'L'Tube Slide (GameTime 81227)	5,211.84	1,284.03
11 68 13 00-1179	EA	8' Quick 'L'Tube Slide Clear (GameTime 81228)	6,843.33	1,685.57
11 68 13 00-1180	EA	8' Quick 'L'Tube Slide Smoke (GameTime 81229)	6,843.33	1,685.57
11 68 13 00-1181	EA	4'-0"'L'Tube Slide (GameTime 81230)	3,473.22	856.02
11 68 13 00-1182	EA	5'-0"'L'Tube Slide (GameTime 81231)	3,823.62	943.17
11 68 13 00-1183	EA	6'-0"'L'Tube Slide (GameTime 81232)	4,169.35	1,025.90
11 68 13 00-1184	EA	4'-0" Peek-A-Boo Clear (GameTime 81233)	4,994.19	1,228.88
11 68 13 00-1185	EA	5'-0" Peek-A-Boo Clear (GameTime 81234)	5,432.21	1,338.09

11 68 13 00-1186 Playground Equipment (GameTime Models 81235 To 81652) *(11 68 13 00-0140)*

11 68 13 00-1187	EA	6'-0" Peek-A-Boo Clear (GameTime 81235)	5,868.86	1,447.29
11 68 13 00-1188	EA	4'-0" Peek-A-Boo Smoke (GameTime 81236)	5,081.79	1,250.93
11 68 13 00-1189	EA	5'-0" Peek-A-Boo Smoke (GameTime 81237)	5,442.31	1,341.39
11 68 13 00-1190	EA	6'-0" Peek-A-Boo Smoke (GameTime 81238)	5,796.78	1,428.54
11 68 13 00-1191	EA	5' Quick ' S' Tube Slide (GameTime 81239)	3,899.78	960.82
11 68 13 00-1192	EA	6' Quick ' S' Tube Slide (GameTime 81240)	4,398.45	1,084.37
11 68 13 00-1193	EA	4' ' S' Tube Slide (GameTime 81241)	3,624.18	892.42
11 68 13 00-1194	EA	5' ' S' Tube Slide (GameTime 81242)	4,046.69	997.22
11 68 13 00-1195	EA	6' ' S' Tube Slide (GameTime 81243)	4,461.81	1,098.71
11 68 13 00-1196	EA	5' ' S' Peek-A-Boo Clear (GameTime 81244)	5,550.83	1,366.77
11 68 13 00-1197	EA	6' ' S' Peek-A-Boo Clear (GameTime 81245)	5,902.59	1,453.91
11 68 13 00-1198	EA	5' ' S' Peek-A-Boo Smoke (GameTime 1246)	5,652.56	1,392.14
11 68 13 00-1199	EA	6' ' S' Peek-A-Boo Smoke (GameTime 81247)	6,226.05	1,533.34
11 68 13 00-1200	EA	Spiral Tube Slide (GameTime 81248)	5,638.42	1,388.83
11 68 13 00-1201	EA	120 Degree Tube Slide (GameTime 81249)	4,388.37	1,081.06
11 68 13 00-1202	EA	2'-0" Straight Tube Slide (GameTime 81250)	2,605.92	642.02
11 68 13 00-1203	EA	3'-0" Straight Tube Slide (GameTime 81251)	2,974.54	732.47
11 68 13 00-1204	EA	4'-0" Straight Tube Slide (GameTime 81252)	3,343.16	822.92
11 68 13 00-1205	EA	5'-0" Straight Tube Slide (GameTime 81253)	3,711.78	913.38
11 68 13 00-1206	EA	6'-0" Straight Tube Slide (GameTime 81254)	4,089.14	1,008.25
11 68 13 00-1207	EA	Wiggle Slide (GameTime 81255)	5,858.77	1,442.88
11 68 13 00-1208	EA	Flip Slide (GameTime 81265)	3,167.95	779.91
11 68 13 00-1209	EA	Flip Slide With Tunnel (GameTime 81266)	3,535.22	870.36
11 68 13 00-1210	EA	Flip Slide With Hood (GameTime 81267)	3,175.35	783.22
11 68 13 00-1211	EA	Wishbone Slide (GameTime 81268)	5,682.22	1,399.86
11 68 13 00-1212	EA	Wildslide Exit Section (GameTime 81274)	1,166.51	286.81
11 68 13 00-1213	EA	Wildslide Straight Section (GameTime 81275)	547.88	134.59
11 68 13 00-1214	EA	Wildslide Left Curve (GameTime 81276)	547.88	134.59
11 68 13 00-1215	EA	Wildslide Right Curve (GameTime 81277)	547.88	134.59
11 68 13 00-1216	EA	Wildslide 3' Support (GameTime 81278)	221.71	54.06
11 68 13 00-1217	EA	Wildslide 4' Support (GameTime 81279)	252.71	61.77
11 68 13 00-1218	EA	Little Foot Slide (GameTime 81286)	1,663.83	409.26
11 68 13 00-1219	EA	Little Foot With Hood (GameTime 81287)	1,692.13	416.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1220	EA	3'-0" S.S. Straight Chuter (GameTime 81288)	2,631.52	648.63
11 68 13 00-1221	EA	4'-0" S.S. Straight Chuter (GameTime 81289)	2,956.34	729.16
11 68 13 00-1222	EA	5'-0" S.S. Straight Chuter (GameTime 81290)	3,281.15	808.59
11 68 13 00-1223	EA	6'-0" S.S. Straight Chuter (GameTime 81291)	3,605.97	888.01
11 68 13 00-1224	EA	7'-0" S.S. Straight Chuter (GameTime 81292)	3,930.78	968.54
11 68 13 00-1225	EA	8'-0" S.S. Straight Chuter (GameTime 81293)	4,255.60	1,047.97
11 68 13 00-1226	EA	3'-0" S.S. Double Chuter (GameTime 81294)	4,077.69	1,003.84
11 68 13 00-1227	EA	4'-0" S.S. Double Chuter (GameTime 81295)	4,564.91	1,124.08
11 68 13 00-1228	EA	5'-0" S.S. Double Chuter (GameTime 81296)	5,169.39	1,273.00
11 68 13 00-1229	EA	6'-0" S.S. Double Chuter (GameTime 81297)	5,773.88	1,421.92
11 68 13 00-1230	EA	7'-0" S.S. Double Chuter (GameTime 81298)	6,384.41	1,574.15
11 68 13 00-1231	EA	8'-0" S.S. Double Chuter (GameTime 81299)	6,988.88	1,721.97
11 68 13 00-1232	EA	Bigfoot Slide (GameTime 81300)	8,269.93	2,037.47
11 68 13 00-1233	EA	6'-0" Rockslide (GameTime 81301)	8,716.08	2,146.67
11 68 13 00-1234	EA	7'-0" Rockslide (GameTime 81303)	8,716.08	2,146.67
11 68 13 00-1235	EA	8'-0" Rockslide (GameTime 81305)	8,716.08	2,146.67
11 68 13 00-1236	EA	4'-0" S.S. Spiral Slide (GameTime 81311)	26,111.75	6,432.30
11 68 13 00-1237	EA	5'-0" S.S. Spiral Slide (GameTime 81312)	26,169.87	6,446.64
11 68 13 00-1238	EA	6'-0" S.S. Spiral Slide (GameTime 81313)	26,227.76	6,460.98
11 68 13 00-1239	EA	Sky-Hi Spiral Tube Slide (GameTime 81314)	5,854.72	1,442.88
11 68 13 00-1240	EA	Sky-Hi Spiral P-A-B Clear (GameTime 81315)	7,905.38	1,947.01
11 68 13 00-1241	EA	Sky-Hi Spiral P-A-B Smoke (GameTime 81316)	7,905.38	1,947.01
11 68 13 00-1242	EA	8' Straight Tube Slide (GameTime 81317)	5,106.05	1,258.66
11 68 13 00-1243	EA	8' Straight P-A-B-Clear (GameTime 81318)	6,872.97	1,693.29
11 68 13 00-1244	EA	8' Straight P-A-B-Smoke (GameTime 81319)	6,872.97	1,693.29
11 68 13 00-1245	EA	4' F5 Slide Attachment (GameTime 81320)	8,003.08	1,972.38
11 68 13 00-1246	EA	5'-0" F5 Spiral Slide (GameTime 81321)	7,728.81	1,903.99
11 68 13 00-1247	EA	6' F5 Slide Attachment (GameTime 81322)	7,459.24	1,838.90
11 68 13 00-1248	EA	1' Wildslide Exit Section (GameTime 81323)	840.34	206.28
11 68 13 00-1249	EA	Wildslide 135 Degree Section (GameTime 81324)	870.00	214.01
11 68 13 00-1250	EA	Wildslide Entrance Section (GameTime 81325)	1,489.97	366.24
11 68 13 00-1251	EA	Wildslide Double Entrance Section (GameTime 81326)	3,867.42	953.10
11 68 13 00-1252	EA	4'-6" F5 Spiral Slide (GameTime 81327)	8,003.08	1,972.38
11 68 13 00-1253	EA	5'-6" F5 Spiral Slide (GameTime 81328)	7,728.81	1,903.99
11 68 13 00-1254	EA	Double Over-N-Under Wildslide (GameTime 81329)	9,360.30	2,306.63
11 68 13 00-1255	EA	Wilderslide Outrigger (GameTime 81330)	268.22	65.09
11 68 13 00-1256	EA	4'-0" F5 Spiral Slide (GameTime 81331)	7,459.24	1,838.90
11 68 13 00-1257	EA	4'-6" F5 Spiral Slide (GameTime 81332)	7,459.24	1,838.90
11 68 13 00-1258	EA	5'-0" F5 Spiral Slide (GameTime 81333)	7,184.99	1,769.40
11 68 13 00-1259	EA	5'-6" F5 Spiral Slide (GameTime 81334)	7,184.99	1,769.40
11 68 13 00-1260	EA	6'-0" F5 Spiral Slide (GameTime 81335)	6,916.77	1,704.32
11 68 13 00-1261	EA	4' Zip Slide (GameTime 81337)	2,268.31	558.17
11 68 13 00-1262	EA	5' Zip Slide (GameTime 81338)	2,487.32	613.33
11 68 13 00-1263	EA	6' Wave Zip Slide (GameTime 81339)	2,778.43	685.03
11 68 13 00-1264	EA	Rumble Slide With Metal Enclosure (GameTime 81340)	2,944.88	724.75
11 68 13 00-1265	EA	Double Slide With Metal Enclosure (GameTime 81341)	3,134.25	772.18
11 68 13 00-1266	EA	6' Dueling Wave Zip Slide (GameTime 81342)	3,548.03	873.67
11 68 13 00-1267	EA	4' Double Zip Slide (GameTime 81343)	2,925.34	721.45
11 68 13 00-1268	EA	5' Double Zip Slide (GameTime 81344)	3,283.86	808.59
11 68 13 00-1269	EA	7' Double Zip Slide (GameTime 81345)	4,947.68	1,217.85
11 68 13 00-1270	EA	3' Wave Zip Slide (GameTime 81346)	1,677.98	413.67
11 68 13 00-1271	EA	3' Curved Zip Slide (GameTime 81347)	1,810.74	445.66
11 68 13 00-1272	EA	3' Rumble And Roll Zip Slide (GameTime 81348)	2,401.06	591.27
11 68 13 00-1273	EA	Zip Slide - 7'-6", 8'-0" (GameTime 81349)	3,782.52	932.14
11 68 13 00-1274	EA	Zip Slide With Gizmos - 7'-6", 8'-0" (GameTime 81350)	5,045.39	1,243.22
11 68 13 00-1275	EA	2' And 3' Climbing Pole (GameTime 81451)	1,371.37	337.55
11 68 13 00-1276	EA	4' And 5' Climbing Pole (GameTime 81452)	1,384.17	340.87
11 68 13 00-1277	EA	6' Climbing Pole (GameTime 81453)	1,605.88	394.91
11 68 13 00-1278	EA	2'-6" And 3-6" Climbing Pole (GameTime 81454)	1,255.47	307.77
11 68 13 00-1279	EA	2'-0" Oset Horizontal Ladder (GameTime 81460)	1,692.13	416.98
11 68 13 00-1280	EA	2'-6" Oset Horizontal Ladder (GameTime 81461)	1,777.04	439.04
11 68 13 00-1281	EA	3'-0" Oset Horizontal Ladder (GameTime 81462)	1,855.89	456.70
11 68 13 00-1282	EA	Oset Horizontal Ladder Link (GameTime 81463)	1,247.35	307.77
11 68 13 00-1283	EA	SHorizontal Ladder 1'-6" Attachment (GameTime 81464)	1,505.48	369.54
11 68 13 00-1284	EA	SHorizontal Ladder 2'-0" Attachment (GameTime 81465)	1,586.32	391.61
11 68 13 00-1285	EA	SHorizontal Ladder 2'-6" Attachment (GameTime 81466)	1,661.13	409.26
11 68 13 00-1286	EA	SHorizontal Ladder 3'-0" Attachment (GameTime 81467)	1,735.93	428.01
11 68 13 00-1287	EA	SHorizontal Ladder Link (GameTime 81468)	1,004.09	247.10
11 68 13 00-1288	EA	1'-6" Horizontal Loop Attachment 98" (GameTime 81469)	1,497.36	369.54
11 68 13 00-1289	EA	2'-0" Horizontal Loop Attachment 98" (GameTime 81470)	1,527.02	377.27
11 68 13 00-1290	EA	2'-6" Horizontal Loop Attachment 98" (GameTime 81471)	1,556.67	383.88
11 68 13 00-1291	EA	3'-0" Horizontal Loop Attachment 98" (GameTime 81472)	1,586.32	391.61
11 68 13 00-1292	EA	Horizontal Ladder Link 98" (GameTime 81473)	967.68	239.38
11 68 13 00-1293	EA	2'-6" Horizontal Loop Attachment 147" (GameTime 81476)	1,781.09	439.04
11 68 13 00-1294	EA	3'-0" Horizontal Loop Attachment 147" (GameTime 81477)	1,810.74	445.66
11 68 13 00-1295	EA	Horizontal Ladder Link 147" (GameTime 81478)	1,190.75	293.43
11 68 13 00-1296	EA	1'-6" 90 Degree Loop Ladder (GameTime 81479)	1,605.88	394.91
11 68 13 00-1297	EA	2'-0" 90 Degree Loop Ladder (GameTime 81480)	1,679.33	413.67
11 68 13 00-1298	EA	2'-6" 90 Degree Loop Ladder (GameTime 81481)	1,752.79	431.32
11 68 13 00-1299	EA	3'-0" 90 Degree Loop Ladder (GameTime 81482)	1,826.24	450.07
11 68 13 00-1300	EA	90 Degree Loop Ladder Link (GameTime 81483)	1,086.30	268.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1301	EA	1'-6" Loop Ladder Attachment 98" (GameTime 81484)	1,662.48	409.26
11 68 13 00-1302	EA	2'-0" Loop Ladder Attachment 98" (GameTime 81485)	1,690.78	416.98
11 68 13 00-1303	EA	2'-6" Loop Ladder Attachment 98" (GameTime 81486)	1,719.08	424.70
11 68 13 00-1304	EA	3'-0" Loop Ladder Attachment 98" (GameTime 81487)	1,747.38	431.32
11 68 13 00-1305	EA	SHorizontal Loop Ladder Link 98 (GameTime 81488)	1,104.50	272.47
11 68 13 00-1306	EA	1'-6" Rev Loop Ladder 98" (GameTime 81489)	1,587.67	391.61
11 68 13 00-1307	EA	2'-0" Rev Loop Ladder 98" (GameTime 81490)	1,651.03	405.95
11 68 13 00-1308	EA	2'-6" Rev Loop Ladder 98" (GameTime 81491)	1,720.43	424.70
11 68 13 00-1309	EA	3'-0" Rev Loop Ladder 98" (GameTime 81492)	1,783.80	439.04
11 68 13 00-1310	EA	Rev ' S' Loop Ladder Link 98" (GameTime 81493)	1,151.00	282.40
11 68 13 00-1311	EA	2'-0" Loop Climb Attachment Rev (GameTime 81495)	3,738.73	921.11
11 68 13 00-1312	EA	3'-0" Loop Climb Attachment Rev (GameTime 81497)	3,837.77	946.48
11 68 13 00-1313	EA	1'-6"/2'-0" Loop Climb Rev (GameTime 81498)	3,117.39	768.88
11 68 13 00-1314	EA	2'-6"/3'-0" Loop Climb Rev (GameTime 81499)	3,147.04	775.49
11 68 13 00-1315	EA	2'-0" Loop Space Climb Attachment (GameTime 81501)	3,727.27	917.79
11 68 13 00-1316	EA	3'-0" Loop Space Climb Attachment (GameTime 81503)	3,870.12	953.10
11 68 13 00-1317	EA	1'-6"/2'-0" Loop Space Link (GameTime 81504)	3,117.39	768.88
11 68 13 00-1318	EA	2'-6"/3'-0" Loop Space Link (GameTime 81505)	3,105.95	765.56
11 68 13 00-1319	EA	1'-6" Horizontal Loop Attachment 98" (GameTime 81506)	1,577.58	388.30
11 68 13 00-1320	EA	2'-0" Horizontal Loop Attachment 98" (GameTime 81507)	1,651.03	405.95
11 68 13 00-1321	EA	2'-6" Horizontal Loop Attachment 98" (GameTime 81508)	1,724.49	424.70
11 68 13 00-1322	EA	3'-0" Horizontal Loop Attachment 98" (GameTime 81509)	1,797.94	442.35
11 68 13 00-1323	EA	Horizontal Loop Ladder Link 98" Link (GameTime 81510)	1,059.35	261.44
11 68 13 00-1324	EA	3'-0" Horizontal Loop Attachment 147" (GameTime 81514)	2,101.84	518.47
11 68 13 00-1325	EA	Horizontal Loop Ladder Link 147" (GameTime 81515)	1,327.56	326.52
11 68 13 00-1326	EA	1'-6" Horizontal Rail Attachment 98" (GameTime 81516)	1,268.25	312.18
11 68 13 00-1327	EA	2'-0" Horizontal Rail Attachment 98" (GameTime 81517)	1,297.91	318.80
11 68 13 00-1328	EA	2'-6" Horizontal Rail Attachment 98" (GameTime 81518)	1,327.56	326.52
11 68 13 00-1329	EA	3'-0" Horizontal Rail Attachment 98" (GameTime 81519)	1,357.22	333.14
11 68 13 00-1330	EA	Horizontal Rail Link 98" (GameTime 81520)	781.03	191.95
11 68 13 00-1331	EA	1'-6" Horizontal Rail Attachment 147" (GameTime 81521)	1,484.57	366.24
11 68 13 00-1332	EA	2'-0" Horizontal Rail Attachment 147" (GameTime 81522)	1,514.22	373.96
11 68 13 00-1333	EA	2'-6" Horizontal Rail Attachment 147" (GameTime 81523)	1,543.87	380.58
11 68 13 00-1334	EA	3'-0" Horizontal Rail Attachment 147" (GameTime 81524)	1,573.53	388.30
11 68 13 00-1335	EA	Horizontal Rail Link 147" (GameTime 81525)	989.95	242.69
11 68 13 00-1336	EA	1'-6" Overhead Tree Climb (GameTime 81526)	1,535.13	377.27
11 68 13 00-1337	EA	2'-0" Overhead Tree Climb (GameTime 81527)	1,603.18	394.91
11 68 13 00-1338	EA	2'-6" Overhead Tree Climb (GameTime 81528)	1,665.18	409.26
11 68 13 00-1339	EA	3'-0" Overhead Tree Climb (GameTime 81529)	1,733.22	428.01
11 68 13 00-1340	EA	Overhead Tree Climber Link (GameTime 81530)	967.68	239.38
11 68 13 00-1341	EA	1'-6" Skywheel Attachment (GameTime 81531)	3,033.84	746.81
11 68 13 00-1342	EA	2'-0" Skywheel Attachment (GameTime 81532)	3,110.01	765.56
11 68 13 00-1343	EA	2'-6" Skywheel Attachment (GameTime 81533)	3,192.20	786.52
11 68 13 00-1344	EA	3'-0" Skywheel Attachment (GameTime 81534)	3,268.35	805.28
11 68 13 00-1345	EA	Skywheel Link (GameTime 81535)	2,488.67	613.33
11 68 13 00-1346	EA	1'-6" Swing-N-Sway Attachment (GameTime 81536)	3,312.16	816.31
11 68 13 00-1347	EA	2'-0" Swing-N-Sway Attachment (GameTime 81537)	3,340.46	822.92
11 68 13 00-1348	EA	2'-6" Swing-N-Sway Attachment (GameTime 81538)	3,368.76	830.65
11 68 13 00-1349	EA	3'-0" Swing-N-Sway Attachment (GameTime 81539)	3,397.06	837.27
11 68 13 00-1350	EA	Swing-N-Sway Link (GameTime 81540)	2,752.83	678.42
11 68 13 00-1351	EA	1'-6" Trapeze Bar Attachment (GameTime 81541)	3,167.95	779.91
11 68 13 00-1352	EA	2'-0" Trapeze Bar Attachment (GameTime 81542)	3,197.61	786.52
11 68 13 00-1353	EA	2'-6" Trapeze Bar Attachment (GameTime 81543)	3,227.26	794.25
11 68 13 00-1354	EA	3'-0" Trapeze Bar Attachment (GameTime 81544)	3,256.92	800.87
11 68 13 00-1355	EA	Trapeze Bar Link (GameTime 81545)	2,782.48	685.03
11 68 13 00-1356	EA	3'-0" 90 Degree Trapeze Ring (GameTime 81550)	1,764.23	434.63
11 68 13 00-1357	EA	1'-6" Trap Ring Attachment 98" (GameTime 81551)	2,165.20	532.80
11 68 13 00-1358	EA	2'-0" Trap Ring Attachment 98" (GameTime 81552)	2,248.75	554.87
11 68 13 00-1359	EA	2'-6" Trap Ring Attachment 98" (GameTime 81553)	2,326.26	572.52
11 68 13 00-1360	EA	3'-0" Trap Ring Attachment 98" (GameTime 81554)	2,409.81	594.59
11 68 13 00-1361	EA	Single Trapeze Link 98" (GameTime 81555)	1,663.83	409.26
11 68 13 00-1362	EA	1'-6" Trap Ring Attachment 98" (GameTime 81556)	3,255.56	800.87
11 68 13 00-1363	EA	2'-0" Trap Ring Attachment 98" (GameTime 81557)	3,337.76	822.92
11 68 13 00-1364	EA	2'-6" Trap Ring Attachment 98" (GameTime 81558)	3,413.91	841.68
11 68 13 00-1365	EA	3'-0" Trap Ring Attachment 98" (GameTime 81559)	3,490.07	859.34
11 68 13 00-1366	EA	Double Trapeze Link 98" (GameTime 81560)	2,782.48	685.03
11 68 13 00-1367	EA	2'-0" "S" Trapeze Ladder (GameTime 81562)	2,837.73	699.38
11 68 13 00-1368	EA	3'-0" "S" Trapeze Ladder (GameTime 81564)	2,988.69	735.78
11 68 13 00-1369	EA	S Trapeze Ladder Link (GameTime 81565)	2,193.50	540.53
11 68 13 00-1370	EA	2'-0" Wild Goose Trapeze (GameTime 81567)	3,372.82	830.65
11 68 13 00-1371	EA	3'-0" Wild Goose Trapeze (GameTime 81569)	3,529.81	870.36
11 68 13 00-1372	EA	1'-6" Wild Goose Loop Ladder Attachment (GameTime 81570)	2,279.75	561.49
11 68 13 00-1373	EA	2'-0" Wild Goose Loop Ladder Attachment (GameTime 81571)	2,353.21	580.24
11 68 13 00-1374	EA	2'-6" Wild Goose Loop Ladder Attachment (GameTime 81572)	2,426.66	597.89
11 68 13 00-1375	EA	3'-0" Wild Goose Loop Ladder Attachment (GameTime 81573)	2,500.12	616.64
11 68 13 00-1376	EA	Criss-Cross Loop Ladder (GameTime 81574)	2,632.87	648.63
11 68 13 00-1377	EA	1'-6"/2' Wild Goose Trap (GameTime 81579)	7,333.25	1,805.81
11 68 13 00-1378	EA	2'-6"/3' Wild Goose Trap (GameTime 81580)	7,418.15	1,827.87
11 68 13 00-1379	EA	1'-6" And 2' Wild Goose Loop Link (GameTime 81581)	8,863.24	1,450.61
11 68 13 00-1380	EA	2'-6" And 3' Wild Goose Loop Link (GameTime 81582)	8,987.00	1,472.67
11 68 13 00-1381	EA	Single Sky Bridge Loop Climb (GameTime 81583)	983.19	242.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1382	EA	Single Sky Bridge Trapeze (GameTime 81584)	1,769.64	434.63
11 68 13 00-1383	EA	Skywheel Attachment (GameTime 81587)	1,721.79	424.70
11 68 13 00-1384	EA	Dip Station (GameTime 81651)	680.64	166.57
11 68 13 00-1385	EA	Ship's Bow (GameTime 81652)	3,620.12	892.42
11 68 13 00-1386		**Playground Equipment (GameTime Models >81654)** *(11 68 13 00-0140)*		
11 68 13 00-1387	EA	Cargo Net Wall - Single (Game Time 81654)	1,235.91	304.46
11 68 13 00-1388	EA	Cargo Net Wall - Double (Game Time 81655)	2,220.45	547.15
11 68 13 00-1389	EA	1-Level Chin Bar (GameTime 81656)	281.02	68.39
11 68 13 00-1390	EA	2-Level Chin Bar (GameTime 81657)	562.03	137.89
11 68 13 00-1391	EA	3-Level Chin Bar (GameTime 81658)	843.05	206.28
11 68 13 00-1392	EA	Climbing Wall (GameTime 81659)	556.62	137.89
11 68 13 00-1393	EA	Track Ride 3 - Deck Span (GameTime 81660)	3,389.66	833.96
11 68 13 00-1394	EA	Track Ride 4 - Deck Span (GameTime 81661)	3,796.67	935.45
11 68 13 00-1395	EA	Wallcano Bench (GameTime 81663)	1,509.59	355.21
11 68 13 00-1396	EA	Crunch Bar (GameTime 81670)	183.12	30.23
11 68 13 00-1397	EA	2-5 Age Appropriate Sign (GameTime 81671)	251.36	61.77
11 68 13 00-1398	EA	5-12 Age Appropriate Sign (GameTime 81672)	251.36	61.77
11 68 13 00-1399	EA	2-5 Age Sign (Spanish) (GameTime 81673)	251.36	61.77
11 68 13 00-1400	EA	5-12 Age Sign (Spanish) (GameTime 81674)	251.36	61.77
11 68 13 00-1401	EA	6" To 2'-0" Talk Tube (GameTime 81675)	1,000.04	247.10
11 68 13 00-1402	EA	2'-6" To 3'-6" Talk Tube (GameTime 81676)	1,062.05	261.44
11 68 13 00-1403	EA	4'-0" To 5'-0" Talk Tube (GameTime 81677)	1,130.10	279.09
11 68 13 00-1404	EA	5'-6" To 7'-6" Talk Tube (GameTime 81678)	1,192.10	293.43
11 68 13 00-1405	EA	Ground Level Talk Tube (GameTime 81679)	796.55	195.25
11 68 13 00-1406	EA	Single Seat (GameTime 81680)	423.87	104.79
11 68 13 00-1407	EA	Turning Bar (GameTime 81681)	385.82	67.74
11 68 13 00-1408	EA	Telescope Upright Attachment (GameTime 81684)	1,341.71	329.84
11 68 13 00-1409	EA	Kaleidoscope Upright Attachment (GameTime 81685)	1,313.42	323.22
11 68 13 00-1410	EA	Therapeutic Rings Attachment (GameTime 81688)	607.18	148.92
11 68 13 00-1411	EA	Upper Body Trainer (GameTime 81690)	2,101.84	518.47
11 68 13 00-1412	EA	Single Steering Wheel (GameTime 81691)	513.17	84.61
11 68 13 00-1413	EA	Xcelerator Attachment (GameTime 81692)	3,104.60	765.56
11 68 13 00-1414	EA	Train Whistle (GameTime 81695)	1,192.10	293.43
11 68 13 00-1415	EA	Crunch Bar (PS 2-5) (GameTime 81696)	183.12	30.23
11 68 13 00-1416	EA	Upper Body Trainer (GameTime 81701)	4,025.53	946.48
11 68 13 00-1417	EA	Skywheel (GameTime 81705)	3,051.73	718.13
11 68 13 00-1418	EA	Therapeutic Rings (GameTime 81707)	1,497.72	351.89
11 68 13 00-1419	EA	Bigfoot Slide (GameTime 81713)	14,129.29	3,321.50
11 68 13 00-1420	EA	Cargo Net Wall, Single (GameTime 81720)	2,132.59	500.81
11 68 13 00-1421	EA	Cargo Net Wall, Double (GameTime 81721)	3,082.81	724.75
11 68 13 00-1422	EA	Dragon Slide (GameTime 81722)	13,713.41	3,223.31
11 68 13 00-1423	EA	S.S. Spiral Without Arch (GameTime 81729)	32,400.93	7,082.04
11 68 13 00-1424	EA	S.S. Spiral With Arch (GameTime 81730)	33,440.04	7,305.96
11 68 13 00-1425	EA	Rockslide Without Arch (GameTime 81731)	13,898.92	3,267.44
11 68 13 00-1426	EA	Rockslide With Arch (GameTime 81732)	15,424.35	3,625.95
11 68 13 00-1427	EA	F5 Slide Without Arch (GameTime 81733)	12,491.01	2,936.51
11 68 13 00-1428	EA	F5 Slide With Arch (GameTime 81734)	13,623.10	3,201.26
11 68 13 00-1429	EA	Track Ride 3 - Deck (GameTime 81736)	5,672.79	1,334.78
11 68 13 00-1430	EA	Track Ride 4 - Deck (GameTime 81737)	6,343.25	1,436.26
11 68 13 00-1431	EA	8' Zip Slide (GameTime 81738)	9,662.01	2,110.27
11 68 13 00-1432	EA	8' Zip Slide With Gizmo (GameTime 81739)	10,523.54	2,298.90
11 68 13 00-1433	EA	Log Roll (GameTime 81740)	2,156.36	507.44
11 68 13 00-1434	EA	Swivel Meister (GameTime 81741)	2,808.97	659.66
11 68 13 00-1435	EA	Swivel Meister (GameTime 81742)	1,444.82	355.21
11 68 13 00-1436	EA	Log Roll (GameTime 81743)	1,473.12	362.92
11 68 13 00-1437	EA	7' Double Wave Zip Slide (GameTime 81744)	10,452.68	2,284.56
11 68 13 00-1438	EA	Geo-Textile 2250 SF Roll (GameTime 161290)	937.56	217.32
11 68 13 00-1439	EA	Geo-Textile 1125 SF Roll (GameTime 161291)	468.78	109.21
11 68 13 00-1440	EA	Wear Mat 44" X 48" (GameTime 161292)	267.44	61.77
11 68 13 00-1441	EA	Terraflow Drain 75' Roll (GameTime 161293)	232.89	54.06
11 68 13 00-1442	EA	Terraflow Drain 150' Roll (GameTime 161294)	458.25	104.79
11 68 13 00-1443		**Playground Equipment (GameTime Models)** *(11 68 13 00-0140)*		
11 68 13 00-1444	EA	Hex Topper (GameTime 32009)	213.31	35.30
11 68 13 00-1445	EA	Crag Climber (GameTime 32010)	3,523.56	581.34
11 68 13 00-1446	EA	Stego Rail (Compact) (GameTime 32019)	710.35	116.93
11 68 13 00-1447	EA	Ziggy Rail (Compact) (GameTime 32020)	577.52	94.87
11 68 13 00-1448	EA	Hex Pod Step (1') (GameTime 32022)	1,185.25	195.25
11 68 13 00-1449	EA	Hex Pod Step (2') (GameTime 32023)	1,291.90	212.90
11 68 13 00-1450	EA	Ergo Climbing Link (GameTime 32026)	7,117.53	1,173.72
11 68 13 00-1451	EA	Rock Climber (Right Side) (GameTime 32028)	5,497.62	906.77
11 68 13 00-1452	EA	Vessel (2-Way) (GameTime 32030)	7,441.51	1,227.78
11 68 13 00-1453	EA	Vessel (3-Way) (GameTime 32031)	7,109.49	1,172.61
11 68 13 00-1454	EA	Erratic Link With Hex Net (GameTime 32039)	8,755.55	1,443.99
11 68 13 00-1455	EA	U-Frame With Hex Net (Left Connection) (GameTime 32045)	5,743.12	947.58
11 68 13 00-1456	EA	The Hive (1-Way) (GameTime 32049)	13,566.97	2,238.23
11 68 13 00-1457	EA	Helix Tower With Shad Can2/Cat Slid (GameTime 32057)	37,771.00	6,231.53
11 68 13 00-1458	EA	Helix Tower With Shad Can2/Cat Slide (GameTime 32058)	42,542.19	7,019.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1459	EA	Helix Tower With Shad Can3/Cat Slide (GameTime 32059)	37,426.89	6,175.27
11 68 13 00-1460	EA	Helix Tower With Shad Can And Cat Slide (GameTime 32069)	41,552.13	6,855.90
11 68 13 00-1461	EA	Trinet (Lg) With Ps Connect And Socket (GameTime 32071)	37,787.11	6,233.73
11 68 13 00-1462	EA	Trinet (Small) With Twisted Net (GameTime 32089)	19,253.76	3,176.99
11 68 13 00-1463	EA	Trinet (Medium) With Twisted Net (GameTime 32090)	33,199.67	5,476.99
11 68 13 00-1464	EA	Trinet (Large) With Twisted Net (GameTime 32091)	35,658.08	5,882.95
11 68 13 00-1465	EA	Trinet (Large) With Ps Connection And Twisted Net (GameTime 32092)	35,871.40	5,918.24
11 68 13 00-1466	EA	Twisted Net (GameTime 32098)	7,745.36	1,277.41
11 68 13 00-1467	EA	Trinet (Medium) With Twisted Net (GameTime 32099)	33,420.40	5,513.39
11 68 13 00-1468	EA	Sail Climbing Wall (GameTime 36004)	2,529.47	416.98
11 68 13 00-1469	EA	Rock Climbing Wall (GameTime 36008)	4,555.86	751.23
11 68 13 00-1470	EA	Arched Chain Net Link (GameTime 36014)	2,483.19	409.26
11 68 13 00-1471	EA	Pod Rocker (GameTime 36015)	1,758.75	290.12
11 68 13 00-1472	EA	Wide End Balance Beam (GameTime 36018)	2,690.45	443.45
11 68 13 00-1473	EA	4 Way X-Pod Step (GameTime 36025)	2,573.73	424.70
11 68 13 00-1474	EA	Single Link Cross Beam Primetime 36 (GameTime 36031)	334.04	55.16
11 68 13 00-1475	EA	Bongos (GameTime 36064)	1,108.79	183.11
11 68 13 00-1476	EA	Nature Bench (GameTime 38043)	3,305.05	544.94
11 68 13 00-1477	EA	Chrysalis Spinner (GameTime 38045)	8,731.92	1,440.68
11 68 13 00-1478	EA	Tree Swing (GameTime 38115)	15,846.65	2,614.40
11 68 13 00-1479	EA	Flower Talk Tube (GameTime 38217)	1,256.64	207.39
11 68 13 00-1480	EA	Flower With Blue Petals (GameTime 38221)	1,204.56	198.56
11 68 13 00-1481	EA	Flower With Red Petals (GameTime 38222)	1,204.56	198.56
11 68 13 00-1482	EA	Log Balance Beam (GameTime 38230)	5,410.89	892.42
11 68 13 00-1483	EA	Forked Balance Beam (GameTime 38233)	7,782.81	1,284.03
11 68 13 00-1484	EA	12"Stepped Platform (GameTime 80729)	3,052.67	504.13
11 68 13 00-1485	EA	Crawl-Thru Panel (GameTime 80942)	941.76	155.54
11 68 13 00-1486	EA	Single Thunderring (GameTime 81664)	617.78	101.49
11 68 13 00-1487	EA	Fun Seat (GameTime 81666)	565.31	93.76
11 68 13 00-1488	EA	Nature Discovery Table (GameTime 81668)	3,098.96	510.74
11 68 13 00-1489	EA	Bongos (GameTime 81699)	431.10	70.60
11 68 13 00-1490	EA	4' Transfer Platform With Guardrail (GameTime 90033)	5,638.48	929.93
11 68 13 00-1491	EA	4' Bubble Climber (GameTime 90042)	961.89	158.85
11 68 13 00-1492	EA	5'-6" Rockscape Climber (GameTime 90094)	7,411.33	1,222.26
11 68 13 00-1493	EA	3'-6"/4' Schooner Climber (GameTime 90105)	774.73	127.96
11 68 13 00-1494	EA	7'-6"x 8' Schooner Climber (GameTime 90109)	1,157.08	190.84
11 68 13 00-1495	EA	8' Vertical Wall Climber (GameTime 90139)	4,022.60	664.07
11 68 13 00-1496	EA	4'-6"/5' Corner Vine Climber Reverse (GameTime 90147)	3,221.64	531.70
11 68 13 00-1497	EA	5'/6' Double Vine Climber (GameTime 90151)	7,769.95	1,281.83
11 68 13 00-1498	EA	3'/5' Web Tail (GameTime 90160)	2,435.15	401.54
11 68 13 00-1499	EA	Ashiko And Djembe Panel (GameTime 90186)	2,042.49	336.45
11 68 13 00-1500	EA	2-6"/3' Single Curved Zip Slide (GameTime 90193)	2,666.30	440.15
11 68 13 00-1501	EA	4' Upright, Aluminum Assembly (GameTime 90262)	356.17	58.47
11 68 13 00-1502	EA	4' Upright, Galvanized Assembly (GameTime G90262)	340.08	56.26
11 68 13 00-1503	EA	5' Upright, Aluminum Assembly (GameTime 90263)	424.60	70.60
11 68 13 00-1504	EA	5' Upright, Galvanized Assembly (GameTime G90263)	406.49	67.29
11 68 13 00-1505	EA	6' Upright, Aluminum Assembly (GameTime 90264)	493.01	81.64
11 68 13 00-1506	EA	6' Upright, Galvanized Assembly (GameTime G90264)	472.89	78.32
11 68 13 00-1507	EA	7' Upright, Aluminum Assembly (GameTime 90265)	561.43	92.66
11 68 13 00-1508	EA	7' Upright, Galvanized Assembly (GameTime G90265)	539.31	89.35
11 68 13 00-1509	EA	8' Upright, Aluminum Assembly (GameTime 90266)	629.86	103.69
11 68 13 00-1510	EA	8' Upright, Galvanized Assembly (GameTime G90266)	605.70	100.38
11 68 13 00-1511	EA	9' Upright, Aluminum Assembly (GameTime 90267)	698.27	114.72
11 68 13 00-1512	EA	9' Upright, Galvanized Assembly (GameTime G90267)	672.11	111.42
11 68 13 00-1513	EA	10' Upright, Aluminum Assembly (GameTime 90268)	766.99	126.86
11 68 13 00-1514	EA	10' Upright, Galvanized Assembly (GameTime G90268)	738.52	121.34
11 68 13 00-1515	EA	11' Upright, Aluminum Assembly (GameTime 90269)	834.84	137.89
11 68 13 00-1516	EA	11' Upright, Galvanized Assembly (GameTime G90269)	804.92	132.37
11 68 13 00-1517	EA	12' Upright, Aluminum Assembly (GameTime 90270)	903.81	148.92
11 68 13 00-1518	EA	12' Upright, Galvanized Assembly (GameTime G90270)	871.33	143.41
11 68 13 00-1519	EA	13' Upright, Aluminum Assembly (GameTime 90271)	971.67	159.96
11 68 13 00-1520	EA	13' Upright, Galvanized Assembly (GameTime G90271)	937.75	154.44
11 68 13 00-1521	EA	14' Upright, Aluminum Assembly (GameTime 90272)	1,039.53	170.99
11 68 13 00-1522	EA	14' Upright, Galvanized Assembly (GameTime G90272)	1,004.13	165.47
11 68 13 00-1523	EA	15' Upright, Aluminum, Assembly (GameTime 90273)	1,070.55	176.50
11 68 13 00-1524	EA	15' Upright, Galvanized, Assembly (GameTime G90273)	1,070.55	176.50
11 68 13 00-1525	EA	2' And 2'-6" Clover Leaf Climber (GameTime 90344)	1,595.76	263.64
11 68 13 00-1526	EA	3' And 3'-6" Clover Leaf Climber (GameTime 90345)	2,124.99	350.80
11 68 13 00-1527	EA	4' And 4'-6" Clover Leaf Climber (GameTime 90346)	2,648.20	436.83
11 68 13 00-1528	EA	5' And 5'-6" Clover Leaf Climber (GameTime 90347)	2,883.64	475.44
11 68 13 00-1529	EA	5'-0 F5 Slide With Hood (GameTime 90350)	11,288.86	1,862.07
11 68 13 00-1530	EA	River Rock Climber (GameTime 90369)	2,231.65	368.44
11 68 13 00-1531	EA	4'/5' Climbing Pole (GameTime 90371)	589.61	97.08
11 68 13 00-1532	EA	Rockscape Archway With Barrier (GameTime 90387)	1,189.28	196.36
11 68 13 00-1533	EA	3'-0" Overhead Climber Access Ladder (GameTime 90391)	740.74	122.45
11 68 13 00-1534	EA	1'-6" Rung Kick Plate (GameTime 90395)	1,140.97	188.63
11 68 13 00-1535	EA	2' Rung Kick Plate (GameTime 90396)	1,145.00	188.63
11 68 13 00-1536	EA	Decorative Panel With Gizmo, Above Deck (GameTime 90430)	1,120.85	185.32
11 68 13 00-1537	EA	Decorative Panel With Gizmo, Below Deck (GameTime 90431)	1,269.77	209.59
11 68 13 00-1538	EA	Decorative Panel Molded S Whl, Below Deck (GameTime 90432)	1,919.74	316.59
11 68 13 00-1539	EA	Decorative Panel Thunderring, Below Deck (GameTime 90433)	1,982.12	326.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1540	EA	2'-6"/3' Single Wave Zip Slide (GameTime 90503)	2,497.27	411.46
11 68 13 00-1541	EA	5' Single Zip Slide (GameTime 90505)	3,622.16	597.89
11 68 13 00-1542	EA	6' Single Wave Zip Slide (GameTime 90506)	4,012.24	661.87
11 68 13 00-1543	EA	5' Double Zip Slide, Std Dk (GameTime 90509)	4,819.35	795.35
11 68 13 00-1544	EA	8' Standard Zip Slide (GameTime 90512)	5,465.44	901.25
11 68 13 00-1545	EA	2'-6" Rung Kick (GameTime 90533)	1,416.64	233.86
11 68 13 00-1546	EA	3' Rung Kick Plate (GameTime 90534)	1,462.95	241.58
11 68 13 00-1547	EA	Swerve Slide (GameTime 90578)	3,121.09	515.16
11 68 13 00-1548	EA	Double Swerve Slide (GameTime 90579)	4,708.79	776.60
11 68 13 00-1549	EA	Wide Deck Climber Archway (Guardrail) (GameTime 90580)	1,108.79	183.11
11 68 13 00-1550	EA	Ridge Climber (Single) (GameTime 90592)	1,374.40	227.24
11 68 13 00-1551	EA	Playworx Connector Deck (GameTime 90599)	1,599.78	263.64
11 68 13 00-1552	EA	Fun-L Up And Across (GameTime 90616)	5,405.06	891.32
11 68 13 00-1553	EA	Playworx Swerve Slide (Without Hood) (GameTime 90617)	2,153.17	355.21
11 68 13 00-1554	EA	Step Up Platform (GameTime 90618)	6,872.02	1,134.01
11 68 13 00-1555	EA	Ergo Climber (4'-0" And 4'-6") (GameTime 90619)	1,700.39	280.19
11 68 13 00-1556	EA	Ergo Climber (5'-0" And 5'-6") (GameTime 90620)	1,941.88	319.91
11 68 13 00-1557	EA	Ergo Climber (6'-0") (GameTime 90621)	2,133.05	351.89
11 68 13 00-1558	EA	Bubble Panel, Above Deck (GameTime 90631)	1,815.09	298.94
11 68 13 00-1559	EA	Stego Climber (8'-0") (GameTime 90636)	1,605.83	264.75
11 68 13 00-1560	EA	Net Tunnel (GameTime 90644)	53,992.21	8,907.70
11 68 13 00-1561	EA	3'-6"/4'-0" Zip Swerve Slide Right (GameTime 90654)	3,014.44	497.51
11 68 13 00-1562	EA	Spiral Step Climber (3'-0" And 3'-6") (GameTime 90667)	1,658.14	273.57
11 68 13 00-1563	EA	Spiral Step Climber (5'-0" And 5'-6") (GameTime 90669)	2,432.87	401.54
11 68 13 00-1564	EA	Straight Section Wilderslide Ii (GameTime 90703)	810.96	133.48
11 68 13 00-1565	EA	Support Wilderslide Ii (GameTime 90709)	346.12	57.36
11 68 13 00-1566	EA	Frog Slide Puzzle-Gadget Panel Above Deck (GameTime 90713)	3,825.40	630.99
11 68 13 00-1567	EA	Single Sun Blossom (GameTime 90738)	4,539.76	749.02
11 68 13 00-1568	EA	Butterfly Climber (GameTime 90750)	8,123.69	1,340.30
11 68 13 00-1569	EA	Long Exit (Use On 7' And 8' Slides) (GameTime 90762)	1,523.31	251.51
11 68 13 00-1570	EA	Kidnetix Twirl (GameTime 90777)	10,413.38	1,717.56
11 68 13 00-1571	EA	Over N Under (GameTime 90779)	9,502.11	1,567.54
11 68 13 00-1572	EA	5' ADA Hex Deck With Shadow Play Flower (GameTime 90820)	19,913.79	3,285.10
11 68 13 00-1573	EA	Double Twin Spiral (GameTime 90843)	14,897.11	2,457.75
11 68 13 00-1574	EA	Archway (3D) (GameTime 91004)	1,400.57	230.55
11 68 13 00-1575	EA	Climber Offset Archway (3D) (GameTime 91006)	1,285.86	211.80
11 68 13 00-1576	EA	Archway With Socket (3D) (GameTime 91010)	1,531.38	252.61
11 68 13 00-1577	EA	Arch Bridge (3D) 2 Deck Span (GameTime 91018)	12,293.18	2,028.64
11 68 13 00-1578	EA	Shadow Tree 3D Tri 0'-6" - 7'0" (GameTime 91026)	10,069.59	1,661.30
11 68 13 00-1579	EA	3'-0" Transfer Platform (3D) (GameTime 91031)	6,125.46	1,010.46
11 68 13 00-1580	EA	5'-0" Transfer Platform (3D) (GameTime 91033)	10,655.16	1,758.37
11 68 13 00-1581	EA	1'-0" Transfer System (3D) (GameTime 91034)	3,481.29	574.72
11 68 13 00-1582	EA	2'-0" Transfer System (3D) (GameTime 91035)	4,672.58	771.08
11 68 13 00-1583	EA	2'-0" Transfer System (3D) (GameTime 91035)	4,672.58	771.08
11 68 13 00-1584	EA	2'-6" Transfer System (3D) (GameTime 91036)	7,061.19	1,164.90
11 68 13 00-1585	EA	3'-0" Transfer System (3D) (GameTime 91037)	7,491.82	1,235.49
11 68 13 00-1586	EA	4'-0" Transfer System (3D) (GameTime 91038)	9,131.85	1,506.86
11 68 13 00-1587	EA	Shadow Tree 3D Tri 7'-6" - 8'-0" (GameTime 91051)	10,284.90	1,696.60
11 68 13 00-1588	EA	6'-0" Hillside Dueling Wave Zip Slide (GameTime 91077)	8,803.10	1,452.81
11 68 13 00-1589	EA	Enclosure With Thunderring (3D) Above Deck (GameTime 91088)	2,459.03	405.95
11 68 13 00-1590	EA	Coral Climber (3D) 5'-0" (GameTime 91107)	2,583.80	425.80
11 68 13 00-1591	EA	90 Degree Play Port Bridge (GameTime 91120)	11,651.25	1,922.74
11 68 13 00-1592	EA	90 Degree Play Port Bridge (GameTime 91120)	11,651.25	1,922.74
11 68 13 00-1593	EA	Funnel Crows Nest Telescope Bar (GameTime 91136)	4,461.28	735.78
11 68 13 00-1594	EA	Entryway - 3D (GameTime 91137)	1,543.44	254.82
11 68 13 00-1595	EA	Entryway - Barrier (GameTime 91139)	1,145.00	188.63
11 68 13 00-1596	EA	Entryway - Guardrail (GameTime 91146)	829.06	136.79
11 68 13 00-1597	EA	Entryway - Timbers (GameTime 91150)	1,559.55	257.02
11 68 13 00-1598	EA	Climber Entryway - Timbers (GameTime 91151)	1,376.41	227.24
11 68 13 00-1599	EA	Archway - Timbers (GameTime 91154)	1,436.79	237.17
11 68 13 00-1600	EA	Archway With Socket - Timbers (GameTime 91157)	1,571.61	259.23
11 68 13 00-1601	EA	Climber Offset Archway - Timbers (GameTime 91163)	1,330.14	219.52
11 68 13 00-1602	EA	4' Plank Climber - Timbers (GameTime 91181)	1,219.47	200.77
11 68 13 00-1603	EA	8' Plank Climber - Timbers (GameTime 91185)	2,054.58	338.66
11 68 13 00-1604	EA	2' Transfer System - Timbers (GameTime 91201)	5,238.05	863.75
11 68 13 00-1605	EA	Mini Arch Bridge - Timbers (GameTime 91207)	6,205.94	1,023.69
11 68 13 00-1606	EA	Climber Entryway - Guardrail (GameTime 91208)	865.29	142.30
11 68 13 00-1607	EA	Climber Entryway - Barrier (GameTime 91209)	1,064.51	175.40
11 68 13 00-1608	EA	Climber Entryway - 3D (GameTime 91210)	1,452.88	239.38
11 68 13 00-1609	EA	Gable Roof - Timbers (GameTime 91212)	6,580.24	1,085.47
11 68 13 00-1610	EA	72" Slant Hex Roof Extension - Timbers (GameTime 91218)	754.61	124.65
11 68 13 00-1611	EA	Slant Hex Roof - Timbers (GameTime 91219)	12,526.60	2,066.14
11 68 13 00-1612	EA	5'0" - 5'6" Lily Pad Spiral Climber (GameTime 91251)	2,465.07	407.05
11 68 13 00-1613	EA	Three Stump Climber (GameTime 91284)	9,412.52	1,553.19
11 68 13 00-1614	EA	Notched Log Climber (GameTime 91285)	10,504.56	1,733.00
11 68 13 00-1615	EA	4' 3D Transfer For GFRC (GameTime 91305)	6,151.62	1,014.87
11 68 13 00-1616	EA	3' Timbers Transfer For GFRC (GameTime 91307)	4,906.00	809.69
11 68 13 00-1617	EA	Shadow Play Tree Single 0'6" - 7'0" (GameTime 91310)	3,887.78	640.92
11 68 13 00-1618	EA	Shadow Play Tree Tri 0'6" - 7'0" (GameTime 91311)	11,645.22	1,921.64
11 68 13 00-1619	EA	Shadow Play Tree Quad 0'6" - 7'0" (GameTime 91312)	15,522.94	2,561.45
11 68 13 00-1620	EA	Shadow Play Tree Pentagon 0'6" - 7'0" (GameTime 91313)	19,390.59	3,199.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1621	EA	Shadow Play Tree Hex 0'6" - 7'0" (GameTime 91314)	23,278.38	3,841.07
11 68 13 00-1622	EA	Shadow Play Tree Single 7'6" And 8'0" (GameTime 91315)	3,954.18	651.95
11 68 13 00-1623	EA	Shadow Play Tree Tri 7'-6" And 8'-0" (GameTime 91316)	11,840.41	1,953.63
11 68 13 00-1624	EA	Shadow Play Tree Quad 7'-6" And 8'-0" (GameTime 91317)	15,784.52	2,604.47
11 68 13 00-1625	EA	Shadow Play Tree Pentagon 7'-6" And 8'-0" (GameTime 91318)	19,714.57	3,253.10
11 68 13 00-1626	EA	Shadow Play Tree Hex 7'-6" And 8'-0" (GameTime 91319)	23,668.75	3,905.05
11 68 13 00-1627	EA	Stump Platform (GameTime 91320)	9,892.51	1,632.62
11 68 13 00-1628	EA	Erractic Climber With Hex Net 4'-5' (GameTime 91324)	3,225.73	531.70
11 68 13 00-1629	EA	Erratic Climber With Hex Net 7'-8' (GameTime 91326)	4,435.12	731.37
11 68 13 00-1630	EA	Big Stump Climber (GameTime 91327)	26,820.03	4,424.61
11 68 13 00-1631	EA	Timbers Enclosure With Thunderring (Above) (GameTime 91340)	2,364.46	390.50
11 68 13 00-1632	EA	Aerosol Paint 4.5 Oz. (GameTime 139361)	34.21	5.52
11 68 13 00-1633	EA	Pin-In Tool Kit(Torx Bit) (GameTime 158279)	146.90	24.26
11 68 13 00-1634	EA	2-5 Age Appropriate Sticker (GameTime 168284)	6.70	1.11
11 68 13 00-1635	EA	5-12 Age Appropriate Sticker (GameTime 168285)	7.94	1.11
11 68 13 00-1636	EA	2/5-5/12 Age Appropriate (GameTime 169163)	7.94	1.11
11 68 13 00-1637	EA	ASTM Warning Label (GameTime 169164)	6.26	1.11
11 68 13 00-1638	EA	Owner's Kit (GameTime 178749)	137.69	23.17
11 68 13 00-1639	EA	Hybrid Tool Kit Pt (GameTime 200830)	158.96	26.47
11 68 13 00-1640	EA	Tool Kit (Torx Bit) (GameTime 205282)	120.47	19.85
11 68 13 00-1641	EA	Hybrid Tool Kit Ps 2012 (GameTime 205283)	160.98	26.47
11 68 13 00-1642	EA	3-1/2" Diameter, Aluminum Pipe With 7' Cap (GameTime 1R27FU)	460.82	76.12
11 68 13 00-1643	EA	Flower With Yellow Petals Label (GameTime 38220L)	1,179.75	194.15
11 68 13 00-1644	EA	5" Diameter, Aluminum Pipe With 6' Aluminum Cap (GameTime DH1305)	537.29	88.25
11 68 13 00-1645	EA	3-1/2" Antiwrap Enclosed Tot-Stainless (GameTime SS5017)	1,381.77	228.35
11 68 13 00-1646	EA	3-1/2" Antiwrap Belt Seat-Stainless (GameTime SS5020)	1,281.61	211.80

11 68 13 00-1647 Playground Equipment (Kompan) *(11 68 13)*

11 68 13 00-1648	EA	Supernova Spinner (Kompan Galaxy GXY916000)	19,505.39	883.22
11 68 13 00-1649	EA	Custom Dorado With Quasar 2 Stabil (Kompan Galaxy GXY924001)	54,886.32	2,504.22
11 68 13 00-1650	EA	Rock It Play Unit (Kompan Galaxy GXY934)	8,767.28	361.19
11 68 13 00-1651	EA	Miram Playground Unit (Kompan Galaxy GXY926)	60,331.85	2,475.32
11 68 13 00-1652	EA	Starsurfer Play Unit (Kompan Galaxy GXY935)	9,629.16	399.71
11 68 13 00-1653	EA	Edge Talus Playground Unit (Kompan Galaxy ELE500014)	86,840.80	3,454.86
11 68 13 00-1654	EA	Edge Cascade Playground Unit (Kompan Galaxy ELE5000015)	144,582.73	5,672.05

11 68 13 00-1655 Playground Equipment (Landscape Structures®) *(11 68 13)*

Note: Excludes excavation and concrete footings.

11 68 13 00-1656 Playground Equipment (Landscape Structures® PlayShaper®) *(11 68 13 00-1655)*

Note: Ages 2 to 5 years.

11 68 13 00-1657	EA	El Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A)	3,006.49	132.37
11 68 13 00-1658	EA	SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A)	7,613.90	496.40
11 68 13 00-1659	EA	Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A)	3,134.37	132.37
11 68 13 00-1660	EA	Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A)	3,582.63	198.56
11 68 13 00-1661	EA	Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A)	3,043.73	198.56
11 68 13 00-1662	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A)	2,412.78	132.37
11 68 13 00-1663	EA	Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B)	2,677.67	132.37
11 68 13 00-1664	EA	Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A)	2,056.55	132.37
11 68 13 00-1665	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A)	5,840.85	397.12
11 68 13 00-1666	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B)	6,735.98	397.12
11 68 13 00-1667	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C)	7,256.62	397.12
11 68 13 00-1668	EA	Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A)	2,064.99	66.18
11 68 13 00-1669	EA	Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A)	2,102.22	132.37
11 68 13 00-1670	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A)	2,787.98	198.56
11 68 13 00-1671	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B)	3,107.67	198.56
11 68 13 00-1672	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C)	3,463.89	198.56
11 68 13 00-1673	EA	Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A)	2,001.75	132.37
11 68 13 00-1674	EA	Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A)	8,363.25	529.50
11 68 13 00-1675	EA	Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A)	1,170.56	132.37
11 68 13 00-1676	EA	Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A)	1,233.79	66.18
11 68 13 00-1677	EA	Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A)	1,863.56	165.47
11 68 13 00-1678	EA	32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A)	2,888.81	231.65
11 68 13 00-1679	EA	40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B)	3,372.91	231.65
11 68 13 00-1680	EA	32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A)	3,143.50	132.37
11 68 13 00-1681	EA	48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B)	3,380.98	132.37
11 68 13 00-1682	EA	1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A)	1,545.05	132.37
11 68 13 00-1683	EA	2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B)	1,800.80	132.37
11 68 13 00-1684	EA	16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A)	804.32	55.16
11 68 13 00-1685	EA	24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B)	1,489.90	99.28
11 68 13 00-1686	EA	32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C)	2,258.74	253.72
11 68 13 00-1687	EA	40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D)	2,660.63	253.72
11 68 13 00-1688	EA	32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A)	2,376.24	132.37
11 68 13 00-1689	EA	40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B)	5,193.30	132.37
11 68 13 00-1690	EA	48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C)	3,517.99	132.37
11 68 13 00-1691	EA	32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A)	1,112.34	165.47
11 68 13 00-1692	EA	40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B)	1,143.51	165.47
11 68 13 00-1693	EA	48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C)	1,197.71	165.47
11 68 13 00-1694	EA	Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A)	1,196.91	33.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1695	EA	Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A)	438.79	33.10
11 68 13 00-1696	EA	Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A)	4,278.71	231.65
11 68 13 00-1697	EA	ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A)	2,239.17	165.47
11 68 13 00-1698	EA	Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A)	1,363.32	55.16
11 68 13 00-1699	EA	Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A)	2,686.10	66.18
11 68 13 00-1700	EA	Phase Kit (Landscape Structures® PlayShaper® 116098A)	376.37	41.70
11 68 13 00-1701	EA	Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A)	2,083.25	66.18
11 68 13 00-1702	EA	8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A)	832.25	99.28
11 68 13 00-1703	EA	16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A)	1,624.07	99.28
11 68 13 00-1704	EA	Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A)	5,775.51	264.75
11 68 13 00-1705	EA	Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A)	5,775.51	264.75
11 68 13 00-1706	EA	Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A)	2,632.00	132.37
11 68 13 00-1707	EA	Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A)	1,974.35	132.37
11 68 13 00-1708	EA	28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A)	2,019.32	66.18
11 68 13 00-1709	EA	56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B)	2,613.03	66.18
11 68 13 00-1710	EA	90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C)	2,887.75	132.37
11 68 13 00-1711	EA	C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A)	4,761.63	264.75
11 68 13 00-1712	EA	S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B)	4,761.63	264.75
11 68 13 00-1713	EA	C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A)	4,761.63	264.75
11 68 13 00-1714	EA	S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B)	4,761.63	264.75
11 68 13 00-1715	EA	Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A)	913.76	33.10
11 68 13 00-1716	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A)	1,397.68	22.06
11 68 13 00-1717	EA	Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A)	1,616.90	22.06
11 68 13 00-1718	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A)	1,763.04	22.06
11 68 13 00-1719	EA	Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A)	959.43	33.10
11 68 13 00-1720	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A)	758.30	22.06
11 68 13 00-1721	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A)	2,210.61	22.06
11 68 13 00-1722	EA	Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A)	603.02	22.06
11 68 13 00-1723	EA	House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A)	712.81	33.10
11 68 13 00-1724	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A)	1,881.78	22.06
11 68 13 00-1725	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A)	1,178.64	33.10
11 68 13 00-1726	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A)	1,635.69	66.18
11 68 13 00-1727	EA	Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A)	1,754.25	55.16
11 68 13 00-1728	EA	Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A)	1,690.85	99.28
11 68 13 00-1729	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A)	1,224.13	22.06
11 68 13 00-1730	EA	Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A)	1,827.16	33.10
11 68 13 00-1731	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A)	1,251.71	33.10
11 68 13 00-1732	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A)	1,599.15	66.18
11 68 13 00-1733	EA	Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A)	548.40	33.10
11 68 13 00-1734	EA	Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A)	1,690.31	55.16
11 68 13 00-1735	EA	Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A)	1,297.91	88.25
11 68 13 00-1736	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A)	1,571.23	22.06
11 68 13 00-1737	EA	Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A)	603.02	22.06
11 68 13 00-1738	EA	Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A)	831.55	33.10
11 68 13 00-1739	EA	Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A)	603.02	22.06
11 68 13 00-1740	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A)	776.57	22.06
11 68 13 00-1741	EA	Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A)	1,471.63	99.28
11 68 13 00-1742	EA	Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A)	1,598.81	33.10
11 68 13 00-1743	EA	Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A)	1,215.18	33.10
11 68 13 00-1744	EA	2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A)	1,169.68	55.16
11 68 13 00-1745	EA	1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A)	676.44	55.16
11 68 13 00-1746	EA	1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A)	594.07	33.10
11 68 13 00-1747	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A)	1,645.18	99.28
11 68 13 00-1748	EA	Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B)	1,910.06	99.28
11 68 13 00-1749	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A)	548.22	22.06
11 68 13 00-1750	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A)	767.43	22.06
11 68 13 00-1751	EA	Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A)	159.11	22.06
11 68 13 00-1752	EA	Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A)	886.35	33.10
11 68 13 00-1753	EA	Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B)	1,178.81	55.16
11 68 13 00-1754	EA	Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A)	676.44	55.16
11 68 13 00-1755	EA	Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B)	941.33	55.16
11 68 13 00-1756	EA	Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A)	155.46	22.06
11 68 13 00-1757	EA	Steering Wheel (Landscape Structures® PlayShaper® 111306A)	292.47	22.06
11 68 13 00-1758	EA	Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B)	392.94	22.06
11 68 13 00-1759	EA	Handloop (Landscape Structures® PlayShaper® 119977A)	228.53	22.06
11 68 13 00-1760	EA	Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A)	621.47	33.10
11 68 13 00-1761	EA	16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B)	639.74	33.10
11 68 13 00-1762	EA	24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C)	648.87	33.10
11 68 13 00-1763	EA	32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D)	667.14	33.10
11 68 13 00-1764	EA	40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E)	676.27	33.10
11 68 13 00-1765	EA	48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F)	694.54	33.10
11 68 13 00-1766	EA	Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A) Note: Order one talk tube tubing kit with two talk tubes (any height listed).	586.68	198.56
11 68 13 00-1767	EA	Arch Roof (Landscape Structures® PlayShaper® 111407A)	941.50	66.18
11 68 13 00-1768	EA	Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A)	1,764.27	132.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1769	EA	Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A)	1,956.08	132.37
11 68 13 00-1770	EA	Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A)	4,056.90	132.37
11 68 13 00-1771	EA	Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B)	4,714.55	132.37
11 68 13 00-1772	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A)	1,023.53	55.16
11 68 13 00-1773	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A)	977.86	55.16
11 68 13 00-1774	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A)	996.13	55.16
11 68 13 00-1775	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A)	804.15	33.10
11 68 13 00-1776	EA	Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A)	1,609.69	198.56
11 68 13 00-1777	EA	Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B)	1,472.68	198.56
11 68 13 00-1778	EA	Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C)	1,353.94	198.56
11 68 13 00-1779	EA	Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A)	191.99	22.06
11 68 13 00-1780	EA	8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A)	170.07	22.06
11 68 13 00-1781	EA	16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B)	246.80	22.06
11 68 13 00-1782	EA	8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A)	206.61	22.06
11 68 13 00-1783	EA	16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B)	301.60	22.06
11 68 13 00-1784	EA	To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A)	3,035.31	264.75
11 68 13 00-1785	EA	To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B)	3,464.60	264.75
11 68 13 00-1786	EA	To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C)	3,647.28	264.75
11 68 13 00-1787	EA	56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A)	1,827.50	66.18
11 68 13 00-1788	EA	48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B)	1,790.97	66.18
11 68 13 00-1789	EA	40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C)	1,772.70	66.18
11 68 13 00-1790	EA	32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D)	1,745.30	66.18
11 68 13 00-1791	EA	24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E)	1,717.89	66.18
11 68 13 00-1792	EA	16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F)	1,699.63	66.18
11 68 13 00-1793	EA	8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G)	1,681.36	66.18
11 68 13 00-1794	EA	Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H)	1,663.09	66.18
11 68 13 00-1795	EA	82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A)	411.39	33.10
11 68 13 00-1796	EA	74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B)	393.12	33.10
11 68 13 00-1797	EA	66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C)	365.72	33.10
11 68 13 00-1798	EA	58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D)	356.58	33.10
11 68 13 00-1799	EA	50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E)	347.45	33.10
11 68 13 00-1800	EA	42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F)	338.31	33.10
11 68 13 00-1801	EA	128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A)	751.09	198.56
11 68 13 00-1802	EA	114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B)	714.56	198.56
11 68 13 00-1803	EA	106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C)	705.42	198.56
11 68 13 00-1804	EA	98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D)	420.52	33.10
11 68 13 00-1805	EA	90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E)	411.39	33.10
11 68 13 00-1806	EA	82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F)	393.12	33.10
11 68 13 00-1807	EA	74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G)	365.72	33.10
11 68 13 00-1808	EA	69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H)	356.58	33.10
11 68 13 00-1809	EA	145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A)	484.46	33.10
11 68 13 00-1810	EA	137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B)	475.32	33.10
11 68 13 00-1811	EA	129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C)	447.92	33.10
11 68 13 00-1812	EA	121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D)	438.79	33.10
11 68 13 00-1813	EA	113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E)	429.65	33.10
11 68 13 00-1814	EA	105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F)	411.39	33.10
11 68 13 00-1815	EA	97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G)	393.12	33.10
11 68 13 00-1816	EA	89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H)	365.72	33.10
11 68 13 00-1817	EA	Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A)	2,732.59	223.35
11 68 13 00-1818	EA	Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B)	2,696.90	220.47
11 68 13 00-1819	EA	Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C)	2,196.84	179.63
11 68 13 00-1820	EA	Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D)	2,161.05	176.64
11 68 13 00-1821	EA	Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A)	446.50	36.50
11 68 13 00-1822	EA	Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B)	428.63	35.06
11 68 13 00-1823	EA	Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A)	485.78	39.68
11 68 13 00-1824	EA	Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B)	464.36	37.94
11 68 13 00-1825	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A)	8,927.44	330.93
11 68 13 00-1826	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A)	4,751.79	198.56

11 68 13 00-1827 Playground Equipment (Landscape Structures® Independent Pieces) *(11 68 13 00-1655)*

11 68 13 00-1828	EA	9-Blocks, Block Climber (Landscape Structures® 117966A)	3,867.20	330.93
11 68 13 00-1829	EA	12-Blocks, Block Climber (Landscape Structures® 117966B)	4,369.57	330.93
11 68 13 00-1830	EA	116-Blocks, Block Climber (Landscape Structures® 117966C)	5,365.88	397.12
11 68 13 00-1831	EA	Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A)	4,021.78	264.75
11 68 13 00-1832	EA	6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A)	6,503.27	441.25
11 68 13 00-1833	EA	4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A)	4,486.90	198.56
11 68 13 00-1834	EA	Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A)	11,999.28	595.68
11 68 13 00-1835	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A)	10,800.61	397.12
11 68 13 00-1836	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B)	7,950.10	330.93
11 68 13 00-1837	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C)	9,375.35	364.03
11 68 13 00-1838	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D)	12,225.86	430.22
11 68 13 00-1839	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E)	13,651.12	463.31
11 68 13 00-1840	EA	Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F)	10,526.59	397.12
11 68 13 00-1841	EA	Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G)	7,767.42	330.93
11 68 13 00-1842	EA	Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H)	9,147.00	364.03
11 68 13 00-1843	EA	Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I)	11,906.17	430.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1844	EA	Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J)	13,285.76	463.31
11 68 13 00-1845	EA	8", Pod Climber, One Pod Only (Landscape Structures® 120710A)	438.96	55.16
11 68 13 00-1846	EA	16", Pod Climber, One Pod Only (Landscape Structures® 120711A)	448.09	55.16
11 68 13 00-1847	EA	24", Pod Climber, One Pod Only (Landscape Structures® 120712A)	457.22	55.16
11 68 13 00-1848	EA	30", Pod Climber, One Pod Only (Landscape Structures® 120713A)	466.36	55.16
11 68 13 00-1849	EA	Track Ride Curved (Landscape Structures® 118093A)	4,394.86	132.37
11 68 13 00-1850	EA	18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A)	6,690.31	397.12
11 68 13 00-1851	EA	18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B)	6,507.63	397.12
11 68 13 00-1852	EA	10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A)	5,630.77	397.12
11 68 13 00-1853	EA	10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B)	5,265.41	397.12
11 68 13 00-1854	EA	18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A)	5,859.12	397.12
11 68 13 00-1855	EA	18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B)	5,676.44	397.12
11 68 13 00-1856	EA	Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A)	557.88	66.18
11 68 13 00-1857	EA	Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A)	20,039.32	794.25
11 68 13 00-1858	EA	CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A)	17,349.00	1,191.37
11 68 13 00-1859	EA	CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A)	5,834.53	661.87
11 68 13 00-1860	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155071A)	7,109.07	264.75
11 68 13 00-1861	EA	CoolToppers Shade System, Single Post With Cool Mister, (Direct Bury Only) (Landscape Structures® 155072A)	11,515.88	661.87
11 68 13 00-1862	EA	Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A)	731.60	88.25
11 68 13 00-1863	EA	Straight Crawl Tunnel (Landscape Structures® 100005A)	2,349.54	198.56
11 68 13 00-1864	EA	Curved Crawl Tunnel (Landscape Structures® 100005D)	2,979.79	198.56
11 68 13 00-1865	EA	4' Square, SanDirect Buryoxe (Landscape Structures® 120458A)	641.49	198.56
11 68 13 00-1866	EA	SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A)	897.24	198.56
11 68 13 00-1867	EA	8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B)	1,292.12	397.12
11 68 13 00-1868	EA	8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C)	1,849.29	397.12
11 68 13 00-1869	EA	8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D)	1,292.12	397.12
11 68 13 00-1870	EA	8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E)	1,849.29	397.12
11 68 13 00-1871	EA	Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A)	5,760.06	529.50
11 68 13 00-1872	EA	Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B)	5,585.10	397.12
11 68 13 00-1873	EA	Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A)	2,569.47	264.75
11 68 13 00-1874	EA	Clear Paint Panel, Surface Mount (Landscape Structures® 112621A)	1,032.84	66.18
11 68 13 00-1875	EA	Clear Paint Panel, Direct Bury (Landscape Structures® 112621B)	905.32	99.28
11 68 13 00-1876	EA	Dino Climber, Direct Bury (Landscape Structures® 100122A)	14,894.06	529.50
11 68 13 00-1877	EA	Dino Climber, Surface Mount (Landscape Structures® 100122B)	15,505.32	463.31
11 68 13 00-1878	EA	Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B)	4,160.19	397.12
11 68 13 00-1879	EA	Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A)	4,260.67	397.12
11 68 13 00-1880	EA	Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A)	5,008.95	330.93
11 68 13 00-1881	EA	Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B)	3,519.41	264.75
11 68 13 00-1882	EA	Kids In Motion, Saddle Spinner (Landscape Structures® 152179A)	1,507.81	66.18
11 68 13 00-1883	EA	Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A)	2,230.10	132.37
11 68 13 00-1884	EA	Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B)	2,138.76	132.37
11 68 13 00-1885	EA	Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A)	594.23	55.16
11 68 13 00-1886	EA	Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A)	7,961.35	529.50
11 68 13 00-1887	EA	Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A)	2,835.76	397.12
11 68 13 00-1888	EA	Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B)	2,653.08	397.12
11 68 13 00-1889	EA	Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C)	3,329.00	397.12
11 68 13 00-1890	EA	Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A)	2,211.13	66.18
11 68 13 00-1891	EA	Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 153589A)	3,089.40	198.56
11 68 13 00-1892	EA	Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only (Landscape Structures® 154358A)	5,565.42	264.75
11 68 13 00-1893	EA	Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A)	8,032.31	330.93
11 68 13 00-1894	EA	Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A)	3,253.11	132.37
11 68 13 00-1895	EA	Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B)	2,805.54	132.37
11 68 13 00-1896	EA	2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A)	3,600.20	132.37
11 68 13 00-1897	EA	2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B)	3,106.96	132.37
11 68 13 00-1898	EA	4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A)	4,349.19	132.37
11 68 13 00-1899	EA	4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B)	3,874.22	132.37
11 68 13 00-1900	EA	Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A)	411.21	22.06
11 68 13 00-1901	EA	Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B)	338.14	22.06
11 68 13 00-1902	EA	Stationary Cycler, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A)	1,545.41	165.47
11 68 13 00-1903	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A)	1,380.29	99.28
11 68 13 00-1904	EA	Stationary Cycler, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B)	1,435.80	165.47
11 68 13 00-1905	EA	Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B)	2,112.06	198.56
11 68 13 00-1906	EA	Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A)	329.00	22.06
11 68 13 00-1907	EA	Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B)	274.20	22.06
11 68 13 00-1908	EA	Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B)	1,782.89	165.47
11 68 13 00-1909	EA	Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,810.64	198.56
11 68 13 00-1910	EA	Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B)	1,792.37	198.56
11 68 13 00-1911	EA	Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B)	2,112.06	198.56
11 68 13 00-1912	EA	RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B)	1,764.62	165.47
11 68 13 00-1913	EA	T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B)	1,792.37	198.56
11 68 13 00-1914	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A)	2,660.46	231.65
11 68 13 00-1915	EA	2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B)	2,787.98	198.56
11 68 13 00-1916	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A)	2,413.84	231.65
11 68 13 00-1917	EA	2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B)	2,532.22	198.56
11 68 13 00-1918	EA	Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A)	1,819.43	165.47
11 68 13 00-1919	EA	Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A)	1,481.11	132.37
11 68 13 00-1920	EA	Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A)	1,508.87	165.47
11 68 13 00-1921	EA	Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A)	1,490.60	165.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1922	EA	Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A)	1,819.43	165.47
11 68 13 00-1923	EA	RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A)	1,471.98	132.37
11 68 13 00-1924	EA	T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A)	1,490.60	165.47
11 68 13 00-1925	EA	Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B)	1,865.10	165.47
11 68 13 00-1926	EA	Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B)	1,992.97	165.47
11 68 13 00-1927	EA	Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B)	1,901.63	165.47
11 68 13 00-1928	EA	Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A)	1,581.59	132.37
11 68 13 00-1929	EA	Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A)	1,700.33	132.37
11 68 13 00-1930	EA	Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A)	1,618.12	132.37
11 68 13 00-1931	EA	SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A)	11,617.77	794.25
11 68 13 00-1932	EA	40" Poly Slide, 40" Deck (Landscape Structures® 100046A)	6,205.51	330.93
11 68 13 00-1933	EA	Wave Poly Slide, 72" Deck (Landscape Structures® 100046C)	7,502.53	330.93
11 68 13 00-1934	EA	Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A)	22,776.01	1,323.75
11 68 13 00-1935	EA	Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A)	3,912.17	264.75
11 68 13 00-1936	EA	Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B)	2,148.60	198.56
11 68 13 00-1937	EA	12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A)	42,943.19	2,117.99
11 68 13 00-1938	EA	7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A)	23,673.96	1,588.50
11 68 13 00-1939	EA	6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A)	21,472.66	1,588.50
11 68 13 00-1940	EA	3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A)	10,244.85	529.50
11 68 13 00-1941	EA	4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A)	1,480.77	99.28
11 68 13 00-1942	EA	6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B)	1,654.31	99.28
11 68 13 00-1943	EA	Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A)	5,265.41	397.12
11 68 13 00-1944	EA	4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A)	1,115.41	99.28
11 68 13 00-1945	EA	6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B)	1,206.75	99.28
11 68 13 00-1946	EA	Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A)	5,082.31	529.50
11 68 13 00-1947	EA	Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C)	4,928.86	529.50
11 68 13 00-1948	EA	Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A)	3,197.89	264.75
11 68 13 00-1949	EA	Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C)	3,044.44	264.75
11 68 13 00-1950	EA	Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A)	2,625.68	397.12
11 68 13 00-1951	EA	Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B)	2,779.13	397.12
11 68 13 00-1952	EA	Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A)	1,883.71	198.56
11 68 13 00-1953	EA	Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B)	2,037.16	198.56
11 68 13 00-1954	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A)	3,018.44	397.12
11 68 13 00-1955	EA	Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B)	3,171.89	397.12
11 68 13 00-1956	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A)	2,276.47	198.56
11 68 13 00-1957	EA	Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B)	2,429.92	198.56
11 68 13 00-1958	EA	Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A)	1,142.45	66.18
11 68 13 00-1959	EA	Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A)	5,823.99	529.50
11 68 13 00-1960	EA	Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A)	4,076.58	264.75
11 68 13 00-1961	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B)	5,294.22	529.50
11 68 13 00-1962	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B)	3,418.93	264.75
11 68 13 00-1963	EA	Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B)	2,633.41	264.75
11 68 13 00-1964	EA	Curved Balance Beam (Landscape Structures® 100041A)	1,115.23	88.25
11 68 13 00-1965	EA	Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A)	1,974.70	165.47
11 68 13 00-1966	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A)	4,204.46	264.75
11 68 13 00-1967	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B)	4,697.69	264.75
11 68 13 00-1968	EA	Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C)	4,195.32	264.75
11 68 13 00-1969	EA	Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D)	4,688.56	264.75
11 68 13 00-1970	EA	FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A)	20,814.35	2,382.74
11 68 13 00-1971	EA	FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B)	20,211.50	2,382.74
11 68 13 00-1972	EA	Fitness Cluster With Steel Posts (Landscape Structures® 120874B)	13,069.38	1,588.50
11 68 13 00-1973	EA	Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A)	13,325.14	1,588.50
11 68 13 00-1974	EA	Aluminum Posts, Climbing Wall (Landscape Structures® 153354A)	2,943.97	264.75
11 68 13 00-1975	EA	Steel Posts, Climbing Wall (Landscape Structures® 153354B)	2,852.63	264.75
11 68 13 00-1976	EA	30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A)	26.56	11.03
11 68 13 00-1977	EA	TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A)	84.17	11.03
11 68 13 00-1978	EA	TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A)	1,059.72	22.06
11 68 13 00-1979	EA	Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A)	584.93	33.10
11 68 13 00-1980	EA	Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A)	584.93	33.10
11 68 13 00-1981	EA	Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A)	548.40	33.10
11 68 13 00-1982	EA	Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A)	1,123.84	33.10
11 68 13 00-1983	EA	Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A)	950.29	33.10
11 68 13 00-1984	EA	Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A)	950.29	33.10
11 68 13 00-1985	EA	Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A)	319.87	22.06
11 68 13 00-1986	EA	Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A)	795.36	66.18
11 68 13 00-1987	EA	Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A)	411.39	33.10
11 68 13 00-1988	EA	Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A)	393.12	33.10
11 68 13 00-1989	EA	Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A)	128.05	22.06
11 68 13 00-1990	EA	Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A)	120.75	22.06
11 68 13 00-1991	LF	TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A)	10.54	3.31
11 68 13 00-1992	EA	TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A)	13.24	
11 68 13 00-1993	EA	Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A)	301.78	33.10
11 68 13 00-1994	EA	Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A)	100.65	16.55
11 68 13 00-1995	EA	Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B)	347.45	33.10
11 68 13 00-1996	EA	Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C)	292.64	33.10
11 68 13 00-1997	EA	4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A)	5,035.65	264.75

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11 68 13 00-1998	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A)	182.86	16.55
11 68 13 00-1999	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B)	182.86	16.55
11 68 13 00-2000	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C)	182.86	16.55
11 68 13 00-2001	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D)	182.86	16.55
11 68 13 00-2002	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E)	182.86	16.55
11 68 13 00-2003	EA	TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F)	182.86	16.55
11 68 13 00-2004	EA	Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A)	191.99	16.55
11 68 13 00-2005	EA	1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A)	2,604.59	132.37
11 68 13 00-2006	EA	1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B)	2,681.32	132.37
11 68 13 00-2007	EA	TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A)	91.34	
11 68 13 00-2008	EA	1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A)	2,796.41	132.37
11 68 13 00-2009	EA	1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B)	2,873.13	132.37
11 68 13 00-2010	EA	Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A)	3,399.95	198.56
11 68 13 00-2011	EA	The Pinnacle Natural Climber (Landscape Structures® 156065A)	27,529.20	794.25
11 68 13 00-2012	EA	The Pointe Natural Climber (Landscape Structures® 156067A)	15,560.84	529.50
11 68 13 00-2013	EA	Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A)	15,560.84	529.50
11 68 13 00-2014	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A)	2,129.63	132.37
11 68 13 00-2015	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B)	2,283.08	132.37
11 68 13 00-2016	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C)	2,367.11	132.37
11 68 13 00-2017	EA	5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D)	2,520.56	132.37
11 68 13 00-2018	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A)	1,224.66	66.18
11 68 13 00-2019	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B)	1,378.11	66.18
11 68 13 00-2020	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C)	1,306.86	66.18
11 68 13 00-2021	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D)	1,460.32	66.18
11 68 13 00-2022	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A)	2,220.97	132.37
11 68 13 00-2023	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B)	2,454.80	132.37
11 68 13 00-2024	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C)	2,458.45	132.37
11 68 13 00-2025	EA	5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D)	2,692.28	132.37
11 68 13 00-2026	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A)	1,297.73	66.18
11 68 13 00-2027	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B)	1,641.87	132.37
11 68 13 00-2028	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C)	1,379.94	66.18
11 68 13 00-2029	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D)	1,724.08	132.37
11 68 13 00-2030	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A)	2,312.31	132.37
11 68 13 00-2031	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B)	2,465.76	132.37
11 68 13 00-2032	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C)	2,549.79	132.37
11 68 13 00-2033	EA	5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D)	2,703.24	132.37
11 68 13 00-2034	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A)	1,398.20	66.18
11 68 13 00-2035	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B)	1,661.97	132.37
11 68 13 00-2036	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C)	1,480.41	66.18
11 68 13 00-2037	EA	5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D)	1,744.17	132.37
11 68 13 00-2038	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A)	2,403.65	132.37
11 68 13 00-2039	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B)	2,637.48	132.37
11 68 13 00-2040	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C)	2,641.13	132.37
11 68 13 00-2041	EA	5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D)	2,874.96	132.37
11 68 13 00-2042	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A)	1,480.41	66.18
11 68 13 00-2043	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B)	1,824.55	132.37
11 68 13 00-2044	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C)	1,672.93	132.37
11 68 13 00-2045	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D)	1,906.76	132.37
11 68 13 00-2046	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A)	2,129.63	132.37
11 68 13 00-2047	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B)	2,367.11	132.37
11 68 13 00-2048	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A)	1,800.80	132.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2049	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B)	2,047.42	132.37
11 68 13 00-2050	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A)	1,819.07	132.37
11 68 13 00-2051	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B)	2,065.69	132.37
11 68 13 00-2052	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A)	1,800.80	132.37
11 68 13 00-2053	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B)	2,047.42	132.37
11 68 13 00-2054	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A)	2,129.63	132.37
11 68 13 00-2055	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B)	2,367.11	132.37
11 68 13 00-2056	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A)	1,956.08	132.37
11 68 13 00-2057	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B)	2,175.30	132.37
11 68 13 00-2058	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A)	2,065.69	132.37
11 68 13 00-2059	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B)	2,303.17	132.37
11 68 13 00-2060	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A)	1,983.48	132.37
11 68 13 00-2061	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B)	2,211.83	132.37
11 68 13 00-2062	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A)	2,056.55	132.37
11 68 13 00-2063	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A)	2,842.08	132.37
11 68 13 00-2064	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A)	1,398.20	66.18
11 68 13 00-2065	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B)	1,407.34	66.18
11 68 13 00-2066	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C)	1,416.47	66.18
11 68 13 00-2067	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A)	2,549.79	132.37
11 68 13 00-2068	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B)	4,386.43	198.56
11 68 13 00-2069	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C)	6,624.97	264.75
11 68 13 00-2070	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D)	8,260.66	330.93
11 68 13 00-2071	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A)	411.39	33.10
11 68 13 00-2072	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A)	429.65	33.10
11 68 13 00-2073	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A)	14,464.76	529.50
11 68 13 00-2074	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A)	7,647.98	264.75
11 68 13 00-2075	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B)	7,895.30	330.93
11 68 13 00-2076	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C)	8,023.17	330.93
11 68 13 00-2077	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A)	9,758.63	330.93
11 68 13 00-2078	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B)	9,886.51	330.93
11 68 13 00-2079	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C)	10,032.65	330.93
11 68 13 00-2080	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A)	12,399.06	397.12
11 68 13 00-2081	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B)	12,545.20	397.12
11 68 13 00-2082	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C)	12,682.21	397.12
11 68 13 00-2083	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A)	2,330.57	132.37
11 68 13 00-2084	EA	Stationary Cycler, Handles Only, With Aluminum Posts (Landscape Structures® 160055B)	2,010.88	132.37
11 68 13 00-2085	EA	Stationary Cycler, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C)	2,906.02	132.37
11 68 13 00-2086	EA	Stationary Cycler, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D)	2,010.88	132.37
11 68 13 00-2087	EA	Stationary Cycler, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E)	2,275.77	132.37
11 68 13 00-2088	EA	Stationary Cycler, Handles Only, With Steel Posts (Landscape Structures® 160055F)	1,956.08	132.37
11 68 13 00-2089	EA	Stationary Cycler, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G)	2,851.21	132.37
11 68 13 00-2090	EA	Stationary Cycler, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H)	1,956.08	132.37
11 68 13 00-2091	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A)	3,409.09	198.56
11 68 13 00-2092	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B)	3,354.28	198.56
11 68 13 00-2093	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A)	5,848.58	264.75
11 68 13 00-2094	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B)	5,793.77	264.75
11 68 13 00-2095	EA	The Peak Natural Climber (Landscape Structures® 160418A)	8,461.60	330.93
11 68 13 00-2096	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A)	4,285.95	198.56
11 68 13 00-2097	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A)	10,489.35	330.93
11 68 13 00-2098	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A)	7,739.32	264.75
11 68 13 00-2099	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B)	7,337.42	264.75
11 68 13 00-2100	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A)	7,739.32	264.75
11 68 13 00-2101	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B)	7,337.42	264.75
11 68 13 00-2102	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A)	4,185.48	198.56
11 68 13 00-2103	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B)	3,774.45	198.56
11 68 13 00-2104	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A)	9,676.43	330.93
11 68 13 00-2105	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B)	9,274.53	330.93
11 68 13 00-2106	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A)	3,774.45	198.56
11 68 13 00-2107	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B)	3,372.55	198.56
11 68 13 00-2108	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures®161314A)	3,673.97	198.56
11 68 13 00-2109	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B)	3,372.55	198.56
11 68 13 00-2110	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A)	4,386.43	198.56
11 68 13 00-2111	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B)	4,587.37	198.56
11 68 13 00-2112	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A)	3,473.03	198.56
11 68 13 00-2113	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B)	3,372.55	198.56
11 68 13 00-2114	EA	HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A)	4,386.43	198.56
11 68 13 00-2115	EA	HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B)	4,587.37	198.56
11 68 13 00-2116	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A)	1,636.39	132.37
11 68 13 00-2117	EA	HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B)	1,124.18	66.18
11 68 13 00-2118	EA	Global Releaf Sign With Frame (Landscape Structures® 162617A)	1,005.44	66.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2119	EA	Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A)	1,297.73	66.18
11 68 13 00-2120	EA	Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B)	1,654.66	132.37
11 68 13 00-2121	EA	Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A)	2,504.12	132.37
11 68 13 00-2122	EA	Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B)	2,686.80	132.37
11 68 13 00-2123	EA	16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A)	1,919.54	132.37
11 68 13 00-2124	EA	24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B)	1,937.81	132.37
11 68 13 00-2125		Playground Equipment (Landscape Structures® PlayBooster®) *(11 68 13 00-1655)*		
11 68 13 00-2126	EA	116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A)	1,791.67	132.37
11 68 13 00-2127	EA	Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A)	1,919.54	132.37
11 68 13 00-2128	EA	Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A)	767.96	66.18
11 68 13 00-2129	EA	Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B)	731.42	66.18
11 68 13 00-2130	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A)	584.93	33.10
11 68 13 00-2131	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B)	575.80	33.10
11 68 13 00-2132	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C)	548.40	33.10
11 68 13 00-2133	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D)	539.26	33.10
11 68 13 00-2134	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E)	511.86	33.10
11 68 13 00-2135	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F)	502.73	33.10
11 68 13 00-2136	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G)	484.46	33.10
11 68 13 00-2137	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H)	475.32	33.10
11 68 13 00-2138	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I)	447.92	33.10
11 68 13 00-2139	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J)	438.79	33.10
11 68 13 00-2140	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A)	511.86	33.10
11 68 13 00-2141	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B)	493.59	33.10
11 68 13 00-2142	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C)	484.46	33.10
11 68 13 00-2143	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D)	475.32	33.10
11 68 13 00-2144	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E)	447.92	33.10
11 68 13 00-2145	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F)	438.79	33.10
11 68 13 00-2146	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G)	429.65	33.10
11 68 13 00-2147	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H)	411.39	33.10
11 68 13 00-2148	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I)	393.12	33.10
11 68 13 00-2149	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J)	365.72	33.10
11 68 13 00-2150	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A)	722.29	66.18
11 68 13 00-2151	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B)	694.89	66.18
11 68 13 00-2152	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C)	667.48	66.18
11 68 13 00-2153	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D)	594.07	33.10
11 68 13 00-2154	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E)	584.93	33.10
11 68 13 00-2155	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F)	566.66	33.10
11 68 13 00-2156	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G)	539.26	33.10
11 68 13 00-2157	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H)	530.13	33.10
11 68 13 00-2158	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I)	511.86	33.10
11 68 13 00-2159	EA	ClouDirect Buryurst Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A)	5,765.84	220.62
11 68 13 00-2160	EA	TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A)	7,450.55	595.68
11 68 13 00-2161	EA	Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A)	2,467.94	165.47
11 68 13 00-2162	EA	Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B)	2,732.83	165.47
11 68 13 00-2163	EA	Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A)	3,171.60	198.56
11 68 13 00-2164	EA	40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A)	3,865.62	187.54
11 68 13 00-2165	EA	48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B)	4,404.69	198.56
11 68 13 00-2166	EA	56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C)	4,660.45	198.56
11 68 13 00-2167	EA	64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D)	5,217.80	220.62
11 68 13 00-2168	EA	72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E)	5,464.42	220.62
11 68 13 00-2169	EA	96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F)	7,310.19	286.81
11 68 13 00-2170	EA	Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A)	1,143.15	132.37
11 68 13 00-2171	EA	Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B)	1,170.56	132.37
11 68 13 00-2172	EA	Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A)	1,545.05	132.37
11 68 13 00-2173	EA	Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B)	1,590.72	132.37
11 68 13 00-2174	EA	32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A)	5,840.85	397.12
11 68 13 00-2175	EA	40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B)	6,735.98	397.12
11 68 13 00-2176	EA	48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C)	7,256.62	397.12
11 68 13 00-2177	EA	56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D)	8,573.33	529.50
11 68 13 00-2178	EA	64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E)	8,783.41	529.50
11 68 13 00-2179	EA	72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F)	10,263.12	529.50
11 68 13 00-2180	EA	96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G)	12,100.46	661.87
11 68 13 00-2181	EA	40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A)	9,539.06	297.85
11 68 13 00-2182	EA	56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B)	11,996.81	364.03
11 68 13 00-2183	EA	Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A)	2,102.22	132.37
11 68 13 00-2184	EA	32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A)	2,787.98	198.56
11 68 13 00-2185	EA	40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B)	3,107.67	198.56
11 68 13 00-2186	EA	48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C)	3,463.89	198.56
11 68 13 00-2187	EA	56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D)	3,930.44	264.75
11 68 13 00-2188	EA	64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E)	4,094.85	264.75
11 68 13 00-2189	EA	72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F)	4,679.43	264.75
11 68 13 00-2190	EA	96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G)	5,593.53	330.93
11 68 13 00-2191	EA	72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A)	8,326.35	496.40
11 68 13 00-2192	EA	72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B)	8,645.51	452.27
11 68 13 00-2193	EA	56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C)	7,559.10	496.40
11 68 13 00-2194	EA	56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D)	7,850.85	452.27
11 68 13 00-2195	EA	32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A)	2,988.58	165.47
11 68 13 00-2196	EA	48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B)	3,253.46	165.47
11 68 13 00-2197	EA	64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C)	4,020.72	165.47

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11 68 13 00-2198	EA	32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A)	3,308.27	165.47
11 68 13 00-2199	EA	48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B)	3,573.15	165.47
11 68 13 00-2200	EA	64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C)	4,358.68	165.47
11 68 13 00-2201	EA	32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A)	3,372.21	165.47
11 68 13 00-2202	EA	40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B)	3,573.15	165.47
11 68 13 00-2203	EA	48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C)	4,112.24	187.54
11 68 13 00-2204	EA	56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D)	4,349.89	198.56
11 68 13 00-2205	EA	64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E)	4,861.39	198.56
11 68 13 00-2206	EA	72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F)	5,034.94	198.56
11 68 13 00-2207	EA	96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G)	6,643.24	264.75
11 68 13 00-2208	EA	Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A)	1,206.39	66.18
11 68 13 00-2209	EA	Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A)	2,129.28	99.28
11 68 13 00-2210	EA	Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A)	4,815.72	198.56
11 68 13 00-2211	EA	32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A)	3,108.20	253.72
11 68 13 00-2212	EA	40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B)	3,619.70	253.72
11 68 13 00-2213	EA	32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A)	3,519.23	253.72
11 68 13 00-2214	EA	40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B)	4,049.00	253.72
11 68 13 00-2215	EA	Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A)	3,819.95	187.54
11 68 13 00-2216	EA	Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A)	3,747.05	198.56
11 68 13 00-2217	EA	Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B)	4,021.07	198.56
11 68 13 00-2218	EA	Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A)	4,514.30	198.56
11 68 13 00-2219	EA	Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B)	4,779.19	198.56
11 68 13 00-2220	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B)	1,819.77	198.56
11 68 13 00-2221	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C)	1,920.25	198.56
11 68 13 00-2222	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D)	2,048.12	198.56
11 68 13 00-2223	EA	Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A)	2,477.42	198.56
11 68 13 00-2224	EA	Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B)	2,577.89	198.56
11 68 13 00-2225	EA	Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C)	2,705.77	198.56
11 68 13 00-2226	EA	Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D)	2,806.24	198.56
11 68 13 00-2227	EA	Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A)	4,021.78	264.75
11 68 13 00-2228	EA	Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A)	5,172.66	264.75
11 68 13 00-2229	EA	Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B)	5,848.58	264.75
11 68 13 00-2230	EA	Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A)	7,319.15	264.75
11 68 13 00-2231	EA	Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B)	6,606.70	264.75
11 68 13 00-2232	EA	Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C)	5,848.58	264.75
11 68 13 00-2233	EA	Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D)	5,063.05	264.75
11 68 13 00-2234	EA	Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A)	7,045.13	264.75
11 68 13 00-2235	EA	Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B)	6,606.70	264.75
11 68 13 00-2236	EA	Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C)	6,168.27	264.75
11 68 13 00-2237	EA	48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A)	3,107.67	198.56
11 68 13 00-2238	EA	64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B)	4,030.20	198.56
11 68 13 00-2239	EA	24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A)	2,422.27	165.47
11 68 13 00-2240	EA	48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A)	2,075.00	154.44
11 68 13 00-2241	EA	48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A)	2,787.45	154.44
11 68 13 00-2242	EA	48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A)	2,467.76	154.44
11 68 13 00-2243	EA	40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A)	2,193.92	165.47
11 68 13 00-2244	EA	48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B)	2,303.53	165.47
11 68 13 00-2245	EA	64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C)	2,394.87	165.47
11 68 13 00-2246	EA	40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A)	1,390.13	165.47
11 68 13 00-2247	EA	48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B)	1,463.20	165.47
11 68 13 00-2248	EA	64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C)	1,581.94	165.47
11 68 13 00-2249	EA	40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A)	1,782.89	165.47
11 68 13 00-2250	EA	48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B)	1,855.96	165.47
11 68 13 00-2251	EA	64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C)	1,956.44	165.47
11 68 13 00-2252	EA	48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A)	2,394.87	165.47
11 68 13 00-2253	EA	56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B)	2,413.14	165.47
11 68 13 00-2254	EA	64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C)	2,842.43	165.47
11 68 13 00-2255	EA	72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D)	2,860.70	165.47
11 68 13 00-2256	EA	48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A)	2,778.50	165.47
11 68 13 00-2257	EA	56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B)	2,824.17	165.47
11 68 13 00-2258	EA	64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C)	3,253.46	165.47
11 68 13 00-2259	EA	72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D)	3,280.87	165.47
11 68 13 00-2260	EA	72" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A)	5,446.33	231.65
11 68 13 00-2261	EA	40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B)	4,459.85	231.65
11 68 13 00-2262	EA	32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A)	1,563.32	132.37
11 68 13 00-2263	EA	56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B)	1,764.27	132.37
11 68 13 00-2264	EA	32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A)	1,965.21	132.37
11 68 13 00-2265	EA	56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B)	2,220.97	132.37
11 68 13 00-2266	EA	64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A)	5,319.15	297.85
11 68 13 00-2267	EA	SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A)	7,326.53	99.28
11 68 13 00-2268	EA	Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A)	7,264.35	264.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2269	EA	Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B)	7,264.35	264.75
11 68 13 00-2270	EA	Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C)	7,264.35	264.75
11 68 13 00-2271	EA	SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A)	7,326.53	99.28
11 68 13 00-2272	EA	Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A)	4,623.21	132.37
11 68 13 00-2273	EA	SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A)	9,464.23	132.37
11 68 13 00-2274	EA	Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A)	5,235.54	165.47
11 68 13 00-2275	EA	Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A)	237.84	33.10
11 68 13 00-2276	EA	Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A)	274.38	33.10
11 68 13 00-2277	EA	Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A)	1,032.50	33.10
11 68 13 00-2278	EA	Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A)	365.72	33.10
11 68 13 00-2279	EA	40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A)	3,253.81	198.56
11 68 13 00-2280	EA	48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B)	3,491.29	198.56
11 68 13 00-2281	EA	40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A)	3,655.71	198.56
11 68 13 00-2282	EA	48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B)	3,993.66	198.56
11 68 13 00-2283	EA	40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A)	3,655.71	198.56
11 68 13 00-2284	EA	48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B)	3,920.59	198.56
11 68 13 00-2285	EA	1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A)	1,827.86	99.28
11 68 13 00-2286	EA	2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B)	2,595.11	99.28
11 68 13 00-2287	EA	3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C)	3,371.50	99.28
11 68 13 00-2288	EA	4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D)	4,138.76	99.28
11 68 13 00-2289	EA	1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A)	1,763.92	99.28
11 68 13 00-2290	EA	2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B)	2,019.67	99.28
11 68 13 00-2291	EA	3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C)	2,284.56	99.28
11 68 13 00-2292	EA	4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D)	2,394.17	99.28
11 68 13 00-2293	EA	1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A)	2,111.01	99.28
11 68 13 00-2294	EA	2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B)	2,385.03	99.28
11 68 13 00-2295	EA	3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C)	2,640.78	99.28
11 68 13 00-2296	EA	4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D)	2,896.54	99.28
11 68 13 00-2297	EA	48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A)	4,998.76	231.65
11 68 13 00-2298	EA	64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B)	5,126.64	231.65
11 68 13 00-2299	EA	48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C)	5,053.56	231.65
11 68 13 00-2300	EA	48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A)	5,811.69	231.65
11 68 13 00-2301	EA	64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B)	5,939.56	231.65
11 68 13 00-2302	EA	48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C)	5,884.76	231.65
11 68 13 00-2303	EA	40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A)	1,938.17	165.47
11 68 13 00-2304	EA	56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B)	2,129.98	165.47
11 68 13 00-2305	EA	64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C)	2,330.93	165.47
11 68 13 00-2306	EA	40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A)	2,504.82	198.56
11 68 13 00-2307	EA	56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B)	2,705.77	198.56
11 68 13 00-2308	EA	64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C)	2,897.58	198.56
11 68 13 00-2309	EA	40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A)	2,340.06	165.47
11 68 13 00-2310	EA	56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B)	2,522.74	165.47
11 68 13 00-2311	EA	64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C)	2,732.83	165.47
11 68 13 00-2312	EA	40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A)	1,344.10	132.37
11 68 13 00-2313	EA	40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A)	1,746.00	132.37
11 68 13 00-2314	EA	32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A)	1,563.32	132.37
11 68 13 00-2315	EA	56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B)	1,691.19	132.37
11 68 13 00-2316	EA	32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A)	1,965.21	132.37
11 68 13 00-2317	EA	56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B)	2,074.82	132.37
11 68 13 00-2318	EA	24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A)	1,160.90	88.25
11 68 13 00-2319	EA	32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B)	1,279.64	88.25
11 68 13 00-2320	EA	40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C)	1,425.78	88.25
11 68 13 00-2321	EA	48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D)	1,709.12	99.28
11 68 13 00-2322	EA	56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E)	1,928.33	99.28
11 68 13 00-2323	EA	64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F)	2,129.28	99.28
11 68 13 00-2324	EA	72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G)	2,403.30	99.28
11 68 13 00-2325	EA	48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A)	2,503.77	99.28
11 68 13 00-2326	EA	64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B)	2,595.11	99.28
11 68 13 00-2327	EA	48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A)	2,905.67	99.28
11 68 13 00-2328	EA	64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B)	3,006.14	99.28
11 68 13 00-2329	EA	48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A)	2,477.07	165.47
11 68 13 00-2330	EA	64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B)	2,595.82	165.47
11 68 13 00-2331	EA	48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A)	3,390.82	198.56
11 68 13 00-2332	EA	64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B)	3,536.96	198.56
11 68 13 00-2333	EA	48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A)	2,878.97	165.47
11 68 13 00-2334	EA	64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B)	2,988.58	165.47
11 68 13 00-2335	EA	32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A)	1,316.70	132.37
11 68 13 00-2336	EA	40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B)	1,764.27	132.37

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11 68 13 00-2337	EA	56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C)	2,221.14	154.44
11 68 13 00-2338	EA	72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D)	2,677.84	154.44
11 68 13 00-2339	EA	32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A)	2,138.76	132.37
11 68 13 00-2340	EA	40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B)	2,275.77	132.37
11 68 13 00-2341	EA	48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C)	2,595.46	132.37
11 68 13 00-2342	EA	64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D)	2,915.15	132.37
11 68 13 00-2343	EA	32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A)	2,549.79	132.37
11 68 13 00-2344	EA	40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B)	2,677.67	132.37
11 68 13 00-2345	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C)	2,997.36	132.37
11 68 13 00-2346	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D)	3,326.18	132.37
11 68 13 00-2347	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A)	1,593.25	198.56
11 68 13 00-2348	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A)	1,873.87	132.37
11 68 13 00-2349	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A)	2,057.26	198.56
11 68 13 00-2350	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A)	8,363.25	529.50
11 68 13 00-2351	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B)	8,363.25	529.50
11 68 13 00-2352	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A)	1,672.93	132.37
11 68 13 00-2353	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B)	1,672.93	132.37
11 68 13 00-2354	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C)	1,846.47	132.37
11 68 13 00-2355	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D)	1,846.47	132.37
11 68 13 00-2356	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A)	1,078.87	99.28
11 68 13 00-2357	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B)	1,161.08	99.28
11 68 13 00-2358	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C)	1,215.88	99.28
11 68 13 00-2359	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D)	1,288.95	99.28
11 68 13 00-2360	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A)	1,690.85	99.28
11 68 13 00-2361	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B)	1,763.92	99.28
11 68 13 00-2362	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C)	1,827.86	99.28
11 68 13 00-2363	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D)	1,910.06	99.28
11 68 13 00-2364	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A)	1,471.63	99.28
11 68 13 00-2365	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B)	1,526.44	99.28
11 68 13 00-2366	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C)	1,608.64	99.28
11 68 13 00-2367	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D)	1,690.85	99.28
11 68 13 00-2368	EA	56" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D)	1,253.12	165.47
11 68 13 00-2369	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E)	1,298.79	165.47
11 68 13 00-2370	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F)	1,380.99	165.47
11 68 13 00-2371	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A)	1,746.35	165.47
11 68 13 00-2372	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B)	1,819.43	165.47
11 68 13 00-2373	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C)	1,874.23	165.47
11 68 13 00-2374	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D)	1,938.17	165.47
11 68 13 00-2375	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E)	2,002.11	165.47
11 68 13 00-2376	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F)	2,066.04	165.47
11 68 13 00-2377	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A)	1,463.20	165.47
11 68 13 00-2378	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B)	1,536.27	165.47
11 68 13 00-2379	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C)	1,581.94	165.47
11 68 13 00-2380	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D)	1,627.61	165.47
11 68 13 00-2381	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E)	1,682.42	165.47
11 68 13 00-2382	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F)	1,764.62	165.47
11 68 13 00-2383	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A)	2,504.12	132.37
11 68 13 00-2384	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A)	1,763.92	99.28
11 68 13 00-2385	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A)	3,536.96	198.56
11 68 13 00-2386	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A)	886.70	66.18
11 68 13 00-2387	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A)	2,504.12	132.37
11 68 13 00-2388	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A)	4,505.17	198.56
11 68 13 00-2389	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A)	3,573.15	165.47
11 68 13 00-2390	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A)	3,390.82	198.56
11 68 13 00-2391	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A)	3,792.37	165.47
11 68 13 00-2392	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A)	2,449.67	165.47
11 68 13 00-2393	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A)	1,553.48	66.18
11 68 13 00-2394	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A)	1,516.95	66.18
11 68 13 00-2395	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A)	1,599.15	66.18
11 68 13 00-2396	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A)	1,233.79	66.18
11 68 13 00-2397	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A)	1,708.76	66.18
11 68 13 00-2398	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A)	1,370.80	66.18
11 68 13 00-2399	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A)	1,745.30	66.18
11 68 13 00-2400	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A)	3,573.15	165.47
11 68 13 00-2401	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A)	1,516.95	66.18
11 68 13 00-2402	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A)	2,621.81	33.10
11 68 13 00-2403	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A)	2,248.02	99.28
11 68 13 00-2404	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B)	1,992.27	99.28
11 68 13 00-2405	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B)	1,709.46	132.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2406	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B)	1,800.80	132.37
11 68 13 00-2407	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A)	3,362.72	132.37
11 68 13 00-2408	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A)	3,782.88	132.37
11 68 13 00-2409	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A)	4,807.65	297.85
11 68 13 00-2410	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A)	6,114.17	330.93
11 68 13 00-2411	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A)	13,242.21	661.87
11 68 13 00-2412	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A)	7,256.62	397.12
11 68 13 00-2413	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A)	2,877.91	66.18
11 68 13 00-2414	EA	42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A)	3,069.73	66.18
11 68 13 00-2415	EA	123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A)	5,600.90	165.47
11 68 13 00-2416	EA	123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B)	7,217.62	165.47
11 68 13 00-2417	EA	42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A)	2,933.07	99.28
11 68 13 00-2418	EA	84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A)	4,432.81	264.75
11 68 13 00-2419	EA	123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A)	5,126.99	264.75
11 68 13 00-2420	EA	Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A)	438.79	33.10
11 68 13 00-2421	EA	Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A)	658.71	99.28
11 68 13 00-2422	EA	Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B)	804.85	99.28
11 68 13 00-2423	EA	Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A)	640.44	99.28
11 68 13 00-2424	EA	84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A)	4,788.32	198.56
11 68 13 00-2425	EA	123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A)	6,067.44	231.65
11 68 13 00-2426	EA	84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A)	6,880.01	198.56
11 68 13 00-2427	EA	123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A)	8,414.52	198.56
11 68 13 00-2428	EA	84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A)	4,170.03	463.31
11 68 13 00-2429	EA	123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A)	5,778.32	529.50
11 68 13 00-2430	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A)	5,778.32	529.50
11 68 13 00-2431	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A)	4,293.68	66.18
11 68 13 00-2432	EA	16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A)	2,804.84	66.18
11 68 13 00-2433	EA	Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A)	3,226.76	231.65
11 68 13 00-2434	EA	64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B)	3,572.80	132.37
11 68 13 00-2435	EA	90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A)	4,239.58	132.37
11 68 13 00-2436	EA	32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A)	2,732.47	132.37
11 68 13 00-2437	EA	C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A)	6,972.06	264.75
11 68 13 00-2438	EA	S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B)	6,972.06	264.75
11 68 13 00-2439	EA	C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A)	6,972.06	264.75
11 68 13 00-2440	EA	S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B)	6,972.06	264.75
11 68 13 00-2441	EA	24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A)	4,459.85	231.65
11 68 13 00-2442	EA	8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A)	3,948.35	231.65
11 68 13 00-2443	EA	16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A)	4,076.23	231.65
11 68 13 00-2444	EA	Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A)	2,183.91	88.25
11 68 13 00-2445	EA	Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A)	2,074.30	88.25
11 68 13 00-2446	EA	Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A)	2,448.61	66.18
11 68 13 00-2447	EA	Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A)	1,891.44	66.18
11 68 13 00-2448	EA	Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A)	1,818.55	88.25
11 68 13 00-2449	EA	Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A)	1,681.54	88.25
11 68 13 00-2450	EA	Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A)	1,115.05	66.18
11 68 13 00-2451	EA	Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A)	822.76	66.18
11 68 13 00-2452	EA	Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A)	831.90	66.18
11 68 13 00-2453	EA	Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A)	1,599.15	66.18
11 68 13 00-2454	EA	Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A)	1,297.91	88.25
11 68 13 00-2455	EA	Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A)	996.31	66.18
11 68 13 00-2456	EA	Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A)	996.31	66.18
11 68 13 00-2457	EA	Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A)	1,516.95	66.18
11 68 13 00-2458	EA	Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A)	1,453.01	66.18
11 68 13 00-2459	EA	Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A)	1,717.89	66.18
11 68 13 00-2460	EA	Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A)	2,046.72	66.18
11 68 13 00-2461	EA	Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A)	1,891.44	66.18
11 68 13 00-2462	EA	Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A)	1,014.58	66.18
11 68 13 00-2463	EA	Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A)	1,699.98	99.28
11 68 13 00-2464	EA	Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B)	1,955.73	99.28
11 68 13 00-2465	EA	Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A)	1,233.79	66.18
11 68 13 00-2466	EA	Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B)	1,425.61	66.18
11 68 13 00-2467	EA	Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A)	1,142.45	66.18
11 68 13 00-2468	EA	Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A)	959.77	66.18
11 68 13 00-2469	EA	Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A)	914.10	66.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2470	EA	Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A)	1,572.27	121.34
11 68 13 00-2471	EA	Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A)	2,111.01	99.28
11 68 13 00-2472	EA	Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A)	1,434.92	88.25
11 68 13 00-2473	EA	Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A)	822.76	66.18
11 68 13 00-2474	EA	Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A)	850.16	66.18
11 68 13 00-2475	EA	2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A)	411.39	33.10
11 68 13 00-2476	EA	1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B)	206.61	22.06
11 68 13 00-2477	EA	House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A)	1,078.34	55.16
11 68 13 00-2478	EA	House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B)	1,288.60	66.18
11 68 13 00-2479	EA	House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A)	932.37	66.18
11 68 13 00-2480	EA	Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A)	2,348.14	66.18
11 68 13 00-2481	EA	Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A)	2,046.72	66.18
11 68 13 00-2482	EA	Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B)	2,558.22	66.18
11 68 13 00-2483	EA	Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A)	850.16	66.18
11 68 13 00-2484	EA	Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A)	914.28	88.25
11 68 13 00-2485	EA	Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B)	1,087.65	66.18
11 68 13 00-2486	EA	Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B)	1,170.03	88.25
11 68 13 00-2487	EA	Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A)	904.97	66.18
11 68 13 00-2488	EA	Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B)	1,160.72	66.18
11 68 13 00-2489	EA	Pipe Guardrail (Landscape Structures® PlayBooster® 116245A)	731.42	66.18
11 68 13 00-2490	EA	Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A)	932.55	88.25
11 68 13 00-2491	EA	Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A)	886.35	33.10
11 68 13 00-2492	EA	Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A)	635.63	33.10
11 68 13 00-2493	EA	Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A)	1,160.37	33.10
11 68 13 00-2494	EA	Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A)	1,964.33	55.16
11 68 13 00-2495	EA	Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A)	1,060.07	55.16
11 68 13 00-2496	EA	Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A)	1,617.24	55.16
11 68 13 00-2497	EA	Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A)	1,215.52	66.18
11 68 13 00-2498	EA	Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B)	1,480.41	66.18
11 68 13 00-2499	EA	Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A)	2,978.39	66.18
11 68 13 00-2500	EA	Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B)	3,206.91	88.25
11 68 13 00-2501	EA	Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A)	1,854.90	66.18
11 68 13 00-2502	EA	Wire Barrier (Landscape Structures® PlayBooster® 120314A)	950.82	88.25
11 68 13 00-2503	EA	Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A)	1,151.76	88.25
11 68 13 00-2504	EA	Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B)	1,215.70	88.25
11 68 13 00-2505	EA	Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B)	1,416.65	88.25
11 68 13 00-2506	EA	Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C)	1,014.58	66.18
11 68 13 00-2507	EA	Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D)	1,279.46	66.18
11 68 13 00-2508	EA	Loop Seats (Landscape Structures® PlayBooster® 118089A)	639.74	33.10
11 68 13 00-2509	EA	Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A)	246.80	22.06
11 68 13 00-2510	EA	Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A)	274.20	22.06
11 68 13 00-2511	EA	Handloop Assembly (Landscape Structures® PlayBooster® 111275A)	356.75	55.16
11 68 13 00-2512	EA	Rail Assembly (Landscape Structures® PlayBooster® 111276A)	347.62	55.16
11 68 13 00-2513	EA	Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B)	1,846.29	121.34
11 68 13 00-2514	EA	Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C)	795.72	99.28
11 68 13 00-2515	EA	Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D)	740.91	99.28
11 68 13 00-2516	EA	Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A)	950.64	66.18
11 68 13 00-2517	EA	Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A)	2,540.31	99.28
11 68 13 00-2518	EA	48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A)	895.49	33.10
11 68 13 00-2519	EA	72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B)	950.29	33.10
11 68 13 00-2520	EA	Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A)	676.27	33.10
11 68 13 00-2521	EA	16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B)	685.41	33.10
11 68 13 00-2522	EA	24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C)	694.54	33.10
11 68 13 00-2523	EA	32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D)	703.67	33.10
11 68 13 00-2524	EA	40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E)	712.81	33.10
11 68 13 00-2525	EA	48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F)	731.08	33.10
11 68 13 00-2526	EA	56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G)	740.21	33.10
11 68 13 00-2527	EA	64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H)	758.48	33.10
11 68 13 00-2528	EA	72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I)	767.61	33.10
11 68 13 00-2529	EA	Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A)	1,059.90	33.10
11 68 13 00-2530	EA	Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A)	3,227.12	264.75
11 68 13 00-2531	EA	Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A)	4,533.28	264.75
11 68 13 00-2532	EA	Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A)	3,719.64	198.56
11 68 13 00-2533	EA	Square SteelX Roof (Landscape Structures® PlayBooster® 139375A)	3,966.26	198.56
11 68 13 00-2534	EA	Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A)	6,177.05	231.65
11 68 13 00-2535	EA	Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A)	383.81	22.06
11 68 13 00-2536	EA	Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A)	15,307.90	794.25
11 68 13 00-2537	EA	Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A)	5,067.28	661.87
11 68 13 00-2538	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A)	26,199.84	1,191.37
11 68 13 00-2539	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B)	20,472.83	1,191.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2540	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C)	19,367.61	1,191.37
11 68 13 00-2541	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D)	26,355.12	1,191.37
11 68 13 00-2542	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E)	20,628.10	1,191.37
11 68 13 00-2543	EA	PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F)	19,532.02	1,191.37
11 68 13 00-2544	EA	Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A)	1,343.40	66.18
11 68 13 00-2545	EA	Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A)	1,288.60	66.18
11 68 13 00-2546	EA	Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A)	1,252.06	66.18
11 68 13 00-2547	EA	Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A)	1,014.23	33.10
11 68 13 00-2548	EA	Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A)	3,792.37	165.47
11 68 13 00-2549	EA	Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A)	1,005.26	55.16
11 68 13 00-2550	EA	90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A)	1,078.17	33.10
11 68 13 00-2551	EA	Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A)	758.82	66.18
11 68 13 00-2552	EA	24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A)	612.50	55.16
11 68 13 00-2553	EA	32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B)	758.65	55.16
11 68 13 00-2554	EA	To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A)	3,300.19	264.75
11 68 13 00-2555	EA	To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B)	3,738.62	264.75
11 68 13 00-2556	EA	To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C)	3,921.30	264.75
11 68 13 00-2557	EA	To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A)	3,647.28	264.75
11 68 13 00-2558	EA	To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B)	4,076.58	264.75
11 68 13 00-2559	EA	To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C)	4,231.86	264.75
11 68 13 00-2560	EA	Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A)	1,927.98	66.18
11 68 13 00-2561	EA	Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B)	1,864.04	66.18
11 68 13 00-2562	EA	Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C)	1,790.97	66.18
11 68 13 00-2563	EA	Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D)	1,772.70	66.18
11 68 13 00-2564	EA	Arch/Ground Level (Landscape Structures® PlayBooster® 111406E)	1,653.96	66.18
11 68 13 00-2565	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J)	639.90	55.16
11 68 13 00-2566	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K)	621.64	55.16
11 68 13 00-2567	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L)	612.50	55.16
11 68 13 00-2568	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M)	603.37	55.16
11 68 13 00-2569	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N)	594.23	55.16
11 68 13 00-2570	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O)	575.97	55.16
11 68 13 00-2571	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P)	566.83	55.16
11 68 13 00-2572	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q)	557.70	55.16
11 68 13 00-2573	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R)	539.43	55.16
11 68 13 00-2574	EA	106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J)	603.37	55.16
11 68 13 00-2575	EA	98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K)	594.23	55.16
11 68 13 00-2576	EA	90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L)	575.97	55.16
11 68 13 00-2577	EA	82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M)	566.83	55.16
11 68 13 00-2578	EA	74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N)	557.70	55.16
11 68 13 00-2579	EA	66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O)	539.43	55.16
11 68 13 00-2580	EA	58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P)	530.30	55.16
11 68 13 00-2581	EA	50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q)	521.16	55.16
11 68 13 00-2582	EA	42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R)	512.03	55.16
11 68 13 00-2583	EA	148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M)	475.32	33.10
11 68 13 00-2584	EA	140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N)	787.71	33.10
11 68 13 00-2585	EA	132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O)	438.79	33.10
11 68 13 00-2586	EA	124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P)	429.65	33.10
11 68 13 00-2587	EA	116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q)	420.52	33.10
11 68 13 00-2588	EA	108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R)	411.39	33.10
11 68 13 00-2589	EA	100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S)	393.12	33.10
11 68 13 00-2590	EA	92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T)	365.72	33.10
11 68 13 00-2591	EA	84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U)	347.45	33.10
11 68 13 00-2592	EA	76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V)	338.31	33.10
11 68 13 00-2593	EA	156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W)	539.26	33.10
11 68 13 00-2594	EA	182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z)	621.47	33.10
11 68 13 00-2595	EA	182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K)	548.40	33.10
11 68 13 00-2596	EA	174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L)	539.26	33.10
11 68 13 00-2597	EA	166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M)	530.13	33.10
11 68 13 00-2598	EA	158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N)	511.86	33.10
11 68 13 00-2599	EA	150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O)	502.73	33.10
11 68 13 00-2600	EA	142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P)	493.59	33.10
11 68 13 00-2601	EA	134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q)	484.46	33.10
11 68 13 00-2602	EA	126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R)	475.32	33.10
11 68 13 00-2603	EA	118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S)	447.92	33.10
11 68 13 00-2604	EA	110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T)	438.79	33.10
11 68 13 00-2605	EA	204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A)	2,515.38	1,191.37
11 68 13 00-2606	EA	212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B)	2,524.52	1,191.37
11 68 13 00-2607	EA	220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C)	2,542.78	1,191.37
11 68 13 00-2608	EA	264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A)	2,290.54	661.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2609	EA	248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B)	2,235.74	661.87
11 68 13 00-2610	EA	232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C)	2,208.33	661.87
11 68 13 00-2611	EA	220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D)	2,053.06	661.87
11 68 13 00-2612	EA	200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E)	2,016.52	661.87
11 68 13 00-2613	EA	Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A)	727.77	66.18
11 68 13 00-2614	EA	132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A)	1,883.01	132.37
11 68 13 00-2615	EA	Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B)	1,627.26	132.37
11 68 13 00-2616	EA	84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B)	3,924.78	198.56
11 68 13 00-2617	EA	84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C)	4,103.27	198.56
11 68 13 00-2618	EA	123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B)	5,537.51	264.75
11 68 13 00-2619	EA	123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C)	5,172.66	264.75
11 68 13 00-2620	EA	106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A)	731.42	66.18
11 68 13 00-2621	EA	98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B)	704.02	66.18
11 68 13 00-2622	EA	90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C)	676.62	66.18
11 68 13 00-2623	EA	82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D)	667.48	66.18
11 68 13 00-2624	EA	74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E)	594.07	33.10
11 68 13 00-2625	EA	66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F)	575.80	33.10
11 68 13 00-2626	EA	58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G)	548.40	33.10
11 68 13 00-2627	EA	50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H)	539.26	33.10
11 68 13 00-2628	EA	42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I)	530.13	33.10
11 68 13 00-2629	EA	Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B)	1,809.94	132.37
11 68 13 00-2630	EA	32" Decks, Spring Across Bridge With 4 TenderTuff-coated Handloops (Landscape Structures® PlayBooster® 136156B)	5,904.57	264.75
11 68 13 00-2631	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B)	5,537.51	264.75
11 68 13 00-2632	EA	S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C)	5,716.77	264.75
11 68 13 00-2633	EA	Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A)	5,912.52	264.75
11 68 13 00-2634	EA	The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A)	27,529.20	794.25
11 68 13 00-2635	EA	The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A)	15,560.84	529.50
11 68 13 00-2636	EA	Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A)	1,370.80	66.18
11 68 13 00-2637	EA	Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A)	4,879.66	198.56
11 68 13 00-2638	EA	Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B)	4,386.43	198.56
11 68 13 00-2639	EA	Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A)	5,702.43	264.75
11 68 13 00-2640	EA	Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A)	5,492.35	264.75
11 68 13 00-2641	EA	Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B)	4,897.93	198.56
11 68 13 00-2642	EA	Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C)	4,660.45	198.56
11 68 13 00-2643	EA	Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D)	4,167.21	198.56
11 68 13 00-2644	EA	Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A)	6,734.58	264.75
11 68 13 00-2645	EA	16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A)	731.42	66.18
11 68 13 00-2646	EA	24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A)	1,087.65	66.18
11 68 13 00-2647	EA	24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B)	1,206.39	66.18
11 68 13 00-2648	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A)	1,819.07	132.37
11 68 13 00-2649	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B)	1,946.95	132.37
11 68 13 00-2650	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C)	2,038.29	132.37
11 68 13 00-2651	EA	32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D)	2,138.76	132.37
11 68 13 00-2652	EA	Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A)	3,071.13	198.56
11 68 13 00-2653	EA	Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A)	1,946.95	132.37
11 68 13 00-2654	EA	Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A)	1,764.27	132.37
11 68 13 00-2655	EA	Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A)	1,453.01	66.18
11 68 13 00-2656	EA	Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B)	1,133.32	66.18
11 68 13 00-2657	EA	Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C)	2,138.76	132.37
11 68 13 00-2658	EA	Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D)	1,133.32	66.18
11 68 13 00-2659	EA	(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A)	2,924.28	132.37
11 68 13 00-2660	EA	(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B)	2,896.88	132.37
11 68 13 00-2661	EA	The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A)	8,927.44	330.93
11 68 13 00-2662	EA	The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A)	9,393.27	330.93
11 68 13 00-2663	EA	The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A)	4,751.79	198.56
11 68 13 00-2664	EA	64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A)	5,583.69	264.75
11 68 13 00-2665	EA	Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A)	831.90	66.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2666	EA	Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A)	4,815.72	198.56
11 68 13 00-2667	EA	Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A)	9,512.01	330.93
11 68 13 00-2668	EA	RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A)	3,071.13	198.56
11 68 13 00-2669	EA	Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A)	1,306.86	66.18
11 68 13 00-2670	EA	Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A)	1,178.99	66.18
11 68 13 00-2671	EA	Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A)	1,188.12	66.18
11 68 13 00-2672	EA	Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A)	2,650.26	132.37
11 68 13 00-2673	EA	Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A)	2,111.36	132.37
11 68 13 00-2674	EA	Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A)	1,105.92	66.18
11 68 13 00-2675	EA	Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A)	1,288.60	66.18
11 68 13 00-2676	EA	Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A)	1,206.39	66.18
11 68 13 00-2677		**Playground Equipment (Landscape Structures® Evos™)** *(11 68 13 00-1655)*		
11 68 13 00-2678	EA	Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A)	1,005.44	66.18
11 68 13 00-2679	EA	Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A)	1,178.99	66.18
11 68 13 00-2680	EA	Slalom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A)	4,505.17	198.56
11 68 13 00-2681	EA	Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A)	3,473.03	198.56
11 68 13 00-2682	EA	Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A)	8,167.73	187.54
11 68 13 00-2683	EA	Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A)	6,314.41	264.75
11 68 13 00-2684	EA	RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A)	4,221.67	165.47
11 68 13 00-2685	EA	Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A)	8,715.94	198.56
11 68 13 00-2686	EA	Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A)	2,056.55	132.37
11 68 13 00-2687	EA	Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A)	2,677.32	99.28
11 68 13 00-2688	EA	E-Pod Step (Landscape Structures® Evos™ 156454A)	420.34	22.06
11 68 13 00-2689	EA	Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A)	1,891.44	66.18
11 68 13 00-2690	EA	8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A)	1,370.62	55.16
11 68 13 00-2691	EA	16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B)	1,379.76	55.16
11 68 13 00-2692	EA	24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C)	1,388.89	55.16
11 68 13 00-2693	EA	Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A)	7,840.14	297.85
11 68 13 00-2694	EA	PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A)	8,085.70	198.56
11 68 13 00-2695	EA	ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A)	3,536.26	132.37
11 68 13 00-2696	EA	Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A)	3,800.45	66.18
11 68 13 00-2697	EA	2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A)	33,192.28	794.25
11 68 13 00-2698	EA	3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A)	37,416.40	1,191.37
11 68 13 00-2699	EA	Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A)	4,233.26	397.12
11 68 13 00-2700	EA	16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A)	1,919.54	132.37
11 68 13 00-2701	EA	24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B)	1,937.81	132.37
11 68 13 00-2702	EA	Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A)	1,288.60	66.18
11 68 13 00-2703	EA	Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A)	1,188.12	66.18
11 68 13 00-2704	EA	Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A)	1,014.58	66.18
11 68 13 00-2705	EA	Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A)	2,102.22	132.37
11 68 13 00-2706	EA	Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A)	1,087.65	66.18
11 68 13 00-2707	EA	Chimes Reach Panel (Landscape Structures® Evos™ 161777A)	1,755.13	132.37
11 68 13 00-2708	EA	Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A)	685.75	66.18
11 68 13 00-2709	EA	Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A)	941.50	66.18
11 68 13 00-2710	EA	Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A)	1,215.52	66.18
11 68 13 00-2711	EA	Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A)	2,842.08	132.37
11 68 13 00-2712	EA	Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A)	3,473.03	198.56
11 68 13 00-2713	EA	BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A)	6,159.13	264.75
11 68 13 00-2714	EA	Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A)	2,531.52	132.37
11 68 13 00-2715	EA	Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A)	2,759.87	132.37
11 68 13 00-2716	EA	3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A)	37,946.18	1,191.37
11 68 13 00-2717	EA	4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A)	41,508.44	1,191.37
11 68 13 00-2718	EA	Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A)	4,413.83	198.56
11 68 13 00-2719	EA	Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A)	8,205.85	330.93
11 68 13 00-2720	EA	Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A)	1,965.21	132.37
11 68 13 00-2721	EA	Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A)	2,467.58	132.37
11 68 13 00-2722	EA	TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A)	2,467.58	132.37
11 68 13 00-2723		**Playground Equipment (Landscape Structures® Weevos™)** *(11 68 13 00-1655)*		
11 68 13 00-2724	EA	Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A)	1,005.44	66.18
11 68 13 00-2725	EA	ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A)	2,577.19	132.37
11 68 13 00-2726		**Playground Equipment (Landscape Structures® Parts)** *(11 68 13 00-1655)*		
11 68 13 00-2727	EA	52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A)	108.14	33.10
11 68 13 00-2728	EA	66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A)	113.62	33.10
11 68 13 00-2729	EA	Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A)	106.31	33.10
11 68 13 00-2730	EA	Play It Safe Label, 2-5 Years (Landscape Structures® 156845A)	12.86	6.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2731	EA	Play It Safe Label, 2-12 Years (Landscape Structures® 156846A)	12.86	6.62
11 68 13 00-2732	EA	Play It Safe Label, 5-12 Years (Landscape Structures® 156847A)	12.86	6.62
11 68 13 00-2733	EA	Play It Safe Label, 8-12 Years (Landscape Structures® 156848A)	12.86	6.62
11 68 13 00-2734	EA	D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A)	166.59	33.10
11 68 13 00-2735	EA	(2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A)	86.00	13.24
11 68 13 00-2736	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A)	53.12	13.24
11 68 13 00-2737	EA	(2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A)	54.94	13.24
11 68 13 00-2738	EA	2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A)	109.79	16.55
11 68 13 00-2739	EA	3-1/2" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A)	109.79	16.55
11 68 13 00-2740	EA	TenderTuff Repair Kit (Landscape Structures® 138717A)	11.87	
11 68 13 00-2741	EA	Anti-Wrap, 2-3/8" Diameter Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A)	144.50	16.55
11 68 13 00-2742	EA	(2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A)	91.48	13.24
11 68 13 00-2743	EA	65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A)	111.79	33.10
11 68 13 00-2744	EA	43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A)	101.74	33.10
11 68 13 00-2745	EA	87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A)	137.37	33.10
11 68 13 00-2746	EA	29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A)	97.18	33.10
11 68 13 00-2747	EA	49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A)	106.31	33.10
11 68 13 00-2748	EA	67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A)	115.44	33.10
11 68 13 00-2749	EA	76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A)	124.58	33.10
11 68 13 00-2750	EA	90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A)	142.85	33.10
11 68 13 00-2751	EA	37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A)	99.92	33.10
11 68 13 00-2752	EA	121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A)	164.77	33.10
11 68 13 00-2753	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A)	813.63	66.18
11 68 13 00-2754	EA	Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A)	320.05	33.10
11 68 13 00-2755	EA	Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A)	310.91	33.10
11 68 13 00-2756	EA	Nylon Basketball Net (Landscape Structures® 100082A)	53.16	16.55
11 68 13 00-2757	EA	Chain Basketball Net (Landscape Structures® 100083A)	65.94	16.55
11 68 13 00-2758	EA	Basketball Frame Set Only, Moveable (Landscape Structures® 100099A)	1,453.01	66.18
11 68 13 00-2759	EA	Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A)	1,206.39	66.18
11 68 13 00-2760	EA	Warning Label (Landscape Structures® 115176A)	0.18	
11 68 13 00-2761	EA	PS Spare Parts Kit (Landscape Structures® 107040A)	62.11	
11 68 13 00-2762	EA	PB Spare Parts Kit (Landscape Structures® 107043A)	135.18	
11 68 13 00-2763	EA	Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A)	795.36	66.18
11 68 13 00-2764	EA	5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A)	166.59	33.10
11 68 13 00-2765	EA	Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A)	941.50	66.18

11 68 13 00-2766 Playground Equipment (Landscape Structures® Site Furniture) *(11 68 13 00-1655)*

11 68 13 00-2767	EA	60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A)	1,572.27	121.34
11 68 13 00-2768	EA	60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B)	813.98	99.28
11 68 13 00-2769	EA	60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C)	1,380.46	121.34
11 68 13 00-2770	EA	60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D)	795.72	99.28
11 68 13 00-2771	EA	96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E)	2,257.32	121.34
11 68 13 00-2772	EA	96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F)	1,060.60	99.28
11 68 13 00-2773	EA	96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G)	1,965.04	121.34
11 68 13 00-2774	EA	96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H)	1,033.20	99.28
11 68 13 00-2775	EA	Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A)	384.69	99.28
11 68 13 00-2776	EA	32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A)	234.89	99.28
11 68 13 00-2777	EA	Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A)	287.69	88.25
11 68 13 00-2778	EA	Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A)	987.53	99.28
11 68 13 00-2779	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A)	850.34	88.25
11 68 13 00-2780	EA	Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B)	850.34	88.25
11 68 13 00-2781	EA	Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A)	512.21	66.18
11 68 13 00-2782	EA	Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B)	758.82	66.18
11 68 13 00-2783	EA	60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A)	2,497.10	330.93
11 68 13 00-2784	EA	60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B)	2,405.76	330.93
11 68 13 00-2785	EA	60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C)	2,277.89	330.93
11 68 13 00-2786	EA	84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D)	3,109.08	330.93
11 68 13 00-2787	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E)	3,008.61	330.93
11 68 13 00-2788	EA	84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F)	2,871.60	330.93
11 68 13 00-2789	EA	60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G)	2,615.84	330.93
11 68 13 00-2790	EA	60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H)	2,497.10	330.93
11 68 13 00-2791	EA	60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I)	2,369.23	330.93
11 68 13 00-2792	EA	84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J)	3,227.82	330.93
11 68 13 00-2793	EA	84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K)	3,109.08	330.93
11 68 13 00-2794	EA	84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L)	2,962.94	330.93
11 68 13 00-2795	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A)	813.98	99.28
11 68 13 00-2796	EA	70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B)	896.19	99.28
11 68 13 00-2797	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C)	877.92	99.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2798	EA	94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D)	960.13	99.28
11 68 13 00-2799	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E)	1,197.61	99.28
11 68 13 00-2800	EA	70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F)	1,115.41	99.28
11 68 13 00-2801	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G)	1,270.68	99.28
11 68 13 00-2802	EA	94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H)	1,188.48	99.28
11 68 13 00-2803	EA	Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A)	168.24	22.06
11 68 13 00-2804	EA	72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A)	831.90	66.18
11 68 13 00-2805	EA	72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B)	850.16	66.18
11 68 13 00-2806	EA	72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C)	539.61	66.18
11 68 13 00-2807	EA	72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D)	567.01	66.18
11 68 13 00-2808	EA	92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E)	850.16	66.18
11 68 13 00-2809	EA	92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F)	886.70	66.18
11 68 13 00-2810	EA	92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G)	567.01	66.18
11 68 13 00-2811	EA	92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H)	603.55	66.18
11 68 13 00-2812	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A)	1,948.36	264.75
11 68 13 00-2813	EA	72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B)	2,039.70	264.75
11 68 13 00-2814	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C)	2,048.83	264.75
11 68 13 00-2815	EA	92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D)	2,185.84	264.75
11 68 13 00-2816	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E)	2,003.16	264.75
11 68 13 00-2817	EA	92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F)	2,112.77	264.75
11 68 13 00-2818	EA	Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A)	1,863.86	55.16
11 68 13 00-2819	EA	Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B)	1,690.31	55.16
11 68 13 00-2820	EA	Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C)	1,544.17	55.16
11 68 13 00-2821	EA	Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A)	822.76	66.18
11 68 13 00-2822	EA	Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C)	704.02	66.18
11 68 13 00-2823	EA	Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D)	950.64	66.18

11 68 13 00-2824 Playground Equipment (Little Tikes) *(11 68 13)*

11 68 13 00-2825	EA	Kid Builders Play Structure (Little Tikes 80)	123,434.86	6,729.99
11 68 13 00-2826	EA	Kid Builders Ship (Little Tikes 81)	64,264.87	3,496.66
11 68 13 00-2827	EA	Kid Builders Ship (Little Tikes 81, Version 2)	67,019.47	3,647.30
11 68 13 00-2828	EA	Kid Builders Ship (Little Tikes 82)	43,384.25	2,361.96
11 68 13 00-2829	EA	Kid Builders Play (Little Tikes 82, Version 2)	44,046.81	2,397.11
11 68 13 00-2830	EA	Kid Builders Castle (Little Tikes 83)	21,356.81	1,161.37
11 68 13 00-2831	EA	Kid Builders Castle (Little Tikes 84)	157,287.04	8,555.76
11 68 13 00-2832	EA	Kid Builders Castle (Little Tikes 85)	85,868.70	4,675.85
11 68 13 00-2833	EA	Kid Builders Frontier Village (Little Tikes 86, Phase 1)	41,842.28	2,278.25
11 68 13 00-2834	EA	Kid Builders Frontier Village (Little Tikes 86, Phase 2)	50,628.75	2,758.98
11 68 13 00-2835	EA	Kid Builders Frontier Village (Little Tikes 87)	43,475.79	2,365.42
11 68 13 00-2836	EA	Kid Builders Play Structure (Little Tikes 88, Phase 1)	80,611.50	4,394.71
11 68 13 00-2837	EA	Kid Builders Play Structure (Little Tikes 88, Phase 2)	34,789.08	1,892.32
11 68 13 00-2838	EA	Kid Builders Play Structure (Little Tikes 89)	92,624.82	5,042.24
11 68 13 00-2839	EA	Kid Builders Play Structure (Little Tikes 89, Version 2)	80,138.20	4,358.97
11 68 13 00-2840	EA	Kid Builders Play Structure (Little Tikes 90)	94,408.53	5,138.94
11 68 13 00-2841	EA	Kid Builders Play Structure (Little Tikes 91, Phase 1)	46,989.42	2,557.19
11 68 13 00-2842	EA	Kid Builders Play Structure (Little Tikes 91, Phase 2)	42,009.77	2,287.98
11 68 13 00-2843	EA	Kid Builders Play Structure (Little Tikes 92, Phase 1)	31,898.29	1,737.06
11 68 13 00-2844	EA	Kid Builders Play Structure (Little Tikes 92, Phase 2)	41,013.47	2,233.95
11 68 13 00-2845	EA	Kid Builders Play Structure (Little Tikes 93)	37,645.57	2,051.62
11 68 13 00-2846	EA	Kid Builders Play Structure (Little Tikes 94)	48,138.06	2,623.93
11 68 13 00-2847	EA	Kid Builders Play Structure (Little Tikes 95)	41,954.49	2,281.53
11 68 13 00-2848	EA	Kid Builders Play Structure (Little Tikes 96)	47,465.72	2,585.99
11 68 13 00-2849	EA	Kid Builders Play Structure (Little Tikes 97)	94,939.91	5,171.98
11 68 13 00-2850	EA	Kid Builders Play Structure (Little Tikes 98)	105,602.18	5,744.58
11 68 13 00-2851	EA	Kid Builders Play Structure (Little Tikes 99)	83,921.94	4,569.52

11 68 13 00-2852 Playground Equipment (Miracle Recreation) *(11 68 13)*

Note: Excludes excavation and concrete.

11 68 13 00-2853	EA	Playground Equipment (Miracle Recreation CD213388X)	135,597.45	11,463.52
11 68 13 00-2854	EA	Playground Equipment (Miracle Recreation CD213390X)	61,262.08	5,179.16
11 68 13 00-2855	EA	Playground Equipment (Miracle Recreation CD213392X)	62,169.64	5,255.93
11 68 13 00-2856	EA	Playground Equipment (Miracle Recreation CD213413X)	91,040.92	7,696.70
11 68 13 00-2857	EA	Playground Equipment (Miracle Recreation CD213419X)	53,626.42	4,533.61
11 68 13 00-2858	EA	Playground Equipment (Miracle Recreation CD213419X)	61,141.58	5,169.00
11 68 13 00-2859	EA	Playground Equipment (Miracle Recreation CD213756X)	48,534.69	4,103.17
11 68 13 00-2860	EA	Playground Equipment (Miracle Recreation CD213760X)	90,823.25	7,678.27
11 68 13 00-2861	EA	Playground Equipment (Miracle Recreation CD213766X)	84,392.52	7,134.65
11 68 13 00-2862	EA	Playground Equipment (Miracle Recreation CD213809X)	67,791.93	5,731.16
11 68 13 00-2863	EA	Playground Equipment (Miracle Recreation CD213811X)	59,860.87	5,060.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-2864		Construction Fitness Equipment (Play-Tech) *(11 68 13)*		
		Note: Includes installation of equipment. Excludes excavation, concrete, foundation, and shipping.		
11 68 13 00-2865	EA	Sky-Runner, Multiple System (Play-Tech UL-FIT001)	17,839.83	1,273.02
11 68 13 00-2866	EA	Body Sit Up , Multiple System (Play-Tech UL-FIT002)	14,140.86	954.76
11 68 13 00-2867	EA	Stretching Wheel, Multiple System (Play-Tech UL-FIT003)	14,102.33	954.76
11 68 13 00-2868	EA	Body Twister, Multiple System (Play-Tech UL-FIT004)	13,794.08	954.76
11 68 13 00-2869	EA	Warm Up Wheel, Multiple System (Play-Tech UL-FIT005)	12,561.09	954.76
11 68 13 00-2870	EA	Cycle-Runner, Multiple System (Play-Tech UL-FIT006)	17,993.95	1,273.02
11 68 13 00-2871	EA	Relaxation Zone, Multiple System (Play-Tech UL-FIT007)	12,291.37	954.76
11 68 13 00-2872	EA	Parallel Bars, Multiple System (Play-Tech UL-FIT008)	9,671.27	636.52
11 68 13 00-2873	EA	Hanging Turn, Multiple System (Play-Tech UL-FIT009)	9,054.77	636.52
11 68 13 00-2874	EA	Chin-Up Exercises, Multiple System (Play-Tech UL-FIT010)	7,975.91	636.52
11 68 13 00-2875	EA	GO! Bike, Multiple System (Play-Tech UL-FIT011-1)	16,533.63	954.76
11 68 13 00-2876	EA	Sky-Runner, Double System (Play-Tech UL-FIT201)	11,559.28	954.76
11 68 13 00-2877	EA	Body Sit up , Double System (Play-Tech UL-FIT202)	9,093.30	636.52
11 68 13 00-2878	EA	Stretching Wheel, Double System (Play-Tech UL-FIT203)	9,053.17	636.52
11 68 13 00-2879	EA	Body Twister, Double System (Play-Tech UL-FIT204)	8,862.12	636.52
11 68 13 00-2880	EA	Warm-up Wheel, Double System (Play-Tech UL-FIT205)	8,052.97	636.52
11 68 13 00-2881	EA	Cycle-Runner, Double System (Play-Tech UL-FIT206)	11,636.35	954.76
11 68 13 00-2882	EA	Relaxation Zone, Double System (Play-Tech UL-FIT207)	7,821.78	636.52
11 68 13 00-2883	EA	Parallel Bars (Play-Tech UL-FIT208)	6,087.89	636.52
11 68 13 00-2884	EA	Hanging Turn, Double System (Play-Tech UL-FIT209)	5,702.58	636.52
11 68 13 00-2885	EA	Chin-Up Exercises, Double System (Play-Tech UL-FIT210)	4,970.49	636.52
11 68 13 00-2886	EA	GO! Bike, Double System (Play-Tech UL-FIT011-1)	10,673.07	954.76
11 68 13 00-2887	EA	Sky-Runner, Single System (Play-Tech UL-FIT101)	5,471.39	636.52
11 68 13 00-2888	EA	Body Sit Up , Single System (Play-Tech UL-FIT102)	4,122.81	636.52
11 68 13 00-2889	EA	Stretching Wheel, Single System (Play-Tech UL-FIT103)	4,700.78	636.52
11 68 13 00-2890	EA	Body Twister, Single System (Play-Tech UL-FIT104)	5,317.27	636.52
11 68 13 00-2891	EA	Warm-up Wheel, Single System (Play-Tech UL-FIT105)	4,007.22	636.52
11 68 13 00-2892	EA	Cycle-Runner, Single System (Play-Tech UL-FIT106)	5,664.05	636.52
11 68 13 00-2893	EA	Relaxation Zone, Single System (Play-Tech UL-FIT107)	4,122.81	636.52
11 68 13 00-2894	EA	Parallel Bars, Single System (Play-Tech UL-FIT108)	3,853.09	636.52
11 68 13 00-2895	EA	Hanging Turn, Single System (Play-Tech UL-FIT109)	4,084.28	636.52
11 68 13 00-2896	EA	Chin-Up Exercises, Single System (Play-Tech UL-FIT110)	3,198.07	636.52
11 68 13 00-2897	EA	GO! Bike, Single System (Play-Tech UL-FIT111-1)	4,970.49	636.52
11 68 13 00-2898	EA	Chin-Up, Single System (Play-Tech UL-SN10-01)	3,255.86	636.52
11 68 13 00-2899	EA	Jump Touch, Single System (Play-Tech UL-SN10-02)	2,631.65	636.52
11 68 13 00-2900	EA	Hand Walk, Single System (Play-Tech UL-SN10-03)	3,629.62	636.52
11 68 13 00-2901	EA	Log Jump, Single System (Play-Tech UL-SN10-04)	2,177.00	636.52
11 68 13 00-2902	EA	Up Down, Single System (Play-Tech UL-SN10-05)	5,895.23	636.52
11 68 13 00-2903	EA	Push Up, Single System (Play-Tech UL-SN10-06)	1,949.67	636.52
11 68 13 00-2904	EA	Horizontal Ladder, Single System (Play-Tech UL-SN10-07)	5,895.23	636.52
11 68 13 00-2905	EA	Balance Beam, Single System (Play-Tech UL-SN10-08)	2,084.53	636.52
11 68 13 00-2906	EA	Hip Rotation, Single System (Play-Tech UL-SN10-09)	4,989.76	636.52
11 68 13 00-2907	EA	Body Curly, Single System (Play-Tech UL-SN10-10)	9,975.66	954.76
11 68 13 00-2908	EA	STEP, Single System (Play-Tech U2-PWR001)	8,091.50	954.76
11 68 13 00-2909	EA	TWIST, Single System (Play-Tech U2-PWR002)	7,552.06	954.76
11 68 13 00-2910	EA	RUN, Single System (Play-Tech U2-PWR003)	14,834.41	1,273.02
11 68 13 00-2911	EA	Leg Extension, Single System (Play-Tech U2-PWR004)	7,089.69	954.76
11 68 13 00-2912	EA	Bike, Single System (Play-Tech U2-PWR005)	7,513.53	954.76
11 68 13 00-2913	EA	Press, Single System (Play-Tech U2-PWR006)	6,511.73	954.76
11 68 13 00-2914	EA	Row, Single System (Play-Tech U2-PWR007)	7,282.35	954.76
11 68 13 00-2915	EA	Push Up, Single System (Play-Tech U2-PWR011)	4,199.87	636.52
11 68 13 00-2916	EA	Balance Steps, Single System (Play-Tech U2-PWR012)	4,970.49	636.52
11 68 13 00-2917	EA	Body Sit-up, Single System (Play-Tech U2-PWR013)	5,933.77	636.52
11 68 13 00-2918	EA	Introduction Board, Single System (Play-Tech UL-SP01)	589.54	318.25
11 68 13 00-2919	EA	Introduction Board, Single System (Play-Tech UL-SP02)	1,271.52	318.25
11 68 13 00-2920	EA	Introduction Board, Single System (Play-Tech UL-SP03)	1,895.73	318.25
11 68 13 00-2921	EA	Introduction Board, Single System (Play-Tech UL-SP04)	2,130.75	318.25
11 68 13 00-2922	EA	Moon-Runner (Play-Tech Maxbello-FIT101A)	2,928.35	318.25
11 68 13 00-2923	EA	Body Sit-Up (Play-Tech Maxbello-FIT102A)	1,988.20	318.25
11 68 13 00-2924	EA	Muscle Warm Up (Play-Tech Maxbello-FIT103A)	1,783.97	318.25
11 68 13 00-2925	EA	Body Twister (Play-Tech Maxbello-FIT104A)	1,907.28	318.25
11 68 13 00-2926	EA	Shoulder Twist Wheel (Play-Tech Maxbello-FIT105A)	2,150.02	318.25
11 68 13 00-2927	EA	Cross Trainer And Go Bike (Play-Tech Maxbello-FIT106A)	3,749.05	636.52
11 68 13 00-2928	EA	Back And Waste Massager (Play-Tech Maxbello-FIT107A)	2,315.71	318.25
11 68 13 00-2929	EA	Parallel Bars (Play-Tech Maxbello-FIT108A)	1,656.83	318.25
11 68 13 00-2930	EA	Power Push (Play-Tech Maxbello-FIT109A)	2,966.86	318.25
11 68 13 00-2931	EA	Pull-Down Challenger (Play-Tech Maxbello-FIT110A)	2,658.64	318.25
11 68 13 00-2932	EA	Go Bike (Play-Tech Maxbello-FIT111A)	2,554.59	318.25
11 68 13 00-2933	EA	Leg Push (Play-Tech Maxbello-FIT112A)	3,036.23	318.25
11 68 13 00-2934	EA	Waist Trainer (Play-Tech Maxbello-FIT113A)	2,419.73	318.25
11 68 13 00-2935	EA	Rower (Play-Tech Maxbello-FIT114A)	2,701.02	318.25

11 68 16 Play Structures *(11 68)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0001		**Playground Shade Structures** *(11 68 16)* Note: Shade Structures, Inc. dba USA Shade & Fabric Structures, exclude custom engineering, architect fees, site survey, temporary fencing, logos, post pads, special equipment (e.g. cranes for limited site access, hydro-excavation for high soil water table), soil removal from site, core drilling for concrete slab on grade, cutting of pavers or specialty finished surfaces including removal of tiles, alternate footing configuration due to site specific geotechnical report requirements, underground utility scan, moving or re-routing of underground utilities, and hard rock subsurface conditions.		
11 68 16 00-0002		**Single Ridge** *(11 68 16 00-0001)* Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0003	EA	8' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,089.27	
11 68 16 00-0004	EA	10' x 10' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,140.86	
11 68 16 00-0005	EA	9' x 13' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	26,183.22	
11 68 16 00-0006	EA	10' x 12' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	27,624.86	
11 68 16 00-0007	EA	11' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	27,667.21	
11 68 16 00-0008	EA	10' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	27,846.71	
11 68 16 00-0009	EA	12' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	29,778.64	
11 68 16 00-0010	EA	10' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	30,121.60	
11 68 16 00-0011	EA	10' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	30,798.57	
11 68 16 00-0012	EA	14' x 17' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,717.05	
11 68 16 00-0013	EA	14' x 17' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,478.11	
11 68 16 00-0014	EA	12' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,659.34	
11 68 16 00-0015	EA	12' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,197.10	
11 68 16 00-0016	EA	15' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,659.34	
11 68 16 00-0017	EA	15' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,325.72	
11 68 16 00-0018	EA	17' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	34,197.10	
11 68 16 00-0019	EA	17' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	36,265.01	
11 68 16 00-0020	EA	18' x 18' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,246.34	
11 68 16 00-0021	EA	18' x 18' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,386.42	
11 68 16 00-0022	EA	18' x 19' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,450.10	
11 68 16 00-0023	EA	18' x 19' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	32,978.12	
11 68 16 00-0024	EA	18' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	31,765.04	
11 68 16 00-0025	EA	18' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	33,494.22	
11 68 16 00-0026	EA	20' x 20' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	33,072.34	
11 68 16 00-0027	EA	20' x 20' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	34,542.18	
11 68 16 00-0028	EA	20' x 21' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0029	EA	20' x 21' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	43,989.92	
11 68 16 00-0030	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	40,520.47	
11 68 16 00-0031	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	44,630.38	
11 68 16 00-0032	EA	18' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0033	EA	18' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	40,644.84	
11 68 16 00-0034	EA	16' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,492.06	
11 68 16 00-0035	EA	16' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	43,921.13	
11 68 16 00-0036	EA	19' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0037	EA	19' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	43,921.13	
11 68 16 00-0038	EA	20' x 23' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0039	EA	20' x 23' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	43,921.13	
11 68 16 00-0040	EA	20' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0041	EA	20' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	43,989.92	
11 68 16 00-0042	EA	20' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0043	EA	20' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	43,989.92	
11 68 16 00-0044	EA	20' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	39,279.83	
11 68 16 00-0045	EA	20' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	44,141.84	
11 68 16 00-0046	EA	21' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,071.74	
11 68 16 00-0047	EA	21' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	57,776.73	
11 68 16 00-0048	EA	24' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	52,736.87	
11 68 16 00-0049	EA	24' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,316.64	
11 68 16 00-0050	EA	23' x 28' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,071.74	
11 68 16 00-0051	EA	23' x 28' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,807.28	
11 68 16 00-0052	EA	23' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	52,736.87	
11 68 16 00-0053	EA	23' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,316.64	
11 68 16 00-0054	EA	25' x 25' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	53,148.15	
11 68 16 00-0055	EA	25' x 25' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	55,931.65	
11 68 16 00-0056	EA	25' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	54,631.17	
11 68 16 00-0057	EA	25' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	56,422.32	
11 68 16 00-0058	EA	26' x 27' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	56,917.67	
11 68 16 00-0059	EA	26' x 27' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	58,623.07	
11 68 16 00-0060	EA	29' x 29' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	56,957.95	
11 68 16 00-0061	EA	29' x 29' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	58,623.07	
11 68 16 00-0062	EA	30' x 30' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	57,324.99	
11 68 16 00-0063	EA	30' x 30' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	59,064.48	
11 68 16 00-0064	EA	19' x 36' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	66,037.27	
11 68 16 00-0065	EA	19' x 36' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	71,177.72	
11 68 16 00-0066	EA	18' x 33' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	66,037.27	
11 68 16 00-0067	EA	18' x 33' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	71,177.72	
11 68 16 00-0068	EA	17' x 32' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	66,037.27	
11 68 16 00-0069	EA	17' x 32' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	71,177.72	
11 68 16 00-0070	EA	20' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	66,037.27	
11 68 16 00-0071	EA	20' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	71,177.72	
11 68 16 00-0072	EA	21' x 39' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	68,702.78	
11 68 16 00-0073	EA	21' x 39' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	77,295.70	
11 68 16 00-0074	EA	24' x 37' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	68,702.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0075	EA	24' x 37' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	77,295.70	
11 68 16 00-0076	EA	27' x 38' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	68,702.78	
11 68 16 00-0077	EA	27' x 38' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	77,295.70	
11 68 16 00-0078	EA	24' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	68,610.68	
11 68 16 00-0079	EA	24' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	76,959.09	
11 68 16 00-0080	EA	27' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	68,912.88	
11 68 16 00-0081	EA	27' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	77,432.77	
11 68 16 00-0082	EA	30' x 40' Single Ridge Shade Structure, 10' Opening Height, 4 Posts	67,145.58	
11 68 16 00-0083	EA	30' x 40' Single Ridge Shade Structure, 12' Opening Height, 4 Posts	77,432.77	
11 68 16 00-0084		**Double Ridge** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0085	EA	20' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	63,555.07	
11 68 16 00-0086	EA	20' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	65,841.12	
11 68 16 00-0087	EA	20' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	91,389.85	
11 68 16 00-0088	EA	20' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	95,217.08	
11 68 16 00-0089	EA	26' x 48' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	95,933.65	
11 68 16 00-0090	EA	25' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	93,442.70	
11 68 16 00-0091	EA	25' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	95,933.65	
11 68 16 00-0092	EA	25' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	93,442.70	
11 68 16 00-0093	EA	25' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	95,933.65	
11 68 16 00-0094	EA	27' x 38' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	67,436.82	
11 68 16 00-0095	EA	27' x 38' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	74,316.18	
11 68 16 00-0096	EA	30' x 40' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	67,436.82	
11 68 16 00-0097	EA	30' x 40' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	74,316.18	
11 68 16 00-0098	EA	26' x 47' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	94,011.57	
11 68 16 00-0099	EA	26' x 47' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	96,562.62	
11 68 16 00-0100	EA	30' x 50' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	94,011.57	
11 68 16 00-0101	EA	30' x 50' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	96,562.62	
11 68 16 00-0102	EA	28' x 53' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	101,461.91	
11 68 16 00-0103	EA	28' x 53' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	105,212.88	
11 68 16 00-0104	EA	29' x 58' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	99,613.95	
11 68 16 00-0105	EA	29' x 58' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	105,212.88	
11 68 16 00-0106	EA	30' x 60' Double Ridge Shade Structure, 10' Opening Height, 6 Posts	99,613.95	
11 68 16 00-0107	EA	30' x 60' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	105,212.88	
11 68 16 00-0108	EA	27' x 74' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	146,585.86	
11 68 16 00-0109	EA	28' x 59' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	105,212.88	
11 68 16 00-0110	EA	20' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	150,631.46	
11 68 16 00-0111	EA	30' x 80' Double Ridge Shade Structure, 12' Opening Height, 6 Posts	153,858.84	
11 68 16 00-0112		**Interconnected Quad Lineal Ridge** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0113	EA	30' x 160' Quad-Lineal Ridge Shade Structure, 12' Opening Height, 10 Posts	285,942.39	
11 68 16 00-0114		**Quad Ridge** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0115	EA	36' x 36' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	90,258.49	
11 68 16 00-0116	EA	34' x 39' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	99,124.22	
11 68 16 00-0117	EA	34' x 39' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	101,500.03	
11 68 16 00-0118	EA	40' x 40' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	106,778.14	
11 68 16 00-0119	EA	40' x 40' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	112,502.80	
11 68 16 00-0120	EA	36' x 54' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	117,650.14	
11 68 16 00-0121	EA	36' x 54' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	126,282.70	
11 68 16 00-0122	EA	38' x 55' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	112,052.97	
11 68 16 00-0123	EA	38' x 55' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	126,282.70	
11 68 16 00-0124	EA	40' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	117,650.14	
11 68 16 00-0125	EA	40' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	126,282.70	
11 68 16 00-0126	EA	40' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	127,491.08	
11 68 16 00-0127	EA	40' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	136,209.94	
11 68 16 00-0128	EA	50' x 50' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	173,639.73	
11 68 16 00-0129	EA	50' x 50' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	180,452.66	
11 68 16 00-0130	EA	50' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	179,612.45	
11 68 16 00-0131	EA	50' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	174,491.64	
11 68 16 00-0132	EA	56' x 59' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	184,331.63	
11 68 16 00-0133	EA	56' x 59' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	191,888.02	
11 68 16 00-0134	EA	60' x 60' Quad Ridge Shade Structure, 10' Opening Height, 9 Posts	185,054.39	
11 68 16 00-0135	EA	60' x 60' Quad Ridge Shade Structure, 12' Opening Height, 9 Posts	193,024.90	
11 68 16 00-0136		**Peak-Roof Triangle** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0137	EA	30' Peak-Roof Triangle Shade Structure, 12' Opening Height, 3 Posts	49,430.30	
11 68 16 00-0138		**Peak-Roof Hexagon** *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0139	EA	38' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	86,826.22	
11 68 16 00-0140	EA	40' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 6 Posts	90,517.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 16 00-0141	EA	50' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	150,989.06	
11 68 16 00-0142	EA	52' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	156,276.97	
11 68 16 00-0143	EA	55' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	160,175.69	
11 68 16 00-0144	EA	60' Peak-Roof Hexagon Shade Structure, 12' Opening Height, 7 Posts	164,991.61	
11 68 16 00-0145		Free-Form Tri-Sail *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0146	EA	18' Single Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 3 Posts	35,004.53	
11 68 16 00-0147	EA	18' Double Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 4 Posts	46,614.30	
11 68 16 00-0148	EA	18' Triple Free-Form Tri-Sail Shade Structure, 10' And 14' Opening Height, 5 Posts	72,395.42	
11 68 16 00-0149	EA	30' Double Free-Form Tri-Sail Shade Structure, 14' Opening Height, 5 Posts	103,221.00	
11 68 16 00-0150		Free-Form Hypar *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0151	EA	20' x 20' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	51,847.13	
11 68 16 00-0152	EA	20' x 40' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	65,075.86	
11 68 16 00-0153	EA	30' x 30' Single 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 4 Posts	71,159.46	
11 68 16 00-0154	EA	30' x 60' Double 4-Point Sail Shade Structure, Free-Form Hypar, 14' Opening Height, 6 Posts	86,648.85	
11 68 16 00-0155		Mariners *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0156	EA	30' x 30' Single Mariner Shade Structure, 10' Opening Height, 4 Posts	62,712.78	
11 68 16 00-0157	EA	30' x 30' Single Mariner Shade Structure, 12' Opening Height, 4 Posts	68,997.83	
11 68 16 00-0158	EA	30' x 60' Mariner Peak Joined Shade Structure, 10' Opening Height, 6 Posts	91,808.93	
11 68 16 00-0159	EA	30' x 60' Mariner Peak Joined Shade Structure, 12' Opening Height, 6 Posts	97,792.22	
11 68 16 00-0160	EA	60' x 60' Mariner Peak Quad Shade Structure, 10' Opening Height, 9 Posts	141,290.83	
11 68 16 00-0161	EA	60' x 60' Mariner Peak Quad Shade Structure, 12' Opening Height, 9 Posts	145,313.12	
11 68 16 00-0162		Single Post Pyramid *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0163	EA	14' x 14' Single Post Pyramid Shade Structure, 10' Opening Height, 1 Post	21,623.82	
11 68 16 00-0164	EA	14' x 14' Single Post Pyramid Shade Structure, 12' Opening Height, 1 Post	22,211.77	
11 68 16 00-0165		Tri-Truss Cantilevers *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0166	EA	20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 10' Opening Height, 2 Posts	77,788.67	
11 68 16 00-0167	EA	20' x 30' Tri-Truss Rigid Single Wide Shade Structure, 12' Opening Height, 2 Posts	82,287.99	
11 68 16 00-0168	EA	30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 10' Opening Height, 3 Posts	116,123.00	
11 68 16 00-0169	EA	30' x 40' Tri-Truss Rigid Single Wide Joined Shade Structure, 12' Opening Height, 3 Posts	118,869.13	
11 68 16 00-0170		Full Cantilevers *(11 68 16 00-0001)*		
		Note: Outdoor fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0171	EA	20' x 30' Full Cantilever Rigid Single Shade Structure, 10' Opening Height, 2 Posts	69,504.52	
11 68 16 00-0172	EA	20' x 60' Full Cantilever Rigid Joined Shade Structure, 12' Opening Height, 3 Posts	104,087.87	
11 68 16 00-0173		Hip Roof *(11 68 16 00-0001)*		
		Note: Outdoor weatherproof fabric structure, specified fabric high-density polyethylene (HDPE) Colourshade®.		
11 68 16 00-0174	EA	20' x 30' Single Rigid Hip Roof Shade Structure, 20 vSnowload, 10' Opening Height, 4 Posts	47,407.87	
11 68 16 00-0175	EA	20' x 30' Single Rigid Hip Roof Shade Structure, 20 Lb. Snowload, 12' Opening Height, 4 Posts	53,106.36	
11 68 16 00-0176		Hip Roof *(11 68 16 00-0001)*		
		Note: Outdoor weatherproof fabric structure (Specified Fabric PVC).		
11 68 16 00-0177	EA	30' x 30' Weather Protector Hip Roof Shade Structure, 10' Opening Height, 4 Posts	101,620.21	
11 68 16 00-0178	EA	30' x 30' Weather Protector Hip Roof Shade Structure, 12' Opening Height, 4 Posts	109,421.74	
11 68 16 00-0179	EA	30' x 60' Weather Protector Joined Hip Roof Shade Structure, 10' Opening Height, 6 Posts	191,538.79	
11 68 16 00-0180	EA	30' x 60' Weather Protector Joined Hip Roof Shade Structure, 12' Opening Height, 6 Posts	202,480.71	
11 68 16 00-0181		Additional Items *(11 68 16 00-0001)*		
11 68 16 00-0182	EA	Concrete Cutting for Playground Shade Structure, Per Core	251.71	
11 68 16 00-0183	HR	Overtime Wage For Playground Shade Structure, Per Man Hour (First Shift)	107.00	
11 68 16 00-0184	HR	Overtime Wage Or "Late Start" Shift For Playground Shade Structure, Per Man Hour (Second Shift)	131.00	
11 68 16 00-0185	EA	Intumescent Paint Per Column	4,274.35	
11 68 23		**Exterior Court Athletic Equipment** *(11 68)*		
11 68 23 13		**Exterior Basketball Equipment** *(11 68 23)*		
11 68 23 13-0001		Basketball Components *(11 68 23 13)*		
11 68 23 13-0002	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	35.17	9.63
11 68 23 13-0003	EA	Chain Basketball Net (Porter Athletic 00161-000)	63.22	9.63
11 68 23 13-0004	EA	Heavy-Duty Goal Ring (Porter Athletic 00235-000)	145.00	48.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0005	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	264.52	21.67
11 68 23 13-0006	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,538.05	40.93
11 68 23 13-0007	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,977.67	40.93
11 68 23 13-0008	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,006.36	36.12
11 68 23 13-0009	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,101.22	36.12

11 68 23 13-0010 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0011	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	2,636.68	296.04
11 68 23 13-0012	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,662.89	325.64
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0013	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	3,022.50	296.04
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0014	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,662.89	325.64
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0015	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	8,348.66	478.87
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,202.42	163.77
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,529.76	163.77
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,584.32	163.77
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,678.67	163.77
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	2,014.60	163.77
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	299.06	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	339.84	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	652.26	161.85
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	717.36	161.85
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,558.10	249.03
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	84.13	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	5,431.49	433.42
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	8,019.92	694.93
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	9,578.85	833.92

11 68 33 23 Soccer and Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	5,162.00	289.02
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	6,201.91	433.42

11 68 33 33 Baseball Field Equipment *(11 68 33)*

11 68 33 33-0001 Bases *(11 68 33 33)*

11 68 33 33-0002	SET	Bases For Baseball Or Softball	628.46	

11 70 Healthcare Equipment *(11)*

11 71 Medical Sterilizing Equipment *(11 70)*

11 71 00 00-0001 Steam Sterilizers *(11 71)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 71 00 00-0002	EA	6 Full-Size Cassette Capacity, 120 Instruments In 40 Minutes Start-To-Dry, Automated Instrument Washing Sterilizer (SciCan HYDRIM® C61w G4)	10,093.73	127.84
		Note: Water consumption per cycle = Regular Wash + Dry: 26 mins + 10 mins, Heavy-Duty Wash + Dry: 30 mins + 10 mins, Rinse and Hold: 5 mins.		
11 71 00 00-0003	EA	23.6" Length x 16.1" Width x 7.5" Height, Cycle Time 9 Minutes Unwrapped, 17.5 Minutes Wrapped, 3.5" Touchscreen, Fresh Steam Distilled Water, Autoclave Sterilizer (SciCan STATIM® 5000 G4)	11,061.66	18.87
11 71 00 00-0004	EA	19.5" Length x 16.25" Width x 6" Height, Cycle Time 6 Minutes Unwrapped, 14 Minutes Wrapped, Fresh Clean Distilled Water For Each Cycle, Autoclave Sterilizer (SciCan STATIM® 2000 G4)	9,154.75	18.87
11 71 00 00-0005	EA	Ultra-fast 35 Minute Cycle Start To Dry, Autoclave Sterilizer (SciCan Bravo W#AJP00B0000)	11,714.45	18.87
11 71 00 00-0006	EA	Ultra-fast 28 Minute Cycle Start To Dry, Tabletop Autoclave Sterilizer (SciCan Bravo MA320011)	14,196.93	18.87
11 71 00 00-0007		Steam Generator *(11 71)*		
11 71 00 00-0008	EA	Steam Generator, Electric 10 KW To 180 KW	153,741.93	1,299.41

11 72 Examination and Treatment Equipment *(11 70)*

11 72 13 Examination Equipment *(11 72)*

11 72 13 00-0001		Wall Mounted Medical Furnishings *(11 72 13)*		
11 72 13 00-0002	EA	20" Wide, 15" High, 3" Deep, Aluminum Wall Mounted Folding Medical Desk	530.01	53.54
11 72 13 00-0003	EA	20" Wide, 15" High, 3" Deep, Painted Steel Wall Mounted Folding Medical Desk	553.02	53.54
11 72 13 00-0004	EA	20" Wide, 15" High, 3" Deep, Stainless Steel Wall Mounted Folding Medical Desk	621.96	53.54
11 72 13 00-0005	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Double Glove Box Holder	246.84	53.54
11 72 13 00-0006	EA	10" Wide, 11" High, 5-3/4" Deep, Stainless Steel Wall Mounted Quad Glove Box Holder	294.65	53.54
11 72 13 00-0007	EA	13-1/2" Wide, 10" High, 3-1/2" Deep, Locking Stainless Steel Wall Mounted Specimen Cup Retrieval Box	695.51	53.54
11 72 13 00-0008	EA	12" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Bedpan Storage Rack	217.40	53.54
11 72 13 00-0009	EA	28" Wide, 12" High, 5-1/4" Deep, Stainless Steel Wall Mounted Double Bedpan Storage Rack	287.07	57.12
11 72 13 00-0010	EA	12" Wide, 24" High, 5-1/4" Deep, Stainless Steel Wall Mounted Vertical Double Bedpan Storage Rack	270.52	57.12
11 72 13 00-0011	EA	12-1/4" Wide, 8" High, 4-3/4" Deep, Acrylic Infection Prevention Station	226.62	53.54
		Note: Space for sanitizer, disposable masks, tissues		
11 72 13 00-0012	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable Two Sides Heavy-Duty Stainless Steel Narcotics Cabinet	988.65	71.39
11 72 13 00-0013	EA	11-1/2" Wide, 12" High, 6" Deep, Heavy-Duty Stainless Steel Narcotics Cabinet	988.65	71.39
11 72 13 00-0014	EA	11-1/2" Wide, 12" High, 6" Deep, Lockable One Side, Heavy-Duty Stainless Steel Pass-Thru Narcotics Cabinet	988.65	71.39
11 72 13 00-0015	EA	15-1/2" Wide, 6" High, 6" Deep, Acrylic Suture Rack - Single Tier - 6 Box Capacity	198.25	35.70
11 72 13 00-0016	EA	15-1/2" Wide, 12-1/4" High, 6" Deep, Acrylic Suture Rack - Single Tier - 12 Box Capacity	244.02	39.27
11 72 13 00-0017	EA	15-1/2" Wide, 18" High, 6" Deep, Acrylic Suture Rack - Single Tier - 18 Box Capacity	343.09	42.84
11 72 13 00-0018		Diagnostic Wall Board *(11 72 13)*		
11 72 13 00-0019	EA	Diagnostic Wall Board With Macroview Otoscope, Coaxial Ophthalmoscope And Wall Transformer (Welch Allyn 77792-MNOBP)	2,041.90	71.39
11 72 13 00-0020	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP And Wall Transformer (Welch Allyn 77792-M)	2,291.99	71.39
11 72 13 00-0021	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry And Wall Transformer (Welch Allyn 77791-MX)	2,824.75	71.39
11 72 13 00-0022	EA	Diagnostic Wall Board with Macroview Otoscope, Coaxial Ophthalmoscope, Aneroid BP, Thermometry, Throat Illuminator And Wall Transformer (Welch Allyn 77795-MX)	3,056.30	71.39
11 72 13 00-0023		Sharps Containers *(11 72 13)*		
11 72 13 00-0024	EA	3 Quart, Wall Mounted, Disposable Sharps Containers	296.27	
		Note: The rotating cylinder top permits convenient, one-handed disposal of sharps. The rotating lid automatically drops needles and syringes in a horizontal position to maximize capacity. Lid remains closed when not in use. A built-in needle key permits the safe removal of needles when necessary.		
11 72 13 00-0025	EA	2 Gallon, Wall Mounted, Disposable Sharps Containers	382.60	
		Note: Provides open access for disposal of a variety of shapes and sizes of sharps, (i.e. needles and syringes, vials, test tubes, and glass slides). The lid features a needle key for the safe removal of needles.		
11 72 13 00-0026	EA	3 Gallon, Wall Mounted, Disposable Sharps Containers	338.48	
		Note: Has a dual-purpose lid, which allows the container to remain open for code situations or in a free-fall position for normal, one-handed operation. Lid features a needle key for safe removal of needles when necessary.		
11 72 13 00-0027	EA	1 Quart, Wall Mounted, Disposable Phlebotomy Container	543.79	
		Note: Has an opening to safely place the blood tube holder with needle while attending a patient Once full, the lids can be locked, & the container is ready for safe disposal One-quart capacity, is puncture resistant, fully disposable, may be autoclaved or incinerated for final disposal.		
11 72 13 00-0028	EA	5 Quart, Wall Mounted, Locking Sharps Disposal Cabinet	161.38	35.70
11 72 13 00-0029	EA	5 Quart, Wall Mounted, Combination Sharps Disposal And Glove Box Container	149.21	35.70
11 72 13 00-0030		Exam Room Supplies *(11 72 13)*		
11 72 13 00-0031	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 12", Wall Mounted (Medline MDS193094)	54.41	
11 72 13 00-0032	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 8", Wall Mounted (Medline MDS192094B)	55.64	
11 72 13 00-0033	EA	Wire Glove Dispenser Box Holders, 3-1/2" x 10.4" x 4", Wall Mounted (Medline MDS191094)	43.99	
11 72 13 00-0034		Accessories *(11 72 13)*		
11 72 13 00-0035		Miscellaneous *(11 72 13 00-0034)*		
11 72 13 00-0036	EA	Medical Air Compressor, Medical/Hospital Gas Systems (Allied Healthcare AHC-TE20)	5,571.78	
11 72 13 00-0037	EA	Air Flow Meter, Medical/Hospital Gas Systems (Allied Healthcare AHC-TB20)	227.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 13 00-0038		**Medical Warming Cabinets** *(11 72 13)*		
11 72 13 00-0039	EA	9.02 CF, Warming Cabinet With Single Glass Door (Blickman 7922TG)	9,710.19	63.97
11 72 13 00-0040	EA	22.02 CF, Warming Cabinet With Single Stainless Steel Door (Blickman 791TS)	11,813.86	63.97
11 72 13 00-0041		**Surgical Tables** *(11 72 13)*		
11 72 13 00-0042	EA	79" Length x 20" Width, 1,000 Lb. Weight Capacity, Self-leveling, Four Point Brake System, Manually-operated Head Section, General Surgical Table (Skytron 3500HD)	25,080.52	127.84
11 72 13 00-0043	EA	81.6" Length x 20" Width, 1,200 Lb. Weight Capacity, 600 Lb Full Articulation, Reverse Orientation, General Surgical Table (Steris Amsco 5085 5085)	63,696.80	127.84
11 72 13 00-0044	EA	87.165" Length x 27.5" Width, 400 Lb. Anatomic Position Weight Capacity, 300 Lb Reverse Orientation, OrthoVision Surgical Table (Steris Amsco OrthoVision)	23,241.66	127.84
11 72 13 00-0045	EA	79" Length x 19.75" Width, 1,000 Lb. Articulate Capacity, 1,200 Lb Lift Capacity, AC Or Battery Power Operation, General Surgical Table (Skytron 6701)	46,218.34	127.84
11 72 13 00-0046		**Examination Tables** *(11 72 13)*		
11 72 13 00-0047	EA	58" Length x 28-1/2" Width x 31" Height, 400 Lb., Plywood And Laminate Frame, Family Practice Exam Table (Clinton 8870)	2,038.04	95.90
11 72 13 00-0048	EA	72" Length x 24" Width x 30" Height, 300 Lb. Weight Capacity, 3-Section, Drawer And Sliding Doors, Wooden Exam Table With Enclosed Cabinet (FEI 15-1073)	1,982.87	95.90
11 72 13 00-0049	EA	110 Volt, 76" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest And Drop Section (Clinton 80330)	4,180.32	95.90
11 72 13 00-0050	EA	72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Table With Adjustable Backrest (Clinton 80200)	3,821.74	95.90
11 72 13 00-0051	EA	72" Length x 27" Width x 18-35" Height, 450 Lb. Weight Capacity, Open Base Power Imaging Table With Drop Window (Clinton 85100)	5,320.42	95.90
11 72 13 00-0052	EA	76" Length x 27" Width x 21-1/2-37-1/2" Height, 550 Lb. Weight Capacity, General Power Ultrasound Table With 3-Section Top (Clinton 80063)	8,303.07	95.90
11 72 63		**Refrigerated Heathcare Storage Equipment** *(11 72)*		
11 72 63 00-0001		**Healthcare Pharmaceutical Refrigerators** *(11 72 63)*		
11 72 63 00-0002	EA	24" Width x 24.5" Depth x 33.375" Height, 1 Degree Celsius Temperature Range, Counter Height, Pharmaceutical Refrigerator (American Bio Tech Supply PH-ABT-HC-UCBI-0404SS)	1,266.85	23.98
11 72 63 00-0003	EA	17.75" Width x 19.5" Depth x 28 7/8" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (ABS Premier PH-ABT-HC-UCFS-0204G)	1,248.84	23.98
11 72 63 00-0004	EA	17.5" Width x 19.75" Depth x 21.5" Height, 2 To 8 Degrees Celsius Temperature Range, Vaccine Undercounter, Pharmaceutical Refrigerator (Accucold ARG1PVDL2B)	1,199.21	23.98
11 72 63 00-0005	EA	17 3/4" Width x 19.5" Depth x 28 7/8" Height, 1 To 10 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (LabRepCo LHP-3-UR Futura)	1,156.97	23.98
11 72 63 00-0006	EA	17 3/4" Width x 22 3/4" Depth x 30 3/4" Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Undercounter Pharmaceutical Refrigerator (American Biotech PH-ABT-HC-UCBI-0204)	1,102.87	23.98
11 72 63 00-0007	EA	27" Width x 31 1/4" Depth x 83 1/4' Height, 31 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Upright Pharmaceutical Refrigerator (Arctic Air AGR23)	1,811.69	54.76
11 72 63 00-0008	EA	27" Width x 31 5/8" Depth x 78 1/4' Height, Negative 1 To Plus 10 Degrees Celsius Temperature Range, Glass Door, Laboratory, Pharmaceutical Refrigerator (ABS Premier ABT-HCPP-23G)	7,098.15	54.76
11 72 63 00-0009	EA	29" Width x 32 1/4" Depth x 82 1/2' Height, 33 To 40 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Avantco A-23R-G-HC)	1,714.38	54.76
11 72 63 00-0010	EA	26.8" Width x 32.7" Depth x 82.3' Height, 33 To 41 Degrees Fahrenheit Temperature Range, Glass Door, Reach-In Pharmaceutical Refrigerator (Empura E-KB27RG)	1,762.71	54.76
11 72 63 00-0011	EA	26-1/2" Width x 35-1/2" Depth x 83" Height, 25 CF, 4 Degrees Celsius, Hinged Glass Door, Laboratory Refrigerator (TemPure Scientific LP-22HG-TP)	5,480.20	109.62
11 72 63 00-0012		**Healthcare Blood Bank Refrigerators** *(11 72 63)*		
11 72 63 00-0013	EA	25 CF, 4 Degree C Hinged Glass Door, Blood Bank Refrigerator (TemPure Scientific)	9,969.43	109.62
11 72 63 00-0014	EA	50 CF, 4 Degree C Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)	14,382.83	153.45
11 72 63 00-0015	EA	78 CF, 4 Degree C Three Hinged Glass Doors, Blood Bank Refrigerator (TemPure Scientific)	18,956.73	153.45
11 72 63 00-0016	EA	4.3 CF, 2 To 8 Degrees Celsius, Blood Bank Undercounter Refrigerator With One Locking Solid Door (TemPure Scientific)	4,422.35	23.98
11 72 63 00-0017	EA	Negative 15 To Negative 25 Degrees Celsius, Blood Bank Undercounter Refrigerator (ABS Premier ABT-HC-UCBI-0420SS)	1,215.66	23.98
11 72 63 00-0018		**Healthcare Medical Freezers** *(11 72 63)*		
11 72 63 00-0019	EA	78" Height x 28.3" Width x 38.5" Depth, Negative 50 To Negative 86 Degrees Celsius Temperature Range, Medical Freezer (Hogentogler RDE40086LA)	15,322.81	27.43
11 72 63 00-0020	EA	26.75" Width x 32.75" Depth x 82.75' Height, Low To Negative 10 Degrees Fahrenheit Temperature Range, Medical Freezer (Artic Air AF23)	1,610.85	27.43
11 72 63 00-0021	EA	Negative 20 To Negative 30 Degrees Celsius, Medical Freezer (Accucold VT65)	1,352.00	23.98
11 72 63 00-0022		**Healthcare Vaccine Freezers** *(11 72 63)*		
11 72 63 00-0023	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PV)	835.24	23.98
11 72 63 00-0024	EA	17-1/2" Width x 19-3/4" Depth x 21-1/2" Height, 2 To 8 Degrees Celsius Temperature Range, Compact Vaccine Refrigeration Freezer (Accucold ARG1PVDL2B)	1,199.21	23.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 72 63 00-0025	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Upright Vaccine Refrigeration Freezer (Accucold ARG8PV)	1,187.03	27.43
11 72 63 00-0026	EA	21-5/8" Width x 21-5/8" Depth, 33 To 40 Degrees Fahrenheit Temperature Range, Upright Vaccine Refrigeration Freezer (Avantco GDC-10-HC)	929.63	27.43
11 72 63 00-0027	EA	23.38" Width x 24.5" Depth x 50' Height, 2 To 8 Degrees Celsius Temperature Range, Solid Door, Upright Vaccine Refrigeration Freezer (Accucold ARS8PV)	1,123.78	27.43
11 72 63 00-0028	EA	20.1" Width x 20.9" Depth x 25.8' Height, 2 To 8 Degrees Celsius Temperature Range, Stacked, Combination Pharmaceutical-Vaccine Refrigeration Freezer (K2 Scientific K202GDR)	874.17	23.98
11 72 63 00-0029	EA	18-1/2" Width x 20" Depth x 34' Height, 2 To 8 Degrees Celsius Temperature Range, Counter Height Pharmaceutical-Vaccine Refrigeration Freezer (Accucold ARS3PV)	826.00	23.98
11 72 63 00-0030	EA	23-3/42" Width x 24" Depth x 20-3/8' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Vaccine Refrigeration Freezer (CliniCool LHP-1-FA-PH)	2,294.47	23.98
11 72 63 00-0031	EA	23-3/4" Width x 24" Depth x 20-3/4' Height, 5 To Negative 13 Degrees Fahrenheit Temperature Range, Solid Swing Door, Vaccine Refrigeration Freezer (CliniCool LHP-2-FM-PH)	1,138.87	23.98

11 73 Patient Care Equipment *(11 70)*

11 73 23 Patient Lift *(11 73)*

11 73 23 00-0001 Ceiling Patient Lift *(11 73 23)*

11 73 23 00-0002	EA	Maxi Sky 600 Fixed 4 Function Ceiling Patient Lift Note: Maxi Sky 600 cassette with 600 pound weight capacity. Includes 2 point hanger bar, hardware (x-y 3 meter x 4.5 meter 8 anchors xy 4.5), powered raise and lower as well as powered traverse on track. Maxi sky supports clinically activated return to charge, programmable automatic return.	14,620.61	

11 73 23 00-0003 Ceiling Patient Lift System *(11 73 23)*

Note: Guldmann

11 73 23 00-0004	EA	GH2 HD AC UL Ceiling Mounted Hoist, 550 Lb. Weight Capacity, With Hand Control	14,457.53	1,228.67
11 73 23 00-0005	EA	550 Lb. Weight Capacity, Hanging Bar GH2 Standard Snap Hook	788.53	
11 73 23 00-0006	EA	550 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System	958.87	170.65
11 73 23 00-0007	EA	GH2 HD Twin Strap Ceiling Mounted Hoist, 1,000 Lb. Weight Capacity, With Hand Control	20,469.25	1,706.48
11 73 23 00-0008	EA	1,000 Lb. Weight Capacity, Hanging Bar	6,974.80	
11 73 23 00-0009	EA	1,000 Lb. Weight Capacity, Traverse Traveling Trolley Room Covering System	2,184.03	375.43
11 73 23 00-0010	LF	Aluminum Midi Rail	399.85	40.95
11 73 23 00-0011	EA	Wire For Charging Liner	151.19	
11 73 23 00-0012	LF	Charging Liner For Midi Rail	167.37	
11 73 23 00-0013	EA	End Stops	74.56	
11 73 23 00-0014	EA	Standard Ceiling Brackets	234.09	40.95
11 73 23 00-0015	EA	Charging Kit For Room-Covering System With Midi Rails	448.72	
11 73 23 00-0016	EA	Lock For Charging Liner	88.50	
11 73 23 00-0017	EA	Cover Plate For Midi Rail	8.66	
11 73 23 00-0018	EA	Rosette White	4.92	
11 73 23 00-0019	EA	Aluminum Pipe 2M Profile	223.37	
11 73 23 00-0020	EA	Repositioning Sling Gold, 3 Slings Per System	362.35	
11 73 23 00-0021	EA	Uni D M/L High Black - 550 Lb. Capacity Sling, 2 Slings Per System	199.00	
11 73 23 00-0022	EA	Uni D L/XL High Black - 550 Lb. Capacity Sling, 2 Slings Per System	199.00	
11 73 23 00-0023	EA	Disposable Limb Lifter, 2 Slings Per System	94.58	
11 73 23 00-0024	EA	Disposable Turner Sling, 1 Sling Per System	233.65	

11 78 Mortuary Equipment *(11 70)*

11 78 13 Mortuary Refrigerators *(11 78)*

11 78 13 00-0001 Healthcare Mortuary Coolers *(11 78 13)*

11 78 13 00-0002	EA	6' 8 1/2" Width x 2' 8 1/2" Depth x 5' 2" Height, One Body Economy, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1BR)	9,922.40	1,023.03
11 78 13 00-0003	EA	7'3" Depth x 3" Width x 5'2" Height, Three Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #3BX)	14,101.78	1,023.03
11 78 13 00-0004	EA	7' 3" Depth x 3' 6 3/4" Width x 6'8" Height, Four Body Oversized, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model # 4BX)	15,319.28	1,534.49
11 78 13 00-0005	EA	10' Length x 8' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #0810)	17,686.10	1,534.49
11 78 13 00-0006	EA	10' Length x 10' Width x 7' 6 1/2" Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1010)	20,436.04	1,534.49
11 78 13 00-0007	EA	10' Length x 15' Width x 7' 6 1/2' Height, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #1015)	26,412.52	3,068.98
11 78 13 00-0008	EA	20' Length x 20' Width, Walk-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #2020)	37,641.80	3,068.98
11 78 13 00-0009	EA	8' 1" Width x 7' 4" Depth x 5' Height, Triple Cot, Roll-in, Mortuary Equipment Morgue Cooler (American Mortuary Coolers & Equipment Model #TR3)	16,186.66	1,534.49

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0001		**Safety And Tie-Back Anchors** *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0055 for engineering testing and inspection.		
11 81 29 00-0002		**Roof Mounted, Safety And Tie-Back Anchors** *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	873.36	107.13
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	751.54	107.13
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	526.83	89.58
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		**Wall Mounted, Safety And Tie-Back Anchor** *(11 81 29 00-0001)* Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	617.55	107.13
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete and adhesive anchor systems.	557.53	107.13
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	462.45	89.58
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		**Safety And Tie-Back Anchor Accessories** *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor) Note: One cut sheet required per order.	468.24	
11 81 29 00-0012		**Ladder Safety And Fall Protection** *(11 81 29)*		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	310.03	19.76
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	46.74	2.88
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	58.42	7.19
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	77.90	4.79
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	97.37	5.99
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	63.87	4.49
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	596.39	11.98
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	142.64	11.86
11 81 29 00-0021		**Fall-Arrest Systems** *(11 81 29)*		
11 81 29 00-0022		**Horizontal** *(11 81 29 00-0021)*		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.	860.17	57.47
11 81 29 00-0024		**Anchor Points** *(11 81 29 00-0021)*		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post Note: Guardian CD-12 series	705.06	
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post Note: Guardian CD-18 series	821.72	
11 81 29 00-0027	EA	Bolt On Roof Anchor Note: Guardian CD-1-B series	315.80	
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud Note: Super Anchor ARS 2x8	151.71	
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud Note: Super Anchor ARS 2x12	176.56	

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001 **Electric Incinerator** *(11 82 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour	43,100.50	1,160.33
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour	88,190.02	2,320.66
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour	298,223.36	3,480.99
11 82 19 00-0005		Medical Waste Incinerator *(11 82 19)*		
11 82 19 00-0006	EA	Medical Waste Incinerator, 25 Lb./Hour Size 2'-7" x 4'-0"	23,610.55	2,320.66
11 82 19 00-0007	EA	Medical Waste Incinerator, 50 Lb./Hour Size 2'-11" x 4'-11"	45,250.78	2,320.66
11 82 19 00-0008	EA	Medical Waste Incinerator, 75 Lb./Hour Size 3'-8" x 5'-0"	61,374.09	4,641.32
11 82 19 00-0009	EA	Medium Waste Incinerator, 100 Lb./Hour Size 3'-8" x 6'-0"	89,787.90	4,641.32
11 82 26		**Facility Waste Compactors** *(11 82)*		
11 82 26 00-0001		Waste Compactors *(11 82 26)*		
11 82 26 00-0002		110 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour	23,538.23	639.53
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour	29,582.51	1,534.85
11 82 26 00-0005		230 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	29,525.21	2,046.48
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	33,292.85	2,686.00
11 82 26 00-0008		KPAC Trash Compactors *(11 82 26)*		
11 82 26 00-0009		KPAC Trash Compactors Base Models *(11 82 26 00-0008)*		
11 82 26 00-0010	EA	KP1SC-10-15 (10-15-CY) Self-Contained Solid Waste Compactor, Height 90" / 10'-141"/11'-147"/12'-153"/13'-165"/14'-171"/15'-177"	41,806.25	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0011	EA	KP1SC-21 (21-CY) Self-Contained Solid Waste Compactor, Height 90" / 219"	41,806.25	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0012	EA	KP1SC-25 (25-CY) Self-Contained Solid Waste Compactor, Height 90" / 249"	41,806.25	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0013	EA	KP1SC-19 (19-CY) Self-Contained Solid Waste Compactor, Height 102" / 183"	43,565.93	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0014	EA	KP1SC-23 (23-CY) Self-Contained Solid Waste Compactor, Height 102" / 213"	43,565.93	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0015	EA	KP1SC-28 (28-CY) Self-Contained Solid Waste Compactor, Height 102" / 243"	43,565.93	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0016	EA	KP1SC-33 (33-CY) Self-Contained Solid Waste Compactor, Height 102" / 273"	43,565.93	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
		For 78" OAH Extra Low-Profile, Add	*3,180.15*	
11 82 26 00-0017		KPAC Trash Compactors Optional Models *(11 82 26 00-0008)*		
11 82 26 00-0018	EA	KP2SC-20 (20-CY) Self-Contained Solid Waste Compactor, Height 102" / 189"	44,240.13	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0019	EA	KP2SC-25 (25-CY) Self-Contained Solid Waste Compactor, Height 102" / 219"	45,753.88	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0020	EA	KP2SC-30 (30-CY) Self-Contained Solid Waste Compactor, Height 102" / 249"	47,341.83	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0021	EA	KP2SC-35 (35-CY) Self-Contained Solid Waste Compactor, Height 102" / 279"	48,974.31	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0022	EA	KP2SC-21-35 (21-35-CY) Self-Contained Solid Waste Compactor, Height 102" Special Lengths	48,974.31	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0023	EA	KP2SC-20-30 (20-30-CY) Self-Contained Solid Waste Compactor, Height 90" Low Profile	50,882.40	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0024	EA	KP2SC-15-20 (15-20-CY) Self-Contained Solid Waste Compactor, Height 78" Extra Low Profile	51,518.43	
		Note: 10 HP, 3 Phase, 208/230/460 Trivolt Power (Parts Included For Conversion To 208 Or 460)		
11 82 26 00-0025		KPAC Trash Compactors Special Packages *(11 82 26 00-0008)*		
11 82 26 00-0026	EA	KP2SC-35 DENEVE Self-Contained Solid Waste Compactor	100,032.68	
		Note: Includes dock fed, single front door, 3 Phase, 10 HP, non-drip QD at dock, pressure gauge at controls, channel rails and stops, hilti stainless steel anchors 5/8" x 6", 40" hose stand, push plate, (17x44x3/8), polyurethan wheels, removable front panels, beige with optional colors.		
11 82 26 00-0027	EA	KP2SC-35 LUSKIN Self-Contained Solid Waste Compactor	125,986.94	
		Note: Includes rhs hooper, 3 Phase, 10 HP, non-drip QDs, pressure gauge at power pack, channel rails and stops, hilti stainless steel anchors 5/8" x 6", hose stand, push plate (17x44x3/8), polyurethan wheels, removable front panels, Perkins D7420 lift-system for 10' high ceilings, compatible with rubbermaid 1315 1 yard carts only, (2) WG11000 winch(s), (2) mounting brackets, compactor beige with optional colors. Separate power for Perkins lift-system in lieu of compactor's power pack. Additional power disconnect for winch required.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0028		**KPAC Trash Compactors Understructures** *(11 82 26 00-0008)*		
11 82 26 00-0029	EA	Bay Area Designs Understructure	2,014.10	
11 82 26 00-0030		**KPAC Trash Compactors Enclosures (Doghouses) Factory Installed** *(11 82 26 00-0008)*		
		Note: With interlock system		
11 82 26 00-0031	EA	Left Or Right-Hand Side Door Full Enclosure (Low Profile)	5,232.41	
		Note: Factory Installed With Interlock System		
11 82 26 00-0032	EA	Left Or Right-Hand Side Door Full Enclosure (Standard Height)	5,232.41	
		Note: Factory Installed With Interlock System		
11 82 26 00-0033	EA	Single Front Door Full Enclosure (Low Profile)	7,140.50	
		Note: Factory Installed With Interlock System		
11 82 26 00-0034	EA	Single Front Door Full Enclosure (Standard Height)	7,140.50	
		Note: Factory Installed With Interlock System		
11 82 26 00-0035	EA	2-Front Doors Full Enclosure (Low Profile)	5,484.70	
		Note: Factory Installed With Interlock System		
11 82 26 00-0036	EA	2-Front Doors Full Enclosure (Standard Height)	5,484.70	
		Note: Factory Installed With Interlock System		
11 82 26 00-0037	EA	Two Side Doors Full Enclosure (Low Profile)	5,927.80	
		Note: Factory Installed With Interlock System		
11 82 26 00-0038	EA	Two Side Doors Full Enclosure (Standard Height)	5,927.80	
		Note: Factory Installed With Interlock System		
11 82 26 00-0039	EA	Angled Dock Hopper With Steel Lids (Barn Door Style)	8,823.86	
		Note: Factory Installed With Interlock System		
11 82 26 00-0040		**KPAC Trash Compactors Hoppers Factory Installed** *(11 82 26 00-0008)*		
11 82 26 00-0041	EA	Top Load Hopper (Chute Feed From Above)	4,057.87	
		Note: Factory Installed		
11 82 26 00-0042	EA	Rear Feed Hopper	5,011.92	
		Note: Factory Installed		
11 82 26 00-0043	EA	Left Or Right-Side Hopper	4,083.31	
		Note: Factory Installed		
11 82 26 00-0044	EA	Dock Hopper With Gates And Interlock System	7,801.97	
		Note: Factory Installed		
11 82 26 00-0045		**KPAC Trash Compactors Power Pack Options Factory Installed** *(11 82 26 00-0008)*		
11 82 26 00-0046	EA	For No Power Option, Deduct	-6,118.59	
11 82 26 00-0047	EA	For 10 HP, Single Phase, 220 Volt, Add	2,660.73	
11 82 26 00-0048	EA	For 5 HP, Single Phase, 220 Volt, Add	2,609.84	
11 82 26 00-0049	EA	For Power Pack Hood Painted Color Other Than Black (White Rec For Desert Environment)	159.01	
11 82 26 00-0050		**KPAC Trash Compactors Power Pack Photo Eye Options Factory Installed** *(11 82 26 00-0008)*		
11 82 26 00-0051	EA	Photo Eye 3 Position Switch	1,585.83	
		Note: Factory Installed		
11 82 26 00-0052	EA	Photo Eye 3 Position Switch, Lights, Siren, Alarm, And Auto-Shutdown	3,133.51	
		Note: Factory Installed		
11 82 26 00-0053		**KPAC Trash Compactors Remote Station Controls** *(11 82 26 00-0008)*		
11 82 26 00-0054	EA	Remote Station Controls (12 Ft. Sealtite Standard Length)	657.23	
11 82 26 00-0055	EA	Steel Protector And Stand For Remote Station Controls	455.82	
11 82 26 00-0056		**KPAC Trash Compactors Pressure Gauges And Miscellaneous Warning Options** *(11 82 26 00-0008)*		
11 82 26 00-0057	EA	10 HP Pressure Gauge Mounted On Power Pack	324.38	
11 82 26 00-0058	EA	10 HP Pressure Gauge Mounted On Controls	901.04	
11 82 26 00-0059	EA	Full Light	784.44	
11 82 26 00-0060	EA	Low Oil Sensor Shutdown	1,674.88	
11 82 26 00-0061	EA	Oil Level Switch	519.42	
11 82 26 00-0062		**KPAC Trash Compactors Miscellaneous Options** *(11 82 26 00-0008)*		
11 82 26 00-0063	EA	Close Door Activation	371.02	
11 82 26 00-0064	EA	Push Plate (17" X 44"X 3/8")	636.03	
11 82 26 00-0065	EA	Polyurethane Wheels (Front And Rear)	4,844.43	
11 82 26 00-0066	EA	Steel Wheels At 8" Each	265.01	
11 82 26 00-0067	EA	Steel Wheels At 6" Each	307.41	
11 82 26 00-0068	EA	Hinged/Sealed Lockable Clean-Out Door For Cylinder Compartment	3,657.17	
11 82 26 00-0069	EA	Removable Panels For Cylinder Steam-Cleaning	604.23	
11 82 26 00-0070	EA	Full Seal Support Weld On Rear Door	455.82	
11 82 26 00-0071	EA	Biodegradeable Hydraulic Fluid	583.03	
11 82 26 00-0072		**KPAC Trash Compactors Guide Islands And Channels** *(11 82 26 00-0008)*		
11 82 26 00-0073	EA	Guide Islands With Stops, 35.5" Wide	1,390.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0074	EA	10 Ft Angle Iron And Stops	1,378.06	
11 82 26 00-0075	EA	Channel Rails, Butterfly Opening With Stops And Guide Alignment Plates (Yellow)	3,710.18	
11 82 26 00-0076		KPAC Trash Compactors Color Customer Choice *(11 82 26 00-0008)*		
		Note: Standard colors included in base task; primer only, beige, brown, gray, green and blue.		
11 82 26 00-0077	EA	Stericycle Blue-Grn	159.01	
11 82 26 00-0078	EA	Optional Colors	318.02	
11 82 26 00-0079		KPAC Trash Compactors Odor Control Systems *(11 82 26 00-0008)*		
11 82 26 00-0080	MO	Odor Control System, One Location / Up To Three (3) Nozzles Note: Twelve (12) month minimum.	371.02	
11 82 26 00-0081	MO	Odor Control System, Two Locations / Up To Three (3) Nozzles Note: Per each location. Twelve (12) month minimum.	349.82	
11 82 26 00-0082	MO	Odor Control System, Three Locations / Up To Three (3) Nozzles Note: Per each location. Twelve (12) month minimum.	328.62	

11 90 Other Equipment *(11)*

11 97 Security Equipment *(11 90)*

11 97 26 Detention Gun Lockers *(11 97)*

11 97 26 00-0001		Hinged Door Gun Lock *(11 97 26)* Note: Two keys per locker with one master.		
11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	3,669.53	70.44
11 97 26 00-0003		Hinged-Door Gun Locker *(11 97 26)* Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,436.00	49.31
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	3,262.48	70.44
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,966.32	84.52
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	8,641.98	84.52

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001		Security Doors And Frame Assembly *(11 98 12)*		
11 98 12 00-0002	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, single plate.	9,701.01	494.28
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0003	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, double plate.	11,744.66	491.09
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0004		Metal Frames *(11 98 12)* Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0005		Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0004)*		
11 98 12 00-0006	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,068.58	223.11
11 98 12 00-0007	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,068.58	223.11
11 98 12 00-0008	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,068.58	223.11
11 98 12 00-0009	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,068.58	223.11
11 98 12 00-0010	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,080.78	223.11
11 98 12 00-0011	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,080.78	223.11
11 98 12 00-0012	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,470.61	357.08
11 98 12 00-0013	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0014	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0015	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0016	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.78	223.11
11 98 12 00-0017	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,290.57	297.52
11 98 12 00-0018	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,290.57	297.52
11 98 12 00-0019	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,543.81	357.08
11 98 12 00-0020	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0021	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0022	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0023	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.18	223.11
11 98 12 00-0024	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,117.38	223.11
11 98 12 00-0025	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,117.38	223.11
11 98 12 00-0026	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,507.21	357.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0027		**Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4"** *(11 98 12 00-0004)*		
11 98 12 00-0028	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.16	223.11
11 98 12 00-0029	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.16	223.11
11 98 12 00-0030	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.16	223.11
11 98 12 00-0031	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.16	223.11
11 98 12 00-0032	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,129.56	223.11
11 98 12 00-0033	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,129.56	223.11
11 98 12 00-0034	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,507.19	357.08
11 98 12 00-0035	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.16	223.11
11 98 12 00-0036	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,105.16	223.11
11 98 12 00-0037	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.75	223.11
11 98 12 00-0038	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.75	223.11
11 98 12 00-0039	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,290.54	297.52
11 98 12 00-0040	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,290.54	297.52
11 98 12 00-0041	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,885.13	396.50
11 98 12 00-0042	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.75	223.11
11 98 12 00-0043	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.75	223.11
11 98 12 00-0044	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.75	223.11
11 98 12 00-0045	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,141.75	223.11
11 98 12 00-0046	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,153.96	223.11
11 98 12 00-0047	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,153.96	223.11
11 98 12 00-0048	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,543.78	357.08
11 98 12 00-0049		**Metal Detention Doors** *(11 98 12)*		
		Note: Flush type reinforced with stiffeners.		
11 98 12 00-0050		**10 Gauge 1-3/4" Metal Detention Door** *(11 98 12 00-0049)*		
11 98 12 00-0051	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	634.58	79.28
11 98 12 00-0052	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	641.38	79.28
11 98 12 00-0053	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	648.18	79.28
11 98 12 00-0054	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	654.98	79.28
11 98 12 00-0055	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	661.77	79.28
11 98 12 00-0056	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	695.77	79.28
11 98 12 00-0057	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	676.87	79.28
11 98 12 00-0058	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	683.93	79.28
11 98 12 00-0059	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	688.38	79.28
11 98 12 00-0060	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	750.29	79.28
11 98 12 00-0061	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	899.72	79.28
11 98 12 00-0062	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	976.58	79.28
11 98 12 00-0063	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	658.38	79.28
11 98 12 00-0064	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	665.17	79.28
11 98 12 00-0065	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	671.97	79.28
11 98 12 00-0066	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	678.77	79.28
11 98 12 00-0067	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	685.57	79.28
11 98 12 00-0068	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	719.56	79.28
11 98 12 00-0069		**Pneumatic Door Operators** *(11 98 12)*		
11 98 12 00-0070	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,805.65	
11 98 12 00-0071	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,279.40	
11 98 12 00-0072	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	6,712.71	
11 98 12 00-0073	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	7,878.27	
11 98 12 00-0074	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	9,769.17	
11 98 12 00-0075	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,857.61	
11 98 14		**Detention Door Hardware** *(11 98)*		
11 98 14 00-0001		**Prison Deadlocks and Deadlatches** *(11 98 14)*		
11 98 14 00-0002	EA	Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010A-1)	863.51	89.82
11 98 14 00-0003	EA	Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010A-2)	876.43	89.82
11 98 14 00-0004	EA	Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010AM-1)	1,441.34	89.82
11 98 14 00-0005	EA	Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010AM-2)	2,155.78	89.82
11 98 14 00-0006	EA	Prison Combination Spring And Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1070A-1)	1,477.46	89.82
11 98 14 00-0007	EA	Prison Combination Spring And Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1070A-2)	1,505.15	89.82
11 98 14 00-0008	EA	Prison Combination Spring And Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1070AK-1)	2,106.98	89.82
11 98 14 00-0009	EA	Prison Combination Spring And Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1070AK-2)	2,129.13	89.82
11 98 14 00-0010	EA	Prison Deadlock, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 1080A)	918.09	89.82
11 98 14 00-0011	EA	Automatic Prison Deadlock, Keyed One Side, For Sliding Doors (Southern Folger 1030A-1)	2,261.01	89.82
11 98 14 00-0012	EA	Automatic Prison Deadlock, Keyed Both Sides, For Sliding Doors (Southern Folger 1030A-2)	2,261.01	89.82
11 98 14 00-0013	EA	Automatic Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030AK)	2,454.85	89.82
11 98 14 00-0014	EA	Prison Deadlock, Keyed One Or Both Sides, For Sliding Doors (Southern Folger 1030AD)	1,864.10	89.82
11 98 14 00-0015	EA	Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030ADK)	2,344.08	89.82
11 98 14 00-0016	EA	Prison CREMONE Bolt Set With Snaplatch, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10370A)	4,654.60	89.82
11 98 14 00-0017	EA	Prison CREMONE Bolt Set With Deadlock, Active, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AA)	4,979.51	89.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 14 00-0018	EA	Prison CREMONE Bolt Set With Deadlock, Inactive, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AI)	4,643.52	89.82
11 98 14 00-0019	EA	Keys For Prison Deadlock	47.78	
11 98 14 00-0020	EA	115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,337.97	119.76
11 98 14 00-0021	EA	115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,483.22	119.76
11 98 14 00-0022	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,632.88	119.76
11 98 14 00-0023	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,630.72	119.76
11 98 14 00-0024	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1)	2,405.61	89.82
11 98 14 00-0025	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2)	2,850.80	89.82
11 98 14 00-0026	EA	115 Volt AC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch For Sliding Doors (Southern Folger 1058M-1)	4,096.59	107.09
11 98 14 00-0027	EA	115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch For Sliding Doors (Southern Folger 1058M-2)	4,873.07	107.09
11 98 14 00-0028	EA	Surface Mounted, Maximum Secutiry Lock (Willo Wedge with Gripper) Note: Strike welded to door and lock pocket welded to frame. See CSI section 02 41 19 13-0072 for torch cutting existing door to prepare for device.	4,910.79	119.76
11 98 14 00-0029		Detention Door Hardware *(11 98 14)* Note: Includes hardware for all door types and all hardware group types.		
11 98 14 00-0030	EA	Hinges For Detention Door	469.42	59.88
11 98 14 00-0031	EA	Door Closer For Detention Door	735.92	89.82
11 98 14 00-0032	EA	Escutcheon For Detention Door	125.30	14.97
11 98 14 00-0033	EA	Cylinder Shield For Detention Door	125.30	14.97
11 98 14 00-0034	EA	Door Pulls For Detention Door	125.30	14.97
11 98 14 00-0035	EA	Surface Overhead Stop For Detention Door	845.35	104.80
11 98 14 00-0036	EA	Protection Plate For Detention Door	220.66	14.97
11 98 14 00-0037	EA	Astragal For Detention Door	218.83	29.94
11 98 14 00-0038	EA	Floor Stop For Detention Door	121.40	20.96
11 98 14 00-0039	EA	Mortise Strike with Dust Box and Mounting Scews (Southern Folger 470C)	144.81	29.94
11 98 14 00-0040	EA	Mounting Strike with Switch with Mounting Screws (Southern Folger 470CL)	235.27	29.94
11 98 14 00-0041	EA	Heavy-Duty, High-Security, Concealed Track Door Closer For Up To 38" Wide Interior Detention Door (LCN 2210)	1,144.31	89.82
11 98 14 00-0042	EA	Heavy-Duty, High-Security, Concealed Track Door Closer For Up To 38" Wide Interior Detention Door (LCN 2210-DPS) Note: With door position switch	1,547.59	89.82
11 98 14 00-0043	EA	Heavy-Duty, High-Security, Concealed Track Door Closer For 48" Wide Interior Detention Door (LCN 2214)	1,529.63	89.82
11 98 14 00-0044	EA	Heavy-Duty, High-Security, Concealed Track Door Closer For 48" Wide Interior Detention Door (LCN 2214-DPS) Note: With door position switch	1,704.71	89.82
11 98 14 00-0045	EA	4-1/2" x 2" Steel Mortise Door Hinge With Bearing For Detention Door (1511A29)	82.65	29.94
11 98 14 00-0046	EA	4-1/2" x 2-1/2" Stainless Steel Tamper-Resistant Mortise-Mount Template Hinge For Detention Door (1819A46)	158.23	29.94
11 98 21		**Detention Windows** *(11 98)*		
11 98 21 00-0001		Visitor Cubicle *(11 98 21)* Note: Excludes glazing.		
11 98 21 00-0002	EA	Detention Visitor Cubicle, Vision Panel, No Intercom	12,682.96	982.31

END OF SECTION 11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	212.74	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	99.76	
12 01 60 00-0004	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	157.36	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Long Back Part	257.23	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Short Back Part	244.99	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Bracket Part	85.20	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	80.96	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Lift Mechanism	82.99	
12 01 60 00-0010	EA	Removal And Replacement Of Auditorium Seat Aisle Panel Note: Excludes standard.	221.58	
12 01 60 00-0011	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	211.28	
12 01 60 00-0012	EA	Removal And Replacement Of Auditorium Seat Aisle Standard Part	245.05	
12 01 60 00-0013	EA	Add Or Replace Auditorium Seat Number/Letter Plate	11.30	
12 01 60 00-0014	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	88.31	
		For Epoxy Anchoring, Add	*28.18*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 01 60 00-0015	EA	Removal And Reinstallation Of Existing Auditorium Seat In Wood Floor Note: Includes drilling and fasteners.	73.33	
12 01 60 00-0016	EA	Refinish Hardwood/Plywood Auditorium Seat (Seat, Back And Armrest) With Two Coats Of Sealer	50.09	
12 01 60 00-0017	EA	Secure Seat To Floor	80.39	
12 01 60 00-0018	EA	Reupholster Auditorium Seat And Back Note: Includes removal of existing upholstery.	248.10	

12 01 60 00-0019 Repairs Associated With Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0020	EA	Patch Existing Holes In Floor (Per Auditorium Seat)	1.52	
12 01 60 00-0021	SF	Paint Floors, 1 Coat Paint, Brush/Roller Work	0.82	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	12.90	1.15
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	10.61	1.15
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.49	1.15
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	13.25	1.15

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	10.96	1.15
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	12.64	1.15

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	15.27	2.44

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	10.05	2.44
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	13.85	2.44

12 22 Curtains and Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0001		**Lined Draperies** *(12 22 13)* Note: Width dimensions are the panel width at top excluding returns and overlaps.		
12 22 13 00-0002		**Up To 48" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	435.27	17.86
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	453.22	17.86
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	482.41	17.86
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	493.63	17.86
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	520.56	17.86
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	556.48	17.86
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	578.93	17.86
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	610.35	17.86
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	659.74	17.86
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	632.18	24.28
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	672.59	24.28
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	704.01	24.28
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	730.94	24.28
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	793.80	24.28
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	825.22	24.28
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	852.16	24.28
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	910.52	24.28
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	973.37	24.28
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	838.08	30.71
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	896.45	30.71
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	923.38	30.71
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	986.23	30.71
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	1,044.60	30.71
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	1,102.96	30.71
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	1,134.38	30.71
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,197.23	30.71
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,282.53	30.71
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	1,057.45	37.14
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	1,115.81	37.14
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	1,147.23	37.14
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,237.02	37.14
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,295.38	37.14
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,358.24	37.14
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,950.18	37.14
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,510.87	37.14
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,555.77	37.14
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,249.88	43.56
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,335.18	43.56
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,366.60	43.56
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,456.39	43.56
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,546.18	43.56
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,635.97	43.56
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,725.75	43.56
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,815.54	43.56
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,927.78	43.56
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,469.25	49.99
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,559.04	49.99
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,626.38	49.99
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,716.17	49.99
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,805.96	49.99
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,918.19	49.99
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	2,007.98	49.99
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	2,097.77	49.99
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	2,254.89	49.99
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,661.68	56.42
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,773.91	56.42
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,841.25	56.42
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,953.49	56.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	2,043.27	56.42
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	2,155.51	56.42
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,335.09	56.42
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,402.43	56.42
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,559.55	56.42
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,876.56	62.85
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,966.35	62.85
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	2,056.13	62.85
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	2,190.81	62.85
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,325.50	62.85
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,460.18	62.85
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,572.41	62.85
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,684.65	62.85
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	2,886.67	62.85
12 22 13 00-0082		**>216" To 240" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	2,068.98	69.27
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	2,226.12	69.27
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	2,293.45	69.27
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,428.14	69.27
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,585.26	69.27
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,719.95	69.27
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,854.63	69.27
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	2,989.31	69.27
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	3,213.78	69.27
12 22 13 00-0092		**Auditorium Window Curtain** *(12 22 13)*		
12 22 13 00-0093		**One Panel, Straight Top, Valance, Window Curtain** *(12 22 13 00-0092)*		
12 22 13 00-0094	EA	One 6' x 3' Panel, Straight Top, Valance, Window Curtain	565.22	13.53
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0095	EA	One 12' x 3' Panel, Straight Top, Valance, Window Curtain	719.64	26.95
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0096	EA	One 18' x 3' Panel, Straight Top, Valance, Window Curtain	1,031.90	48.51
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0097	EA	One 28' x 3' Panel, Straight Top, Valance, Window Curtain	1,567.38	75.45
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0098	EA	One 6' x 6' Panel, Straight Top, Valance, Window Curtain	763.52	13.53
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0099	EA	One 12' x 6' Panel, Straight Top, Valance, Window Curtain	1,073.76	26.95
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0100	EA	One 18' x 6' Panel, Straight Top, Valance, Window Curtain	1,414.35	48.51
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0101	EA	One 28' x 6' Panel, Straight Top, Valance, Window Curtain	2,204.81	75.45
		For Curved Proscenium Valance, Add	*337.26*	
12 22 13 00-0102		**6' Wide Opening, Two Panel, Bi-Parting, Window Curtain** *(12 22 13 00-0092)*		
12 22 13 00-0103	PR	Two 4' x 8' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,363.62	8.98
12 22 13 00-0104	PR	Two 4' x 10' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,434.44	8.98
12 22 13 00-0105	PR	Two 4' x 12' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,533.60	8.98
12 22 13 00-0106	PR	Two 4' x 14' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,675.26	8.98
12 22 13 00-0107	PR	Two 4' x 16' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	1,816.90	8.98
12 22 13 00-0108	PR	Two 4' x 18' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	2,015.21	8.98
12 22 13 00-0109	PR	Two 4' x 20' Panels, 6' Wide Opening, Bi-Parting, Window Curtain	2,210.68	8.98
12 22 13 00-0110		**12' Wide Opening, Two Panel, Bi-Parting, Window Curtain** *(12 22 13 00-0092)*		
12 22 13 00-0111	PR	Two 7' x 8' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,731.28	15.69
12 22 13 00-0112	PR	Two 7' x 10' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	1,872.94	15.69
12 22 13 00-0113	PR	Two 7' x 12' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,014.57	15.69
12 22 13 00-0114	PR	Two 7' x 14' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,184.55	15.69
12 22 13 00-0115	PR	Two 7' x 16' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,411.19	15.69
12 22 13 00-0116	PR	Two 7' x 18' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,637.82	15.69
12 22 13 00-0117	PR	Two 7' x 20' Panels, 12' Wide Opening, Bi-Parting, Window Curtain	2,878.64	15.69
12 22 13 00-0118		**18' Wide Opening, Two Panel, Bi-Parting, Window Curtain** *(12 22 13 00-0092)*		
12 22 13 00-0119	PR	Two 10' x 8' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,297.12	22.51
12 22 13 00-0120	PR	Two 10' x 10' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,537.92	22.51
12 22 13 00-0121	PR	Two 10' x 12' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	2,835.39	22.51
12 22 13 00-0122	PR	Two 10' x 14' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,118.69	22.51
12 22 13 00-0123	PR	Two 10' x 16' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	3,444.46	22.51
12 22 13 00-0124	PR	Two 10' x 18' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	4,047.89	22.51
12 22 13 00-0125	PR	Two 10' x 20' Panels, 18' Wide Opening, Bi-Parting, Window Curtain	4,393.51	22.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0126		28' Wide Opening, Two Panel, Bi-Parting, Window Curtain *(12 22 13 00-0092)*		
12 22 13 00-0127	PR	Two 15' x 8' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	3,721.95	33.66
12 22 13 00-0128	PR	Two 15' x 10' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,282.86	33.66
12 22 13 00-0129	PR	Two 15' x 12' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	4,775.80	33.66
12 22 13 00-0130	PR	Two 15' x 14' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,039.27	33.66
12 22 13 00-0131	PR	Two 15' x 16' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,379.23	33.66
12 22 13 00-0132	PR	Two 15' x 18' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	5,719.18	33.66
12 22 13 00-0133	PR	Two 15' x 20' Panels, 28' Wide Opening, Bi-Parting, Window Curtain	6,356.59	33.66

12 22 16 Drapery Track and Accessories *(12 22)*

12 22 16 00-0001		Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*		
12 22 16 00-0002		Basic Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	180.27	54.75
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	217.60	54.75
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	261.66	60.84
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	378.22	60.84
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	388.85	66.92
12 22 16 00-0008		Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	216.05	54.75
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	240.15	54.75
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	318.42	60.84
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	366.29	66.92
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	277.48	54.75
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	350.58	54.75
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	446.34	60.84
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	480.61	66.92
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	16.33	2.57
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	36.50	
12 22 16 00-0022		Auditorium Window Curtain Hardware *(12 22 16)*		
12 22 16 00-0023		Auditorium Window Track And Accessories (Kirsch 9070 Series) *(12 22 16 00-0022)*		
12 22 16 00-0024	EA	Up To 3', 9070 Series (Window) CWANA (Comes With All Necessary Accessories)	129.55	7.19
12 22 16 00-0025	LF	Each Additional Foot, 9070 Series (Window) CWANA (Comes With All Necessary Accessories)	42.20	7.19
12 22 16 00-0026	LF	Channel (Kirsch 9050)	13.86	3.59
12 22 16 00-0027	EA	Splice Clamp (Kirsch 9051)	28.76	8.98
12 22 16 00-0028	EA	Live End And Dead End Pulley Set (Kirsch 9052)	38.52	7.19
12 22 16 00-0029	EA	Master Carrier (Pairs Only) (Kirsch 9055)	31.22	4.55
12 22 16 00-0030	EA	Single Carrier (Kirsch 9056)	6.83	1.79
12 22 16 00-0031	EA	Center Stop (Kirsch 9058)	9.53	3.59
12 22 16 00-0032	EA	Tension Pulley (Kirsch 9059)	32.17	7.19
12 22 16 00-0033	EA	Hanging Clamp (Kirsch 9063)	21.78	8.98
12 22 16 00-0034	EA	Wall Bracket (Pair Only) (Kirsch 9064)	23.59	7.19
12 22 16 00-0035	LF	3/16" Diameter #6 Sash Cord (Kirsch)	1.34	0.36
12 22 16 00-0036	EA	Window Sill Check Block	18.63	1.79
12 22 16 00-0037		Medium Duty Window Curtain Track And Accessories (ADC 170 Series) *(12 22 16 00-0022)*		
12 22 16 00-0038	LF	Steel 170 Series CWANA (Comes With All Necessary Accessories) Note: Excludes pipe backbone.	69.13	7.19
12 22 16 00-0039	LF	Aluminum 170 Series CWANA (Comes With All Necessary Accessories) Note: Excludes pipe backbone.	72.77	7.19
12 22 16 00-0040	LF	14 Gauge Galvanized Steel Track Channel (ADC 1700)	32.68	3.59
12 22 16 00-0041	LF	12 Gauge Aluminum Track Channel (ADC 1700-A)	37.49	3.59
12 22 16 00-0042	EA	Single Carrier (ADC 1701)	13.98	1.79
12 22 16 00-0043	EA	Master Carrier (ADC 1702)	50.08	4.55
12 22 16 00-0044	EA	Live End Pulley (ADC 1703)	119.31	7.19
12 22 16 00-0045	EA	Dead End Pulley (ADC 1704)	72.47	7.19
12 22 16 00-0046	EA	Lap Clamp (ADC 1707)	22.64	3.59
12 22 16 00-0047	EA	Hanging Clamp (ADC 1708)	26.97	8.98
12 22 16 00-0048	EA	End Stop (ADC 1709)	19.54	3.59
12 22 16 00-0049	EA	Pipe Clamp For 1" Inside Diameter, Schedule 40 Pipe Batten (ADC 1713)	33.03	8.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 16 00-0050	EA	Pipe Clamp For 1-1/4" Inside Diameter, Schedule 40 Pipe Batten (ADC 1714)	35.46	8.98
12 22 16 00-0051	EA	Pipe Clamp For 1-1/2" Inside Diameter, Schedule 40 Pipe Batten (ADC 1715)	37.58	8.98
12 22 16 00-0052	EA	Suspended Splicing Clamp (ADC 1724)	156.46	13.53
12 22 16 00-0053	LF	1/4" Diameter #8 Cord (ADC 1728)	2.18	0.36
12 22 16 00-0054	EA	Overlapping Master Carrier (ADC 2602)	142.48	4.55
12 22 16 00-0055	EA	Ceiling Splicing Clamp (ADC 2624)	178.88	8.98
12 22 16 00-0056		Wood Jamb Strip And Grounds *(12 22 16 00-0022)*		
		Note: Includes hardware and painting.		
12 22 16 00-0057	LF	1" x 2" Window Curtain Side Wood Jamb Strips	7.19	0.96
12 22 16 00-0058	LF	1" x 6" Window Valance Or Track Wood Ground	12.31	0.96
12 22 16 00-0059	LF	1" x Required Width Kerfed, Vaulted Window Valance Wood Ground	15.44	0.96
12 22 16 00-0060		Auditorium Window Curtain And Hardware Surcharges *(12 22 16)*		
12 22 16 00-0061	EA	Pattern Surcharge (Full Size Paper Template), For Curved Window Valance Or Custom Cut-outs (Decorative Plaster)	1,437.16	
		Note: Three quarter (.75) crew day (with two (2) person crew).		
12 22 16 00-0062	EA	Over 13' Wide Window Surcharge	479.06	
		Note: One quarter (.25) crew day (with two (2) person crew).		

12 23 Interior Shutters *(12 20)*

12 23 13 Wood Interior Shutters *(12 23)*

12 23 13 00-0001		Interior Plantation Shutters *(12 23 13)*		
		Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002		12" Wide *(12 23 13 00-0001)*		
12 23 13 00-0003	PR	12" x 36" Plantation Shutter	357.07	43.09
12 23 13 00-0004	PR	12" x 40" Plantation Shutter	397.38	45.25
12 23 13 00-0005	PR	12" x 44" Plantation Shutter	433.96	47.41
12 23 13 00-0006	PR	12" x 48" Plantation Shutter	470.54	49.57
12 23 13 00-0007	PR	12" x 52" Plantation Shutter	507.11	51.71
12 23 13 00-0008	PR	12" x 56" Plantation Shutter	543.70	53.87
12 23 13 00-0009	PR	12" x 60" Plantation Shutter	546.57	56.03
12 23 13 00-0010	PR	12" x 64" Plantation Shutter	616.85	58.18
12 23 13 00-0011	PR	12" x 68" Plantation Shutter	653.43	60.33
12 23 13 00-0012	PR	12" x 72" Plantation Shutter	690.01	62.49
12 23 13 00-0013	PR	12" x 76" Plantation Shutter	726.59	64.65
12 23 13 00-0014	PR	12" x 80" Plantation Shutter	763.16	66.80
12 23 13 00-0015		14" Wide *(12 23 13 00-0001)*		
12 23 13 00-0016	PR	14" x 36" Plantation Shutter	372.05	43.09
12 23 13 00-0017	PR	14" x 40" Plantation Shutter	412.37	45.25
12 23 13 00-0018	PR	14" x 44" Plantation Shutter	448.94	47.41
12 23 13 00-0019	PR	14" x 48" Plantation Shutter	485.52	49.57
12 23 13 00-0020	PR	14" x 52" Plantation Shutter	525.84	51.71
12 23 13 00-0021	PR	14" x 56" Plantation Shutter	562.42	53.87
12 23 13 00-0022	PR	14" x 60" Plantation Shutter	599.00	56.03
12 23 13 00-0023	PR	14" x 64" Plantation Shutter	639.32	58.18
12 23 13 00-0024	PR	14" x 68" Plantation Shutter	675.90	60.33
12 23 13 00-0025	PR	14" x 72" Plantation Shutter	712.49	62.49
12 23 13 00-0026	PR	14" x 76" Plantation Shutter	752.81	64.65
12 23 13 00-0027	PR	14" x 80" Plantation Shutter	789.37	66.80
12 23 13 00-0028		15" Wide *(12 23 13 00-0001)*		
12 23 13 00-0029	PR	15" x 36" Plantation Shutter	387.03	43.09
12 23 13 00-0030	PR	15" x 40" Plantation Shutter	427.35	45.25
12 23 13 00-0031	PR	15" x 44" Plantation Shutter	463.92	47.41
12 23 13 00-0032	PR	15" x 48" Plantation Shutter	500.50	49.57
12 23 13 00-0033	PR	15" x 52" Plantation Shutter	540.82	51.71
12 23 13 00-0034	PR	15" x 56" Plantation Shutter	581.15	53.87
12 23 13 00-0035	PR	15" x 60" Plantation Shutter	621.47	56.03
12 23 13 00-0036	PR	15" x 64" Plantation Shutter	661.79	58.18
12 23 13 00-0037	PR	15" x 68" Plantation Shutter	702.12	60.33
12 23 13 00-0038	PR	15" x 72" Plantation Shutter	738.70	62.49
12 23 13 00-0039	PR	15" x 76" Plantation Shutter	779.02	64.65
12 23 13 00-0040	PR	15" x 80" Plantation Shutter	819.33	66.80
12 23 13 00-0041		16" Wide *(12 23 13 00-0001)*		
12 23 13 00-0042	PR	16" x 36" Plantation Shutter	409.50	43.09
12 23 13 00-0043	PR	16" x 40" Plantation Shutter	453.56	45.25
12 23 13 00-0044	PR	16" x 44" Plantation Shutter	493.88	47.41
12 23 13 00-0045	PR	16" x 48" Plantation Shutter	537.95	49.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0046	PR	16" x 52" Plantation Shutter	578.27	51.71
12 23 13 00-0047	PR	16" x 56" Plantation Shutter	618.60	53.87
12 23 13 00-0048	PR	16" x 60" Plantation Shutter	658.92	56.03
12 23 13 00-0049	PR	16" x 64" Plantation Shutter	706.73	58.18
12 23 13 00-0050	PR	16" x 68" Plantation Shutter	747.06	60.33
12 23 13 00-0051	PR	16" x 72" Plantation Shutter	787.39	62.49
12 23 13 00-0052	PR	16" x 76" Plantation Shutter	831.45	64.65
12 23 13 00-0053	PR	16" x 80" Plantation Shutter	871.76	66.80
12 23 13 00-0054		18" Wide *(12 23 13 00-0001)*		
12 23 13 00-0055	PR	18" x 36" Plantation Shutter	443.20	43.09
12 23 13 00-0056	PR	18" x 40" Plantation Shutter	487.27	45.25
12 23 13 00-0057	PR	18" x 44" Plantation Shutter	531.33	47.41
12 23 13 00-0058	PR	18" x 48" Plantation Shutter	579.14	49.57
12 23 13 00-0059	PR	18" x 52" Plantation Shutter	623.21	51.71
12 23 13 00-0060	PR	18" x 56" Plantation Shutter	671.03	53.87
12 23 13 00-0061	PR	18" x 60" Plantation Shutter	715.09	56.03
12 23 13 00-0062	PR	18" x 64" Plantation Shutter	759.16	58.18
12 23 13 00-0063	PR	18" x 68" Plantation Shutter	803.23	60.33
12 23 13 00-0064	PR	18" x 72" Plantation Shutter	851.05	62.49
12 23 13 00-0065	PR	18" x 76" Plantation Shutter	895.11	64.65
12 23 13 00-0066	PR	18" x 80" Plantation Shutter	942.91	66.80
12 23 13 00-0067		20" Wide *(12 23 13 00-0001)*		
12 23 13 00-0068	PR	20" x 36" Plantation Shutter	480.65	43.09
12 23 13 00-0069	PR	20" x 40" Plantation Shutter	532.21	45.25
12 23 13 00-0070	PR	20" x 44" Plantation Shutter	580.02	47.41
12 23 13 00-0071	PR	20" x 48" Plantation Shutter	627.83	49.57
12 23 13 00-0072	PR	20" x 52" Plantation Shutter	679.38	51.71
12 23 13 00-0073	PR	20" x 56" Plantation Shutter	727.20	53.87
12 23 13 00-0074	PR	20" x 60" Plantation Shutter	778.76	56.03
12 23 13 00-0075	PR	20" x 64" Plantation Shutter	826.57	58.18
12 23 13 00-0076	PR	20" x 68" Plantation Shutter	878.13	60.33
12 23 13 00-0077	PR	20" x 72" Plantation Shutter	925.95	62.49
12 23 13 00-0078	PR	20" x 76" Plantation Shutter	977.50	64.65
12 23 13 00-0079	PR	20" x 80" Plantation Shutter	1,025.30	66.80
12 23 13 00-0080		22" Wide *(12 23 13 00-0001)*		
12 23 13 00-0081	PR	22" x 36" Plantation Shutter	510.61	43.09
12 23 13 00-0082	PR	22" x 40" Plantation Shutter	565.91	45.25
12 23 13 00-0083	PR	22" x 44" Plantation Shutter	617.47	47.41
12 23 13 00-0084	PR	22" x 48" Plantation Shutter	6,286.48	49.57
12 23 13 00-0085	PR	22" x 52" Plantation Shutter	724.32	51.71
12 23 13 00-0086	PR	22" x 56" Plantation Shutter	775.89	53.87
12 23 13 00-0087	PR	22" x 60" Plantation Shutter	827.44	56.03
12 23 13 00-0088	PR	22" x 64" Plantation Shutter	882.74	58.18
12 23 13 00-0089	PR	22" x 68" Plantation Shutter	934.30	60.33
12 23 13 00-0090	PR	22" x 72" Plantation Shutter	989.61	62.49
12 23 13 00-0091	PR	22" x 76" Plantation Shutter	1,041.17	64.65
12 23 13 00-0092	PR	22" x 80" Plantation Shutter	1,096.46	66.80
12 23 13 00-0093		24" Wide *(12 23 13 00-0001)*		
12 23 13 00-0094	PR	24" x 36" Plantation Shutter	540.57	43.09
12 23 13 00-0095	PR	24" x 40" Plantation Shutter	599.62	45.25
12 23 13 00-0096	PR	24" x 44" Plantation Shutter	654.92	47.41
12 23 13 00-0097	PR	24" x 48" Plantation Shutter	713.96	49.57
12 23 13 00-0098	PR	24" x 52" Plantation Shutter	769.26	51.71
12 23 13 00-0099	PR	24" x 56" Plantation Shutter	824.57	53.87
12 23 13 00-0100	PR	24" x 60" Plantation Shutter	879.87	56.03
12 23 13 00-0101	PR	24" x 64" Plantation Shutter	938.91	58.18
12 23 13 00-0102	PR	24" x 68" Plantation Shutter	994.22	60.33
12 23 13 00-0103	PR	24" x 72" Plantation Shutter	1,053.28	62.49
12 23 13 00-0104	PR	24" x 76" Plantation Shutter	1,108.58	64.65
12 23 13 00-0105	PR	24" x 80" Plantation Shutter	1,167.61	66.80

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*
Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	16.36	0.85
		For Installation In Concrete Or Steel, Add	*0.85*	
		For Window Top >10' Above Finished Floor, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	16.36	0.85
		For Installation In Concrete Or Steel, Add	*0.85*	
		For Window Top >10' Above Finished Floor, Add	*0.43*	
12 24 13 00-0005		**Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades** *(12 24 13 00-0001)*		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.86	0.85
		For Installation In Concrete Or Steel, Add	*0.85*	
		For Window Top >10' Above Finished Floor, Add	*0.43*	
12 24 13 00-0007		**Vinyl Coated Polyester, Roller Window Shades** *(12 24 13 00-0001)*		
		Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	16.36	0.85
		For Installation In Concrete Or Steel, Add	*0.85*	
		For Window Top >10' Above Finished Floor, Add	*0.43*	
12 24 13 00-0009		**MechoShade** *(12 24 13)*		
		Note: Includes all hardware required for installation and stainless steel chain operator.		
12 24 13 00-0010		**ThermoVeil 0700 Series (Blackout) Shade** *(12 24 13 00-0009)*		
12 24 13 00-0011	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	241.82	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0012	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	293.44	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0013	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	320.53	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0014	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	343.17	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0015	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	252.97	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0016	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	311.28	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0017	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	333.91	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0018	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	361.00	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0019	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	266.35	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0020	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	331.34	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0021	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	353.97	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0022	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	381.07	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0023	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	277.50	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0024	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	351.41	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0025	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	374.04	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0026	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	398.91	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0027	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	288.65	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0028	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	371.48	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0029	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	394.11	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0030	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	421.21	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0031	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	302.03	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0032	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	393.78	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0033	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	416.41	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0034	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	441.28	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0035	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	313.17	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0036	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	413.85	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0037	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	436.48	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0038	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	461.34	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0039	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	324.32	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0040	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	433.92	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0041	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	456.54	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0042	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	514.86	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0043	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	346.62	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0044	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	471.82	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0045	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	494.45	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0046	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	541.62	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0047	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	422.44	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0048	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	494.12	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0049	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	516.75	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0050	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	570.60	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	

12 24 13 00-0051 ThermoVeil 0900 And 3000 Series Shade *(12 24 13 00-0009)*

12 24 13 00-0052	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	275.27	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0053	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	338.03	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0054	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	371.81	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0055	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	401.14	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0056	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	497.36	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0057	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	517.75	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0058	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	295.34	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0059	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	369.25	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0060	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	407.49	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0061	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	439.05	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0062	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	544.19	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0063	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	566.81	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0064	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	313.17	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0065	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	402.70	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0066	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	445.40	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0067	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	476.95	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0068	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	595.47	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0069	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	618.09	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0070	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	335.47	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0071	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	436.15	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0072	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	481.07	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0073	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	517.09	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0074	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	646.76	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0075	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	669.38	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0076	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	353.31	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0077	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	465.13	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0078	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	518.98	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0079	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	555.00	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0080	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	695.81	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0081	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	832.15	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0082	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	375.61	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0083	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	498.58	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0084	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	554.66	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0085	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	592.90	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0086	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	747.10	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0087	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	892.36	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0088	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	393.45	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0089	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	529.80	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0090	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	590.33	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0091	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	630.81	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0092	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	798.39	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0093	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	943.64	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0094	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	413.52	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0095	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	565.47	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0096	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	630.47	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0097	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	670.95	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0098	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	865.28	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0099	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	994.93	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0100	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	451.42	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0101	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	605.61	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0102	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	683.98	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0103	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	728.92	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0104	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	950.01	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0105	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,079.66	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0106	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	549.53	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0107	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	645.75	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0108	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	733.04	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0109	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	777.98	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0110	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	992.38	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0111	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	1,128.72	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	

12 24 13 00-0112 EuroVeil 5100, 5200 And 5300 Series Shade *(12 24 13 00-0009)*

12 24 13 00-0113	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	290.88	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0114	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	315.74	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0115	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	362.89	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0116	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	430.13	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0117	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	481.75	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0118	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	528.90	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0119	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	313.17	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0120	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	338.03	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0121	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	396.34	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0122	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	476.95	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0123	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	528.58	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0124	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	551.20	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0125	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	335.47	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0126	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	358.10	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0127	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	427.56	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0128	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	523.78	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0129	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	575.41	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0130	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	598.02	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0131	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	360.00	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0132	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	382.63	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0133	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	458.77	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0134	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	570.60	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0135	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	622.23	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0136	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	763.03	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0137	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	382.30	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0138	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	404.93	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0139	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	487.76	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0140	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	617.43	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0141	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	669.06	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0142	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	809.86	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0143	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	406.83	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0144	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	429.46	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0145	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	521.21	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0146	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	664.26	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0147	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	733.72	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0148	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	849.99	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0149	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	429.12	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0150	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	449.52	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0151	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	554.66	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0152	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	720.00	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0153	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	771.63	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0154	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	896.82	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0155	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	451.42	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0156	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	474.05	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0157	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	583.64	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0158	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	760.14	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0159	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	813.99	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0160	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	961.48	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0161	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	507.17	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0162	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	529.80	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0163	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	659.46	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0164	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	833.72	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0165	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	896.50	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0166	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,035.07	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0167	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	596.36	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0168	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	554.32	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0169	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	695.13	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0170	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	880.55	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0171	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	945.55	40.19
		For Installation In Concrete Or Steel, Add	*39.99*	
		For Window Top >10' Above Finished Floor, Add	*20.00*	
12 24 13 00-0172	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	1,081.89	45.93
		For Installation In Concrete Or Steel, Add	*45.70*	
		For Window Top >10' Above Finished Floor, Add	*22.85*	
12 24 13 00-0173		**Snaplock Fascia** *(12 24 13 00-0009)*		
12 24 13 00-0174	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia	34.73	2.87
		For Installation In Concrete Or Steel, Add	*2.86*	
		For Window Top >10' Above Finished Floor, Add	*1.43*	
12 24 13 00-0175	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	45.56	3.83
		For Installation In Concrete Or Steel, Add	*3.81*	
		For Window Top >10' Above Finished Floor, Add	*1.90*	
12 24 13 00-0176	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	56.40	4.78
		For Installation In Concrete Or Steel, Add	*4.76*	
		For Window Top >10' Above Finished Floor, Add	*2.38*	
12 24 13 00-0177	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	71.68	5.74
		For Installation In Concrete Or Steel, Add	*5.71*	
		For Window Top >10' Above Finished Floor, Add	*2.86*	
12 24 13 00-0178	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	80.29	6.69
		For Installation In Concrete Or Steel, Add	*6.67*	
		For Window Top >10' Above Finished Floor, Add	*3.33*	
12 24 13 00-0179	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	93.35	7.65
		For Installation In Concrete Or Steel, Add	*7.62*	
		For Window Top >10' Above Finished Floor, Add	*3.81*	
12 24 13 00-0180	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	106.41	8.61
		For Installation In Concrete Or Steel, Add	*8.57*	
		For Window Top >10' Above Finished Floor, Add	*4.28*	
12 24 13 00-0181	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	117.25	9.57
		For Installation In Concrete Or Steel, Add	*9.52*	
		For Window Top >10' Above Finished Floor, Add	*4.76*	
12 24 13 00-0182	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	128.08	10.52
		For Installation In Concrete Or Steel, Add	*10.47*	
		For Window Top >10' Above Finished Floor, Add	*5.24*	
12 24 13 00-0183	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	203.57	11.48
		For Installation In Concrete Or Steel, Add	*11.42*	
		For Window Top >10' Above Finished Floor, Add	*5.71*	
12 24 13 00-0184	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	63.71	2.87
		For Installation In Concrete Or Steel, Add	*2.86*	
		For Window Top >10' Above Finished Floor, Add	*1.43*	
12 24 13 00-0185	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	85.69	3.83
		For Installation In Concrete Or Steel, Add	*3.81*	
		For Window Top >10' Above Finished Floor, Add	*1.90*	
12 24 13 00-0186	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	105.45	4.78
		For Installation In Concrete Or Steel, Add	*4.76*	
		For Window Top >10' Above Finished Floor, Add	*2.38*	
12 24 13 00-0187	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	125.20	5.74
		For Installation In Concrete Or Steel, Add	*5.71*	
		For Window Top >10' Above Finished Floor, Add	*2.86*	
12 24 13 00-0188	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	147.19	6.69
		For Installation In Concrete Or Steel, Add	*6.67*	
		For Window Top >10' Above Finished Floor, Add	*3.33*	
12 24 13 00-0189	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	166.94	7.65
		For Installation In Concrete Or Steel, Add	*7.62*	
		For Window Top >10' Above Finished Floor, Add	*3.81*	
12 24 13 00-0190	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	188.91	8.61
		For Installation In Concrete Or Steel, Add	*8.57*	
		For Window Top >10' Above Finished Floor, Add	*4.28*	
12 24 13 00-0191	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	213.13	9.57
		For Installation In Concrete Or Steel, Add	*9.52*	
		For Window Top >10' Above Finished Floor, Add	*4.76*	
12 24 13 00-0192	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	230.65	10.52
		For Installation In Concrete Or Steel, Add	*10.47*	
		For Window Top >10' Above Finished Floor, Add	*5.24*	
12 24 13 00-0193	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	377.50	11.48
		For Installation In Concrete Or Steel, Add	*11.42*	
		For Window Top >10' Above Finished Floor, Add	*5.71*	
12 24 13 00-0194		**Room Darkening Sill And Side Channel** *(12 24 13 00-0009)*		
12 24 13 00-0195	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	48.44	8.61
		For Installation In Concrete Or Steel, Add	*8.57*	
		For Window Top >10' Above Finished Floor, Add	*4.28*	
12 24 13 00-0196	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	63.10	11.48
		For Installation In Concrete Or Steel, Add	*11.42*	
		For Window Top >10' Above Finished Floor, Add	*5.71*	
12 24 13 00-0197	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	82.24	14.36
		For Installation In Concrete Or Steel, Add	*14.29*	
		For Window Top >10' Above Finished Floor, Add	*7.14*	
12 24 13 00-0198	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	99.11	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0199	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	113.77	20.10
		For Installation In Concrete Or Steel, Add	*20.00*	
		For Window Top >10' Above Finished Floor, Add	*10.00*	
12 24 13 00-0200	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	130.66	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0201	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	147.55	25.84
		For Installation In Concrete Or Steel, Add	*25.71*	
		For Window Top >10' Above Finished Floor, Add	*12.85*	
12 24 13 00-0202	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	162.21	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0203	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	176.88	31.58
		For Installation In Concrete Or Steel, Add	*31.42*	
		For Window Top >10' Above Finished Floor, Add	*15.71*	
12 24 13 00-0204	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	193.77	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0205	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	48.44	8.61
		For Installation In Concrete Or Steel, Add	*8.57*	
		For Window Top >10' Above Finished Floor, Add	*4.28*	
12 24 13 00-0206	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	101.00	11.48
		For Installation In Concrete Or Steel, Add	*11.42*	
		For Window Top >10' Above Finished Floor, Add	*5.71*	
12 24 13 00-0207	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	126.83	14.36
		For Installation In Concrete Or Steel, Add	*14.29*	
		For Window Top >10' Above Finished Floor, Add	*7.14*	
12 24 13 00-0208	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	148.17	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0209	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	176.21	20.10
		For Installation In Concrete Or Steel, Add	*20.00*	
		For Window Top >10' Above Finished Floor, Add	*10.00*	
12 24 13 00-0210	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	199.79	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0211	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	236.74	25.84
		For Installation In Concrete Or Steel, Add	*25.71*	
		For Window Top >10' Above Finished Floor, Add	*12.85*	
12 24 13 00-0212	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	262.55	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0213	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	290.60	31.58
		For Installation In Concrete Or Steel, Add	*31.42*	
		For Window Top >10' Above Finished Floor, Add	*15.71*	
12 24 13 00-0214	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	314.18	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0215	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	61.82	8.61
		For Installation In Concrete Or Steel, Add	*8.57*	
		For Window Top >10' Above Finished Floor, Add	*4.28*	
12 24 13 00-0216	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	85.39	11.48
		For Installation In Concrete Or Steel, Add	*11.42*	
		For Window Top >10' Above Finished Floor, Add	*5.71*	
12 24 13 00-0217	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	106.76	14.36
		For Installation In Concrete Or Steel, Add	*14.29*	
		For Window Top >10' Above Finished Floor, Add	*7.14*	
12 24 13 00-0218	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	128.10	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0219	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	147.22	20.10
		For Installation In Concrete Or Steel, Add	*20.00*	
		For Window Top >10' Above Finished Floor, Add	*10.00*	
12 24 13 00-0220	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	168.57	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0221	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	189.92	25.84
		For Installation In Concrete Or Steel, Add	*25.71*	
		For Window Top >10' Above Finished Floor, Add	*12.85*	
12 24 13 00-0222	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	209.04	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0223	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	230.40	31.58
		For Installation In Concrete Or Steel, Add	*31.42*	
		For Window Top >10' Above Finished Floor, Add	*15.71*	
12 24 13 00-0224	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	253.97	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	
12 24 13 00-0225	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	108.64	8.61
		For Installation In Concrete Or Steel, Add	*8.57*	
		For Window Top >10' Above Finished Floor, Add	*4.28*	
12 24 13 00-0226	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	141.14	11.48
		For Installation In Concrete Or Steel, Add	*11.42*	
		For Window Top >10' Above Finished Floor, Add	*5.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0227	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	175.89	14.36
		For Installation In Concrete Or Steel, Add	*14.29*	
		For Window Top >10' Above Finished Floor, Add	*7.14*	
12 24 13 00-0228	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	215.06	17.24
		For Installation In Concrete Or Steel, Add	*17.14*	
		For Window Top >10' Above Finished Floor, Add	*8.57*	
12 24 13 00-0229	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	247.56	20.10
		For Installation In Concrete Or Steel, Add	*20.00*	
		For Window Top >10' Above Finished Floor, Add	*10.00*	
12 24 13 00-0230	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	284.52	22.98
		For Installation In Concrete Or Steel, Add	*22.85*	
		For Window Top >10' Above Finished Floor, Add	*11.43*	
12 24 13 00-0231	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	319.25	25.84
		For Installation In Concrete Or Steel, Add	*25.71*	
		For Window Top >10' Above Finished Floor, Add	*12.85*	
12 24 13 00-0232	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	356.20	28.72
		For Installation In Concrete Or Steel, Add	*28.56*	
		For Window Top >10' Above Finished Floor, Add	*14.28*	
12 24 13 00-0233	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	388.71	31.58
		For Installation In Concrete Or Steel, Add	*31.42*	
		For Window Top >10' Above Finished Floor, Add	*15.71*	
12 24 13 00-0234	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	423.44	34.45
		For Installation In Concrete Or Steel, Add	*34.28*	
		For Window Top >10' Above Finished Floor, Add	*17.14*	

12 25 Window Treatment Operating Hardware *(12 20)*

12 25 09 Window Treatment Control System *(12 25)*

12 25 09 00-0001 Motorized Lightproof Shades *(12 25 09)*

12 25 09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width	43.24	3.04

12 25 13 Motorized Drapery Rods *(12 25)*

12 25 13 00-0001 Motorized Drapery Track *(12 25 13)*

12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,504.54	143.65
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,571.79	158.03
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,639.05	172.39
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,706.33	186.76
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,773.59	201.12
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,840.85	215.48
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,908.12	229.85
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,975.38	244.21
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,042.63	258.59
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,109.89	272.95
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,177.16	287.32
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,244.42	301.68
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,311.68	316.04
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,378.95	330.41
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,446.21	344.77
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,513.46	359.15
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,580.73	373.51
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,648.00	387.88
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,715.26	402.24
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,782.52	416.60
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,849.79	430.97

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,304.50	305.27
		For 16 Gauge Stainless Steel, Add	*364.16*	
		For >5 To 9, Deduct	*-88.92*	
		For >9, Deduct	*-177.85*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,743.14	305.27
		For 16 Gauge Stainless Steel, Add	*673.47*	
		For >5 To 9, Deduct	*-164.45*	
		For >9, Deduct	*-328.90*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,471.68	305.27
		For 16 Gauge Stainless Steel, Add	*615.10*	
		For >5 To 9, Deduct	*-150.20*	
		For >9, Deduct	*-300.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	3,200.22	305.27
		For 16 Gauge Stainless Steel, Add	*556.74*	
		For >5 To 9, Deduct	*-135.95*	
		For >9, Deduct	*-271.90*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	3,108.10	305.27
		For 16 Gauge Stainless Steel, Add	*536.93*	
		For >5 To 9, Deduct	*-131.11*	
		For >9, Deduct	*-262.22*	
12 31 16 00-0009		**24" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	3,330.79	329.93
		For 16 Gauge Stainless Steel, Add	*574.14*	
		For >5 To 9, Deduct	*-140.20*	
		For >9, Deduct	*-280.40*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	2,999.55	329.93
		For 16 Gauge Stainless Steel, Add	*502.93*	
		For >5 To 9, Deduct	*-122.81*	
		For >9, Deduct	*-245.62*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	3,072.07	329.93
		For 16 Gauge Stainless Steel, Add	*518.52*	
		For >5 To 9, Deduct	*-126.62*	
		For >9, Deduct	*-253.23*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,409.19	329.93
		For 16 Gauge Stainless Steel, Add	*591.00*	
		For >5 To 9, Deduct	*-144.31*	
		For >9, Deduct	*-288.63*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,431.33	329.93
		For 16 Gauge Stainless Steel, Add	*810.76*	
		For >5 To 9, Deduct	*-197.98*	
		For >9, Deduct	*-395.95*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,869.39	329.93
		For 16 Gauge Stainless Steel, Add	*904.94*	
		For >5 To 9, Deduct	*-220.97*	
		For >9, Deduct	*-441.95*	
12 31 16 00-0016		**30" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,931.70	347.68
		For 16 Gauge Stainless Steel, Add	*480.87*	
		For >5 To 9, Deduct	*-117.42*	
		For >9, Deduct	*-234.84*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	4,260.58	347.68
		For 16 Gauge Stainless Steel, Add	*766.58*	
		For >5 To 9, Deduct	*-187.19*	
		For >9, Deduct	*-374.38*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	5,482.64	347.68
		For 16 Gauge Stainless Steel, Add	*1,029.32*	
		For >5 To 9, Deduct	*-251.35*	
		For >9, Deduct	*-502.69*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	5,044.58	347.68
		For 16 Gauge Stainless Steel, Add	*935.14*	
		For >5 To 9, Deduct	*-228.35*	
		For >9, Deduct	*-456.70*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,773.12	347.68
		For 16 Gauge Stainless Steel, Add	*876.77*	
		For >5 To 9, Deduct	*-214.10*	
		For >9, Deduct	*-428.19*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,671.60	347.68
		For 16 Gauge Stainless Steel, Add	*639.95*	
		For >5 To 9, Deduct	*-156.27*	
		For >9, Deduct	*-312.53*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,638.28	347.68
		For 16 Gauge Stainless Steel, Add	*632.78*	
		For >5 To 9, Deduct	*-154.52*	
		For >9, Deduct	*-309.03*	
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	3,238.70	361.48
		For 16 Gauge Stainless Steel, Add	*540.73*	
		For >5 To 9, Deduct	*-132.04*	
		For >9, Deduct	*-264.08*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,946.26	361.48
		For 16 Gauge Stainless Steel, Add	*692.86*	
		For >5 To 9, Deduct	*-169.19*	
		For >9, Deduct	*-338.37*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,685.58	361.48
		For 16 Gauge Stainless Steel, Add	*636.81*	
		For >5 To 9, Deduct	*-155.50*	
		For >9, Deduct	*-311.00*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,786.70	361.48
		For 16 Gauge Stainless Steel, Add	*1,088.55*	
		For >5 To 9, Deduct	*-265.81*	
		For >9, Deduct	*-531.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	5,349.62	361.48
		For 16 Gauge Stainless Steel, Add	*994.58*	
		For >5 To 9, Deduct	*-242.86*	
		For >9, Deduct	*-485.72*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	3,399.87	384.16
		For 16 Gauge Stainless Steel, Add	*565.77*	
		For >5 To 9, Deduct	*-138.15*	
		For >9, Deduct	*-276.30*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	6,103.69	384.16
		For 16 Gauge Stainless Steel, Add	*1,147.09*	
		For >5 To 9, Deduct	*-280.10*	
		For >9, Deduct	*-560.21*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,665.63	384.16
		For 16 Gauge Stainless Steel, Add	*1,052.90*	
		For >5 To 9, Deduct	*-257.10*	
		For >9, Deduct	*-514.21*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,211.89	384.16
		For 16 Gauge Stainless Steel, Add	*955.35*	
		For >5 To 9, Deduct	*-233.28*	
		For >9, Deduct	*-466.57*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	4,003.55	384.16
		For 16 Gauge Stainless Steel, Add	*695.56*	
		For >5 To 9, Deduct	*-169.85*	
		For >9, Deduct	*-339.69*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	4,260.31	384.16
		For 16 Gauge Stainless Steel, Add	*750.76*	
		For >5 To 9, Deduct	*-183.33*	
		For >9, Deduct	*-366.65*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	6,401.36	393.04
		For 16 Gauge Stainless Steel, Add	*1,207.40*	
		For >5 To 9, Deduct	*-294.83*	
		For >9, Deduct	*-589.66*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,964.28	393.04
		For 16 Gauge Stainless Steel, Add	*1,113.43*	
		For >5 To 9, Deduct	*-271.88*	
		For >9, Deduct	*-543.77*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,697.54	393.04
		For 16 Gauge Stainless Steel, Add	*626.08*	
		For >5 To 9, Deduct	*-152.88*	
		For >9, Deduct	*-305.76*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	5,510.54	393.04
		For 16 Gauge Stainless Steel, Add	*1,015.88*	
		For >5 To 9, Deduct	*-248.06*	
		For >9, Deduct	*-496.13*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	4,560.92	393.04
		For 16 Gauge Stainless Steel, Add	*811.71*	
		For >5 To 9, Deduct	*-198.21*	
		For >9, Deduct	*-396.41*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	4,490.36	393.04
		For 16 Gauge Stainless Steel, Add	*796.54*	
		For >5 To 9, Deduct	*-194.50*	
		For >9, Deduct	*-389.01*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	4,443.03	405.01
		For 16 Gauge Stainless Steel, Add	*781.18*	
		For >5 To 9, Deduct	*-190.75*	
		For >9, Deduct	*-381.51*	
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,784.85	116.22
		For 16 Gauge Stainless Steel, Add	*333.76*	
		For >5 To 9, Deduct	*-81.50*	
		For >9, Deduct	*-163.00*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,778.03	123.26
		For 16 Gauge Stainless Steel, Add	*329.26*	
		For >5 To 9, Deduct	*-80.40*	
		For >9, Deduct	*-160.80*	
12 31 16 00-0050		**18" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,871.12	124.95
		For 16 Gauge Stainless Steel, Add	*348.53*	
		For >5 To 9, Deduct	*-85.11*	
		For >9, Deduct	*-170.21*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,764.30	124.95
		For 16 Gauge Stainless Steel, Add	*325.56*	
		For >5 To 9, Deduct	*-79.50*	
		For >9, Deduct	*-158.99*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,069.52	135.94
		For 16 Gauge Stainless Steel, Add	*386.48*	
		For >5 To 9, Deduct	*-94.37*	
		For >9, Deduct	*-188.74*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,003.86	135.94
		For 16 Gauge Stainless Steel, Add	*372.36*	
		For >5 To 9, Deduct	*-90.92*	
		For >9, Deduct	*-181.85*	

12 31 16 00-0055 24" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,553.69	138.34
		For 16 Gauge Stainless Steel, Add	*274.58*	
		For >5 To 9, Deduct	*-67.05*	
		For >9, Deduct	*-134.10*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,112.29	138.34
		For 16 Gauge Stainless Steel, Add	*394.68*	
		For >5 To 9, Deduct	*-96.37*	
		For >9, Deduct	*-192.75*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,006.45	138.34
		For 16 Gauge Stainless Steel, Add	*371.92*	
		For >5 To 9, Deduct	*-90.82*	
		For >9, Deduct	*-181.64*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,988.59	129.18
		For 16 Gauge Stainless Steel, Add	*371.94*	
		For >5 To 9, Deduct	*-90.82*	
		For >9, Deduct	*-181.64*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,875.89	129.18
		For 16 Gauge Stainless Steel, Add	*347.71*	
		For >5 To 9, Deduct	*-84.91*	
		For >9, Deduct	*-169.81*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,404.11	129.18
		For 16 Gauge Stainless Steel, Add	*461.28*	
		For >5 To 9, Deduct	*-112.64*	
		For >9, Deduct	*-225.27*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,423.13	129.18
		For 16 Gauge Stainless Steel, Add	*250.37*	
		For >5 To 9, Deduct	*-61.14*	
		For >9, Deduct	*-122.27*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,339.97	123.26
		For 16 Gauge Stainless Steel, Add	*235.08*	
		For >5 To 9, Deduct	*-57.40*	
		For >9, Deduct	*-114.81*	

12 31 16 00-0064 30" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,741.28	146.93
		For 16 Gauge Stainless Steel, Add	*526.19*	
		For >5 To 9, Deduct	*-128.49*	
		For >9, Deduct	*-256.98*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,484.52	146.93
		For 16 Gauge Stainless Steel, Add	*470.99*	
		For >5 To 9, Deduct	*-115.01*	
		For >9, Deduct	*-230.02*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,668.18	146.93
		For 16 Gauge Stainless Steel, Add	*295.47*	
		For >5 To 9, Deduct	*-72.15*	
		For >9, Deduct	*-144.30*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,607.75	135.24
		For 16 Gauge Stainless Steel, Add	*502.49*	
		For >5 To 9, Deduct	*-122.70*	
		For >9, Deduct	*-245.40*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,350.99	135.24
		For 16 Gauge Stainless Steel, Add	*447.29*	
		For >5 To 9, Deduct	*-109.22*	
		For >9, Deduct	*-218.44*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,534.65	135.24
		For 16 Gauge Stainless Steel, Add	*271.78*	
		For >5 To 9, Deduct	*-66.36*	
		For >9, Deduct	*-132.73*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,451.04	128.90
		For 16 Gauge Stainless Steel, Add	*256.57*	
		For >5 To 9, Deduct	*-62.65*	
		For >9, Deduct	*-125.30*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,850.84	151.16
		For 16 Gauge Stainless Steel, Add	*547.94*	
		For >5 To 9, Deduct	*-133.80*	
		For >9, Deduct	*-267.60*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,588.20	151.16
		For 16 Gauge Stainless Steel, Add	*491.47*	
		For >5 To 9, Deduct	*-120.01*	
		For >9, Deduct	*-240.02*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,777.74	151.16
		For 16 Gauge Stainless Steel, Add	*317.22*	
		For >5 To 9, Deduct	*-77.46*	
		For >9, Deduct	*-154.92*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,715.97	138.34
		For 16 Gauge Stainless Steel, Add	*524.47*	
		For >5 To 9, Deduct	*-128.07*	
		For >9, Deduct	*-256.13*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,460.19	138.34
		For 16 Gauge Stainless Steel, Add	*469.47*	
		For >5 To 9, Deduct	*-114.64*	
		For >9, Deduct	*-229.28*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,642.87	138.34
		For 16 Gauge Stainless Steel, Add	*293.75*	
		For >5 To 9, Deduct	*-71.73*	
		For >9, Deduct	*-143.46*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,561.06	131.72
		For 16 Gauge Stainless Steel, Add	*278.98*	
		For >5 To 9, Deduct	*-68.12*	
		For >9, Deduct	*-136.25*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,986.32	190.18
		For 16 Gauge Stainless Steel, Add	*560.35*	
		For >5 To 9, Deduct	*-136.83*	
		For >9, Deduct	*-273.66*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,992.09	179.47
		For 16 Gauge Stainless Steel, Add	*566.17*	
		For >5 To 9, Deduct	*-138.25*	
		For >9, Deduct	*-276.50*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,731.41	179.47
		For 16 Gauge Stainless Steel, Add	*510.12*	
		For >5 To 9, Deduct	*-124.56*	
		For >9, Deduct	*-249.13*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,917.03	179.47
		For 16 Gauge Stainless Steel, Add	*335.03*	
		For >5 To 9, Deduct	*-81.81*	
		For >9, Deduct	*-163.62*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,821.94	150.73
		For 16 Gauge Stainless Steel, Add	*541.91*	
		For >5 To 9, Deduct	*-132.33*	
		For >9, Deduct	*-264.65*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,563.22	150.73
		For 16 Gauge Stainless Steel, Add	*486.28*	
		For >5 To 9, Deduct	*-118.74*	
		For >9, Deduct	*-237.49*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,748.84	150.73
		For 16 Gauge Stainless Steel, Add	*311.19*	
		For >5 To 9, Deduct	*-75.99*	
		For >9, Deduct	*-151.98*	

12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,627.01	190.18
		For 16 Gauge Stainless Steel, Add	*481.45*	
		For >5 To 9, Deduct	*-117.56*	
		For >9, Deduct	*-235.13*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	3,099.50	183.42
		For 16 Gauge Stainless Steel, Add	*587.52*	
		For >5 To 9, Deduct	*-143.46*	
		For >9, Deduct	*-286.93*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,842.74	183.42
		For 16 Gauge Stainless Steel, Add	*532.31*	
		For >5 To 9, Deduct	*-129.98*	
		For >9, Deduct	*-259.97*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	2,026.40	183.42
		For 16 Gauge Stainless Steel, Add	*356.80*	
		For >5 To 9, Deduct	*-87.13*	
		For >9, Deduct	*-174.25*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,928.50	152.14
		For 16 Gauge Stainless Steel, Add	*564.16*	
		For >5 To 9, Deduct	*-137.76*	
		For >9, Deduct	*-275.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,672.72	152.14
		For 16 Gauge Stainless Steel, Add	*509.17*	
		For >5 To 9, Deduct	*-124.33*	
		For >9, Deduct	*-248.67*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,855.40	152.14
		For 16 Gauge Stainless Steel, Add	*333.45*	
		For >5 To 9, Deduct	*-81.42*	
		For >9, Deduct	*-162.85*	
12 31 16 00-0096		Accessories *(12 31 16 00-0001)*		
12 31 16 00-0097		Stainless Steel Countertops *(12 31 16 00-0096)*		
		Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	130.06	7.75
		For 14 Gauge Stainless Steel, Add	*25.32*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	119.34	7.75
		For 14 Gauge Stainless Steel, Add	*22.95*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	214.18	
12 31 16 00-0101		Stainless Steel Wall Panels *(12 31 16 00-0096)*		
12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	45.15	11.55
		For 18 Gauge Stainless Steel, Add	*5.99*	
		For 16 Gauge Stainless Steel, Add	*11.54*	
12 31 16 00-0103		Pedestal Legs *(12 31 16 00-0096)*		
12 31 16 00-0104	EA	Type 304 Stainless Steel Pedestal Leg	389.35	17.61
12 31 16 00-0105		Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*		
12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	430.35	35.71

12 35 Specialty Casework *(12 30)*

12 35 59 Display Casework *(12 35)*

See CSI section 10 12 00 00-0000 for display cases.

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001		Operating Room Stainless Cabinets *(12 35 70 13)*		
12 35 70 13-0002	EA	18-3/4" Deep x 24-3/4" Wide x 84" High, Left Hinge Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5124LGAS) Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 18" deep cabinets (1 EA).	6,833.90	357.08
12 35 70 13-0003	EA	18-3/4" Deep x 36" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 519618DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (5 EA).	10,464.23	428.51
12 35 70 13-0004	EA	18-3/4" Deep x 49-1/2" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 514818DGAS) Note: Includes 9" wire basket (2 EA), 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (4 EA), and metal economy shelf for 18" deep cabinets (2 EA).	11,989.48	499.92
12 35 70 13-0005	EA	18-3/4" Deep x 36" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 519618DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (1 EA) and cath manager, 6 in-line hooks, includes hardware (7 EA).	10,484.27	428.51
12 35 70 13-0006	EA	24-3/4" Deep x 17-3/4" Wide x 84" High, Left Hinge Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5118LGAS) Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 24" deep cabinets (1 EA).	6,833.90	357.08
12 35 70 13-0007	EA	24-3/4" Deep x 34" Wide x 84" High, Glass Door, Stainless Cabinet (Stanley Healthcare 5136DGAS-NC) Note: Includes metal shelf, accepts cath managers (21-5/8" deep x 31" wide) (5 EA).	10,119.56	499.92
12 35 70 13-0008	EA	24-3/4" Deep x 34" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5136DGAS) Note: Includes 9" wire basket (2 EA), 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (4 EA), and metal economy shelf for 24" deep cabinets (2 EA).	11,989.48	499.92
12 35 70 13-0009	EA	24-3/4" Deep x 34" Wide x 84" High, Double Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 5136DGAS) Note: Includes 9" wire basket (1 EA), 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (2 EA), metal economy shelf for 24" deep cabinets (1 EA), metal shelf, accepts cath managers (21-5/8" deep x 14-3/4" wide) (1 EA), and cath manager, 8 in-line hooks, includes hardware (3 EA).	11,338.36	499.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0010	EA	18-3/4" Deep x 24-3/4" Wide x 60" High, Recessed, Left Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516024LGAS) Note: Includes 9" tray with 1 short and 1 long divider (1 EA), 6" tray with 2 short and 2 long dividers (4 EA), 3" tray with 3 short and 3 long dividers (1 EA), and metal economy shelf for 18" deep cabinets (1 EA).	6,607.03	428.51
12 35 70 13-0011	EA	18-3/4 Deep" x 36" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516036DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (4 EA).	9,819.03	499.92
12 35 70 13-0012	EA	18-3/4" Deep x 49-3/4" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516049DGAS) Note: Includes 9" tray with 1 short and 1 long divider (2 EA), 6" tray with 2 short and 2 long dividers (8 EA), 3" tray with 3 short and 3 long dividers (2 EA), and metal economy shelf for 18" deep cabinets (2 EA).	12,001.61	571.34
12 35 70 13-0013	EA	18-3/4" Deep x 36" Wide x 60" High, Recessed, Double Hinged Glass Doors, Cell System, Stainless Cabinet (Stanley Healthcare 516036DGAS) Note: Includes metal shelf for 18" deep x 36" wide cabinets, accepts cath managers (15-3/4" deep x 33" wide) (1 EA) and cath manager, 6 in-line hooks, includes hardware (7 EA).	10,079.49	499.92
12 35 70 13-0014		Hospital Cabinets *(12 35 70 13)*		
12 35 70 13-0015	LF	Hospital Base Cabinet, Laminated Plastic	648.31	114.27
12 35 70 13-0016	LF	Hospital Base Cabinet, Enameled Steel	747.95	114.27
12 35 70 13-0017	LF	Hospital Base Cabinet, Stainless Steel	1,129.57	114.27
12 35 70 13-0018	LF	Hospital Cabinet Base Trim, 4" High Enameled Steel	79.27	5.71
12 35 70 13-0019	LF	Hospital Cabinet Base Trim, 4" High Stainless Steel	165.14	5.71
12 35 70 13-0020	LF	Hospital Counter Top, Laminated Plastic Without Backsplash	133.46	28.56
12 35 70 13-0021	LF	Hospital Counter Top, Laminated Plastic With Backsplash	146.18	28.56
12 35 70 13-0022	LF	Hospital Counter Top, Stainless Steel	300.95	28.56
12 35 70 13-0023	LF	Hospital Wall Cabinet, Laminated Plastic	523.85	76.41
12 35 70 13-0024	LF	Hospital Wall Cabinet, Enameled Steel	629.85	76.41
12 35 70 13-0025	LF	Hospital Wall Cabinet, Stainless Steel	947.87	76.41
12 35 70 13-0026		Modular Casework *(12 35 70 13)* Note: Midmark.		
12 35 70 13-0027	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	979.43	98.29
12 35 70 13-0028	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	1,214.90	122.86
12 35 70 13-0029	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,701.69	98.29
12 35 70 13-0030	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve (Midmark MC-SBS009-363624)	1,954.49	122.86
12 35 70 13-0031	EA	36" High Base Storage Unit, 1 Door (Midmark MC-SBP006-243624)	1,108.00	98.29
12 35 70 13-0032	EA	36" High Base Storage Unit, 2 Doors (Midmark MC-SBP007-363624)	1,489.36	122.86
12 35 70 13-0033	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-153624)	1,112.33	98.29
12 35 70 13-0034	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-183624)	1,197.55	98.29
12 35 70 13-0035	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door (Midmark MC-SBP012-213624)	1,271.22	98.29
12 35 70 13-0036	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-303624)	1,589.03	122.86
12 35 70 13-0037	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors (Midmark MC-SBP013-363624)	1,613.58	122.86
12 35 70 13-0038	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-243624)	1,492.23	98.29
12 35 70 13-0039	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-303624)	1,733.48	122.86
12 35 70 13-0040	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors (Midmark MC-SBP020-363624)	1,786.92	122.86
12 35 70 13-0041	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-123624)	1,305.89	98.29
12 35 70 13-0042	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-153624)	1,343.45	98.29
12 35 70 13-0043	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers (Midmark MC-SBP024-183624)	1,440.23	98.29
12 35 70 13-0044	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-303624)	2,399.39	122.86
12 35 70 13-0045	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers (Midmark MC-SBP025-363624)	2,535.18	122.86
12 35 70 13-0046	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-153624)	1,684.35	98.29
12 35 70 13-0047	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-183624)	1,784.02	98.29
12 35 70 13-0048	EA	36" High Base Storage Unit, 5 4" Drawer (Midmark MC-SBP032-213624)	1,955.92	98.29
12 35 70 13-0049	EA	84" High Tall Storage Unit, 2 Doors (Midmark MC-STP032-368424)	3,426.55	294.87
12 35 70 13-0050	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors (Midmark MC-STP081-248424)	3,147.76	294.87
12 35 70 13-0051	EA	Desk Filler Panel (Midmark MC-SDA003-060501)	128.57	24.57
12 35 70 13-0052	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-123014)	713.65	98.29
12 35 70 13-0053	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-153014)	700.65	98.29
12 35 70 13-0054	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-183014)	746.87	98.29
12 35 70 13-0055	EA	30" High Overhead Unit, 1 Door (Midmark MC-SOHO41-213014)	808.98	98.29
12 35 70 13-0056	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-243014)	879.76	98.29
12 35 70 13-0057	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-303014)	1,006.89	122.86
12 35 70 13-0058	EA	30" High Overhead Unit, 2 Doors (Midmark MC-SOHO42-363014)	1,092.12	122.86
12 35 70 13-0059	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-303014)	1,340.57	122.86
12 35 70 13-0060	EA	30" High Overhead Unit, 2 Window Doors (Midmark MC-SOHO44-363014)	1,490.80	122.86
12 35 70 13-0061	LF	19" Self Edge Laminate Countertop With Backsplash	187.54	21.42
12 35 70 13-0062	LF	25" Self Edge Laminate Countertop With Backsplash	365.60	28.55
12 35 70 13-0063	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	46.77	17.86

12 35 70 19 Exam Room Casework *(12 35 70)*

12 35 70 19-0001 Medical Exam Room Cabinetwork *(12 35 70 19)*

12 35 70 19-0002 Medical Exam Room Wall Cabinets *(12 35 70 19-0001)*

12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) *(12 35 70 19-0002)*
Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	569.85	44.26
		For Additional Shelf, Add	*50.04*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.13*	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	619.89	44.26
		For Additional Shelf, Add	*50.04*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.13*	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	1,004.42	57.83
		For Additional Shelf, Add	*50.04*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.67*	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	1,093.54	60.69
		For Additional Shelf, Add	*50.04*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.79*	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	1,206.95	64.97
		For Additional Shelf, Add	*50.04*	
		For Lock And Inside Latch Combo For Double Doors, Add	*116.96*	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	1,363.24	69.25
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*79.01*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.13*	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	1,568.63	74.25
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*79.21*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.33*	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	1,660.58	78.54
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*79.38*	
		For Lock And Inside Latch Combo For Double Doors, Add	*117.50*	

12 35 70 19-0012 Medical Exam Room Base Cabinets *(12 35 70 19-0001)*

12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®) *(12 35 70 19-0012)*

Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,898.31	109.23
		For Lock For Single Door/Drawer, Add	*80.60*	
		For Soft Edge Top, Add	*583.78*	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,962.64	109.23
		For Lock For Single Door/Drawer, Add	*80.60*	
		For Soft Edge Top, Add	*583.78*	
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	2,200.92	109.23
		For Lock For Single Door/Drawer, Add	*80.60*	
		For Soft Edge Top, Add	*583.78*	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	2,219.98	109.23
		For Lock For Single Door/Drawer, Add	*80.60*	
		For Soft Edge Top, Add	*583.78*	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	2,505.91	109.23
		For Lock For Single Door/Drawer, Add	*80.60*	
		For Soft Edge Top, Add	*583.78*	

12 35 70 19-0019 Medical Exam Room Base Cabinets (Clinton Industries®) *(12 35 70 19-0012)*

Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.

12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76) Note: Includes stainless steel sink and faucet.	1,012.23	178.48
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*83.35*	
		For Lock And Inside Latch Combo For Double Doors, Add	*121.47*	
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	1,338.36	109.23
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*80.60*	
		For Lock And Inside Latch Combo For Double Doors, Add	*118.72*	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,925.44	122.80
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*81.14*	
		For Lock And Inside Latch Combo For Double Doors, Add	*119.26*	
12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)	2,083.63	132.79
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*81.53*	
		For Lock And Inside Latch Combo For Double Doors, Add	*119.65*	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)	2,275.17	149.93
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*82.22*	
		For Lock And Inside Latch Combo For Double Doors, Add	*120.34*	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)	2,735.01	160.63
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*82.64*	
		For Lock And Inside Latch Combo For Double Doors, Add	*120.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)	3,020.92	171.35
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*83.07*	
		For Lock And Inside Latch Combo For Double Doors, Add	*121.19*	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)	3,230.41	249.87
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*86.19*	
		For Lock And Inside Latch Combo For Double Doors, Add	*124.31*	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)	3,221.05	182.05
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*83.50*	
		For Lock And Inside Latch Combo For Double Doors, Add	*121.62*	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)	3,697.39	264.16
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*50.04*	
		For Lock For Single Door/Drawer, Add	*86.76*	
		For Lock And Inside Latch Combo For Double Doors, Add	*124.88*	

12 35 70 19-0030 Medical Exam Room Cabinet Combinations *(12 35 70 19-0001)*

12 35 70 19-0031 Medical Exam Room Cabinet Combinations (Ritter®) *(12 35 70 19-0030)*

Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.

12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	3,087.54	214.18
		For Locks On Single Drawer And All Doors, Add	*758.60*	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	3,180.46	214.18
		For Locks On Single Drawer And All Doors, Add	*758.60*	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,866.55	271.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*762.01*	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	3,999.98	271.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*762.01*	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,561.71	214.18
		For Locks On Single Drawer And All Doors, Add	*758.60*	
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	3,657.02	214.18
		For Locks On Single Drawer And All Doors, Add	*758.60*	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,624.27	271.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*762.01*	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	4,714.81	271.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*762.01*	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	4,033.49	214.18
		For Locks On Single Drawer And All Doors, Add	*758.60*	
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	4,133.57	214.18
		For Locks On Single Drawer And All Doors, Add	*758.60*	
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	5,098.44	271.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*762.01*	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	5,196.13	271.29
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*762.01*	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,567.16	242.74
		For Locks On Single Drawer And All Doors, Add	*760.30*	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	4,657.70	242.74
		For Locks On Single Drawer And All Doors, Add	*760.30*	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	5,629.72	299.86
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*763.71*	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	5,736.94	299.86
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*763.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*
Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	20.75	14.28
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	28.10	14.28
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	34.36	4.28
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	118.99	

12 36 53 Laboratory Countertops *(12 36)*

12 36 53 00-0001 Epoxy Resin Laboratory Countertops *(12 36 53)*
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	64.54	7.14
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	66.58	7.14
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	80.66	7.14
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	25.00	4.28
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	33.22	4.28

12 36 53 00-0007 Epoxy Resin Laboratory Sinks *(12 36 53)*
Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink *(12 36 53 00-0007)*

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	644.60	128.03
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	654.85	128.03
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	764.41	128.03
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	654.85	128.03
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	695.19	138.79
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	731.71	138.79
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,490.48	138.79
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	815.16	138.79
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	845.07	148.36
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,033.39	148.36
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,234.20	148.36
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,667.57	148.36
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,381.71	148.36
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,864.05	148.36
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	3,913.12	151.95

12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink *(12 36 53 00-0007)*

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	643.07	128.03
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	644.58	128.03
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	749.63	128.03
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	654.85	128.03
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	689.01	128.03
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	689.01	128.03
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	695.19	138.79
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	731.71	138.79
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	752.62	138.79
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	757.83	138.79
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	884.05	138.79
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	913.96	148.36
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	933.39	148.36
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	939.99	148.36
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	1,376.64	148.36
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	652.69	126.83
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	670.39	126.83

12 36 53 00-0042 Epoxy Resin Laboratory ADA Drop-in Sink *(12 36 53 00-0007)*

12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	648.87	126.83
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	697.23	126.83
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	721.94	126.83
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	939.99	148.36

12 36 53 00-0047 Epoxy Resin Laboratory Cup Sink *(12 36 53 00-0007)*

12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	427.71	102.89

12 36 53 00-0049 Polypropylene Laboratory Countertops *(12 36 53)*
Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	30.35	7.14
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	33.37	7.14
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	37.24	7.14
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	13.60	4.28
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	16.12	4.28
12 36 53 00-0055		Polypropylene Laboratory Sinks *(12 36 53)*		
		Note: Includes cut out for sinks, and sink strainer assembly set.		
12 36 53 00-0056		Polypropylene Laboratory Undermount Sink *(12 36 53 00-0055)*		
12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	751.03	128.03
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	793.43	128.03
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	783.01	128.03
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	823.34	138.79
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	1,025.70	138.79
12 36 53 00-0062	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,036.26	138.79
12 36 53 00-0063	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	1,036.26	138.79
12 36 53 00-0064	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	1,108.81	148.36
12 36 53 00-0065	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	1,162.31	148.36
12 36 53 00-0066	EA	23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,108.81	148.36
12 36 53 00-0067	EA	30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,747.91	148.36
12 36 53 00-0068	EA	31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,738.41	148.36
12 36 53 00-0069	EA	42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	3,078.23	151.95
12 36 53 00-0070		Polypropylene Laboratory Drop-in Sink *(12 36 53 00-0055)*		
12 36 53 00-0071	EA	11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	644.57	128.03
12 36 53 00-0072	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	1,046.72	128.03
12 36 53 00-0073	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	686.92	128.03
12 36 53 00-0074	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	676.52	128.03
12 36 53 00-0075	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	929.78	138.79
12 36 53 00-0076	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	716.83	138.79
12 36 53 00-0077	EA	18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	929.78	138.79
12 36 53 00-0078	EA	16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	908.37	138.79
12 36 53 00-0079	EA	18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	887.57	138.79
12 36 53 00-0080	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	929.78	138.79
12 36 53 00-0081	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	1,002.32	148.36
12 36 53 00-0082	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,055.80	148.36
12 36 53 00-0083	EA	31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,578.14	148.36
12 36 53 00-0084	EA	12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	601.37	126.83
12 36 53 00-0085		Polypropylene Laboratory ADA Drop-in Sink *(12 36 53 00-0055)*		
12 36 53 00-0086	EA	16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	887.57	138.79
12 36 53 00-0087	EA	25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	1,031.84	148.36
12 36 53 00-0088		Polypropylene Laboratory Cup Sink *(12 36 53 00-0055)*		
12 36 53 00-0089	EA	6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	467.85	126.83
12 36 53 00-0090		Phenolic Resin Laboratory Countertops *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	53.36	7.14
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	60.14	7.14
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	64.87	7.14
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	20.53	4.28
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	26.44	4.28
12 36 53 00-0096		High Pressure Laminate Laboratory Countertops *(12 36 53)*		
		Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.		
12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	31.40	7.14
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	32.96	7.14
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	32.96	7.14
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	17.43	4.28
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	17.43	4.28

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Surface Countertops *(12 36 61 16)*

12 36 61 16-0002 Solid Surface Countertops *(12 36 61 16-0001)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	54.32	9.53
		For Up To 50, Add	*17.80*	
		For >50 To 100, Add	*10.26*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	78.74	14.28
		For Up To 50, Add	*25.52*	
		For >50 To 100, Add	*14.99*	
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	99.25	14.28
		For Up To 50, Add	*32.60*	
		For >50 To 100, Add	*18.72*	
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	95.09	14.28
		For Up To 50, Add	*30.43*	
		For >50 To 100, Add	*18.26*	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops	31.13	6.07
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop Note: Not including integral seamed sinks	214.18	
12 36 61 16-0009		Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0010	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	313.14	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	383.10	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	292.79	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	281.34	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	383.10	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	383.10	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	383.10	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	383.10	
12 36 61 16-0018		Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0019	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	415.71	
12 36 61 16-0020	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	638.32	
12 36 61 16-0021	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	816.41	
12 36 61 16-0022	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	874.92	
12 36 61 16-0023	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	874.92	
12 36 61 19		**Quartz Agglomerate Countertops** *(12 36 61)*		
12 36 61 19-0001		Quartz Agglomerate Countertops *(12 36 61 19)* Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	86.82	19.99
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	104.99	19.99
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	97.06	22.85
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	115.21	22.85
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	19.32	6.07
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	214.18	

12 40 Furnishings and Accessories *(12)*

12 41 Office Accessories *(12 40)*

12 41 11 Office Accessories *(12 41)*

12 41 11 00-0001		Wall Mounted Office Accessories *(12 41 11)*		
12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	27.78	4.65
12 41 11 00-0003	EA	Wall Mounted Flag	20.74	4.65
12 41 11 00-0004		Desk Edge Mounted Clamps *(12 41 11)*		
12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.	42.75	
		For >10 To 50, Deduct	*-10.45*	
		For >50, Deduct	*-16.72*	

12 48 Rugs and Mats *(12 40)*

12 48 13 Entrance Floor Mats and Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0001		Floor Mats *(12 48 13 13)*		
12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat	32.09	3.04
		For Colors, Add	*5.20*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat	40.09	3.04
		For Colors, Add	*6.80*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	34.09	3.04
		For Colors, Add	*5.60*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	42.09	3.04
		For Colors, Add	*7.20*	
12 48 13 13-0006		Link Mats *(12 48 13 13)*		
		Note: Includes nosing.		
12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	64.10	3.04
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	33.59	3.04
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	22.99	3.04
12 48 13 13-0010	SF	Vinyl Link Mats, Color	36.56	3.04
12 48 13 13-0011	LF	Rubber Nosing	5.33	1.33
12 48 13 13-0012		Duckboard *(12 48 13 13)*		
12 48 13 13-0013	SF	Aluminum Slats	93.50	3.71
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	17.66	3.71
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	19.17	3.71
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	25.85	3.71
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	22.34	3.71
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	34.13	3.71
12 48 13 16		**Entrance Floor Mat Frames** *(12 48 13)*		
12 48 13 16-0001		Recessed Frames *(12 48 13 16)*		
12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	38.75	5.71
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	16.89	5.71

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001		Wall Mounted Single Bunks *(12 55 13)*		
		Note: 14 Gauge center pan, 7 gauge bracket, painted.		
12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	510.75	91.94
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	579.54	91.94
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	627.70	91.94
12 55 13 00-0005		Floor Supported Single Bunks *(12 55 13)*		
		Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	510.75	91.94
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	579.54	91.94
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	627.70	91.94
12 55 13 00-0009		Floor Mounted Single Bunks *(12 55 13)*		
		Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0010	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	510.75	91.94
12 55 13 00-0011	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	579.54	91.94
12 55 13 00-0012	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	627.70	91.94
12 55 13 00-0013		Single Stackable Bunks *(12 55 13)*		
		Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0014	EA	26" Wide x 76" Long x 32" High Stackable Bunk	524.50	91.94
12 55 13 00-0015	EA	31" Wide x 76" Long x 32" High Stackable Bunk	545.14	91.94
12 55 13 00-0016		Double Bunks *(12 55 13)*		
		Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0017	EA	27" Wide x 80" Long x 52" High Double Bunk	916.03	122.59
12 55 13 00-0018	EA	32" Wide x 80" Long x 52" High Double Bunk	929.79	122.59
12 55 13 00-0019	EA	38" Wide x 80" Long x 52" High Double Bunk	988.27	122.59
12 55 13 00-0020		Non-Removable Storage Drawers For Bunks/Beds *(12 55 13)*		
		Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0021	EA	16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer	226.09	45.97
12 55 13 00-0022	EA	24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer	369.82	49.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0023		**Expanded Metal Convertible Beds** *(12 55 13)* Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0024	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	526.06	91.94
12 55 13 00-0025	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	554.59	91.94
12 55 13 00-0026	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	583.10	91.94
12 55 13 00-0027	EA	Adapter Kit For Converting Single Bed To Double Deck	73.41	
12 55 16		**Detention Desks** *(12 55)*		
12 55 16 00-0001		**Heavy-Duty Desk With Swing Arm Seat** *(12 55 16)* Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.		
12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	792.83	98.07
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	985.68	98.07
12 55 19		**Detention Stools** *(12 55)*		
12 55 19 00-0001		**Heavy-Duty Steel Bench** *(12 55 19)* Note: 10 Gauge formed steel seat with rounded corners and edges, painted.		
12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	487.74	73.56
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	589.43	79.68
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	653.18	85.81
12 55 19 00-0005		**Stationary Stools** *(12 55 19)* Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.		
12 55 19 00-0006	EA	12" Diameter x 18" High, Stainless Steel Stationary Stool	372.46	73.56
12 55 19 00-0007	EA	Up To 20, 8" x 8" x 20" High, Floor Mounted Stool	366.53	51.39
12 55 19 00-0008	EA	>20, 8" x 8" x 20" High, Floor Mounted Stool	392.12	51.39
12 55 19 00-0009	EA	Up To 20, Wall Mounted Swivel Stool	509.90	64.23
12 55 19 00-0010	EA	>20, Wall Mounted Swivel Stool	414.54	64.23
12 55 19 00-0011		**Cell Bench** *(12 55 19)* Note: 1-3/4" Thick red oak bench top, polyurethane finish.		
12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	450.93	73.67
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	542.95	79.68
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	601.12	85.81
12 55 23		**Detention Tables** *(12 55)*		
12 55 23 00-0001		**Wall Mounted Table And Seat Set** *(12 55 23)* Note: 7 Gauge steel, painted.		
12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	224.58	52.10
12 55 23 00-0003		**Heavy-Duty Picnic Style Table** *(12 55 23)* Note: 10 Gauge steel, painted.		
12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,301.91	91.94
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,658.14	98.07
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,848.54	107.27
12 55 23 00-0007		**Heavy-Duty Picnic Style Table** *(12 55 23)* Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.		
12 55 23 00-0008	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,247.87	91.94
12 55 23 00-0009	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,206.07	98.07
12 55 23 00-0010	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,396.47	107.27
12 55 23 00-0011		**Heavy-Duty Pedestal Style Table** *(12 55 23)* Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0012	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	1,150.79	76.62
12 55 23 00-0013	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	1,868.20	82.75
12 55 23 00-0014	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	2,763.84	91.94
12 55 23 00-0015	EA	12" Diameter Stainless Steel Replacement Seat	89.98	12.26
12 55 23 00-0016		**Heavy-Duty Pedestal Style Table** *(12 55 23)* Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.		
12 55 23 00-0017	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	1,443.18	76.62
12 55 23 00-0018	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	2,487.38	82.75
12 55 23 00-0019	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	3,606.61	91.94
12 55 23 00-0020	EA	12" Diameter Gray-Primed Steel Replacement Seats	64.29	12.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 26		**Detention Safety Clothes Hooks** *(12 55)*		
12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	86.18	28.17
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	75.42	24.52
12 55 26 00-0003	EA	8" x 18" Storage Shelf Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.	367.20	49.03
12 55 86		**Detention Control Room Furniture** *(12 55)*		
12 55 86 00-0001	EA	22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount	289.11	105.66
12 56		**Institutional Furniture** *(12 50)*		
12 56 53		**Laboratory Furniture** *(12 56)*		
12 56 53 00-0001		Steel Laboratory Furniture *(12 56 53)*		
12 56 53 00-0002		Modular Steel Laboratory Cabinets *(12 56 53 00-0001)*		
12 56 53 00-0003		29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,421.34	123.40
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,418.44	123.40
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,551.17	134.69
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,472.86	134.69
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,751.27	151.98
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,807.39	156.97
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,993.40	173.11
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	2,070.62	179.83
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,010.95	174.54
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,017.99	175.25
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,133.78	185.26
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,088.11	181.26
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,790.13	242.24
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,842.34	246.82
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	3,137.49	272.39
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	3,186.96	276.67
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	2,920.15	253.53
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	3,249.66	282.24
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	3,151.06	282.24
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,950.61	255.68
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,924.51	255.68
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,158.57	274.24
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,135.45	273.81
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,431.49	297.66
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,534.01	306.81
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,867.18	335.66
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,958.08	343.66
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,302.50	286.66
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,105.96	269.67
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,509.51	304.66
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,337.55	289.81
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,744.90	325.09
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,744.90	325.09
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,098.71	355.80
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,951.74	343.09
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,590.46	398.51
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,607.86	398.65
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	5,004.65	434.50
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	5,053.79	438.78
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,618.79	487.78
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,794.32	503.06
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,491.85	502.78
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	6,141.51	533.20
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	6,001.25	521.05
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,667.20	231.54
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,594.69	232.11
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,783.02	241.53
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,710.52	241.53
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,737.56	324.52
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	3,232.23	280.53
12 56 53 00-0054		35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,488.03	129.27
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,479.33	129.27
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,572.29	136.55
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,519.63	132.12
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,800.38	156.40
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,888.12	163.54
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	2,014.46	174.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	2,091.67	182.11
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,109.23	182.82
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,109.23	182.82
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,239.07	194.26
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,210.38	197.11
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	2,923.41	253.53
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	3,000.61	259.96
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	3,225.28	279.96
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	3,298.95	286.38
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	3,249.84	282.10
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	3,341.10	289.95
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,565.42	309.23
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,853.07	334.23
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	3,827.34	334.23
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,505.99	303.52
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,892.09	304.95
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,684.98	319.95
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	3,624.08	319.95
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	4,060.48	352.52
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	4,221.98	366.51
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	4,484.37	389.37
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	4,590.46	398.51
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,737.91	324.24
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	3,993.75	346.37
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,018.11	348.52
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,172.74	362.09
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,818.56	418.50
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	4,983.46	432.79
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	5,232.51	454.21
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	5,236.33	454.21
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,853.93	508.49
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	5,902.70	512.06
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	6,022.92	522.77
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	6,351.73	552.05
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	6,372.21	553.48
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,464.64	561.19
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,769.80	587.76
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	6,899.57	599.04
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	7,075.07	614.19
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	7,268.45	631.04
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,723.48	236.39
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,772.37	240.68
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,783.02	241.39
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,845.92	247.10
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,744.90	325.09
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	3,857.23	334.80
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	4,130.52	358.66
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	4,190.04	363.52
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	3,885.49	337.08
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	3,604.92	312.80
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,912.66	166.11
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,937.25	168.11
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,017.99	174.97
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,024.99	175.69
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,649.72	230.11
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,709.39	235.25
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,888.28	250.67
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,898.82	251.67
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,348.04	290.66
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,684.98	319.95
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	3,853.44	334.52
12 56 53 00-0123		**25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets** *(12 56 53 00-0002)*		
12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,414.33	122.84
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,459.94	126.69
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,470.47	127.70
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,509.09	130.97
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,579.29	137.12
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,614.38	140.12
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,758.26	152.69
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,779.33	154.40
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,091.67	181.54
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,144.30	186.11
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,193.45	190.39
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,239.07	194.40
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,723.42	236.39
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,758.51	239.53
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,007.64	261.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,018.18	262.10
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,446.11	212.39
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,526.84	219.39
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,568.93	222.96
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,614.58	226.96
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,663.93	318.09
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,737.68	324.52
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,955.18	343.37
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	4,025.41	349.51
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,348.04	290.66
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,706.07	321.80
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,824.69	236.39
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	2,861.09	239.53
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,119.49	261.11
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,130.42	261.96
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,800.18	318.09
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,876.67	324.52
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,102.27	343.37
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,175.10	349.51
12 56 53 00-0158		31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets *(12 56 53 00-0002)*		
12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,544.19	134.26
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,589.81	137.83
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,596.83	138.55
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,614.38	139.97
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,716.17	149.26
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,765.29	152.83
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	2,095.17	182.11
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	2,140.82	185.68
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,179.43	189.26
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,235.54	194.26
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,274.18	197.82
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,382.98	206.39
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,944.52	255.68
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,986.60	259.25
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,319.96	288.52
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,386.63	294.23
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,593.50	224.96
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,670.77	231.40
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,709.32	234.96
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,779.53	241.39
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,783.26	327.80
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	3,892.06	337.80
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	4,534.23	393.51
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	4,312.52	349.23
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	3,705.95	322.09
12 56 53 00-0184	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	4,411.43	383.50
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,054.02	255.68
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,097.66	259.25
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,443.42	288.24
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	3,512.57	293.95
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	3,923.94	328.52
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,036.79	337.95
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,702.85	393.65
12 56 53 00-0192	EA	48" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	4,475.13	349.51
12 56 53 00-0193		Wood Laboratory Furniture *(12 56 53)*		
		Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.		
12 56 53 00-0194		Wood Laboratory Cabinets *(12 56 53 00-0193)*		
12 56 53 00-0195		28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets *(12 56 53 00-0194)*		
12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,058.95	112.84
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,093.31	116.41
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,127.63	119.98
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,161.97	124.27
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,290.82	137.83
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,376.67	146.41
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,439.64	152.83
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	1,516.93	161.40
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,287.95	137.12
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,333.75	142.11
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,362.35	144.98
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,399.53	149.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,800.31	191.40
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,911.58	203.54
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,974.83	209.97
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	2,052.39	218.54
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,891.64	201.39
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,957.93	208.54
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	2,009.22	214.25
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	2,077.97	220.68
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,923.34	204.25
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,000.63	213.54
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,057.86	219.25
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,123.70	226.39
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,008.14	319.95
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,188.29	339.23
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,254.07	346.37
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	3,382.96	359.94
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,445.99	366.37
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,606.21	384.23
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,711.99	395.65
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	3,840.87	409.22
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,425.30	152.12
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,476.83	157.83
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,508.31	160.68
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,551.26	164.98
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,301.10	244.96
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,407.03	256.24
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,475.69	263.53
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	2,564.46	272.96
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	3,005.20	319.95
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	3,331.40	354.94
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,173.45	124.98
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,210.66	128.83
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,233.55	131.27
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,262.17	134.40
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,617.07	172.12
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,700.07	180.97
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,748.74	186.11
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,800.23	191.68

12 56 53 00-0246 35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets *(12 56 53 00-0194)*

12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,855.30	197.48
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,402.88	255.34
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,419.81	257.56
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	2,790.88	297.07
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,041.45	323.73
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,412.47	363.23
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	3,650.37	388.55
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	4,322.68	460.11
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,235.87	237.39
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	3,079.46	327.77
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	3,203.17	340.95
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer	3,580.59	381.12

12 56 53 00-0259 30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,259.33	134.26
		For 36" Height Cabinet, Add	*183.37*	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,307.97	138.55
		For 36" Height Cabinet, Add	*190.46*	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,342.32	142.84
		For 36" Height Cabinet, Add	*195.46*	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,224.96	129.98
		For 36" Height Cabinet, Add	*178.37*	
12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,408.17	149.98
		For 36" Height Cabinet, Add	*205.04*	
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,525.51	162.11
		For 36" Height Cabinet, Add	*222.13*	
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,594.19	169.97
		For 36" Height Cabinet, Add	*232.13*	
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,688.65	179.25
		For 36" Height Cabinet, Add	*245.89*	
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,382.40	147.12
		For 36" Height Cabinet, Add	*201.29*	
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,445.36	154.26
		For 36" Height Cabinet, Add	*210.46*	
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	3,341.96	1,614.03
		For 36" Height Cabinet, Add	*22.05*	
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,554.12	164.98
		For 36" Height Cabinet, Add	*226.30*	
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,032.12	216.39
		For 36" Height Cabinet, Add	*295.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,189.52	232.82
		For 36" Height Cabinet, Add	*318.82*	
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,289.67	244.24
		For 36" Height Cabinet, Add	*333.41*	
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,409.86	256.39
		For 36" Height Cabinet, Add	*350.91*	
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,548.38	164.98
		For 36" Height Cabinet, Add	*225.47*	
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,608.50	171.40
		For 36" Height Cabinet, Add	*234.22*	
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,654.27	175.69
		For 36" Height Cabinet, Add	*240.88*	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,717.25	182.82
		For 36" Height Cabinet, Add	*250.05*	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,366.95	252.10
		For 36" Height Cabinet, Add	*344.66*	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,518.66	267.81
		For 36" Height Cabinet, Add	*366.75*	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,587.28	275.67
		For 36" Height Cabinet, Add	*376.75*	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,744.72	292.09
		For 36" Height Cabinet, Add	*399.67*	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,118.01	224.96
		For 36" Height Cabinet, Add	*308.40*	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,286.50	243.53
		For 36" Height Cabinet, Add	*332.99*	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,441.22	259.96
		For 36" Height Cabinet, Add	*355.49*	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,612.95	278.53
		For 36" Height Cabinet, Add	*380.50*	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,559.03	272.09
		For 36" Height Cabinet, Add	*372.58*	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,719.22	289.24
		For 36" Height Cabinet, Add	*395.92*	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,804.82	298.53
		For 36" Height Cabinet, Add	*408.42*	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,959.33	314.95
		For 36" Height Cabinet, Add	*430.93*	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	3,119.96	332.09
		For 36" Height Cabinet, Add	*454.27*	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	3,248.35	346.37
		For 36" Height Cabinet, Add	*473.02*	

12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,556.98	165.69
		For 36" Height Cabinet, Add	*226.72*	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,705.81	181.40
		For 36" Height Cabinet, Add	*248.39*	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,788.81	190.69
		For 36" Height Cabinet, Add	*260.47*	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,900.45	201.39
		For 36" Height Cabinet, Add	*276.73*	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,448.23	154.26
		For 36" Height Cabinet, Add	*210.88*	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,525.51	162.83
		For 36" Height Cabinet, Add	*222.13*	
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,571.23	167.83
		For 36" Height Cabinet, Add	*228.80*	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,637.12	173.54
		For 36" Height Cabinet, Add	*238.39*	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,149.49	228.53
		For 36" Height Cabinet, Add	*312.98*	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,332.62	247.81
		For 36" Height Cabinet, Add	*339.66*	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,435.65	259.96
		For 36" Height Cabinet, Add	*354.66*	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,572.97	273.52
		For 36" Height Cabinet, Add	*374.66*	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,619.93	172.83
		For 36" Height Cabinet, Add	*235.88*	
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,668.62	177.83
		For 36" Height Cabinet, Add	*242.97*	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,722.95	182.82
		For 36" Height Cabinet, Add	*250.89*	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,811.70	192.83
		For 36" Height Cabinet, Add	*263.81*	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,470.02	262.81
		For 36" Height Cabinet, Add	*359.66*	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,664.64	283.53
		For 36" Height Cabinet, Add	*388.00*	
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,747.54	292.81
		For 36" Height Cabinet, Add	*400.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	2,925.05	311.38
		For 36" Height Cabinet, Add	*425.93*	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,218.20	235.68
		For 36" Height Cabinet, Add	*322.99*	
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,452.50	261.39
		For 36" Height Cabinet, Add	*357.16*	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,575.73	274.24
		For 36" Height Cabinet, Add	*375.08*	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	2,753.49	293.52
		For 36" Height Cabinet, Add	*400.92*	
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,673.58	284.24
		For 36" Height Cabinet, Add	*389.25*	
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,842.30	302.10
		For 36" Height Cabinet, Add	*413.84*	
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,956.53	314.95
		For 36" Height Cabinet, Add	*430.51*	
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	3,116.72	331.37
		For 36" Height Cabinet, Add	*453.85*	
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	3,265.91	347.80
		For 36" Height Cabinet, Add	*475.52*	
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	3,371.34	359.22
		For 36" Height Cabinet, Add	*490.94*	

12 56 53 00-0325 Plastic Laminate Laboratory Furniture *(12 56 53)*

12 56 53 00-0326 Plastic Laminate Laboratory Cabinets *(12 56 53 00-0325)*

12 56 53 00-0327 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet *(12 56 53 00-0326)*

12 56 53 00-0328	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,083.89	112.70
12 56 53 00-0329	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,119.05	116.41
12 56 53 00-0330	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,154.18	119.98
12 56 53 00-0331	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,189.33	123.70
12 56 53 00-0332	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,321.21	137.41
12 56 53 00-0333	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,409.08	146.55
12 56 53 00-0334	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,473.53	153.26
12 56 53 00-0335	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	1,552.65	161.55
12 56 53 00-0336	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,318.28	137.12
12 56 53 00-0337	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,365.15	141.97
12 56 53 00-0338	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,394.43	144.98
12 56 53 00-0339	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,432.48	148.97
12 56 53 00-0340	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,842.70	191.68
12 56 53 00-0341	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,956.59	203.39
12 56 53 00-0342	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	2,021.33	210.25
12 56 53 00-0343	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	2,100.70	218.54
12 56 53 00-0344	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,936.18	201.25
12 56 53 00-0345	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	2,004.01	208.54
12 56 53 00-0346	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	2,056.53	213.96
12 56 53 00-0347	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	2,126.89	221.25
12 56 53 00-0348	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,968.62	204.68
12 56 53 00-0349	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	2,047.73	212.97
12 56 53 00-0350	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	2,106.31	219.11
12 56 53 00-0351	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	2,173.70	226.11
12 56 53 00-0352	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,577.96	137.12
12 56 53 00-0353	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,635.50	142.11
12 56 53 00-0354	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,670.45	144.98
12 56 53 00-0355	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,715.92	149.26
12 56 53 00-0356	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,492.62	259.25
12 56 53 00-0357	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,677.58	278.53
12 56 53 00-0358	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,744.20	285.67
12 56 53 00-0359	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	2,876.49	299.24
12 56 53 00-0360	EA	15" Wide Cabinet, 1 Drawer Over Cupboard	1,458.85	151.69
12 56 53 00-0361	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets	1,511.60	157.26
12 56 53 00-0362	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,543.83	160.54
12 56 53 00-0363	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,587.78	165.12
12 56 53 00-0364	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,355.28	244.96
12 56 53 00-0365	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,463.69	256.24
12 56 53 00-0366	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,533.98	263.53
12 56 53 00-0367	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	2,624.83	272.96
12 56 53 00-0368	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet	3,076.06	319.95
12 56 53 00-0369	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet	3,409.83	354.66
12 56 53 00-0370	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,201.08	124.98
12 56 53 00-0371	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,239.16	128.83
12 56 53 00-0372	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,262.59	131.27
12 56 53 00-0373	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,291.88	134.40
12 56 53 00-0374	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,655.14	172.12
12 56 53 00-0375	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,740.09	180.97
12 56 53 00-0376	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,789.91	186.11
12 56 53 00-0377	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,842.62	191.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0378		30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0326)*		
12 56 53 00-0379	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,288.97	134.12
		For 36" Height Cabinet, Add	*188.86*	
12 56 53 00-0380	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,338.77	139.26
		For 36" Height Cabinet, Add	*196.16*	
12 56 53 00-0381	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,373.92	142.84
		For 36" Height Cabinet, Add	*201.31*	
12 56 53 00-0382	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,253.80	130.41
		For 36" Height Cabinet, Add	*183.71*	
12 56 53 00-0383	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,441.32	149.98
		For 36" Height Cabinet, Add	*211.18*	
12 56 53 00-0384	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,561.43	162.40
		For 36" Height Cabinet, Add	*228.78*	
12 56 53 00-0385	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,631.72	169.68
		For 36" Height Cabinet, Add	*239.08*	
12 56 53 00-0386	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	1,728.40	179.83
		For 36" Height Cabinet, Add	*253.24*	
12 56 53 00-0387	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,414.95	147.12
		For 36" Height Cabinet, Add	*207.31*	
12 56 53 00-0388	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,479.39	153.83
		For 36" Height Cabinet, Add	*216.76*	
12 56 53 00-0389	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	3,345.52	1,611.45
		For 36" Height Cabinet, Add	*22.71*	
12 56 53 00-0390	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,590.71	165.40
		For 36" Height Cabinet, Add	*233.07*	
12 56 53 00-0391	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,079.96	216.39
		For 36" Height Cabinet, Add	*304.75*	
12 56 53 00-0392	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,241.06	233.10
		For 36" Height Cabinet, Add	*328.35*	
12 56 53 00-0393	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,343.58	243.67
		For 36" Height Cabinet, Add	*343.38*	
12 56 53 00-0394	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,466.59	256.53
		For 36" Height Cabinet, Add	*361.40*	
12 56 53 00-0395	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,584.84	164.83
		For 36" Height Cabinet, Add	*232.21*	
12 56 53 00-0396	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,646.37	171.26
		For 36" Height Cabinet, Add	*241.22*	
12 56 53 00-0397	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,693.22	176.12
		For 36" Height Cabinet, Add	*248.09*	
12 56 53 00-0398	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,757.68	182.82
		For 36" Height Cabinet, Add	*257.53*	
12 56 53 00-0399	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,422.67	251.96
		For 36" Height Cabinet, Add	*354.97*	
12 56 53 00-0400	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,577.96	268.10
		For 36" Height Cabinet, Add	*377.72*	
12 56 53 00-0401	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,648.19	275.38
		For 36" Height Cabinet, Add	*388.02*	
12 56 53 00-0402	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,809.34	292.24
		For 36" Height Cabinet, Add	*411.63*	
12 56 53 00-0403	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,167.87	225.53
		For 36" Height Cabinet, Add	*317.62*	
12 56 53 00-0404	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,340.34	243.25
		For 36" Height Cabinet, Add	*342.95*	
12 56 53 00-0405	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,498.70	259.82
		For 36" Height Cabinet, Add	*366.13*	
12 56 53 00-0406	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,674.48	278.38
		For 36" Height Cabinet, Add	*391.88*	
12 56 53 00-0407	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,619.27	272.53
		For 36" Height Cabinet, Add	*383.73*	
12 56 53 00-0408	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,783.24	289.53
		For 36" Height Cabinet, Add	*407.76*	
12 56 53 00-0409	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,870.85	298.53
		For 36" Height Cabinet, Add	*420.64*	
12 56 53 00-0410	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	3,029.01	314.95
		For 36" Height Cabinet, Add	*443.82*	
12 56 53 00-0411		30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet *(12 56 53 00-0326)*		
12 56 53 00-0412	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,482.32	154.12
		For 36" Height Cabinet, Add	*217.19*	
12 56 53 00-0413	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,561.43	162.40
		For 36" Height Cabinet, Add	*228.78*	
12 56 53 00-0414	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,608.22	167.26
		For 36" Height Cabinet, Add	*235.64*	
12 56 53 00-0415	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,675.66	174.26
		For 36" Height Cabinet, Add	*245.52*	
12 56 53 00-0416	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,200.09	228.82
		For 36" Height Cabinet, Add	*322.35*	
12 56 53 00-0417	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,387.54	248.39
		For 36" Height Cabinet, Add	*349.82*	
12 56 53 00-0418	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,493.00	259.25
		For 36" Height Cabinet, Add	*365.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0419	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,633.55	273.81
		For 36" Height Cabinet, Add	*385.87*	
12 56 53 00-0420	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,658.07	172.40
		For 36" Height Cabinet, Add	*242.94*	
12 56 53 00-0421	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,707.90	177.69
		For 36" Height Cabinet, Add	*250.24*	
12 56 53 00-0422	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,763.51	183.40
		For 36" Height Cabinet, Add	*258.39*	
12 56 53 00-0423	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,854.35	192.83
		For 36" Height Cabinet, Add	*271.70*	
12 56 53 00-0424	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,528.17	262.96
		For 36" Height Cabinet, Add	*370.42*	
12 56 53 00-0425	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,727.38	283.67
		For 36" Height Cabinet, Add	*399.61*	
12 56 53 00-0426	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,812.23	292.38
		For 36" Height Cabinet, Add	*412.05*	
12 56 53 00-0427	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,993.92	311.38
		For 36" Height Cabinet, Add	*438.67*	
12 56 53 00-0428	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,270.43	236.10
		For 36" Height Cabinet, Add	*332.65*	
12 56 53 00-0429	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,510.25	260.95
		For 36" Height Cabinet, Add	*367.84*	
12 56 53 00-0430	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,636.37	274.10
		For 36" Height Cabinet, Add	*386.30*	
12 56 53 00-0431	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,818.31	293.24
		For 36" Height Cabinet, Add	*412.91*	
12 56 53 00-0432	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,736.52	284.81
		For 36" Height Cabinet, Add	*400.90*	
12 56 53 00-0433	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	2,909.21	302.67
		For 36" Height Cabinet, Add	*426.22*	
12 56 53 00-0434	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	3,026.14	314.66
		For 36" Height Cabinet, Add	*443.39*	
12 56 53 00-0435	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	3,190.10	331.81
		For 36" Height Cabinet, Add	*467.42*	

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Panel Hung Furniture, Office Systems *(12 59 13)*

12 59 13 00-0002	EA	Acoustic Panel, 43" High, 24" Wide, NRC .85	605.23
12 59 13 00-0003	EA	Acoustic Panel, 43" High, 30" Wide, NRC .85	675.49
12 59 13 00-0004	EA	Acoustic Panel, 43" High, 36" Wide, NRC .85	746.27
12 59 13 00-0005	EA	Acoustic Panel, 43" High, 48" Wide, NRC .85	893.91
12 59 13 00-0006	EA	Acoustic Panel, 64" High, 30" Wide, NRC .85	803.35
12 59 13 00-0007	EA	Acoustic Panel, 64" High, 36" Wide, NRC .85	860.41
12 59 13 00-0008	EA	Acoustic Panel, 64" High, 42" Wide, NRC .85	998.64
12 59 13 00-0009	EA	Acoustic Panel, 64" High, 48" Wide, NRC .85	1,059.01
12 59 13 00-0010	EA	Acoustic Panel, 64" High, 60" Wide, NRC .85	1,160.45
12 59 13 00-0011	EA	Bookshelf, 36" Wide, 13-3/4" Depth, 8" High	280.44
12 59 13 00-0012	EA	Bookshelf, 42" Wide, 13-3/4" Depth, 16" High	294.12
12 59 13 00-0013	EA	Bookshelf, 48" Wide, 13-3/4" Depth, 8" High	302.38
12 59 13 00-0014	EA	Cantilever Bracket, 20" Deep, 24" Deep	94.10
12 59 13 00-0015	PR	Countertop Bracket, Pair	39.32
12 59 13 00-0016	EA	Flat Bracket, 20" Deep, 24" Wide	48.56
12 59 13 00-0017	PR	Worksurface Kit, Pair	39.32
12 59 13 00-0018	EA	Connector Kit, Ell, 43" High, 90" Deep	169.58
12 59 13 00-0019	EA	Connector Kit, Ell, 64" High, 90" Deep	99.30
12 59 13 00-0020	EA	Connector Kit, Straight, 43" High	68.88
12 59 13 00-0021	EA	Connector Kit, Straight, 64" High	71.30
12 59 13 00-0022	EA	Support Column For Peninsula, 29-1/2" High	243.40
12 59 13 00-0023	EA	Countertop, 15" Deep, 36" Wide	319.34
12 59 13 00-0024	EA	Countertop, 15" Deep, 48" Wide	356.16
12 59 13 00-0025	EA	Duplex Receptacle Circuit 1	34.77
12 59 13 00-0026	EA	Duplex Receptacle Circuit 2	34.77
12 59 13 00-0027	EA	Electric Power Harness, 36" Wide	226.90
12 59 13 00-0028	EA	Electric Power Harness, 42" Wide	232.69
12 59 13 00-0029	EA	Electric Power Harness, 60" Wide	238.45
12 59 13 00-0030	EA	Panel End Cover, 43" High	68.88
12 59 13 00-0031	EA	Panel End Cover, 64" High	68.88
12 59 13 00-0032	EA	Finish End Cover, 2-way, Variable Height	104.24
12 59 13 00-0033	EA	Overhead Cabinet With Door, 42" Wide	655.68
12 59 13 00-0034	EA	Overhead Cabinet With Door, 60" Wide	995.81
12 59 13 00-0035	EA	Pedestal Spacer, 22" Deep, 15" Wide	112.75
12 59 13 00-0036	EA	Pedestal Spacer, 28" Deep, 15" Wide	136.08
12 59 13 00-0037	EA	Pedestal Box, Box, File, 22" Deep, 26" High	792.96
12 59 13 00-0038	EA	Pedestal Box, Box, File, 28" Deep, 26" High	826.91
12 59 13 00-0039	EA	Pedestal File, File, 22" Deep, 26" High	739.20
12 59 13 00-0040	EA	Pedestal Lateral File, 2 Drawer, 30" Wide	1,042.53
12 59 13 00-0041	EA	Base In Feed Power Cable	378.55
12 59 13 00-0042	EA	Task Light, Recessed, 30" - 36" Wide	307.57
12 59 13 00-0043	EA	Task Light, Recessed, 42" - 48" Wide	332.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0044	EA	Task Light, Recessed, 60" Wide	359.94	
12 59 13 00-0045	EA	Worksurface, Radius Edge, 24" Deep, 36" Wide	331.14	
12 59 13 00-0046	EA	Worksurface, Radius Edge, 24" Deep, 42" Wide	406.61	
12 59 13 00-0047	EA	Worksurface, Radius Edge, 24" Deep, 48" Wide	433.51	
12 59 13 00-0048	EA	Worksurface, Radius Edge, 24" Deep, 60" Wide	544.37	
12 59 13 00-0049	EA	Worksurface, Radius Edge, 24" Deep, 72" Wide	615.12	
12 59 13 00-0050	EA	Worksurface, Radius Edge, 30" Deep, 42" Wide	521.26	
12 59 13 00-0051	EA	Worksurface, Radius Edge, 30" Deep, 60" Wide	608.53	
12 59 13 00-0052	EA	Worksurface, Radius Edge, 30" Deep, 72" Wide	692.49	
12 59 13 00-0053	EA	Worksurface, Radius Edge, Corner 24" Deep, 36" Wide	796.73	
12 59 13 00-0054	EA	Worksurface, Radius Edge, Corner 24" Deep, 42" Wide	905.23	
12 59 13 00-0055	EA	Worksurface, Peninsula, 36" Wide, 66" Long	1,042.53	

12 59 13 00-0056 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0057	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	318.11	26.38
		For Tackable Acoustical Barrier Panel, Add	*58.01*	
		For Acoustical Panel, Add	*63.06*	
		For Enameled Surface, Deduct	*-25.22*	
12 59 13 00-0058	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	353.55	29.35
		For Tackable Acoustical Barrier Panel, Add	*64.47*	
		For Acoustical Panel, Add	*70.08*	
		For Enameled Surface, Deduct	*-28.03*	
12 59 13 00-0059	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	378.04	31.26
		For Tackable Acoustical Barrier Panel, Add	*68.94*	
		For Acoustical Panel, Add	*74.93*	
		For Enameled Surface, Deduct	*-29.97*	
12 59 13 00-0060	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	423.59	35.11
		For Tackable Acoustical Barrier Panel, Add	*77.25*	
		For Acoustical Panel, Add	*83.97*	
		For Enameled Surface, Deduct	*-33.59*	
12 59 13 00-0061	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	323.17	26.76
		For Tackable Acoustical Barrier Panel, Add	*58.93*	
		For Acoustical Panel, Add	*64.06*	
		For Enameled Surface, Deduct	*-25.62*	
12 59 13 00-0062	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	365.34	30.21
		For Tackable Acoustical Barrier Panel, Add	*66.63*	
		For Acoustical Panel, Add	*72.42*	
		For Enameled Surface, Deduct	*-28.97*	
12 59 13 00-0063	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	409.22	33.95
		For Tackable Acoustical Barrier Panel, Add	*74.63*	
		For Acoustical Panel, Add	*81.12*	
		For Enameled Surface, Deduct	*-32.45*	
12 59 13 00-0064	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	480.96	39.80
		For Tackable Acoustical Barrier Panel, Add	*87.71*	
		For Acoustical Panel, Add	*95.34*	
		For Enameled Surface, Deduct	*-38.14*	
12 59 13 00-0065	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	311.35	25.79
		For Tackable Acoustical Barrier Panel, Add	*56.78*	
		For Acoustical Panel, Add	*61.72*	
		For Enameled Surface, Deduct	*-24.69*	
12 59 13 00-0066	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	383.09	31.74
		For Tackable Acoustical Barrier Panel, Add	*69.86*	
		For Acoustical Panel, Add	*75.94*	
		For Enameled Surface, Deduct	*-30.38*	
12 59 13 00-0067	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	479.31	39.70
		For Tackable Acoustical Barrier Panel, Add	*87.40*	
		For Acoustical Panel, Add	*95.01*	
		For Enameled Surface, Deduct	*-38.00*	
12 59 13 00-0068	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	573.76	47.48
		For Tackable Acoustical Barrier Panel, Add	*104.64*	
		For Acoustical Panel, Add	*113.74*	
		For Enameled Surface, Deduct	*-45.50*	
12 59 13 00-0069	EA	34" Draw Rod Panel Connector Hardware	17.37	1.43
12 59 13 00-0070	EA	42" Draw Rod Panel Connector Hardware	17.37	1.43
12 59 13 00-0071	EA	62" Draw Rod Panel Connector Hardware	18.53	1.53
12 59 13 00-0072	EA	34" Two-Way 90 Degree Panel Connector Hardware	79.91	6.62
12 59 13 00-0073	EA	42" Two-Way 90 Degree Panel Connector Hardware	92.65	7.68
12 59 13 00-0074	EA	62" Two-Way 90 Degree Panel Connector Hardware	106.55	8.82
12 59 13 00-0075	EA	34" Three-Way 90 Degree Panel Connector Hardware	123.92	10.26
12 59 13 00-0076	EA	42" Three-Way 90 Degree Panel Connector Hardware	143.62	11.89
12 59 13 00-0077	EA	62" Three-Way 90 Degree Panel Connector Hardware	166.77	13.82
12 59 13 00-0078	EA	34" Four-Way 90 Degree Panel Connector Hardware	156.36	12.94
12 59 13 00-0079	EA	42" Four-Way 90 Degree Panel Connector Hardware	182.99	15.15
12 59 13 00-0080	EA	62" Four-Way 90 Degree Panel Connector Hardware	220.05	18.22
12 59 13 00-0081	EA	34" Panel End Cap Hardware	26.64	2.21
12 59 13 00-0082	EA	42" Panel End Cap Hardware	30.12	2.50
12 59 13 00-0083	EA	62" Panel End Cap Hardware	32.42	2.69
12 59 13 00-0084	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	29.39	2.50
12 59 13 00-0085	EA	Two-Way Trim Cover For Cable Management Raceway	15.12	1.24
12 59 13 00-0086	EA	Three-Way Trim Cover For Cable Management Raceway	15.95	1.34
12 59 13 00-0087	EA	Four-Way Trim Cover For Cable Management Raceway	18.46	1.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0088	EA	Finished End Trim Cover For Cable Management Raceway	15.12	1.24
12 59 13 00-0089	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	31.07	2.59
12 59 13 00-0090	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	35.27	2.88
12 59 13 00-0091	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	36.09	2.97
12 59 13 00-0092	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	40.31	3.36
12 59 13 00-0093	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	45.33	3.74
12 59 13 00-0094	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	243.85	20.14
12 59 13 00-0095	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	300.39	24.84
12 59 13 00-0096	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	283.52	23.50
12 59 13 00-0097	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	354.41	29.35
12 59 13 00-0098	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	357.76	29.64
12 59 13 00-0099	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	450.60	37.40
12 59 13 00-0100	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	434.55	35.97
12 59 13 00-0101	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	545.90	45.17
12 59 13 00-0102	EA	30" x 60" Radiused Edge Table	969.76	80.37
12 59 13 00-0103	EA	30" x 72" Radiused Edge Table	1,059.75	87.85
12 59 13 00-0104	EA	14" x 24" Radiused Edge Transaction Surface	116.45	9.68
12 59 13 00-0105	EA	14" x 36" Radiused Edge Transaction Surface	132.47	10.94
12 59 13 00-0106	EA	14" x 48" Radiused Edge Transaction Surface	148.51	12.28
12 59 13 00-0107	EA	14" x 60" Radiused Edge Transaction Surface	184.78	15.34
12 59 13 00-0108	EA	14" x 72" Radiused Edge Transaction Surface	221.91	18.41
12 59 13 00-0109	EA	14" Right Angle Corner Transaction Surface	388.16	32.13
12 59 13 00-0110	EA	Transaction Surface Support	30.75	2.54
12 59 13 00-0111	EA	Plastic Pencil Drawer	33.65	2.50
12 59 13 00-0112	EA	15-1/2" x 24" Hanging Shelf	113.37	9.40
12 59 13 00-0113	EA	15-1/2" x 36" Hanging Shelf	123.42	10.16
12 59 13 00-0114	EA	15-1/2" x 48" Hanging Shelf	131.84	10.94
12 59 13 00-0115	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	195.63	16.20
12 59 13 00-0116	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	228.40	18.99
12 59 13 00-0117	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	261.98	21.67
12 59 13 00-0118	EA	24" Suspended Lateral File, Lockable	674.66	55.57
12 59 13 00-0119	EA	30" Suspended Lateral File, Lockable	712.56	58.70
12 59 13 00-0120	EA	36" Suspended Lateral File, Lockable	751.86	61.93
12 59 13 00-0121	EA	48" Suspended Lateral File, Lockable	822.32	67.74
12 59 13 00-0122	EA	Fully Adjustable Vinyl Keyboard Tray	305.66	25.32
12 59 13 00-0123	EA	Palm Rest For Vinyl Keyboard Tray	47.85	4.02
12 59 13 00-0124	EA	24" x 36" Radiused Edge Corner Work Surface	386.16	32.03
12 59 13 00-0125	EA	File Drawer Organizer	124.29	10.26
12 59 13 00-0126	EA	Suspended Lateral File Converter Bracket	26.87	2.21
12 59 13 00-0127	EA	Utility Task Light	134.34	11.13

12 59 13 00-0128 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0129	EA	Disassemble And Store 34H 24W Fabric Covered Panel	32.96	
12 59 13 00-0130	EA	Disassemble And Store 34H 30W Fabric Covered Panel	36.63	
12 59 13 00-0131	EA	Disassemble And Store 34H 36W Fabric Covered Panel	39.17	
12 59 13 00-0132	EA	Disassemble And Store 34H 48W Fabric Covered Panel	43.88	
12 59 13 00-0133	EA	Disassemble And Store 42H 24W Fabric Covered Panel	33.48	
12 59 13 00-0134	EA	Disassemble And Store 42H 30W Fabric Covered Panel	37.85	
12 59 13 00-0135	EA	Disassemble And Store 42H 36W Fabric Covered Panel	42.40	
12 59 13 00-0136	EA	Disassemble And Store 42H 48W Fabric Covered Panel	49.83	
12 59 13 00-0137	EA	Disassemble And Store 62H 12W Fabric Covered Panel	32.26	
12 59 13 00-0138	EA	Disassemble And Store 62H 24W Fabric Covered Panel	39.69	
12 59 13 00-0139	EA	Disassemble And Store 62H 36W Fabric Covered Panel	49.65	
12 59 13 00-0140	EA	Disassemble And Store 62H 48W Fabric Covered Panel	59.45	
12 59 13 00-0141	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0142	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.80	
12 59 13 00-0143	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0144	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	8.28	
12 59 13 00-0145	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.60	
12 59 13 00-0146	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	11.04	
12 59 13 00-0147	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	12.84	
12 59 13 00-0148	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	14.88	
12 59 13 00-0149	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	17.28	
12 59 13 00-0150	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	16.20	
12 59 13 00-0151	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	18.96	
12 59 13 00-0152	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	22.79	
12 59 13 00-0153	EA	Disassemble And Store 34" Panel End Cap Hardware	2.76	
12 59 13 00-0154	EA	Disassemble And Store 42" Panel End Cap Hardware	3.12	
12 59 13 00-0155	EA	Disassemble And Store 62" Panel End Cap Hardware	3.36	
12 59 13 00-0156	EA	Disassemble And Store Variable Height Panel End Filler	3.04	
12 59 13 00-0157	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.57	
12 59 13 00-0158	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.66	
12 59 13 00-0159	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0160	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.57	
12 59 13 00-0161	EA	Disassemble And Store 12" Cable Management Raceway Assembly	3.22	
12 59 13 00-0162	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.65	
12 59 13 00-0163	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.74	
12 59 13 00-0164	EA	Disassemble And Store 36" Cable Management Raceway Assembly	4.17	
12 59 13 00-0165	EA	Disassemble And Store 48" Cable Management Raceway Assembly	4.70	
12 59 13 00-0166	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	25.26	
12 59 13 00-0167	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	31.12	
12 59 13 00-0168	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	29.38	
12 59 13 00-0169	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	36.72	
12 59 13 00-0170	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	37.07	
12 59 13 00-0171	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	46.68	
12 59 13 00-0172	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	45.02	
12 59 13 00-0173	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	56.57	
12 59 13 00-0174	EA	Disassemble And Store 30" x 60" Radiused Edge Table	87.35	
12 59 13 00-0175	EA	Disassemble And Store 30" x 72" Radiused Edge Table	109.77	
12 59 13 00-0176	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	12.06	
12 59 13 00-0177	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	13.72	
12 59 13 00-0178	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	15.39	
12 59 13 00-0179	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	19.14	
12 59 13 00-0180	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	23.00	
12 59 13 00-0181	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	40.21	
12 59 13 00-0182	EA	Disassemble And Store Transaction Surface Support	3.17	
12 59 13 00-0183	EA	Disassemble And Store Plastic Pencil Drawer	3.13	
12 59 13 00-0184	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.75	
12 59 13 00-0185	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.79	
12 59 13 00-0186	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	13.65	
12 59 13 00-0187	EA	Disassemble And Store 24" Flipper Door And Shelf	20.27	
12 59 13 00-0188	EA	Disassemble And Store 36" Flipper Door And Shelf	23.67	
12 59 13 00-0189	EA	Disassemble And Store 48" Flipper Door And Shelf	27.14	
12 59 13 00-0190	EA	Disassemble And Store 24" Suspended Lateral File	69.47	
12 59 13 00-0191	EA	Disassemble And Store 30" Suspended Lateral File	73.37	
12 59 13 00-0192	EA	Disassemble And Store 36" Suspended Lateral File	77.41	
12 59 13 00-0193	EA	Disassemble And Store 48" Suspended Lateral File	84.68	
12 59 13 00-0194	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	31.67	
12 59 13 00-0195	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	40.01	
12 59 13 00-0196	EA	Disassemble And Store Utility Task Light	13.92	

12 59 13 00-0197 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0198	EA	Reconfigure 34H 24W Fabric Covered Panel	35.15	
12 59 13 00-0199	EA	Reconfigure 34H 30W Fabric Covered Panel	39.06	
12 59 13 00-0200	EA	Reconfigure 34H 36W Fabric Covered Panel	41.76	
12 59 13 00-0201	EA	Reconfigure 34H 48W Fabric Covered Panel	46.79	
12 59 13 00-0202	EA	Reconfigure 42H 24W Fabric Covered Panel	35.70	
12 59 13 00-0203	EA	Reconfigure 42H 30W Fabric Covered Panel	40.36	
12 59 13 00-0204	EA	Reconfigure 42H 36W Fabric Covered Panel	45.21	
12 59 13 00-0205	EA	Reconfigure 42H 48W Fabric Covered Panel	53.12	
12 59 13 00-0206	EA	Reconfigure 62H 12W Fabric Covered Panel	34.39	
12 59 13 00-0207	EA	Reconfigure 62H 24W Fabric Covered Panel	42.32	
12 59 13 00-0208	EA	Reconfigure 62H 36W Fabric Covered Panel	52.94	
12 59 13 00-0209	EA	Reconfigure 62H 48W Fabric Covered Panel	63.38	
12 59 13 00-0210	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0211	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.92	
12 59 13 00-0212	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	2.05	
12 59 13 00-0213	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.83	
12 59 13 00-0214	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	10.23	
12 59 13 00-0215	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.77	
12 59 13 00-0216	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	13.68	
12 59 13 00-0217	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	15.86	
12 59 13 00-0218	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	18.42	
12 59 13 00-0219	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	17.28	
12 59 13 00-0220	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	20.22	
12 59 13 00-0221	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	24.31	
12 59 13 00-0222	EA	Reconfigure 34" Panel End Cap Hardware	2.94	
12 59 13 00-0223	EA	Reconfigure 42" Panel End Cap Hardware	3.33	
12 59 13 00-0224	EA	Reconfigure 62" Panel End Cap Hardware	3.58	
12 59 13 00-0225	EA	Reconfigure Variable Height Panel End Filler	3.25	
12 59 13 00-0226	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.67	
12 59 13 00-0227	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.77	
12 59 13 00-0228	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	2.04	
12 59 13 00-0229	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.67	
12 59 13 00-0230	EA	Reconfigure 12" Cable Management Raceway Assembly	3.43	
12 59 13 00-0231	EA	Reconfigure 24" Cable Management Raceway Assembly	3.89	
12 59 13 00-0232	EA	Reconfigure 30" Cable Management Raceway Assembly	3.98	
12 59 13 00-0233	EA	Reconfigure 36" Cable Management Raceway Assembly	4.45	
12 59 13 00-0234	EA	Reconfigure 48" Cable Management Raceway Assembly	5.01	
12 59 13 00-0235	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	26.94	
12 59 13 00-0236	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	33.18	
12 59 13 00-0237	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	31.31	
12 59 13 00-0238	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	39.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0239	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	39.52	
12 59 13 00-0240	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	49.77	
12 59 13 00-0241	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	48.00	
12 59 13 00-0242	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	60.31	
12 59 13 00-0243	EA	Reconfigure 30" x 60" Radiused Edge Table	107.13	
12 59 13 00-0244	EA	Reconfigure 30" x 72" Radiused Edge Table	117.07	
12 59 13 00-0245	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	12.86	
12 59 13 00-0246	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	14.63	
12 59 13 00-0247	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	16.40	
12 59 13 00-0248	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	20.41	
12 59 13 00-0249	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	24.51	
12 59 13 00-0250	EA	Reconfigure 14" Right Angle Corner Transaction Surface	42.88	
12 59 13 00-0251	EA	Reconfigure Transaction Surface Support	3.39	
12 59 13 00-0252	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	12.52	
12 59 13 00-0253	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	13.63	
12 59 13 00-0254	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	14.57	
12 59 13 00-0255	EA	Reconfigure 24" Flipper Door And Shelf	21.61	
12 59 13 00-0256	EA	Reconfigure 36" Flipper Door And Shelf	25.22	
12 59 13 00-0257	EA	Reconfigure 48" Flipper Door And Shelf	28.93	
12 59 13 00-0258	EA	Reconfigure 24" Suspended Lateral File	74.11	
12 59 13 00-0259	EA	Reconfigure 30" Suspended Lateral File	78.27	
12 59 13 00-0260	EA	Reconfigure 36" Suspended Lateral File	82.58	
12 59 13 00-0261	EA	Reconfigure 48" Suspended Lateral File	90.33	
12 59 13 00-0262	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	42.66	

12 59 16 Free-Standing Component System Furniture *(12 59)*

12 59 16 00-0001 Furniture, Office Systems *(12 59 16)*

12 59 16 00-0002	EA	Desk Top, 24" Deep x 48" Wide	844.21	
12 59 16 00-0003	EA	Desk Top, 30" Deep x 48" Wide	1,065.68	
12 59 16 00-0004	EA	Desk Top, 30" Deep x 60" Wide	1,193.46	
12 59 16 00-0005	EA	Desk Top, 30" Deep x 72" Wide	1,278.21	
12 59 16 00-0006	EA	File, Mobile, 2-Drawer, 22" Deep	1,122.36	
12 59 16 00-0007	EA	File, Suspended, 2-Drawer, 22" Deep	941.97	
12 59 16 00-0008	EA	File, Undercounter, 2-Drawer, 22" Deep	1,075.51	
12 59 16 00-0009	EA	File, Undercounter, 2 Box, 1 File, 22" Deep	1,136.79	
12 59 16 00-0010	EA	Keyboard Platform With Articulating Arm	626.90	
12 59 16 00-0011	EA	End Support Leg	433.80	
12 59 16 00-0012	EA	Modesty Panel, 48" Wide	191.51	
12 59 16 00-0013	EA	Modesty Panel, Return	208.51	
12 59 16 00-0014	EA	Pencil/Utility Drawer	335.77	
12 59 16 00-0015	EA	Privacy Screen, 48" Wide x 17-20" High	557.56	
12 59 16 00-0016	EA	Privacy Screen, 72" Wide x 17-20" High	776.09	
12 59 16 00-0017	EA	Printer Stand, 30" Deep x 36" Wide	1,176.95	
12 59 16 00-0018	EA	Printer Stand, Universal	1,574.89	
12 59 16 00-0019	EA	Paper Basket	139.38	
12 59 16 00-0020	EA	Storage Unit With Doors, 60" Wide	1,841.63	
12 59 16 00-0021	EA	Storage Unit With Doors, 72" Wide	2,198.18	
12 59 16 00-0022	EA	Table, Peninsula, 30" x 72"	1,233.46	
12 59 16 00-0023	EA	Return Table, 24" x 48"	921.89	
12 59 16 00-0024	EA	Round Conference Return, 42" Diameter	1,042.53	
12 59 16 00-0025	EA	Work Surface, 24" Deep x 48" Wide	642.98	
12 59 16 00-0026	EA	Work Surface, 30" Deep x 30" Wide	608.53	
12 59 16 00-0027	EA	Work Surface, 30" Deep x 60" Wide	848.29	
12 59 16 00-0028	EA	Work Surface, 30" Deep x 72" Wide	888.89	
12 59 16 00-0029	EA	Corner Bridge, 30" x 42"	947.59	
12 59 16 00-0030	EA	Peninsula, 30" x 60"	1,332.65	
12 59 16 00-0031	EA	Connector Plate	34.80	

12 59 16 00-0032 Herman Miller Systems Furniture *(12 59 16)*

12 59 16 00-0033 Herman Miller Action Office Series 2 Systems Furniture *(12 59 16 00-0032)*

12 59 16 00-0034	EA	32H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	417.77	26.38
		For Owner Furnished Material, Deduct	*-351.88*	
		For Category 2 Fabric Both Sides, Add	*11.24*	
		For Non-powered Panel, Deduct	*-112.36*	
12 59 16 00-0035	EA	32H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	443.51	27.62
		For Owner Furnished Material, Deduct	*-374.36*	
		For Category 2 Fabric Both Sides, Add	*11.24*	
		For Non-powered Panel, Deduct	*-112.36*	
12 59 16 00-0036	EA	32H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	479.97	29.06
		For Owner Furnished Material, Deduct	*-407.37*	
		For Category 2 Fabric Both Sides, Add	*11.24*	
		For Non-powered Panel, Deduct	*-112.36*	
12 59 16 00-0037	EA	32H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	515.93	30.50
		For Owner Furnished Material, Deduct	*-439.68*	
		For Category 2 Fabric Both Sides, Add	*11.24*	
		For Non-powered Panel, Deduct	*-112.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0038	EA	39H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	430.16	27.62
		For Owner Furnished Material, Deduct	*-361.01*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0039	EA	39H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	457.49	29.06
		For Owner Furnished Material, Deduct	*-384.89*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0040	EA	39H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	494.86	30.50
		For Owner Furnished Material, Deduct	*-418.61*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0041	EA	39H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	533.10	32.03
		For Owner Furnished Material, Deduct	*-453.02*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0042	EA	47H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	448.36	29.06
		For Owner Furnished Material, Deduct	*-375.76*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0043	EA	47H 30W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	482.92	30.50
		For Owner Furnished Material, Deduct	*-406.67*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0044	EA	47H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	529.59	32.03
		For Owner Furnished Material, Deduct	*-449.51*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0045	EA	47H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	580.68	33.66
		For Owner Furnished Material, Deduct	*-496.57*	
		For Category 2 Fabric Both Sides, Add	*15.45*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0046	EA	62H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	438.84	26.38
		For Owner Furnished Material, Deduct	*-372.95*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0047	EA	62H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	494.86	30.50
		For Owner Furnished Material, Deduct	*-418.61*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0048	EA	62H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	598.24	33.66
		For Owner Furnished Material, Deduct	*-514.13*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0049	EA	62H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	657.94	35.30
		For Owner Furnished Material, Deduct	*-569.61*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0050	EA	67H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	448.42	27.62
		For Owner Furnished Material, Deduct	*-379.27*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0051	EA	67H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	505.01	32.03
		For Owner Furnished Material, Deduct	*-424.93*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0052	EA	67H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	606.67	35.30
		For Owner Furnished Material, Deduct	*-518.34*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0053	EA	67H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	666.57	37.11
		For Owner Furnished Material, Deduct	*-573.83*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0054	EA	85H 12W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	489.80	29.06
		For Owner Furnished Material, Deduct	*-417.20*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0055	EA	85H 24W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	566.63	33.66
		For Owner Furnished Material, Deduct	*-482.52*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0056	EA	85H 36W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	679.91	37.11
		For Owner Furnished Material, Deduct	*-587.17*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0057	EA	85H 48W Panel, Category 1 Fabric Both Sides, Type L Power, Herman Miller AO Series 2	745.63	38.94
		For Owner Furnished Material, Deduct	*-648.28*	
		For Category 2 Fabric Both Sides, Add	*18.26*	
		For Non-powered Panel, Deduct	*-112.36*	
		For Tackable Acoustical-Barrier Panel, Add	*70.59*	
12 59 16 00-0058	EA	32" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	82.32	6.52
		For Owner Furnished Material, Deduct	*-66.02*	
12 59 16 00-0059	EA	39" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	85.87	7.19
		For Owner Furnished Material, Deduct	*-68.13*	
12 59 16 00-0060	EA	47" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	95.03	7.68
		For Owner Furnished Material, Deduct	*-75.85*	
12 59 16 00-0061	EA	62" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	107.75	8.82
		For Owner Furnished Material, Deduct	*-85.69*	
12 59 16 00-0062	EA	67" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	110.59	9.40
		For Owner Furnished Material, Deduct	*-87.09*	
12 59 16 00-0063	EA	85" Two-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	123.96	9.97
		For Owner Furnished Material, Deduct	*-99.03*	
12 59 16 00-0064	EA	32" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	145.06	10.26
		For Owner Furnished Material, Deduct	*-119.40*	
12 59 16 00-0065	EA	39" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	152.04	11.13
		For Owner Furnished Material, Deduct	*-124.32*	
12 59 16 00-0066	EA	47" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	162.48	11.89
		For Owner Furnished Material, Deduct	*-132.75*	
12 59 16 00-0067	EA	62" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	187.63	13.82
		For Owner Furnished Material, Deduct	*-153.11*	
12 59 16 00-0068	EA	67" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	192.02	14.96
		For Owner Furnished Material, Deduct	*-154.52*	
12 59 16 00-0069	EA	85" Three-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	217.19	16.88
		For Owner Furnished Material, Deduct	*-174.89*	
12 59 16 00-0070	EA	32" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	182.02	12.94
		For Owner Furnished Material, Deduct	*-149.60*	
12 59 16 00-0071	EA	39" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	190.42	14.10
		For Owner Furnished Material, Deduct	*-155.22*	
12 59 16 00-0072	EA	47" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	204.34	15.15
		For Owner Furnished Material, Deduct	*-166.46*	
12 59 16 00-0073	EA	62" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	243.63	18.22
		For Owner Furnished Material, Deduct	*-198.07*	
12 59 16 00-0074	EA	67" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	247.81	19.37
		For Owner Furnished Material, Deduct	*-199.47*	
12 59 16 00-0075	EA	85" Four-Way 90 Connector, Hard Surface, Herman Miller AO Series 2	278.66	22.44
		For Owner Furnished Material, Deduct	*-222.65*	
12 59 16 00-0076	EA	32" Finished End, Hard Surface, Herman Miller AO Series 2	34.36	2.21
		For Owner Furnished Material, Deduct	*-28.80*	
12 59 16 00-0077	EA	39" Finished End, Hard Surface, Herman Miller AO Series 2	36.15	2.40
		For Owner Furnished Material, Deduct	*-30.20*	
12 59 16 00-0078	EA	47" Finished End, Hard Surface, Herman Miller AO Series 2	38.55	2.50
		For Owner Furnished Material, Deduct	*-32.31*	
12 59 16 00-0079	EA	62" Finished End, Hard Surface, Herman Miller AO Series 2	40.42	2.69
		For Owner Furnished Material, Deduct	*-33.71*	
12 59 16 00-0080	EA	67" Finished End, Hard Surface, Herman Miller AO Series 2	40.80	2.88
		For Owner Furnished Material, Deduct	*-33.71*	
12 59 16 00-0081	EA	85" Finished End, Hard Surface, Herman Miller AO Series 2	44.09	3.07
		For Owner Furnished Material, Deduct	*-36.52*	
12 59 16 00-0082	EA	Change Of Height Draw Rod, Herman Miller AO Series 2	20.14	2.50
		For Owner Furnished Material, Deduct	*-14.05*	
12 59 16 00-0083	EA	Cable/Energy Barrier (Connector), Herman Miller AO Series 2	48.78	1.24
		For Owner Furnished Material, Deduct	*-45.65*	

12 59 16 00-0084 Accessories For Herman Miller Action Office Series Systems Furniture *(12 59 16 00-0032)*

12 59 16 00-0085	EA	27" Draw Rod, Herman Miller Action Office	15.90	1.30
		For Owner Furnished Material, Deduct	*-12.64*	
12 59 16 00-0086	EA	34" Draw Rod, Herman Miller Action Office	16.79	1.38
		For Owner Furnished Material, Deduct	*-13.34*	
12 59 16 00-0087	EA	42" Draw Rod, Herman Miller Action Office	16.98	1.45
		For Owner Furnished Material, Deduct	*-13.34*	
12 59 16 00-0088	EA	48" Draw Rod, Herman Miller Action Office	17.88	1.53
		For Owner Furnished Material, Deduct	*-14.05*	
12 59 16 00-0089	EA	57" Draw Rod, Herman Miller Action Office	18.07	1.62
		For Owner Furnished Material, Deduct	*-14.05*	
12 59 16 00-0090	EA	62" Draw Rod, Herman Miller Action Office	18.27	1.69
		For Owner Furnished Material, Deduct	*-14.05*	
12 59 16 00-0091	EA	80" Draw Rod, Herman Miller Action Office	19.86	1.77
		For Owner Furnished Material, Deduct	*-15.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0092	EA	24" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office	198.01	20.14
		For Owner Furnished Material, Deduct	*-147.50*	
12 59 16 00-0093	EA	24" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office	267.32	23.50
		For Owner Furnished Material, Deduct	*-208.60*	
12 59 16 00-0094	EA	24" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office	341.69	29.64
		For Owner Furnished Material, Deduct	*-267.60*	
12 59 16 00-0095	EA	24" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office	418.01	35.97
		For Owner Furnished Material, Deduct	*-328.00*	
12 59 16 00-0096	EA	30" x 36" Hanging Work Surface, Laminate, Herman Miller Action Office	284.86	24.84
		For Owner Furnished Material, Deduct	*-222.65*	
12 59 16 00-0097	EA	30" x 48" Hanging Work Surface, Laminate, Herman Miller Action Office	338.20	29.35
		For Owner Furnished Material, Deduct	*-264.79*	
12 59 16 00-0098	EA	30" x 60" Hanging Work Surface, Laminate, Herman Miller Action Office	433.97	37.40
		For Owner Furnished Material, Deduct	*-340.64*	
12 59 16 00-0099	EA	30" x 72" Hanging Work Surface, Laminate, Herman Miller Action Office	529.54	45.17
		For Owner Furnished Material, Deduct	*-416.50*	
12 59 16 00-0100	EA	24" x 36" Corner Work Surface, Laminate, Herman Miller Action Office	368.64	32.03
		For Owner Furnished Material, Deduct	*-288.67*	
12 59 16 00-0101	EA	30" x 60" Round End Peninsula, Laminate, Herman Miller Action Office	671.90	69.82
		For Owner Furnished Material, Deduct	*-497.27*	
12 59 16 00-0102	EA	30" x 72" Round End Peninsula, Laminate, Herman Miller Action Office	719.63	76.25
		For Owner Furnished Material, Deduct	*-528.88*	
12 59 16 00-0103	EA	14" x 24" Transaction Surface, Laminate, Herman Miller Action Office	109.11	9.68
		For Owner Furnished Material, Deduct	*-84.99*	
12 59 16 00-0104	EA	14" x 36" Transaction Surface, Laminate, Herman Miller Action Office	125.77	10.94
		For Owner Furnished Material, Deduct	*-98.33*	
12 59 16 00-0105	EA	14" x 48" Transaction Surface, Laminate, Herman Miller Action Office	141.73	12.28
		For Owner Furnished Material, Deduct	*-110.97*	
12 59 16 00-0106	EA	14" x 60" Transaction Surface, Laminate, Herman Miller Action Office	177.34	15.34
		For Owner Furnished Material, Deduct	*-139.07*	
12 59 16 00-0107	EA	14" x 72" Transaction Surface, Laminate, Herman Miller Action Office	213.82	18.41
		For Owner Furnished Material, Deduct	*-167.86*	
12 59 16 00-0108	EA	Right Angle Corner Transaction Surface, Laminate, Herman Miller Action Office	199.80	32.13
		For Owner Furnished Material, Deduct	*-119.40*	
12 59 16 00-0109	EA	Pencil Drawer, Herman Miller Action Office	33.65	2.50
		For Owner Furnished Material, Deduct	*-27.39*	
12 59 16 00-0110	EA	12" x 24" Shelf, Herman Miller Action Office	121.81	9.40
		For Owner Furnished Material, Deduct	*-98.33*	
12 59 16 00-0111	EA	12" x 36" Shelf, Herman Miller Action Office	133.72	10.16
		For Owner Furnished Material, Deduct	*-108.16*	
12 59 16 00-0112	EA	12" x 48" Shelf, Herman Miller Action Office	143.20	10.94
		For Owner Furnished Material, Deduct	*-115.89*	
12 59 16 00-0113	EA	12" x 24" Flipper Door, Herman Miller Action Office	197.15	16.20
		For Owner Furnished Material, Deduct	*-156.63*	
12 59 16 00-0114	EA	12" x 36" Flipper Door, Herman Miller Action Office	232.73	18.99
		For Owner Furnished Material, Deduct	*-185.42*	
12 59 16 00-0115	EA	12" x 48" Flipper Door, Herman Miller Action Office	269.88	21.67
		For Owner Furnished Material, Deduct	*-215.62*	
12 59 16 00-0116	EA	24" Task Light, Herman Miller Action Office	207.62	11.13
		For Owner Furnished Material, Deduct	*-179.80*	
12 59 16 00-0117	EA	36" Task Light, Herman Miller Action Office	219.56	11.13
		For Owner Furnished Material, Deduct	*-191.74*	
12 59 16 00-0118	EA	48" Task Light, Herman Miller Action Office	232.21	11.13
		For Owner Furnished Material, Deduct	*-204.39*	

12 59 16 00-0119 Disassemble And Store *(12 59 16 00-0032)*

12 59 16 00-0120	EA	Disassemble And Store 32H 24W Panel	32.99
12 59 16 00-0121	EA	Disassemble And Store 32H 30W Panel	34.62
12 59 16 00-0122	EA	Disassemble And Store 32H 36W Panel	36.35
12 59 16 00-0123	EA	Disassemble And Store 32H 48W Panel	38.18
12 59 16 00-0124	EA	Disassemble And Store 39H 24W Panel	34.62
12 59 16 00-0125	EA	Disassemble And Store 39H 30W Panel	36.35
12 59 16 00-0126	EA	Disassemble And Store 39H 36W Panel	38.18
12 59 16 00-0127	EA	Disassemble And Store 39H 48W Panel	40.09
12 59 16 00-0128	EA	Disassemble And Store 47H 24W Panel	36.35
12 59 16 00-0129	EA	Disassemble And Store 47H 30W Panel	38.18
12 59 16 00-0130	EA	Disassemble And Store 47H 36W Panel	40.09
12 59 16 00-0131	EA	Disassemble And Store 47H 48W Panel	42.10
12 59 16 00-0132	EA	Disassemble And Store 62H 12W Panel	32.99
12 59 16 00-0133	EA	Disassemble And Store 62H 24W Panel	38.18
12 59 16 00-0134	EA	Disassemble And Store 62H 36W Panel	42.10
12 59 16 00-0135	EA	Disassemble And Store 62H 48W Panel	44.21
12 59 16 00-0136	EA	Disassemble And Store 67H 12W Panel	34.62
12 59 16 00-0137	EA	Disassemble And Store 67H 24W Panel	40.09
12 59 16 00-0138	EA	Disassemble And Store 67H 36W Panel	44.21
12 59 16 00-0139	EA	Disassemble And Store 67H 48W Panel	46.42
12 59 16 00-0140	EA	Disassemble And Store 67H 12W Panel	36.35
12 59 16 00-0141	EA	Disassemble And Store 85H 24W Panel	42.10
12 59 16 00-0142	EA	Disassemble And Store 85H 36W Panel	46.42
12 59 16 00-0143	EA	Disassemble And Store 85H 48W Panel	48.72
12 59 16 00-0144	EA	Disassemble And Store 32" Two-Way 90 Connector	8.16
12 59 16 00-0145	EA	Disassemble And Store 39" Two-Way 90 Connector	8.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0146	EA	Disassemble And Store 47" Two-Way 90 Connector	9.59	
12 59 16 00-0147	EA	Disassemble And Store 62" Two-Way 90 Connector	11.03	
12 59 16 00-0148	EA	Disassemble And Store 67" Two-Way 90 Connector	11.80	
12 59 16 00-0149	EA	Disassemble And Store 85" Two-Way 90 Connector	12.47	
12 59 16 00-0150	EA	Disassemble And Store 32" Three-Way 90 Connector	12.85	
12 59 16 00-0151	EA	Disassemble And Store 39" Three-Way 90 Connector	13.91	
12 59 16 00-0152	EA	Disassemble And Store 47" Three-Way 90 Connector	14.87	
12 59 16 00-0153	EA	Disassemble And Store 62" Three-Way 90 Connector	17.27	
12 59 16 00-0154	EA	Disassemble And Store 67" Three-Way 90 Connector	18.80	
12 59 16 00-0155	EA	Disassemble And Store 85" Three-Way 90 Connector	21.20	
12 59 16 00-0156	EA	Disassemble And Store 32" Four-Way 90 Connector	16.20	
12 59 16 00-0157	EA	Disassemble And Store 39" Four-Way 90 Connector	17.65	
12 59 16 00-0158	EA	Disassemble And Store 47" Four-Way 90 Connector	18.99	
12 59 16 00-0159	EA	Disassemble And Store 62" Four-Way 90 Connector	22.82	
12 59 16 00-0160	EA	Disassemble And Store 67" Four-Way 90 Connector	24.17	
12 59 16 00-0161	EA	Disassemble And Store 85" Four-Way 90 Connector	28.00	
12 59 16 00-0162	EA	Disassemble And Store 32" Finished End	2.78	
12 59 16 00-0163	EA	Disassemble And Store 39" Finished End	2.97	
12 59 16 00-0164	EA	Disassemble And Store 47" Finished End	3.16	
12 59 16 00-0165	EA	Disassemble And Store 62" Finished End	3.36	
12 59 16 00-0166	EA	Disassemble And Store 67" Finished End	3.55	
12 59 16 00-0167	EA	Disassemble And Store 85" Finished End	3.83	
12 59 16 00-0168	EA	Disassemble And Store Change Of Height Draw Rod	3.04	
12 59 16 00-0169	EA	Disassemble And Store Cable/Energy Barrier (Connector)	1.57	
12 59 16 00-0170	EA	Disassemble And Store 27" Draw Rod	1.64	
12 59 16 00-0171	EA	Disassemble And Store 34" Draw Rod	1.81	
12 59 16 00-0172	EA	Disassemble And Store 42" Draw Rod	1.83	
12 59 16 00-0173	EA	Disassemble And Store 48" Draw Rod	1.92	
12 59 16 00-0174	EA	Disassemble And Store 57" Draw Rod	2.02	
12 59 16 00-0175	EA	Disassemble And Store 62" Draw Rod	2.11	
12 59 16 00-0176	EA	Disassemble And Store 80" Draw Rod	2.21	
12 59 16 00-0177	EA	Disassemble And Store 24" x 36" Hanging Work Surface	25.26	
12 59 16 00-0178	EA	Disassemble And Store 24" x 48" Hanging Work Surface	29.38	
12 59 16 00-0179	EA	Disassemble And Store 24" x 60" Hanging Work Surface	37.07	
12 59 16 00-0180	EA	Disassemble And Store 24" x 72" Hanging Work Surface	45.02	
12 59 16 00-0181	EA	Disassemble And Store 30" x 36" Hanging Work Surface	31.12	
12 59 16 00-0182	EA	Disassemble And Store 30" x 48" Hanging Work Surface	36.72	
12 59 16 00-0183	EA	Disassemble And Store 30" x 60" Hanging Work Surface	46.68	
12 59 16 00-0184	EA	Disassemble And Store 30" x 72" Hanging Work Surface	56.57	
12 59 16 00-0185	EA	Disassemble And Store 24" x 36" Corner Work Surface	40.01	
12 59 16 00-0186	EA	Disassemble And Store 30" x 60" Round End Peninsula	87.35	
12 59 16 00-0187	EA	Disassemble And Store 30" x 72" Round End Peninsula	95.44	
12 59 16 00-0188	EA	Disassemble And Store 14" x 24" Transaction Surface	12.06	
12 59 16 00-0189	EA	Disassemble And Store 14" x 36" Transaction Surface	13.72	
12 59 16 00-0190	EA	Disassemble And Store 14" x 48" Transaction Surface	15.39	
12 59 16 00-0191	EA	Disassemble And Store 14" x 60" Transaction Surface	19.14	
12 59 16 00-0192	EA	Disassemble And Store 14" x 72" Transaction Surface	23.00	
12 59 16 00-0193	EA	Disassemble And Store Right Angle Corner Transaction Surface	40.21	
12 59 16 00-0194	EA	Disassemble And Store Pencil Drawer	3.13	
12 59 16 00-0195	EA	Disassemble And Store 24" Shelf	11.75	
12 59 16 00-0196	EA	Disassemble And Store 36" Shelf	12.79	
12 59 16 00-0197	EA	Disassemble And Store 48" Shelf	13.65	
12 59 16 00-0198	EA	Disassemble And Store 24" Flipper Door	20.27	
12 59 16 00-0199	EA	Disassemble And Store 36" Flipper Door	23.67	
12 59 16 00-0200	EA	Disassemble And Store 48" Flipper Door	27.14	
12 59 16 00-0201	EA	Disassemble And Store Task Light, Herman Miller Action Office	13.92	

12 59 16 00-0202 Reconfigure *(12 59 16 00-0032)*

12 59 16 00-0203	EA	Reconfigure 32H 24W Panel	43.29	
12 59 16 00-0204	EA	Reconfigure 32H 30W Panel	45.56	
12 59 16 00-0205	EA	Reconfigure 32H 36W Panel	48.05	
12 59 16 00-0206	EA	Reconfigure 32H 48W Panel	50.70	
12 59 16 00-0207	EA	Reconfigure 39H 24W Panel	45.29	
12 59 16 00-0208	EA	Reconfigure 39H 30W Panel	47.60	
12 59 16 00-0209	EA	Reconfigure 39H 36W Panel	50.28	
12 59 16 00-0210	EA	Reconfigure 39H 48W Panel	53.08	
12 59 16 00-0211	EA	Reconfigure 47H 24W Panel	47.42	
12 59 16 00-0212	EA	Reconfigure 47H 30W Panel	50.04	
12 59 16 00-0213	EA	Reconfigure 47H 36W Panel	53.01	
12 59 16 00-0214	EA	Reconfigure 47H 48W Panel	56.16	
12 59 16 00-0215	EA	Reconfigure 62H 12W Panel	43.71	
12 59 16 00-0216	EA	Reconfigure 62H 24W Panel	50.28	
12 59 16 00-0217	EA	Reconfigure 62H 36W Panel	56.51	
12 59 16 00-0218	EA	Reconfigure 62H 48W Panel	60.01	
12 59 16 00-0219	EA	Reconfigure 67H 12W Panel	45.66	
12 59 16 00-0220	EA	Reconfigure 67H 24W Panel	52.52	
12 59 16 00-0221	EA	Reconfigure 67H 36W Panel	58.99	
12 59 16 00-0222	EA	Reconfigure 67H 48W Panel	62.50	
12 59 16 00-0223	EA	Reconfigure 85H 12W Panel	48.24	
12 59 16 00-0224	EA	Reconfigure 85H 24W Panel	55.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0225	EA	Reconfigure 85H 36W Panel	62.76	
12 59 16 00-0226	EA	Reconfigure 85H 48W Panel	66.49	
12 59 16 00-0227	EA	Reconfigure 32" Two-Way 90 Connector	10.34	
12 59 16 00-0228	EA	Reconfigure 39" Two-Way 90 Connector	11.14	
12 59 16 00-0229	EA	Reconfigure 47" Two-Way 90 Connector	12.07	
12 59 16 00-0230	EA	Reconfigure 62" Two-Way 90 Connector	13.89	
12 59 16 00-0231	EA	Reconfigure 67" Two-Way 90 Connector	14.68	
12 59 16 00-0232	EA	Reconfigure 85" Two-Way 90 Connector	15.69	
12 59 16 00-0233	EA	Reconfigure 32" Three-Way 90 Connector	16.49	
12 59 16 00-0234	EA	Reconfigure 39" Three-Way 90 Connector	17.74	
12 59 16 00-0235	EA	Reconfigure 47" Three-Way 90 Connector	19.05	
12 59 16 00-0236	EA	Reconfigure 62" Three-Way 90 Connector	22.05	
12 59 16 00-0237	EA	Reconfigure 67" Three-Way 90 Connector	23.71	
12 59 16 00-0238	EA	Reconfigure 85" Three-Way 90 Connector	26.81	
12 59 16 00-0239	EA	Reconfigure 32" Four-Way 90 Connector	20.83	
12 59 16 00-0240	EA	Reconfigure 39" Four-Way 90 Connector	22.47	
12 59 16 00-0241	EA	Reconfigure 47" Four-Way 90 Connector	24.14	
12 59 16 00-0242	EA	Reconfigure 62" Four-Way 90 Connector	28.99	
12 59 16 00-0243	EA	Reconfigure 67" Four-Way 90 Connector	30.56	
12 59 16 00-0244	EA	Reconfigure 85" Four-Way 90 Connector	35.23	
12 59 16 00-0245	EA	Reconfigure 32" Finished End	3.65	
12 59 16 00-0246	EA	Reconfigure 39" Finished End	3.86	
12 59 16 00-0247	EA	Reconfigure 47" Finished End	4.10	
12 59 16 00-0248	EA	Reconfigure 62" Finished End	4.41	
12 59 16 00-0249	EA	Reconfigure 67" Finished End	4.60	
12 59 16 00-0250	EA	Reconfigure 85" Finished End	4.85	
12 59 16 00-0251	EA	Reconfigure Change Of Height Draw Rod	3.53	
12 59 16 00-0252	EA	Reconfigure Cable/Energy Barrier (Connector)	2.58	
12 59 16 00-0253	EA	Reconfigure 27" Draw Rod	2.05	
12 59 16 00-0254	EA	Reconfigure 34" Draw Rod	2.17	
12 59 16 00-0255	EA	Reconfigure 42" Draw Rod	2.28	
12 59 16 00-0256	EA	Reconfigure 48" Draw Rod	2.39	
12 59 16 00-0257	EA	Reconfigure 57" Draw Rod	2.50	
12 59 16 00-0258	EA	Reconfigure 62" Draw Rod	2.60	
12 59 16 00-0259	EA	Reconfigure 80" Draw Rod	2.74	
12 59 16 00-0260	EA	Reconfigure 24" x 36" Hanging Work Surface	29.89	
12 59 16 00-0261	EA	Reconfigure 24" x 48" Hanging Work Surface	35.48	
12 59 16 00-0262	EA	Reconfigure 24" x 60" Hanging Work Surface	44.87	
12 59 16 00-0263	EA	Reconfigure 24" x 72" Hanging Work Surface	54.56	
12 59 16 00-0264	EA	Reconfigure 30" x 36" Hanging Work Surface	37.63	
12 59 16 00-0265	EA	Reconfigure 30" x 48" Hanging Work Surface	44.45	
12 59 16 00-0266	EA	Reconfigure 30" x 60" Hanging Work Surface	56.58	
12 59 16 00-0267	EA	Reconfigure 30" x 72" Hanging Work Surface	68.64	
12 59 16 00-0268	EA	Reconfigure 24" x 36" Corner Work Surface	48.43	
12 59 16 00-0269	EA	Reconfigure 30" x 60" Round End Peninsula	103.07	
12 59 16 00-0270	EA	Reconfigure 30" x 72" Round End Peninsula	112.34	
12 59 16 00-0271	EA	Reconfigure 14" x 24" Transaction Surface	14.56	
12 59 16 00-0272	EA	Reconfigure 14" x 36" Transaction Surface	16.60	
12 59 16 00-0273	EA	Reconfigure 14" x 48" Transaction Surface	18.62	
12 59 16 00-0274	EA	Reconfigure 14" x 60" Transaction Surface	23.19	
12 59 16 00-0275	EA	Reconfigure 14" x 72" Transaction Surface	27.87	
12 59 16 00-0276	EA	Reconfigure Right Angle Corner Transaction Surface	45.27	
12 59 16 00-0277	EA	Reconfigure Pencil Drawer	3.89	
12 59 16 00-0278	EA	Reconfigure 24" Shelf	14.49	
12 59 16 00-0279	EA	Reconfigure 36" Shelf	15.79	
12 59 16 00-0280	EA	Reconfigure 48" Shelf	16.89	
12 59 16 00-0281	EA	Reconfigure 24" Flipper Door	24.74	
12 59 16 00-0282	EA	Reconfigure 36" Flipper Door	28.93	
12 59 16 00-0283	EA	Reconfigure 48" Flipper Door	33.24	
12 59 16 00-0284	EA	Reconfigure Task Light	18.44	

12 59 16 00-0285 Steelcase Systems Furniture *(12 59 16)*

12 59 16 00-0286	EA	Standard Workstation, Type 1, Components Only (Steelcase TYP 1 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	8,181.76	
12 59 16 00-0287	EA	Standard Workstation, Type 2, Components Only (Steelcase TYP 2 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	6,884.62	
12 59 16 00-0288	EA	Standard Workstation, Type 3, Components Only (Steelcase TYP 3 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	6,447.97	
12 59 16 00-0289	EA	Standard Workstation, Type 4, Components Only (Steelcase TYP 4 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	5,126.38	
12 59 16 00-0290	EA	Private Office, Type 1, Components Only (Steelcase PO-1 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	27,427.55	
12 59 16 00-0291	EA	Private Office, Type 2, Components Only (Steelcase PO-2 COMP LH/RH) Note: Labor cost is for installation of complete workstation including components, wall panels, power kit, furniture, etc.	19,799.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 16 00-0292	EA	Fabric/Steel Panel, 24" (Steelcase PFS-24) Note: Task to be used in conjunction with standard workstation types.	568.93	
12 59 16 00-0293	EA	Fabric/Steel Panel, 30" (Steelcase PFS-30) Note: Task to be used in conjunction with standard workstation types.	609.63	
12 59 16 00-0294	EA	Fabric/Steel Panel, 36" (Steelcase PFS-36) Note: Task to be used in conjunction with standard workstation types.	646.89	
12 59 16 00-0295	EA	Fabric/Steel Panel, 42" (Steelcase PFS-42) Note: Task to be used in conjunction with standard workstation types.	690.30	
12 59 16 00-0296	EA	Fabric/Steel Panel, 48" (Steelcase PFS-48) Note: Task to be used in conjunction with standard workstation types.	733.00	
12 59 16 00-0297	EA	Fabric/Steel Panel, 60" (Steelcase PFS-60) Note: Task to be used in conjunction with standard workstation types.	845.58	
12 59 16 00-0298	EA	Fabric/Steel Panel, 72" (Steelcase PFS-72) Note: Task to be used in conjunction with standard workstation types.	962.20	
12 59 16 00-0299	EA	Fabric/Fabric Panel, 24" (Steelcase PFF-24) Note: Task to be used in conjunction with standard workstation types.	560.79	
12 59 16 00-0300	EA	Fabric/Fabric Panel, 30" (Steelcase PFF-30) Note: Task to be used in conjunction with standard workstation types.	599.44	
12 59 16 00-0301	EA	Fabric/Fabric Panel, 36" (Steelcase PFF-36) Note: Task to be used in conjunction with standard workstation types.	636.72	
12 59 16 00-0302	EA	Fabric/Fabric Panel, 42" (Steelcase PFF-42) Note: Task to be used in conjunction with standard workstation types.	680.80	
12 59 16 00-0303	EA	Fabric/Fabric Panel, 48" (Steelcase PFF-48) Note: Task to be used in conjunction with standard workstation types.	724.17	
12 59 16 00-0304	EA	Fabric/Fabric Panel, 60" (Steelcase PFF-60) Note: Task to be used in conjunction with standard workstation types.	835.42	
12 59 16 00-0305	EA	Fabric/Fabric Panel, 72" (Steelcase PFF-72) Note: Task to be used in conjunction with standard workstation types.	954.06	
12 59 16 00-0306	EA	Touchdown Host Desk (Steelcase TD)	2,573.14	
12 59 16 00-0307	EA	Power Kit, 24" - 48" (Steelcase PK-24, 30, 36, 42 or 48) Note: Task to be used in conjunction with standard workstation types.	122.06	
12 59 16 00-0308	EA	Power Kit, 60" - 72" (Steelcase PK-60 or 72) Note: Task to be used in conjunction with standard workstation types.	185.12	
12 59 16 00-0309	EA	Receptacle (Steelcase RECPT) Note: Task to be used in conjunction with standard workstation types.	24.42	
12 59 16 00-0310	EA	Base Power, 6' (Steelcase BPI-6) Note: Task to be used in conjunction with standard workstation types.	153.25	
12 59 16 00-0311	EA	Base Power, 12' (Steelcase BPI-12) Note: Task to be used in conjunction with standard workstation types.	164.09	
12 59 16 00-0312	EA	End Trim, 54" (Steelcase E54) Note: Task to be used in conjunction with standard workstation types.	175.62	
12 59 16 00-0313	EA	In Line Trim, 54" (Steelcase I54) Note: Task to be used in conjunction with standard workstation types.	120.70	
12 59 16 00-0314	EA	L Junction, 54" (Steelcase L54) Note: Task to be used in conjunction with standard workstation types.	302.41	
12 59 16 00-0315	EA	T Junction (Steelcase T54) Note: Task to be used in conjunction with standard workstation types.	302.47	
12 59 16 00-0316	EA	X Junction (Steelcase X54) Note: Task to be used in conjunction with standard workstation types.	287.51	
12 59 16 00-0317	EA	Junction Cap Aligner (Steelcase JC) Note: Task to be used in conjunction with standard workstation types.	47.47	
12 59 16 00-0318	EA	Junction Block, 90 Degree Corner (3) (Steelcase J90) Note: Task to be used in conjunction with standard workstation types.	20.34	
12 59 16 00-0319	EA	Light Seal, 54" (Steelcase LS54) Note: Task to be used in conjunction with standard workstation types.	13.56	
12 59 16 00-0320	EA	Think Chair, Arms and Casters - Task Chair (Steelcase 46543100)	998.01	
12 59 16 00-0321	EA	Think Chair, No Arms, Casters - Conference Chair (Steelcase 46543000)	820.61	
12 59 16 00-0322	EA	Move Chair, No Arms, No Casters (Glides) (Steelcase 490410P)	192.23	
12 59 16 00-0323	EA	Move Chair, Arms, No Casters (Steelcase 490410CP)	233.75	
12 59 16 00-0324	EA	Move Chair, No Arms, Casters (Steelcase 490410C)	330.34	
12 59 16 00-0325	EA	Training Table, 60" x 20" (Akira AK6020RTC)	1,126.25	
12 59 16 00-0326	EA	Conference Table, 30" x 59.75" (Steelcase BFS3060)	647.58	
12 59 16 00-0327	EA	Conference Table, 30" x 47.75" (Steelcase BFS3048)	610.97	
12 59 16 00-0328	EA	Round Conference Table, 36" Diameter With Base (Steelcase BFR36)	466.52	
12 59 16 00-0329	EA	Round Conference Table, 42" Diameter With Base (Steelcase BFR42)	551.96	
12 59 16 00-0330	EA	Round Conference Table, 48" Diameter With Base (Steelcase BFR48)	579.77	
12 59 16 00-0331	EA	Rectangle Conference Table, 36" x 72" (Steelcase BFRR3672)	793.39	
12 59 16 00-0332	EA	Rectangle Conference Table, 42" x 84" (Steelcase BFRR4284)	1,084.91	
12 59 16 00-0333	EA	Task Light (Steelcase DSLEDF)	289.78	
12 59 16 00-0334	EA	Markerboard, 48" x 48" (Claridge S14x4LCS)	449.10	
12 59 16 00-0335	EA	Lateral File, 3 Drawer - 36" W (Steelcase RLF18363P)	1,062.34	
12 59 16 00-0336	EA	Tower, Open Side Shelf (Steelcase TS2TWS54RC)	1,528.73	
12 59 16 00-0337	EA	Tower, Closed Side (Steelcase TS2TW66LC)	1,344.37	
12 59 16 00-0338	EA	Pedestal File - Mobile (Steelcase RPM2421CP)	861.17	
12 59 16 00-0339	EA	Wardrobe, Fixed Shelf, Coat Rod (Steelcase RWC24306DP)	1,111.64	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

12 61 13 Upholstered Audience Seating *(12 61)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0001		**Upholstered Audience Seating** *(12 61 13)*		
12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4)	559.07	59.06
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-64.60*	
		For >249 To 749, Deduct	*-77.52*	
		For >749, Deduct	*-86.14*	
		For Up To 9, Add	*702.01*	
		For >9 To 24, Add	*279.94*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4)	586.94	59.06
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-68.78*	
		For >249 To 749, Deduct	*-82.54*	
		For >749, Deduct	*-91.71*	
		For Up To 9, Add	*701.58*	
		For >9 To 24, Add	*279.72*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4)	713.37	59.06
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-87.75*	
		For >249 To 749, Deduct	*-105.30*	
		For >749, Deduct	*-117.00*	
		For Up To 9, Add	*701.98*	
		For >9 To 24, Add	*280.79*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)	741.61	59.06
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	*-91.98*	
		For >249 To 749, Deduct	*-110.38*	
		For >749, Deduct	*-122.64*	
		For Up To 9, Add	*699.07*	
		For >9 To 24, Add	*282.08*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)	492.83	59.06
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-54.67*	
		For >249 To 749, Deduct	*-65.60*	
		For >749, Deduct	*-72.89*	
		For Up To 9, Add	*703.37*	
		For >9 To 24, Add	*280.62*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4)	498.40	59.06
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-55.50*	
		For >249 To 749, Deduct	*-66.60*	
		For >749, Deduct	*-74.00*	
		For Up To 9, Add	*703.02*	
		For >9 To 24, Add	*281.21*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)	522.33	59.06
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-59.09*	
		For >249 To 749, Deduct	*-70.91*	
		For >749, Deduct	*-78.79*	
		For Up To 9, Add	*701.21*	
		For >9 To 24, Add	*279.70*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)	380.92	59.06
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	*-37.88*	
		For >249 To 749, Deduct	*-45.46*	
		For >749, Deduct	*-50.51*	
		For Up To 9, Add	*691.93*	
		For >9 To 24, Add	*277.78*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	423.00	59.06
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	*-44.19*	
		For >249 To 749, Deduct	*-53.03*	
		For >749, Deduct	*-58.92*	
		For Up To 9, Add	*692.33*	
		For >9 To 24, Add	*276.93*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	585.28	59.06
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-68.53*	
		For >249 To 749, Deduct	*-82.24*	
		For >749, Deduct	*-91.38*	
		For Up To 9, Add	*726.46*	
		For >9 To 24, Add	*292.41*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	607.89	59.06
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-71.93*	
		For >249 To 749, Deduct	*-86.31*	
		For >749, Deduct	*-95.90*	
		For Up To 9, Add	*695.28*	
		For >9 To 24, Add	*278.11*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*31.15*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.75*	

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	183.46
		For >100 To 249, Deduct	*-25.59*
		For >249 To 749, Deduct	*-30.71*
		For >749, Deduct	*-34.13*
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	186.74
		For >100 To 249, Deduct	*-26.09*
		For >249 To 749, Deduct	*-31.30*
		For >749, Deduct	*-34.78*
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	195.30
		For >100 To 249, Deduct	*-27.37*
		For >249 To 749, Deduct	*-32.84*
		For >749, Deduct	*-36.49*
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	183.46
		For >100 To 249, Deduct	*-25.59*
		For >249 To 749, Deduct	*-30.71*
		For >749, Deduct	*-34.13*
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	196.02
		For >100 To 249, Deduct	*-27.48*
		For >249 To 749, Deduct	*-32.97*
		For >749, Deduct	*-36.64*
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	14.70

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0002		Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*		
12 62 23 00-0003	SEA	2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat	185.68	4.79
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	
12 62 23 00-0004		Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*		
		Note: Includes side and back fence.		
12 62 23 00-0005	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	245.66	4.79
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	280.52	5.03
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher	292.81	5.27
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0008		Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*		
		Note: Includes side and back fence and center aisle with rails.		
12 62 23 00-0009	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	387.42	5.39
		Note: Including side and back fence and center aisle with handrails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	443.46	5.66
		Note: Including side and back fence and center aisle with handrails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher	481.21	5.99
		Note: Including side and back fence and center aisle with handrails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 66 Telescoping Stands *(12 60)*

12 66 13 Telescoping Bleachers *(12 66)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0001		Wall Mounted Telescoping Bleachers *(12 66 13)*		
		Note: Includes column cutouts, manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additonal optional accessories.		
12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	303.63	27.85
		For Aluminum Seating And Walks, Add	*104.50*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	345.77	36.28
		For Aluminum Seating And Walks, Add	*120.89*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	391.93	37.42
		For Aluminum Seating And Walks, Add	*139.09*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	426.26	38.28
		For Aluminum Seating And Walks, Add	*151.96*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	312.28	27.85
		For Aluminum Seating And Walks, Add	*108.39*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	362.90	36.28
		For Aluminum Seating And Walks, Add	*128.60*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	415.13	37.42
		For Aluminum Seating And Walks, Add	*149.53*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	455.83	38.28
		For Aluminum Seating And Walks, Add	*165.27*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	321.00	27.85
		For Aluminum Seating And Walks, Add	*112.32*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	380.02	36.28
		For Aluminum Seating And Walks, Add	*136.30*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	438.58	37.42
		For Aluminum Seating And Walks, Add	*160.08*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	518.06	38.28
		For Aluminum Seating And Walks, Add	*178.49*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0014 Portable Telescoping Bleachers *(12 66 13)*

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing	337.70	27.85
		For Aluminum Seating And Walks, Add	*119.83*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	386.06	36.28
		For Aluminum Seating And Walks, Add	*139.02*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	438.29	37.42
		For Aluminum Seating And Walks, Add	*159.95*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	476.92	38.28
		For Aluminum Seating And Walks, Add	*174.76*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

12 66 13 00-0019 Options And Accessories *(12 66 13)*

12 66 13 00-0020	EA	Removable Center Railing, Single Sphere	238.58	5.00
12 66 13 00-0021	LF	Removable Center Railing, Single Rail	82.05	5.00
12 66 13 00-0022	EA	Self Storing Side Railing	271.92	5.71
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails	185.87	4.43
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish	17.73	1.43
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish	43.29	1.43
12 66 13 00-0026	SF	Rear Filler Panel	62.58	0.71
12 66 13 00-0027	EA	4' Scorer/Timer Table	504.09	24.28
12 66 13 00-0028	EA	8' Scorer/Timer Table	630.29	37.14
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units	11,733.56	
12 66 13 00-0030	PR	Portable Dolly For Portable Units	13,161.49	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation	3.61	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.80	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread	216.77	42.85
		For Intermediate Steps, Add	*21.68*	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread	581.92	57.14
		For Intermediate Steps, Add	*58.19*	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread	172.52	17.86
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread	125.86	17.86
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing	788.84	53.56
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing	1,617.42	78.56
12 66 13 00-0039	EA	Portable Operator's Handle	450.74	

END OF SECTION 12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 01 Operation and Maintenance of Special Construction *(13)*

13 01 10 Operation and Maintenance of Special Facility Components *(13 01)*

13 01 11 Operation and Maintenance of Swimming Pools *(13 01 10)*

13 01 11 11 Operation and Maintenance of Swimming Pools *(13 01 11)*

13 01 11 11-0001 Pool Restoration Items *(13 01 11 11)*

13 01 11 11-0002	LF	Saw Cutting Pool Floor	15.01	
13 01 11 11-0003	SF	Demolish Pool Floor	27.29	
13 01 11 11-0004	LF	Demolish Pool Gutter Lip	38.20	
13 01 11 11-0005	LF	Demolish Pool Coping	22.74	
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster	12.24	
13 01 11 11-0007	LF	Install Pool Coping	106.50	
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations	636.75	
13 01 11 11-0009	EA	Coring For Pool Wall Inlets	218.31	
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets	363.85	
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture	727.71	
13 01 11 11-0012	EA	12 Volt, LED Pool Light	932.32	
13 01 11 11-0013	EA	Bond/Set Pool Anchors	191.24	
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors	549.81	
13 01 11 11-0015	LF	Form Pool Gutter	25.47	
13 01 11 11-0016	LF	Float Pool Gutter Lip	38.20	
13 01 11 11-0017	LF	Theroseal Pool Gutter	13.98	
13 01 11 11-0018	SF	Theroseal Pool Surge Tank	11.18	
13 01 11 11-0019	SF	Paint Pool, Per Coat	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
13 01 11 11-0020	SF	Paint Pool, Epoxy Or Urethane Base, Per Coat	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.15*	
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
13 01 11 11-0021	EA	Pool Start-up	11,842.83	
13 01 11 11-0022	SF	Up To 1/2" Thick Troweled Pool Plaster	5.93	
		For Radius Or Irregular Surface, Add	*2.07*	
		For Up To 25, Add	*1.37*	
		For >25 To 50, Add	*0.81*	
		For >50 To 150, Add	*0.39*	
13 01 11 11-0023	SF	>1/2" To 1" Thick Troweled Pool Plaster	8.47	
		For Radius Or Irregular Surface, Add	*2.99*	
		For Up To 25, Add	*1.97*	
		For >25 To 50, Add	*1.17*	
		For >50 To 150, Add	*0.56*	
13 01 11 11-0024	SF	1" x 1" Glass Pool Tile Sheet	21.25	2.13
13 01 11 11-0025	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet	25.74	2.13
13 01 11 11-0026	SF	6" x 6" Porcelain Pool Tile	31.40	2.13

13 01 11 11-0027 Swimming Pool Plaster Restoration *(13 01 11 11)*

13 01 11 11-0028	SF	Chip, Clean And Repair Plaster Up To 10 SF On Swimming Pool	43.03	
13 01 11 11-0029	SF	Chip, Clean And Repair Plaster >10 To 50 SF On Swimming Pool	31.21	
13 01 11 11-0030	SF	Chip, Clean And Repair Plaster >50 To 250 SF On Swimming Pool	22.94	
13 01 11 11-0031	SF	Chip, Clean And Repair Plaster >250 To 1,000 SF On Swimming Pool	18.21	
13 01 11 11-0032	SF	Chip, Clean And Repair Plaster >1,000 SF On Swimming Pool	13.49	

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		See CSI section 22 51 19 00-0043 for diatomite type filter system.		
13 11 46 00-0001		**Diving Stand** *(13 11 46)*		
13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	33,232.16	3,570.85
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	37,487.77	3,570.85
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	19,583.80	1,428.34
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	23,015.35	1,428.34
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	7,239.82	662.75
13 11 46 00-0007		**Diving Boards** *(13 11 46)*		
13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	9,291.00	528.48
		For Wheel Adjuster, Add	*127.82*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	6,002.10	528.48
		For Wheel Adjuster, Add	*127.82*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	3,326.02	438.50
		For Wheel Adjuster, Add	*117.82*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	4,352.84	468.49
		For Wheel Adjuster, Add	*121.14*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	5,357.53	499.92
		For Wheel Adjuster, Add	*124.60*	
13 11 46 00-0013		**Heavy-Duty Ladders** *(13 11 46)*		
13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	1,791.04	204.25
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	2,659.03	204.25
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	2,056.63	235.68
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	3,269.01	235.68
13 11 46 00-0018		**Lifeguard Chair** *(13 11 46)*		
13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	4,620.78	528.48
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	6,012.07	528.48
13 11 46 00-0021		**Underwater Lights** *(13 11 46)*		
13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	464.22	141.25
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	455.87	141.25
13 11 46 00-0024		**Pool Covers** *(13 11 46)*		
		Note: Includes cover straps and tension springs.		
13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	16.23	6.71
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	16.22	6.71
13 11 46 00-0027		**Slides With Water Tube** *(13 11 46)*		
13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide	6,677.22	803.44
13 11 46 00-0029		**Curved Slides With Water Tube** *(13 11 46)*		
13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water	12,939.34	1,093.10
13 11 46 00-0031		**Pool Equipment And Accessories** *(13 11 46)*		
13 11 46 00-0032	EA	Swim Lift, Vertical, Stainless Steel, In Pool Mount Note: Spectrum #5030.	8,155.09	
13 11 46 00-0033	EA	Swim Lift, With Arm, Stainless Steel, Deck Mount Note: Spectrum Traveler XRC #26705.	11,969.40	
13 11 46 00-0034	EA	Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High Note: Paragon #37-164 "Lookout Dual Side Mount".	9,418.53	535.62
13 11 46 00-0035	EA	Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High Note: Paragon #37-164 "Lookout Platform".	15,554.35	571.34
13 11 46 00-0036	EA	Lifeguard Chair, Stainless Steel, 6' High Note: Paragon #38-005 "OSHA Guard Chair".	10,135.56	571.34
13 11 46 00-0037	EA	Lifeguard Chair, Stainless Steel, 6' High Note: Paragon #38-010 "Ultraflyte Guard Chair".	8,684.44	571.34
13 11 46 00-0038	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness Note: Requires four anchors sockets and escutcheons. Paragon #36-070.	1,734.95	142.84
13 11 46 00-0039	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness Note: Requires four anchors sockets and escutcheons. Paragon #36-075.	1,948.53	142.84
13 11 46 00-0040	EA	Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube	302.72	
13 11 46 00-0041	EA	Stainless Steel Escutcheon For 1.90" Outside Diameter Tube	54.56	
13 11 46 00-0042	EA	Rope Anchor	48.51	
13 11 46 00-0043	EA	Stanchion Post Socket	279.80	
13 11 46 00-0044	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness Note: Requires two anchors sockets and escutcheons.	886.70	71.41
		For 3-Bend Handrail, Add	*26.04*	
13 11 46 00-0045	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness Note: Requires two anchors sockets and escutcheons.	1,033.16	71.41
		For 3-Bend Handrail, Add	*31.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0046	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness Note: Requires two anchors sockets and escutcheons.	947.73	71.41
		For 3-Bend Handrail, Add	*28.17*	
13 11 46 00-0047	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness Note: Requires two anchors sockets and escutcheons.	1,112.49	71.41
		For 3-Bend Handrail, Add	*33.94*	
13 11 46 00-0048	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness Note: Requires two anchors sockets and escutcheons.	1,017.29	71.41
		For 3-Bend Handrail, Add	*30.61*	
13 11 46 00-0049	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness Note: Requires two anchors sockets and escutcheons.	1,189.38	71.41
		For 3-Bend Handrail, Add	*36.63*	
13 11 46 00-0050	EA	1 Meter High Aluminum Diving Stand With Stainless Steel Handrail Note: Requires deck anchor set and diving board.	19,994.85	1,428.34
13 11 46 00-0051	EA	3 Meter High Aluminum Diving Stand With Stainless Steel Handrail Note: Requires deck anchor set and diving board.	39,414.25	2,856.68
13 11 46 00-0052	SET	Bronze Deck Anchor (Set of 8)	1,184.58	
13 11 46 00-0053	EA	16' Duraflex Diving Board	7,089.07	142.84
13 11 46 00-0054	EA	Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.	44,328.49	2,856.68

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001 Fountains/Aerators *(13 12 13)*

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,391.23	189.19
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,638.48	193.35
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,673.79	198.03
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,803.94	202.71
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,935.33	207.91
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,216.40	213.10
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	7,106.99	218.82
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,879.18	224.54
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,955.08	230.78
13 12 13 00-0011	EA	Aerator Nozzle	902.85	103.95

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	99.36	9.58

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	154.56	10.78

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free-standing base buildings have a live load of 12 pounds per square foot (PSF) and a wind load of 16.4 pounds per square foot (PSF) (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0003		20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.42	8.46
		For 20' To 29' In Length Only, Add	*2.97*	
		For 30' To 49' In Length Only, Add	*2.33*	
		For 50' To 69' In Length Only, Add	*1.36*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.47*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.53*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.59*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.06*	
		For Single Slope Frame Roof, Add	*1.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.15*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.60	9.29
		For 20' To 29' In Length Only, Add	*3.06*	
		For 30' To 49' In Length Only, Add	*2.40*	
		For 50' To 69' In Length Only, Add	*1.40*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.79*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.00*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.58*	
		For Single Slope Frame Roof, Add	*1.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.90*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.25*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.06	10.25
		For 20' To 29' In Length Only, Add	*3.14*	
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.02*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.09*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.47*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.17*	
		For Single Slope Frame Roof, Add	*1.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.96*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.37*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.73	11.20
		For 20' To 29' In Length Only, Add	*3.29*	
		For 30' To 49' In Length Only, Add	*2.58*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.10*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.84*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.58*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.41*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.98*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.82*	
		For Single Slope Frame Roof, Add	*1.73*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.03*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	39.49	12.17
		For 20' To 29' In Length Only, Add	*3.46*	
		For 30' To 49' In Length Only, Add	*2.72*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.18*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.74*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.50*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*9.48*	
		For Single Slope Frame Roof, Add	*1.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.11*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	43.37	13.06
		For 20' To 29' In Length Only, Add	*3.99*	
		For 30' To 49' In Length Only, Add	*3.13*	
		For 50' To 69' In Length Only, Add	*1.83*	
		For 70' To 99' In Length Only, Add	*0.76*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.30*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*3.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*4.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*8.24*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*10.41*	
		For Single Slope Frame Roof, Add	*2.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.22*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	48.76	14.98
		For 20' To 29' In Length Only, Add	*4.33*	
		For 30' To 49' In Length Only, Add	*3.41*	
		For 50' To 69' In Length Only, Add	*1.99*	
		For 70' To 99' In Length Only, Add	*0.82*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*3.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*4.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.85*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*9.26*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*11.70*	
		For Single Slope Frame Roof, Add	*2.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.95*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)

13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.84	6.73
		For 30' To 49' In Length Only, Add	*2.18*	
		For 50' To 69' In Length Only, Add	*1.27*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.24*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.98*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.72*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.96*	
		For Single Slope Frame Roof, Add	*1.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.57	7.33
		For 30' To 49' In Length Only, Add	*2.24*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.59*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.19*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.05*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.38*	
		For Single Slope Frame Roof, Add	*1.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.01*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.08	7.94
		For 30' To 49' In Length Only, Add	*2.29*	
		For 50' To 69' In Length Only, Add	*1.34*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.84*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.40*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.11*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.37*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.34*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.74*	
		For Single Slope Frame Roof, Add	*1.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.80*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.08*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.19	8.65
		For 30' To 49' In Length Only, Add	*2.41*	
		For 50' To 69' In Length Only, Add	*1.41*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.26*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.94*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.74*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.25*	
		For Single Slope Frame Roof, Add	*1.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.86*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.17*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.68	9.29
		For 30' To 49' In Length Only, Add	*2.64*	
		For 50' To 69' In Length Only, Add	*1.55*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.98*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.84*	
		For Single Slope Frame Roof, Add	*1.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.94*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.25*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.00	9.92
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.05*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.41*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.65*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.40*	
		For Single Slope Frame Roof, Add	*1.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.00*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.34*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.45	11.20
		For 30' To 49' In Length Only, Add	*2.97*	
		For 50' To 69' In Length Only, Add	*1.74*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.15*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.61*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*9.23*	
		For Single Slope Frame Roof, Add	*1.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.09*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)

13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.01	4.68
		For 30' To 49' In Length Only, Add	*1.90*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.28*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.61*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.56*	
		For Single Slope Frame Roof, Add	*1.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.81	4.92
		For 30' To 49' In Length Only, Add	*1.96*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.47*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.49*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.38*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.76*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.75*	
		For Single Slope Frame Roof, Add	*1.32*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.61	5.15
		For 30' To 49' In Length Only, Add	*2.02*	
		For 50' To 69' In Length Only, Add	*1.18*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.47*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.95*	
		For Single Slope Frame Roof, Add	*1.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.74*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.93	5.95
		For 30' To 49' In Length Only, Add	*2.14*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.15*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.24*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.75*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.50*	
		For Single Slope Frame Roof, Add	*1.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	24.79	6.62
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.29*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.74*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.24*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.97*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.71*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.95*	
		For Single Slope Frame Roof, Add	*1.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.92*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.56	7.30
		For 30' To 49' In Length Only, Add	*2.27*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.59*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.19*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.05*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.37*	
		For Single Slope Frame Roof, Add	*1.52*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.77*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.00*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.69	8.26
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.89*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.89*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.56*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.64*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.13*	
		For Single Slope Frame Roof, Add	*1.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.12*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0027		Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028		20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0029	GSF	10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.15	6.73
		For 20' To 29' In Length Only, Add	*2.86*	
		For 30' To 49' In Length Only, Add	*2.25*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.26*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.89*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.02*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.78*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0030	GSF	12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.08	7.33
		For 20' To 29' In Length Only, Add	*3.02*	
		For 30' To 49' In Length Only, Add	*2.37*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.81*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.64*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.25*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.15*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.01*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.98	7.94
		For 20' To 29' In Length Only, Add	*3.17*	
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.87*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.83*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.51*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.96*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.08*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.39	8.65
		For 20' To 29' In Length Only, Add	*3.41*	
		For 30' To 49' In Length Only, Add	*2.68*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.94*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.96*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.90*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.17*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0033	GSF	18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	33.53	9.31
		For 20' To 29' In Length Only, Add	*3.59*	
		For 30' To 49' In Length Only, Add	*2.82*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.01*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.02*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.37*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.05*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.96*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.25*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	35.67	9.99
		For 20' To 29' In Length Only, Add	*3.76*	
		For 30' To 49' In Length Only, Add	*2.96*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.07*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.28*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.78*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.02*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.34*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	40.09	11.39
		For 20' To 29' In Length Only, Add	*4.12*	
		For 30' To 49' In Length Only, Add	*3.24*	
		For 50' To 69' In Length Only, Add	*1.89*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.20*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*3.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.91*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.81*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*7.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*9.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.15*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0036 >30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.60	5.95
		For 30' To 49' In Length Only, Add	*2.06*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.71*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.42*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.21	6.50
		For 30' To 49' In Length Only, Add	*2.15*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.36*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.91*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.60*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.81*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.90*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.81	7.04
		For 30' To 49' In Length Only, Add	*2.23*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.77*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.29*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.94*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.52*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.10*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.19*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.97*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.50	7.56
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.38*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.06*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.68*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.30*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.79*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.04*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.20	8.10
		For 30' To 49' In Length Only, Add	*2.46*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.50*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.55*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.84*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.10*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	30.90	8.65
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.93*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.71*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.87*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*7.42*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.89*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.17*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.72	9.86
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.04*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*3.39*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.17*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*6.60*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*8.33*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.99*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.32*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.31	4.68
		For 30' To 49' In Length Only, Add	*1.97*	
		For 50' To 69' In Length Only, Add	*1.15*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.45*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.32*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.63*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.41	4.99
		For 30' To 49' In Length Only, Add	*2.05*	
		For 50' To 69' In Length Only, Add	*1.20*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.53*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.45*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.88*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0047	GSF	14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.46	5.32
		For 30' To 49' In Length Only, Add	*2.13*	
		For 50' To 69' In Length Only, Add	*1.25*	
		For 70' To 99' In Length Only, Add	*0.51*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.07*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.61*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.58*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.08*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.15*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.59	5.63
		For 30' To 49' In Length Only, Add	*2.22*	
		For 50' To 69' In Length Only, Add	*1.30*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.13*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.69*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.71*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.29*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.42*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.00	6.02
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.20*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.34*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.88*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.56*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0050	GSF	20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.28	6.34
		For 30' To 49' In Length Only, Add	*2.47*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.26*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.90*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.03*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.80*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.88*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF	24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.28	7.20
		For 30' To 49' In Length Only, Add	*2.71*	
		For 50' To 69' In Length Only, Add	*1.58*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.41*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*2.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.39*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*5.37*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.83*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.99*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.62	5.51
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.47*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.92*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.95*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.78*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.02	5.89
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.10*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.65*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.15*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.64*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.18*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.13	6.21
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.73*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.26*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.78*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.39*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.23	6.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.36*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.91*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.60*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.91*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	26.28	7.10
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.79*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.31*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.56*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.15*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.99*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*6.31*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.98*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.96	4.87
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.42*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.28*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.60*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.19	5.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.97*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.42*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.84*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.74*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.30	5.51
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.07*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.08*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.56*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.05*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.78*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.26	5.76
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.67*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.17*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.67*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.12	6.28
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.35*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.89*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.58*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.88*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.43	4.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.31*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.70*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.09*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.26	4.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.19*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.47*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.38*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.24	4.74
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.66*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.05	4.93
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.50*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.41*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.81*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.81*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.74	5.38
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.63*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.61*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*4.13*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.77*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.91	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.65*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.03*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.62	4.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.35*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.44	4.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.50*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.43*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.21	4.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.87*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.31*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.65*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.82	5.06
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.56*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*2.03*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.50*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.96*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*5.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.94	4.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.65*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.03*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.22*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.62	4.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.35*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.60	4.35
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.32*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.11*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.34*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.31	4.54
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.37*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.39*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.54*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	20.40	4.87
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.53*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.45*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.88*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.89	3.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.91*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.02*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.81*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.43	4.04
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.97*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.06	4.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.28*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.66*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.05*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.24*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.67	4.35
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.33*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.72*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.36*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	19.75	4.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.37*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.75*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.74*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.24	3.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.49*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.83*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.86	3.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.19*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.55*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.90*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.01*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.81*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.40	3.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.23*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.60*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.97*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.12*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.90	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.27*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.65*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.03*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.21*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.04	4.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.43*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.86*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.28*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.62*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.57*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0097		>160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*		
13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.98	3.59
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.12*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.46*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.80*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.85*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.51	3.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.16*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.51*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.86*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.95*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.08	3.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.21*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.57*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.93*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.06*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.62	3.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.25*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.62*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.99*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.16*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.61	4.29
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.40*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.81*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.23*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.54*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.47*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.72	3.45
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.74*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.10*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.44*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.77*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.80*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.18	3.59
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.14*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.48*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.82*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.88*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.76	3.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.18*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.54*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.89*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.99*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.33	3.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.22*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.59*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*1.96*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.10*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*3.92*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.34	4.16
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 20 Pounds Per Square Foot (PSF) (90 MPH) Wind Load, Add	*1.38*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 25 Pounds Per Square Foot (PSF) (100 MPH) Wind Load, Add	*1.79*	
		For 20 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*2.20*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 30 Pounds Per Square Foot (PSF) (110 MPH) Wind Load, Add	*3.48*	
		For 30 Pounds Per Square Foot (PSF) Live Load And 35 Pounds Per Square Foot (PSF) (120 MPH) Wind Load, Add	*4.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0109 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0065 for sliding windows.

13 34 19 00-0110 Metal Framing For Rough Openings *(13 34 19 00-0109)*

Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.

13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	477.22	143.43
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	709.22	185.69
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	806.08	176.08
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	865.53	179.29
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	915.91	185.69
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	462.57	143.43
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	520.69	163.02
13 34 19 00-0118	LF	Additional Girts	13.38	

13 34 19 00-0119 Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge wall panels.

13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	15.35	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	18.50	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	21.29	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	24.48	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0124		**Roofing Options For Metal Buildings** *(13 34 19 00-0109)* Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.62	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	26.66	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	28.34	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	29.70	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	214.39	55.06
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	27.14	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.40	0.41
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.55	0.41
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.75	0.54
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.00	0.54
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.47	0.54
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.67	0.41
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.82	0.41
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.96	0.54
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.16	0.54
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.56	0.54
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.59	0.41
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.76	0.41
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.07	0.54
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.27	0.54
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.64	0.54
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.49	0.41
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.58	0.41
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.77	0.54
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.18	0.54
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.50	0.41
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.60	0.41
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.80	0.54
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.23	0.54
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.95	0.41
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.08	0.41
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.28	0.54
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.71	0.54
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	48.36	9.99
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	73.15	7.18
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	98.79	16.00
		For End Braced (Up To 16' Wall Projection), Add	*23.10*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*13.22*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	82.53	13.45
		For End Braced (Up To 16' Wall Projection), Add	*19.29*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*11.04*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges.	62.68	11.53
		For End Braced (Up To 16' Wall Projection), Add	*14.52*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*8.25*	
13 34 19 00-0165	SF	Up To 20 SF, Heavy-Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.	109.92	16.00
		For End Braced (Up To 16' Wall Projection), Add	*25.88*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*14.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0166	SF	>20 To 50 SF, Heavy-Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.	93.66	13.45
		For End Braced (Up To 16' Wall Projection), Add	*22.07*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*12.70*	
13 34 19 00-0167	SF	>50 SF, Heavy-Duty, 140 MPH Winds, Prefinished Aluminum, Wall Hung Canopy Note: Up to 7' projection from wall. Includes finished underside and edges. 16 gauge internal frame, 1/2" or 3/4" support rods, 24 gauge soffit.	70.60	11.53
		For End Braced (Up To 16' Wall Projection), Add	*16.50*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*9.44*	
13 34 19 00-0168	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy Note: Includes finished underside and edges.	120.84	24.33
13 34 19 00-0169	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy Note: Includes finished underside and edges.	81.13	14.72
13 34 19 00-0170	LF	1' Standard Eave Overhang Without Soffit	47.19	
13 34 19 00-0171	LF	2' Standard Eave Overhang Without Soffit	59.05	
13 34 19 00-0172	LF	3' Standard Eave Overhang Without Soffit	71.19	
13 34 19 00-0173	LF	4' Standard Eave Overhang Without Soffit	83.14	
13 34 19 00-0174	LF	6' Standard Eave Overhang Without Soffit	106.70	
13 34 19 00-0175	LF	1' Standard Eave Overhang And 26 Gauge Soffit	62.99	
		For 24 Gauge, Add	*6.99*	
13 34 19 00-0176	LF	2' Standard Eave Overhang And 26 Gauge Soffit	78.75	
		For 24 Gauge, Add	*8.82*	
13 34 19 00-0177	LF	3' Standard Eave Overhang And 26 Gauge Soffit	94.75	
		For 24 Gauge, Add	*10.56*	
13 34 19 00-0178	LF	4' Standard Eave Overhang And 26 Gauge Soffit	110.72	
		For 24 Gauge, Add	*12.31*	
13 34 19 00-0179	LF	6' Standard Eave Overhang And 26 Gauge Soffit	141.56	
		For 24 Gauge, Add	*15.86*	

13 34 19 00-0180 Louvers And Vents For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0181	EA	4' x 3' Fixed Louver	757.83	199.78
13 34 19 00-0182	EA	12" Rotary Vent With Damper	459.84	128.06
13 34 19 00-0183	EA	20" Rotary Vent With Damper	812.38	170.96
13 34 19 00-0184	EA	24" Rotary Vent With Damper	1,077.41	192.10
13 34 19 00-0185	EA	Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	1,233.79	256.12
13 34 19 00-0186	EA	Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,315.91	256.12
13 34 19 00-0187	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,530.87	256.12
13 34 19 00-0188	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,672.35	256.12
13 34 19 00-0189	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,827.97	256.12
13 34 19 00-0190	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,983.59	256.12
13 34 19 00-0191	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,606.80	320.15
13 34 19 00-0192	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,861.46	320.15

13 34 19 00-0193 Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0194	LF	Pre-Engineered Standard Type Gutter, Painted	11.03	3.20
		For Galvanized Instead Of Painted, Deduct	*-1.16*	
13 34 19 00-0195	LF	Pre-Engineered Standard Type Downspout, Painted	10.81	4.49
		For Galvanized Instead Of Painted, Deduct	*-0.46*	

13 34 23 Fabricated Structures *(13 34)*

13 34 23 13 Portable and Mobile Buildings *(13 34 23)*

13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	472.45	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	405.33	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	324.45	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	256.69	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	229.36	

13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	71.60	
		For Each Delivery And Set-up (Block And Level), Add	*1,458.60*	
		For Each Knock-Down And Pick-Up, Add	*1,150.36*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0009	SF	Modular Trailers, Connected	100.24	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*3,233.09*	
		For Each Knock-Down And Pick-Up, Add	*2,495.67*	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	1,073.98	

13 34 23 13-0011 Portable and Mobile Trailer Accessories *(13 34 23 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0012		**Skirting** *(13 34 23 13-0011)* Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013		**Vinyl Covered, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	6.20	2.44
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	9.16	4.02
13 34 23 13-0016		**Fiberglass, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	11.59	4.60
13 34 23 13-0018	SF	3' High Fiberglass Skirt	13.48	5.60
13 34 23 13-0019		**Plywood, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	10.81	4.88
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	12.81	5.89
13 34 23 13-0022		**Steel, Painted, Exterior Only** *(13 34 23 13-0012)*		
13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	12.17	4.60
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	14.17	5.60
13 34 23 13-0025		**14" x 14" Access Hatch** *(13 34 23 13-0011)* Note: Simple design.		
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	305.69	107.85
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	273.45	107.85
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	303.65	107.85
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	305.32	107.85
13 34 23 13-0030		**Pole Anchor** *(13 34 23 13-0011)* Note: Joslyn.		
13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	72.89	30.69
13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	82.81	30.69
13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	110.93	34.52
13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	156.64	38.37
13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	179.03	42.20
13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	288.01	57.54
13 34 23 13-0037		**Aluminum Modular Access Ramp** *(13 34 23 13-0011)* Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,919.12	35.91
13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,962.23	46.69
13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,149.44	71.83
13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,779.67	71.83
13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,119.79	46.69
13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,076.68	35.91
13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,691.43	46.69
13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,042.98	46.69
13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,042.98	46.69
13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,600.34	46.69
13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	5,153.76	46.69
13 34 23 13-0049		**Relocate Portable And Mobile Trailer** *(13 34 23 13)* Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23 13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation Note: Includes securing interior, mounting tires, and mounting trailer hitch	966.94	
13 34 23 13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.	4,703.56	
13 34 23 13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer Note: Per trailer	425.45	
13 34 23 13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer Note: Per trailer	541.49	
13 34 23 13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer Note: Per trailer	657.52	
13 34 23 13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer Note: Per trailer	1,315.04	
13 34 23 13-0056	MI	Transportation And Delivery Of Trailer	20.85	
13 34 23 13-0057	EA	Re-connect 24' Wide Double Trailer Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.	9,296.00	
13 34 23 13-0058	EA	Set-up (Block And Level) Trailer, 8' Wide x Up To 35' Long Note: Per trailer	531.82	
13 34 23 13-0059	EA	Set-up (Block And Level) Trailer, 10' Wide x 40' To 50' Long Note: Per trailer	676.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0060	EA	Set-up (Block And Level) Trailer, 12' Wide x 45' To 60' Long Note: Per trailer	821.90	
13 34 23 13-0061	EA	Set-up (Block And Level) Trailer, 24' Wide x 45' To 60' Long Note: Per trailer	1,643.80	
13 34 23 13-0062	EA	Connection Straps To Anchor Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.	24.18	

13 34 23 14 Fabricated Classroom Buildings *(13 34 23)*

13 34 23 14-0001 Semi-Permanent Modular Transportable Buildings *(13 34 23 14)*

13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	106.68	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*3,233.09*	
		For Each Knock-Down And Pick-Up, Add	*2,495.67*	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	109.84	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-up (Block And Level), Add	*3,233.09*	
		For Each Knock-Down And Pick-Up, Add	*2,495.67*	

13 34 23 16 Fabricated Control Booths *(13 34 23)*

13 34 23 16-0001 Fabricated Parking Attendant Booths *(13 34 23 16)*

Note: Excludes foundations and slab.

13 34 23 16-0002	EA	Parking Booth For Attendant	2,155.41	

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001 Pavilion Style Metal Shelter Structures *(13 34 23 31)*

Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.

13 34 23 31-0002	EA	12' x 12', 8' Eve Height, Pavilion Style Metal Shelter Structure	13,731.52	3,416.68
		For >90 To 100 MPH Wind Load, Add	*1,167.18*	
		For >100 To 110 MPH Wind Load, Add	*1,338.82*	
		For >110 To 120 MPH Wind Load, Add	*1,716.44*	
		For >8' To 10' Eve Height At Perimeter, Add	*899.65*	
		For >10' To 12' Eve Height At Perimeter, Add	*1,678.35*	
		For >12' To 14' Eve Height At Perimeter, Add	*2,586.18*	
13 34 23 31-0003	EA	16' x 16', 8' Eve Height, Pavilion Style Metal Shelter Structure	16,723.79	4,097.97
		For >90 To 100 MPH Wind Load, Add	*1,421.52*	
		For >100 To 110 MPH Wind Load, Add	*1,630.57*	
		For >110 To 120 MPH Wind Load, Add	*2,090.47*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,090.65*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,031.24*	
		For >12' To 14' Eve Height At Perimeter, Add	*3,130.48*	
13 34 23 31-0004	EA	16' x 32', 8' Eve Height, Pavilion Style Metal Shelter Structure	23,486.86	6,146.95
		For >90 To 100 MPH Wind Load, Add	*1,996.38*	
		For >100 To 110 MPH Wind Load, Add	*2,289.97*	
		For >110 To 120 MPH Wind Load, Add	*2,935.86*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,564.03*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,934.94*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,519.84*	
13 34 23 31-0005	EA	20' x 20', 8' Eve Height, Pavilion Style Metal Shelter Structure	20,966.24	5,122.46
		For >90 To 100 MPH Wind Load, Add	*1,782.13*	
		For >100 To 110 MPH Wind Load, Add	*2,044.21*	
		For >110 To 120 MPH Wind Load, Add	*2,620.78*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,366.08*	
		For >10' To 12' Eve Height At Perimeter, Add	*2,543.35*	
		For >12' To 14' Eve Height At Perimeter, Add	*3,919.86*	
13 34 23 31-0006	EA	20' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure	26,576.76	6,403.08
		For >90 To 100 MPH Wind Load, Add	*2,259.02*	
		For >100 To 110 MPH Wind Load, Add	*2,591.23*	
		For >110 To 120 MPH Wind Load, Add	*3,322.10*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,724.21*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,205.02*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,940.41*	
13 34 23 31-0007	EA	20' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure	32,689.36	7,862.98
		For >90 To 100 MPH Wind Load, Add	*2,778.60*	
		For >100 To 110 MPH Wind Load, Add	*3,187.21*	
		For >110 To 120 MPH Wind Load, Add	*4,086.17*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,119.01*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,937.69*	
		For >12' To 14' Eve Height At Perimeter, Add	*6,069.98*	
13 34 23 31-0008	EA	24' x 24', 8' Eve Height, Pavilion Style Metal Shelter Structure	26,192.57	6,146.95
		For >90 To 100 MPH Wind Load, Add	*2,226.37*	
		For >100 To 110 MPH Wind Load, Add	*2,553.78*	
		For >110 To 120 MPH Wind Load, Add	*3,274.07*	
		For >8' To 10' Eve Height At Perimeter, Add	*1,685.79*	
		For >10' To 12' Eve Height At Perimeter, Add	*3,124.34*	
		For >12' To 14' Eve Height At Perimeter, Add	*4,817.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0009	EA	24' x 48', 8' Eve Height, Pavilion Style Metal Shelter Structure	42,600.85	9,566.20
		For >90 To 100 MPH Wind Load, Add	*3,621.07*	
		For >100 To 110 MPH Wind Load, Add	*4,153.58*	
		For >110 To 120 MPH Wind Load, Add	*5,325.11*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,705.90*	
		For >10' To 12' Eve Height At Perimeter, Add	*4,990.06*	
		For >12' To 14' Eve Height At Perimeter, Add	*7,698.10*	
13 34 23 31-0010	EA	30' x 30', 8' Eve Height, Pavilion Style Metal Shelter Structure	37,497.40	7,683.70
		For >90 To 100 MPH Wind Load, Add	*3,187.28*	
		For >100 To 110 MPH Wind Load, Add	*3,656.00*	
		For >110 To 120 MPH Wind Load, Add	*4,687.18*	
		For >8' To 10' Eve Height At Perimeter, Add	*2,321.29*	
		For >10' To 12' Eve Height At Perimeter, Add	*4,238.39*	
		For >12' To 14' Eve Height At Perimeter, Add	*6,545.08*	
13 34 23 31-0011	EA	30' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure	71,456.24	13,881.87
		For >90 To 100 MPH Wind Load, Add	*6,073.78*	
		For >100 To 110 MPH Wind Load, Add	*6,966.98*	
		For >110 To 120 MPH Wind Load, Add	*8,932.03*	
		For >8' To 10' Eve Height At Perimeter, Add	*4,377.69*	
		For >10' To 12' Eve Height At Perimeter, Add	*7,960.16*	
		For >12' To 14' Eve Height At Perimeter, Add	*12,297.52*	
13 34 23 31-0012	EA	40' x 40', 8' Eve Height, Pavilion Style Metal Shelter Structure	63,005.39	12,300.31
		For >90 To 100 MPH Wind Load, Add	*5,355.46*	
		For >100 To 110 MPH Wind Load, Add	*6,143.03*	
		For >110 To 120 MPH Wind Load, Add	*7,875.67*	
		For >8' To 10' Eve Height At Perimeter, Add	*3,849.49*	
		For >10' To 12' Eve Height At Perimeter, Add	*6,992.10*	
		For >12' To 14' Eve Height At Perimeter, Add	*10,803.18*	
13 34 23 31-0013	EA	40' x 60', 8' Eve Height, Pavilion Style Metal Shelter Structure	92,713.73	17,083.41
		For >90 To 100 MPH Wind Load, Add	*7,880.67*	
		For >100 To 110 MPH Wind Load, Add	*9,039.59*	
		For >110 To 120 MPH Wind Load, Add	*11,589.22*	
		For >8' To 10' Eve Height At Perimeter, Add	*5,580.79*	
		For >10' To 12' Eve Height At Perimeter, Add	*10,075.68*	
		For >12' To 14' Eve Height At Perimeter, Add	*15,577.09*	

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	13,653.85	969.81
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	32,370.54	1,298.59
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	137.70	9.19
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	103.52	9.19
13 42 63 16-0005	SF	Perforated Metal Crime Shield	99.46	3.80

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*
See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	74.25	11.28
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	92.00	11.28
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	120.66	11.28
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	134.05	11.28
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	262.06	22.56

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	40.17	11.28
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	51.81	11.28
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	63.50	11.28
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	70.94	11.28
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	132.17	22.56

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	93.97	33.84
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	121.01	45.12
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	165.00	56.40
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	121.01	45.12
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	130.31	45.12
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	229.36	90.24
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	162.57	56.40
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	93.97	33.84
13 46 13 00-0025		Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*		
13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	72.33	33.84
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	106.55	45.12
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	138.44	56.40
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	106.72	45.12
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	109.20	45.12
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	201.56	90.24
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	142.86	56.40
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	72.33	33.84
13 46 13 00-0034		Connectors *(13 46 13 00-0001)*		
13 46 13 00-0035		Copper Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	189.63	56.40
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	254.50	90.24
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	166.69	56.40
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	40.96	11.28
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	42.52	11.28
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	128.36	33.84
13 46 13 00-0042		Aluminum Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	146.05	56.40
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	211.73	90.24
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	140.74	56.40
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	30.93	11.28
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	91.99	33.84
13 46 13 00-0048		Bonding Plates *(13 46 13 00-0001)*		
13 46 13 00-0049		Copper Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	144.53	56.40
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	150.22	56.40
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	220.26	90.24
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	129.25	56.40
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	132.08	56.40
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	194.31	90.24
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	27.60	11.28
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	28.68	11.28
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	25.54	11.28
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	25.35	11.28
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	76.89	33.84
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	66.32	33.84
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	32.23	5.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	21.68	5.64
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	179.63	56.40

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001		Cathodic Joint Bond *(13 47 13 13)*		
		Note: Includes thermite welds with #4 or #6 AWG copper cable as indication per standard details.		
13 47 13 13-0002	EA	Cathodic Pipe Joint Bond	239.81	
13 47 13 13-0003	EA	Cathodic Fitting Joint Bond	418.98	
13 47 13 13-0004	EA	Cathodic Valve Joint Bond	359.25	
13 47 13 13-0005	EA	Cathodic Vault Joint Bond	299.54	
13 47 13 13-0006	EA	Cathodic Fire Hydrant Joint Bond	239.81	
13 47 13 13-0007		Anodes *(13 47 13 13)*		
13 47 13 13-0008		Magnesium Type, Conventional *(13 47 13 13-0007)*		
13 47 13 13-0009	EA	9 Lb. Magnesium Type Anodes	386.32	166.37
13 47 13 13-0010	EA	17 Lb. Magnesium Type Anodes	574.75	240.45
13 47 13 13-0011	EA	32 Lb. Magnesium Type Anode	789.35	309.34
13 47 13 13-0012	EA	48 Lb. Magnesium Type Anode	1,125.73	432.81
13 47 13 13-0013		Graphite Type *(13 47 13 13-0007)*		
		Note: Includes epoxy cap.		
13 47 13 13-0014	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	572.02	228.77
13 47 13 13-0015	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	903.10	319.46
13 47 13 13-0016	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	692.90	199.92
13 47 13 13-0017	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,074.86	266.90
13 47 13 13-0018		Rectifiers *(13 47 13 13)*		
13 47 13 13-0019		Air-Cooled, Silicon Type *(13 47 13 13-0018)*		
13 47 13 13-0020	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,210.05	324.86
13 47 13 13-0021	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,404.69	324.86
13 47 13 13-0022		Oil Immersed, Silicon Type *(13 47 13 13-0018)*		
13 47 13 13-0023	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,391.26	375.62
13 47 13 13-0024	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,599.80	375.62
13 47 13 13-0025		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0026	LB	Anode Backfill, Coke Breeze	1.10	0.41
13 47 13 13-0027		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 8	2,488.15	799.67
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 6	2,882.56	799.67
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 4	3,474.17	799.67
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2 - No 2	4,460.19	799.67
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2 - No 1	5,703.12	881.08
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 1/0	6,442.64	881.08
13 47 13 13-0034	MLF	Cathodic Protection Cable, OR2-No 2/0	7,675.17	881.08
13 47 13 13-0035	MLF	Cathodic Protection Cable, OR2-No 4/0	10,791.23	960.43
13 47 13 13-0036		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0037		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0036)*		
13 47 13 13-0038	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	301.70	93.62

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001		Seismic Bracing Assembly *(13 48 53)*		
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace	198.31	
		Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	188.85	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	284.76	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	369.86	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	386.91	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	576.45	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	765.98	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	220.62	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	327.01	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	433.41	
13 48 53 00-0012		Seismic Brace Components *(13 48 53)*		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	36.08	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	50.04	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	66.81	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	91.92	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	33.80	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	46.09	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	61.02	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	82.96	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	41.26	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	54.87	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	76.82	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	73.31	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	103.60	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	141.79	
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	30.82	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	37.84	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	47.50	
13 48 63		**Fabricated Seismic Control Assemblies** *(13 48)*		
13 48 63 00-0001		Seismic Restraints *(13 48 63)*		
13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	6.08	1.43
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.66	0.71
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	7.94	1.79
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.94	0.89
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.50	1.04
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.53	1.26
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	5.41	1.08
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.87	1.08
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.64	0.71
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	11.74	2.14
13 48 63 00-0012	LF	Seismic Chord, Black	3.32	1.08
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	4.34	1.08
13 48 63 00-0014		ISAT Seismic Restraint Kits *(13 48 63)* Note: Pipe/Conduit restraint kit includes hanger, pipe clamp, channel, threaded rod, washers, nuts, bracket, brace arm and deck anchors. Trapeze rack restraint kits include Unistrut, channel, threaded rod, washers, nuts, bracket, brace arm and deck anchors.		
13 48 63 00-0015		Trapeze Rack Restraints *(13 48 63 00-0014)*		
13 48 63 00-0016	EA	1-Way Rigid Seismic Brace, ISAT Kit Number 1R3-N4-TR	274.61	
13 48 63 00-0017	EA	3-Way Rigid Seismic Brace, ISAT Kit Number 3R3-N4-TR	604.25	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0018	EA	4-Way Rigid Seismic Brace, ISAT Kit Number 4R3-N4-TR	764.26	
13 48 63 00-0019	EA	2-Way Rigid Seismic Brace, ISAT Kit Number 2R7-N5-TR	444.24	
13 48 63 00-0020	EA	2-Way Rigid Seismic Brace, ISAT Kit Number 2R7-N7-TR	448.37	
13 48 63 00-0021	EA	1-Way Rigid Seismic Brace, ISAT Kit Number 1R7-N4-TR	274.61	
13 48 63 00-0022	EA	4-Way Rigid Seismic Brace, ISAT Kit Number 4R10-N8-TR	772.50	
13 48 63 00-0023	EA	3-Way Rigid Seismic Brace, ISAT Kit Number 3R7-N4-TR	604.25	
13 48 63 00-0024		Single Hung Pipe Restraints *(13 48 63 00-0014)*		
13 48 63 00-0025	EA	1-Way Rigid Seismic Brace For 1" Diameter Pipe, ISAT Kit Number 1R1-N4-1"-SH	243.48	
13 48 63 00-0026	EA	2-Way Rigid Seismic Brace For 1" Diameter Pipe, ISAT Kit Number 1R1-N4-1"-SH	387.33	
13 48 63 00-0027	EA	1-Way Rigid Seismic Brace For 1.25" Diameter Pipe, ISAT Kit Number 1R1-N4-1.25"-SH	259.32	
13 48 63 00-0028	EA	2-Way Rigid Seismic Brace For 1.25" Diameter Pipe, ISAT Kit Number 1R1-N4-1.25"-SH	403.18	
13 48 63 00-0029	EA	1-Way Rigid Seismic Brace For 1.5" Diameter Pipe, ISAT Kit Number 1R1-N4-1.5"-SH	273.71	
13 48 63 00-0030	EA	2-Way Rigid Seismic Brace For 1.5" Diameter Pipe, ISAT Kit Number 1R1-N4-1.5"-SH	417.55	
13 48 63 00-0031	EA	1-Way Rigid Seismic Brace For 2" Diameter Pipe, ISAT Kit Number 1R1-N4-2"-SH	290.62	
13 48 63 00-0032	EA	2-Way Rigid Seismic Brace For 2" Diameter Pipe, ISAT Kit Number 1R1-N4-2"-SH	434.48	
13 48 63 00-0033	EA	1-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 1R3-N4-2.5"-SH	311.15	
13 48 63 00-0034	EA	2-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 2R3-N4-2.5"-SH	455.00	
13 48 63 00-0035	EA	1-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 1R3-N4-3"-SH	327.54	
13 48 63 00-0036	EA	2-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 2R3-N4-3"-SH	471.39	
13 48 63 00-0037	EA	1-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 1R7-N4-4"-SH	352.48	
13 48 63 00-0038	EA	1-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 1R7-N7-4"-SH	354.54	
13 48 63 00-0039	EA	2-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 2R7-N7-4"-SH	500.46	
13 48 63 00-0040	EA	1-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 1R11-N7-6"-SH	402.18	
13 48 63 00-0041	EA	1-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 1R11-N8-6"-SH	404.24	
13 48 63 00-0042	EA	2-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 2R11-N8-6"-SH	550.16	
13 48 63 00-0043	EA	1-Way Rigid Seismic Brace For 8" Diameter Pipe, ISAT Kit Number 1R17-N5-8"-SH	432.38	
13 48 63 00-0044	EA	1-Way Rigid Seismic Brace For 8" Diameter Pipe, ISAT Kit Number 1R19-N8-8"-SH	434.44	
13 48 63 00-0045	EA	2-Way Rigid Seismic Brace For 8" Diameter Pipe, ISAT Kit Number 2R19-N8-8"-SH	580.35	
13 48 63 00-0046		Single Hung Cast Iron Pipe Restraints *(13 48 63 00-0014)*		
13 48 63 00-0047	EA	1-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 1R3-N4-2.5"-CI	311.15	
13 48 63 00-0048	EA	2-Way Rigid Seismic Brace For 2.5" Diameter Pipe, ISAT Kit Number 2R3-N4-2.5"-CI	455.00	
13 48 63 00-0049	EA	1-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 1R3-N4-3"-CI	327.54	
13 48 63 00-0050	EA	2-Way Rigid Seismic Brace For 3" Diameter Pipe, ISAT Kit Number 2R3-N4-3"-CI	471.39	
13 48 63 00-0051	EA	1-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 1R7-N4-4"-CI	352.48	
13 48 63 00-0052	EA	2-Way Rigid Seismic Brace For 4" Diameter Pipe, ISAT Kit Number 2R7-N4-4"-CI	494.38	
13 48 63 00-0053	EA	1-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 1R11-N4-6"-CI	402.18	
13 48 63 00-0054	EA	2-Way Rigid Seismic Brace For 6" Diameter Pipe, ISAT Kit Number 2R11-N4-6"-SH	550.16	
13 48 63 00-0055		Single Hung Rigid Conduit Restraints *(13 48 63 00-0014)*		
13 48 63 00-0056	EA	1-Way Rigid Seismic Brace For 3" Conduit, ISAT Kit Number 1R3-N4-3"-SC	327.54	
13 48 63 00-0057	EA	2-Way Rigid Seismic Brace For 3" Conduit, ISAT Kit Number 2R3-N4-3"-SC	471.39	

13 49 Radiation Protection *(13 40)*

13 49 13 Integrated X-Ray Shielding Assemblies *(13 49)*

13 49 13 00-0001 Lead Shielding *(13 49 13)*

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 13 00-0002	SF	1/16" Sheet Lead Shielding	49.00	8.57
13 49 13 00-0003	SF	1/8" Sheet Lead Shielding	82.28	9.28
13 49 13 00-0004	SF	1/4" Sheet Lead Shielding	145.32	9.99
13 49 13 00-0005	SF	1/2" Sheet Lead Shielding	276.26	12.86

13 49 16 Modular X-Ray Shielding Rooms *(13 49)*

13 49 16 00-0001 X-Ray Barriers, Modular *(13 49 16)*

Note: Panels mounted within framework for attaching to floor, wall or ceiling, upper portion is clear lead plastic window panels 48" high, lower portion is opaque leaded steel panels 36" high. Excludes structural supports.

13 49 16 00-0002 36" Wide x 84" High, 1-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*

13 49 16 00-0003	EA	0.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	12,345.70	176.09
13 49 16 00-0004	EA	0.8mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	13,114.51	176.09
13 49 16 00-0005	EA	1.0mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	13,492.48	211.31
13 49 16 00-0006	EA	1.5mm LE Panels 1-Section Modular X-Ray Barrier, 36" Wide x 84" High	14,415.06	211.31
13 49 16 00-0007		72" Wide x 84" High, 2-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*		
13 49 16 00-0008	EA	0.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	26,549.44	281.75
13 49 16 00-0009	EA	0.8mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	27,625.79	281.75
13 49 16 00-0010	EA	1.0mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	28,465.10	316.97
13 49 16 00-0011	EA	1.5mm LE Panels 2-Section Modular X-Ray Barrier, 72"W x 84"H	30,688.16	352.18
13 49 16 00-0012		108" Wide x 84" High, 3-Section Barrier, Modular X-Ray Barriers *(13 49 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 49 16 00-0013	EA	0.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	40,375.23	352.18
13 49 16 00-0014	EA	0.8mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	42,374.15	352.18
13 49 16 00-0015	EA	1.0mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	43,283.84	422.62
13 49 16 00-0016	EA	1.5mm LE Panels 3-Section Modular X-Ray Barrier, 108"W x 84"H	46,429.42	457.84

13 49 16 00-0017 X-Ray Barriers, Mobile *(13 49 16)*

Note: Mounted within framework with casters on bottom, clear lead plastic window panels on upper portion, opaque on lower.

13 49 16 00-0018 30" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*

Note: Includes Framework

13 49 16 00-0019	EA	24" H Upper With 0.5mm LE, 48" H Lower With 0.8mm LE Mobile X-Ray Barriers	8,528.38	35.71

13 49 16 00-0020 48" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*

Note: Includes Framework

13 49 16 00-0021	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	15,140.19	35.71
13 49 16 00-0022	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	18,215.45	35.71

13 49 16 00-0023 72" Wide x 75" High, Mobile X-Ray Barriers *(13 49 16 00-0017)*

Note: Includes Framework

13 49 16 00-0024	EA	36"H Upper With 0.5mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	17,907.92	35.71
13 49 16 00-0025	EA	36"H Upper With 1.0mm LE, 36"H Lower With 0.8mm LE Mobile X-Ray Barriers	22,674.58	35.71

13 49 19 Lead-Lined Materials *(13 49)*

13 49 19 16 Lead-Lined Drywall *(13 49 19)*

13 49 19 16-0001 Lead Lined Drywall *(13 49 19 16)*

See CSI section 09 29 10 00-0036 for finishing tasks.

13 49 19 16-0002	SF	1/32" Lead Lined 5/8" Fire Rated Drywall	26.80	1.87
13 49 19 16-0003	SF	1/16" Lead Lined 5/8" Fire Rated Drywall	46.54	2.24
13 49 19 16-0004	SF	1/8" Lead Lined 5/8" Fire Rated Drywall	84.18	2.69

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	664.26	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	885.67	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	553.54	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	553.54	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	332.13	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	218.51	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	273.13	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,584.89	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,981.11	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	792.44	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,783.01	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,188.67	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,773.56	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	3,169.78	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,377.33	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,971.67	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,584.89	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,452.78	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,759.39	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,452.78	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,452.78	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,452.78	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	49,328.49	11,137.15
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*10,203.01*	
		For An Additional Stop, Add *Note: Includes Removal.*	*10,993.26*	
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	53,171.92	13,457.39
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*10,302.31*	
		For An Additional Stop, Add *Note: Includes Removal.*	*11,633.52*	
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	62,425.59	15,313.59
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*11,891.03*	
		For An Additional Stop, Add *Note: Includes Removal.*	*14,747.90*	
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,618.44	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	83.35	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	919.60	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	5,043.05	928.10
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,335.28	928.10
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	9,664.87	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	10,459.23	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	10,175.24	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	10,969.60	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	109.35	26.52
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	95.25	26.52
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.66	3.48
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	7,052.97	696.08
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	23,182.26	3,886.40
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	3,343.52	928.10
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	556.98	232.03
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	553.42	464.05
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	738.42	406.05
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,638.90	928.10
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	731.10	429.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	553.42	464.05
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	805.62	464.05
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,591.46	928.10
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,259.08	464.05
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,333.85	1,856.19
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	10,036.86	1,856.19
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	3,205.95	464.05
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,334.74	1,856.19
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,268.58	464.05
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	2,047.49	464.05
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	303.52	232.03
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,938.26	464.05
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.96	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	7,424.77	3,712.38
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.79	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,617.32	928.10
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,794.76	928.10
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,398.63	928.10
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	10,334.74	1,856.19
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,196.43	464.05
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,623.16	464.05
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	977.24	464.05
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	2,087.20	464.05
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	255.27	232.03
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	52,642.46	7,424.77
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	30,996.15	7,424.77
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	48,350.42	7,424.77
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	4,094.98	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	4,313.43	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,553.73	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,815.87	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,876.53	464.05
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	60,006.41	7,424.77
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	170.00	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	181.13	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	188.74	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,783.50	928.10
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,571.60	928.10
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,670.89	928.10
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,770.19	928.10
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,889.34	928.10
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,734.94	928.10
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,734.94	928.10
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,706.74	928.10
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,692.64	928.10
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,307.19	207.56
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,582.85	249.08
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,751.54	290.59
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	273.28	232.03
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	278.78	232.03
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	181.68	54.59
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	175.20	54.59
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	205.47	54.59
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	225.96	54.59
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	256.46	54.59
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	209.28	54.59
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	236.21	54.59
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	359.77	54.59
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	402.51	54.59
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	174.17	54.59
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	175.82	54.59
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	220.56	54.59
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	207.37	54.59
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	221.43	54.59
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	273.88	54.59

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113		LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	214.05	54.59
14 01 20 71-0114		LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	218.57	54.59
14 01 20 71-0115		LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	356.55	54.59
14 01 20 71-0116		LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	238.83	54.59
14 01 20 71-0117		LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	357.43	54.59
14 01 20 71-0118		LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	402.51	54.59

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002		EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	914.70
14 01 30 71-0003		HR	Escalator Servicing, Labor Only	218.51
14 01 30 71-0004		EA	Acceptance Test Of Escalators And Moving Walks	5,030.86

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006		EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,234.66
14 01 30 71-0007		EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,394.08
14 01 30 71-0008		EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,511.06
14 01 30 71-0009		EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,707.96
14 01 30 71-0010		LF	Removal And Replacement Of Sliding Handrail	209.86

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002		EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	395,547.99
			For Each Opening With Bonderized Steel Door, Add	*280.64*
			For Each Opening With Stainless Steel Doors, Add	*701.60*
			For Each Opening With Two Speed Doors, Add	*841.92*
			For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*
			For Stainless Steel Cab Interior, Add	*7,442.40*
			For Elevator With Manual Door, Deduct	*-10,000.00*
			For Class "C-1" Loading, Add	*1,549.88*
			For Class "C-2" Loading, Add	*1,860.60*
			For Class "C-3" Loading, Add	*2,545.30*
			For Removal Of Existing Stop, Add	*9,978.70*
			For Each Additional Stop, Add	*37,998.30*
			For Each Floor < 6 Stops, Deduct	*-32,710.04*
			For Each Additional 50 FPM, Add	*5,581.80*
			For Removal Of Existing Elevator, Add	*49,893.50*
14 21 13 00-0003		EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	416,700.20
			For Each Opening With Bonderized Steel Door, Add	*280.64*
			For Each Opening With Stainless Steel Doors, Add	*701.60*
			For Each Opening With Two Speed Doors, Add	*841.92*
			For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*
			For Stainless Steel Cab Interior, Add	*7,442.40*
			For Elevator With Manual Door, Deduct	*-10,000.00*
			For Class "C-1" Loading, Add	*3,099.76*
			For Class "C-2" Loading, Add	*3,721.20*
			For Class "C-3" Loading, Add	*5,157.58*
			For Removal Of Existing Stop, Add	*9,978.70*
			For Each Additional Stop, Add	*37,998.30*
			For Each Floor < 6 Stops, Deduct	*-32,710.04*
			For Each Additional 50 FPM, Add	*5,581.80*
			For Removal Of Existing Elevator, Add	*49,893.50*
14 21 13 00-0004		EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	439,701.13
			For Elevator With Manual Door, Deduct	*-10,000.00*
			For Class "C-1" Loading, Add	*3,099.76*
			For Class "C-2" Loading, Add	*3,721.20*
			For Class "C-3" Loading, Add	*5,157.58*
			For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*
			For Stainless Steel Cab Interior, Add	*8,372.70*
			For Removal Of Existing Stop, Add	*9,978.70*
			For Each Additional Stop, Add	*38,928.60*
			For Each Additional 50 FPM, Add	*5,581.80*
			For Each Opening With Bonderized Steel Door, Add	*279.09*
			For Each Opening With Stainless Steel Doors, Add	*558.18*
			For Each Opening With Two Speed Doors, Add	*697.72*
			For Removal Of Existing Elevator, Add	*49,893.50*
			For Each Floor < 6 Stops, Deduct	*-33,710.04*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	450,011.14	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Each Additional Stop, Add	*38,928.60*	
		For Each Additional 50 FPM, Add	*5,581.80*	
		For Each Opening With Bonderized Steel Door, Add	*279.09*	
		For Each Opening With Stainless Steel Doors, Add	*558.18*	
		For Each Opening With Two Speed Doors, Add	*697.72*	
		For Removal Of Existing Elevator, Add	*49,893.50*	
		For Each Floor < 6 Stops, Deduct	*-33,710.04*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	464,016.51	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Each Additional Stop, Add	*38,928.60*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*49,893.50*	
		For Each Floor < 6 Stops, Deduct	*-33,710.04*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	479,873.88	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Each Additional Stop, Add	*38,928.60*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*49,893.50*	
		For Each Floor < 6 Stops, Deduct	*-33,710.04*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	493,497.74	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Class "C-1" Loading, Add	*6,201.38*	
		For Class "C-2" Loading, Add	*7,442.40*	
		For Class "C-3" Loading, Add	*10,181.20*	
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Each Additional Stop, Add	*38,928.60*	
		For Each Opening With Bonderized Steel Door, Add	*372.12*	
		For Each Opening With Stainless Steel Doors, Add	*651.21*	
		For Each Opening With Two Speed Doors, Add	*790.76*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,581.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,442.40*	
		For Stainless Steel Cab Interior, Add	*9,303.00*	
		For Removal Of Existing Elevator, Add	*49,893.50*	
		For Each Floor < 6 Stops, Deduct	*-33,710.04*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	293,094.62	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	300,813.68	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	307,732.93	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	312,766.40	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	319,311.37	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	325,494.63	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	331,818.14	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For Each Additional Stop, Add	*37,998.30*	
		For Each Floor < 6 Stops, Deduct	*-22,472.47*	
		For Removal Of Existing Elevator, Add	*37,417.53*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	241,605.13	
		For Each Additional Stop, Add	*27,137.03*	
		For 2 Stops, Deduct	*-16,370.46*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	249,138.56	
		For Each Additional Stop, Add	*27,137.03*	
		For 2 Stops, Deduct	*-16,370.46*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	256,070.58	
		For Each Additional Stop, Add	*27,137.03*	
		For 2 Stops, Deduct	*-16,370.46*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,549.88*	
		For Class "C-2" Loading, Add	*1,860.60*	
		For Class "C-3" Loading, Add	*2,545.30*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	262,791.93	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional 50 FPM, Add	*2,806.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,540.23*	
		For 2 Stops, Deduct	*-17,370.46*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*24,921.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	276,974.10	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,540.23*	
		For 2 Stops, Deduct	*-17,370.46*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	283,784.46	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,540.23*	
		For 2 Stops, Deduct	*-17,370.46*	
		For Class "C-1" Loading, Add	*3,099.76*	
		For Class "C-2" Loading, Add	*3,721.20*	
		For Class "C-3" Loading, Add	*5,157.58*	
		For Each Additional 50 FPM, Add	*14,032.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	293,962.65	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,540.23*	
		For 2 Stops, Deduct	*-17,370.46*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Each Additional 50 FPM, Add	*15,435.20*	
		For Class "C-1" Loading, Add	*7,749.40*	
		For Class "C-2" Loading, Add	*9,303.00*	
		For Class "C-3" Loading, Add	*12,726.50*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	301,576.68	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,540.23*	
		For 2 Stops, Deduct	*-17,370.46*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
		For Each Additional 50 FPM, Add	*16,838.40*	
		For Class "C-1" Loading, Add	*10,306.79*	
		For Class "C-2" Loading, Add	*12,372.99*	
		For Class "C-3" Loading, Add	*16,925.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	314,254.86	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,540.23*	
		For 2 Stops, Deduct	*-17,370.46*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,651.50*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,512.10*	
		For Stainless Steel Cab Interior, Add	*8,372.70*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,978.70*	
		For Removal Of Existing Elevator, Add	*37,417.53*	
		For Each Additional 50 FPM, Add	*16,838.40*	
		For Class "C-1" Loading, Add	*10,306.79*	
		For Class "C-2" Loading, Add	*12,372.99*	
		For Class "C-3" Loading, Add	*16,925.88*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	105.39	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	125.76	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	165,774.37	
		For Each Additional Stop, Add	*27,137.03*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	168,580.77	
		For Each Additional Stop, Add	*27,137.03*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	170,510.17	
		For Each Additional Stop, Add	*27,137.03*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	178,553.33	
		For Each Additional Stop, Add	*27,137.03*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	181,837.03	
		For Each Additional Stop, Add	*27,137.03*	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	185,941.39	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional Stop, Add	*28,540.23*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	190,668.22	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Each Opening With Two Speed Doors, Add	*841.92*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,721.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,581.80*	
		For Stainless Steel Cab Interior, Add	*7,442.40*	
		For Each Additional Stop, Add	*28,540.23*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*340.83*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*53.59*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*83.73*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,788.20*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Removal Of Existing Stop, Add	*4,989.00*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	141,590.13	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Each Additional Stop, Add	*28,987.98*	
		For An Additional 25 FPM, Add	*2,364.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	146,783.00	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Each Additional Stop, Add	*28,987.98*	
		For An Additional 25 FPM, Add	*2,364.39*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	151,781.36	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Each Additional Stop, Add	*28,987.98*	
		For An Additional 25 FPM, Add	*2,364.39*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	175,100.25	
		For Each Opening With Bonderized Steel Door, Add	*280.64*	
		For Each Opening With Stainless Steel Doors, Add	*701.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,256.05*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,651.50*	
		For Stainless Steel Cab Interior, Add	*5,581.80*	
		For Removal Of Existing Elevator, Add	*24,921.09*	
		For Each Additional Stop, Add	*28,987.98*	
		For An Additional 25 FPM, Add	*2,364.39*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	105,724.34	
		For Each Additional Stop, Add	*17,725.53*	
		For Removal Of Existing Elevator, Add	*7,484.02*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,662.94	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,784.46	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,875.19	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	1,022.86	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,988.62	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	5,016.94	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,861.89	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,703.00	
14 27 16 00-0006	EA	Bi-Parting Doors	12,040.81	
14 27 16 00-0007	EA	Power Operated Door And Gate	34,966.52	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,987.19	1,407.22
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	15,107.77	2,109.33
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	22,901.03	2,812.43
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	31,816.27	3,569.58
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	43,582.93	4,218.60
14 28 16 00-0007	EA	Duplex Care Selective Collective	9,318.76	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	6,022.06	
14 28 16 00-0009	EA	Manual Emergency Power Switching	1,016.81	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	245.92	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	207.32	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,326.95	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	60,095.60	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	98,177.82	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum	136,075.24	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum	25,412.58	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average	30,977.66	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum	34,123.14	

14 30 Escalators and Moving Walks *(14)*

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	167,657.38	14,793.13
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	185,839.35	17,482.79
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	202,413.16	20,172.46
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	223,860.78	24,206.94
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	247,155.79	26,896.60
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	177,280.12	15,734.51
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	196,881.86	18,827.62
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	213,442.18	21,517.28
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	240,671.39	27,031.08
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	259,274.37	29,048.33
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	187,345.66	16,675.90
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	208,709.40	20,172.46
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	224,872.80	22,862.11
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	258,651.97	28,510.39
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	274,502.54	31,200.06
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	24,635.15	537.93

14 32 Moving Walks *(14 30)*

14 32 00 00-0001 Moving Sidewalks *(14 32)*

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide	1,780.29	322.76
		For Each LF Of Ramp Or Sloped Sections, Add	*278.60*	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide	2,370.91	329.48
		For Each LF Of Ramp Or Sloped Sections, Add	*395.12*	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide	2,671.60	342.94
		For Each LF Of Ramp Or Sloped Sections, Add	*452.03*	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide	3,070.19	371.98
		For Each LF Of Ramp Or Sloped Sections, Add	*524.77*	

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops	28,972.95	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,476.75*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops	30,478.04	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,657.36*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops	31,983.13	
		For An Additional Stop, Add	*827.71*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add	*3,837.98*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	8,378.56	1,219.61

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	15,597.47	1,829.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16		**Vertical Wheelchair Lifts** *(14 42)*		
14 42 16 00-0001		Wheelchair Lift (Shorty) *(14 42 16)*		
14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	11,793.94	853.73
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	14,499.00	1,067.15
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	17,239.44	1,387.29
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	19,353.30	1,600.73
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*817.24*	
		For 3,000 Lb. Capacity, Add	*1,364.96*	
		For 4,000 Lb. Capacity, Add	*2,043.09*	
		For Accordion Safety Skirt, Add	*1,364.96*	
		For Removable Handrails, Add	*139.10*	
		For Power Operated Ramp, Add	*1,217.16*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	20,254.43	762.25
		Note: 500 Lb. capacity, interior installation.		

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001		Trash Chutes *(14 91 82)*		
14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	38.90	4.99
		For Aluminum, Add	*2.94*	
		For Stainless Steel, Add	*10.28*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	50.12	4.99
		For Aluminum, Add	*3.98*	
		For Stainless Steel, Add	*13.91*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	55.28	6.24
		For Aluminum, Add	*4.41*	
		For Stainless Steel, Add	*15.42*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	84.74	6.24
		For Aluminum, Add	*7.26*	
		For Stainless Steel, Add	*25.40*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	817.02	34.90
		For Aluminum, Add	*74.68*	
		For Stainless Steel, Add	*261.37*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	397.16	68.55
		For Aluminum, Add	*25.98*	
		For Stainless Steel, Add	*90.91*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	271.66	74.78
		For Aluminum, Add	*11.36*	
		For Stainless Steel, Add	*39.77*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	72.16	26.17
		For Aluminum, Add	*1.95*	
		For Stainless Steel, Add	*6.82*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	678.07	93.47
		For Aluminum, Add	*48.05*	
		For Stainless Steel, Add	*168.19*	
14 91 82 00-0011	EA	Hopper Doors	1,585.10	76.07

END OF SECTION 14

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration *(21 01 10)*

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	529.29
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	317.58
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	127.03
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	63.51

21 01 10 91-0006 Purge And Refill System Sprinkler Piping *(21 01 10 91)*

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	427.70
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	610.84
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	731.91
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	914.89
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	1,189.36
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	0.59
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	598.79
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	855.19
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,024.68
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,280.84
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,665.10
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	0.84
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	823.33
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,175.89
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,408.94
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,761.16
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	2,289.51
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1.15
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,111.50
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,587.43
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,685.22
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	2,106.51
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	2,738.47
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1.37

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 91 Fire-Suppression Equipment Restoration *(21 01 30)*

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	227.59
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.07
21 01 30 91-0004	EA	Inspection, Halon 1301	227.59
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	73.79
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	137.62
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	69.18
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	137.62
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.15
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	42.35
21 01 30 91-0011	EA	Disarm/Arm System	74.10

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	50.37	13.15
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	52.35	13.15
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	61.58	13.15
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	65.37	13.15
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	69.16	13.15

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,936.12	203.40
		For >10 To 25, Deduct	*-496.81*	
		For >25, Deduct	*-1,464.96*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,317.21	340.99
		For >10 To 25, Deduct	*-1,015.86*	
		For >25, Deduct	*-3,004.85*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,508.19	491.57
		For >10 To 25, Deduct	*-1,375.41*	
		For >25, Deduct	*-4,064.56*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,890.63	628.12
		For >10 To 25, Deduct	*-1,794.53*	
		For >25, Deduct	*-5,305.57*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,642.23	764.66
		For >10 To 25, Deduct	*-2,532.11*	
		For >25, Deduct	*-7,500.75*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves *(21 05 23)*

21 05 23 00-0002 Threaded, 125 Lb., Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	69.01	12.99
21 05 23 00-0004	EA	3/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	88.13	13.64
21 05 23 00-0005	EA	1" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	120.74	13.64
21 05 23 00-0006	EA	1-1/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	180.69	17.29
21 05 23 00-0007	EA	1-1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD	212.53	20.01
21 05 23 00-0008	EA	2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	251.75	23.65

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0011	EA	2-1/2" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	540.41	21.18
21 05 23 00-0012	EA	3" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	593.79	25.37
21 05 23 00-0013	EA	4" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	623.24	33.38
21 05 23 00-0014	EA	6" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	885.77	54.68
21 05 23 00-0015	EA	8" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	1,274.94	76.93

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0017	EA	2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	542.45	17.11
21 05 23 00-0018	EA	2-1/2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	552.71	21.18
21 05 23 00-0019	EA	3" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	610.19	25.37
21 05 23 00-0020	EA	4" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	633.50	33.38
21 05 23 00-0021	EA	6" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	883.72	54.68
21 05 23 00-0022	EA	8" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	1,313.90	76.93
21 05 23 00-0023	EA	10" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	2,033.25	103.97

21 05 23 00-0024 Check Valves *(21 05 23)*

21 05 23 00-0025 Bronze Body, Threaded, 150 Lb., Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0026	EA	1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	236.20	12.99
21 05 23 00-0027	EA	3/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	279.50	13.64
21 05 23 00-0028	EA	1" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	381.70	13.64
21 05 23 00-0029	EA	1-1/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	508.03	17.29
21 05 23 00-0030	EA	1-1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	665.02	20.01
21 05 23 00-0031	EA	2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	969.14	23.65

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032		**Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0033	EA	2-1/2" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,257.73	173.48
21 05 23 00-0034	EA	3" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,427.14	203.40
21 05 23 00-0035	EA	4" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,982.39	340.99
21 05 23 00-0036	EA	6" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,995.27	406.70
21 05 23 00-0037	EA	8" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,784.22	519.67
21 05 23 00-0038	EA	10" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	7,615.68	632.64
21 05 23 00-0039	EA	12" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	10,661.51	768.19
21 05 23 00-0040		**Iron Body Wafer Type Check Valve** *(21 05 23 00-0024)*		
21 05 23 00-0041	EA	2-1/2" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	976.12	173.57
21 05 23 00-0042	EA	3" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,123.90	203.50
21 05 23 00-0043	EA	4" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,321.91	341.16
21 05 23 00-0044	EA	6" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	2,177.52	478.82
21 05 23 00-0045	EA	8" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	3,231.24	550.64
21 05 23 00-0046	EA	10" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	4,750.41	59.85
21 05 23 00-0047	EA	12" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	6,507.55	813.98
21 05 23 00-0048		**Grooved End, Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0049	EA	2-1/2" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	480.01	21.54
21 05 23 00-0050	EA	3" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	485.83	25.49
21 05 23 00-0051	EA	4" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	515.90	33.50
21 05 23 00-0052	EA	6" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	1,531.86	54.68
21 05 23 00-0053	EA	8" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	2,128.44	76.93
21 05 23 00-0054		**Gate Valves** *(21 05 23)*		
21 05 23 00-0055		**Threaded, Bronze Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0056	EA	1" Diameter Threaded, Bronze Gate Valve (Crane 459)	732.17	16.24
21 05 23 00-0057	EA	1-1/4" Diameter Threaded, Bronze Gate Valve (Crane 459)	895.34	17.29
21 05 23 00-0058	EA	1-1/2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,065.05	20.01
21 05 23 00-0059	EA	2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,328.47	23.65
21 05 23 00-0060		**Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,730.01	173.48
21 05 23 00-0062	EA	3" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,038.45	203.40
21 05 23 00-0063	EA	4" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,821.43	340.99
21 05 23 00-0064	EA	6" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,235.21	406.70
21 05 23 00-0065	EA	8" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,287.36	519.67
21 05 23 00-0066	EA	10" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	11,625.18	632.64
21 05 23 00-0067	EA	12" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	15,854.87	768.19
21 05 23 00-0068		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,025.96	173.48
21 05 23 00-0070	EA	3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,524.50	203.40
21 05 23 00-0071	EA	4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,173.51	340.99
21 05 23 00-0072	EA	6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	5,375.83	406.70
21 05 23 00-0073	EA	8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	8,079.01	519.67
21 05 23 00-0074	EA	10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	11,739.70	632.64
21 05 23 00-0075	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	15,214.20	768.19
21 05 23 00-0076		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,824.85	203.40
21 05 23 00-0078	EA	4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,498.40	340.99
21 05 23 00-0079	EA	6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,487.15	406.70
21 05 23 00-0080	EA	8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	6,831.92	519.67
21 05 23 00-0081	EA	10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	10,406.68	632.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	13,112.80	768.19
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	476.11	16.24
21 05 23 00-0086	EA	1-1/4" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	520.34	17.29
21 05 23 00-0087	EA	1-1/2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	615.08	20.01
21 05 23 00-0088	EA	2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	739.97	23.65
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" Diameter, 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	249.38	15.15
21 05 23 00-0091	EA	1" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	281.46	18.31
21 05 23 00-0092	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	343.97	23.15
21 05 23 00-0093	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	538.71	26.72
21 05 23 00-0094	EA	2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	565.61	31.57
21 05 23 00-0095	EA	1" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	397.03	18.31
21 05 23 00-0096	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	458.42	23.15
21 05 23 00-0097	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	656.64	26.72
21 05 23 00-0098	EA	2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	686.68	31.57

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 33 Heat Tracing for Fire-Suppression Piping *(21 05)*

See CSI section 23 83 13 13-0000 for heat tracing cables.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 08 Commissioning of Fire Suppression *(21)*

See CSI section 01 91 13 00-0001 for commissioning.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0390 for copper pipe, 22 11 16 00-0934 for CPVC pipe, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001		Fire Department Connections *(21 11 19)*		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,060.36	338.83
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,479.28	423.54
		For Polished Chrome, Add	*104.67*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,574.13	338.83
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,082.16	423.54
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,229.53	423.54
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,903.25	448.26
		For Polished Chrome, Add	*153.05*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,215.81	338.83
		For Polished Chrome, Add	*87.81*	
21 11 19 00-0009		Fire Department Connection Wall Plate *(21 11 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0010	EA	2-1/2" IPS Brass Fire Department Connection Wall Plate	111.98	26.31
21 11 19 00-0011	EA	2-1/2" IPS Aluminum Brass Fire Department Connection Wall Plate	85.48	26.31
21 11 19 00-0012	EA	2-1/2" IPS Chrome Plated Brass Fire Department Connection Wall Plate	115.66	26.31
21 11 19 00-0013	EA	2-1/2" IPS Chrome Plated Aluminum Brass Fire Department Connection Wall Plate	81.36	26.31
21 11 19 00-0014	EA	4" IPS x 10" Outside Diameter Polished Brass Fire Department Connection Wall Plate	177.71	31.57
21 11 19 00-0015	EA	4" IPS x 10" Outside Diameter Chrome Plated Brass Fire Department Connection Wall Plate	235.44	31.57
21 11 19 00-0016		Wall Type Indicator Post, Wheel Operated *(21 11 19)*		
		See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0017	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	3,026.34	340.99
21 11 19 00-0018		Upright Indicator Post, Wheel Operated *(21 11 19)*		
21 11 19 00-0019	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)	5,874.94	340.99
		Note: 61-57/100 in. x 2 ft. 6 in. - 7 ft. 3 in Indicator Post		

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.76	2.12
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.22	2.12
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.92	2.12
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.43	2.12
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.11	2.12
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.87	2.12
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.22	2.12
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	4.10	2.12

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.93	1.17
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	12.62	1.38
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	22.58	1.38

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	155.66	34.94
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	236.26	39.17
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	92.18	27.53
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	185.09	27.53
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	146.65	27.53
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	211.74	27.53
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	315.50	116.44
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	442.97	116.44

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Diameter, Fire Department Valve, Polished Brass With Plug And Chain	960.09	224.14
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	1,694.76	224.03
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	2,236.57	242.33
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	2,753.44	224.03
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	3,256.90	242.33
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	1,582.24	224.03
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	2,413.02	242.33
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	3,176.13	231.28
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	4,627.94	256.96
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	3,429.29	231.28
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	5,009.37	256.96
		For Polished Chrome, Add	*554.40*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Diameter, Fire Department Valve, Square, Flush, Polished Brass	6,675.46	308.32
		For Polished Chrome, Add	*620.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 23 00-0014		Fire Hose Angle Valves *(21 12 23)*		
21 12 23 00-0015	EA	1-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	233.87	28.59
21 12 23 00-0016	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	281.46	28.59
21 12 23 00-0017	EA	1-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	264.16	28.59
21 12 23 00-0018	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	311.75	28.59
21 12 23 00-0019	EA	2-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	417.45	47.64
21 12 23 00-0020	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	486.67	47.64
21 12 23 00-0021	EA	2-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	492.44	47.64
21 12 23 00-0022	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	561.66	47.64
21 12 23 00-0023		Fire Hose Valve Cap And Chain *(21 12 23)*		
21 12 23 00-0024	EA	1-1/2" Diameter, Cast Brass, Fire Hose Valve Cap And Chain	45.57	10.52
21 12 23 00-0025	EA	1-1/2" Diameter, Polished Brass, Fire Hose Valve Cap And Chain	72.96	10.52
21 12 23 00-0026	EA	1-1/2" Diameter, Rough Chrome Plated, Fire Hose Valve Cap And Chain	64.31	10.52
21 12 23 00-0027	EA	1-1/2" Diameter, Polished Chrome Plated, Fire Hose Valve Cap And Chain	85.94	10.52
21 12 23 00-0028	EA	1-1/2" Diameter, Aluminum Brass Fire Hose Valve Cap And Chain	30.77	10.52
21 12 23 00-0029	EA	2-1/2" Diameter, Cast Brass, Fire Hose Valve Cap And Chain	72.46	13.15
21 12 23 00-0030	EA	2-1/2" Diameter, Polished Brass, Fire Hose Valve Cap And Chain	96.97	13.15
21 12 23 00-0031	EA	2-1/2" Diameter, Rough Chrome Plated, Fire Hose Valve Cap And Chain	92.65	13.15
21 12 23 00-0032	EA	2-1/2" Diameter, Polished Chrome Plated, Fire Hose Valve Cap And Chain	117.16	13.15
21 12 23 00-0033	EA	2-1/2" Diameter, Aluminum Brass Fire Hose Valve Cap And Chain	40.94	13.15
21 12 23 00-0034	EA	3" Diameter, Cast Brass, Fire Hose Valve Cap And Chain	114.93	14.20
21 12 23 00-0035	EA	3" Diameter, Polished Brass, Fire Hose Valve Cap And Chain	146.66	14.20
21 12 23 00-0036	EA	3" Diameter, Rough Chrome Plated, Fire Hose Valve Cap And Chain	136.57	14.20
21 12 23 00-0037	EA	3" Diameter, Polished Chrome Plated, Fire Hose Valve Cap And Chain	169.73	14.20
21 12 29		**Fire-Suppression Fire Hose Equipment** *(21 12)*		
21 12 29 00-0001		Standpipe And Fire Hose Equipment *(21 12 29)*		
21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,530.95	555.60
21 12 29 00-0003	EA	Water Motor Gong	880.30	160.96
21 12 29 00-0004	EA	Water Motor Gong With Retard Chamber Assembly	1,807.07	197.14
21 12 29 00-0005	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	746.29	18.73
21 12 29 00-0006	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	252.19	32.03
21 12 29 00-0007	EA	Spare Sprinkler Head Box For 3 Heads Note: Excludes spare sprinkler heads.	41.51	12.32
21 12 29 00-0008	EA	Spare Sprinkler Head Box For 6 Heads Note: Excludes spare sprinkler heads.	41.76	12.32
21 12 29 00-0009	EA	Spare Sprinkler Head Box For 12 Heads Note: Excludes spare sprinkler heads.	44.69	12.32
21 12 29 00-0010		Water Flow Detector *(21 12 29)*		
21 12 29 00-0011		Pressure-Type Water Flow Detector *(21 12 29 00-0010)*		
21 12 29 00-0012	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	392.41	98.57
21 12 29 00-0013	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	571.35	130.61
21 12 29 00-0014	EA	Pressure-Type Water Flow Detector For >4" To 8" Diameter Pipe	909.07	147.85
21 12 29 00-0015		Vane-Type Water Flow Detector *(21 12 29 00-0010)*		
21 12 29 00-0016	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	498.08	98.57
21 12 29 00-0017	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	700.80	130.61
21 12 29 00-0018	EA	Vane-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,114.26	147.85

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1599 for individual grooved pipe, 23 21 13 23-1672 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	637.92	
		For Copper Pipe, Add	*78.72*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-110.62*	
		For Up To 5, Add	*289.11*	
		For >5 To 10, Add	*178.49*	
		For >10 To 20, Add	*114.70*	
		For >20 To 40, Add	*48.87*	
		For >100 To 150, Deduct	*-63.79*	
		For >150, Deduct	*-127.58*	
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	822.71	
		For Copper Pipe, Add	*98.42*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-139.55*	
		For Up To 5, Add	*379.06*	
		For >5 To 10, Add	*239.51*	
		For >10 To 20, Add	*157.24*	
		For >20 To 40, Add	*66.12*	
		For >100 To 150, Deduct	*-82.27*	
		For >150, Deduct	*-164.54*	
		For Work In Restricted Working Space, Add	*149.93*	
21 13 13 00-0005		Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	624.61	
		For Copper Pipe, Add	*76.93*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-108.16*	
		For Up To 5, Add	*283.38*	
		For >5 To 10, Add	*175.22*	
		For >10 To 20, Add	*112.76*	
		For >20 To 40, Add	*48.00*	
		For >100 To 150, Deduct	*-62.46*	
		For >150, Deduct	*-124.92*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	803.42	
		For Copper Pipe, Add	*95.85*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-136.03*	
		For Up To 5, Add	*370.69*	
		For >5 To 10, Add	*234.66*	
		For >10 To 20, Add	*154.32*	
		For >20 To 40, Add	*64.83*	
		For >100 To 150, Deduct	*-80.34*	
		For >150, Deduct	*-160.68*	
		For Work In Restricted Working Space, Add	*147.95*	
21 13 13 00-0008		Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*		
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	577.24	
		For Copper Pipe, Add	*70.97*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-99.83*	
		For Up To 5, Add	*262.12*	
		For >5 To 10, Add	*162.29*	
		For >10 To 20, Add	*104.57*	
		For >20 To 40, Add	*44.48*	
		For >100 To 150, Deduct	*-57.72*	
		For >150, Deduct	*-115.45*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	744.04	
		For Copper Pipe, Add	*88.63*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-125.84*	
		For Up To 5, Add	*343.56*	
		For >5 To 10, Add	*217.72*	
		For >10 To 20, Add	*143.32*	
		For >20 To 40, Add	*60.17*	
		For >100 To 150, Deduct	*-74.40*	
		For >150, Deduct	*-148.81*	
		For Work In Restricted Working Space, Add	*137.83*	
21 13 13 00-0011		Wet Pipe Sprinkler Components *(21 13 13)* Note: Excludes hydraulic calculations.		
21 13 13 00-0012		Wet Pipe Alarm Check Valves *(21 13 13 00-0011)* Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Diameter, Wet Pipe Alarm Check Valve	2,160.72	135.53
21 13 13 00-0014	EA	3" Diameter, Wet Pipe Alarm Check Valve	2,200.15	155.25
21 13 13 00-0015	EA	4" Diameter, Wet Pipe Alarm Check Valve	2,417.01	263.68
21 13 13 00-0016	EA	6" Diameter, Wet Pipe Alarm Check Valve	2,294.39	332.68
21 13 13 00-0017	EA	8" Diameter, Wet Pipe Alarm Check Valve	4,184.55	421.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0018		**Wet Pipe Valve Trim** *(21 13 13 00-0011)*		
		Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Diameter, Wet Pipe Valve Trim	1,169.86	286.84
21 13 13 00-0020	EA	3" Diameter, Wet Pipe Valve Trim	1,226.36	286.84
21 13 13 00-0021	EA	4" Diameter, Wet Pipe Valve Trim	1,505.82	393.29
21 13 13 00-0022	EA	6" Diameter, Wet Pipe Valve Trim	1,818.60	547.06
21 13 13 00-0023	EA	8" Diameter, Wet Pipe Valve Trim	2,035.45	677.17
21 13 13 00-0024		**Wet Pipe Sprinkler Heads** *(21 13 13 00-0011)*		
21 13 13 00-0025		**Upright Wet Pipe Sprinkler Heads** *(21 13 13 00-0024)*		
21 13 13 00-0026	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	92.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.76*	
		For >1,000, Deduct	*-34.29*	
21 13 13 00-0027	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	97.15	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-25.59*	
		For >1,000, Deduct	*-35.11*	
21 13 13 00-0028	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	100.06	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.39*	
		For >100 To 500, Deduct	*-13.70*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-35.64*	
21 13 13 00-0029	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	94.86	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.13*	
		For >100 To 500, Deduct	*-13.05*	
		For >500 To 1,000, Deduct	*-25.17*	
		For >1,000, Deduct	*-34.70*	
21 13 13 00-0030	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	99.62	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-26.03*	
		For >1,000, Deduct	*-35.56*	
21 13 13 00-0031	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	102.66	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.58*	
		For >1,000, Deduct	*-36.11*	
21 13 13 00-0032	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	124.82	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.62*	
		For >100 To 500, Deduct	*-16.79*	
		For >500 To 1,000, Deduct	*-30.57*	
		For >1,000, Deduct	*-40.09*	
21 13 13 00-0033	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	137.09	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-9.24*	
		For >100 To 500, Deduct	*-18.33*	
		For >500 To 1,000, Deduct	*-32.78*	
		For >1,000, Deduct	*-42.30*	
21 13 13 00-0034	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	124.82	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.62*	
		For >100 To 500, Deduct	*-16.79*	
		For >500 To 1,000, Deduct	*-30.57*	
		For >1,000, Deduct	*-40.09*	
21 13 13 00-0035	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	137.09	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-9.24*	
		For >100 To 500, Deduct	*-18.33*	
		For >500 To 1,000, Deduct	*-32.78*	
		For >1,000, Deduct	*-42.30*	
21 13 13 00-0036	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	108.95	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.83*	
		For >100 To 500, Deduct	*-14.81*	
		For >500 To 1,000, Deduct	*-27.71*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0037	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	114.94	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-28.79*	
		For >1,000, Deduct	*-38.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0038	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	107.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 500, Deduct	*-14.77*	
		For >500 To 1,000, Deduct	*-28.36*	
		For >1,000, Deduct	*-38.95*	
21 13 13 00-0039	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	114.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 500, Deduct	*-15.64*	
		For >500 To 1,000, Deduct	*-29.62*	
		For >1,000, Deduct	*-40.21*	
21 13 13 00-0040	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	115.99	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 500, Deduct	*-15.82*	
		For >500 To 1,000, Deduct	*-29.88*	
		For >1,000, Deduct	*-40.46*	
21 13 13 00-0041	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	107.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 500, Deduct	*-14.77*	
		For >500 To 1,000, Deduct	*-28.36*	
		For >1,000, Deduct	*-38.95*	
21 13 13 00-0042	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	114.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 500, Deduct	*-15.64*	
		For >500 To 1,000, Deduct	*-29.62*	
		For >1,000, Deduct	*-40.21*	
21 13 13 00-0043	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	115.99	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 500, Deduct	*-15.82*	
		For >500 To 1,000, Deduct	*-29.88*	
		For >1,000, Deduct	*-40.46*	
21 13 13 00-0044	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	105.79	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-27.14*	
		For >1,000, Deduct	*-36.67*	
21 13 13 00-0045	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	110.36	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 500, Deduct	*-14.99*	
		For >500 To 1,000, Deduct	*-27.96*	
		For >1,000, Deduct	*-37.49*	
21 13 13 00-0046	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	111.25	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.10*	
		For >500 To 1,000, Deduct	*-28.12*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0047	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	105.79	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-27.14*	
		For >1,000, Deduct	*-36.67*	
21 13 13 00-0048	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	110.36	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 500, Deduct	*-14.99*	
		For >500 To 1,000, Deduct	*-27.96*	
		For >1,000, Deduct	*-37.49*	
21 13 13 00-0049	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	111.25	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.10*	
		For >500 To 1,000, Deduct	*-28.12*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0050	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	111.23	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.09*	
		For >500 To 1,000, Deduct	*-28.12*	
		For >1,000, Deduct	*-37.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0051	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	156.65	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-10.48*	
		For >100 To 500, Deduct	*-20.90*	
		For >500 To 1,000, Deduct	*-37.20*	
		For >1,000, Deduct	*-47.78*	
21 13 13 00-0052	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	161.91	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-10.74*	
		For >100 To 500, Deduct	*-21.56*	
		For >500 To 1,000, Deduct	*-38.14*	
		For >1,000, Deduct	*-48.73*	
21 13 13 00-0053	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	161.91	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-10.74*	
		For >100 To 500, Deduct	*-21.56*	
		For >500 To 1,000, Deduct	*-38.14*	
		For >1,000, Deduct	*-48.73*	
21 13 13 00-0054	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	121.15	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.70*	
		For >100 To 500, Deduct	*-16.47*	
		For >500 To 1,000, Deduct	*-30.81*	
		For >1,000, Deduct	*-41.39*	
21 13 13 00-0055	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	124.75	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 500, Deduct	*-16.92*	
		For >500 To 1,000, Deduct	*-31.45*	
		For >1,000, Deduct	*-42.04*	
21 13 13 00-0056	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	124.75	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 500, Deduct	*-16.92*	
		For >500 To 1,000, Deduct	*-31.45*	
		For >1,000, Deduct	*-42.04*	
21 13 13 00-0057	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	422.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-23.51*	
		For >100 To 500, Deduct	*-54.01*	
		For >500 To 1,000, Deduct	*-84.16*	
		For >1,000, Deduct	*-93.69*	
21 13 13 00-0058	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	465.02	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-25.90*	
		For >100 To 500, Deduct	*-59.45*	
		For >500 To 1,000, Deduct	*-92.70*	
		For >1,000, Deduct	*-103.29*	
21 13 13 00-0059	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	211.81	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-12.97*	
		For >100 To 500, Deduct	*-27.67*	
		For >500 To 1,000, Deduct	*-46.22*	
		For >1,000, Deduct	*-55.75*	
21 13 13 00-0060	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	266.72	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-15.72*	
		For >100 To 500, Deduct	*-34.53*	
		For >500 To 1,000, Deduct	*-56.11*	
		For >1,000, Deduct	*-65.64*	
21 13 13 00-0061	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	496.34	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-27.20*	
		For >100 To 500, Deduct	*-63.23*	
		For >500 To 1,000, Deduct	*-97.44*	
		For >1,000, Deduct	*-106.97*	
21 13 13 00-0062	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	639.43	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-34.35*	
		For >100 To 500, Deduct	*-81.12*	
		For >500 To 1,000, Deduct	*-123.20*	
		For >1,000, Deduct	*-132.72*	
21 13 13 00-0063	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	272.01	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-16.25*	
		For >100 To 500, Deduct	*-35.32*	
		For >500 To 1,000, Deduct	*-57.96*	
		For >1,000, Deduct	*-68.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0064	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	273.67	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-16.33*	
		For >100 To 500, Deduct	*-35.53*	
		For >500 To 1,000, Deduct	*-58.26*	
		For >1,000, Deduct	*-68.84*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	92.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.76*	
		For >1,000, Deduct	*-34.29*	
21 13 13 00-0067	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	97.15	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-25.59*	
		For >1,000, Deduct	*-35.11*	
21 13 13 00-0068	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	100.06	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.39*	
		For >100 To 500, Deduct	*-13.70*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-35.64*	
21 13 13 00-0069	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	109.20	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 500, Deduct	*-14.97*	
		For >500 To 1,000, Deduct	*-28.65*	
		For >1,000, Deduct	*-39.24*	
21 13 13 00-0070	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	114.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 500, Deduct	*-15.64*	
		For >500 To 1,000, Deduct	*-29.62*	
		For >1,000, Deduct	*-40.21*	
21 13 13 00-0071	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	115.40	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.42*	
		For >100 To 500, Deduct	*-15.75*	
		For >500 To 1,000, Deduct	*-29.77*	
		For >1,000, Deduct	*-40.36*	
21 13 13 00-0072	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	422.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-23.51*	
		For >100 To 500, Deduct	*-54.01*	
		For >500 To 1,000, Deduct	*-84.16*	
		For >1,000, Deduct	*-93.69*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	92.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.76*	
		For >1,000, Deduct	*-34.29*	
21 13 13 00-0075	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	97.15	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-25.59*	
		For >1,000, Deduct	*-35.11*	
21 13 13 00-0076	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	100.06	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.39*	
		For >100 To 500, Deduct	*-13.70*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-35.64*	
21 13 13 00-0077	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	107.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 500, Deduct	*-14.77*	
		For >500 To 1,000, Deduct	*-28.36*	
		For >1,000, Deduct	*-38.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0078	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	114.57	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 500, Deduct	*-15.64*	
		For >500 To 1,000, Deduct	*-29.62*	
		For >1,000, Deduct	*-40.21*	
21 13 13 00-0079	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	115.99	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.45*	
		For >100 To 500, Deduct	*-15.82*	
		For >500 To 1,000, Deduct	*-29.88*	
		For >1,000, Deduct	*-40.46*	
21 13 13 00-0080	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	105.79	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-27.14*	
		For >1,000, Deduct	*-36.67*	
21 13 13 00-0081	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	110.36	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 500, Deduct	*-14.99*	
		For >500 To 1,000, Deduct	*-27.96*	
		For >1,000, Deduct	*-37.49*	
21 13 13 00-0082	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	111.25	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.10*	
		For >500 To 1,000, Deduct	*-28.12*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0083	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	105.79	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-27.14*	
		For >1,000, Deduct	*-36.67*	
21 13 13 00-0084	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	110.36	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 500, Deduct	*-14.99*	
		For >500 To 1,000, Deduct	*-27.96*	
		For >1,000, Deduct	*-37.49*	
21 13 13 00-0085	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	111.25	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.10*	
		For >500 To 1,000, Deduct	*-28.12*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0086	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	105.79	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-14.41*	
		For >500 To 1,000, Deduct	*-27.14*	
		For >1,000, Deduct	*-36.67*	
21 13 13 00-0087	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	110.36	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 500, Deduct	*-14.99*	
		For >500 To 1,000, Deduct	*-27.96*	
		For >1,000, Deduct	*-37.49*	
21 13 13 00-0088	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	111.25	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.10*	
		For >500 To 1,000, Deduct	*-28.12*	
		For >1,000, Deduct	*-37.65*	
21 13 13 00-0089	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	92.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.01*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.76*	
		For >1,000, Deduct	*-34.29*	
21 13 13 00-0090	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.15	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.33*	
		For >500 To 1,000, Deduct	*-25.59*	
		For >1,000, Deduct	*-35.11*	
21 13 13 00-0091	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	100.06	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.39*	
		For >100 To 500, Deduct	*-13.70*	
		For >500 To 1,000, Deduct	*-26.11*	
		For >1,000, Deduct	*-35.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0092	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	94.87	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.13*	
		For >100 To 500, Deduct	*-13.05*	
		For >500 To 1,000, Deduct	*-25.18*	
		For >1,000, Deduct	*-34.70*	
21 13 13 00-0093	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	98.11	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 500, Deduct	*-13.45*	
		For >500 To 1,000, Deduct	*-25.76*	
		For >1,000, Deduct	*-35.29*	
21 13 13 00-0094	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	101.06	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 500, Deduct	*-13.82*	
		For >500 To 1,000, Deduct	*-26.29*	
		For >1,000, Deduct	*-35.82*	
21 13 13 00-0095	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	111.90	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-15.31*	
		For >500 To 1,000, Deduct	*-29.14*	
		For >1,000, Deduct	*-39.73*	
21 13 13 00-0096	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	117.83	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-16.05*	
		For >500 To 1,000, Deduct	*-30.21*	
		For >1,000, Deduct	*-40.79*	
21 13 13 00-0097	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	117.83	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 500, Deduct	*-16.05*	
		For >500 To 1,000, Deduct	*-30.21*	
		For >1,000, Deduct	*-40.79*	
21 13 13 00-0098	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.95	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.83*	
		For >100 To 500, Deduct	*-14.81*	
		For >500 To 1,000, Deduct	*-27.71*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0099	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	114.94	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-28.79*	
		For >1,000, Deduct	*-38.32*	
21 13 13 00-0100	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	123.91	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-16.68*	
		For >500 To 1,000, Deduct	*-30.40*	
		For >1,000, Deduct	*-39.93*	
21 13 13 00-0101	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	133.73	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-17.91*	
		For >500 To 1,000, Deduct	*-32.17*	
		For >1,000, Deduct	*-41.70*	
21 13 13 00-0102	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	123.91	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-16.68*	
		For >500 To 1,000, Deduct	*-30.40*	
		For >1,000, Deduct	*-39.93*	
21 13 13 00-0103	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	133.73	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-17.91*	
		For >500 To 1,000, Deduct	*-32.17*	
		For >1,000, Deduct	*-41.70*	
21 13 13 00-0104	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	101.21	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 500, Deduct	*-13.84*	
		For >500 To 1,000, Deduct	*-26.32*	
		For >1,000, Deduct	*-35.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0105	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	106.35	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.48*	
		For >500 To 1,000, Deduct	*-27.24*	
		For >1,000, Deduct	*-36.77*	
21 13 13 00-0106	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.05	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.83*	
		For >100 To 500, Deduct	*-14.82*	
		For >500 To 1,000, Deduct	*-27.73*	
		For >1,000, Deduct	*-37.26*	
21 13 13 00-0107	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	109.75	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-28.75*	
		For >1,000, Deduct	*-39.34*	
21 13 13 00-0108	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	114.83	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.39*	
		For >100 To 500, Deduct	*-15.68*	
		For >500 To 1,000, Deduct	*-29.67*	
		For >1,000, Deduct	*-40.25*	
21 13 13 00-0109	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	119.75	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.63*	
		For >100 To 500, Deduct	*-16.29*	
		For >500 To 1,000, Deduct	*-30.55*	
		For >1,000, Deduct	*-41.14*	
21 13 13 00-0110	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	104.11	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 500, Deduct	*-14.20*	
		For >500 To 1,000, Deduct	*-26.84*	
		For >1,000, Deduct	*-36.37*	
21 13 13 00-0111	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	109.16	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.84*	
		For >100 To 500, Deduct	*-14.84*	
		For >500 To 1,000, Deduct	*-27.75*	
		For >1,000, Deduct	*-37.28*	
21 13 13 00-0112	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	111.91	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.98*	
		For >100 To 500, Deduct	*-15.18*	
		For >500 To 1,000, Deduct	*-28.24*	
		For >1,000, Deduct	*-37.77*	
21 13 13 00-0113	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	111.90	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-15.31*	
		For >500 To 1,000, Deduct	*-29.14*	
		For >1,000, Deduct	*-39.73*	
21 13 13 00-0114	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	117.20	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.51*	
		For >100 To 500, Deduct	*-15.97*	
		For >500 To 1,000, Deduct	*-30.09*	
		For >1,000, Deduct	*-40.68*	
21 13 13 00-0115	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	122.31	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.76*	
		For >100 To 500, Deduct	*-16.61*	
		For >500 To 1,000, Deduct	*-31.01*	
		For >1,000, Deduct	*-41.60*	
21 13 13 00-0116	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	184.33	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-11.60*	
		For >100 To 500, Deduct	*-24.23*	
		For >500 To 1,000, Deduct	*-41.28*	
		For >1,000, Deduct	*-50.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0117	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	184.33	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-11.60*	
		For >100 To 500, Deduct	*-24.23*	
		For >500 To 1,000, Deduct	*-41.28*	
		For >1,000, Deduct	*-50.81*	
21 13 13 00-0118	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	126.42	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.97*	
		For >100 To 500, Deduct	*-17.13*	
		For >500 To 1,000, Deduct	*-31.75*	
		For >1,000, Deduct	*-42.34*	
21 13 13 00-0119	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	130.30	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-9.16*	
		For >100 To 500, Deduct	*-17.61*	
		For >500 To 1,000, Deduct	*-32.45*	
		For >1,000, Deduct	*-43.04*	
21 13 13 00-0120	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	130.30	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-9.16*	
		For >100 To 500, Deduct	*-17.61*	
		For >500 To 1,000, Deduct	*-32.45*	
		For >1,000, Deduct	*-43.04*	
21 13 13 00-0121	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	121.15	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.70*	
		For >100 To 500, Deduct	*-16.47*	
		For >500 To 1,000, Deduct	*-30.81*	
		For >1,000, Deduct	*-41.39*	
21 13 13 00-0122	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	124.75	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 500, Deduct	*-16.92*	
		For >500 To 1,000, Deduct	*-31.45*	
		For >1,000, Deduct	*-42.04*	
21 13 13 00-0123	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	124.75	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 500, Deduct	*-16.92*	
		For >500 To 1,000, Deduct	*-31.45*	
		For >1,000, Deduct	*-42.04*	
21 13 13 00-0124	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	422.57	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-23.51*	
		For >100 To 500, Deduct	*-54.01*	
		For >500 To 1,000, Deduct	*-84.16*	
		For >1,000, Deduct	*-93.69*	
21 13 13 00-0125	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	465.02	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-25.90*	
		For >100 To 500, Deduct	*-59.45*	
		For >500 To 1,000, Deduct	*-92.70*	
		For >1,000, Deduct	*-103.29*	
21 13 13 00-0126	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	211.81	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-12.97*	
		For >100 To 500, Deduct	*-27.67*	
		For >500 To 1,000, Deduct	*-46.22*	
		For >1,000, Deduct	*-55.75*	
21 13 13 00-0127	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	266.72	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-15.72*	
		For >100 To 500, Deduct	*-34.53*	
		For >500 To 1,000, Deduct	*-56.11*	
		For >1,000, Deduct	*-65.64*	
21 13 13 00-0128	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	496.34	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-27.20*	
		For >100 To 500, Deduct	*-63.23*	
		For >500 To 1,000, Deduct	*-97.44*	
		For >1,000, Deduct	*-106.97*	
21 13 13 00-0129	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	639.43	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-34.35*	
		For >100 To 500, Deduct	*-81.12*	
		For >500 To 1,000, Deduct	*-123.20*	
		For >1,000, Deduct	*-132.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0130	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	272.01	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-16.25*	
		For >100 To 500, Deduct	*-35.32*	
		For >500 To 1,000, Deduct	*-57.96*	
		For >1,000, Deduct	*-68.55*	
21 13 13 00-0131	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	273.67	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-16.33*	
		For >100 To 500, Deduct	*-35.53*	
		For >500 To 1,000, Deduct	*-58.26*	
		For >1,000, Deduct	*-68.84*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	99.41	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 500, Deduct	*-13.62*	
		For >500 To 1,000, Deduct	*-25.99*	
		For >1,000, Deduct	*-35.52*	
21 13 13 00-0135	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	103.08	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.08*	
		For >500 To 1,000, Deduct	*-26.65*	
		For >1,000, Deduct	*-36.18*	
21 13 13 00-0136	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	108.87	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.83*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-27.70*	
		For >1,000, Deduct	*-37.22*	
21 13 13 00-0137	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.48	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.46*	
		For >100 To 500, Deduct	*-13.88*	
		For >500 To 1,000, Deduct	*-26.37*	
		For >1,000, Deduct	*-35.89*	
21 13 13 00-0138	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	105.21	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.64*	
		For >100 To 500, Deduct	*-14.34*	
		For >500 To 1,000, Deduct	*-27.04*	
		For >1,000, Deduct	*-36.56*	
21 13 13 00-0139	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	111.12	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.94*	
		For >100 To 500, Deduct	*-15.08*	
		For >500 To 1,000, Deduct	*-28.10*	
		For >1,000, Deduct	*-37.63*	
21 13 13 00-0140	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	114.94	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.56*	
		For >500 To 1,000, Deduct	*-28.79*	
		For >1,000, Deduct	*-38.32*	
21 13 13 00-0141	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	120.91	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 500, Deduct	*-16.30*	
		For >500 To 1,000, Deduct	*-29.86*	
		For >1,000, Deduct	*-39.39*	
21 13 13 00-0142	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	123.26	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.81*	
		For >100 To 500, Deduct	*-16.73*	
		For >500 To 1,000, Deduct	*-31.18*	
		For >1,000, Deduct	*-41.77*	
21 13 13 00-0143	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	132.20	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-9.26*	
		For >100 To 500, Deduct	*-17.85*	
		For >500 To 1,000, Deduct	*-32.79*	
		For >1,000, Deduct	*-43.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0144	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	127.81	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.77*	
		For >100 To 500, Deduct	*-17.17*	
		For >500 To 1,000, Deduct	*-31.10*	
		For >1,000, Deduct	*-40.63*	
21 13 13 00-0145	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	133.73	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-17.91*	
		For >500 To 1,000, Deduct	*-32.17*	
		For >1,000, Deduct	*-41.70*	
21 13 13 00-0146	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	127.81	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-8.77*	
		For >100 To 500, Deduct	*-17.17*	
		For >500 To 1,000, Deduct	*-31.10*	
		For >1,000, Deduct	*-40.63*	
21 13 13 00-0147	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	133.73	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-17.91*	
		For >500 To 1,000, Deduct	*-32.17*	
		For >1,000, Deduct	*-41.70*	
21 13 13 00-0148	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	96.29	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.20*	
		For >100 To 500, Deduct	*-13.23*	
		For >500 To 1,000, Deduct	*-25.43*	
		For >1,000, Deduct	*-34.96*	
21 13 13 00-0149	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	99.32	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 500, Deduct	*-13.61*	
		For >500 To 1,000, Deduct	*-25.98*	
		For >1,000, Deduct	*-35.50*	
21 13 13 00-0150	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	103.09	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.08*	
		For >500 To 1,000, Deduct	*-26.66*	
		For >1,000, Deduct	*-36.18*	
21 13 13 00-0151	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	105.13	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-7.90*	
		For >100 To 500, Deduct	*-14.46*	
		For >500 To 1,000, Deduct	*-27.92*	
		For >1,000, Deduct	*-38.51*	
21 13 13 00-0152	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	108.38	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 500, Deduct	*-14.87*	
		For >500 To 1,000, Deduct	*-28.51*	
		For >1,000, Deduct	*-39.09*	
21 13 13 00-0153	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	111.89	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-15.31*	
		For >500 To 1,000, Deduct	*-29.14*	
		For >1,000, Deduct	*-39.72*	
21 13 13 00-0154	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	107.71	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.03*	
		For >100 To 500, Deduct	*-14.79*	
		For >500 To 1,000, Deduct	*-28.39*	
		For >1,000, Deduct	*-38.97*	
21 13 13 00-0155	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	111.08	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 500, Deduct	*-15.21*	
		For >500 To 1,000, Deduct	*-28.99*	
		For >1,000, Deduct	*-39.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0156	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	114.73	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.38*	
		For >100 To 500, Deduct	*-15.66*	
		For >500 To 1,000, Deduct	*-29.65*	
		For >1,000, Deduct	*-40.24*	
21 13 13 00-0157	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	114.78	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.39*	
		For >100 To 500, Deduct	*-15.67*	
		For >500 To 1,000, Deduct	*-29.66*	
		For >1,000, Deduct	*-40.24*	
21 13 13 00-0158	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	119.76	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.63*	
		For >100 To 500, Deduct	*-16.29*	
		For >500 To 1,000, Deduct	*-30.55*	
		For >1,000, Deduct	*-41.14*	
21 13 13 00-0159	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	119.76	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-8.63*	
		For >100 To 500, Deduct	*-16.29*	
		For >500 To 1,000, Deduct	*-30.55*	
		For >1,000, Deduct	*-41.14*	
21 13 13 00-0160	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	217.35	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-13.25*	
		For >100 To 500, Deduct	*-28.36*	
		For >500 To 1,000, Deduct	*-47.22*	
		For >1,000, Deduct	*-56.75*	
21 13 13 00-0161	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	217.35	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-13.25*	
		For >100 To 500, Deduct	*-28.36*	
		For >500 To 1,000, Deduct	*-47.22*	
		For >1,000, Deduct	*-56.75*	
21 13 13 00-0162	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	97.56	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.39*	
		For >500 To 1,000, Deduct	*-25.66*	
		For >1,000, Deduct	*-35.19*	
21 13 13 00-0163	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	97.56	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.39*	
		For >500 To 1,000, Deduct	*-25.66*	
		For >1,000, Deduct	*-35.19*	
21 13 13 00-0164	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	97.56	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.39*	
		For >500 To 1,000, Deduct	*-25.66*	
		For >1,000, Deduct	*-35.19*	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0166	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	104.17	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-26.85*	
		For >1,000, Deduct	*-36.38*	
21 13 13 00-0167	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	108.74	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 500, Deduct	*-14.78*	
		For >500 To 1,000, Deduct	*-27.67*	
		For >1,000, Deduct	*-37.20*	
21 13 13 00-0168	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	110.70	11.90
		For >25 To 50, Deduct	*-2.38*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-15.03*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.55*	

21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0170		Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead	153.40	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-10.85*	
		For >100 To 500, Deduct	*-20.76*	
		For >500 To 1,000, Deduct	*-38.41*	
		For >1,000, Deduct	*-51.11*	
21 13 13 00-0172	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head	99.74	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-8.16*	
		For >100 To 500, Deduct	*-14.06*	
		For >500 To 1,000, Deduct	*-28.75*	
		For >1,000, Deduct	*-41.45*	
21 13 13 00-0173	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head	101.70	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-8.26*	
		For >100 To 500, Deduct	*-14.30*	
		For >500 To 1,000, Deduct	*-29.10*	
		For >1,000, Deduct	*-41.80*	
21 13 13 00-0174	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head	133.61	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-18.42*	
		For >500 To 1,000, Deduct	*-35.75*	
		For >1,000, Deduct	*-49.51*	
21 13 13 00-0175	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.31	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-9.59*	
		For >100 To 500, Deduct	*-17.63*	
		For >500 To 1,000, Deduct	*-33.89*	
		For >1,000, Deduct	*-46.59*	
21 13 13 00-0176	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.31	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-9.59*	
		For >100 To 500, Deduct	*-17.63*	
		For >500 To 1,000, Deduct	*-33.89*	
		For >1,000, Deduct	*-46.59*	
21 13 13 00-0177	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	133.61	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.12*	
		For >100 To 500, Deduct	*-18.42*	
		For >500 To 1,000, Deduct	*-35.75*	
		For >1,000, Deduct	*-49.51*	
21 13 13 00-0178	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	115.76	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-8.96*	
		For >100 To 500, Deduct	*-16.06*	
		For >500 To 1,000, Deduct	*-31.63*	
		For >1,000, Deduct	*-44.34*	
21 13 13 00-0179	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.31	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-9.59*	
		For >100 To 500, Deduct	*-17.63*	
		For >500 To 1,000, Deduct	*-33.89*	
		For >1,000, Deduct	*-46.59*	
21 13 13 00-0180	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	128.31	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-9.59*	
		For >100 To 500, Deduct	*-17.63*	
		For >500 To 1,000, Deduct	*-33.89*	
		For >1,000, Deduct	*-46.59*	
21 13 13 00-0181	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.73	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-9.11*	
		For >100 To 500, Deduct	*-16.43*	
		For >500 To 1,000, Deduct	*-32.17*	
		For >1,000, Deduct	*-44.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0182	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	213.72	18.53
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.71*	
		For >50 To 100, Deduct	*-14.39*	
		For >100 To 500, Deduct	*-28.57*	
		For >500 To 1,000, Deduct	*-51.07*	
		For >1,000, Deduct	*-65.89*	
21 13 13 00-0183	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	109.50	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-8.65*	
		For >100 To 500, Deduct	*-15.28*	
		For >500 To 1,000, Deduct	*-30.51*	
		For >1,000, Deduct	*-43.21*	
21 13 13 00-0184	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.99	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-9.14*	
		For >100 To 500, Deduct	*-15.97*	
		For >500 To 1,000, Deduct	*-32.22*	
		For >1,000, Deduct	*-45.98*	
21 13 13 00-0185	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	111.26	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-8.74*	
		For >100 To 500, Deduct	*-15.50*	
		For >500 To 1,000, Deduct	*-30.82*	
		For >1,000, Deduct	*-43.53*	
21 13 13 00-0186	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	116.56	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-9.27*	
		For >100 To 500, Deduct	*-16.29*	
		For >500 To 1,000, Deduct	*-32.68*	
		For >1,000, Deduct	*-46.44*	
21 13 13 00-0187	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	134.43	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.16*	
		For >100 To 500, Deduct	*-18.52*	
		For >500 To 1,000, Deduct	*-35.90*	
		For >1,000, Deduct	*-49.66*	
21 13 13 00-0188	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	254.43	18.53
		For >25 To 50, Deduct	*-3.71*	
		For >50 To 100, Deduct	*-16.43*	
		For >100 To 500, Deduct	*-33.66*	
		For >500 To 1,000, Deduct	*-58.39*	
		For >1,000, Deduct	*-73.21*	
21 13 13 00-0189	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	254.43	18.53
		For >25 To 50, Deduct	*-3.71*	
		For >50 To 100, Deduct	*-16.43*	
		For >100 To 500, Deduct	*-33.66*	
		For >500 To 1,000, Deduct	*-58.39*	
		For >1,000, Deduct	*-73.21*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	168.34	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 500, Deduct	*-22.63*	
		For >500 To 1,000, Deduct	*-41.10*	
		For >1,000, Deduct	*-53.80*	
21 13 13 00-0192	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	191.11	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-13.00*	
		For >100 To 500, Deduct	*-25.61*	
		For >500 To 1,000, Deduct	*-46.10*	
		For >1,000, Deduct	*-59.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0193	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	124.70	15.88
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-9.41*	
		For >100 To 500, Deduct	*-17.18*	
		For >500 To 1,000, Deduct	*-33.24*	
		For >1,000, Deduct	*-45.94*	
21 13 13 00-0194	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	123.35	17.21
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-9.61*	
		For >100 To 500, Deduct	*-17.14*	
		For >500 To 1,000, Deduct	*-33.90*	
		For >1,000, Deduct	*-47.66*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	458.92	13.23
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-25.59*	
		For >100 To 500, Deduct	*-58.69*	
		For >500 To 1,000, Deduct	*-91.60*	
		For >1,000, Deduct	*-102.19*	
21 13 13 00-0197	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	447.19	13.23
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-25.01*	
		For >100 To 500, Deduct	*-57.22*	
		For >500 To 1,000, Deduct	*-89.49*	
		For >1,000, Deduct	*-100.08*	
21 13 13 00-0198	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	177.07	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-11.50*	
		For >100 To 500, Deduct	*-23.46*	
		For >500 To 1,000, Deduct	*-40.87*	
		For >1,000, Deduct	*-51.46*	
21 13 13 00-0199	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	201.40	13.23
		For >25 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-12.72*	
		For >100 To 500, Deduct	*-26.50*	
		For >500 To 1,000, Deduct	*-45.25*	
		For >1,000, Deduct	*-55.84*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	69.51	13.60
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-9.26*	
		For >500 To 1,000, Deduct	*-16.37*	
		For >1,000, Deduct	*-20.90*	
21 13 13 00-0203	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	69.51	13.60
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 500, Deduct	*-9.26*	
		For >500 To 1,000, Deduct	*-16.37*	
		For >1,000, Deduct	*-20.90*	
21 13 13 00-0204	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	70.47	13.60
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-4.66*	
		For >100 To 500, Deduct	*-9.38*	
		For >500 To 1,000, Deduct	*-16.54*	
		For >1,000, Deduct	*-21.07*	
21 13 13 00-0205	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	60.61	13.60
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-8.14*	
		For >500 To 1,000, Deduct	*-14.76*	
		For >1,000, Deduct	*-19.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0206	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	60.61	13.60
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-8.14*	
		For >500 To 1,000, Deduct	*-14.76*	
		For >1,000, Deduct	*-19.30*	
21 13 13 00-0207	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	60.61	13.60
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-4.16*	
		For >100 To 500, Deduct	*-8.14*	
		For >500 To 1,000, Deduct	*-14.76*	
		For >1,000, Deduct	*-19.30*	
21 13 13 00-0208	EA	1" Diameter Female NPT x 3/4" Diameter Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	68.11	14.79
		For >25 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-4.64*	
		For >100 To 500, Deduct	*-9.13*	
		For >500 To 1,000, Deduct	*-16.45*	
		For >1,000, Deduct	*-21.38*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	27.14	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-6.24*	
		For >1,000, Deduct	*-7.82*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	27.14	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-6.24*	
		For >1,000, Deduct	*-7.82*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	25.39	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 500, Deduct	*-3.37*	
		For >500 To 1,000, Deduct	*-5.92*	
		For >1,000, Deduct	*-7.51*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	25.39	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 500, Deduct	*-3.37*	
		For >500 To 1,000, Deduct	*-5.92*	
		For >1,000, Deduct	*-7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	17.45	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 500, Deduct	*-2.38*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-6.08*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	26.26	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 500, Deduct	*-3.48*	
		For >500 To 1,000, Deduct	*-6.08*	
		For >1,000, Deduct	*-7.66*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	26.26	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 500, Deduct	*-3.48*	
		For >500 To 1,000, Deduct	*-6.08*	
		For >1,000, Deduct	*-7.66*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	9.17	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.72*	
		For >100 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.55*	
		For >1,000, Deduct	*-3.61*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.95	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.39*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.29	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.45*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	9.39	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.73*	
		For >100 To 500, Deduct	*-1.31*	
		For >500 To 1,000, Deduct	*-2.59*	
		For >1,000, Deduct	*-3.65*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	8.17	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.43*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	8.17	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.37*	
		For >1,000, Deduct	*-3.43*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	10.66	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 500, Deduct	*-1.46*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000, Deduct	*-3.88*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	8.14	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.42*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	8.14	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.67*	
		For >100 To 500, Deduct	*-1.15*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.42*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	14.18	4.89
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-5.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	13.51	4.89
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.05*	
		For >100 To 500, Deduct	*-1.87*	
		For >500 To 1,000, Deduct	*-3.69*	
		For >1,000, Deduct	*-5.17*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	13.73	4.89
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-5.21*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	14.40	4.89
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.09*	
		For >100 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-5.33*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	13.73	4.89
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.06*	
		For >100 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-3.73*	
		For >1,000, Deduct	*-5.21*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	14.18	4.89
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000, Deduct	*-5.29*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.25	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.10*	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.25	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.10*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.25	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.10*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.25	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.10*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	34.25	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.10*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	34.25	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.48*	
		For >500 To 1,000, Deduct	*-7.51*	
		For >1,000, Deduct	*-9.10*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	40.26	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.41*	
		For >100 To 500, Deduct	*-5.23*	
		For >500 To 1,000, Deduct	*-8.60*	
		For >1,000, Deduct	*-10.18*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	41.66	4.77
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 500, Deduct	*-5.41*	
		For >500 To 1,000, Deduct	*-8.85*	
		For >1,000, Deduct	*-10.44*	

21 13 13 00-0247 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	87.21	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-4.81*	
		For >100 To 500, Deduct	*-11.13*	
		For >500 To 1,000, Deduct	*-17.23*	
		For >1,000, Deduct	*-19.03*	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	39.48	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 500, Deduct	*-5.16*	
		For >500 To 1,000, Deduct	*-8.64*	
		For >1,000, Deduct	*-10.44*	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	60.18	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.46*	
		For >100 To 500, Deduct	*-7.75*	
		For >500 To 1,000, Deduct	*-12.36*	
		For >1,000, Deduct	*-14.16*	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	54.81	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.40*	
		For >1,000, Deduct	*-13.20*	
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	42.63	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-9.20*	
		For >1,000, Deduct	*-11.00*	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	42.63	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-9.20*	
		For >1,000, Deduct	*-11.00*	
21 13 13 00-0254	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	54.81	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.40*	
		For >1,000, Deduct	*-13.20*	
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	54.81	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.40*	
		For >1,000, Deduct	*-13.20*	
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	64.46	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 500, Deduct	*-8.28*	
		For >500 To 1,000, Deduct	*-13.13*	
		For >1,000, Deduct	*-14.93*	
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	64.46	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 500, Deduct	*-8.28*	
		For >500 To 1,000, Deduct	*-13.13*	
		For >1,000, Deduct	*-14.93*	
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	64.46	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.67*	
		For >100 To 500, Deduct	*-8.28*	
		For >500 To 1,000, Deduct	*-13.13*	
		For >1,000, Deduct	*-14.93*	
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	54.87	5.40
		For >25 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 500, Deduct	*-7.08*	
		For >500 To 1,000, Deduct	*-11.41*	
		For >1,000, Deduct	*-13.21*	
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	96.61	6.35
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-5.36*	
		For >100 To 500, Deduct	*-12.34*	
		For >500 To 1,000, Deduct	*-19.19*	
		For >1,000, Deduct	*-21.30*	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	20.42	3.18
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 500, Deduct	*-2.68*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000, Deduct	*-5.63*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	27.40	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 500, Deduct	*-3.56*	
		For >500 To 1,000, Deduct	*-5.88*	
		For >1,000, Deduct	*-6.99*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	35.24	3.50
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-7.33*	
		For >1,000, Deduct	*-8.50*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	42.23	3.65
		For >25 To 50, Deduct	*-0.30*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 500, Deduct	*-5.43*	
		For >500 To 1,000, Deduct	*-8.64*	
		For >1,000, Deduct	*-9.85*	

21 13 13 00-0266 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	25.51	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000, Deduct	*-10.47*	
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	29.24	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.05*	
		For >500 To 1,000, Deduct	*-7.96*	
		For >1,000, Deduct	*-11.14*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	35.59	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 500, Deduct	*-4.85*	
		For >500 To 1,000, Deduct	*-9.11*	
		For >1,000, Deduct	*-12.28*	
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	43.43	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 500, Deduct	*-5.83*	
		For >500 To 1,000, Deduct	*-10.52*	
		For >1,000, Deduct	*-13.69*	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	29.09	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 500, Deduct	*-4.03*	
		For >500 To 1,000, Deduct	*-7.94*	
		For >1,000, Deduct	*-11.11*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	31.51	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 500, Deduct	*-4.34*	
		For >500 To 1,000, Deduct	*-8.37*	
		For >1,000, Deduct	*-11.55*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	49.49	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 500, Deduct	*-6.58*	
		For >500 To 1,000, Deduct	*-11.61*	
		For >1,000, Deduct	*-14.78*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	45.89	9.53
		For >25 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 500, Deduct	*-6.13*	
		For >500 To 1,000, Deduct	*-10.96*	
		For >1,000, Deduct	*-14.14*	

21 13 13 00-0275 Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	13.61	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.83*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.41*	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	17.16	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.12*	
		For >100 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000, Deduct	*-5.05*	
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon	13.50	3.50
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-3.33*	
		For >1,000, Deduct	*-4.39*	

21 13 13 00-0285 Pendent Shield And O-Ring Assembly *(21 13 13 00-0200)*

21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly	20.45	6.99
		For >25 To 50, Deduct	*-0.53*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-2.82*	
		For >500 To 1,000, Deduct	*-5.48*	
		For >1,000, Deduct	*-7.60*	

21 13 13 00-0287 Replacement Insulating Sealing Assembly *(21 13 13 00-0200)*

21 13 13 00-0288	EA	Insulating Sealing Assembly	91.11	15.88
		For >100 To 500, Deduct	*-12.18*	
		For >500 To 1,000, Deduct	*-21.80*	

21 13 13 00-0289 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 13 13 00-0290	EA	2' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	77.01	16.41
		For >25 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-5.50*	
		For >100 To 500, Deduct	*-10.45*	
		For >500 To 1,000, Deduct	*-19.49*	
		For >1,000, Deduct	*-26.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0291	EA	3' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	85.46	16.93
		For >25 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-6.01*	
		For >100 To 500, Deduct	*-11.55*	
		For >500 To 1,000, Deduct	*-21.30*	
		For >1,000, Deduct	*-28.27*	
21 13 13 00-0292	EA	4' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	94.05	17.99
		For >25 To 50, Deduct	*-1.84*	
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 500, Deduct	*-12.68*	
		For >500 To 1,000, Deduct	*-23.18*	
		For >1,000, Deduct	*-30.53*	
21 13 13 00-0293	EA	5' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	102.90	19.05
		For >25 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-7.09*	
		For >100 To 500, Deduct	*-13.84*	
		For >500 To 1,000, Deduct	*-25.14*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0294	EA	6' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	112.01	21.17
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-7.67*	
		For >100 To 500, Deduct	*-15.04*	
		For >500 To 1,000, Deduct	*-27.19*	
		For >1,000, Deduct	*-35.46*	

21 13 13 00-0295 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	166.22
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	171.51
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	192.52
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	692.19
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	374.71
21 13 13 00-0301	EA	Sprinkler Wrench, FC	373.25
21 13 13 00-0302	EA	Sprinkler Wrench, W2	123.93

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assemblies *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1599 for individual grooved pipe, 23 21 13 23-1672 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	711.82
		For Up To 5, Add	*321.88*
		For >5 To 10, Add	*164.07*
		For >10 To 20, Add	*126.92*
		For >20 To 40, Add	*54.17*
		For >100 To 150, Deduct	*-71.18*
		For >150, Deduct	*-142.36*
		For Copper Pipe, Add	*88.20*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-123.79*
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	869.76
		For Up To 5, Add	*398.31*
		For >5 To 10, Add	*212.98*
		For >10 To 20, Add	*162.58*
		For >20 To 40, Add	*68.69*
		For >100 To 150, Deduct	*-86.98*
		For >150, Deduct	*-173.95*
		For Copper Pipe, Add	*105.26*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-148.75*
		For Work In Restricted Working Space, Add	*151.21*

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	691.00	
		For Up To 5, Add	*313.09*	
		For >5 To 10, Add	*160.83*	
		For >10 To 20, Add	*124.14*	
		For >20 To 40, Add	*52.90*	
		For >100 To 150, Deduct	*-69.10*	
		For >150, Deduct	*-138.20*	
		For Copper Pipe, Add	*85.30*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-119.85*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	846.30	
		For Up To 5, Add	*388.31*	
		For >5 To 10, Add	*209.12*	
		For >10 To 20, Add	*159.32*	
		For >20 To 40, Add	*67.21*	
		For >100 To 150, Deduct	*-84.63*	
		For >150, Deduct	*-169.26*	
		For Copper Pipe, Add	*102.05*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-144.36*	
		For Work In Restricted Working Space, Add	*149.38*	
21 13 16 00-0008		**Extra Hazard, Dry-Pipe Sprinkler System Assemblies** *(21 13 16 00-0001)*		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	648.98	
		For Up To 5, Add	*293.78*	
		For >5 To 10, Add	*150.38*	
		For >10 To 20, Add	*116.19*	
		For >20 To 40, Add	*49.55*	
		For >100 To 150, Deduct	*-64.90*	
		For >150, Deduct	*-129.80*	
		For Copper Pipe, Add	*80.25*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-112.70*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	787.75	
		For Up To 5, Add	*361.48*	
		For >5 To 10, Add	*194.72*	
		For >10 To 20, Add	*148.34*	
		For >20 To 40, Add	*62.58*	
		For >100 To 150, Deduct	*-78.78*	
		For >150, Deduct	*-157.55*	
		For Copper Pipe, Add	*94.97*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-134.36*	
		For Work In Restricted Working Space, Add	*139.14*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Compressors** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,542.49	323.05
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,715.41	323.05
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,861.32	323.05
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,428.72	323.05
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)* Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Diameter, Dry Pipe Valve	4,618.41	203.30
21 13 16 00-0019	EA	3" Diameter, Dry Pipe Valve	5,139.26	232.87
21 13 16 00-0020	EA	4" Diameter, Dry Pipe Valve	5,674.43	395.51
21 13 16 00-0021	EA	6" Diameter, Dry Pipe Valve	7,197.05	499.01
21 13 16 00-0022	EA	8" Diameter, Dry Pipe Valve	11,080.58	502.70
21 13 16 00-0023		**Dry Pipe Valve Trim** *(21 13 16 00-0016)* Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Diameter, Dry Pipe Valve Trim	1,330.70	286.84
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0025	EA	3" Diameter, Dry Pipe Valve Trim	1,375.05	315.42
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0026	EA	4" Diameter, Dry Pipe Valve Trim	1,570.39	393.29
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0027	EA	6" Diameter, Dry Pipe Valve Trim	1,698.54	473.13
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0028	EA	8" Diameter, Dry Pipe Valve Trim	1,916.40	532.28
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
21 13 16 00-0029		**Dry Pipe Fire Protection Air Compressors** *(21 13 16 00-0016)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,535.96	178.51
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,863.39	190.03
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,383.81	202.69
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,597.33	233.79
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,214.59	276.41
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,059.56	292.53
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,917.38	304.05

21 13 16 00-0037 Dry Pipe Fire Protection Nitrogen Generator *(21 13 16 00-0016)*

21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,112.98	276.41
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	12,330.25	292.53
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	17,514.92	380.05

21 13 16 00-0041 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	318.31	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-19.09*	
		For >100 To 500, Deduct	*-41.38*	
		For >500 To 1,000, Deduct	*-68.09*	
		For >1,000, Deduct	*-80.79*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	332.98	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-19.82*	
		For >100 To 500, Deduct	*-43.21*	
		For >500 To 1,000, Deduct	*-70.73*	
		For >1,000, Deduct	*-83.44*	
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	347.67	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-20.56*	
		For >100 To 500, Deduct	*-45.05*	
		For >500 To 1,000, Deduct	*-73.38*	
		For >1,000, Deduct	*-86.08*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	362.39	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-21.30*	
		For >100 To 500, Deduct	*-46.89*	
		For >500 To 1,000, Deduct	*-76.03*	
		For >1,000, Deduct	*-88.73*	
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.08	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-22.03*	
		For >100 To 500, Deduct	*-48.72*	
		For >500 To 1,000, Deduct	*-78.67*	
		For >1,000, Deduct	*-91.37*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	391.76	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-22.76*	
		For >100 To 500, Deduct	*-50.56*	
		For >500 To 1,000, Deduct	*-81.31*	
		For >1,000, Deduct	*-94.02*	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	406.44	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-23.50*	
		For >100 To 500, Deduct	*-52.39*	
		For >500 To 1,000, Deduct	*-83.96*	
		For >1,000, Deduct	*-96.66*	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	421.16	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-24.23*	
		For >100 To 500, Deduct	*-54.23*	
		For >500 To 1,000, Deduct	*-86.61*	
		For >1,000, Deduct	*-99.31*	
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	435.82	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-24.97*	
		For >100 To 500, Deduct	*-56.07*	
		For >500 To 1,000, Deduct	*-89.24*	
		For >1,000, Deduct	*-101.95*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	450.52	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-25.70*	
		For >100 To 500, Deduct	*-57.90*	
		For >500 To 1,000, Deduct	*-91.89*	
		For >1,000, Deduct	*-104.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	465.23	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-26.44*	
		For >100 To 500, Deduct	*-59.74*	
		For >500 To 1,000, Deduct	*-94.54*	
		For >1,000, Deduct	*-107.24*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	479.92	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-27.17*	
		For >100 To 500, Deduct	*-61.58*	
		For >500 To 1,000, Deduct	*-97.18*	
		For >1,000, Deduct	*-109.88*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	494.64	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-27.91*	
		For >100 To 500, Deduct	*-63.42*	
		For >500 To 1,000, Deduct	*-99.83*	
		For >1,000, Deduct	*-112.53*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	509.29	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-28.64*	
		For >100 To 500, Deduct	*-65.25*	
		For >500 To 1,000, Deduct	*-102.47*	
		For >1,000, Deduct	*-115.17*	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	524.00	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-29.38*	
		For >100 To 500, Deduct	*-67.09*	
		For >500 To 1,000, Deduct	*-105.12*	
		For >1,000, Deduct	*-117.82*	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	314.77	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-18.91*	
		For >100 To 500, Deduct	*-40.93*	
		For >500 To 1,000, Deduct	*-67.46*	
		For >1,000, Deduct	*-80.16*	
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	329.48	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-19.65*	
		For >100 To 500, Deduct	*-42.77*	
		For >500 To 1,000, Deduct	*-70.10*	
		For >1,000, Deduct	*-82.81*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	344.20	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-20.39*	
		For >100 To 500, Deduct	*-44.61*	
		For >500 To 1,000, Deduct	*-72.75*	
		For >1,000, Deduct	*-85.45*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	358.84	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-21.12*	
		For >100 To 500, Deduct	*-46.44*	
		For >500 To 1,000, Deduct	*-75.39*	
		For >1,000, Deduct	*-88.09*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	373.55	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-21.85*	
		For >100 To 500, Deduct	*-48.28*	
		For >500 To 1,000, Deduct	*-78.04*	
		For >1,000, Deduct	*-90.74*	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	388.21	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-22.59*	
		For >100 To 500, Deduct	*-50.11*	
		For >500 To 1,000, Deduct	*-80.67*	
		For >1,000, Deduct	*-93.38*	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	402.96	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-23.32*	
		For >100 To 500, Deduct	*-51.96*	
		For >500 To 1,000, Deduct	*-83.33*	
		For >1,000, Deduct	*-96.03*	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	417.64	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-24.06*	
		For >100 To 500, Deduct	*-53.79*	
		For >500 To 1,000, Deduct	*-85.97*	
		For >1,000, Deduct	*-98.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	432.30	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-24.79*	
		For >100 To 500, Deduct	*-55.63*	
		For >500 To 1,000, Deduct	*-88.61*	
		For >1,000, Deduct	*-101.31*	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	446.98	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-25.52*	
		For >100 To 500, Deduct	*-57.46*	
		For >500 To 1,000, Deduct	*-91.25*	
		For >1,000, Deduct	*-103.96*	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	461.69	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-26.26*	
		For >100 To 500, Deduct	*-59.30*	
		For >500 To 1,000, Deduct	*-93.90*	
		For >1,000, Deduct	*-106.60*	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	476.38	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-26.99*	
		For >100 To 500, Deduct	*-61.14*	
		For >500 To 1,000, Deduct	*-96.55*	
		For >1,000, Deduct	*-109.25*	
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	520.47	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-29.20*	
		For >100 To 500, Deduct	*-66.65*	
		For >500 To 1,000, Deduct	*-104.48*	
		For >1,000, Deduct	*-117.18*	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	535.17	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-29.93*	
		For >100 To 500, Deduct	*-68.48*	
		For >500 To 1,000, Deduct	*-107.13*	
		For >1,000, Deduct	*-119.83*	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	541.03	20.96
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-30.23*	
		For >100 To 500, Deduct	*-69.22*	
		For >500 To 1,000, Deduct	*-108.18*	
		For >1,000, Deduct	*-120.88*	
21 13 16 00-0073		Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*		
21 13 16 00-0074	EA	23" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.20	20.96
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-81.70*	
		For >100 To 500, Deduct	*-197.37*	
		For >500 To 1,000, Deduct	*-293.43*	
		For >1,000, Deduct	*-307.20*	
21 13 16 00-0075	EA	30" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.20	20.96
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-81.70*	
		For >100 To 500, Deduct	*-197.37*	
		For >500 To 1,000, Deduct	*-293.43*	
		For >1,000, Deduct	*-307.20*	
21 13 16 00-0076	EA	36" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.20	20.96
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-81.70*	
		For >100 To 500, Deduct	*-197.37*	
		For >500 To 1,000, Deduct	*-293.43*	
		For >1,000, Deduct	*-307.20*	
21 13 16 00-0077	EA	36" Length, 1-1/4" Diameter ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,565.20	20.96
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-81.70*	
		For >100 To 500, Deduct	*-197.37*	
		For >500 To 1,000, Deduct	*-293.43*	
		For >1,000, Deduct	*-307.20*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0001		Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*		
		Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1599 for individual grooved pipe, 23 21 13 23-1672 for individual grooved pipe fittings.		
21 13 19 00-0002		Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*		
21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly	645.81	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*295.02*	
		For >5 To 10, Add	*184.20*	
		For >10 To 20, Add	*119.62*	
		For >20 To 40, Add	*50.64*	
		For >100 To 150, Deduct	*-64.58*	
		For >150, Deduct	*-129.16*	
21 13 19 00-0004		Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly	601.21	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*274.68*	
		For >5 To 10, Add	*171.53*	
		For >10 To 20, Add	*111.41*	
		For >20 To 40, Add	*47.16*	
		For >100 To 150, Deduct	*-60.12*	
		For >150, Deduct	*-120.24*	
21 13 26		**Deluge Fire-Suppression Sprinkler Systems** *(21 13)*		
21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*		
21 13 26 00-0002		Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*		
21 13 26 00-0003	EA	3" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	8,715.71	588.15
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*753.95*	
21 13 26 00-0004	EA	4" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,798.45	661.61
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*947.52*	
21 13 26 00-0005	EA	6" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	12,762.34	962.37
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*1,083.76*	
21 13 26 00-0006	EA	8" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	21,768.96	1,156.50
		For Accelerator and Trim, Add	*1,382.39*	
		For Priming Chamber, Add	*222.56*	
		For Dry-Pilot Activation, Add	*1,945.60*	
21 13 39		**Foam-Water Systems** *(21 13)*		
21 13 39 00-0001		Foam Control Valves And Monitors *(21 13 39)*		
21 13 39 00-0002		Control Valves *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Diameter, Foam Control Valve	5,467.69	588.15
21 13 39 00-0004		Supply Valves *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Diameter, Foam Supply Valve	4,661.05	661.61
21 13 39 00-0006		Proportioners *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	3,607.80	962.37
21 13 39 00-0008		Monitors *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	6,656.38	132.32
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0390 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0870 for flanged black steel pipe fittings, 23 21 13 23-1599 for grooved pipe, 23 21 13 23-1672 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0001		**Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41)* Note: SDR 13.5		
21 13 41 00-0002		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe** *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.76	1.69
		For Work In Restricted Working Space, Add	*1.27*	
21 13 41 00-0004	LF	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.91	1.80
		For Work In Restricted Working Space, Add	*1.37*	
21 13 41 00-0005	LF	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.67	2.02
		For Work In Restricted Working Space, Add	*1.49*	
21 13 41 00-0006	LF	1-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.61	2.23
		For Work In Restricted Working Space, Add	*1.65*	
21 13 41 00-0007	LF	2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.63	2.44
		For Work In Restricted Working Space, Add	*1.84*	
21 13 41 00-0008	LF	2-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	18.66	2.75
		For Work In Restricted Working Space, Add	*2.10*	
21 13 41 00-0009	LF	3" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	26.04	3.29
		For Work In Restricted Working Space, Add	*2.48*	
21 13 41 00-0010		**Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	27.39	10.16
		For Work In Restricted Working Space, Add	*7.62*	
21 13 41 00-0012	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	36.19	12.70
		For Work In Restricted Working Space, Add	*9.56*	
21 13 41 00-0013	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	45.29	15.88
		For Work In Restricted Working Space, Add	*11.94*	
21 13 41 00-0014	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	51.79	17.57
		For Work In Restricted Working Space, Add	*13.21*	
21 13 41 00-0015	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	58.78	19.69
		For Work In Restricted Working Space, Add	*14.74*	
21 13 41 00-0016	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	74.44	22.34
		For Work In Restricted Working Space, Add	*16.77*	
21 13 41 00-0017	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	91.28	26.47
		For Work In Restricted Working Space, Add	*19.82*	
21 13 41 00-0018		**Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	28.10	10.16
		For Work In Restricted Working Space, Add	*7.62*	
21 13 41 00-0020	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	35.06	12.70
		For Work In Restricted Working Space, Add	*9.56*	
21 13 41 00-0021	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	44.44	15.88
		For Work In Restricted Working Space, Add	*11.94*	
21 13 41 00-0022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	50.43	17.57
		For Work In Restricted Working Space, Add	*13.21*	
21 13 41 00-0023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	57.08	19.69
		For Work In Restricted Working Space, Add	*14.74*	
21 13 41 00-0024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	70.17	22.34
		For Work In Restricted Working Space, Add	*16.77*	
21 13 41 00-0025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	86.59	26.47
		For Work In Restricted Working Space, Add	*19.82*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	40.81	15.24
		For Work In Restricted Working Space, Add	*11.43*	
21 13 41 00-0028	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	53.18	19.16
		For Work In Restricted Working Space, Add	*14.36*	
21 13 41 00-0029	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	67.72	23.92
		For Work In Restricted Working Space, Add	*17.91*	
21 13 41 00-0030	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	77.85	26.47
		For Work In Restricted Working Space, Add	*19.82*	
21 13 41 00-0031	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	91.16	29.43
		For Work In Restricted Working Space, Add	*22.10*	
21 13 41 00-0032	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	112.25	33.56
		For Work In Restricted Working Space, Add	*25.15*	
21 13 41 00-0033	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	132.62	39.59
		For Work In Restricted Working Space, Add	*29.73*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	49.10	17.89
		For Work In Restricted Working Space, Add	*13.37*	
21 13 41 00-0036	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	64.00	22.34
		For Work In Restricted Working Space, Add	*16.70*	
21 13 41 00-0037	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	71.69	24.67
		For Work In Restricted Working Space, Add	*18.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0038	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	84.87	27.53
		For Work In Restricted Working Space, Add	*20.64*	
21 13 41 00-0039	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	100.32	31.34
		For Work In Restricted Working Space, Add	*23.47*	
21 13 41 00-0040	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	118.03	36.94
		For Work In Restricted Working Space, Add	*27.76*	
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	55.08	20.32
		For Work In Restricted Working Space, Add	*15.24*	
21 13 41 00-0043	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	69.05	25.51
		For Work In Restricted Working Space, Add	*19.12*	
21 13 41 00-0044	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	86.98	31.86
		For Work In Restricted Working Space, Add	*23.88*	
21 13 41 00-0045	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	98.16	35.25
		For Work In Restricted Working Space, Add	*26.42*	
21 13 41 00-0046	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	114.86	39.27
		For Work In Restricted Working Space, Add	*29.47*	
21 13 41 00-0047	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	148.01	44.67
		For Work In Restricted Working Space, Add	*33.54*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	18.84	6.77
		For Work In Restricted Working Space, Add	*5.08*	
21 13 41 00-0050	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	25.24	9.10
		For Work In Restricted Working Space, Add	*6.83*	
21 13 41 00-0051	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	33.49	11.96
		For Work In Restricted Working Space, Add	*8.96*	
21 13 41 00-0052	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	38.21	13.23
		For Work In Restricted Working Space, Add	*9.91*	
21 13 41 00-0053	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	43.86	14.72
		For Work In Restricted Working Space, Add	*11.05*	
21 13 41 00-0054	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	52.66	16.72
		For Work In Restricted Working Space, Add	*12.58*	
21 13 41 00-0055	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	63.55	19.80
		For Work In Restricted Working Space, Add	*14.86*	
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	9.62	3.39
		For Work In Restricted Working Space, Add	*2.54*	
21 13 41 00-0058	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	15.29	5.50
		For Work In Restricted Working Space, Add	*4.10*	
21 13 41 00-0059	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	17.56	5.93
		For Work In Restricted Working Space, Add	*4.48*	
21 13 41 00-0060	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	20.14	6.56
		For Work In Restricted Working Space, Add	*4.95*	
21 13 41 00-0061	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	23.90	7.41
		For Work In Restricted Working Space, Add	*5.53*	
21 13 41 00-0062	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	28.85	8.37
		For Work In Restricted Working Space, Add	*6.29*	
21 13 41 00-0063	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	37.57	9.95
		For Work In Restricted Working Space, Add	*7.43*	
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	26.58	10.06
		For Work In Restricted Working Space, Add	*7.53*	
21 13 41 00-0066	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.24	13.12
		For Work In Restricted Working Space, Add	*9.85*	
21 13 41 00-0067	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	38.94	14.50
		For Work In Restricted Working Space, Add	*10.89*	
21 13 41 00-0068	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	44.38	16.20
		For Work In Restricted Working Space, Add	*12.16*	
21 13 41 00-0069	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	52.76	18.42
		For Work In Restricted Working Space, Add	*13.85*	
21 13 41 00-0070	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	64.47	21.80
		For Work In Restricted Working Space, Add	*16.36*	
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	23.60	7.41
		For Work In Restricted Working Space, Add	*5.59*	
21 13 41 00-0073	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	30.35	10.06
		For Work In Restricted Working Space, Add	*7.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	23.60	7.41
		For Work In Restricted Working Space, Add	*5.59*	
21 13 41 00-0076	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	30.35	10.06
		For Work In Restricted Working Space, Add	*7.53*	
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	27.49	9.10
		For Work In Restricted Working Space, Add	*6.86*	
21 13 41 00-0079	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	35.16	11.43
		For Work In Restricted Working Space, Add	*8.61*	
21 13 41 00-0080	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	36.58	11.43
		For Work In Restricted Working Space, Add	*8.61*	
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	45.13	15.24
		For Work In Restricted Working Space, Add	*11.43*	
21 13 41 00-0083	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	55.45	19.16
		For Work In Restricted Working Space, Add	*14.36*	
21 13 41 00-0084	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	72.35	23.92
		For Work In Restricted Working Space, Add	*17.91*	
21 13 41 00-0085	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	82.75	26.47
		For Work In Restricted Working Space, Add	*19.82*	
21 13 41 00-0086	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	97.12	29.43
		For Work In Restricted Working Space, Add	*22.10*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001		Carbon Dioxide Cylinders *(21 21 16)*		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	2,628.74	263.22
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	5,257.48	526.44
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	345.74	119.77
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	168.10	48.10
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	42.64	19.50

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001		Ansul Fire Control Systems *(21 22 16)*		
21 22 16 00-0002		Sapphire® Fire Suppression Systems *(21 22 16 00-0001)* Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.		
21 22 16 00-0003		Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*		
21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,794.08	89.74
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	2,045.80	89.74
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	2,078.90	89.74
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	2,951.06	119.65
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	3,117.46	119.65
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,331.88	149.56
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,534.77	149.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	5,332.67	179.47
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	44.96	179.47
21 22 16 00-0013		**Nozzles, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	171.63	14.96
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	175.91	14.96
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	186.66	14.96
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	194.18	14.96
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	204.91	14.96
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	237.10	14.96
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	171.63	14.96
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	175.91	14.96
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	186.66	14.96
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	194.18	14.96
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	204.91	14.96
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	237.10	14.96
21 22 16 00-0026		**Actuation Attachments, Sapphire® Fire Suppression System** *(21 22 16 00-0002)*		
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	15.60	4.49
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	17.44	4.49
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	23.96	10.47
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	55.96	13.40
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	82.61	13.40
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	99.60	13.40
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	49.82	13.40
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	347.72	119.65
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	334.05	89.74
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	747.08	119.65
21 22 16 00-0037		**Nameplates, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	55.68	14.96
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	60.53	14.96
21 22 16 00-0040		**Cylinder Bracketing, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	171.33	44.86
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	180.99	44.86
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	193.34	44.86
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	458.47	47.62
21 22 16 00-0046	EA	2" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	644.59	81.71
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	144.63	29.92
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	539.70	29.92
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	454.88	29.92
21 22 16 00-0051	EA	3" Diameter, Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,987.02	119.65
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	52.04	20.94
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	92.18	20.94
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	255.36	14.96
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	330.21	14.96
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	191.04	59.82
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	190.89	25.12
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	588.34	104.69
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	683.84	20.94
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	716.06	20.94
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	767.28	29.92
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	53.07	17.95
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	66.45	20.94
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	222.62	89.74
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	259.45	89.74
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	290.04	89.74
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	388.81	89.74
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	63.30	23.93
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	103.45	14.96
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	139.81	29.92
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	370.27	119.65
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	558.13	119.65
21 22 16 00-0078	EA	1" Diameter, Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,875.36	119.65
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	202.07	29.64
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	234.88	31.85
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	420.22	57.65
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	845.62	131.29
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Diameter, Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	2,029.97	173.28
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Diameter, Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	60.04	9.09
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	705.75	97.36
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,197.05	304.63
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	2,094.68	310.34
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)* Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,832.96	278.80
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,079.27	315.87
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,973.83	409.33
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,977.69	500.20
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,151.62	352.20
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	3,046.73	445.80
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,147.42	537.50
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	69.18	10.14
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	69.18	10.14
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	83.40	11.26
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,318.13	193.47
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	22.19	2.96
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	31.49	4.23
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	24.47	3.31
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	22.62	3.31
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	98.35	14.28
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	103.20	14.95
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	119.89	17.27
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	133.65	19.50
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	153.31	22.42
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	150.63	22.10
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	156.26	22.75
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	144.14	21.06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	147.67	22.75
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	171.36	25.02
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	183.20	26.65
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	197.23	28.59
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	339.51	50.04
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	448.89	65.64
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	489.35	72.15
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	175.42	25.98
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	206.91	30.42
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	170.27	25.02
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	181.88	26.52
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	183.48	26.65
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	221.48	32.37
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	238.71	35.09
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	366.44	53.86
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	427.86	63.05
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	468.83	68.89
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	197.23	28.59
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	241.98	35.62
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	260.28	38.35
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	366.44	53.86
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	400.40	59.01
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	470.43	68.89
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	546.96	80.78
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	646.67	95.54
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	824.65	188.49
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,061.32	220.98
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,359.58	370.46
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	804.25	188.49
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	890.25	131.65
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,359.58	370.46
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	821.42	188.49
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	925.28	136.81
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,333.81	370.46
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	926.68	143.64
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,519.13	222.84
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,161.50	296.94
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,290.99	302.05
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	107.23	15.36
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	128.27	20.34
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,227.02	158.98
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	134.07	15.09
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	140.53	15.89
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	147.51	16.16
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	158.26	16.71
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	164.74	18.32
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	165.59	19.81
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	363.74	53.08
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	366.98	53.62
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	470.43	68.71
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	171.36	25.02
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	236.10	57.20
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	444.97	36.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	375.60	55.22
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	764.89	370.46
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	235.49	34.54
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	276.43	40.30
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	759.47	370.46
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	245.18	36.17
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	287.23	42.16
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	786.30	370.46
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	47.78	2.74
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	48.32	3.02
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	52.06	3.57
21 22 16 00-0191		Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	30.02	4.39
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	246.73	33.42
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	184.49	33.42
21 22 16 00-0195		Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0001)*		
21 22 16 00-0196		Accessory Switches, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	193.47	28.84
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	219.90	32.87
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	279.70	41.77
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	301.26	45.00
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	377.25	56.59
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	401.51	60.09
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	769.63	115.87
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	61.93	8.63
21 22 16 00-0205		Alarm Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	167.62	25.06
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	245.76	36.65
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	22.42	3.34
21 22 16 00-0209		Annunciators, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,931.31	290.74
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,618.99	243.58
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,256.81	189.15
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,094.61	164.63
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,094.61	164.63
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	876.87	131.76
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,618.99	243.58
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	329.28	49.31
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	412.82	61.97
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	827.82	124.48
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	139.86	20.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	190.24	28.84
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	329.30	49.31
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	256.04	40.15
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	15.85	2.75
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	109.81	3.34
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	17.16	3.34
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	569.23	90.00
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	341.22	53.62
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	251.13	34.49
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	525.25	73.02
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	592.78	82.72
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	774.19	100.77
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,249.12	174.87
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	187.01	27.75
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	334.14	50.11
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	679.61	102.12
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,975.78	297.47
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,444.91	217.44
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	152.25	23.04
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	142.32	22.91
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	193.05	32.87
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	286.18	42.85
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	222.61	34.75
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	209.17	33.42
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	33.32	5.33
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	122.89	18.86
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	122.87	18.32
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	44.34	15.09
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	11.30	1.67
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	118.28	17.65
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	69.30	10.40
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	187.52	27.49
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	98.08	14.55
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	28.21	3.91
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	17.47	2.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	245.76	36.65
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	738.74	105.36
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,410.97	212.33
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	37.62	5.50
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	191.09	25.87
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	405.67	38.99
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,063.11	150.89
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,063.11	150.89
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,597.30	226.34
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,597.30	226.34
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,331.26	288.31
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	34.28	4.85
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	51.58	4.85
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	74.97	9.16
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	116.55	10.24
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	146.96	20.48
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	271.61	25.87
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	8,035.35	1,266.41
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	10,249.52	1,562.80
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	9,268.64	1,428.08
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	12,882.77	1,886.15
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,563.82	1,993.93
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	13,024.85	1,913.09
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	13,755.87	2,020.87
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	14,150.13	2,101.71
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	14,764.97	2,209.49
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	15,519.03	2,317.26
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	16,182.18	2,425.05
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	15,204.42	2,209.49
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,439.61	296.39
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,451.43	296.39
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,209.43	269.45
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,223.16	269.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,747.42	323.34
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,335.07	280.23
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,556.51	314.72
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	6,143.09	889.19
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	5,058.08	711.35
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,789.41	269.45
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,287.11	175.14
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,792.80	236.03
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,561.07	291.01
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	338.12	43.65
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,259.65	269.45
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,615.82	223.64
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,268.85	172.45
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,618.39	223.64
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,615.82	223.64
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,597.06	210.17
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	190.08	18.86
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,717.60	1,034.69
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	13,448.44	1,810.70
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,050.50	134.73
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	23.88	2.70
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.42	0.54
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	578.96	78.14
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	701.42	94.84
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	1,012.59	137.42
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	149.22	20.48
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	23.38	4.31
21 22 16 00-0328		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	21.20	3.23
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	22.29	3.77
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	34.28	4.85
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	34.33	4.85
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	124.50	18.32
21 22 16 00-0334		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	307.05	38.80
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	413.65	51.73
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	423.45	56.59
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	1,026.16	80.83
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,514.27	177.84
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4" Diameter, Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.82	1.69
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.80	3.39
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	26.71	10.16
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	27.68	10.16
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	19.14	6.77
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	31.05	10.16
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	41.14	15.24
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	51.79	17.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.65	1.95
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	22.42	5.93
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	27.15	4.31
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	38.92	5.93
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,771.38	206.94
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,807.65	238.20
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,094.25	145.50
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,250.19	164.36
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,771.38	206.94
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	2,136.72	238.20
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	606.55	73.29
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	912.44	112.09
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,720.04	231.73
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,523.29	339.51
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	136.26	18.86
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	101.92	14.01
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,301.05	497.14
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	100.69	11.42
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	99.71	14.82
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	59.40	8.89
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	24.27	3.61
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	112.60	15.63
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	158.76	22.09
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,239.55	173.53
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	36.03	5.01
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	16.16	2.23
21 22 16 00-0381		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0382		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	65.31	9.06
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	120.40	17.51
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	120.40	17.51
21 22 16 00-0386		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,840.77	129.99
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,506.06	148.84
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,535.93	175.48
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,662.60	207.98
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,541.01	259.98
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	845.49	259.98
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	294.93	86.44
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	360.57	64.99
21 22 16 00-0395	LB	FM200 Gas	29.88	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,268.26	69.93
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	899.77	97.75
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	896.62	104.77
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	223.31	37.05
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	261.51	69.93
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,161.84	104.77
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	874.41	276.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,564.78	519.17
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,396.07	1,039.51
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	366.56	104.77
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,696.84	393.47
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	397.85	104.77
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	363.54	104.77
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,671.90	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	251.38	48.74

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*

Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,161.52	107.68
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,331.84	134.12
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,631.69	165.47
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,926.55	196.34
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	65.21	5.63
21 23 16 00-0008	EA	System Valve Actuator	233.67	22.38
21 23 16 00-0009	EA	Vent Plug	43.74	4.55
21 23 16 00-0010	EA	Gauge Shield	100.52	11.97
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	120.31	11.97
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	127.54	12.68
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	242.48	23.93
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	237.37	27.16
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	297.34	27.22
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	40.42	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	42.61	

21 23 16 00-0018 Nozzles And Accessories *(21 23 16 00-0001)*

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	107.84	11.01
21 23 16 00-0020	EA	LPF Or DM Nozzle	117.47	11.01
21 23 16 00-0021	EA	LPR Nozzle	137.32	11.01
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	81.03	7.78
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	12.75	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.87	0.71
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	39.40	10.95

21 23 16 00-0026 Control Systems *(21 23 16 00-0001)*

21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,261.80	71.79
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	107.09	11.97
21 23 16 00-0029	EA	24" High Pressure Hose	126.78	11.97
21 23 16 00-0030	EA	60" High Pressure Hose	170.55	11.97
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	247.00	23.93
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	81.58	11.24
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	88.15	11.24
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	35.46	8.97
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	709.82	46.36
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	113.03	11.24
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	204.74	19.51
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	627.99	62.58

21 23 16 00-0039 Mechanical Actuation Components *(21 23 16 00-0001)*

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	68.65	17.95
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	92.79	17.95
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	251.51	11.97
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	192.43	11.97
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	31.50	3.23
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	442.13	19.74
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	52.84	5.26
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	101.69	5.98
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	3.00	1.20
21 23 16 00-0049	EA	Cable Clamp	14.33	0.59
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	2.00	0.48
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.92	0.48
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	112.76	11.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0053		**Mechanical Detection Links** *(21 23 16 00-0001)*		
21 23 16 00-0054	EA	KGS Standard Response Link	23.15	5.98
21 23 16 00-0055	EA	KGS Rapid Response Link	34.32	5.98
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	29.31	5.98
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	27.29	5.98
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	40.42	5.98
21 23 16 00-0059		**Gas Valves** *(21 23 16 00-0001)*		
21 23 16 00-0060	EA	3/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	516.04	25.84
21 23 16 00-0061	EA	1" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	560.82	31.83
21 23 16 00-0062	EA	1-1/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	643.15	40.20
21 23 16 00-0063	EA	1-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	705.25	46.30
21 23 16 00-0064	EA	2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	760.61	54.68
21 23 16 00-0065	EA	2-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,263.89	79.92
21 23 16 00-0066	EA	3" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,410.53	92.48
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	586.24	29.19
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	66.09	
21 23 16 00-0069	EA	1/2" Diameter, Electric Solenoid Gas Shut-off Valve	539.41	24.05
21 23 16 00-0070	EA	3/4" Diameter, Electric Solenoid Gas Shut-off Valve	543.02	25.84
21 23 16 00-0071	EA	1" Diameter, Electric Solenoid Gas Shut-off Valve	840.22	31.83
21 23 16 00-0072	EA	1-1/4" Diameter, Electric Solenoid Gas Shut-off Valve	887.87	40.20
21 23 16 00-0073	EA	1-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	1,019.34	46.30
21 23 16 00-0074	EA	2" Diameter, Electric Solenoid Gas Shut-off Valve	1,311.71	54.68
21 23 16 00-0075	EA	2-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	2,171.46	79.92
21 23 16 00-0076	EA	3" Diameter, Electric Solenoid Gas Shut-off Valve	2,730.45	92.48
21 23 16 00-0077	EA	Manual Reset Relay	712.61	120.24
21 23 16 00-0078		**Liquid Tight Sealing Adapters** *(21 23 16 00-0001)*		
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	58.21	5.02
21 23 16 00-0080	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe, Compression Seal Adapter	57.18	5.51
21 23 16 00-0081	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe, Compression Seal Adapter	67.08	6.58
21 23 16 00-0082	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe, Compression Seal Adapter	77.61	7.06
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	67.08	6.58
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	57.18	5.51
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	57.18	5.51
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	93.77	9.33
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	124.87	12.32
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	57.18	
21 23 16 00-0089		**Pressure Operated Releasing Systems** *(21 23 16 00-0001)*		
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	417.14	36.14
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	372.34	36.85
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	299.41	9.09
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	1,069.69	104.21
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	227.66	22.26
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	348.85	22.26
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	347.56	15.79
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	104.98	10.05
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	13.90	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	857.33	83.76
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,038.78	84.94
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,496.30	122.40
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,963.46	167.38
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	212.31	19.98
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,398.02	130.65
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	853.58	79.68
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	27.56	2.64
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	27.56	2.64
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	28.24	2.64
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	27.56	2.64
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	27.56	2.64
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	30.02	2.64
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	47.75	4.43
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	61.97	5.86
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	70.98	30.27
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	593.82	67.36
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0120	EA	3/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	502.50	25.84
21 23 16 00-0121	EA	1" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	571.85	31.83
21 23 16 00-0122	EA	1-1/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	615.99	40.20
21 23 16 00-0123	EA	1-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	677.18	46.18
21 23 16 00-0124	EA	2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	778.68	54.56
21 23 16 00-0125	EA	2-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,823.78	79.80
21 23 16 00-0126	EA	3" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,944.59	92.36
21 23 16 00-0127	EA	3/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	393.16	25.84
21 23 16 00-0128	EA	1" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	672.98	31.83
21 23 16 00-0129	EA	1-1/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	700.70	40.20
21 23 16 00-0130	EA	1-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	797.40	46.18
21 23 16 00-0131	EA	2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,106.62	54.56
21 23 16 00-0132	EA	2-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,146.23	79.80
21 23 16 00-0133	EA	3" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,261.61	92.36
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	98.90	8.86
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	140.75	11.24
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	550.55	11.24
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	36.47	3.47
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,194.91	112.34
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,522.54	143.70
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	781.10	73.58
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	942.50	88.66
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	861.79	81.12
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	899.41	84.83
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,171.63	110.31
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,343.98	126.83
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	109.16	10.29
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	27.48	1.67
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	28.25	2.15
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	87.54	8.25
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.09	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	95.21	8.97
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	190.69	17.83
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	403.56	37.81
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.92	0.36
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.11	0.36
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	4.74	0.48
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.79	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	90.43	8.62
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	94.41	8.97
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	11.07	1.08
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	129.96	11.73
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	18.20	1.67
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	25.32	2.40
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	11.07	1.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	15.59	1.44
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	15.24	1.44
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.36	0.36
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	7.38	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	141.03	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	963.63	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,249.58	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,442.48	
21 23 16 00-0181		Accessories, Kitchen Fire Suppression Systems *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	44.31	4.07
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	45.89	4.31
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	88.37	8.25
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	125.04	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	268.79	
21 23 16 00-0187		Pull Stations/Accessories, Kitchen Fire Suppression Systems *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	178.50	16.87
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	189.54	23.69
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	47.75	4.43
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	6.18	1.56
21 23 16 00-0192		Asco Gas Valve Control Panels *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,691.15	263.22
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,781.02	263.22
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	905.77	59.82
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	847.06	59.82

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		Amerex KP Restaurant Fire Suppression Systems *(21 24 16)*		
		Note: Amerex or equal.		
21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	719.34	92.85
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	1,004.81	117.07
21 24 16 00-0004	EA	Recharge 3.75 Gallon - KP Liquid Agent	238.65	
21 24 16 00-0005	EA	Recharge 6 Gallon - KP Liquid Agent	419.51	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	167.05	19.49
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	97.32	11.31
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	42.20	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	167.05	19.49
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	419.51	48.86
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	223.57	25.99
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	273.67	25.99
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	665.70	77.57
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	50.24	5.85
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	223.57	25.99
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	40.19	4.68
21 24 16 00-0017	EA	Detector	30.14	3.51
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	11.31	1.30
21 24 16 00-0019	EA	Test Link	3.51	
21 24 16 00-0020	EA	Corner Pulley	15.57	1.82
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	251.19	29.24
21 24 16 00-0022	EA	Pulley Tee	113.03	13.12
21 24 16 00-0023	EA	Manual Pull Station (Standard)	100.48	11.69
21 24 16 00-0024	EA	Manual Recess Standard Pull Station, Adapter Kit	47.13	5.45
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	112.03	12.99
21 24 16 00-0026	EA	Conduit Offset	22.35	2.60
21 24 16 00-0027	EA	3/8" Diameter Pipe Thread, Seal (Quick-Seal)	30.79	3.64
21 24 16 00-0028	EA	1/2" Diameter Pipe Thread, Seal (Quick-Seal	25.12	2.99
21 24 16 00-0029	EA	3/8" Diameter Pipe Compression Seal	41.95	4.94
21 24 16 00-0030	EA	1/2" Diameter Pipe Compression Seal	41.95	4.94
21 24 16 00-0031	EA	Standard Cap, Nozzle Blow-Off	11.55	3.38
21 24 16 00-0032	EA	High Temperature Cap, Nozzle Blow-Off	27.93	3.38
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	50.24	5.85
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	50.24	5.85
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	50.24	5.85
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	50.24	5.85
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	50.24	5.85
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	72.25	8.44
21 24 16 00-0039	EA	3/4" Or 1" Diameter, Mechanical Gas Valve	402.22	34.43
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Diameter, Mechanical Gas Valve	471.95	50.02
21 24 16 00-0041	EA	2" Diameter, Mechanical Gas Valve	588.41	59.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	633.01	73.68
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	33.31	3.89
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	53.76	6.24
21 24 16 00-0045	EA	Gas Valve Trip Assembly	113.04	13.12
21 24 16 00-0046		Range Guard Fire Suppression Systems *(21 24 16)*		
		Note: Range Guard or equal.		
21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	763.36	100.38
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	952.89	125.27
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,176.39	154.70
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,397.31	183.66
21 24 16 00-0051	EA	Vent Plug	32.06	4.19
21 24 16 00-0052	EA	Discharge Adapter Kit	41.30	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	84.96	11.12
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	89.93	11.85
21 24 16 00-0055	EA	4 Gallon Wall Bracket	169.82	22.38
21 24 16 00-0056	EA	6 Gallon Wall Bracket	188.22	24.77
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	664.01	87.34
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	692.77	91.05
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	794.73	104.45
21 24 16 00-0060	EA	Tandem Control Head	603.89	79.45
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	1,022.16	134.37
21 24 16 00-0062	EA	Mechanical Control Box	454.87	59.82
21 24 16 00-0063	EA	Tandem Control Box	454.87	59.82
21 24 16 00-0064	EA	Mechanical Control Box Adapter	133.32	17.58
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	400.67	52.64
21 24 16 00-0066	EA	Pressure Operated Actuator	164.69	21.65
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	266.65	35.06
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	271.89	35.77
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	66.66	8.74
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	769.41	101.10
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	164.69	21.65
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	164.69	21.65
21 24 16 00-0073	EA	Check Valve	137.07	25.73
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	74.51	9.81
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	32.42	4.26
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	8.52	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	169.92	22.38
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	77.90	10.29
21 24 16 00-0079	EA	Nozzles; DM And LPF	86.79	11.36
21 24 16 00-0080	EA	Swivel Adapter	54.89	7.18
21 24 16 00-0081	EA	Corner Pulley	23.53	3.11
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	1.01	0.36
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.24	0.36
21 24 16 00-0084	EA	"S" Hook	0.98	0.24
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	81.01	10.65
21 24 16 00-0086	EA	Cable Clamp	7.22	0.96
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.99	0.24
21 24 16 00-0088	EA	3/8" Cable Anchor	85.62	11.24
21 24 16 00-0089	EA	1/2" Cable Anchor	85.62	11.24
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	138.49	18.19
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	147.80	19.39
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	173.15	22.73
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	54.25	7.18
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	227.33	29.79
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	173.15	22.73
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	206.42	27.16
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	37.10	4.90
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	41.19	5.39
21 24 16 00-0099	EA	Fusible Link 165F To 360F	13.48	1.79
21 24 16 00-0100	EA	Fusible Link 500F	21.48	1.79
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	41.19	5.39
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	30.11	5.39
21 24 16 00-0103	EA	Quartzoid Link 400 F	222.10	29.19
21 24 16 00-0104	EA	Quartzoid Link 500 F	222.10	29.19
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	79.60	10.41
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	138.49	18.19
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	82.31	10.77
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	142.64	18.78
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	104.52	13.76
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	150.77	19.74
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	441.59	58.03
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	198.58	26.08
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	198.58	26.08
21 24 16 00-0114	EA	Electric Manual Pull Station	145.02	19.02
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	81.00	10.65
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	114.97	15.08
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	9.31	1.20
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	41.19	5.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	41.19	5.39
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	151.55	19.86
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	167.23	22.01
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	4.28	1.56
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	20.91	2.75
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	224.70	29.55
21 24 16 00-0125	EA	Suppression Abort Station	237.78	31.22
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	276.97	36.38
21 24 16 00-0127	EA	Surface Mount Back Box	91.45	11.97
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,698.39	222.90
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,698.39	222.90
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	141.09	18.54
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.41	0.84
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,227.99	
21 24 16 00-0133	EA	Extra Scorpio Key	20.91	
21 24 16 00-0134	EA	Extra Scorpio Manual	13.06	
21 24 16 00-0135	EA	3/8" Diameter Pipe Compression Seal Adapter	35.54	4.67
21 24 16 00-0136	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe Compression Seal Adapter	38.57	5.02
21 24 16 00-0137	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe Compression Seal Adapter	46.41	6.10
21 24 16 00-0138	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe Compression Seal Adapter	49.64	6.46
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	38.57	5.02
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	38.57	5.02
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	66.00	8.74
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	87.53	11.48
21 24 16 00-0143	EA	Up To 1-1/8" Diameter Quik Patch	38.57	5.02
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	85.87	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	147.62	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	223.13	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	326.50	
21 24 16 00-0148	EA	Inlet Flushing Adapter	64.01	8.37
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	64.01	8.37
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	64.01	8.37
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	64.01	8.37
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	64.01	8.37
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	88.83	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	7.08	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	8.52	
21 24 16 00-0156	EA	Inspection Label, Authorized Installers Only	5.92	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	4.19	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,123.49	147.52
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,311.63	172.17
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,633.03	214.41
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,633.03	214.41
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	2,053.68	269.56
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	973.27	127.78
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	914.48	120.00
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	739.42	97.03
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,280.26	168.11
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,173.13	153.98

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	22,705.55	2,104.53
		For Duplex Pumping System, Add	*20,601.03*	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	26,155.43	2,367.59
		For Duplex Pumping System, Add	*23,963.22*	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	34,961.59	2,630.66
		For Duplex Pumping System, Add	*32,525.80*	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	43,005.52	2,917.77
		For Duplex Pumping System, Add	*40,087.76*	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	47,916.78	3,183.01
		For Duplex Pumping System, Add	*44,733.77*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	81,951.96	2,387.26
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	92,714.16	2,652.51
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	97,393.20	2,917.77
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	110,855.58	3,183.01
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	117,606.70	3,713.51
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	126,453.20	4,774.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	137,238.97	5,305.03
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	156,932.57	6,047.73
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	188,096.36	6,525.18
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	220,729.30	7,427.04
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	262,137.98	7,957.54
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	295,270.04	8,488.04

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Excludes controller

21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,777.72	274.02
21 34 13 00-0003	EA	2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,895.61	299.65
21 34 13 00-0004	EA	3 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,572.36	331.19
21 34 13 00-0005	EA	5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,915.43	394.28
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	5,786.37	484.96

21 34 13 00-0007 Jockey Pump Controllers *(21 34 13)*

21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	735.25	78.85
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller	1,141.83	78.85

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	48.37
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	50.34
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	55.34
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	59.04
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	63.95
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	81.52
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	103.63
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	120.32
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	137.89
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	76.45
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	80.58
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	89.19
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	98.02
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	108.06
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	139.55
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	169.25
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	192.68
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	218.48
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	108.71
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	113.09
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	124.96
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	137.06
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	154.76
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	189.19
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	222.07
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	267.53
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	329.62
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	338.04
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	362.34

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.43
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	61.45
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	44.05
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.99
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	69.86
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	52.79
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	60.87
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	84.72
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	68.26	
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	70.45	
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	92.45	
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	75.76	
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	79.36	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	84.62	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	87.93	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	111.83	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.09	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	99.79	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	103.37	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	114.75	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	135.18	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	148.30	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	156.55	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.07	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	166.70	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	168.18	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	190.97	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.24	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.70	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	193.45	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	193.25	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.17	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	192.10	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	191.48	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	174.45	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	50.36	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	54.57	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	64.43	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	84.92	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	127.47	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	191.41	
22 01 10 61-0074		Repair And Tape Pipe Insulation Seam *(22 01 10 61)*		
22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.35	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	67.18
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	24.32
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	32.60
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	45.59
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	70.80
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	45.63
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	52.65
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	65.18
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	48.33
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	127.49
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	35.01
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.74
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	19.69
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.74
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	10.33
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	29.97
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	49.97
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	42.36
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	35.89
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	40.49
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	30.34
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	22.59
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	42.90
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	10.79
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	169.86
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	213.92
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	229.79
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	245.11
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	219.26
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	26.63
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	19.65
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	21.21
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	78.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	80.16	
22 01 40 81-0036	EA	Removal And Replacement Of Open Front Elongated Toilet Seat (American Standard 5901.100)	59.99	
22 01 40 81-0037	EA	Removal And Replacement Of Open Front Elongated Toilet Seat With Self-Sustaining Hinge (American Standard 5901.100SS)	64.30	
22 01 40 81-0038	EA	Removal And Replacement Of Open Front Elongated Toilet Seat With EverClean® Surface (American Standard 5901.110)	67.05	
22 01 40 81-0039	EA	Removal And Replacement Of Open Front Elongated Heavy-Duty Toilet Seat (American Standard 5905.100)	67.69	
22 01 40 81-0040	EA	Removal And Replacement Of Open Front Elongated Heavy-Duty Toilet Seat With Self-Sustaining Hinge (American Standard 5905.100SS)	70.88	
22 01 40 81-0041	EA	Removal And Replacement Of Open Front Elongated Heavy-Duty Toilet Seat With EverClean® Surface (American Standard 5905.110)	74.71	
22 01 40 81-0042	EA	Removal And Replacement Of Open Front Elongated Extra Heavy-Duty Toilet Seat (American Standard 5910.100)	75.98	
22 01 40 81-0043	EA	Removal And Replacement Of Open Front Elongated Extra Heavy-Duty Toilet Seat With EverClean® Surface (American Standard 5910.110)	83.64	
22 01 40 81-0044	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	335.60	
22 01 40 81-0045	EA	Removal And Replacement Of Diverter Tub Spout	80.99	
22 01 40 81-0046	EA	Removal And Replacement Of Tub Spout	54.60	
22 01 40 81-0047	EA	Removal And Replacement Of 2" Tub Stopper	12.06	
22 01 40 81-0048	EA	Removal And Replacement Of Tub Waste/Overflow	82.99	
22 01 40 81-0049	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	42.77	
22 01 40 81-0050	EA	Removal And Replacement Of Faucet Bonnet	47.10	
22 01 40 81-0051	EA	Removal And Replacement Of Faucet Diverter Stem	29.58	
22 01 40 81-0052	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	39.22	
22 01 40 81-0053	EA	Removal And Replacement Of Faucet Spout	44.45	
22 01 40 81-0054	EA	Removal And Replacement Of Faucet Stem	32.72	
22 01 40 81-0055	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	296.15	
22 01 40 81-0056	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	376.99	
22 01 40 81-0057	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	221.83	
22 01 40 81-0058	EA	Removal And Replacement Of Sink Basket Strainer (Just Manufacturing Co. J-35-SSF)	69.83	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	101.48	12.99
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.35*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	103.46	12.99
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.95*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	105.93	12.99
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*12.58*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	125.28	14.30
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*16.95*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	152.66	16.24
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*20.52*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	224.22	17.29
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*25.99*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	249.50	20.01
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*29.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	299.30	23.65
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*35.44*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	685.04	31.95
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*47.86*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	804.19	37.09
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*55.22*	
22 05 23 00-0013		Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)		
22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	122.68	12.99
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*11.35*	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	124.48	12.99
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*11.95*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	145.11	12.99
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*12.58*	
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	164.47	14.30
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*16.95*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	197.37	16.24
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*20.52*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	285.37	17.29
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*25.99*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	326.42	20.01
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*29.99*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	418.15	23.65
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*35.44*	
22 05 23 00-0022		200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*		
		Note: 200 psi cold working pressure.		
22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	140.19	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	157.87	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	207.56	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	283.22	17.29
		For Work In Restricted Working Space, Add	*13.16*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	328.36	20.01
		For Work In Restricted Working Space, Add	*14.62*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	452.14	23.65
		For Work In Restricted Working Space, Add	*17.54*	
22 05 23 00-0029		Ball Valves *(22 05 23)*		
22 05 23 00-0030		Crimped Bronze, Ball Valves *(22 05 23 00-0029)*		
22 05 23 00-0031		Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)*		
		Note: NIBCO		
22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	96.25	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	124.61	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	159.99	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	258.85	17.29
		For Work In Restricted Working Space, Add	*13.16*	
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	342.28	20.01
		For Work In Restricted Working Space, Add	*14.62*	
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	516.14	23.65
		For Work In Restricted Working Space, Add	*17.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0038		Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	58.47	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	74.37	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	90.35	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	126.03	17.29
		For Work In Restricted Working Space, Add	*13.16*	
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	162.49	20.01
		For Work In Restricted Working Space, Add	*14.62*	
22 05 23 00-0044	EA	2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	240.18	23.65
		For Work In Restricted Working Space, Add	*17.54*	
22 05 23 00-0045		Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0046	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	67.16	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0047	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	80.69	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0048	EA	1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	100.46	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0049	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	157.62	17.29
		For Work In Restricted Working Space, Add	*13.16*	
22 05 23 00-0050	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	230.43	20.01
		For Work In Restricted Working Space, Add	*14.62*	
22 05 23 00-0051	EA	2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	319.18	23.65
		For Work In Restricted Working Space, Add	*17.54*	
22 05 23 00-0052		Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0053	EA	1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	64.79	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0054	EA	3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	78.48	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0055	EA	1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	95.40	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0056		Check Valves *(22 05 23)*		
22 05 23 00-0057		Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*		
		Note: NIBCO		
22 05 23 00-0058	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	184.10	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0059	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	234.39	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0060	EA	1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	324.09	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0061	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	432.17	17.29
		For Work In Restricted Working Space, Add	*13.16*	
22 05 23 00-0062	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	515.63	20.01
		For Work In Restricted Working Space, Add	*14.62*	
22 05 23 00-0063	EA	2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	738.04	23.65
		For Work In Restricted Working Space, Add	*17.54*	
22 05 23 00-0064		Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*		
22 05 23 00-0065	EA	1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	51.80	12.99
		For Work In Restricted Working Space, Add	*8.77*	
22 05 23 00-0066	EA	3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	62.16	14.30
		For Work In Restricted Working Space, Add	*9.99*	
22 05 23 00-0067	EA	1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	73.06	16.24
		For Work In Restricted Working Space, Add	*11.94*	
22 05 23 00-0068	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	91.97	17.29
		For Work In Restricted Working Space, Add	*13.16*	
22 05 23 00-0069	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	117.03	20.01
		For Work In Restricted Working Space, Add	*14.62*	
22 05 23 00-0070	EA	2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	182.78	23.65
		For Work In Restricted Working Space, Add	*17.54*	
22 05 23 00-0071		Butterfly Valves *(22 05 23)*		
22 05 23 00-0072		Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*		
22 05 23 00-0073	EA	2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,376.77	34.69
		For Work In Restricted Working Space, Add	*20.47*	
22 05 23 00-0074	EA	3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,490.44	40.29
		For Work In Restricted Working Space, Add	*24.37*	
22 05 23 00-0075	EA	4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,863.12	45.48
		For Work In Restricted Working Space, Add	*32.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0076		Earthquake-Sensitive Gas Shut-Off Valves *(22 05 23)*		
22 05 23 00-0077		0.5 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0076)*		
22 05 23 00-0078	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	200.36	14.30
22 05 23 00-0079	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	226.78	16.24
22 05 23 00-0080		7 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0076)*		
22 05 23 00-0081	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	264.82	17.29
22 05 23 00-0082	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	357.34	20.01
22 05 23 00-0083		60 PSI Threaded Earthquake Gas Shutoff Valves *(22 05 23 00-0076)*		
22 05 23 00-0084	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	247.88	14.30
22 05 23 00-0085	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	259.78	16.24
22 05 23 00-0086	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	291.21	17.29
22 05 23 00-0087	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	396.94	20.01
22 05 23 00-0088	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	910.07	23.65
22 05 23 00-0089	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,082.91	31.83
22 05 23 00-0090	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,404.98	37.09
22 05 23 00-0091	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,628.28	41.87
22 05 23 00-0092		60 PSI Flanged Earthquake Gas Shutoff Valves *(22 05 23 00-0076)*		
22 05 23 00-0093	EA	2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,272.49	173.22
22 05 23 00-0094	EA	3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,567.86	203.40
22 05 23 00-0095	EA	4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,209.17	340.99
22 05 23 00-0096	EA	6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,611.95	406.70
22 05 23 00-0097	EA	8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,752.85	519.67

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 33 Heat Tracing for Plumbing Piping *(22 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001		Cast Iron Cleanout With Plug And Cover *(22 05 76)*		
		Note: For floor installation.		
22 05 76 00-0002		Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*		
22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	873.43	69.13
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	939.00	86.67
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,173.85	104.73
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0006	EA	5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,698.17	117.20
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,097.28	126.95
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,010.87	69.13
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,078.62	86.67
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,313.47	104.73
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,837.80	117.20
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	2,236.90	126.95
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	116.34	21.70
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	125.01	25.99
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	160.33	29.24
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	274.44	32.49
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	415.46	35.74
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	592.17	21.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	853.52	22.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	912.01	24.04
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,020.15	27.29
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	602.66	21.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	868.97	22.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	928.54	24.04
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,038.62	27.29
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	584.54	21.70
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	809.41	22.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,148.66	24.04
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,390.80	27.29
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		Cast Iron Cleanout Tee *(22 05 76)*		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	627.13	69.13
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	713.05	86.54
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	934.83	104.73
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	2,290.50	126.95
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,116.04	69.13
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,201.95	86.54
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,391.29	104.73
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0046	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,950.87	126.95
		For Galvanized Cast Iron Parts, Add	*88.80*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug	513.78	56.52
22 05 76 00-0049	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug	575.13	61.73
22 05 76 00-0050	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug	767.00	81.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0051	EA	5" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,165.18	96.16
22 05 76 00-0052	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug	2,011.00	113.70

22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

22 05 76 00-0054 Threaded Bronze Plugs *(22 05 76 00-0053)*

22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug	86.52	16.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Diameter, Threaded Bronze Plug	103.84	17.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Diameter, Threaded Bronze Plug	178.76	19.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Diameter, Threaded Bronze Plug	199.98	22.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Diameter, Threaded Bronze Plug	226.09	25.99
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Diameter, Threaded Bronze Plug	318.38	29.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Diameter, Threaded Bronze Plug	469.49	32.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Diameter, Threaded Bronze Plug	794.50	35.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Diameter, Threaded Bronze Plug	1,144.13	38.98
		For Plug Tapped For Center Screw, Add	*9.50*	

22 05 76 00-0064 Threaded Brass Plugs *(22 05 76 00-0053)*

22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	35.95	16.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	36.56	16.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	39.84	17.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	45.05	19.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	53.18	22.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	62.41	25.99
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	67.01	27.37
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	71.98	29.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	93.10	32.48
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	35.48	16.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	36.15	16.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	41.15	17.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	45.24	19.49
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	52.62	22.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	61.52	25.99
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	71.50	29.24
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	85.25	32.49
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	387.28	30.74

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	9.84	3.01
		For Single Layer Of Felt Finish, Add	*0.18*	
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.02	3.01
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*2.44*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.65	3.14
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.02	3.28
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.31	3.28
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.98	3.42
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.83*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.52	3.55
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.88*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	13.18	3.69
		For Single Layer Of Felt Finish, Add	*0.34*	
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	14.91	3.96
		For Single Layer Of Felt Finish, Add	*0.44*	
		For Work In Restricted Working Space, Add	*3.22*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	17.58	4.65
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.76*	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.26	4.09
		For Single Layer Of Felt Finish, Add	*0.21*	
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.56	4.09
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.76	4.09
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.24	4.23
		For Single Layer Of Felt Finish, Add	*0.28*	
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.60	4.23
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*3.51*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.18	4.38
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.00	4.65
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.77	4.78
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.85*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	18.88	5.06
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*4.15*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	21.78	5.87
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.68*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	26.73	6.56
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*5.36*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	31.46	7.79
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*6.34*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	36.11	8.88
		For Single Layer Of Felt Finish, Add	*1.23*	
		For Work In Restricted Working Space, Add	*7.32*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	38.83	9.70
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*7.58*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	15.83	4.22
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*3.51*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.02	4.22
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.92	4.47
		For Single Layer Of Felt Finish, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.72*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.49	4.57
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*3.79*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.99	4.65
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.17	4.89
		For Single Layer Of Felt Finish, Add	*0.59*	
		For Work In Restricted Working Space, Add	*4.07*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.96	4.97
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.14*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.61	5.15
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	22.70	5.57
		For Single Layer Of Felt Finish, Add	*0.76*	
		For Work In Restricted Working Space, Add	*4.63*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.30	6.50
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*5.40*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.40	6.86
		For Single Layer Of Felt Finish, Add	*1.09*	
		For Work In Restricted Working Space, Add	*5.70*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.86	8.21
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*6.82*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	40.76	9.57
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*7.94*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	45.56	10.48
		For Single Layer Of Felt Finish, Add	*1.74*	
		For Work In Restricted Working Space, Add	*8.71*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	19.31	4.65
		For Single Layer Of Felt Finish, Add	*0.68*	
		For Work In Restricted Working Space, Add	*3.85*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	19.53	4.65
		For Single Layer Of Felt Finish, Add	*0.70*	
		For Work In Restricted Working Space, Add	*3.85*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	20.17	4.78
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	20.74	4.78
		For Single Layer Of Felt Finish, Add	*0.79*	
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	21.33	4.92
		For Single Layer Of Felt Finish, Add	*0.84*	
		For Work In Restricted Working Space, Add	*4.00*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.12	5.06
		For Single Layer Of Felt Finish, Add	*0.87*	
		For Work In Restricted Working Space, Add	*4.15*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	23.24	5.19
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.29*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	24.42	5.46
		For Single Layer Of Felt Finish, Add	*1.01*	
		For Work In Restricted Working Space, Add	*4.44*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	26.63	5.73
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*4.68*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	31.54	6.74
		For Single Layer Of Felt Finish, Add	*1.35*	
		For Work In Restricted Working Space, Add	*5.62*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	35.59	7.12
		For Single Layer Of Felt Finish, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.93*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	42.60	8.51
		For Single Layer Of Felt Finish, Add	*1.99*	
		For Work In Restricted Working Space, Add	*7.10*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	49.13	10.21
		For Single Layer Of Felt Finish, Add	*2.18*	
		For Work In Restricted Working Space, Add	*8.50*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	63.06	11.13
		For Single Layer Of Felt Finish, Add	*2.47*	
		For Work In Restricted Working Space, Add	*11.86*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	66.32	13.05
		For Single Layer Of Felt Finish, Add	*2.81*	
		For Work In Restricted Working Space, Add	*11.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	73.32	13.70
		For Single Layer Of Felt Finish, Add	*3.34*	
		For Work In Restricted Working Space, Add	*12.45*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	83.15	15.65
		For Single Layer Of Felt Finish, Add	*3.75*	
		For Work In Restricted Working Space, Add	*14.24*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	96.90	18.92
		For Single Layer Of Felt Finish, Add	*4.16*	
		For Work In Restricted Working Space, Add	*17.20*	
22 07 19 00-0062		**2-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	23.82	5.46
		For Single Layer Of Felt Finish, Add	*0.95*	
		For Work In Restricted Working Space, Add	*4.45*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	24.13	5.46
		For Single Layer Of Felt Finish, Add	*0.98*	
		For Work In Restricted Working Space, Add	*4.45*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	25.04	5.46
		For Single Layer Of Felt Finish, Add	*1.05*	
		For Work In Restricted Working Space, Add	*4.52*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	25.71	5.60
		For Single Layer Of Felt Finish, Add	*1.11*	
		For Work In Restricted Working Space, Add	*4.55*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.42	5.60
		For Single Layer Of Felt Finish, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.59*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	27.50	5.87
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.01	6.01
		For Single Layer Of Felt Finish, Add	*1.32*	
		For Work In Restricted Working Space, Add	*4.94*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.39	6.29
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*5.11*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.51	6.56
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*5.39*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	38.40	6.97
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*6.13*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	50.73	8.33
		For Single Layer Of Felt Finish, Add	*2.94*	
		For Work In Restricted Working Space, Add	*6.83*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	60.47	9.57
		For Single Layer Of Felt Finish, Add	*3.59*	
		For Work In Restricted Working Space, Add	*7.88*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	69.07	11.89
		For Single Layer Of Felt Finish, Add	*3.83*	
		For Work In Restricted Working Space, Add	*9.79*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	77.96	13.12
		For Single Layer Of Felt Finish, Add	*4.44*	
		For Work In Restricted Working Space, Add	*10.69*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	92.17	16.67
		For Single Layer Of Felt Finish, Add	*4.90*	
		For Work In Restricted Working Space, Add	*13.66*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	98.99	17.48
		For Single Layer Of Felt Finish, Add	*5.37*	
		For Work In Restricted Working Space, Add	*14.34*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	112.39	19.95
		For Single Layer Of Felt Finish, Add	*6.06*	
		For Work In Restricted Working Space, Add	*16.40*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	132.40	24.10
		For Single Layer Of Felt Finish, Add	*6.97*	
		For Work In Restricted Working Space, Add	*19.81*	
22 07 19 00-0081		**3" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	26.28	6.04
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*4.92*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	26.62	6.04
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.92*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	27.53	6.10
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*4.97*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	28.25	6.14
		For Single Layer Of Felt Finish, Add	*1.21*	
		For Work In Restricted Working Space, Add	*5.00*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	29.08	6.21
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	30.20	6.44
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.24*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	31.85	6.65
		For Single Layer Of Felt Finish, Add	*1.45*	
		For Work In Restricted Working Space, Add	*5.42*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	33.38	6.90
		For Single Layer Of Felt Finish, Add	*1.54*	
		For Work In Restricted Working Space, Add	*5.62*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	36.83	7.28
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.93*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	42.19	8.27
		For Single Layer Of Felt Finish, Add	*2.07*	
		For Work In Restricted Working Space, Add	*6.74*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	55.72	9.20
		For Single Layer Of Felt Finish, Add	*3.22*	
		For Work In Restricted Working Space, Add	*7.51*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	66.44	10.63
		For Single Layer Of Felt Finish, Add	*3.94*	
		For Work In Restricted Working Space, Add	*8.66*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	75.89	13.21
		For Single Layer Of Felt Finish, Add	*4.20*	
		For Work In Restricted Working Space, Add	*10.77*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	85.65	14.42
		For Single Layer Of Felt Finish, Add	*4.88*	
		For Work In Restricted Working Space, Add	*11.76*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	101.27	18.43
		For Single Layer Of Felt Finish, Add	*5.37*	
		For Work In Restricted Working Space, Add	*15.02*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	108.76	19.36
		For Single Layer Of Felt Finish, Add	*5.90*	
		For Work In Restricted Working Space, Add	*15.78*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	123.51	22.13
		For Single Layer Of Felt Finish, Add	*6.65*	
		For Work In Restricted Working Space, Add	*18.04*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	145.48	26.72
		For Single Layer Of Felt Finish, Add	*7.65*	
		For Work In Restricted Working Space, Add	*21.79*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.36	6.56
		For Single Layer Of Felt Finish, Add	*1.09*	
		For Work In Restricted Working Space, Add	*5.39*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.76	6.56
		For Single Layer Of Felt Finish, Add	*1.13*	
		For Work In Restricted Working Space, Add	*5.39*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.08	6.56
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*5.42*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.85	6.70
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*5.46*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.79	6.70
		For Single Layer Of Felt Finish, Add	*1.40*	
		For Work In Restricted Working Space, Add	*5.53*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.95	6.97
		For Single Layer Of Felt Finish, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.72*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.76	7.24
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*5.92*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	36.34	7.51
		For Single Layer Of Felt Finish, Add	*1.67*	
		For Work In Restricted Working Space, Add	*6.13*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	40.24	7.93
		For Single Layer Of Felt Finish, Add	*1.96*	
		For Work In Restricted Working Space, Add	*6.48*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	46.05	9.01
		For Single Layer Of Felt Finish, Add	*2.26*	
		For Work In Restricted Working Space, Add	*7.35*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	60.84	9.97
		For Single Layer Of Felt Finish, Add	*3.52*	
		For Work In Restricted Working Space, Add	*8.19*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	72.57	11.48
		For Single Layer Of Felt Finish, Add	*4.31*	
		For Work In Restricted Working Space, Add	*9.45*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	82.88	14.34
		For Single Layer Of Felt Finish, Add	*4.59*	
		For Work In Restricted Working Space, Add	*11.75*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	93.56	15.71
		For Single Layer Of Felt Finish, Add	*5.34*	
		For Work In Restricted Working Space, Add	*12.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	110.63	19.95
		For Single Layer Of Felt Finish, Add	*5.88*	
		For Work In Restricted Working Space, Add	*16.39*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	118.78	21.04
		For Single Layer Of Felt Finish, Add	*6.45*	
		For Work In Restricted Working Space, Add	*17.21*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	134.93	24.04
		For Single Layer Of Felt Finish, Add	*7.28*	
		For Work In Restricted Working Space, Add	*19.69*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	158.90	28.96
		For Single Layer Of Felt Finish, Add	*8.37*	
		For Work In Restricted Working Space, Add	*23.77*	
22 07 19 00-0119		**4" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	32.11	7.37
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*5.99*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	32.54	7.37
		For Single Layer Of Felt Finish, Add	*1.32*	
		For Work In Restricted Working Space, Add	*5.99*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	33.78	7.37
		For Single Layer Of Felt Finish, Add	*1.41*	
		For Work In Restricted Working Space, Add	*6.09*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	34.78	7.51
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*6.16*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	36.20	7.79
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*6.35*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	37.50	8.06
		For Single Layer Of Felt Finish, Add	*1.64*	
		For Work In Restricted Working Space, Add	*6.55*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	39.11	8.06
		For Single Layer Of Felt Finish, Add	*1.78*	
		For Work In Restricted Working Space, Add	*6.65*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	41.03	8.47
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*6.90*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	45.24	8.88
		For Single Layer Of Felt Finish, Add	*2.20*	
		For Work In Restricted Working Space, Add	*7.28*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	51.80	10.11
		For Single Layer Of Felt Finish, Add	*2.55*	
		For Work In Restricted Working Space, Add	*8.26*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	68.45	10.93
		For Single Layer Of Felt Finish, Add	*3.96*	
		For Work In Restricted Working Space, Add	*9.21*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	81.66	12.98
		For Single Layer Of Felt Finish, Add	*4.85*	
		For Work In Restricted Working Space, Add	*10.64*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	93.27	16.12
		For Single Layer Of Felt Finish, Add	*5.17*	
		For Work In Restricted Working Space, Add	*13.22*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	105.29	17.62
		For Single Layer Of Felt Finish, Add	*6.00*	
		For Work In Restricted Working Space, Add	*14.44*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	124.52	22.54
		For Single Layer Of Felt Finish, Add	*6.61*	
		For Work In Restricted Working Space, Add	*18.46*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	133.57	23.64
		For Single Layer Of Felt Finish, Add	*7.25*	
		For Work In Restricted Working Space, Add	*19.34*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	149.98	27.05
		For Single Layer Of Felt Finish, Add	*8.00*	
		For Work In Restricted Working Space, Add	*22.14*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	178.78	32.65
		For Single Layer Of Felt Finish, Add	*9.41*	
		For Work In Restricted Working Space, Add	*26.75*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	204.53	38.52
		For Single Layer Of Felt Finish, Add	*10.44*	
		For Work In Restricted Working Space, Add	*31.52*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	231.18	45.35
		For Single Layer Of Felt Finish, Add	*11.28*	
		For Work In Restricted Working Space, Add	*37.12*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	261.54	53.55
		For Single Layer Of Felt Finish, Add	*12.07*	
		For Work In Restricted Working Space, Add	*43.97*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	316.98	68.08
		For Single Layer Of Felt Finish, Add	*13.71*	
		For Work In Restricted Working Space, Add	*55.91*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	372.43	82.92
		For Single Layer Of Felt Finish, Add	*15.36*	
		For Work In Restricted Working Space, Add	*67.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	401.19	91.12
		For Single Layer Of Felt Finish, Add	*15.95*	
		For Work In Restricted Working Space, Add	*74.79*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	426.92	98.09
		For Single Layer Of Felt Finish, Add	*16.59*	
		For Work In Restricted Working Space, Add	*80.67*	

22 07 19 00-0145 Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0146 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	23.76	6.67
		For Work In Restricted Working Space, Add	*6.06*	
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	24.66	6.67
		For Work In Restricted Working Space, Add	*6.06*	
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	25.87	6.76
		For Work In Restricted Working Space, Add	*6.14*	
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	26.47	6.86
		For Work In Restricted Working Space, Add	*6.23*	
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	27.38	6.95
		For Work In Restricted Working Space, Add	*6.32*	
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	29.12	7.14
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	31.30	7.44
		For Work In Restricted Working Space, Add	*6.77*	
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	33.66	7.63
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	38.76	8.21
		For Work In Restricted Working Space, Add	*7.47*	
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	49.04	9.26
		For Work In Restricted Working Space, Add	*8.42*	

22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.97	7.39
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.54	7.39
		For Work In Restricted Working Space, Add	*6.50*	
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	29.41	7.48
		For Work In Restricted Working Space, Add	*6.59*	
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.10	7.58
		For Work In Restricted Working Space, Add	*6.67*	
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	30.76	7.68
		For Work In Restricted Working Space, Add	*6.76*	
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	33.27	7.94
		For Work In Restricted Working Space, Add	*6.98*	
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	37.50	8.24
		For Work In Restricted Working Space, Add	*7.25*	
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	41.27	8.48
		For Work In Restricted Working Space, Add	*7.47*	
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	46.61	9.03
		For Work In Restricted Working Space, Add	*7.95*	
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	54.80	10.23
		For Work In Restricted Working Space, Add	*9.00*	
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	61.27	11.41
		For Work In Restricted Working Space, Add	*10.04*	
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	74.18	13.16
		For Work In Restricted Working Space, Add	*11.57*	
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	88.19	16.35
		For Work In Restricted Working Space, Add	*14.38*	
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	97.91	17.20
		For Work In Restricted Working Space, Add	*15.63*	
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	107.85	19.21
		For Work In Restricted Working Space, Add	*17.46*	
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	122.44	22.72
		For Work In Restricted Working Space, Add	*20.66*	
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	136.73	25.15
		For Work In Restricted Working Space, Add	*22.87*	
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	169.95	27.87
		For Work In Restricted Working Space, Add	*25.33*	

22 07 19 00-0176 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	31.36	7.63
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	32.25	7.63
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	33.41	7.71
		For Work In Restricted Working Space, Add	*7.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	35.09	7.83
		For Work In Restricted Working Space, Add	*7.11*	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	36.80	7.93
		For Work In Restricted Working Space, Add	*7.20*	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	41.01	8.21
		For Work In Restricted Working Space, Add	*7.47*	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	42.98	8.51
		For Work In Restricted Working Space, Add	*7.73*	
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	46.05	8.78
		For Work In Restricted Working Space, Add	*7.99*	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	51.72	9.27
		For Work In Restricted Working Space, Add	*8.43*	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	61.75	10.53
		For Work In Restricted Working Space, Add	*9.57*	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	68.75	11.75
		For Work In Restricted Working Space, Add	*10.68*	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	83.51	13.54
		For Work In Restricted Working Space, Add	*12.31*	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	103.46	16.83
		For Work In Restricted Working Space, Add	*15.30*	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	110.60	18.38
		For Work In Restricted Working Space, Add	*16.70*	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	131.11	23.49
		For Work In Restricted Working Space, Add	*21.35*	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	142.75	24.65
		For Work In Restricted Working Space, Add	*22.41*	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	158.11	28.18
		For Work In Restricted Working Space, Add	*25.62*	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	198.06	34.05
		For Work In Restricted Working Space, Add	*30.95*	

22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.89	8.28
		For Work In Restricted Working Space, Add	*7.53*	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.38	8.27
		For Work In Restricted Working Space, Add	*7.52*	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.33	8.40
		For Work In Restricted Working Space, Add	*7.64*	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.03	8.47
		For Work In Restricted Working Space, Add	*7.70*	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	44.75	8.54
		For Work In Restricted Working Space, Add	*7.76*	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	47.92	8.88
		For Work In Restricted Working Space, Add	*8.08*	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	50.94	9.19
		For Work In Restricted Working Space, Add	*8.36*	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	55.24	9.51
		For Work In Restricted Working Space, Add	*8.65*	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	61.79	10.03
		For Work In Restricted Working Space, Add	*9.12*	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	73.77	11.41
		For Work In Restricted Working Space, Add	*10.37*	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	82.20	12.71
		For Work In Restricted Working Space, Add	*11.56*	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	93.82	14.65
		For Work In Restricted Working Space, Add	*13.33*	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	116.82	18.23
		For Work In Restricted Working Space, Add	*16.57*	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	121.97	19.89
		For Work In Restricted Working Space, Add	*18.09*	
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	144.15	25.43
		For Work In Restricted Working Space, Add	*23.11*	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	156.59	26.69
		For Work In Restricted Working Space, Add	*24.27*	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	180.00	30.51
		For Work In Restricted Working Space, Add	*27.74*	
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	225.21	36.87
		For Work In Restricted Working Space, Add	*33.51*	

22 07 19 00-0214 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	45.56	8.80
		For Work In Restricted Working Space, Add	*8.00*	
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	46.47	8.80
		For Work In Restricted Working Space, Add	*8.00*	
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	47.83	8.95
		For Work In Restricted Working Space, Add	*8.13*	
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	48.92	9.00
		For Work In Restricted Working Space, Add	*8.19*	
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	50.06	9.08
		For Work In Restricted Working Space, Add	*8.25*	
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	53.76	9.45
		For Work In Restricted Working Space, Add	*8.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	57.29	9.78
		For Work In Restricted Working Space, Add	*8.89*	
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	64.93	10.12
		For Work In Restricted Working Space, Add	*9.20*	
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	73.96	10.67
		For Work In Restricted Working Space, Add	*9.70*	
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	81.06	12.13
		For Work In Restricted Working Space, Add	*11.03*	
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	91.53	13.53
		For Work In Restricted Working Space, Add	*12.30*	
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	109.11	15.60
		For Work In Restricted Working Space, Add	*14.18*	
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	126.92	19.38
		For Work In Restricted Working Space, Add	*17.62*	
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	135.95	21.16
		For Work In Restricted Working Space, Add	*19.24*	
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	162.59	27.05
		For Work In Restricted Working Space, Add	*24.59*	
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	173.96	28.40
		For Work In Restricted Working Space, Add	*25.82*	
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	203.75	32.46
		For Work In Restricted Working Space, Add	*29.51*	
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	249.02	39.22
		For Work In Restricted Working Space, Add	*35.65*	

22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.89	10.67
		For Work In Restricted Working Space, Add	*9.70*	
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	56.03	10.67
		For Work In Restricted Working Space, Add	*9.70*	
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	57.38	10.74
		For Work In Restricted Working Space, Add	*9.77*	
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	58.73	10.80
		For Work In Restricted Working Space, Add	*9.83*	
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	60.29	10.94
		For Work In Restricted Working Space, Add	*9.95*	
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	66.24	11.33
		For Work In Restricted Working Space, Add	*10.29*	
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	72.25	11.72
		For Work In Restricted Working Space, Add	*10.65*	
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	76.28	12.13
		For Work In Restricted Working Space, Add	*11.03*	
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	81.68	12.82
		For Work In Restricted Working Space, Add	*11.66*	
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	93.99	14.56
		For Work In Restricted Working Space, Add	*13.23*	
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	106.83	16.21
		For Work In Restricted Working Space, Add	*14.74*	
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	127.71	18.72
		For Work In Restricted Working Space, Add	*17.01*	
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	151.03	23.26
		For Work In Restricted Working Space, Add	*21.15*	
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	157.69	25.40
		For Work In Restricted Working Space, Add	*23.09*	
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	189.28	32.46
		For Work In Restricted Working Space, Add	*29.51*	
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	207.85	34.09
		For Work In Restricted Working Space, Add	*30.98*	
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	236.65	38.98
		For Work In Restricted Working Space, Add	*35.44*	
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	290.51	47.06
		For Work In Restricted Working Space, Add	*42.79*	

22 07 19 00-0252 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	66.85	13.12
		For Work In Restricted Working Space, Add	*11.92*	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	68.32	13.12
		For Work In Restricted Working Space, Add	*11.92*	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	70.48	13.34
		For Work In Restricted Working Space, Add	*12.13*	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	72.42	13.50
		For Work In Restricted Working Space, Add	*12.27*	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	75.18	13.92
		For Work In Restricted Working Space, Add	*12.65*	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	81.14	14.34
		For Work In Restricted Working Space, Add	*13.04*	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	86.46	14.57
		For Work In Restricted Working Space, Add	*13.25*	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	90.74	15.11
		For Work In Restricted Working Space, Add	*13.73*	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	99.20	16.85
		For Work In Restricted Working Space, Add	*15.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	114.61	18.08
		For Work In Restricted Working Space, Add	*16.45*	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	129.31	19.61
		For Work In Restricted Working Space, Add	*17.83*	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	148.20	23.31
		For Work In Restricted Working Space, Add	*21.19*	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	173.31	28.95
		For Work In Restricted Working Space, Add	*26.31*	
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	188.46	31.61
		For Work In Restricted Working Space, Add	*28.75*	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	223.99	40.42
		For Work In Restricted Working Space, Add	*36.75*	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	248.95	42.37
		For Work In Restricted Working Space, Add	*38.51*	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	279.16	48.48
		For Work In Restricted Working Space, Add	*44.08*	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	353.79	58.58
		For Work In Restricted Working Space, Add	*53.25*	

22 07 19 00-0271 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0272 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0273	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.98	3.14
22 07 19 00-0274	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.23	3.28
22 07 19 00-0275	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.95	3.55
22 07 19 00-0276	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.68	3.69
22 07 19 00-0277	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.13	3.69
22 07 19 00-0278	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.95	3.82
22 07 19 00-0279	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	17.10	3.96
22 07 19 00-0280	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	18.22	4.23
22 07 19 00-0281	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	21.49	5.06
22 07 19 00-0282	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	25.66	5.73
22 07 19 00-0283	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	30.35	6.70
22 07 19 00-0284	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	34.19	7.24
22 07 19 00-0285	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	40.68	8.88

22 07 19 00-0286 1" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0287	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.99	3.28
22 07 19 00-0288	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.71	3.55
22 07 19 00-0289	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.57	3.69
22 07 19 00-0290	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	17.48	3.82
22 07 19 00-0291	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.25	3.96
22 07 19 00-0292	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	19.30	3.96
22 07 19 00-0293	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	20.75	4.23
22 07 19 00-0294	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	22.32	4.51
22 07 19 00-0295	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	26.41	5.33
22 07 19 00-0296	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	33.36	6.70
22 07 19 00-0297	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	40.12	7.93
22 07 19 00-0298	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	45.86	8.88
22 07 19 00-0299	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	51.83	9.97

22 07 19 00-0300 1-1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0301	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.69	3.69
22 07 19 00-0302	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	18.70	3.82
22 07 19 00-0303	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.85	3.96
22 07 19 00-0304	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	20.72	4.09
22 07 19 00-0305	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	22.00	4.23
22 07 19 00-0306	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	23.82	4.51
22 07 19 00-0307	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	25.62	4.65
22 07 19 00-0308	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	30.38	5.73
22 07 19 00-0309	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	38.85	7.24
22 07 19 00-0310	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	47.30	8.88
22 07 19 00-0311	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	54.39	9.97
22 07 19 00-0312	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	59.95	10.65

22 07 19 00-0313 2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0314	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	22.56	3.82
22 07 19 00-0315	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.97	3.96
22 07 19 00-0316	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	25.25	4.23
22 07 19 00-0317	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	26.30	4.23
22 07 19 00-0318	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	27.30	4.51
22 07 19 00-0319	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	29.62	4.78
22 07 19 00-0320	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	31.13	5.06
22 07 19 00-0321	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	37.13	6.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0322	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	45.33	7.93
22 07 19 00-0323	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	59.20	9.97
22 07 19 00-0324	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	63.15	11.48
22 07 19 00-0325	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	68.75	12.29

22 07 19 00-0326 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0327 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*

22 07 19 00-0328	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.75	4.08
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0329	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.76	4.08
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0330	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.12	4.23
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0331	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.50	4.38
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0332	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.85	4.46
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0333	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.26	4.53
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0334	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.43	4.53
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0335	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.90	4.53
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0336	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.82	4.66
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0337	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.24	4.74
		For Work In Restricted Working Space, Add	*2.86*	

22 07 19 00-0338 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*

22 07 19 00-0339	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.72	4.46
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0340	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.83	4.46
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0341	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.00	4.53
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0342	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.20	4.55
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0343	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.72	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0344	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.16	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0345	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.66	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0346	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.28	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0347	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.34	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0348	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.45	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0349	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.50	5.16
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0350	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.13	5.23
		For Work In Restricted Working Space, Add	*3.14*	

22 07 19 00-0351 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*

22 07 19 00-0352	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.84	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0353	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.98	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0354	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.69	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0355	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.02	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0356	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.91	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0357	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.83	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0358	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.25	5.34
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0359	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.93	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0360	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.27	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0361	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.40	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0362	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.08	5.67
		For Work In Restricted Working Space, Add	*3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0363	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.78	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0364		**1" Wall Flexible Polyethylene Tubing Foam Insulation** *(22 07 19 00-0326)*		
22 07 19 00-0365	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.35	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0366	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.67	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0367	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.70	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0368	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.01	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0369	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.57	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0370	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.33	5.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0371	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.64	5.95
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0372	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.14	6.02
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	19.20	6.18
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0374	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	20.13	6.25
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0375		**Flexible Elastomeric Tubing Closed Cell Foam Insulation** *(22 07 19)*		
		Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0376		**3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex)** *(22 07 19 00-0375)*		
22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.84	4.08
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.95	4.08
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.29	4.23
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.49	4.30
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.70	4.38
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.96	4.46
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.20	4.53
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.41	4.53
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.60	4.53
		For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.80	4.59
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.10	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.34	4.66
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.52	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.78	4.74
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0391	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.30	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0392	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.93	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0393	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.60	4.91
		For Work In Restricted Working Space, Add	*2.95*	
22 07 19 00-0394		**1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex)** *(22 07 19 00-0375)*		
22 07 19 00-0395	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.87	4.46
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0396	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.00	4.46
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0397	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.14	4.53
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0398	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.31	4.53
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0399	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.45	4.53
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0400	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.83	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0401	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.17	4.74
		For Work In Restricted Working Space, Add	*2.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0402	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.48	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0403	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.78	4.85
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0404	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.02	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0405	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.90	4.96
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0406	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.44	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0407	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.84	5.07
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0408	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.18	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0409	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.43	5.14
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0410	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.65	5.16
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0411	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.66	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0412	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.90	5.27
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0413	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.86	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0414	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.05	5.45
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0415	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.37	5.60
		For Work In Restricted Working Space, Add	*3.35*	

22 07 19 00-0416 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0417	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.20	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.48	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.91	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.14	5.07
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.26	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.87	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.32	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.77	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.89	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.07	5.42
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.58	5.45
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.89	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.48	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.87	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.49	5.64
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.74	5.67
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.68	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.41	5.77
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.61	5.80
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.92	5.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0437	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.53	6.02
		For Work In Restricted Working Space, Add	*3.62*	

22 07 19 00-0438 1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.92	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.26	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.72	5.52
		For Work In Restricted Working Space, Add	*3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0442	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.06	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0443	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.35	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0444	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.92	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0445	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.75	5.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0446	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.18	5.88
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0447	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.71	5.95
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0448	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.92	6.02
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0449	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.06	6.11
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0450	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.95	6.18
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0451	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.06	6.22
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0452	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.39	6.25
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0453	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.99	6.29
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0454	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.29	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 07 19 00-0455	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.44	6.46
		For Work In Restricted Working Space, Add	*3.87*	
22 07 19 00-0456	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.90	6.53
		For Work In Restricted Working Space, Add	*3.92*	
22 07 19 00-0457	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.01	6.60
		For Work In Restricted Working Space, Add	*3.96*	
22 07 19 00-0458	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.29	6.75
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0459		1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*		
22 07 19 00-0460	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.46	5.94
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0461	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.92	6.07
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0462	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.26	6.11
		For Work In Restricted Working Space, Add	*3.67*	
22 07 19 00-0463	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.60	6.17
		For Work In Restricted Working Space, Add	*3.68*	
22 07 19 00-0464	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.13	6.30
		For Work In Restricted Working Space, Add	*3.77*	
22 07 19 00-0465	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.01	6.53
		For Work In Restricted Working Space, Add	*3.91*	
22 07 19 00-0466	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.07	6.44
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0467	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.00	6.59
		For Work In Restricted Working Space, Add	*4.00*	
22 07 19 00-0468	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.60	6.75
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0469	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.36	6.83
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0470	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.02	6.91
		For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0471	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.80	6.94
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0472	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.58	6.95
		For Work In Restricted Working Space, Add	*4.18*	
22 07 19 00-0473	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.49	6.99
		For Work In Restricted Working Space, Add	*4.20*	
22 07 19 00-0474	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.07	7.02
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0475	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.23	7.28
		For Work In Restricted Working Space, Add	*4.36*	
22 07 19 00-0476	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.93	7.39
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0477	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.93	7.50
		For Work In Restricted Working Space, Add	*4.50*	
22 07 19 00-0478	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.97	7.73
		For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0479		2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*		
22 07 19 00-0480	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.50	6.56
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0481	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.44	6.65
		For Work In Restricted Working Space, Add	*4.02*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0482		LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.91	6.71
			For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0483		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.42	6.76
			For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0484		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.75	6.90
			For Work In Restricted Working Space, Add	*4.13*	
22 07 19 00-0485		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.48	7.22
			For Work In Restricted Working Space, Add	*4.33*	
22 07 19 00-0486		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.40	7.05
			For Work In Restricted Working Space, Add	*4.36*	
22 07 19 00-0487		LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.08	7.29
			For Work In Restricted Working Space, Add	*4.44*	
22 07 19 00-0488		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.71	7.54
			For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0489		LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.77	7.63
			For Work In Restricted Working Space, Add	*4.57*	
22 07 19 00-0490		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.92	7.73
			For Work In Restricted Working Space, Add	*4.61*	
22 07 19 00-0491		LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.20	7.74
			For Work In Restricted Working Space, Add	*4.64*	
22 07 19 00-0492		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.21	7.75
			For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0493		LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.59	7.79
			For Work In Restricted Working Space, Add	*4.68*	
22 07 19 00-0494		LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.06	7.83
			For Work In Restricted Working Space, Add	*4.69*	
22 07 19 00-0495		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.12	8.20
			For Work In Restricted Working Space, Add	*4.90*	
22 07 19 00-0496		LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	52.06	8.36
			For Work In Restricted Working Space, Add	*5.01*	
22 07 19 00-0497		LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	53.00	8.52
			For Work In Restricted Working Space, Add	*5.12*	
22 07 19 00-0498		LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	59.07	8.86
			For Work In Restricted Working Space, Add	*5.32*	

22 07 19 00-0499 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0500 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0501		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.86	4.08
			For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0502		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.96	4.08
			For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0503		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.29	4.23
			For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0504		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.70	4.38
			For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0505		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.95	4.46
			For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0506		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.41	4.53
			For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0507		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.75	4.53
			For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0508		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.00	4.66
			For Work In Restricted Working Space, Add	*2.74*	
22 07 19 00-0509		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.12	4.66
			For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0510		LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.12	4.74
			For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0511		LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.68	4.88
			For Work In Restricted Working Space, Add	*2.93*	

22 07 19 00-0512 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0513		LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.92	4.46
			For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0514		LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.02	4.46
			For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0515		LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.22	4.53
			For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0516		LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.51	4.53
			For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0517		LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.85	4.66
			For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0518		LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.34	4.74
			For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0519		LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.90	4.81
			For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0520		LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.43	4.88
			For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0521		LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.62	5.03
			For Work In Restricted Working Space, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0522	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.68	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0523	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.70	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0524		**3/4" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0499)*		
22 07 19 00-0525	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.17	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0526	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.55	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0527	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.01	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0528	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.74	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0529	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.42	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0530	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.58	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0531	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.35	5.31
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0532	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.22	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0533	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.91	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0534	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.43	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0535	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.37	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0536		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0499)*		
22 07 19 00-0537	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.31	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0538	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.52	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0539	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.99	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0540	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.03	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0541	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.91	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0542	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.80	5.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0543	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.66	5.88
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0544	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.60	6.02
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0545	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	22.19	6.18
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0546	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	24.04	6.25
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0547		**Flexible Elastomeric Unicellular Insulation** *(22 07 19)* Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0548		**3/8" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0547)*		
22 07 19 00-0549	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.95	4.08
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0550	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.52	4.23
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0551	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.04	4.39
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0552	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.48	4.46
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0553	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.97	4.53
		For Work In Restricted Working Space, Add	*2.71*	
22 07 19 00-0554	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.72	4.55
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0555	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	13.66	4.67
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0556	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.92	4.70
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0557	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	17.56	4.77
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0558		**1/2" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-0547)*		
22 07 19 00-0559	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.46	4.39
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0560	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.01	4.53
		For Work In Restricted Working Space, Add	*2.71*	

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22 07 19 00-0561	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.42	4.53
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0562	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.04	4.66
		For Work In Restricted Working Space, Add	*2.80*	
22 07 19 00-0563	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.54	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0564	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	14.31	4.81
		For Work In Restricted Working Space, Add	*2.89*	
22 07 19 00-0565	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.75	4.88
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0566	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.13	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0567	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	19.69	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0568	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	22.86	5.16
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0569	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	24.34	5.23
		For Work In Restricted Working Space, Add	*3.14*	

22 07 19 00-0570 3/4" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0547)*

22 07 19 00-0571	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.69	4.78
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0572	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.55	5.03
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0573	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	15.58	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0574	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.07	5.25
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0575	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	18.13	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0576	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	20.75	5.38
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0577	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	22.99	5.42
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0578	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	26.39	5.53
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0579	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	28.73	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0580	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	32.61	5.67
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-0581	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	34.39	5.73
		For Work In Restricted Working Space, Add	*3.44*	

22 07 19 00-0582 1" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-0547)*

22 07 19 00-0583	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.19	5.31
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0584	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	19.12	5.53
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0585	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	21.14	5.60
		For Work In Restricted Working Space, Add	*3.35*	
22 07 19 00-0586	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	23.57	5.73
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0587	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	25.78	5.88
		For Work In Restricted Working Space, Add	*3.53*	
22 07 19 00-0588	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	27.44	5.95
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0589	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	30.74	6.02
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0590	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	38.71	6.18
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0591	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	44.46	6.25
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0592	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	47.56	6.31
		For Work In Restricted Working Space, Add	*3.79*	
22 07 19 00-0593	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	53.94	6.46
		For Work In Restricted Working Space, Add	*3.87*	

22 07 19 00-0594 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.

22 07 19 00-0595 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0594)*

22 07 19 00-0596 Aluminum Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0595)*

22 07 19 00-0597	SF	0.006" Aluminum Insulation Jacket With Bands	20.58	8.74
22 07 19 00-0598	SF	0.010" Aluminum Insulation Jacket With Bands	20.95	8.74
22 07 19 00-0599	SF	0.016" Aluminum Insulation Jacket With Bands	21.29	8.74
22 07 19 00-0600	SF	0.024" Aluminum Insulation Jacket With Bands	21.90	8.74
22 07 19 00-0601	SF	0.020" Aluminum Insulation Jacket With Bands	21.61	8.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0602		16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*		
22 07 19 00-0603	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	10.74	2.48
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0604	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.21	2.54
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0605	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.69	2.61
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0606	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.18	2.67
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0607	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.57	2.71
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0608	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.97	2.75
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0609	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.43	2.81
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0610	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.92	2.86
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0611	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.42	2.93
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0612	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.85	2.97
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0613	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.38	3.04
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0614	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.90	3.11
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0615	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.41	3.18
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0616	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.89	3.23
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0617	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.44	3.31
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0618	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.01	3.39
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0619	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.61	3.48
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0620	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.12	3.55
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0621	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.74	3.64
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0622	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.38	3.74
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0623	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.93	3.82
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0624	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.63	3.93
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0625	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.34	4.04
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0626	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.83	4.10
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0627	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.31	4.17
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0628	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.15	4.26
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0629	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.79	4.38
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0630	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.32	4.45
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0631	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.09	4.52
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0632	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.87	4.60
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0633	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.81	4.71
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0634	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.65	4.80
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0635	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.46	4.88
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0636	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.30	4.97
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0637	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	31.33	5.11
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0638	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.23	5.20
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0639	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.10	5.30
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0640	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.22	5.46
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0641	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	34.91	5.52
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0642	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	36.11	5.57
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0643	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.53	5.69
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0644	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	38.74	5.75
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0645	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	40.20	5.87
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0646	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	41.11	5.93
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0647	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	42.91	6.08
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0648	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	44.17	6.14
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0649	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	45.69	6.28
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0650	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	46.93	6.36
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0651	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	48.51	6.51
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0652	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	49.77	6.59
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.59*	

22 07 19 00-0653 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0654	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.95	2.74
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0655	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.50	2.80
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0656	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.07	2.87
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0657	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.65	2.94
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0658	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.13	2.98
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0659	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.61	3.02
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0660	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.16	3.08
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0661	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.72	3.15
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0662	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.32	3.22
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0663	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.84	3.27
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0664	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.47	3.34
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0665	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.07	3.42
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0666	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.70	3.49
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0667	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.24	3.56
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0668	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.89	3.64
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0669	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.56	3.73
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0670	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.28	3.83
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0671	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.87	3.90
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0672	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.59	4.00
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0673	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.34	4.11
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0674	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.99	4.20
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0675	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.81	4.33
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0676	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.62	4.46
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0677	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.18	4.52
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0678	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.77	4.59
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0679	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	27.76	4.70
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0680	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.51	4.81
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0681	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	29.12	4.89
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0682	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	30.08	4.97
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0683	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.00	5.05
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0684	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	32.12	5.18
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0685	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	33.12	5.27
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0686	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	34.10	5.37
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0687	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	35.10	5.46
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0688	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	36.32	5.61
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0689	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	37.39	5.72
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0690	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	38.44	5.83
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0691	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	39.73	6.01
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0692	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	40.59	6.08
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0693	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	42.07	6.14
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0694	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	43.80	6.26
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0695	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	45.30	6.33
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0696	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	47.05	6.47
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0697	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	48.16	6.54
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0698	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	50.36	6.68
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.59*	
22 07 19 00-0699	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	51.92	6.75
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0700	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	53.75	6.91
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0701	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	55.27	6.99
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0702	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	57.19	7.15
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0703	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	58.74	7.24
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.74*	

22 07 19 00-0704 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0705	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.14	2.98
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0706	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.78	3.05
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0707	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.43	3.12
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0708	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.09	3.20
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0709	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.65	3.25
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0710	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.21	3.30
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0711	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.84	3.36
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0712	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.48	3.43
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0713	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.17	3.51
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0714	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.77	3.56
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0715	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.49	3.64
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0716	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.19	3.72
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0717	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.89	3.81
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0718	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.53	3.88
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0719	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.26	3.97
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0720	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.02	4.07
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0721	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.84	4.17
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0722	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.53	4.25
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0723	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.34	4.38
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0724	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.18	4.50
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0725	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.93	4.59
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0726	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.86	4.72
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0727	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.78	4.86
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0728	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.43	4.93
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0729	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.10	5.01
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0730	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.24	5.12
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0731	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.09	5.25
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0732	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.79	5.33
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0733	LF	8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	33.89	5.42
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0734	LF	8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	34.95	5.51
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0735	LF	9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.25	5.65
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0736	LF	9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	37.40	5.75
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0737	LF	10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	38.55	5.85
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0738	LF	10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.70	5.96
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0739	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	41.08	6.13
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0740	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	42.31	6.25
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0741	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	43.53	6.37
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0742	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	45.01	6.56
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0743	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	46.00	6.63
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0744	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	47.77	6.69
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0745	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	49.76	6.83
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0746	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	51.54	6.90
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0747	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	53.58	7.05
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0748	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	54.88	7.13
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.66*	
22 07 19 00-0749	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	57.45	7.28
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	
22 07 19 00-0750	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	59.27	7.37
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0751	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	61.38	7.53
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0752	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	63.19	7.62
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0753	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	65.40	7.81
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0754	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	67.22	7.90
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.89*	

22 07 19 00-0755 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0756	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	14.86	3.30
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0757	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.64	3.38
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0758	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.45	3.46
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0759	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.27	3.54
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0760	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.97	3.60
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0761	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.66	3.65
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0762	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.45	3.73
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0763	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.25	3.80
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0764	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.13	3.88
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0765	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.86	3.95
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0766	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.76	4.03
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0767	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.61	4.13
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0768	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	24.47	4.22
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0769	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.26	4.30
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0770	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	26.16	4.41
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0771	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.08	4.52
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0772	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.09	4.63
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0773	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.94	4.72
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0774	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	29.92	4.85
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0775	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	30.95	4.98
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0776	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.84	5.08
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0777	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	32.97	5.23
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0778	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.07	5.38
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0779	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.89	5.46
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0780	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	35.70	5.55
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0781	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	37.13	5.67
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0782	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	38.16	5.81
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0783	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	39.03	5.90
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0784	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	40.40	6.01
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0785	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	41.76	6.11
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0786	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	43.37	6.27
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0787	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	44.83	6.38
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0788	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	46.26	6.49
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0789	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	47.69	6.61
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0790	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	49.41	6.79
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0791	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	50.96	6.92
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0792	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.46	7.06
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0793	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	54.28	7.27
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0794	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	55.54	7.34
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0795	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	57.84	7.41
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0796	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	60.41	7.57
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0797	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	62.72	7.65
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0798	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	65.32	7.82
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0799	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	66.98	7.90
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.88*	
22 07 19 00-0800	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	70.30	8.08
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.95*	
22 07 19 00-0801	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	72.65	8.17
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0802	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	75.34	8.36
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0803	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	77.68	8.45
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0804	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	80.48	8.65
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.15*	
22 07 19 00-0805	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	82.83	8.76
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	

22 07 19 00-0806 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0595)*

22 07 19 00-0807	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	17.25	3.80
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0808	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	18.21	3.89
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0809	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.19	3.98
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0810	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.19	4.07
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0811	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.05	4.13
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0812	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.91	4.20
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0813	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.85	4.28
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0814	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.82	4.38
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0815	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.88	4.47
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0816	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.78	4.55
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0817	LF	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.87	4.65
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0818	LF	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.90	4.75
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0819	LF	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	28.95	4.86
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0820	LF	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	29.89	4.95
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0821	LF	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	30.99	5.07
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0822	LF	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	32.10	5.19
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0823	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	33.32	5.32
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0824	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	34.34	5.43
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0825	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	35.53	5.57
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0826	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	36.74	5.72
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0827	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	37.84	5.84
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0828	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	39.19	6.01
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0829	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	40.51	6.20
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0830	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	41.50	6.29
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0831	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	42.49	6.39
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0832	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	44.22	6.53
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0833	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	45.47	6.69
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0834	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	46.51	6.80
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0835	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	48.19	6.91
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0836	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	49.85	7.02
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0837	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	51.80	7.21
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0838	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	53.59	7.33
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0839	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	55.34	7.46
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0840	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	57.09	7.60
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0841	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	59.16	7.82
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0842	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	61.04	7.97
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0843	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	62.89	8.12
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0844	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	65.07	8.36
		For Stucco Embossed, Add	*0.32*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0845	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	66.63	8.45
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0846	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	69.49	8.53
		For Stucco Embossed, Add	*0.35*	
		For Corrugated, Add	*0.88*	
22 07 19 00-0847	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	72.62	8.71
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.94*	
22 07 19 00-0848	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	75.50	8.80
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.01*	
22 07 19 00-0849	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	78.70	8.99
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.07*	
22 07 19 00-0850	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	80.76	9.08
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.11*	
22 07 19 00-0851	LF	19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	84.84	9.29
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.19*	
22 07 19 00-0852	LF	20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	87.77	9.39
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.25*	
22 07 19 00-0853	LF	21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	91.06	9.61
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0854	LF	22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	93.95	9.73
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0855	LF	23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	97.38	9.96
		For Stucco Embossed, Add	*0.58*	
		For Corrugated, Add	*1.44*	
22 07 19 00-0856	LF	24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	100.29	10.07
		For Stucco Embossed, Add	*0.60*	
		For Corrugated, Add	*1.50*	

22 07 19 00-0857 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0595)*

22 07 19 00-0858	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	27.67	3.90
22 07 19 00-0859	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.25	4.04
22 07 19 00-0860	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.00	4.20
22 07 19 00-0861	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.26	4.26
22 07 19 00-0862	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.53	4.34
22 07 19 00-0863	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.95	4.45
22 07 19 00-0864	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	34.68	4.56
22 07 19 00-0865	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.14	4.67
22 07 19 00-0866	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.47	4.75
22 07 19 00-0867	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.30	4.84
22 07 19 00-0868	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	40.75	4.97
22 07 19 00-0869	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	41.72	5.06
22 07 19 00-0870	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.10	5.15
22 07 19 00-0871	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.50	5.25
22 07 19 00-0872	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.63	5.36
22 07 19 00-0873	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	49.78	5.46
22 07 19 00-0874	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	57.31	5.63
22 07 19 00-0875	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	57.78	5.75
22 07 19 00-0876	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	53.44	5.93
22 07 19 00-0877	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	53.97	6.08
22 07 19 00-0878	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	60.87	6.28
22 07 19 00-0879	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	69.09	6.43
22 07 19 00-0880	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	69.39	6.51
22 07 19 00-0881	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.11	6.59
22 07 19 00-0882	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	74.21	6.67
22 07 19 00-0883	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	115.19	6.83
22 07 19 00-0884	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	115.89	7.00
22 07 19 00-0885	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	93.02	7.10
22 07 19 00-0886	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	93.40	7.19
22 07 19 00-0887	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.17	7.28
22 07 19 00-0888	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	95.57	7.38
22 07 19 00-0889	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	105.42	7.59
22 07 19 00-0890	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	105.85	7.69
22 07 19 00-0891	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	165.28	7.92
22 07 19 00-0892	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	165.76	8.04
22 07 19 00-0893	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	212.29	8.28
22 07 19 00-0894	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	221.47	8.54
22 07 19 00-0895	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	239.03	8.67
22 07 19 00-0896	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.89	4.34
22 07 19 00-0897	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.31	4.45
22 07 19 00-0898	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.39	4.56
22 07 19 00-0899	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	32.85	4.67
22 07 19 00-0900	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	35.17	4.75
22 07 19 00-0901	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.50	4.84
22 07 19 00-0902	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.30	4.97
22 07 19 00-0903	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	38.98	5.06
22 07 19 00-0904	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.36	5.15
22 07 19 00-0905	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	39.76	5.25
22 07 19 00-0906	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.43	5.36
22 07 19 00-0907	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	43.87	5.46
22 07 19 00-0908	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	45.61	5.63
22 07 19 00-0909	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.84	5.93
22 07 19 00-0910	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	57.00	6.28
22 07 19 00-0911	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	57.59	6.43
22 07 19 00-0912	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.50	6.59
22 07 19 00-0913	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	58.82	6.67
22 07 19 00-0914	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	67.33	6.83
22 07 19 00-0915	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	68.03	7.00
22 07 19 00-0916	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	83.93	7.10
22 07 19 00-0917	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	84.31	7.19
22 07 19 00-0918	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.09	7.28
22 07 19 00-0919	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	81.49	7.38
22 07 19 00-0920	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	92.77	7.59
22 07 19 00-0921	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	93.20	7.69
22 07 19 00-0922	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	105.40	8.04
22 07 19 00-0923	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	123.00	8.28
22 07 19 00-0924	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.63	8.54
22 07 19 00-0925	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	184.82	8.67
22 07 19 00-0926	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	181.84	8.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0927	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	203.04	8.96
22 07 19 00-0928	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	240.68	9.10
22 07 19 00-0929	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	234.58	9.26
22 07 19 00-0930	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	250.94	9.42
22 07 19 00-0931	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	110.92	6.21
22 07 19 00-0932	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	111.51	6.36
22 07 19 00-0933	EA	3" ID, Aluminum Tee Insulation Jacketing	123.27	6.51
22 07 19 00-0934	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	123.90	6.67
22 07 19 00-0935	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	129.24	6.83
22 07 19 00-0936	EA	4" ID, Aluminum Tee Insulation Jacketing	131.04	7.00
22 07 19 00-0937	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	137.72	7.19
22 07 19 00-0938	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	137.61	7.38
22 07 19 00-0939	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	138.43	7.59
22 07 19 00-0940	EA	5" ID, Aluminum Tee Insulation Jacketing	143.33	7.81
22 07 19 00-0941	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	144.26	8.04
22 07 19 00-0942	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	150.18	8.28
22 07 19 00-0943	EA	6" ID, Aluminum Tee Insulation Jacketing	151.22	8.54
22 07 19 00-0944	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	165.02	9.10
22 07 19 00-0945	EA	7" ID, Aluminum Tee Insulation Jacketing	166.28	9.42
22 07 19 00-0946	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	182.03	9.76
22 07 19 00-0947	EA	8" ID, Aluminum Tee Insulation Jacketing	183.47	10.12
22 07 19 00-0948	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	188.80	10.51
22 07 19 00-0949	EA	9" ID, Aluminum Tee Insulation Jacketing	190.48	10.93
22 07 19 00-0950	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	153.54	11.15
22 07 19 00-0951	EA	10" ID, Aluminum Tee Insulation Jacketing	154.46	11.39
22 07 19 00-0952	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	162.54	11.63
22 07 19 00-0953	EA	11" ID, Aluminum Tee Insulation Jacketing	163.55	11.88
22 07 19 00-0954	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	170.92	12.14
22 07 19 00-0955	EA	12" ID, Aluminum Tee Insulation Jacketing	172.03	12.42
22 07 19 00-0956	EA	13" ID, Aluminum Tee Insulation Jacketing	179.27	12.70
22 07 19 00-0957	EA	14" ID, Aluminum Tee Insulation Jacketing	186.78	13.01
22 07 19 00-0958	EA	15" ID, Aluminum Tee Insulation Jacketing	199.04	13.33
22 07 19 00-0959	EA	16" ID, Aluminum Tee Insulation Jacketing	204.04	13.66
22 07 19 00-0960	EA	17" ID, Aluminum Tee Insulation Jacketing	227.79	14.01
22 07 19 00-0961	EA	18" ID, Aluminum Tee Insulation Jacketing	235.96	14.38
22 07 19 00-0962	EA	19" ID, Aluminum Tee Insulation Jacketing	256.40	14.77
22 07 19 00-0963	EA	20" ID, Aluminum Tee Insulation Jacketing	262.35	15.18
22 07 19 00-0964	EA	22" ID, Aluminum Tee Insulation Jacketing	318.95	15.61
22 07 19 00-0965	EA	23" ID, Aluminum Tee Insulation Jacketing	327.91	16.07
22 07 19 00-0966	EA	24" ID, Aluminum Tee Insulation Jacketing	341.00	17.62
22 07 19 00-0967		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0594)*		
22 07 19 00-0968		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0967)*		
22 07 19 00-0969	SF	0.010" Stainless Steel Insulation Jacket With Bands	25.61	10.25
22 07 19 00-0970	SF	0.016" Stainless Steel Insulation Jacket With Bands	31.43	12.29
22 07 19 00-0971		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0967)*		
22 07 19 00-0972	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.09	2.18
22 07 19 00-0973	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.66	2.23
22 07 19 00-0974	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.22	2.27
22 07 19 00-0975	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.82	2.32
22 07 19 00-0976	LF	3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.42	2.37
22 07 19 00-0977	LF	3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.01	2.42
22 07 19 00-0978	LF	4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.62	2.48
22 07 19 00-0979	LF	4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.23	2.54
22 07 19 00-0980	LF	4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.85	2.61
22 07 19 00-0981	LF	5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.16	2.74
22 07 19 00-0982	LF	5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.51	2.88
22 07 19 00-0983	LF	6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.91	3.04
22 07 19 00-0984	LF	6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.03	3.12
22 07 19 00-0985	LF	7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.17	3.22
22 07 19 00-0986	LF	7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.42	3.33
22 07 19 00-0987	LF	8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	26.44	3.39
22 07 19 00-0988	LF	8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.46	3.46
22 07 19 00-0989	LF	9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.51	3.53
22 07 19 00-0990	LF	9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.56	3.59
22 07 19 00-0991	LF	10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	30.62	3.67
22 07 19 00-0992	LF	10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	31.71	3.74
22 07 19 00-0993	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	32.79	3.82
22 07 19 00-0994	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	34.99	3.99
22 07 19 00-0995	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	37.16	4.14
22 07 19 00-0996	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	38.95	4.20
22 07 19 00-0997		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0967)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0998	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	17.94	2.91
22 07 19 00-0999	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.74	2.97
22 07 19 00-1000	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.54	3.03
22 07 19 00-1001	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.38	3.09
22 07 19 00-1002	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.20	3.16
22 07 19 00-1003	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.03	3.23
22 07 19 00-1004	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.90	3.30
22 07 19 00-1005	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.76	3.38
22 07 19 00-1006	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.64	3.46
22 07 19 00-1007	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.46	3.63
22 07 19 00-1008	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.35	3.82
22 07 19 00-1009	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	30.31	4.03
22 07 19 00-1010	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	31.90	4.15
22 07 19 00-1011	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.52	4.27
22 07 19 00-1012	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	35.25	4.44
22 07 19 00-1013	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	36.70	4.52
22 07 19 00-1014	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	38.16	4.60
22 07 19 00-1015	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	39.66	4.69
22 07 19 00-1016	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	41.13	4.78
22 07 19 00-1017	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	42.64	4.88
22 07 19 00-1018	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	44.19	4.98
22 07 19 00-1019	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	45.71	5.08
22 07 19 00-1020	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	48.83	5.30
22 07 19 00-1021	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	51.88	5.50
22 07 19 00-1022	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	54.46	5.59
22 07 19 00-1023		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0967)*		
22 07 19 00-1024	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.58	4.34
22 07 19 00-1025	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.00	4.45
22 07 19 00-1026	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.32	4.56
22 07 19 00-1027	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	38.78	4.67
22 07 19 00-1028	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	40.13	4.75
22 07 19 00-1029	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.66	4.84
22 07 19 00-1030	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	44.40	4.97
22 07 19 00-1031	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	52.85	5.06
22 07 19 00-1032	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	53.23	5.15
22 07 19 00-1033	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	54.78	5.36
22 07 19 00-1034	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	72.26	5.63
22 07 19 00-1035	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	78.35	5.93
22 07 19 00-1036	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	100.27	6.28
22 07 19 00-1037	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	100.86	6.43
22 07 19 00-1038	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	114.07	6.59
22 07 19 00-1039	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	115.06	6.83
22 07 19 00-1040	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	118.04	6.83
22 07 19 00-1041	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	166.01	7.00
22 07 19 00-1042	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	163.97	7.10
22 07 19 00-1043	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	164.35	7.19
22 07 19 00-1044	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	191.37	7.28
22 07 19 00-1045	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	184.41	7.38
22 07 19 00-1046	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	206.61	7.69
22 07 19 00-1047	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	275.74	8.04
22 07 19 00-1048	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	278.35	8.28
22 07 19 00-1049	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.38	4.34
22 07 19 00-1050	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.80	4.45
22 07 19 00-1051	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.46	4.56
22 07 19 00-1052	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.92	4.67
22 07 19 00-1053	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	36.47	4.75
22 07 19 00-1054	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.80	4.84
22 07 19 00-1055	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	42.31	4.97
22 07 19 00-1056	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.74	5.06
22 07 19 00-1057	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.12	5.15
22 07 19 00-1058	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.52	5.25
22 07 19 00-1059	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.46	5.36
22 07 19 00-1060	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	54.57	5.63
22 07 19 00-1061	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	61.77	5.93
22 07 19 00-1062	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	63.14	6.28
22 07 19 00-1063	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	90.03	6.43
22 07 19 00-1064	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.97	6.59
22 07 19 00-1065	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	92.29	6.67
22 07 19 00-1066	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	104.12	6.83
22 07 19 00-1067	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	104.82	7.00
22 07 19 00-1068	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	118.55	7.10
22 07 19 00-1069	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	118.93	7.19
22 07 19 00-1070	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.51	7.28
22 07 19 00-1071	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	137.91	7.38
22 07 19 00-1072	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	148.48	7.69
22 07 19 00-1073	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	170.63	8.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1074		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0594)*		
22 07 19 00-1075		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1074)*		
22 07 19 00-1076	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.36	2.02
22 07 19 00-1077	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.10	2.10
22 07 19 00-1078	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.74	2.18
22 07 19 00-1079	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.52	2.27
22 07 19 00-1080	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.25	2.37
22 07 19 00-1081	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.05	2.48
22 07 19 00-1082	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.89	2.61
22 07 19 00-1083	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.72	2.74
22 07 19 00-1084	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.67	2.88
22 07 19 00-1085	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.67	3.04
22 07 19 00-1086	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.39	3.12
22 07 19 00-1087	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.07	3.22
22 07 19 00-1088	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.97	3.33
22 07 19 00-1089	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.53	3.39
22 07 19 00-1090	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.15	3.46
22 07 19 00-1091	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.79	3.53
22 07 19 00-1092	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.44	3.59
22 07 19 00-1093	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.05	3.67
22 07 19 00-1094	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.72	3.74
22 07 19 00-1095	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.41	3.82
22 07 19 00-1096	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.09	3.90
22 07 19 00-1097	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.75	3.99
22 07 19 00-1098	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.53	4.07
22 07 19 00-1099	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.10	4.14
22 07 19 00-1100	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.47	4.14
22 07 19 00-1101	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.10	4.20
22 07 19 00-1102	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.09	4.26
22 07 19 00-1103	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.05	4.34
22 07 19 00-1104	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.06	4.41
22 07 19 00-1105	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.08	4.48
22 07 19 00-1106	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	32.08	4.56
22 07 19 00-1107	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.13	4.63
22 07 19 00-1108	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.12	4.71
22 07 19 00-1109	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.19	4.80
22 07 19 00-1110	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.21	4.88
22 07 19 00-1111	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.31	4.97
22 07 19 00-1112	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.42	5.06
22 07 19 00-1113	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.49	5.15
22 07 19 00-1114	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.62	5.25
22 07 19 00-1115	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.71	5.36
22 07 19 00-1116	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.89	5.46
22 07 19 00-1117	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.06	5.57
22 07 19 00-1118		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1074)*		
22 07 19 00-1119	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.89	2.10
22 07 19 00-1120	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.74	2.18
22 07 19 00-1121	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.68	2.27
22 07 19 00-1122	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.57	2.37
22 07 19 00-1123	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.52	2.48
22 07 19 00-1124	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.52	2.61
22 07 19 00-1125	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.57	2.74
22 07 19 00-1126	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.68	2.88
22 07 19 00-1127	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.04
22 07 19 00-1128	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.71	3.12
22 07 19 00-1129	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.60	3.22
22 07 19 00-1130	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.66	3.33
22 07 19 00-1131	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.43	3.39
22 07 19 00-1132	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.21	3.46
22 07 19 00-1133	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.01	3.53
22 07 19 00-1134	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.81	3.59
22 07 19 00-1135	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.63	3.67
22 07 19 00-1136	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.46	3.74
22 07 19 00-1137	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.30	3.82
22 07 19 00-1138	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.15	3.90
22 07 19 00-1139	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.02	3.99
22 07 19 00-1140	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.96	4.07
22 07 19 00-1141	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.74	4.14
22 07 19 00-1142	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.26	4.14
22 07 19 00-1143	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.05	4.20
22 07 19 00-1144	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.36	4.26
22 07 19 00-1145	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.69	4.34
22 07 19 00-1146	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.01	4.41
22 07 19 00-1147	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.41	4.48
22 07 19 00-1148	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.77	4.56
22 07 19 00-1149	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.14	4.63
22 07 19 00-1150	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.50	4.71
22 07 19 00-1151	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	42.88	4.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1152	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.28	4.88
22 07 19 00-1153	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	45.69	4.97
22 07 19 00-1154	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	47.17	5.06
22 07 19 00-1155	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	48.60	5.15
22 07 19 00-1156	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	50.06	5.25
22 07 19 00-1157	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	51.51	5.36
22 07 19 00-1158	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	53.00	5.46
22 07 19 00-1159	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	54.50	5.57
22 07 19 00-1160		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-1074)*		
22 07 19 00-1161	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.09	4.04
22 07 19 00-1162	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.40	4.20
22 07 19 00-1163	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.08	4.26
22 07 19 00-1164	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.78	4.34
22 07 19 00-1165	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.57	4.45
22 07 19 00-1166	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	23.28	4.56
22 07 19 00-1167	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.58	4.71
22 07 19 00-1168	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.77	4.84
22 07 19 00-1169	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	27.99	4.97
22 07 19 00-1170	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	30.62	5.20
22 07 19 00-1171	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	33.30	5.46
22 07 19 00-1172	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.07	5.75
22 07 19 00-1173	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	49.43	6.08
22 07 19 00-1174	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	51.58	6.28
22 07 19 00-1175	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	58.87	6.43
22 07 19 00-1176	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	61.11	6.59
22 07 19 00-1177	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	72.06	6.83
22 07 19 00-1178	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	88.14	7.10
22 07 19 00-1179	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	96.25	7.38
22 07 19 00-1180	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	107.25	7.69
22 07 19 00-1181	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	128.69	8.04
22 07 19 00-1182	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	143.46	8.28
22 07 19 00-1183	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	152.72	8.54
22 07 19 00-1184	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	164.11	8.67
22 07 19 00-1185	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	178.85	8.81
22 07 19 00-1186	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	221.06	8.96
22 07 19 00-1187	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	287.90	9.10
22 07 19 00-1188	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	360.23	9.26
22 07 19 00-1189	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.09	4.04
22 07 19 00-1190	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.40	4.20
22 07 19 00-1191	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.08	4.26
22 07 19 00-1192	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.78	4.34
22 07 19 00-1193	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.57	4.45
22 07 19 00-1194	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	23.28	4.56
22 07 19 00-1195	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.58	4.71
22 07 19 00-1196	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.77	4.84
22 07 19 00-1197	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	27.99	4.97
22 07 19 00-1198	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	30.62	5.20
22 07 19 00-1199	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	33.30	5.46
22 07 19 00-1200	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	38.07	5.75
22 07 19 00-1201	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	49.43	6.08
22 07 19 00-1202	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	51.58	6.28
22 07 19 00-1203	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	58.87	6.43
22 07 19 00-1204	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	61.11	6.59
22 07 19 00-1205	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	72.06	6.83
22 07 19 00-1206	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	88.14	7.10
22 07 19 00-1207	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	96.20	7.38
22 07 19 00-1208	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	104.30	7.69
22 07 19 00-1209	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	114.20	8.04
22 07 19 00-1210	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	126.86	8.28
22 07 19 00-1211	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	134.75	8.54
22 07 19 00-1212	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	149.57	8.67
22 07 19 00-1213	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	164.62	8.81
22 07 19 00-1214	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	193.92	8.96
22 07 19 00-1215	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	252.07	9.10
22 07 19 00-1216	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	281.29	9.26
22 07 19 00-1217	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.25	5.69
22 07 19 00-1218	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.47	5.81
22 07 19 00-1219	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.77	6.00
22 07 19 00-1220	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.21	6.21
22 07 19 00-1221	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.84	6.43
22 07 19 00-1222	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.45	6.67
22 07 19 00-1223	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.79	6.92
22 07 19 00-1224	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.25	7.19
22 07 19 00-1225	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	43.54	7.48
22 07 19 00-1226	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	48.14	7.81
22 07 19 00-1227	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	52.96	8.16
22 07 19 00-1228	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	61.72	8.67
22 07 19 00-1229	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	71.95	9.10
22 07 19 00-1230	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	80.99	9.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1231	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	109.38	9.59
22 07 19 00-1232	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	118.36	10.12
22 07 19 00-1233	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	136.78	10.51
22 07 19 00-1234	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	155.43	10.93
22 07 19 00-1235	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	158.57	11.39
22 07 19 00-1236	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	172.09	11.63
22 07 19 00-1237	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	185.64	11.88
22 07 19 00-1238	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	199.34	12.14
22 07 19 00-1239	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	212.94	12.42
22 07 19 00-1240	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	226.68	12.70
22 07 19 00-1241	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	240.33	13.01
22 07 19 00-1242	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	260.57	13.33
22 07 19 00-1243	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	280.77	13.66
22 07 19 00-1244	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	305.19	14.01
22 07 19 00-1245	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.53	3.90
22 07 19 00-1246	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	38.53	3.90
22 07 19 00-1247	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	45.23	4.04
22 07 19 00-1248	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	45.23	4.04
22 07 19 00-1249	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	62.61	4.20
22 07 19 00-1250	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	68.33	4.38
22 07 19 00-1251	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	75.19	4.56
22 07 19 00-1252	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	84.93	4.75
22 07 19 00-1253	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	93.33	4.97
22 07 19 00-1254	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	113.18	5.46
22 07 19 00-1255	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	159.19	6.08
22 07 19 00-1256	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	174.24	6.83
22 07 19 00-1257	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	217.11	7.28
22 07 19 00-1258	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	302.49	8.04
22 07 19 00-1259	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	304.44	8.41
22 07 19 00-1260	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	402.99	8.67
22 07 19 00-1261	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	542.35	8.96
22 07 19 00-1262	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	36.00	3.90
22 07 19 00-1263	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	36.00	3.90
22 07 19 00-1264	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.17	4.04
22 07 19 00-1265	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	42.17	4.04
22 07 19 00-1266	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	57.61	4.20
22 07 19 00-1267	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	62.75	4.38
22 07 19 00-1268	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	69.07	4.56
22 07 19 00-1269	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	72.66	4.75
22 07 19 00-1270	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	85.21	4.97
22 07 19 00-1271	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	103.12	5.46
22 07 19 00-1272	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	144.39	6.08
22 07 19 00-1273	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	158.01	6.83
22 07 19 00-1274	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	196.45	7.28
22 07 19 00-1275	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	272.92	8.04
22 07 19 00-1276	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	346.81	8.41
22 07 19 00-1277	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	414.11	8.67
22 07 19 00-1278	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	483.65	8.96
22 07 19 00-1279	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	53.39	5.87
22 07 19 00-1280	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	53.39	5.87
22 07 19 00-1281	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	62.02	6.08
22 07 19 00-1282	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	62.02	6.08
22 07 19 00-1283	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	84.62	6.28
22 07 19 00-1284	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	92.21	6.51
22 07 19 00-1285	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	101.36	6.83
22 07 19 00-1286	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	106.85	7.10
22 07 19 00-1287	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	125.74	7.48
22 07 19 00-1288	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	138.17	8.16
22 07 19 00-1289	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	192.57	9.10
22 07 19 00-1290	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	209.73	10.12
22 07 19 00-1291	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	288.12	10.93
22 07 19 00-1292	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	398.85	11.88
22 07 19 00-1293	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	475.20	12.70
22 07 19 00-1294	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	561.09	13.01
22 07 19 00-1295	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	614.11	13.33

22 07 19 00-1296 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-1297 Covering 4x6 Sheet *(22 07 19 00-1296)*

22 07 19 00-1298	SF	1" Thick Foam Rubber Sheet Insulation	27.51	9.70

22 08 Commissioning of Plumbing *(22)*

See CSI section 01 91 13 00-0001 for commissioning.

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	21.03	4.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.50*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*4.76*	
22 11 16 00-0003	LF	3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.14	5.14
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.22*	
		For ASTM 120, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*5.04*	
22 11 16 00-0004	LF	1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.37	5.63
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.38*	
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0005	LF	1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.01	5.86
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.19*	
		For ASTM 120, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*5.72*	
22 11 16 00-0006	LF	1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.42	6.94
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.07*	
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*5.96*	
22 11 16 00-0007	LF	2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.34	8.37
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*12.50*	
		For ASTM 120, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*6.79*	
22 11 16 00-0008	LF	2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	57.21	9.93
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*19.12*	
		For ASTM 120, Deduct	*-4.61*	
		For Work In Restricted Working Space, Add	*7.95*	
22 11 16 00-0009	LF	3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	71.14	13.28
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*23.98*	
		For ASTM 120, Deduct	*-5.85*	
		For Work In Restricted Working Space, Add	*9.64*	
22 11 16 00-0010	LF	4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	102.63	15.02
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*37.41*	
		For ASTM 120, Deduct	*-10.13*	
		For Work In Restricted Working Space, Add	*10.53*	
22 11 16 00-0011	LF	5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	180.59	19.20
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*70.67*	
		For ASTM 120, Deduct	*-20.73*	
		For Work In Restricted Working Space, Add	*12.72*	
22 11 16 00-0012	LF	6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	201.85	22.71
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*78.79*	
		For ASTM 120, Deduct	*-23.05*	
		For Work In Restricted Working Space, Add	*14.45*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.31	4.78
		For Schedule 80 Pipe, Add	*2.19*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*2.18*	
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.77	5.14
		For Schedule 80 Pipe, Add	*2.72*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*2.32*	
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	14.37	5.63
		For Schedule 80 Pipe, Add	*3.72*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*2.51*	
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.99	5.86
		For Schedule 80 Pipe, Add	*4.79*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*2.66*	
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	20.13	6.94
		For Schedule 80 Pipe, Add	*5.71*	
		For ASTM 120, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*3.12*	
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	25.65	8.37
		For Schedule 80 Pipe, Add	*7.53*	
		For ASTM 120, Deduct	*-1.96*	
		For Work In Restricted Working Space, Add	*3.78*	
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	35.67	9.93
		For Schedule 80 Pipe, Add	*11.44*	
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*4.49*	
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	47.05	13.28
		For Schedule 80 Pipe, Add	*15.01*	
		For ASTM 120, Deduct	*-4.07*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	61.20	15.02
		For Schedule 80 Pipe, Add	*20.79*	
		For ASTM 120, Deduct	*-5.79*	
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	80.52	19.20
		For Schedule 80 Pipe, Add	*27.72*	
		For ASTM 120, Deduct	*-7.77*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	101.16	22.71
		For Schedule 80 Pipe, Add	*35.63*	
		For ASTM 120, Deduct	*-10.07*	
		For Work In Restricted Working Space, Add	*10.20*	
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	113.62	27.45
		For Schedule 80 Pipe, Add	*38.93*	
		For ASTM 120, Deduct	*-10.88*	
		For Work In Restricted Working Space, Add	*12.32*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	14.46	4.78
		For Schedule 80 Pipe, Add	*4.19*	
		For ASTM 120, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*2.18*	
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	16.36	5.14
		For Schedule 80 Pipe, Add	*4.92*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*2.32*	
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	18.41	5.63
		For Schedule 80 Pipe, Add	*5.66*	
		For ASTM 120, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*2.51*	
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	21.49	5.86
		For Schedule 80 Pipe, Add	*6.95*	
		For ASTM 120, Deduct	*-1.89*	
		For Work In Restricted Working Space, Add	*2.66*	
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	24.83	6.94
		For Schedule 80 Pipe, Add	*7.96*	
		For ASTM 120, Deduct	*-2.16*	
		For Work In Restricted Working Space, Add	*3.12*	
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	29.02	8.37
		For Schedule 80 Pipe, Add	*9.15*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*3.78*	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	42.45	9.93
		For Schedule 80 Pipe, Add	*14.69*	
		For ASTM 120, Deduct	*-4.12*	
		For Work In Restricted Working Space, Add	*4.49*	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	53.55	13.28
		For Schedule 80 Pipe, Add	*18.13*	
		For ASTM 120, Deduct	*-5.04*	
		For Work In Restricted Working Space, Add	*5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	70.66	15.02
		For Schedule 80 Pipe, Add	*25.33*	
		For ASTM 120, Deduct	*-7.21*	
		For Work In Restricted Working Space, Add	*6.78*	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	91.48	19.20
		For Schedule 80 Pipe, Add	*32.99*	
		For ASTM 120, Deduct	*-9.41*	
		For Work In Restricted Working Space, Add	*8.63*	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	114.25	22.71
		For Schedule 80 Pipe, Add	*41.92*	
		For ASTM 120, Deduct	*-12.04*	
		For Work In Restricted Working Space, Add	*10.20*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	35.71	21.30
		For 300 Lb. Rating, Add	*14.83*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	40.37	23.81
		For 300 Lb. Rating, Add	*17.99*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*10.71*	
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	48.52	26.56
		For 300 Lb. Rating, Add	*31.77*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	58.79	30.15
		For 300 Lb. Rating, Add	*49.12*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	68.73	33.98
		For 300 Lb. Rating, Add	*63.64*	
		For ASTM 120, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*15.27*	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	93.86	43.19
		For 300 Lb. Rating, Add	*103.13*	
		For ASTM 120, Deduct	*-4.38*	
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	172.09	63.89
		For 300 Lb. Rating, Add	*265.43*	
		For ASTM 120, Deduct	*-11.46*	
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	251.86	83.99
		For 300 Lb. Rating, Add	*435.68*	
		For ASTM 120, Deduct	*-18.89*	
		For Work In Restricted Working Space, Add	*37.78*	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	353.90	87.89
		For 300 Lb. Rating, Add	*763.05*	
		For ASTM 120, Deduct	*-33.32*	
		For Work In Restricted Working Space, Add	*39.54*	
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,096.65	91.73
		For 300 Lb. Rating, Add	*3,269.26*	
		For ASTM 120, Deduct	*-143.87*	
		For Work In Restricted Working Space, Add	*41.26*	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,027.98	95.91
		For 300 Lb. Rating, Add	*3,014.91*	
		For ASTM 120, Deduct	*-132.63*	
		For Work In Restricted Working Space, Add	*43.13*	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,216.98	100.22
		For 300 Lb. Rating, Add	*3,635.90*	
		For ASTM 120, Deduct	*-160.01*	
		For Work In Restricted Working Space, Add	*45.08*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	41.92	22.50
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	48.21	25.24
		For ASTM 120, Deduct	*-1.56*	
		For Work In Restricted Working Space, Add	*11.34*	
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	46.93	23.93
		For ASTM 120, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	59.97	28.35
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*12.75*	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	61.39	26.92
		For ASTM 120, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*12.13*	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	60.74	25.73
		For ASTM 120, Deduct	*-3.33*	
		For Work In Restricted Working Space, Add	*11.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	75.92	32.07
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*14.41*	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	73.30	30.27
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	71.21	28.84
		For ASTM 120, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*12.99*	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	90.38	38.52
		For ASTM 120, Deduct	*-4.89*	
		For Work In Restricted Working Space, Add	*17.34*	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	92.27	36.61
		For ASTM 120, Deduct	*-5.60*	
		For Work In Restricted Working Space, Add	*16.47*	
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	91.04	34.82
		For ASTM 120, Deduct	*-5.82*	
		For Work In Restricted Working Space, Add	*15.68*	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	79.60	33.50
		For ASTM 120, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*15.06*	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	190.67	53.48
		For ASTM 120, Deduct	*-16.57*	
		For Work In Restricted Working Space, Add	*24.06*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	196.40	48.94
		For ASTM 120, Deduct	*-18.46*	
		For Work In Restricted Working Space, Add	*22.00*	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	311.61	73.94
		For ASTM 120, Deduct	*-30.12*	
		For Work In Restricted Working Space, Add	*33.25*	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	269.70	63.53
		For ASTM 120, Deduct	*-26.16*	
		For Work In Restricted Working Space, Add	*28.59*	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	579.71	83.60
		For ASTM 120, Deduct	*-68.15*	
		For Work In Restricted Working Space, Add	*37.61*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	36.64	21.30
		For 300 Lb. Rating, Add	*18.00*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	42.51	23.81
		For 300 Lb. Rating, Add	*25.26*	
		For ASTM 120, Deduct	*-1.02*	
		For Work In Restricted Working Space, Add	*10.71*	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	47.56	26.56
		For 300 Lb. Rating, Add	*28.50*	
		For ASTM 120, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	59.49	30.15
		For 300 Lb. Rating, Add	*51.50*	
		For ASTM 120, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	67.76	33.98
		For 300 Lb. Rating, Add	*60.34*	
		For ASTM 120, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*15.27*	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	89.61	43.19
		For 300 Lb. Rating, Add	*88.68*	
		For ASTM 120, Deduct	*-3.74*	
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	182.48	63.89
		For 300 Lb. Rating, Add	*300.76*	
		For ASTM 120, Deduct	*-13.02*	
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	252.14	83.99
		For 300 Lb. Rating, Add	*436.64*	
		For ASTM 120, Deduct	*-18.93*	
		For Work In Restricted Working Space, Add	*37.78*	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	343.37	87.89
		For 300 Lb. Rating, Add	*727.25*	
		For ASTM 120, Deduct	*-31.74*	
		For Work In Restricted Working Space, Add	*39.54*	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	992.45	91.73
		For 300 Lb. Rating, Add	*2,914.98*	
		For ASTM 120, Deduct	*-128.24*	
		For Work In Restricted Working Space, Add	*41.26*	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,174.61	95.91
		For 300 Lb. Rating, Add	*3,513.45*	
		For ASTM 120, Deduct	*-154.62*	
		For Work In Restricted Working Space, Add	*43.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,392.10	100.22
		For 300 Lb. Rating, Add	*4,231.31*	
		For ASTM 120, Deduct	*-186.28*	
		For Work In Restricted Working Space, Add	*45.08*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	44.80	26.56
		For 300 Lb. Rating, Add	*19.12*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	54.13	30.75
		For 300 Lb. Rating, Add	*30.34*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*13.81*	
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	67.50	36.26
		For 300 Lb. Rating, Add	*47.87*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	85.49	43.19
		For 300 Lb. Rating, Add	*74.67*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	103.07	51.45
		For 300 Lb. Rating, Add	*92.62*	
		For ASTM 120, Deduct	*-3.88*	
		For Work In Restricted Working Space, Add	*23.16*	
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	137.77	63.89
		For 300 Lb. Rating, Add	*148.75*	
		For ASTM 120, Deduct	*-6.31*	
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	222.46	69.39
		For 300 Lb. Rating, Add	*408.87*	
		For ASTM 120, Deduct	*-17.76*	
		For Work In Restricted Working Space, Add	*31.21*	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	264.81	83.99
		For 300 Lb. Rating, Add	*479.71*	
		For ASTM 120, Deduct	*-20.83*	
		For Work In Restricted Working Space, Add	*37.78*	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	494.99	111.05
		For 300 Lb. Rating, Add	*1,126.92*	
		For ASTM 120, Deduct	*-49.28*	
		For Work In Restricted Working Space, Add	*49.94*	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,230.33	131.84
		For 300 Lb. Rating, Add	*3,522.80*	
		For ASTM 120, Deduct	*-154.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,397.18	150.70
		For 300 Lb. Rating, Add	*3,995.77*	
		For ASTM 120, Deduct	*-175.69*	
		For Work In Restricted Working Space, Add	*67.78*	
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,662.78	178.94
		For 300 Lb. Rating, Add	*4,747.88*	
		For ASTM 120, Deduct	*-208.75*	
		For Work In Restricted Working Space, Add	*81.34*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	51.32	26.56
		For 300 Lb. Rating, Add	*41.29*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	57.30	30.75
		For 300 Lb. Rating, Add	*41.11*	
		For ASTM 120, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*13.81*	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	70.23	36.26
		For 300 Lb. Rating, Add	*57.15*	
		For ASTM 120, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	89.24	43.19
		For 300 Lb. Rating, Add	*87.42*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	107.54	51.45
		For 300 Lb. Rating, Add	*107.82*	
		For ASTM 120, Deduct	*-4.55*	
		For Work In Restricted Working Space, Add	*23.16*	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	140.02	63.89
		For 300 Lb. Rating, Add	*156.40*	
		For ASTM 120, Deduct	*-6.65*	
		For Work In Restricted Working Space, Add	*28.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	260.88	69.63
		For 300 Lb. Rating, Add	*538.40*	
		For ASTM 120, Deduct	*-23.48*	
		For Work In Restricted Working Space, Add	*31.31*	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	330.91	85.31
		For 300 Lb. Rating, Add	*697.81*	
		For ASTM 120, Deduct	*-30.45*	
		For Work In Restricted Working Space, Add	*38.38*	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	754.89	111.05
		For 300 Lb. Rating, Add	*2,010.58*	
		For ASTM 120, Deduct	*-88.26*	
		For Work In Restricted Working Space, Add	*49.94*	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,562.11	131.84
		For 300 Lb. Rating, Add	*4,650.86*	
		For ASTM 120, Deduct	*-204.66*	
		For Work In Restricted Working Space, Add	*59.31*	
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,773.96	150.70
		For 300 Lb. Rating, Add	*5,276.82*	
		For ASTM 120, Deduct	*-232.20*	
		For Work In Restricted Working Space, Add	*67.78*	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	2,126.34	173.05
		For 300 Lb. Rating, Add	*6,361.72*	
		For ASTM 120, Deduct	*-279.98*	
		For Work In Restricted Working Space, Add	*77.95*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	41.15	21.30
		For 300 Lb. Rating, Add	*33.33*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	46.36	23.81
		For 300 Lb. Rating, Add	*38.35*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*10.71*	
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	57.33	26.56
		For 300 Lb. Rating, Add	*61.72*	
		For ASTM 120, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	69.76	30.15
		For 300 Lb. Rating, Add	*86.42*	
		For ASTM 120, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	78.89	33.98
		For 300 Lb. Rating, Add	*98.19*	
		For ASTM 120, Deduct	*-4.20*	
		For Work In Restricted Working Space, Add	*15.27*	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	105.58	43.19
		For 300 Lb. Rating, Add	*142.97*	
		For ASTM 120, Deduct	*-6.14*	
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	220.94	63.89
		For 300 Lb. Rating, Add	*431.52*	
		For ASTM 120, Deduct	*-18.78*	
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	293.32	83.99
		For 300 Lb. Rating, Add	*576.65*	
		For ASTM 120, Deduct	*-25.11*	
		For Work In Restricted Working Space, Add	*37.78*	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	487.28	87.89
		For 300 Lb. Rating, Add	*1,216.54*	
		For ASTM 120, Deduct	*-53.32*	
		For Work In Restricted Working Space, Add	*39.54*	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,138.47	91.73
		For 300 Lb. Rating, Add	*3,411.45*	
		For ASTM 120, Deduct	*-150.14*	
		For Work In Restricted Working Space, Add	*41.26*	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,284.12	95.91
		For 300 Lb. Rating, Add	*3,885.78*	
		For ASTM 120, Deduct	*-171.05*	
		For Work In Restricted Working Space, Add	*43.13*	
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,524.60	100.22
		For 300 Lb. Rating, Add	*4,681.81*	
		For ASTM 120, Deduct	*-206.15*	
		For Work In Restricted Working Space, Add	*45.08*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	43.12	21.30
		For 300 Lb. Rating, Add	*40.03*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*9.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	47.70	23.81
		For 300 Lb. Rating, Add	*42.91*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*10.71*	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	59.86	26.56
		For 300 Lb. Rating, Add	*70.32*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	70.97	30.15
		For 300 Lb. Rating, Add	*90.53*	
		For ASTM 120, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*13.54*	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	84.23	33.98
		For 300 Lb. Rating, Add	*116.34*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*15.27*	
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	110.12	43.19
		For 300 Lb. Rating, Add	*158.41*	
		For ASTM 120, Deduct	*-6.82*	
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	222.53	63.89
		For 300 Lb. Rating, Add	*436.93*	
		For ASTM 120, Deduct	*-19.02*	
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	288.57	83.99
		For 300 Lb. Rating, Add	*560.50*	
		For ASTM 120, Deduct	*-24.39*	
		For Work In Restricted Working Space, Add	*37.78*	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	496.43	87.89
		For 300 Lb. Rating, Add	*1,247.65*	
		For ASTM 120, Deduct	*-54.69*	
		For Work In Restricted Working Space, Add	*39.54*	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,191.16	91.73
		For 300 Lb. Rating, Add	*3,590.59*	
		For ASTM 120, Deduct	*-158.04*	
		For Work In Restricted Working Space, Add	*41.26*	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,344.14	95.91
		For 300 Lb. Rating, Add	*4,089.85*	
		For ASTM 120, Deduct	*-180.05*	
		For Work In Restricted Working Space, Add	*43.13*	
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,597.47	100.22
		For 300 Lb. Rating, Add	*4,929.56*	
		For ASTM 120, Deduct	*-217.08*	
		For Work In Restricted Working Space, Add	*45.08*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	17.05	9.93
		For 300 Lb. Rating, Add	*8.00*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*4.49*	
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	18.84	10.65
		For 300 Lb. Rating, Add	*10.78*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.79*	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.00	12.32
		For 300 Lb. Rating, Add	*13.31*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	24.02	12.92
		For 300 Lb. Rating, Add	*17.21*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*5.79*	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	23.72	12.92
		For 300 Lb. Rating, Add	*16.19*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*5.79*	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	35.19	17.11
		For 300 Lb. Rating, Add	*33.71*	
		For ASTM 120, Deduct	*-1.42*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0143	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	53.14	21.30
		For 300 Lb. Rating, Add	*74.10*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0144	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Cap	68.82	25.73
		For 300 Lb. Rating, Add	*105.10*	
		For ASTM 120, Deduct	*-4.53*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0145	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	101.70	30.16
		For 300 Lb. Rating, Add	*194.85*	
		For ASTM 120, Deduct	*-8.48*	
		For Work In Restricted Working Space, Add	*13.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	244.09	37.73
		For 300 Lb. Rating, Add	*641.26*	
		For ASTM 120, Deduct	*-28.14*	
		For Work In Restricted Working Space, Add	*16.94*	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	303.74	44.85
		For 300 Lb. Rating, Add	*807.93*	
		For ASTM 120, Deduct	*-35.47*	
		For Work In Restricted Working Space, Add	*20.19*	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	381.55	50.11
		For 300 Lb. Rating, Add	*1,046.34*	
		For ASTM 120, Deduct	*-45.96*	
		For Work In Restricted Working Space, Add	*22.54*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	53.72	26.56
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	61.92	30.75
		For Work In Restricted Working Space, Add	*13.81*	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	75.20	36.26
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	94.77	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	113.66	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	137.64	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	286.95	94.16
		For Work In Restricted Working Space, Add	*42.39*	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	389.77	123.84
		For Work In Restricted Working Space, Add	*55.77*	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	68.02	26.56
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	71.58	30.75
		For Work In Restricted Working Space, Add	*13.81*	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	86.07	36.26
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	112.67	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	132.45	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	173.75	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	346.58	94.16
		For Work In Restricted Working Space, Add	*42.39*	
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	500.87	123.84
		For Work In Restricted Working Space, Add	*55.77*	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	688.63	129.68
		For Work In Restricted Working Space, Add	*58.37*	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	71.94	26.56
		For Work In Restricted Working Space, Add	*11.96*	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	80.79	30.75
		For Work In Restricted Working Space, Add	*13.81*	
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	100.49	36.26
		For Work In Restricted Working Space, Add	*16.31*	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	128.98	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	154.62	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	188.65	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	400.55	94.16
		For Work In Restricted Working Space, Add	*42.39*	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	624.37	123.84
		For Work In Restricted Working Space, Add	*55.77*	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,294.24	129.68
		For Work In Restricted Working Space, Add	*58.37*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	18.93	11.36
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	18.58	11.36
		For Schedule 80 Nipples, Add	*1.70*	
		For ASTM 120, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	18.90	11.36
		For Schedule 80 Nipples, Add	*2.06*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	20.90	12.32
		For Schedule 80 Nipples, Add	*2.84*	
		For ASTM 120, Deduct	*-0.37*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	23.28	13.28
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	23.85	13.28
		For Schedule 80 Nipples, Add	*4.46*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	31.25	17.11
		For Schedule 80 Nipples, Add	*6.29*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	48.33	21.30
		For Schedule 80 Nipples, Add	*18.72*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	58.27	25.73
		For Schedule 80 Nipples, Add	*22.44*	
		For ASTM 120, Deduct	*-2.95*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	74.68	30.16
		For Schedule 80 Nipples, Add	*33.62*	
		For ASTM 120, Deduct	*-4.42*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.21	11.36
		For Schedule 80 Nipples, Add	*2.42*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.66	11.36
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.06	11.36
		For Schedule 80 Nipples, Add	*2.25*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0190	EA	3/8"Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.21	11.36
		For Schedule 80 Nipples, Add	*2.42*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	18.66	11.36
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.06	11.36
		For Schedule 80 Nipples, Add	*2.25*	
		For ASTM 120, Deduct	*-0.30*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	21.34	12.32
		For Schedule 80 Nipples, Add	*3.34*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	23.52	13.28
		For Schedule 80 Nipples, Add	*4.08*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.14	13.28
		For Schedule 80 Nipples, Add	*4.79*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.91	11.36
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.93	11.36
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0198	EA	3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.27	11.36
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0199	EA	1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.59	12.32
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0200	EA	1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.87	13.28
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.62	13.28
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	31.94	17.11
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	19.91	11.36
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	18.93	11.36
		For Schedule 80 Nipples, Add	*2.10*	
		For ASTM 120, Deduct	*-0.28*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	19.27	11.36
		For Schedule 80 Nipples, Add	*2.49*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	21.59	12.32
		For Schedule 80 Nipples, Add	*3.63*	
		For ASTM 120, Deduct	*-0.48*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	23.87	13.28
		For Schedule 80 Nipples, Add	*4.48*	
		For ASTM 120, Deduct	*-0.59*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	24.62	13.28
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	31.94	17.11
		For Schedule 80 Nipples, Add	*7.08*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	48.96	21.30
		For Schedule 80 Nipples, Add	*19.44*	
		For ASTM 120, Deduct	*-2.56*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	60.98	25.73
		For Schedule 80 Nipples, Add	*25.52*	
		For ASTM 120, Deduct	*-3.36*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.44	11.36
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.37	11.36
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.91	11.36
		For Schedule 80 Nipples, Add	*3.21*	
		For ASTM 120, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.23	12.32
		For Schedule 80 Nipples, Add	*4.35*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.62	13.28
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.86	13.28
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	33.27	17.11
		For Schedule 80 Nipples, Add	*8.60*	
		For ASTM 120, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	51.70	21.30
		For Schedule 80 Nipples, Add	*22.56*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	64.86	25.73
		For Schedule 80 Nipples, Add	*29.95*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	20.44	11.36
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0222	EA	1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	19.37	11.36
		For Schedule 80 Nipples, Add	*2.60*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0223	EA	3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	20.44	11.36
		For Schedule 80 Nipples, Add	*3.82*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0224	EA	1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	22.23	12.32
		For Schedule 80 Nipples, Add	*4.35*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0225	EA	1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	24.62	13.28
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0226	EA	1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	25.86	13.28
		For Schedule 80 Nipples, Add	*6.75*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0227	EA	2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	33.33	17.11
		For Schedule 80 Nipples, Add	*8.66*	
		For ASTM 120, Deduct	*-1.14*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0228	EA	2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	51.70	21.30
		For Schedule 80 Nipples, Add	*22.56*	
		For ASTM 120, Deduct	*-2.97*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0229	EA	3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	64.86	25.73
		For Schedule 80 Nipples, Add	*29.95*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0230	EA	4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	80.45	30.16
		For Schedule 80 Nipples, Add	*40.20*	
		For ASTM 120, Deduct	*-5.29*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0231	EA	3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.71	11.36
		For Schedule 80 Nipples, Add	*5.27*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0232	EA	1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.83	11.36
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0233	EA	3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.46	11.36
		For Schedule 80 Nipples, Add	*3.84*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0234	EA	1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.09	12.32
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0235	EA	1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.73	13.28
		For Schedule 80 Nipples, Add	*6.60*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0236	EA	1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.09	13.28
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0237	EA	2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	35.35	17.11
		For Schedule 80 Nipples, Add	*10.97*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0238	EA	2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	53.97	21.30
		For Schedule 80 Nipples, Add	*25.15*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0239	EA	3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	69.20	25.73
		For Schedule 80 Nipples, Add	*34.90*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0240	EA	4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	84.73	30.16
		For Schedule 80 Nipples, Add	*45.08*	
		For ASTM 120, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0241	EA	3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	21.71	11.36
		For Schedule 80 Nipples, Add	*5.27*	
		For ASTM 120, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0242	EA	1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	19.83	11.36
		For Schedule 80 Nipples, Add	*3.12*	
		For ASTM 120, Deduct	*-0.41*	
		For Work In Restricted Working Space, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0243	EA	3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	20.46	11.36
		For Schedule 80 Nipples, Add	*3.84*	
		For ASTM 120, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0244	EA	1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	23.09	12.32
		For Schedule 80 Nipples, Add	*5.34*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0245	EA	1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	25.73	13.28
		For Schedule 80 Nipples, Add	*6.60*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0246	EA	1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	27.09	13.28
		For Schedule 80 Nipples, Add	*8.15*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0247	EA	2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	35.35	17.11
		For Schedule 80 Nipples, Add	*10.97*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0248	EA	2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	53.97	21.30
		For Schedule 80 Nipples, Add	*25.15*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0249	EA	3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	69.20	25.73
		For Schedule 80 Nipples, Add	*34.90*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0250	EA	4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	84.73	30.16
		For Schedule 80 Nipples, Add	*45.08*	
		For ASTM 120, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0251	EA	3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	22.22	11.36
		For Schedule 80 Nipples, Add	*5.85*	
		For ASTM 120, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0252	EA	1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	20.20	11.36
		For Schedule 80 Nipples, Add	*3.55*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0253	EA	3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	21.13	11.36
		For Schedule 80 Nipples, Add	*4.61*	
		For ASTM 120, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0254	EA	1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	23.72	12.32
		For Schedule 80 Nipples, Add	*6.05*	
		For ASTM 120, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0255	EA	1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	26.66	13.28
		For Schedule 80 Nipples, Add	*7.66*	
		For ASTM 120, Deduct	*-1.01*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0256	EA	1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	27.99	13.28
		For Schedule 80 Nipples, Add	*9.18*	
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0257	EA	2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	36.91	17.11
		For Schedule 80 Nipples, Add	*12.75*	
		For ASTM 120, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0258	EA	2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	56.16	21.30
		For Schedule 80 Nipples, Add	*27.65*	
		For ASTM 120, Deduct	*-3.64*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0259	EA	3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	70.97	25.73
		For Schedule 80 Nipples, Add	*36.91*	
		For ASTM 120, Deduct	*-4.86*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0260	EA	4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	88.90	30.16
		For Schedule 80 Nipples, Add	*49.83*	
		For ASTM 120, Deduct	*-6.56*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0261	EA	3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	37.60	11.36
		For Schedule 80 Nipples, Add	*23.38*	
		For ASTM 120, Deduct	*-3.08*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0262	EA	1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	22.57	11.36
		For Schedule 80 Nipples, Add	*6.25*	
		For ASTM 120, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0263	EA	3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	24.10	11.36
		For Schedule 80 Nipples, Add	*7.99*	
		For ASTM 120, Deduct	*-1.05*	
		For Work In Restricted Working Space, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA	1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	27.29	12.32
		For Schedule 80 Nipples, Add	*10.12*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0265	EA	1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	30.83	13.28
		For Schedule 80 Nipples, Add	*12.41*	
		For ASTM 120, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0266	EA	1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	32.43	13.28
		For Schedule 80 Nipples, Add	*14.24*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0267	EA	2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	43.95	17.11
		For Schedule 80 Nipples, Add	*20.77*	
		For ASTM 120, Deduct	*-2.73*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0268	EA	2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	63.12	21.30
		For Schedule 80 Nipples, Add	*35.58*	
		For ASTM 120, Deduct	*-4.68*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0269	EA	3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	82.21	25.73
		For Schedule 80 Nipples, Add	*49.73*	
		For ASTM 120, Deduct	*-6.54*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0270	EA	4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	97.35	30.16
		For Schedule 80 Nipples, Add	*59.46*	
		For ASTM 120, Deduct	*-7.82*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0271	EA	3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	26.87	11.36
		For Schedule 80 Nipples, Add	*11.15*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0272	EA	1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	23.60	11.36
		For Schedule 80 Nipples, Add	*7.42*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0273	EA	3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	24.87	11.36
		For Schedule 80 Nipples, Add	*8.87*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0274	EA	1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	28.56	12.32
		For Schedule 80 Nipples, Add	*11.57*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*5.52*	
22 11 16 00-0275	EA	1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	32.96	13.28
		For Schedule 80 Nipples, Add	*14.84*	
		For ASTM 120, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0276	EA	1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	34.50	13.28
		For Schedule 80 Nipples, Add	*16.60*	
		For ASTM 120, Deduct	*-2.18*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0277	EA	2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	47.04	17.11
		For Schedule 80 Nipples, Add	*24.29*	
		For ASTM 120, Deduct	*-3.20*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0278	EA	2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	67.48	21.30
		For Schedule 80 Nipples, Add	*40.55*	
		For ASTM 120, Deduct	*-5.34*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0279	EA	3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	88.35	25.73
		For Schedule 80 Nipples, Add	*56.73*	
		For ASTM 120, Deduct	*-7.46*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0280	EA	4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	105.64	30.16
		For Schedule 80 Nipples, Add	*68.91*	
		For ASTM 120, Deduct	*-9.07*	
		For Work In Restricted Working Space, Add	*13.56*	
22 11 16 00-0281	EA	3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	27.93	11.36
		For Schedule 80 Nipples, Add	*12.36*	
		For ASTM 120, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	24.50	11.36
		For Schedule 80 Nipples, Add	*8.45*	
		For ASTM 120, Deduct	*-1.11*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	25.81	11.36
		For Schedule 80 Nipples, Add	*9.94*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	30.23	12.32
		For Schedule 80 Nipples, Add	*13.47*	
		For ASTM 120, Deduct	*-1.77*	
		For Work In Restricted Working Space, Add	*5.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	35.57	13.28
		For Schedule 80 Nipples, Add	*17.82*	
		For ASTM 120, Deduct	*-2.34*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	36.60	13.28
		For Schedule 80 Nipples, Add	*18.99*	
		For ASTM 120, Deduct	*-2.50*	
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	50.18	17.11
		For Schedule 80 Nipples, Add	*27.87*	
		For ASTM 120, Deduct	*-3.67*	
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	71.71	21.30
		For Schedule 80 Nipples, Add	*45.37*	
		For ASTM 120, Deduct	*-5.97*	
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	94.54	25.73
		For Schedule 80 Nipples, Add	*63.78*	
		For ASTM 120, Deduct	*-8.39*	
		For Work In Restricted Working Space, Add	*11.58*	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	114.01	30.16
		For Schedule 80 Nipples, Add	*78.45*	
		For ASTM 120, Deduct	*-10.32*	
		For Work In Restricted Working Space, Add	*13.56*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0844 for dielectric unions.

22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.02	11.36
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.46	11.36
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.87	11.36
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	22.34	11.36
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	23.86	11.36
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.77	11.36
		For Work In Restricted Working Space, Add	*5.13*	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.02	12.32
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	24.50	12.32
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	31.86	12.32
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	34.50	13.28
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	38.55	13.28
		For Work In Restricted Working Space, Add	*5.99*	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	51.56	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	61.33	21.30
		For Work In Restricted Working Space, Add	*9.59*	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	97.83	25.73
		For Work In Restricted Working Space, Add	*11.59*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	19.96	8.50
		For 300 Lb. Rating, Add	*25.25*	
		For Work In Restricted Working Space, Add	*3.83*	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	21.48	9.57
		For 300 Lb. Rating, Add	*25.34*	
		For Work In Restricted Working Space, Add	*4.28*	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	23.84	10.65
		For 300 Lb. Rating, Add	*27.82*	
		For Work In Restricted Working Space, Add	*4.78*	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	30.21	12.09
		For 300 Lb. Rating, Add	*42.39*	
		For Work In Restricted Working Space, Add	*5.42*	
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	36.72	13.52
		For 300 Lb. Rating, Add	*56.85*	
		For Work In Restricted Working Space, Add	*6.11*	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	46.67	17.23
		For 300 Lb. Rating, Add	*72.27*	
		For Work In Restricted Working Space, Add	*7.76*	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	78.86	25.49
		For 300 Lb. Rating, Add	*140.24*	
		For Work In Restricted Working Space, Add	*11.49*	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	107.94	33.62
		For 300 Lb. Rating, Add	*198.73*	
		For Work In Restricted Working Space, Add	*15.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0315	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	172.22	35.13
		For 300 Lb. Rating, Add	*409.46*	
		For Work In Restricted Working Space, Add	*15.82*	
22 11 16 00-0316	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	274.26	36.71
		For 300 Lb. Rating, Add	*748.72*	
		For Work In Restricted Working Space, Add	*16.51*	
22 11 16 00-0317	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	294.54	38.29
		For 300 Lb. Rating, Add	*809.32*	
		For Work In Restricted Working Space, Add	*17.26*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	43.00	22.50
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0320	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	46.89	23.93
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0321	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	48.22	25.24
		For Work In Restricted Working Space, Add	*11.34*	
22 11 16 00-0322	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	53.92	25.73
		For Work In Restricted Working Space, Add	*11.56*	
22 11 16 00-0323	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	54.42	26.92
		For Work In Restricted Working Space, Add	*12.13*	
22 11 16 00-0324	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	56.51	28.35
		For Work In Restricted Working Space, Add	*12.75*	
22 11 16 00-0325	EA	1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	61.76	27.64
		For Work In Restricted Working Space, Add	*12.42*	
22 11 16 00-0326	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	63.66	28.84
		For Work In Restricted Working Space, Add	*12.99*	
22 11 16 00-0327	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	63.75	30.27
		For Work In Restricted Working Space, Add	*13.62*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	64.95	32.07
		For Work In Restricted Working Space, Add	*14.41*	
22 11 16 00-0329	EA	2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	73.70	32.18
		For Work In Restricted Working Space, Add	*14.49*	
22 11 16 00-0330	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	73.84	33.50
		For Work In Restricted Working Space, Add	*15.06*	
22 11 16 00-0331	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	74.63	34.82
		For Work In Restricted Working Space, Add	*15.68*	
22 11 16 00-0332	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	77.27	36.61
		For Work In Restricted Working Space, Add	*16.47*	
22 11 16 00-0333	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	77.40	38.52
		For Work In Restricted Working Space, Add	*17.34*	
22 11 16 00-0334	EA	2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	102.49	43.79
		For Work In Restricted Working Space, Add	*19.72*	
22 11 16 00-0335	EA	2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	104.57	45.23
		For Work In Restricted Working Space, Add	*20.34*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	107.21	46.91
		For Work In Restricted Working Space, Add	*21.13*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	109.41	48.94
		For Work In Restricted Working Space, Add	*22.00*	
22 11 16 00-0338	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	112.18	53.48
		For Work In Restricted Working Space, Add	*24.06*	
22 11 16 00-0339	EA	3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	129.38	53.84
		For Work In Restricted Working Space, Add	*24.25*	
22 11 16 00-0340	EA	3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	131.45	55.28
		For Work In Restricted Working Space, Add	*24.87*	
22 11 16 00-0341	EA	3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	134.09	57.07
		For Work In Restricted Working Space, Add	*25.67*	
22 11 16 00-0342	EA	3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	136.02	58.98
		For Work In Restricted Working Space, Add	*26.53*	
22 11 16 00-0343	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	138.46	63.53
		For Work In Restricted Working Space, Add	*28.59*	
22 11 16 00-0344	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	156.47	73.94
		For Work In Restricted Working Space, Add	*33.25*	
22 11 16 00-0345	EA	4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	184.51	55.13
		For Work In Restricted Working Space, Add	*24.83*	
22 11 16 00-0346	EA	4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	186.47	56.48
		For Work In Restricted Working Space, Add	*25.42*	
22 11 16 00-0347	EA	4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	188.95	58.18
		For Work In Restricted Working Space, Add	*26.16*	
22 11 16 00-0348	EA	4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	191.68	59.99
		For Work In Restricted Working Space, Add	*26.98*	
22 11 16 00-0349	EA	4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	186.18	64.28
		For Work In Restricted Working Space, Add	*28.93*	
22 11 16 00-0350	EA	4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	212.83	74.11
		For Work In Restricted Working Space, Add	*33.33*	
22 11 16 00-0351	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	220.37	83.60
		For Work In Restricted Working Space, Add	*37.61*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	73.64	43.72
22 11 16 00-0354	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	80.49	47.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	92.42	54.08
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	96.05	56.00
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	104.53	60.90
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	112.52	63.53

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	139.67	47.86
		For Work In Restricted Working Space, Add	*21.54*	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange	133.67	54.08
		For Work In Restricted Working Space, Add	*24.33*	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	111.73	56.00
		For Work In Restricted Working Space, Add	*25.19*	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	132.36	60.90
		For Work In Restricted Working Space, Add	*27.40*	
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange	149.60	63.53
		For Work In Restricted Working Space, Add	*28.60*	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	173.76	73.58
		For Work In Restricted Working Space, Add	*33.08*	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange	311.40	93.32
		For Work In Restricted Working Space, Add	*41.97*	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange	414.29	120.54
		For Work In Restricted Working Space, Add	*54.21*	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange	581.82	143.47
		For Work In Restricted Working Space, Add	*64.54*	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange	639.07	164.83
		For Work In Restricted Working Space, Add	*74.14*	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange	588.86	188.38
		For Work In Restricted Working Space, Add	*84.73*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	38.98	
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	42.88	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	46.78	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	50.68	
		For Work In Restricted Working Space, Add	*15.20*	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	53.27	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	55.87	
		For Work In Restricted Working Space, Add	*16.76*	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	58.48	
		For Work In Restricted Working Space, Add	*17.54*	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	61.07	
		For Work In Restricted Working Space, Add	*18.32*	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	63.67	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	68.87	
		For Work In Restricted Working Space, Add	*20.66*	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	74.06	
		For Work In Restricted Working Space, Add	*22.22*	

22 11 16 00-0383 Galvanized Malleable Iron Welded Plain End Half Coupling *(22 11 16 00-0013)*

Note: Threaded Female x Butt Weld Straight Adapter

22 11 16 00-0384	EA	1/2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	67.65	43.41
		For 300 Lb. Rating, Add	*12.51*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*19.54*	
22 11 16 00-0385	EA	3/4" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	79.31	50.45
		For 300 Lb. Rating, Add	*16.92*	
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*22.70*	
22 11 16 00-0386	EA	1" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	85.88	53.97
		For 300 Lb. Rating, Add	*21.82*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*24.27*	
22 11 16 00-0387	EA	1-1/4" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	101.08	61.37
		For 300 Lb. Rating, Add	*36.23*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*27.62*	
22 11 16 00-0388	EA	1-1/2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	112.42	66.94
		For 300 Lb. Rating, Add	*46.86*	
		For ASTM 120, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*30.12*	
22 11 16 00-0389	EA	2" Diameter, 3,000 Lb., Galvanzied Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	145.92	86.59
		For 300 Lb. Rating, Add	*62.70*	
		For ASTM 120, Deduct	*-2.42*	
		For Work In Restricted Working Space, Add	*38.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0390		**Copper Pipe And Fittings** *(22 11 16)* Note: Excludes hangers. See CSI section 22 11 16 00-0921 for pipe with fittings assembly.		
22 11 16 00-0391		**Copper Tube/Pipe** *(22 11 16 00-0390)* Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0392		**Hard Drawn Type L Copper Tube/Pipe** *(22 11 16 00-0391)*		
22 11 16 00-0393	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	6.05	2.93
		For Medical/Oxygen Service Tubing, Add	*0.13*	
		For Up To 20, Add	*0.65*	
		For >200, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.31*	
22 11 16 00-0394	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe	7.01	3.04
		For Medical/Oxygen Service Tubing, Add	*0.20*	
		For Up To 20, Add	*0.76*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0395	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	7.66	3.17
		For Medical/Oxygen Service Tubing, Add	*0.23*	
		For Up To 20, Add	*0.84*	
		For >200, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0396	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	9.77	3.36
		For Medical/Oxygen Service Tubing, Add	*0.38*	
		For Up To 20, Add	*1.10*	
		For >200, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.52*	
22 11 16 00-0397	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe	12.50	3.78
		For Medical/Oxygen Service Tubing, Add	*0.55*	
		For Up To 20, Add	*1.42*	
		For >200, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0398	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	17.84	5.62
		For Medical/Oxygen Service Tubing, Add	*0.75*	
		For Up To 20, Add	*2.02*	
		For >200, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*2.53*	
22 11 16 00-0399	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	21.52	6.28
		For Medical/Oxygen Service Tubing, Add	*0.97*	
		For Up To 20, Add	*2.45*	
		For >200, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0400	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe	30.75	7.75
		For Medical/Oxygen Service Tubing, Add	*1.53*	
		For Up To 20, Add	*3.55*	
		For >200, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*3.48*	
22 11 16 00-0401	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	55.01	9.11
		For Medical/Oxygen Service Tubing, Add	*2.21*	
		For Up To 20, Add	*6.19*	
		For >200, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*8.21*	
22 11 16 00-0402	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe	69.07	10.73
		For Medical/Oxygen Service Tubing, Add	*2.95*	
		For Up To 20, Add	*7.83*	
		For >200, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*9.65*	
22 11 16 00-0403	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe	102.05	12.11
		For Medical/Oxygen Service Tubing, Add	*5.26*	
		For Up To 20, Add	*11.85*	
		For >200, Deduct	*-6.58*	
		For Work In Restricted Working Space, Add	*10.89*	
22 11 16 00-0404	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe	157.84	13.90
		For Medical/Oxygen Service Tubing, Add	*9.29*	
		For Up To 20, Add	*18.69*	
		For >200, Deduct	*-11.61*	
		For Work In Restricted Working Space, Add	*12.51*	
22 11 16 00-0405	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe	217.40	21.55
		For Medical/Oxygen Service Tubing, Add	*12.22*	
		For Up To 20, Add	*25.56*	
		For >200, Deduct	*-15.28*	
		For Work In Restricted Working Space, Add	*19.38*	
22 11 16 00-0406	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe	359.78	23.96
		For Medical/Oxygen Service Tubing, Add	*23.04*	
		For Up To 20, Add	*43.18*	
		For >200, Deduct	*-28.80*	
		For Work In Restricted Working Space, Add	*21.55*	
22 11 16 00-0407		**Hard Drawn Type K Copper Tube/Pipe** *(22 11 16 00-0391)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0408	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	6.58	3.15
		For Medical/Oxygen Service Tubing, Add	*0.15*	
		For Up To 20, Add	*0.70*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.41*	
22 11 16 00-0409	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	8.74	3.27
		For Medical/Oxygen Service Tubing, Add	*0.27*	
		For Up To 20, Add	*0.96*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.61*	
22 11 16 00-0410	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	9.20	3.40
		For Medical/Oxygen Service Tubing, Add	*0.32*	
		For Up To 20, Add	*1.02*	
		For >200, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.58*	
22 11 16 00-0411	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	13.20	3.61
		For Medical/Oxygen Service Tubing, Add	*0.57*	
		For Up To 20, Add	*1.50*	
		For >200, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.82*	
22 11 16 00-0412	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	15.93	4.06
		For Medical/Oxygen Service Tubing, Add	*0.76*	
		For Up To 20, Add	*1.83*	
		For >200, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*1.94*	
22 11 16 00-0413	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	20.95	6.05
		For Medical/Oxygen Service Tubing, Add	*0.94*	
		For Up To 20, Add	*2.39*	
		For >200, Deduct	*-1.18*	
		For Work In Restricted Working Space, Add	*2.75*	
22 11 16 00-0414	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	25.39	6.74
		For Medical/Oxygen Service Tubing, Add	*1.21*	
		For Up To 20, Add	*2.92*	
		For >200, Deduct	*-1.51*	
		For Work In Restricted Working Space, Add	*3.09*	
22 11 16 00-0415	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	35.81	8.33
		For Medical/Oxygen Service Tubing, Add	*1.85*	
		For Up To 20, Add	*4.16*	
		For >200, Deduct	*-2.32*	
		For Work In Restricted Working Space, Add	*3.79*	
22 11 16 00-0416	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	62.01	9.78
		For Medical/Oxygen Service Tubing, Add	*2.76*	
		For Up To 20, Add	*7.06*	
		For >200, Deduct	*-3.45*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0417	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	82.62	11.54
		For Medical/Oxygen Service Tubing, Add	*3.78*	
		For Up To 20, Add	*9.44*	
		For >200, Deduct	*-4.72*	
		For Work In Restricted Working Space, Add	*10.62*	
22 11 16 00-0418	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	124.27	13.01
		For Medical/Oxygen Service Tubing, Add	*6.73*	
		For Up To 20, Add	*14.53*	
		For >200, Deduct	*-8.42*	
		For Work In Restricted Working Space, Add	*12.03*	
22 11 16 00-0419	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	201.57	14.95
		For Medical/Oxygen Service Tubing, Add	*12.34*	
		For Up To 20, Add	*24.01*	
		For >200, Deduct	*-15.42*	
		For Work In Restricted Working Space, Add	*14.21*	
22 11 16 00-0420	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	297.61	23.16
		For Medical/Oxygen Service Tubing, Add	*17.70*	
		For Up To 20, Add	*35.29*	
		For >200, Deduct	*-22.13*	
		For Work In Restricted Working Space, Add	*22.90*	
22 11 16 00-0421	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	498.46	25.75
		For Medical/Oxygen Service Tubing, Add	*33.15*	
		For Up To 20, Add	*60.20*	
		For >200, Deduct	*-41.44*	
		For Work In Restricted Working Space, Add	*25.23*	

22 11 16 00-0422 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0391)*

22 11 16 00-0423	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	5.85	2.74
		For Up To 20, Add	*0.63*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.19*	
22 11 16 00-0424	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	6.22	2.86
		For Up To 20, Add	*0.68*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.22*	
22 11 16 00-0425	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	7.81	3.03
		For Up To 20, Add	*0.87*	
		For >200, Deduct	*-0.35*	
		For Work In Restricted Working Space, Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0426	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	10.18	3.40
		For Up To 20, Add	*1.15*	
		For >200, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*1.46*	
22 11 16 00-0427	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	15.23	5.07
		For Up To 20, Add	*1.72*	
		For >200, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-0428	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	19.28	5.65
		For Up To 20, Add	*2.20*	
		For >200, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*2.57*	
22 11 16 00-0429	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	27.49	6.96
		For Up To 20, Add	*3.17*	
		For >200, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*3.19*	
22 11 16 00-0430	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	50.28	8.19
		For Up To 20, Add	*5.64*	
		For >200, Deduct	*-2.44*	
		For Work In Restricted Working Space, Add	*7.75*	
22 11 16 00-0431	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	61.53	9.65
		For Up To 20, Add	*6.97*	
		For >200, Deduct	*-3.25*	
		For Work In Restricted Working Space, Add	*8.71*	
22 11 16 00-0432	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	94.74	10.90
		For Up To 20, Add	*11.00*	
		For >200, Deduct	*-6.09*	
		For Work In Restricted Working Space, Add	*10.16*	
22 11 16 00-0433	LF	5" Diameter, Hard Drawn Type M Copper Tube/Pipe	157.27	12.51
		For Up To 20, Add	*18.68*	
		For >200, Deduct	*-11.82*	
		For Work In Restricted Working Space, Add	*11.73*	
22 11 16 00-0434	LF	6" Diameter, Hard Drawn Type M Copper Tube/Pipe	218.43	19.40
		For Up To 20, Add	*25.79*	
		For >200, Deduct	*-15.79*	
		For Work In Restricted Working Space, Add	*18.17*	
22 11 16 00-0435	LF	8" Diameter, Hard Drawn Type M Copper Tube/Pipe	365.78	21.56
		For Up To 20, Add	*44.06*	
		For >200, Deduct	*-29.92*	
		For Work In Restricted Working Space, Add	*19.98*	

22 11 16 00-0436 Soft Drawn Type L Copper Tube *(22 11 16 00-0391)*

22 11 16 00-0437	LF	1/4" Diameter, Soft Drawn Type L Copper Tube	6.53	2.93
		For Up To 20, Add	*0.71*	
		For >200, Deduct	*-0.22*	
		For Work In Restricted Working Space, Add	*1.31*	
22 11 16 00-0438	LF	3/8" Diameter, Soft Drawn Type L Copper Tube	7.91	3.04
		For Up To 20, Add	*0.87*	
		For >200, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0439	LF	1/2" Diameter, Soft Drawn Type L Copper Tube	9.24	3.17
		For Up To 20, Add	*1.04*	
		For >200, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0440	LF	5/8" Diameter, Soft Drawn Type L Copper Tube	10.64	3.27
		For Up To 20, Add	*1.21*	
		For >200, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0441	LF	3/4" Diameter, Soft Drawn Type L Copper Tube	11.90	3.36
		For Up To 20, Add	*1.36*	
		For >200, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*1.52*	
22 11 16 00-0442	LF	1" Diameter, Soft Drawn Type L Copper Tube	15.16	3.78
		For Up To 20, Add	*1.75*	
		For >200, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0443	LF	1-1/4" Diameter, Soft Drawn Type L Copper Tube	20.92	5.62
		For Up To 20, Add	*2.40*	
		For >200, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*2.53*	
22 11 16 00-0444	LF	1-1/2" Diameter, Soft Drawn Type L Copper Tube	26.34	6.28
		For Up To 20, Add	*3.06*	
		For >200, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0445	LF	2" Diameter, Soft Drawn Type L Copper Tube	38.52	7.75
		For Up To 20, Add	*4.53*	
		For >200, Deduct	*-2.69*	
		For Work In Restricted Working Space, Add	*3.48*	

22 11 16 00-0446 Soft Drawn Type K Copper Tube *(22 11 16 00-0391)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447	LF	1/4" Diameter, Soft Drawn Type K Copper Tube	6.74	2.93
		For Up To 20, Add	*0.73*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.31*	
22 11 16 00-0448	LF	3/8" Diameter, Soft Drawn Type K Copper Tube	8.60	3.04
		For Up To 20, Add	*0.96*	
		For >200, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.37*	
22 11 16 00-0449	LF	1/2" Diameter, Soft Drawn Type K Copper Tube	9.81	3.17
		For Up To 20, Add	*1.11*	
		For >200, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0450	LF	5/8" Diameter, Soft Drawn Type K Copper Tube	10.92	3.27
		For Up To 20, Add	*1.24*	
		For >200, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.47*	
22 11 16 00-0451	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	14.40	3.36
		For Up To 20, Add	*1.67*	
		For >200, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*1.52*	
22 11 16 00-0452	LF	1" Diameter, Soft Drawn Type K Copper Tube	18.08	3.78
		For Up To 20, Add	*2.12*	
		For >200, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0453	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	23.06	5.62
		For Up To 20, Add	*2.67*	
		For >200, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*2.53*	
22 11 16 00-0454	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	29.74	6.28
		For Up To 20, Add	*3.48*	
		For >200, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0455	LF	2" Diameter, Soft Drawn Type K Copper Tube	43.19	7.75
		For Up To 20, Add	*5.11*	
		For >200, Deduct	*-3.16*	
		For Work In Restricted Working Space, Add	*3.48*	
22 11 16 00-0456	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	61.30	9.29
		For Up To 20, Add	*7.31*	
		For >200, Deduct	*-4.74*	
		For Work In Restricted Working Space, Add	*4.18*	
22 11 16 00-0457	LF	3" Diameter, Soft Drawn Type K Copper Tube	82.35	10.96
		For Up To 20, Add	*9.88*	
		For >200, Deduct	*-6.59*	
		For Work In Restricted Working Space, Add	*4.93*	

22 11 16 00-0458 Copper And Brass Fittings *(22 11 16 00-0390)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0459 90 Degree Copper Elbows *(22 11 16 00-0458)*

22 11 16 00-0460	EA	1/4" Diameter, 90 Degree Copper Elbow	29.44	17.34
		For Silver Solder Instead Of 95/5 Solder, Add	*4.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.90*	
		For Street Fitting, Add	*1.38*	
		For Work In Restricted Working Space, Add	*7.80*	
22 11 16 00-0461	EA	3/8" Diameter, 90 Degree Copper Elbow	34.84	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*4.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Street Fitting, Add	*1.46*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0462	EA	1/2" Diameter, 90 Degree Copper Elbow	44.06	28.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Street Fitting, Add	*0.47*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0463	EA	3/4" Diameter, 90 Degree Copper Elbow	55.93	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*8.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Street Fitting, Add	*1.06*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0464	EA	1" Diameter, 90 Degree Copper Elbow	70.18	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*9.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Street Fitting, Add	*2.60*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0465	EA	1-1/4" Diameter, 90 Degree Copper Elbow	78.60	46.00
		For Silver Solder Instead Of 95/5 Solder, Add	*10.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.33*	
		For Street Fitting, Add	*3.89*	
		For Work In Restricted Working Space, Add	*20.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0466	EA	1-1/2" Diameter, 90 Degree Copper Elbow	90.60	50.29
		For Silver Solder Instead Of 95/5 Solder, Add	*12.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.31*	
		For Street Fitting, Add	*6.09*	
		For Work In Restricted Working Space, Add	*22.61*	
22 11 16 00-0467	EA	2" Diameter, 90 Degree Copper Elbow	112.22	56.39
		For Silver Solder Instead Of 95/5 Solder, Add	*14.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.67*	
		For Street Fitting, Add	*11.10*	
		For Work In Restricted Working Space, Add	*25.34*	
22 11 16 00-0468	EA	2-1/2" Diameter, 90 Degree Copper Elbow	149.12	57.43
		For Silver Solder Instead Of 95/5 Solder, Add	*16.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.92*	
		For Work In Restricted Working Space, Add	*25.84*	
22 11 16 00-0469	EA	3" Diameter, 90 Degree Copper Elbow	191.71	68.68
		For Silver Solder Instead Of 95/5 Solder, Add	*19.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
22 11 16 00-0470	EA	4" Diameter, 90 Degree Copper Elbow	361.48	97.40
		For Silver Solder Instead Of 95/5 Solder, Add	*32.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.90*	
		For Work In Restricted Working Space, Add	*43.79*	
22 11 16 00-0471	EA	5" Diameter, 90 Degree Copper Elbow	1,102.64	133.29
		For Silver Solder Instead Of 95/5 Solder, Add	*75.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-65.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.97*	
		For Work In Restricted Working Space, Add	*59.94*	
22 11 16 00-0472	EA	6" Diameter, 90 Degree Copper Elbow	1,494.30	193.95
		For Silver Solder Instead Of 95/5 Solder, Add	*103.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-89.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*43.61*	
		For Work In Restricted Working Space, Add	*87.22*	
22 11 16 00-0473	EA	8" Diameter, 90 Degree Copper Elbow	4,840.20	258.56
		For Silver Solder Instead Of 95/5 Solder, Add	*280.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-261.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*58.15*	
		For Work In Restricted Working Space, Add	*116.30*	
22 11 16 00-0474		90 Degree Brass Elbows *(22 11 16 00-0458)*		
22 11 16 00-0475	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow	50.31	28.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0476	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow	74.94	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*9.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0477	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow	56.43	28.58
		For Silver Solder Instead Of 95/5 Solder, Add	*7.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0478	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	42.31	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*5.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.68*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0479	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	50.84	28.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0480	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	67.28	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*8.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0481	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	108.40	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*11.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0482		Reducing 90 Degree Copper Elbows *(22 11 16 00-0458)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0483	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow	52.48	28.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0484	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow	60.08	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*8.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0485	EA	1" Diameter, Reducing 90 Degree Copper Elbow	76.17	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*10.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0486	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow	100.71	46.00
		For Silver Solder Instead Of 95/5 Solder, Add	*11.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.33*	
		For Work In Restricted Working Space, Add	*20.66*	
22 11 16 00-0487	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow	117.20	50.29
		For Silver Solder Instead Of 95/5 Solder, Add	*13.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.31*	
		For Work In Restricted Working Space, Add	*22.61*	
22 11 16 00-0488	EA	2" Diameter, Reducing 90 Degree Copper Elbow	140.76	56.39
		For Silver Solder Instead Of 95/5 Solder, Add	*15.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.67*	
		For Work In Restricted Working Space, Add	*25.34*	

22 11 16 00-0489 45 Degree Copper Elbows *(22 11 16 00-0458)*

22 11 16 00-0490	EA	1/4" Diameter, 45 Degree Copper Elbow	32.44	17.34
		For Silver Solder Instead Of 95/5 Solder, Add	*4.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.90*	
		For Street Fitting, Add	*2.58*	
		For Work In Restricted Working Space, Add	*7.80*	
22 11 16 00-0491	EA	3/8" Diameter, 45 Degree Copper Elbow	36.72	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*4.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Street Fitting, Add	*2.21*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0492	EA	1/2" Diameter, 45 Degree Copper Elbow	45.05	28.58
		For Silver Solder Instead Of 95/5 Solder, Add	*6.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.43*	
		For Street Fitting, Add	*0.87*	
		For Work In Restricted Working Space, Add	*12.86*	
22 11 16 00-0493	EA	3/4" Diameter, 45 Degree Copper Elbow	56.99	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*8.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Street Fitting, Add	*1.49*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0494	EA	1" Diameter, 45 Degree Copper Elbow	72.94	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*10.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Street Fitting, Add	*3.71*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0495	EA	1-1/4" Diameter, 45 Degree Copper Elbow	81.43	46.00
		For Silver Solder Instead Of 95/5 Solder, Add	*10.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.33*	
		For Street Fitting, Add	*5.02*	
		For Work In Restricted Working Space, Add	*20.66*	
22 11 16 00-0496	EA	1-1/2" Diameter, 45 Degree Copper Elbow	90.79	50.29
		For Silver Solder Instead Of 95/5 Solder, Add	*12.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.31*	
		For Street Fitting, Add	*6.17*	
		For Work In Restricted Working Space, Add	*22.61*	
22 11 16 00-0497	EA	2" Diameter, 45 Degree Copper Elbow	110.18	56.39
		For Silver Solder Instead Of 95/5 Solder, Add	*13.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.67*	
		For Work In Restricted Working Space, Add	*25.34*	
22 11 16 00-0498	EA	2-1/2" Diameter, 45 Degree Copper Elbow	148.36	57.43
		For Silver Solder Instead Of 95/5 Solder, Add	*16.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.92*	
		For Work In Restricted Working Space, Add	*25.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0499	EA	3" Diameter, 45 Degree Copper Elbow	195.21	68.68
		For Silver Solder Instead Of 95/5 Solder, Add	*20.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
22 11 16 00-0500	EA	4" Diameter, 45 Degree Copper Elbow	342.83	97.40
		For Silver Solder Instead Of 95/5 Solder, Add	*31.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.90*	
		For Work In Restricted Working Space, Add	*43.79*	
22 11 16 00-0501	EA	5" Diameter, 45 Degree Copper Elbow	962.21	133.29
		For Silver Solder Instead Of 95/5 Solder, Add	*68.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-58.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*29.97*	
		For Work In Restricted Working Space, Add	*59.94*	
22 11 16 00-0502	EA	6" Diameter, 45 Degree Copper Elbow	1,492.24	193.95
		For Silver Solder Instead Of 95/5 Solder, Add	*103.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-89.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*43.61*	
		For Work In Restricted Working Space, Add	*87.22*	
22 11 16 00-0503	EA	8" Diameter, 45 Degree Copper Elbow	4,470.30	258.56
		For Silver Solder Instead Of 95/5 Solder, Add	*262.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-242.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*58.15*	
		For Work In Restricted Working Space, Add	*116.30*	
22 11 16 00-0504		**Straight Copper And Brass Tees** *(22 11 16 00-0458)*		
22 11 16 00-0505	EA	1/4" Diameter, Straight Copper Tee	46.22	25.99
		For Silver Solder Instead Of 95/5 Solder, Add	*6.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.85*	
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0506	EA	3/8" Diameter, Straight Copper Tee	52.60	31.19
		For Silver Solder Instead Of 95/5 Solder, Add	*7.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.02*	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0507	EA	1/2" Diameter, Straight Copper Tee	67.01	43.40
		For Silver Solder Instead Of 95/5 Solder, Add	*9.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.75*	
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0508	EA	3/4" Diameter, Straight Copper Tee	85.43	53.80
		For Silver Solder Instead Of 95/5 Solder, Add	*12.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.08*	
		For Work In Restricted Working Space, Add	*24.17*	
22 11 16 00-0509	EA	1" Diameter, Straight Copper Tee	110.80	64.19
		For Silver Solder Instead Of 95/5 Solder, Add	*15.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.42*	
		For Work In Restricted Working Space, Add	*28.85*	
22 11 16 00-0510	EA	1-1/4" Diameter, Straight Copper Tee	124.34	69.39
		For Silver Solder Instead Of 95/5 Solder, Add	*16.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.59*	
		For Work In Restricted Working Space, Add	*31.19*	
22 11 16 00-0511	EA	1-1/2" Diameter, Straight Copper Tee	143.90	75.37
		For Silver Solder Instead Of 95/5 Solder, Add	*18.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.96*	
		For Work In Restricted Working Space, Add	*33.92*	
22 11 16 00-0512	EA	2" Diameter, Straight Copper Tee	176.39	84.98
		For Silver Solder Instead Of 95/5 Solder, Add	*21.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.10*	
		For Work In Restricted Working Space, Add	*38.21*	
22 11 16 00-0513	EA	2-1/2" Diameter, Straight Copper Tee	241.48	86.14
		For Silver Solder Instead Of 95/5 Solder, Add	*25.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.38*	
		For Work In Restricted Working Space, Add	*38.76*	
22 11 16 00-0514	EA	3" Diameter, Straight Copper Tee	327.05	103.74
		For Silver Solder Instead Of 95/5 Solder, Add	*31.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.33*	
		For Work In Restricted Working Space, Add	*46.66*	
22 11 16 00-0515	EA	4" Diameter, Straight Copper Tee	632.86	145.25
		For Silver Solder Instead Of 95/5 Solder, Add	*53.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.66*	
		For Work In Restricted Working Space, Add	*65.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0516	EA	5" Diameter, Straight Copper Tee	1,654.91	198.73
		For Silver Solder Instead Of 95/5 Solder, Add	*112.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-97.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*44.69*	
		For Work In Restricted Working Space, Add	*89.37*	
22 11 16 00-0517	EA	6" Diameter, Straight Copper Tee	2,291.71	291.34
		For Silver Solder Instead Of 95/5 Solder, Add	*158.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-136.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*65.51*	
		For Work In Restricted Working Space, Add	*131.01*	
22 11 16 00-0518	EA	8" Diameter, Straight Copper Tee	7,737.06	387.89
		For Silver Solder Instead Of 95/5 Solder, Add	*445.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-415.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*87.22*	
		For Work In Restricted Working Space, Add	*174.44*	
22 11 16 00-0519	EA	1/2" Diameter, Cast Bronze Drop Ear Tee	77.50	43.40
		For Silver Solder Instead Of 95/5 Solder, Add	*10.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.75*	
		For Work In Restricted Working Space, Add	*19.49*	

22 11 16 00-0520 Reducing Copper Tees *(22 11 16 00-0458)*

22 11 16 00-0521	EA	3/8" Diameter, Reducing Copper Tee	53.09	27.68
		For Silver Solder Instead Of 95/5 Solder, Add	*6.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.24*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0522	EA	1/2" Diameter, Reducing Copper Tee	68.61	38.98
		For Silver Solder Instead Of 95/5 Solder, Add	*9.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.77*	
		For Work In Restricted Working Space, Add	*17.54*	
22 11 16 00-0523	EA	3/4" Diameter, Reducing Copper Tee	80.53	50.29
		For Silver Solder Instead Of 95/5 Solder, Add	*11.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.31*	
		For Work In Restricted Working Space, Add	*22.61*	
22 11 16 00-0524	EA	1" Diameter, Reducing Copper Tee	107.36	60.68
		For Silver Solder Instead Of 95/5 Solder, Add	*14.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Work In Restricted Working Space, Add	*27.29*	
22 11 16 00-0525	EA	1-1/4" Diameter, Reducing Copper Tee	123.65	65.88
		For Silver Solder Instead Of 95/5 Solder, Add	*16.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.81*	
		For Work In Restricted Working Space, Add	*29.63*	
22 11 16 00-0526	EA	1-1/2" Diameter, Reducing Copper Tee	143.04	71.99
		For Silver Solder Instead Of 95/5 Solder, Add	*17.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.18*	
		For Work In Restricted Working Space, Add	*32.36*	
22 11 16 00-0527	EA	2" Diameter, Reducing Copper Tee	171.73	80.56
		For Silver Solder Instead Of 95/5 Solder, Add	*20.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.13*	
		For Work In Restricted Working Space, Add	*36.26*	
22 11 16 00-0528	EA	2-1/2" Diameter, Reducing Copper Tee	247.42	83.03
		For Silver Solder Instead Of 95/5 Solder, Add	*24.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.66*	
		For Work In Restricted Working Space, Add	*37.33*	
22 11 16 00-0529	EA	3" Diameter, Reducing Copper Tee	345.54	95.71
		For Silver Solder Instead Of 95/5 Solder, Add	*31.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.54*	
		For Work In Restricted Working Space, Add	*43.07*	
22 11 16 00-0530	EA	4" Diameter, Reducing Copper Tee	602.24	118.09
		For Silver Solder Instead Of 95/5 Solder, Add	*47.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.56*	
		For Work In Restricted Working Space, Add	*53.12*	

22 11 16 00-0531 Copper Couplings *(22 11 16 00-0458)*

22 11 16 00-0532	EA	1/4" Diameter, Copper Coupling	22.26	14.43
		For Silver Solder Instead Of 95/5 Solder, Add	*3.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.24*	
		For Work In Restricted Working Space, Add	*6.47*	
22 11 16 00-0533	EA	3/8" Diameter, Copper Coupling	26.81	17.29
		For Silver Solder Instead Of 95/5 Solder, Add	*3.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.88*	
		For Work In Restricted Working Space, Add	*7.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0534	EA	1/2" Diameter, Copper Coupling	36.35	23.65
		For Silver Solder Instead Of 95/5 Solder, Add	*5.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.34*	
		For Work In Restricted Working Space, Add	*10.68*	
22 11 16 00-0535	EA	3/4" Diameter, Copper Coupling	45.77	29.50
		For Silver Solder Instead Of 95/5 Solder, Add	*6.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.63*	
		For Work In Restricted Working Space, Add	*13.27*	
22 11 16 00-0536	EA	1" Diameter, Copper Coupling	55.90	35.21
		For Silver Solder Instead Of 95/5 Solder, Add	*8.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.93*	
		For Work In Restricted Working Space, Add	*15.85*	
22 11 16 00-0537	EA	1-1/4" Diameter, Copper Coupling	62.55	38.07
		For Silver Solder Instead Of 95/5 Solder, Add	*8.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.57*	
		For Work In Restricted Working Space, Add	*17.15*	
22 11 16 00-0538	EA	1-1/2" Diameter, Copper Coupling	69.69	41.71
		For Silver Solder Instead Of 95/5 Solder, Add	*9.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.38*	
		For Work In Restricted Working Space, Add	*18.77*	
22 11 16 00-0539	EA	2" Diameter, Copper Coupling	81.98	46.64
		For Silver Solder Instead Of 95/5 Solder, Add	*11.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.52*	
		For Work In Restricted Working Space, Add	*21.03*	
22 11 16 00-0540	EA	2-1/2" Diameter, Copper Coupling	99.07	47.14
		For Silver Solder Instead Of 95/5 Solder, Add	*12.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.62*	
		For Work In Restricted Working Space, Add	*21.25*	
22 11 16 00-0541	EA	3" Diameter, Copper Coupling	126.08	58.39
		For Silver Solder Instead Of 95/5 Solder, Add	*15.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.15*	
		For Work In Restricted Working Space, Add	*26.29*	
22 11 16 00-0542	EA	4" Diameter, Copper Coupling	208.86	82.68
		For Silver Solder Instead Of 95/5 Solder, Add	*22.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.63*	
		For Work In Restricted Working Space, Add	*37.26*	
22 11 16 00-0543	EA	5" Diameter, Copper Coupling	356.29	119.76
		For Silver Solder Instead Of 95/5 Solder, Add	*35.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.97*	
		For Work In Restricted Working Space, Add	*53.95*	
22 11 16 00-0544	EA	6" Diameter, Copper Coupling	553.29	174.33
		For Silver Solder Instead Of 95/5 Solder, Add	*53.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-40.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.25*	
		For Work In Restricted Working Space, Add	*78.50*	
22 11 16 00-0545	EA	8" Diameter, Copper Coupling	1,294.20	232.36
		For Silver Solder Instead Of 95/5 Solder, Add	*99.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-82.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*52.33*	
		For Work In Restricted Working Space, Add	*104.67*	

22 11 16 00-0546 Reducing Copper Couplings *(22 11 16 00-0458)*

22 11 16 00-0547	EA	3/8" Diameter, Reducing Copper Coupling	25.23	15.86
		For Silver Solder Instead Of 95/5 Solder, Add	*3.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.56*	
		For Work In Restricted Working Space, Add	*7.12*	
22 11 16 00-0548	EA	1/2" Diameter, Reducing Copper Coupling	32.33	20.54
		For Silver Solder Instead Of 95/5 Solder, Add	*4.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.61*	
		For Work In Restricted Working Space, Add	*9.23*	
22 11 16 00-0549	EA	3/4" Diameter, Reducing Copper Coupling	42.63	26.64
		For Silver Solder Instead Of 95/5 Solder, Add	*6.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.99*	
		For Work In Restricted Working Space, Add	*11.97*	
22 11 16 00-0550	EA	1" Diameter, Reducing Copper Coupling	53.47	32.36
		For Silver Solder Instead Of 95/5 Solder, Add	*7.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.28*	
		For Work In Restricted Working Space, Add	*14.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0551	EA	1-1/4" Diameter, Reducing Copper Coupling	61.88	36.64
		For Silver Solder Instead Of 95/5 Solder, Add	*8.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.25*	
		For Work In Restricted Working Space, Add	*16.50*	
22 11 16 00-0552	EA	1-1/2" Diameter, Reducing Copper Coupling	71.24	39.89
		For Silver Solder Instead Of 95/5 Solder, Add	*9.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.98*	
		For Work In Restricted Working Space, Add	*17.96*	
22 11 16 00-0553	EA	2" Diameter, Reducing Copper Coupling	83.93	44.18
		For Silver Solder Instead Of 95/5 Solder, Add	*10.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Work In Restricted Working Space, Add	*19.90*	
22 11 16 00-0554	EA	2-1/2" Diameter, Reducing Copper Coupling	109.59	45.10
		For Silver Solder Instead Of 95/5 Solder, Add	*12.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.15*	
		For Work In Restricted Working Space, Add	*20.31*	
22 11 16 00-0555	EA	3" Diameter, Reducing Copper Coupling	131.03	52.76
		For Silver Solder Instead Of 95/5 Solder, Add	*14.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.89*	
		For Work In Restricted Working Space, Add	*23.77*	
22 11 16 00-0556	EA	4" Diameter, Reducing Copper Coupling	208.75	70.59
		For Silver Solder Instead Of 95/5 Solder, Add	*21.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.89*	
		For Work In Restricted Working Space, Add	*31.78*	
22 11 16 00-0557	EA	5" Diameter, Reducing Copper Coupling	550.40	98.82
		For Silver Solder Instead Of 95/5 Solder, Add	*42.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.25*	
		For Work In Restricted Working Space, Add	*44.49*	
22 11 16 00-0558	EA	6" Diameter, Reducing Copper Coupling	811.89	125.98
		For Silver Solder Instead Of 95/5 Solder, Add	*59.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-50.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.38*	
		For Work In Restricted Working Space, Add	*56.77*	
22 11 16 00-0559	EA	8" Diameter, Reducing Copper Coupling	1,625.11	203.16
		For Silver Solder Instead Of 95/5 Solder, Add	*111.77*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-96.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.77*	
		For Work In Restricted Working Space, Add	*91.53*	

22 11 16 00-0560 Male Copper Adapters *(22 11 16 00-0458)*

22 11 16 00-0561	EA	1/4" Diameter, Male Copper Adapter	38.19	16.89
		For Silver Solder Instead Of 95/5 Solder, Add	*4.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.90*	
		For Work In Restricted Working Space, Add	*7.80*	
22 11 16 00-0562	EA	3/8" Diameter, Male Copper Adapter	37.27	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*4.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0563	EA	1/2" Diameter, Male Copper Adapter	41.45	25.99
		For Silver Solder Instead Of 95/5 Solder, Add	*5.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.85*	
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0564	EA	3/4" Diameter, Male Copper Adapter	52.26	32.49
		For Silver Solder Instead Of 95/5 Solder, Add	*7.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.21*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0565	EA	1" Diameter, Male Copper Adapter	66.49	37.68
		For Silver Solder Instead Of 95/5 Solder, Add	*8.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.38*	
		For Work In Restricted Working Space, Add	*16.76*	
22 11 16 00-0566	EA	1-1/4" Diameter, Male Copper Adapter	80.43	42.88
		For Silver Solder Instead Of 95/5 Solder, Add	*10.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.75*	
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0567	EA	1-1/2" Diameter, Male Copper Adapter	92.16	49.38
		For Silver Solder Instead Of 95/5 Solder, Add	*12.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.11*	
		For Work In Restricted Working Space, Add	*22.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0568	EA	2" Diameter, Male Copper Adapter	125.48	63.02
		For Silver Solder Instead Of 95/5 Solder, Add	*15.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.23*	
		For Work In Restricted Working Space, Add	*28.46*	
22 11 16 00-0569	EA	2-1/2" Diameter, Male Copper Adapter	234.82	81.86
		For Silver Solder Instead Of 95/5 Solder, Add	*23.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.32*	
		For Work In Restricted Working Space, Add	*36.64*	
22 11 16 00-0570	EA	3" Diameter, Male Copper Adapter	311.90	109.17
		For Silver Solder Instead Of 95/5 Solder, Add	*31.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.41*	
		For Work In Restricted Working Space, Add	*48.82*	
22 11 16 00-0571	EA	4" Diameter, Male Copper Adapter	468.29	153.15
		For Silver Solder Instead Of 95/5 Solder, Add	*46.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.46*	
		For Work In Restricted Working Space, Add	*68.92*	

22 11 16 00-0572 Female Copper Adapters *(22 11 16 00-0458)*

22 11 16 00-0573	EA	1/4" Diameter, Female Copper Adapter	33.78	16.89
		For Silver Solder Instead Of 95/5 Solder, Add	*4.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.90*	
		For Work In Restricted Working Space, Add	*7.80*	
22 11 16 00-0574	EA	3/8" Diameter, Female Copper Adapter	39.35	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*5.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0575	EA	1/2" Diameter, Female Copper Adapter	42.93	25.99
		For Silver Solder Instead Of 95/5 Solder, Add	*6.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.85*	
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0576	EA	3/4" Diameter, Female Copper Adapter	53.47	32.49
		For Silver Solder Instead Of 95/5 Solder, Add	*7.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.21*	
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0577	EA	1" Diameter, Female Copper Adapter	68.20	37.68
		For Silver Solder Instead Of 95/5 Solder, Add	*9.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.38*	
		For Work In Restricted Working Space, Add	*16.76*	
22 11 16 00-0578	EA	1-1/4" Diameter, Female Copper Adapter	83.06	42.88
		For Silver Solder Instead Of 95/5 Solder, Add	*10.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.75*	
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0579	EA	1-1/2" Diameter, Female Copper Adapter	102.39	49.38
		For Silver Solder Instead Of 95/5 Solder, Add	*12.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.11*	
		For Work In Restricted Working Space, Add	*22.22*	
22 11 16 00-0580	EA	2" Diameter, Female Copper Adapter	133.27	63.02
		For Silver Solder Instead Of 95/5 Solder, Add	*16.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.23*	
		For Work In Restricted Working Space, Add	*28.46*	
22 11 16 00-0581	EA	2-1/2" Diameter, Female Copper Adapter	271.46	75.37
		For Silver Solder Instead Of 95/5 Solder, Add	*24.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.87*	
		For Work In Restricted Working Space, Add	*33.74*	
22 11 16 00-0582	EA	3" Diameter, Female Copper Adapter	430.56	109.17
		For Silver Solder Instead Of 95/5 Solder, Add	*37.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.41*	
		For Work In Restricted Working Space, Add	*48.82*	

22 11 16 00-0583 Wrot Copper, Solder Union *(22 11 16 00-0458)*

22 11 16 00-0584	EA	1/4" Diameter, Wrot Copper, Solder Union	49.95	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*5.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0585	EA	3/8" Diameter, Wrot Copper, Solder Union	57.01	25.08
		For Silver Solder Instead Of 95/5 Solder, Add	*6.62*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0586	EA	1/2" Diameter, Wrot Copper, Solder Union	58.72	31.19
		For Silver Solder Instead Of 95/5 Solder, Add	*7.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.02*	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0587	EA	3/4" Diameter, Wrot Copper, Solder Union	67.96	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*8.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0588	EA	1" Diameter, Wrot Copper, Solder Union	88.91	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*10.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0589	EA	1-1/4" Diameter, Wrot Copper, Solder Union	106.72	46.78
		For Silver Solder Instead Of 95/5 Solder, Add	*12.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.53*	
		For Work In Restricted Working Space, Add	*21.05*	
22 11 16 00-0590	EA	1-1/2" Diameter, Wrot Copper, Solder Union	129.51	51.98
		For Silver Solder Instead Of 95/5 Solder, Add	*14.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.70*	
		For Work In Restricted Working Space, Add	*23.39*	
22 11 16 00-0591	EA	2" Diameter, Wrot Copper, Solder Union	181.42	62.37
		For Silver Solder Instead Of 95/5 Solder, Add	*18.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.03*	
		For Work In Restricted Working Space, Add	*28.07*	
22 11 16 00-0592	EA	2-1/2" Diameter, Wrot Copper, Solder Union	342.48	68.68
		For Silver Solder Instead Of 95/5 Solder, Add	*27.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
22 11 16 00-0593	EA	3" Diameter, Wrot Copper, Solder Union	765.96	97.40
		For Silver Solder Instead Of 95/5 Solder, Add	*52.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-45.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.90*	
		For Work In Restricted Working Space, Add	*43.79*	

22 11 16 00-0594 Cast Bronze, Solder Union *(22 11 16 00-0458)*

22 11 16 00-0595	EA	1/4" Diameter, Cast Bronze, Solder Union	56.86	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*5.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0596	EA	3/8" Diameter, Cast Bronze, Solder Union	63.53	25.08
		For Silver Solder Instead Of 95/5 Solder, Add	*6.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0597	EA	1/2" Diameter, Cast Bronze, Solder Union	60.54	31.19
		For Silver Solder Instead Of 95/5 Solder, Add	*7.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.02*	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0598	EA	3/4" Diameter, Cast Bronze, Solder Union	70.53	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*8.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0599	EA	1" Diameter, Cast Bronze, Solder Union	93.37	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*11.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0600	EA	1-1/4" Diameter, Cast Bronze, Solder Union	118.91	46.78
		For Silver Solder Instead Of 95/5 Solder, Add	*12.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.53*	
		For Work In Restricted Working Space, Add	*21.05*	
22 11 16 00-0601	EA	1-1/2" Diameter, Cast Bronze, Solder Union	142.22	51.98
		For Silver Solder Instead Of 95/5 Solder, Add	*14.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.01*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.70*	
		For Work In Restricted Working Space, Add	*23.39*	
22 11 16 00-0602	EA	2" Diameter, Cast Bronze, Solder Union	203.06	62.37
		For Silver Solder Instead Of 95/5 Solder, Add	*19.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.03*	
		For Work In Restricted Working Space, Add	*28.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0603	EA	2-1/2" Diameter, Cast Bronze, Solder Union	342.46	68.68
		For Silver Solder Instead Of 95/5 Solder, Add	*27.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
22 11 16 00-0604	EA	3" Diameter, Cast Bronze, Solder Union	765.96	97.40
		For Silver Solder Instead Of 95/5 Solder, Add	*52.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-45.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.90*	
		For Work In Restricted Working Space, Add	*43.79*	

22 11 16 00-0605 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0458)*

22 11 16 00-0606	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	66.20	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*6.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0607	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	73.91	25.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0608	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	75.55	31.19
		For Silver Solder Instead Of 95/5 Solder, Add	*8.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.02*	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0609	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union	92.49	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*9.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0610	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union	145.25	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*13.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	
22 11 16 00-0611	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	222.21	46.78
		For Silver Solder Instead Of 95/5 Solder, Add	*18.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.53*	
		For Work In Restricted Working Space, Add	*21.05*	
22 11 16 00-0612	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	270.58	51.98
		For Silver Solder Instead Of 95/5 Solder, Add	*21.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.70*	
		For Work In Restricted Working Space, Add	*23.39*	
22 11 16 00-0613	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union	419.60	62.37
		For Silver Solder Instead Of 95/5 Solder, Add	*30.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.03*	
		For Work In Restricted Working Space, Add	*28.07*	
22 11 16 00-0614	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	720.95	68.68
		For Silver Solder Instead Of 95/5 Solder, Add	*46.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	

22 11 16 00-0615 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0458)*

22 11 16 00-0616	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	57.86	20.79
		For Silver Solder Instead Of 95/5 Solder, Add	*6.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.36*	
22 11 16 00-0617	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union	68.81	25.08
		For Silver Solder Instead Of 95/5 Solder, Add	*7.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.30*	
22 11 16 00-0618	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	69.49	31.19
		For Silver Solder Instead Of 95/5 Solder, Add	*8.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.02*	
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0619	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union	87.36	35.61
		For Silver Solder Instead Of 95/5 Solder, Add	*9.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.99*	
		For Work In Restricted Working Space, Add	*15.98*	
22 11 16 00-0620	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union	147.60	42.49
		For Silver Solder Instead Of 95/5 Solder, Add	*13.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.55*	
		For Work In Restricted Working Space, Add	*19.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0621	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	174.29	46.78
		For Silver Solder Instead Of 95/5 Solder, Add	*15.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.53*	
		For Work In Restricted Working Space, Add	*21.05*	
22 11 16 00-0622	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	187.33	51.98
		For Silver Solder Instead Of 95/5 Solder, Add	*17.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.70*	
		For Work In Restricted Working Space, Add	*23.39*	
22 11 16 00-0623	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union	261.54	62.37
		For Silver Solder Instead Of 95/5 Solder, Add	*22.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.03*	
		For Work In Restricted Working Space, Add	*28.07*	
22 11 16 00-0624	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	595.16	68.68
		For Silver Solder Instead Of 95/5 Solder, Add	*40.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.43*	
		For Work In Restricted Working Space, Add	*30.87*	
22 11 16 00-0625		**Copper Caps** *(22 11 16 00-0458)*		
22 11 16 00-0626	EA	1/4" Diameter, Copper Cap	9.62	5.71
		For Silver Solder Instead Of 95/5 Solder, Add	*1.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.29*	
		For Work In Restricted Working Space, Add	*2.57*	
22 11 16 00-0627	EA	3/8" Diameter, Copper Cap	11.97	6.76
		For Silver Solder Instead Of 95/5 Solder, Add	*1.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.54*	
		For Work In Restricted Working Space, Add	*3.09*	
22 11 16 00-0628	EA	1/2" Diameter, Copper Cap	15.01	9.36
		For Silver Solder Instead Of 95/5 Solder, Add	*2.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.12*	
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0629	EA	3/4" Diameter, Copper Cap	19.19	11.56
		For Silver Solder Instead Of 95/5 Solder, Add	*2.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.64*	
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-0630	EA	1" Diameter, Copper Cap	24.79	13.90
		For Silver Solder Instead Of 95/5 Solder, Add	*3.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.15*	
		For Work In Restricted Working Space, Add	*6.30*	
22 11 16 00-0631	EA	1-1/4" Diameter, Copper Cap	27.79	14.94
		For Silver Solder Instead Of 95/5 Solder, Add	*3.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.41*	
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0632	EA	1-1/2" Diameter, Copper Cap	32.24	16.37
		For Silver Solder Instead Of 95/5 Solder, Add	*4.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.73*	
		For Work In Restricted Working Space, Add	*7.46*	
22 11 16 00-0633	EA	2" Diameter, Copper Cap	39.29	16.99
		For Silver Solder Instead Of 95/5 Solder, Add	*4.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.85*	
		For Work In Restricted Working Space, Add	*7.70*	
22 11 16 00-0634	EA	2-1/2" Diameter, Copper Cap	77.34	19.86
		For Silver Solder Instead Of 95/5 Solder, Add	*6.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.52*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0635	EA	3" Diameter, Copper Cap	106.17	25.49
		For Silver Solder Instead Of 95/5 Solder, Add	*9.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.79*	
		For Work In Restricted Working Space, Add	*11.57*	
22 11 16 00-0636	EA	4" Diameter, Copper Cap	185.95	38.52
		For Silver Solder Instead Of 95/5 Solder, Add	*15.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.76*	
		For Work In Restricted Working Space, Add	*17.52*	
22 11 16 00-0637	EA	5" Diameter, Cast Bronze Cap	986.60	59.35
		For Silver Solder Instead Of 95/5 Solder, Add	*58.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.49*	
		For Work In Restricted Working Space, Add	*26.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0638	EA	6" Diameter, Cast Bronze Cap	1,917.33	86.38
		For Silver Solder Instead Of 95/5 Solder, Add	*108.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-102.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.62*	
		For Work In Restricted Working Space, Add	*39.25*	
22 11 16 00-0639	EA	8" Diameter, Cast Bronze Cap	2,441.79	115.10
		For Silver Solder Instead Of 95/5 Solder, Add	*139.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-130.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.17*	
		For Work In Restricted Working Space, Add	*52.34*	
22 11 16 00-0640		**Copper Crosses** *(22 11 16 00-0458)*		
22 11 16 00-0641	EA	1/2" Diameter, Copper Cross	92.54	52.64
		For Silver Solder Instead Of 95/5 Solder, Add	*12.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.85*	
		For Work In Restricted Working Space, Add	*23.69*	
22 11 16 00-0642	EA	3/4" Diameter, Copper Cross	124.48	65.45
		For Silver Solder Instead Of 95/5 Solder, Add	*16.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.72*	
		For Work In Restricted Working Space, Add	*29.43*	
22 11 16 00-0643	EA	1" Diameter, Copper Cross	162.04	78.13
		For Silver Solder Instead Of 95/5 Solder, Add	*19.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.59*	
		For Work In Restricted Working Space, Add	*35.18*	
22 11 16 00-0644	EA	1-1/4" Diameter, Copper Cross	191.21	84.59
		For Silver Solder Instead Of 95/5 Solder, Add	*22.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.02*	
		For Work In Restricted Working Space, Add	*38.05*	
22 11 16 00-0645	EA	1-1/2" Diameter, Copper Cross	230.55	92.48
		For Silver Solder Instead Of 95/5 Solder, Add	*25.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.82*	
		For Work In Restricted Working Space, Add	*41.64*	
22 11 16 00-0646	EA	2" Diameter, Copper Cross	328.88	103.74
		For Silver Solder Instead Of 95/5 Solder, Add	*32.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.33*	
		For Work In Restricted Working Space, Add	*46.66*	
22 11 16 00-0647	EA	2-1/2" Diameter, Copper Cross	571.88	114.86
		For Silver Solder Instead Of 95/5 Solder, Add	*45.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.84*	
		For Work In Restricted Working Space, Add	*51.69*	
22 11 16 00-0648		**Cast Bronze Crosses** *(22 11 16 00-0458)*		
22 11 16 00-0649	EA	3/8" Diameter, Cast Bronze Cross	75.52	38.29
		For Silver Solder Instead Of 95/5 Solder, Add	*9.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.61*	
		For Work In Restricted Working Space, Add	*17.23*	
22 11 16 00-0650	EA	1/2" Diameter, Cast Bronze Cross	95.25	52.64
		For Silver Solder Instead Of 95/5 Solder, Add	*12.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.85*	
		For Work In Restricted Working Space, Add	*23.69*	
22 11 16 00-0651	EA	3/4" Diameter, Cast Bronze Cross	129.75	65.45
		For Silver Solder Instead Of 95/5 Solder, Add	*16.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.72*	
		For Work In Restricted Working Space, Add	*29.43*	
22 11 16 00-0652	EA	1" Diameter, Cast Bronze Cross	170.99	78.13
		For Silver Solder Instead Of 95/5 Solder, Add	*20.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.59*	
		For Work In Restricted Working Space, Add	*35.18*	
22 11 16 00-0653	EA	1-1/4" Diameter, Cast Bronze Cross	204.08	84.59
		For Silver Solder Instead Of 95/5 Solder, Add	*22.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.02*	
		For Work In Restricted Working Space, Add	*38.05*	
22 11 16 00-0654	EA	1-1/2" Diameter, Cast Bronze Cross	248.90	92.48
		For Silver Solder Instead Of 95/5 Solder, Add	*26.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.82*	
		For Work In Restricted Working Space, Add	*41.64*	
22 11 16 00-0655	EA	2" Diameter, Cast Bronze Cross	396.23	103.74
		For Silver Solder Instead Of 95/5 Solder, Add	*35.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.33*	
		For Work In Restricted Working Space, Add	*46.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0656	EA	2-1/2" Diameter, Cast Bronze Cross	651.80	114.86
		For Silver Solder Instead Of 95/5 Solder, Add	*49.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.84*	
		For Work In Restricted Working Space, Add	*51.69*	
22 11 16 00-0657		**Flexible Corrugated Copper Supply Line** *(22 11 16 00-0458)*		
22 11 16 00-0658	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	97.73	35.61
22 11 16 00-0659	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	103.08	35.61
22 11 16 00-0660	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	88.11	35.61
22 11 16 00-0661	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	94.17	35.61
22 11 16 00-0662	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	99.52	35.61
22 11 16 00-0663	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	103.08	35.61
22 11 16 00-0664		**Crimped Copper Fittings** *(22 11 16 00-0390)* Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0665		**Crimped Copper 90 Degree Elbows** *(22 11 16 00-0664)*		
22 11 16 00-0666	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	26.81	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0667	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	32.44	17.80
		For Work In Restricted Working Space, Add	*7.99*	
22 11 16 00-0668	EA	1" Diameter, Crimped Copper 90 Degree Elbow	43.43	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0669	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	58.51	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0670	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	83.35	25.99
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0671	EA	2" Diameter, Crimped Copper 90 Degree Elbow	108.44	31.19
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0672	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	233.68	36.38
		For Work In Restricted Working Space, Add	*16.37*	
22 11 16 00-0673	EA	3" Diameter, Crimped Copper 90 Degree Elbow	290.32	43.27
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0674	EA	4" Diameter, Crimped Copper 90 Degree Elbow	364.56	57.18
		For Work In Restricted Working Space, Add	*25.73*	
22 11 16 00-0675		**Crimped Copper 45 Degree Elbows** *(22 11 16 00-0664)*		
22 11 16 00-0676	EA	1/2" Diameter, Crimped Copper 45 Degree Elbow	27.37	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0677	EA	3/4" Diameter, Crimped Copper 45 Degree Elbow	31.53	17.80
		For Work In Restricted Working Space, Add	*7.99*	
22 11 16 00-0678	EA	1" Diameter, Crimped Copper 45 Degree Elbow	47.54	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0679	EA	1-1/4" Diameter, Crimped Copper 45 Degree Elbow	57.61	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0680	EA	1-1/2" Diameter, Crimped Copper 45 Degree Elbow	75.50	25.99
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0681	EA	2" Diameter, Crimped Copper 45 Degree Elbow	97.86	31.19
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0682	EA	2-1/2" Diameter, Crimped Copper 45 Degree Elbow	172.89	36.38
		For Work In Restricted Working Space, Add	*16.37*	
22 11 16 00-0683	EA	3" Diameter, Crimped Copper 45 Degree Elbow	234.01	43.27
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0684	EA	4" Diameter, Crimped Copper 45 Degree Elbow	320.52	57.18
		For Work In Restricted Working Space, Add	*25.73*	
22 11 16 00-0685		**Crimped Copper Straight Tees** *(22 11 16 00-0664)*		
22 11 16 00-0686	EA	1/2" Diameter, Crimped Copper Straight Tee	40.31	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0687	EA	3/4" Diameter, Crimped Copper Straight Tee	55.34	30.80
		For Work In Restricted Working Space, Add	*13.84*	
22 11 16 00-0688	EA	1" Diameter, Crimped Copper Straight Tee	67.93	34.18
		For Work In Restricted Working Space, Add	*15.40*	
22 11 16 00-0689	EA	1-1/4" Diameter, Crimped Copper Straight Tee	80.73	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 11 16 00-0690	EA	1-1/2" Diameter, Crimped Copper Straight Tee	114.38	39.89
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0691	EA	2" Diameter, Crimped Copper Straight Tee	137.63	46.78
		For Work In Restricted Working Space, Add	*21.05*	
22 11 16 00-0692	EA	2-1/2" Diameter, Crimped Copper Straight Tee	303.16	54.57
		For Work In Restricted Working Space, Add	*24.56*	
22 11 16 00-0693	EA	3" Diameter, Crimped Copper Straight Tee	374.06	64.97
		For Work In Restricted Working Space, Add	*29.24*	
22 11 16 00-0694	EA	4" Diameter, Crimped Copper Straight Tee	516.77	85.76
		For Work In Restricted Working Space, Add	*38.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0695		**Crimped Copper Reducing Tees** *(22 11 16 00-0664)*		
22 11 16 00-0696	EA	3/4" Diameter, Crimped Copper Reducing Tee	47.61	22.22
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-0697	EA	1" Diameter, Crimped Copper Reducing Tee	69.05	29.24
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-0698	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	74.44	32.49
		For Work In Restricted Working Space, Add	*14.62*	
22 11 16 00-0699	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	98.49	33.39
		For Work In Restricted Working Space, Add	*15.01*	
22 11 16 00-0700	EA	2" Diameter, Crimped Copper Reducing Tee	118.11	37.81
		For Work In Restricted Working Space, Add	*17.04*	
22 11 16 00-0701	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	324.93	42.88
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0702	EA	3" Diameter, Crimped Copper Reducing Tee	396.21	51.98
		For Work In Restricted Working Space, Add	*23.39*	
22 11 16 00-0703	EA	4" Diameter, Crimped Copper Reducing Tee	466.01	69.26
		For Work In Restricted Working Space, Add	*31.19*	
22 11 16 00-0704		**Crimped Copper Couplings** *(22 11 16 00-0664)*		
22 11 16 00-0705	EA	1/2" Diameter, Crimped Copper Coupling	26.47	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0706	EA	3/4" Diameter, Crimped Copper Coupling	31.31	17.80
		For Work In Restricted Working Space, Add	*7.99*	
22 11 16 00-0707	EA	1" Diameter, Crimped Copper Coupling	41.27	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0708	EA	1-1/4" Diameter, Crimped Copper Coupling	46.80	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0709	EA	1-1/2" Diameter, Crimped Copper Coupling	60.82	25.99
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0710	EA	2" Diameter, Crimped Copper Coupling	74.66	31.19
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0711	EA	2-1/2" Diameter, Crimped Copper Coupling	143.78	36.38
		For Work In Restricted Working Space, Add	*16.37*	
22 11 16 00-0712	EA	3" Diameter, Crimped Copper Coupling	178.58	43.27
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0713	EA	4" Diameter, Crimped Copper Coupling	243.51	57.18
		For Work In Restricted Working Space, Add	*25.73*	
22 11 16 00-0714		**Crimped Copper Reducing Couplings** *(22 11 16 00-0664)*		
22 11 16 00-0715	EA	3/4" Diameter, Crimped Copper Reducing Coupling	36.22	14.81
		For Work In Restricted Working Space, Add	*6.67*	
22 11 16 00-0716	EA	1" Diameter, Crimped Copper Reducing Coupling	41.38	16.89
		For Work In Restricted Working Space, Add	*7.60*	
22 11 16 00-0717	EA	1-1/4" Diameter, Crimped Copper Reducing Coupling	53.60	20.14
		For Work In Restricted Working Space, Add	*9.08*	
22 11 16 00-0718	EA	1-1/2" Diameter, Crimped Copper Reducing Coupling	67.74	22.22
		For Work In Restricted Working Space, Add	*10.02*	
22 11 16 00-0719	EA	2" Diameter, Crimped Copper Reducing Coupling	75.72	24.69
		For Work In Restricted Working Space, Add	*11.11*	
22 11 16 00-0720	EA	2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling	149.56	29.50
		For Work In Restricted Working Space, Add	*13.25*	
22 11 16 00-0721	EA	3" Diameter, Crimped Copper FTG x C Reducing Coupling	186.39	34.69
		For Work In Restricted Working Space, Add	*15.59*	
22 11 16 00-0722	EA	4" Diameter, Crimped Copper FTG x C Reducing Coupling	242.29	45.87
		For Work In Restricted Working Space, Add	*20.66*	
22 11 16 00-0723		**Crimped Copper Male Adapters** *(22 11 16 00-0664)*		
22 11 16 00-0724	EA	1/2" Diameter, Crimped Copper Male Adapter	27.15	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0725	EA	3/4" Diameter, Crimped Copper Male Adapter	33.46	17.80
		For Work In Restricted Working Space, Add	*7.99*	
22 11 16 00-0726	EA	1" Diameter, Crimped Copper Male Adapter	44.34	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0727	EA	1-1/4" Diameter, Crimped Copper Male Adapter	62.49	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0728	EA	1-1/2" Diameter, Crimped Copper Male Adapter	77.43	25.99
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0729	EA	2" Diameter, Crimped Copper Male Adapter	120.84	31.19
		For Work In Restricted Working Space, Add	*14.03*	
22 11 16 00-0730	EA	2-1/2" Diameter, Crimped Copper Male Adapter	233.68	36.38
		For Work In Restricted Working Space, Add	*16.37*	
22 11 16 00-0731	EA	3" Diameter, Crimped Copper Male Adapter	290.32	43.27
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0732	EA	4" Diameter, Crimped Copper Male Adapter	346.61	57.18
		For Work In Restricted Working Space, Add	*25.73*	
22 11 16 00-0733		**Crimped Copper Female Adapters** *(22 11 16 00-0664)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0734	EA	1/2" Diameter, Crimped Copper Female Adapter	27.94	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0735	EA	3/4" Diameter, Crimped Copper Female Adapter	34.04	17.80
		For Work In Restricted Working Space, Add	*7.99*	
22 11 16 00-0736	EA	1" Diameter, Crimped Copper Female Adapter	45.49	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0737	EA	1-1/4" Diameter, Crimped Copper Female Adapter	65.91	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0738	EA	1-1/2" Diameter, Crimped Copper Female Adapter	83.81	25.99
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0739	EA	2" Diameter, Crimped Copper Female Adapter	122.89	31.19
		For Work In Restricted Working Space, Add	*14.03*	

22 11 16 00-0740 Crimped Copper Caps *(22 11 16 00-0664)*

22 11 16 00-0741	EA	1/2" Diameter, Crimped Copper Cap	18.29	7.80
		For Work In Restricted Working Space, Add	*3.51*	
22 11 16 00-0742	EA	3/4" Diameter, Crimped Copper Cap	24.78	9.10
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-0743	EA	1" Diameter, Crimped Copper Cap	32.78	10.39
		For Work In Restricted Working Space, Add	*4.68*	
22 11 16 00-0744	EA	1-1/4" Diameter, Crimped Copper Cap	37.00	11.69
		For Work In Restricted Working Space, Add	*5.27*	
22 11 16 00-0745	EA	1-1/2" Diameter, Crimped Copper Cap	50.29	13.38
		For Work In Restricted Working Space, Add	*6.04*	
22 11 16 00-0746	EA	2" Diameter, Crimped Copper Cap	60.02	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0747	EA	2-1/2" Diameter, Crimped Copper Cap	144.41	18.19
		For Work In Restricted Working Space, Add	*8.19*	
22 11 16 00-0748	EA	3" Diameter, Crimped Copper Cap	180.71	21.70
		For Work In Restricted Working Space, Add	*9.75*	
22 11 16 00-0749	EA	4" Diameter, Crimped Copper Cap	240.40	28.58
		For Work In Restricted Working Space, Add	*12.86*	

22 11 16 00-0750 C x F NPT Crimped Bronze Unions *(22 11 16 00-0664)*

22 11 16 00-0751	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	51.18	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0752	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	63.91	26.12
		For Work In Restricted Working Space, Add	*11.73*	
22 11 16 00-0753	EA	1" Diameter, C x F NPT Crimped Bronze Union	88.10	31.31
		For Work In Restricted Working Space, Add	*14.07*	
22 11 16 00-0754	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	106.42	36.12
		For Work In Restricted Working Space, Add	*16.29*	
22 11 16 00-0755	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	134.93	35.35
		For Work In Restricted Working Space, Add	*15.90*	
22 11 16 00-0756	EA	2" Diameter, C x F NPT Crimped Bronze Union	185.20	51.19
		For Work In Restricted Working Space, Add	*23.00*	

22 11 16 00-0757 C x C Crimped Bronze Unions *(22 11 16 00-0664)*

22 11 16 00-0758	EA	1/2" Diameter, C x C Bronze Crimped Union	47.51	15.60
		For Work In Restricted Working Space, Add	*7.02*	
22 11 16 00-0759	EA	3/4" Diameter, C x C Bronze Crimped Union	58.26	17.80
		For Work In Restricted Working Space, Add	*7.99*	
22 11 16 00-0760	EA	1" Diameter, C x C Bronze Crimped Union	82.34	21.18
		For Work In Restricted Working Space, Add	*9.55*	
22 11 16 00-0761	EA	1-1/4" Diameter, C x C Bronze Crimped Union	107.21	23.39
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0762	EA	1-1/2" Diameter, C x C Bronze Crimped Union	136.93	25.99
		For Work In Restricted Working Space, Add	*11.69*	
22 11 16 00-0763	EA	2" Diameter, C x C Bronze Crimped Union	206.74	31.19
		For Work In Restricted Working Space, Add	*14.03*	

22 11 16 00-0764 C x Flange Crimped Bronze Flange *(22 11 16 00-0664)*

22 11 16 00-0765	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	397.06	36.38
		For Work In Restricted Working Space, Add	*16.37*	
22 11 16 00-0766	EA	3" Diameter, C x Flange Crimped Bronze Flange	433.60	43.27
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0767	EA	4" Diameter, C x Flange Crimped Bronze Flange	498.43	57.18
		For Work In Restricted Working Space, Add	*25.73*	

22 11 16 00-0768 Field Installed FKM Seals *(22 11 16 00-0664)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0769	EA	1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	7.78	
		For Work In Restricted Working Space, Add	*1.76*	
22 11 16 00-0770	EA	3/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	9.78	
		For Work In Restricted Working Space, Add	*2.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0771	EA	1" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	11.22	
		For Work In Restricted Working Space, Add	*2.34*	
22 11 16 00-0772	EA	1-1/4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	12.87	
		For Work In Restricted Working Space, Add	*2.63*	
22 11 16 00-0773	EA	1-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	17.81	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0774	EA	2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	19.88	
		For Work In Restricted Working Space, Add	*3.51*	
22 11 16 00-0775	EA	2-1/2" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	29.23	
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-0776	EA	3" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	33.64	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-0777	EA	4" Diameter, Field Installed FKM Seal Note: To be used in conjunction with fittings.	45.78	
		For Work In Restricted Working Space, Add	*6.43*	

22 11 16 00-0778 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0390)*

22 11 16 00-0779	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	12.99	
22 11 16 00-0780	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.04	
22 11 16 00-0781	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	15.79	
22 11 16 00-0782	EA	1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.57	
22 11 16 00-0783	EA	1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	17.54	
22 11 16 00-0784	EA	2" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.30	
22 11 16 00-0785	EA	2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	20.80	
22 11 16 00-0786	EA	3" Diameter, Cut And Prepare Existing In Place Copper Pipe	24.56	
22 11 16 00-0787	EA	4" Diameter, Cut And Prepare Existing In Place Copper Pipe	33.13	
22 11 16 00-0788	EA	6" Diameter, Cut And Prepare Existing In Place Copper Pipe	47.36	
22 11 16 00-0789	EA	8" Diameter, Cut And Prepare Existing In Place Copper Pipe	63.15	

22 11 16 00-0790 Sweat Brass Companion Flanges *(22 11 16 00-0390)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0791	EA	1" Diameter, Sweat Brass Companion Flange	67.35	19.98
22 11 16 00-0792	EA	1-1/4" Diameter, Sweat Brass Companion Flange	73.55	22.01
22 11 16 00-0793	EA	1-1/2" Diameter, Sweat Brass Companion Flange	103.65	23.93
22 11 16 00-0794	EA	2" Diameter, Sweat Brass Companion Flange	137.60	26.56
22 11 16 00-0795	EA	2-1/2" Diameter, Sweat Brass Companion Flange	193.39	31.95
22 11 16 00-0796	EA	3" Diameter, Sweat Brass Companion Flange	213.42	41.87
22 11 16 00-0797	EA	4" Diameter, Sweat Brass Companion Flange	284.94	49.90
22 11 16 00-0798	EA	5" Diameter, Sweat Brass Companion Flange	534.20	58.85
22 11 16 00-0799	EA	6" Diameter, Sweat Brass Companion Flange	616.29	85.52
22 11 16 00-0800	EA	8" Diameter, Copper Companion Flange	1,420.22	121.99

22 11 16 00-0801 Brass Compression Fittings *(22 11 16 00-0390)*

22 11 16 00-0802 Brass Compression Unions *(22 11 16 00-0801)*

22 11 16 00-0803	EA	1/4" Diameter, Brass Compression Union	22.27	14.04
22 11 16 00-0804	EA	3/8" Diameter, Brass Compression Union	22.60	14.04
22 11 16 00-0805	EA	1/2" Diameter, Brass Compression Union	23.61	14.04
22 11 16 00-0806	EA	5/8" Diameter, Brass Compression Union	24.09	14.04
22 11 16 00-0807	EA	3/4" Diameter, Brass Compression Union	32.93	14.04
22 11 16 00-0808	EA	3/8" x 1/4" Diameter, Brass Compression Union	22.83	14.04
22 11 16 00-0809	EA	1/2" x 3/8" Diameter, Brass Compression Union	23.69	14.04
22 11 16 00-0810	EA	5/8" x 3/8" Diameter, Brass Compression Union	24.29	14.04
22 11 16 00-0811	EA	5/8" x 1/2" Diameter, Brass Compression Union	25.25	14.04

22 11 16 00-0812 Brass Compression Union Elbows *(22 11 16 00-0801)*

22 11 16 00-0813	EA	1/4" Diameter, Brass Compression Union Elbow	23.61	14.04
22 11 16 00-0814	EA	3/8" Diameter, Brass Compression Union Elbow	24.16	14.04
22 11 16 00-0815	EA	1/2" Diameter, Brass Compression Union Elbow	25.36	14.04
22 11 16 00-0816	EA	5/8" Diameter, Brass Compression Union Elbow	27.22	14.04
22 11 16 00-0817	EA	3/4" Diameter, Brass Compression Union Elbow	34.49	14.04
22 11 16 00-0818	EA	3/8" x 1/4" Diameter, Brass Compression Union Elbow	24.16	14.04
22 11 16 00-0819	EA	1/2" x 3/8" Diameter, Brass Compression Union Elbow	25.36	14.04
22 11 16 00-0820	EA	5/8" x 3/8" Diameter, Brass Compression Union Elbow	25.69	14.04
22 11 16 00-0821	EA	5/8" x 1/2" Diameter, Brass Compression Union Elbow	31.15	14.04

22 11 16 00-0822 Brass Compression Union Tees *(22 11 16 00-0801)*

22 11 16 00-0823	EA	1/4" Diameter, Brass Compression Union Tee	24.03	14.04
22 11 16 00-0824	EA	3/8" Diameter, Brass Compression Union Tee	25.16	14.04
22 11 16 00-0825	EA	1/2" Diameter, Brass Compression Union Tee	26.36	14.04
22 11 16 00-0826	EA	5/8" Diameter, Brass Compression Union Tee	30.16	14.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0827	EA	3/4" Diameter, Brass Compression Union Tee	43.28	14.04
22 11 16 00-0828	EA	3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	25.96	14.04
22 11 16 00-0829	EA	1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	32.12	14.04
22 11 16 00-0830	EA	5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	31.53	14.04
22 11 16 00-0831	EA	5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	32.22	14.04
22 11 16 00-0832		Brass Compression Male Connectors *(22 11 16 00-0801)*		
22 11 16 00-0833	EA	1/4" Diameter, Brass Compression Male Connector	22.03	14.04
22 11 16 00-0834	EA	3/8" Diameter, Brass Compression Male Connector	22.47	14.04
22 11 16 00-0835	EA	1/2" Diameter, Brass Compression Male Connector	23.23	14.04
22 11 16 00-0836	EA	5/8" Diameter, Brass Compression Male Connector	24.36	14.04
22 11 16 00-0837	EA	3/4" Diameter, Brass Compression Male Connector	29.36	13.90
22 11 16 00-0838		Brass Compression Female Connectors *(22 11 16 00-0801)*		
22 11 16 00-0839	EA	1/4" Diameter, Brass Compression Female Connector	22.51	14.04
22 11 16 00-0840	EA	3/8" Diameter, Brass Compression Female Connector	23.08	14.04
22 11 16 00-0841	EA	1/2" Diameter, Brass Compression Female Connector	24.04	14.04
22 11 16 00-0842	EA	5/8" Diameter, Brass Compression Female Connector	24.69	14.04
22 11 16 00-0843	EA	3/4" Diameter, Brass Compression Female Connector	37.69	13.77
22 11 16 00-0844		Dielectric Fittings *(22 11 16 00-0390)*		
22 11 16 00-0845		Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0844)*		
22 11 16 00-0846	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	54.43	31.19
22 11 16 00-0847	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	60.92	35.61
22 11 16 00-0848	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	71.92	39.13
22 11 16 00-0849	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	86.41	43.07
22 11 16 00-0850	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	103.75	47.86
22 11 16 00-0851	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	131.18	57.43
22 11 16 00-0852		Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0844)*		
22 11 16 00-0853	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	59.25	31.19
22 11 16 00-0854	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	68.87	35.61
22 11 16 00-0855	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	82.41	39.13
22 11 16 00-0856	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	100.32	43.07
22 11 16 00-0857	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	120.96	47.86
22 11 16 00-0858	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	151.37	57.43
22 11 16 00-0859		Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0844)*		
22 11 16 00-0860	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	56.19	31.19
22 11 16 00-0861	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	63.82	35.61
22 11 16 00-0862	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	72.69	39.13
22 11 16 00-0863	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	83.72	43.07
22 11 16 00-0864	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	101.08	47.86
22 11 16 00-0865	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	129.04	57.43
22 11 16 00-0866		Copper x Female Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0844)*		
22 11 16 00-0867	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	320.72	147.64
22 11 16 00-0868	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	401.71	185.93
22 11 16 00-0869	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	564.77	253.05
22 11 16 00-0870		Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges *(22 11 16 00-0844)*		
22 11 16 00-0871	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	322.71	147.64
22 11 16 00-0872	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	417.54	185.93
22 11 16 00-0873	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	747.43	253.05
22 11 16 00-0874		Brass Push-Fit Fittings *(22 11 16)*		
22 11 16 00-0875	EA	1/4" x 1/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	28.11	12.99
22 11 16 00-0876	EA	3/8" x 3/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	34.97	13.86
22 11 16 00-0877	EA	1/2" x 1/2" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	36.21	15.60
22 11 16 00-0878	EA	5/8" x 5/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	41.72	16.63
22 11 16 00-0879	EA	3/4" x 3/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	42.50	17.76
22 11 16 00-0880	EA	1" x 1" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	59.86	21.22
22 11 16 00-0881	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	35.59	14.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0882	EA	3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	41.24	16.11
22 11 16 00-0883	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	61.58	19.49
22 11 16 00-0884	EA	1/4" x 1/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	29.36	12.99
22 11 16 00-0885	EA	3/8" x 3/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	40.28	13.86
22 11 16 00-0886	EA	1/2" x 1/2" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	36.89	15.60
22 11 16 00-0887	EA	5/8" x 5/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	44.81	16.63
22 11 16 00-0888	EA	3/4" x 3/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	41.62	17.76
22 11 16 00-0889	EA	1" x 1" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	60.54	21.22
22 11 16 00-0890	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	35.03	14.72
22 11 16 00-0891	EA	3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	39.03	16.11
22 11 16 00-0892	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	76.78	19.49
22 11 16 00-0893	EA	1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	44.56	19.49
22 11 16 00-0894	EA	3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	56.56	20.79
22 11 16 00-0895	EA	1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	51.65	23.39
22 11 16 00-0896	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	65.90	24.95
22 11 16 00-0897	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	60.26	26.64
22 11 16 00-0898	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	82.54	31.83
22 11 16 00-0899	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.09	22.09
22 11 16 00-0900	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.41	22.52
22 11 16 00-0901	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	58.19	25.56
22 11 16 00-0902	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	80.11	30.10
22 11 16 00-0903	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.51	14.30
22 11 16 00-0904	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	33.10	14.72
22 11 16 00-0905	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.67	15.60
22 11 16 00-0906	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.42	17.76
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	52.71	21.22
22 11 16 00-0908	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	29.25	14.30
22 11 16 00-0909	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	33.10	14.72
22 11 16 00-0910	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	32.76	15.60
22 11 16 00-0911	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	37.03	17.76
22 11 16 00-0912	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	40.32	17.19
22 11 16 00-0913	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	48.42	19.49
22 11 16 00-0914	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	53.50	21.22
22 11 16 00-0915	EA	1/2" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	47.42	15.60
22 11 16 00-0916	EA	3/4" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	55.46	17.76
22 11 16 00-0917	EA	1" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	73.34	21.22
22 11 16 00-0918	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	50.85	15.60
22 11 16 00-0919	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	61.25	17.76
22 11 16 00-0920	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	103.43	21.22

22 11 16 00-0921 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0922	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	25.81	3.64
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*1.77*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.32*	
		For For Brazed Fittings, Add	*0.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.31*	
		For Work In Restricted Working Space, Add	*6.10*	
22 11 16 00-0923	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	30.03	4.68
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.14*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.80*	
		For For Brazed Fittings, Add	*0.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*6.91*	
22 11 16 00-0924	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	33.34	5.58
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*2.57*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.08*	
		For For Brazed Fittings, Add	*0.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.87*	
		For Work In Restricted Working Space, Add	*7.24*	
22 11 16 00-0925	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	37.87	6.50
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.23*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.40*	
		For For Brazed Fittings, Add	*1.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*7.52*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.28*	
22 11 16 00-0926	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	42.37	7.41
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*3.80*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.79*	
		For For Brazed Fittings, Add	*1.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.46*	
		For Work In Restricted Working Space, Add	*8.02*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.56*	
22 11 16 00-0927	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	53.98	9.23
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*5.28*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.02*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.78*	
		For For Brazed Fittings, Add	*1.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*9.23*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.32*	
22 11 16 00-0928	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	67.59	11.12
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*7.35*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.47*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.68*	
		For For Brazed Fittings, Add	*1.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*9.91*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.46*	
22 11 16 00-0929	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	82.92	12.92
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*9.66*	
		For Type M Tubing Instead Of Type L, Deduct	*-7.09*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.72*	
		For For Brazed Fittings, Add	*1.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.93*	
		For Work In Restricted Working Space, Add	*10.73*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.72*	
22 11 16 00-0930	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly	130.87	17.11
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	*16.61*	
		For Type M Tubing Instead Of Type L, Deduct	*-12.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.17*	
		For For Brazed Fittings, Add	*1.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.86*	
		For Work In Restricted Working Space, Add	*13.87*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-8.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0931	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	235.58	21.30
		For Type K Tubing Instead Of Type L, Add	*33.11*	
		For Type M Tubing Instead Of Type L, Deduct	*-23.52*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.71*	
		For For Brazed Fittings, Add	*2.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.75*	
		For Work In Restricted Working Space, Add	*17.80*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-17.62*	
22 11 16 00-0932	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	308.23	25.73
		For Type K Tubing Instead Of Type L, Add	*43.63*	
		For Type M Tubing Instead Of Type L, Deduct	*-30.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.95*	
		For For Brazed Fittings, Add	*3.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.18*	
		For Work In Restricted Working Space, Add	*22.61*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-23.29*	
22 11 16 00-0933	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	676.39	30.75
		For Type K Tubing Instead Of Type L, Add	*105.37*	
		For Type M Tubing Instead Of Type L, Deduct	*-73.67*	
		For Silver Solder Instead Of 95/5 Solder, Add	*43.19*	
		For For Brazed Fittings, Add	*3.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.50*	
		For Work In Restricted Working Space, Add	*28.10*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-58.27*	

22 11 16 00-0934 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*

Note: Socket weld.

22 11 16 00-0935 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0934)*

22 11 16 00-0936 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0935)*

22 11 16 00-0937	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.35	1.91
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0938	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.17	2.01
		For Work In Restricted Working Space, Add	*1.51*	
22 11 16 00-0939	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.56	2.16
		For Work In Restricted Working Space, Add	*1.62*	
22 11 16 00-0940	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	10.27	2.36
		For Work In Restricted Working Space, Add	*1.77*	
22 11 16 00-0941	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.81	2.61
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0942	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.60	2.92
		For Work In Restricted Working Space, Add	*2.19*	
22 11 16 00-0943	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	19.47	3.31
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0944	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	24.74	3.93
		For Work In Restricted Working Space, Add	*2.94*	
22 11 16 00-0945	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	33.97	4.82
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0946	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	57.71	6.13
		For Work In Restricted Working Space, Add	*4.60*	
22 11 16 00-0947	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	82.61	8.04
		For Work In Restricted Working Space, Add	*6.03*	

22 11 16 00-0948 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0935)*

22 11 16 00-0949	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	25.19	9.09
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0950	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	32.54	11.48
		For Work In Restricted Working Space, Add	*8.62*	
22 11 16 00-0951	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	42.05	14.35
		For Work In Restricted Working Space, Add	*10.80*	
22 11 16 00-0952	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	56.62	17.95
		For Work In Restricted Working Space, Add	*13.49*	
22 11 16 00-0953	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	62.91	19.86
		For Work In Restricted Working Space, Add	*14.93*	
22 11 16 00-0954	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	73.22	19.86
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-0955	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	109.29	25.24
		For Work In Restricted Working Space, Add	*18.95*	
22 11 16 00-0956	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	124.78	29.92
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0957	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	175.47	36.73
		For Work In Restricted Working Space, Add	*27.57*	
22 11 16 00-0958	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	221.54	46.66
		For Work In Restricted Working Space, Add	*35.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0959	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	409.56	61.26
		For Work In Restricted Working Space, Add	*45.95*	

22 11 16 00-0960 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0935)*

22 11 16 00-0961	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	26.41	9.09
		For Work In Restricted Working Space, Add	*6.82*	
22 11 16 00-0962	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	34.01	11.48
		For Work In Restricted Working Space, Add	*8.62*	
22 11 16 00-0963	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	44.44	14.35
		For Work In Restricted Working Space, Add	*10.80*	
22 11 16 00-0964	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	59.75	17.95
		For Work In Restricted Working Space, Add	*13.49*	
22 11 16 00-0965	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	66.73	19.86
		For Work In Restricted Working Space, Add	*14.93*	
22 11 16 00-0966	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	74.51	22.26
		For Work In Restricted Working Space, Add	*16.65*	
22 11 16 00-0967	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	110.11	25.24
		For Work In Restricted Working Space, Add	*18.95*	
22 11 16 00-0968	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	124.67	29.92
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0969	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	160.50	36.73
		For Work In Restricted Working Space, Add	*27.57*	
22 11 16 00-0970	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	249.62	46.66
		For Work In Restricted Working Space, Add	*35.03*	
22 11 16 00-0971	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	429.45	61.26
		For Work In Restricted Working Space, Add	*45.95*	

22 11 16 00-0972 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0935)*

22 11 16 00-0973	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	38.57	13.64
		For Work In Restricted Working Space, Add	*10.23*	
22 11 16 00-0974	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	50.20	17.23
		For Work In Restricted Working Space, Add	*12.92*	
22 11 16 00-0975	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	62.85	21.65
		For Work In Restricted Working Space, Add	*16.22*	
22 11 16 00-0976	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	85.97	27.04
		For Work In Restricted Working Space, Add	*20.24*	
22 11 16 00-0977	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	95.85	29.92
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0978	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	114.87	33.26
		For Work In Restricted Working Space, Add	*24.98*	
22 11 16 00-0979	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	146.68	37.93
		For Work In Restricted Working Space, Add	*28.43*	
22 11 16 00-0980	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	168.48	44.75
		For Work In Restricted Working Space, Add	*33.60*	
22 11 16 00-0981	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	204.56	55.16
		For Work In Restricted Working Space, Add	*41.35*	
22 11 16 00-0982	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	305.55	70.11
		For Work In Restricted Working Space, Add	*52.55*	
22 11 16 00-0983	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	603.01	91.89
		For Work In Restricted Working Space, Add	*68.92*	

22 11 16 00-0984 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0935)*

22 11 16 00-0985	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	49.32	18.19
		For Work In Restricted Working Space, Add	*13.64*	
22 11 16 00-0986	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	63.57	22.97
		For Work In Restricted Working Space, Add	*17.23*	
22 11 16 00-0987	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	79.58	28.84
		For Work In Restricted Working Space, Add	*21.61*	
22 11 16 00-0988	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	105.91	36.01
		For Work In Restricted Working Space, Add	*26.99*	
22 11 16 00-0989	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	117.80	39.84
		For Work In Restricted Working Space, Add	*29.87*	
22 11 16 00-0990	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	138.25	44.39
		For Work In Restricted Working Space, Add	*33.31*	
22 11 16 00-0991	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	171.06	50.49
		For Work In Restricted Working Space, Add	*37.90*	
22 11 16 00-0992	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	197.96	59.70
		For Work In Restricted Working Space, Add	*44.79*	
22 11 16 00-0993	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	241.26	73.46
		For Work In Restricted Working Space, Add	*55.13*	
22 11 16 00-0994	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	345.85	93.44
		For Work In Restricted Working Space, Add	*70.06*	
22 11 16 00-0995	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	627.82	122.52
		For Work In Restricted Working Space, Add	*91.89*	

22 11 16 00-0996 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0935)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0997	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	22.53	8.37
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-0998	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	31.22	11.36
		For Work In Restricted Working Space, Add	*8.51*	
22 11 16 00-0999	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	50.19	14.84
		For Work In Restricted Working Space, Add	*11.13*	
22 11 16 00-1000	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	56.50	16.39
		For Work In Restricted Working Space, Add	*12.31*	
22 11 16 00-1001	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	66.13	18.31
		For Work In Restricted Working Space, Add	*13.75*	
22 11 16 00-1002	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	72.47	20.82
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-1003	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	87.62	24.65
		For Work In Restricted Working Space, Add	*18.49*	
22 11 16 00-1004	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	117.51	30.27
		For Work In Restricted Working Space, Add	*22.76*	
22 11 16 00-1005	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	185.06	38.52
		For Work In Restricted Working Space, Add	*28.90*	
22 11 16 00-1006	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	393.33	50.49
		For Work In Restricted Working Space, Add	*37.90*	

22 11 16 00-1007 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0935)*

22 11 16 00-1008	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	24.58	5.98
		For Work In Restricted Working Space, Add	*4.49*	
22 11 16 00-1009	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	31.43	8.37
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1010	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	39.47	11.36
		For Work In Restricted Working Space, Add	*8.51*	
22 11 16 00-1011	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	49.48	14.84
		For Work In Restricted Working Space, Add	*11.13*	
22 11 16 00-1012	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	57.55	16.39
		For Work In Restricted Working Space, Add	*12.31*	
22 11 16 00-1013	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	71.38	18.31
		For Work In Restricted Working Space, Add	*13.75*	
22 11 16 00-1014	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	106.79	20.82
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-1015	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	204.29	24.65
		For Work In Restricted Working Space, Add	*18.49*	
22 11 16 00-1016	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	300.71	30.27
		For Work In Restricted Working Space, Add	*22.76*	

22 11 16 00-1017 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0935)*

22 11 16 00-1018	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	18.64	5.98
		For Work In Restricted Working Space, Add	*4.49*	
22 11 16 00-1019	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	26.04	8.37
		For Work In Restricted Working Space, Add	*6.32*	
22 11 16 00-1020	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	36.74	11.36
		For Work In Restricted Working Space, Add	*8.51*	
22 11 16 00-1021	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	49.48	14.84
		For Work In Restricted Working Space, Add	*11.13*	
22 11 16 00-1022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	57.79	16.39
		For Work In Restricted Working Space, Add	*12.31*	
22 11 16 00-1023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	68.48	18.31
		For Work In Restricted Working Space, Add	*13.75*	
22 11 16 00-1024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	95.06	20.82
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-1025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	113.48	24.65
		For Work In Restricted Working Space, Add	*18.49*	
22 11 16 00-1026	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	163.53	30.27
		For Work In Restricted Working Space, Add	*22.76*	

22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0935)*

22 11 16 00-1028	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	20.05	5.98
		For Work In Restricted Working Space, Add	*4.49*	
22 11 16 00-1029	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	26.49	8.37
		For Work In Restricted Working Space, Add	*6.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1030	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	36.86	11.36
		For Work In Restricted Working Space, Add	*8.51*	
22 11 16 00-1031	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	49.89	14.84
		For Work In Restricted Working Space, Add	*11.13*	
22 11 16 00-1032	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	55.91	16.39
		For Work In Restricted Working Space, Add	*12.31*	
22 11 16 00-1033	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	66.95	18.31
		For Work In Restricted Working Space, Add	*13.75*	
22 11 16 00-1034	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	95.94	20.82
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-1035	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	128.96	24.65
		For Work In Restricted Working Space, Add	*18.49*	
22 11 16 00-1036	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	189.86	30.27
		For Work In Restricted Working Space, Add	*22.76*	
22 11 16 00-1037		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 11 16 00-0935)*		
22 11 16 00-1038	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	16.78	5.51
		For Work In Restricted Working Space, Add	*4.09*	
22 11 16 00-1039	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	23.57	7.66
		For Work In Restricted Working Space, Add	*5.74*	
22 11 16 00-1040	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	31.70	10.29
		For Work In Restricted Working Space, Add	*7.72*	
22 11 16 00-1041	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	42.65	13.52
		For Work In Restricted Working Space, Add	*10.12*	
22 11 16 00-1042	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	48.56	14.96
		For Work In Restricted Working Space, Add	*11.20*	
22 11 16 00-1043	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	54.66	16.63
		For Work In Restricted Working Space, Add	*12.49*	
22 11 16 00-1044	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	78.63	18.90
		For Work In Restricted Working Space, Add	*14.21*	
22 11 16 00-1045	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	87.56	22.38
		For Work In Restricted Working Space, Add	*16.80*	
22 11 16 00-1046	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	110.27	27.52
		For Work In Restricted Working Space, Add	*20.68*	
22 11 16 00-1047	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	169.15	35.06
		For Work In Restricted Working Space, Add	*26.27*	
22 11 16 00-1048	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	280.15	45.94
		For Work In Restricted Working Space, Add	*34.46*	
22 11 16 00-1049		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions** *(22 11 16 00-0935)*		
22 11 16 00-1050	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	29.76	6.58
		For Work In Restricted Working Space, Add	*4.92*	
22 11 16 00-1051	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	36.99	9.21
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-1052	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	45.34	12.32
		For Work In Restricted Working Space, Add	*9.26*	
22 11 16 00-1053	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	74.46	16.16
		For Work In Restricted Working Space, Add	*12.13*	
22 11 16 00-1054	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	79.38	17.95
		For Work In Restricted Working Space, Add	*13.43*	
22 11 16 00-1055	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	107.47	19.98
		For Work In Restricted Working Space, Add	*15.01*	
22 11 16 00-1056	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	175.96	22.73
		For Work In Restricted Working Space, Add	*17.05*	
22 11 16 00-1057	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	247.27	26.92
		For Work In Restricted Working Space, Add	*20.17*	
22 11 16 00-1058	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	388.73	33.03
		For Work In Restricted Working Space, Add	*24.80*	
22 11 16 00-1059	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	518.39	41.99
		For Work In Restricted Working Space, Add	*31.52*	
22 11 16 00-1060	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	642.74	55.16
		For Work In Restricted Working Space, Add	*41.35*	
22 11 16 00-1061		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps** *(22 11 16 00-0935)*		
22 11 16 00-1062	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	13.49	5.63
		For Work In Restricted Working Space, Add	*2.56*	
22 11 16 00-1063	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	17.80	7.06
		For Work In Restricted Working Space, Add	*3.23*	
22 11 16 00-1064	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.93	8.86
		For Work In Restricted Working Space, Add	*4.05*	
22 11 16 00-1065	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	30.48	6.70
		For Work In Restricted Working Space, Add	*5.06*	
22 11 16 00-1066	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	32.55	7.42
		For Work In Restricted Working Space, Add	*5.60*	
22 11 16 00-1067	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	43.18	8.37
		For Work In Restricted Working Space, Add	*6.25*	
22 11 16 00-1068	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	63.95	9.45
		For Work In Restricted Working Space, Add	*7.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1069	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	69.17	11.24
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-1070	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	103.91	13.76
		For Work In Restricted Working Space, Add	*10.34*	
22 11 16 00-1071	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	216.62	17.46
		For Work In Restricted Working Space, Add	*13.14*	
22 11 16 00-1072	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	279.35	22.97
		For Work In Restricted Working Space, Add	*17.23*	

22 11 16 00-1073 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges *(22 11 16 00-0935)*

22 11 16 00-1074	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	22.83	4.31
		For Work In Restricted Working Space, Add	*3.27*	
22 11 16 00-1075	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	28.11	6.10
		For Work In Restricted Working Space, Add	*4.59*	
22 11 16 00-1076	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	34.83	8.25
		For Work In Restricted Working Space, Add	*6.17*	
22 11 16 00-1077	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	41.71	10.77
		For Work In Restricted Working Space, Add	*8.11*	
22 11 16 00-1078	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	44.93	11.97
		For Work In Restricted Working Space, Add	*8.98*	
22 11 16 00-1079	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	53.22	13.28
		For Work In Restricted Working Space, Add	*9.98*	
22 11 16 00-1080	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	69.08	15.20
		For Work In Restricted Working Space, Add	*11.38*	
22 11 16 00-1081	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	78.73	17.95
		For Work In Restricted Working Space, Add	*13.43*	
22 11 16 00-1082	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	98.21	22.01
		For Work In Restricted Working Space, Add	*16.55*	
22 11 16 00-1083	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	137.80	27.99
		For Work In Restricted Working Space, Add	*21.03*	
22 11 16 00-1084	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	244.59	36.73
		For Work In Restricted Working Space, Add	*27.57*	

22 11 16 00-1085 Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*

22 11 16 00-1086 Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1085)*

Note: Aquatherm greenpipe®

22 11 16 00-1087	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.46	2.03
22 11 16 00-1088	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.35	2.12
22 11 16 00-1089	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.57	2.55
22 11 16 00-1090	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.71	2.72
22 11 16 00-1091	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	14.70	3.06
22 11 16 00-1092	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	19.33	3.12
22 11 16 00-1093	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	27.54	4.24
22 11 16 00-1094	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	36.43	4.91
22 11 16 00-1095	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	48.83	5.49
22 11 16 00-1096	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	57.67	6.06

22 11 16 00-1097 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1085)*

Note: Aquatherm greenpipe®

22 11 16 00-1098	LF	1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.02	2.03
22 11 16 00-1099	LF	3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.62	2.12
22 11 16 00-1100	LF	1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	7.26	2.55
22 11 16 00-1101	LF	1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.80	2.72
22 11 16 00-1102	LF	1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	11.37	3.06
22 11 16 00-1103	LF	2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	14.60	3.12
22 11 16 00-1104	LF	2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	20.26	4.24
22 11 16 00-1105	LF	3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	26.81	4.91
22 11 16 00-1106	LF	3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	36.76	5.49
22 11 16 00-1107	LF	4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	43.37	6.06

22 11 16 00-1108 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1085)*

Note: Aquatherm greenpipe®.

22 11 16 00-1109	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.69	2.03
22 11 16 00-1110	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.67	2.12
22 11 16 00-1111	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.92	2.55
22 11 16 00-1112	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	11.16	2.72
22 11 16 00-1113	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	16.00	3.06
22 11 16 00-1114	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	20.04	3.12
22 11 16 00-1115	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	28.55	4.24
22 11 16 00-1116	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	38.93	4.91
22 11 16 00-1117	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	48.69	5.49
22 11 16 00-1118	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	57.28	6.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1119		**Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe** *(22 11 16 00-1085)* Note: Aquatherm climatherm®.		
22 11 16 00-1120	LF	1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.00	2.04
22 11 16 00-1121	LF	3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.71	2.12
22 11 16 00-1122	LF	1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.78	2.55
22 11 16 00-1123	LF	1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	8.12	2.72
22 11 16 00-1124	LF	1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	10.13	3.07
22 11 16 00-1125	LF	2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.73	3.13
22 11 16 00-1126	LF	2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	17.69	4.24
22 11 16 00-1127	LF	3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	23.24	4.91
22 11 16 00-1128	LF	3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	30.87	5.49
22 11 16 00-1129	LF	4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	37.11	6.06
22 11 16 00-1130	LF	6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	44.65	7.76
22 11 16 00-1131	LF	8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	71.15	10.18
22 11 16 00-1132		**Pipe Clamp For Polypropylene Random (PP-R) Pipe** *(22 11 16 00-1085)*		
22 11 16 00-1133	EA	1/2" Diameter Pipe Clamp For Polypropylene Pipe	13.82	5.03
22 11 16 00-1134	EA	3/4" Diameter Pipe Clamp For Polypropylene Pipe	14.39	5.03
22 11 16 00-1135	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	14.77	5.03
22 11 16 00-1136	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	14.89	5.03
22 11 16 00-1137	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	15.34	5.03
22 11 16 00-1138	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	16.61	5.03
22 11 16 00-1139	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	18.45	5.03
22 11 16 00-1140	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	19.08	5.03
22 11 16 00-1141	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	19.97	5.03
22 11 16 00-1142	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	21.18	5.03
22 11 16 00-1143		**Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap** *(22 11 16 00-1085)*		
22 11 16 00-1144	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.70	
22 11 16 00-1145	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.85	
22 11 16 00-1146	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.93	
22 11 16 00-1147	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	4.98	
22 11 16 00-1148		**Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp** *(22 11 16 00-1085)*		
22 11 16 00-1149	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.13	2.62
22 11 16 00-1150	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	11.52	2.62
22 11 16 00-1151		**Polypropylene Random (PP-R), Heat Fusion, Socket Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1152	EA	1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	9.73	4.06
22 11 16 00-1153	EA	3/4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	10.28	4.24
22 11 16 00-1154	EA	1" Diameter, Polypropylene, Heat Fusion, Socket Coupling	12.55	5.09
22 11 16 00-1155	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	13.75	5.46
22 11 16 00-1156	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	18.21	6.12
22 11 16 00-1157	EA	2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	24.40	6.24
22 11 16 00-1158	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	30.31	8.48
22 11 16 00-1159	EA	3" Diameter, Polypropylene, Heat Fusion, Socket Coupling	48.97	9.82
22 11 16 00-1160	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Socket Coupling	69.65	10.97
22 11 16 00-1161	EA	4" Diameter, Polypropylene, Heat Fusion, Socket Coupling	86.84	12.13
22 11 16 00-1162		**Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1085)*		
22 11 16 00-1163	EA	1" Diameter, Polypropylene, Heat Fusion, Bushing	10.52	4.06
22 11 16 00-1164	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Bushing	12.17	4.24
22 11 16 00-1165	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	16.29	5.09
22 11 16 00-1166	EA	2" Diameter, Polypropylene, Heat Fusion, Bushing	23.12	5.46
22 11 16 00-1167	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	25.92	6.12
22 11 16 00-1168	EA	3" Diameter, Polypropylene, Heat Fusion, Bushing	42.92	6.24
22 11 16 00-1169	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	65.63	8.48
22 11 16 00-1170	EA	4" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	79.02	9.82
22 11 16 00-1171	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Bushing	95.79	10.97
22 11 16 00-1172	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Bushing	100.29	12.13
22 11 16 00-1173		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1085)*		
22 11 16 00-1174	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	14.19	4.24
22 11 16 00-1175	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	18.79	5.09
22 11 16 00-1176	EA	2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	28.08	5.46
22 11 16 00-1177	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	31.12	6.12
22 11 16 00-1178	EA	3" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	37.91	6.24
22 11 16 00-1179	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	61.08	8.48
22 11 16 00-1180	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	79.33	10.30
22 11 16 00-1181	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Coupling	88.87	12.13
22 11 16 00-1182		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1085)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1183	EA	1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	17.98	8.12
22 11 16 00-1184	EA	3/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	19.31	8.55
22 11 16 00-1185	EA	1" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	23.56	10.18
22 11 16 00-1186	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	26.86	10.97
22 11 16 00-1187	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	34.96	12.19
22 11 16 00-1188	EA	2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	41.13	12.42
22 11 16 00-1189	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	70.17	17.03
22 11 16 00-1190	EA	3" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	99.29	19.64
22 11 16 00-1191	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	129.12	21.94
22 11 16 00-1192	EA	4" Diameter, Polypropylene, Heat Fusion, 90 Degree Elbow	179.80	24.24
22 11 16 00-1193		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1194	EA	1/2" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	17.98	8.12
22 11 16 00-1195	EA	3/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	19.31	8.55
22 11 16 00-1196	EA	1" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	23.56	10.18
22 11 16 00-1197	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 90 Degree Street Elbow	26.86	10.97
22 11 16 00-1198		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1199	EA	1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	17.98	8.12
22 11 16 00-1200	EA	3/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	19.31	8.55
22 11 16 00-1201	EA	1" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	23.56	10.18
22 11 16 00-1202	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	26.86	10.97
22 11 16 00-1203	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	34.96	12.19
22 11 16 00-1204	EA	2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	40.94	12.42
22 11 16 00-1205	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	69.74	17.03
22 11 16 00-1206	EA	3" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	105.13	19.64
22 11 16 00-1207	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	137.66	21.94
22 11 16 00-1208	EA	4" Diameter, Polypropylene, Heat Fusion, 45 Degree Elbow	192.90	24.24
22 11 16 00-1209		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1085)*		
22 11 16 00-1210	EA	1/2" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	17.96	8.12
22 11 16 00-1211	EA	3/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	19.31	8.55
22 11 16 00-1212	EA	1" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	23.56	10.18
22 11 16 00-1213	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, 45 Degree Street Elbow	26.86	10.97
22 11 16 00-1214		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1085)*		
22 11 16 00-1215	EA	1/2" Diameter, Polypropylene, Heat Fusion, Tee	26.69	12.19
22 11 16 00-1216	EA	3/4" Diameter, Polypropylene, Heat Fusion, Tee	28.78	12.79
22 11 16 00-1217	EA	1" Diameter, Polypropylene, Heat Fusion, Tee	34.50	15.22
22 11 16 00-1218	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Tee	39.05	16.43
22 11 16 00-1219	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Tee	54.33	18.31
22 11 16 00-1220	EA	2" Diameter, Polypropylene, Heat Fusion, Tee	62.71	18.67
22 11 16 00-1221	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Tee	93.56	25.51
22 11 16 00-1222	EA	3" Diameter, Polypropylene, Heat Fusion, Tee	129.13	29.45
22 11 16 00-1223	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Tee	175.23	32.88
22 11 16 00-1224	EA	4" Diameter, Polypropylene, Heat Fusion, Tee	218.11	36.30
22 11 16 00-1225		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1085)*		
22 11 16 00-1226	EA	1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	26.69	12.19
22 11 16 00-1227	EA	3/4" Diameter, Polypropylene, Heat Fusion, Reducing Tee	28.78	12.79
22 11 16 00-1228	EA	1" Diameter, Polypropylene, Heat Fusion, Reducing Tee	34.45	15.22
22 11 16 00-1229	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Reducing Tee	39.05	16.43
22 11 16 00-1230	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	54.33	18.31
22 11 16 00-1231	EA	2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	61.18	18.67
22 11 16 00-1232	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	89.92	25.51
22 11 16 00-1233	EA	3" Diameter, Polypropylene, Heat Fusion, Reducing Tee	136.88	29.45
22 11 16 00-1234	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	187.60	32.88
22 11 16 00-1235	EA	4" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	213.71	36.30
22 11 16 00-1236	EA	4" x 3" Diameter, Polypropylene, Heat Fusion, Reducing Tee	218.61	36.30
22 11 16 00-1237	EA	4" x 3-1/2" Diameter, Polypropylene, Heat Fusion, Reducing Tee	219.16	36.30
22 11 16 00-1238		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1085)*		
22 11 16 00-1239	EA	1/2" Diameter, Polypropylene, Heat Fusion, End Cap	10.64	4.06
22 11 16 00-1240	EA	3/4" Diameter, Polypropylene, Heat Fusion, End Cap	11.68	4.24
22 11 16 00-1241	EA	1" Diameter, Polypropylene, Heat Fusion, End Cap	14.06	5.09
22 11 16 00-1242	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, End Cap	17.02	5.46
22 11 16 00-1243	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	20.67	6.12
22 11 16 00-1244	EA	2" Diameter, Polypropylene, Heat Fusion, End Cap	26.58	6.24
22 11 16 00-1245	EA	2-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	37.41	8.48
22 11 16 00-1246	EA	3" Diameter, Polypropylene, Heat Fusion, End Cap	65.82	9.82
22 11 16 00-1247	EA	3-1/2" Diameter, Polypropylene, Heat Fusion, End Cap	77.49	10.97
22 11 16 00-1248	EA	4" Diameter, Polypropylene, Heat Fusion, End Cap	108.84	12.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1249		Polypropylene Random (PP-R), Heat Fusion Outlet *(22 11 16 00-1085)*		
22 11 16 00-1250	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	13.34	
22 11 16 00-1251	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	13.70	
22 11 16 00-1252	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.93	
22 11 16 00-1253	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	14.29	
22 11 16 00-1254	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	14.93	
22 11 16 00-1255	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	15.29	
22 11 16 00-1256	EA	2" x 1" Polypropylene, Heat Fusion Outlet	17.12	
22 11 16 00-1257	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.92	
22 11 16 00-1258	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	16.28	
22 11 16 00-1259	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	18.11	
22 11 16 00-1260	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.95	
22 11 16 00-1261	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	16.91	
22 11 16 00-1262	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	17.27	
22 11 16 00-1263	EA	3" x 1" Polypropylene, Heat Fusion Outlet	19.10	
22 11 16 00-1264	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.94	
22 11 16 00-1265	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.91	
22 11 16 00-1266	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	18.26	
22 11 16 00-1267	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	20.09	
22 11 16 00-1268	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.93	
22 11 16 00-1269	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.76	
22 11 16 00-1270	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	18.89	
22 11 16 00-1271	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	19.25	
22 11 16 00-1272	EA	4" x 1" Polypropylene, Heat Fusion Outlet	21.08	
22 11 16 00-1273	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	21.92	
22 11 16 00-1274	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	24.76	
22 11 16 00-1275	EA	4" x 2" Polypropylene, Heat Fusion Outlet	29.21	
22 11 16 00-1276		Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included *(22 11 16 00-1085)*		
22 11 16 00-1277	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	15.75	5.09
22 11 16 00-1278	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	17.48	5.46
22 11 16 00-1279	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	22.53	6.12
22 11 16 00-1280	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	24.08	6.24
22 11 16 00-1281	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	33.21	8.48
22 11 16 00-1282	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	52.66	9.82
22 11 16 00-1283	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	71.12	10.97
22 11 16 00-1284	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	149.50	12.13
22 11 16 00-1285		Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern *(22 11 16 00-1085)*		
22 11 16 00-1286	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	26.35	
22 11 16 00-1287	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	34.78	
22 11 16 00-1288	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	43.40	
22 11 16 00-1289	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	51.56	
22 11 16 00-1290	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	72.08	
22 11 16 00-1291	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	83.68	
22 11 16 00-1292	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	103.64	
22 11 16 00-1293	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	125.51	
22 11 16 00-1294		Polypropylene Random (PP-R), Electrofusion Coupling *(22 11 16 00-1085)*		
22 11 16 00-1295	EA	1/2" Polypropylene, Electrofusion Coupling	57.77	8.12
22 11 16 00-1296	EA	3/4" Polypropylene, Electrofusion Coupling	60.24	8.55
22 11 16 00-1297	EA	1" Polypropylene, Electrofusion Coupling	68.69	10.18
22 11 16 00-1298	EA	1-1/4" Polypropylene, Electrofusion Coupling	71.04	10.97
22 11 16 00-1299	EA	1-1/2" Polypropylene, Electrofusion Coupling	77.32	12.19
22 11 16 00-1300	EA	2" Polypropylene, Electrofusion Coupling	101.63	12.42
22 11 16 00-1301	EA	2-1/2" Polypropylene, Electrofusion Coupling	125.07	17.03
22 11 16 00-1302	EA	3" Polypropylene, Electrofusion Coupling	155.41	19.64
22 11 16 00-1303	EA	3-1/2" Polypropylene, Electrofusion Coupling	208.80	21.94
22 11 16 00-1304	EA	4" Polypropylene, Electrofusion Coupling	256.06	24.24
22 11 16 00-1305		Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow *(22 11 16 00-1085)*		
22 11 16 00-1306	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	31.53	11.16
22 11 16 00-1307	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	36.96	11.57
22 11 16 00-1308		Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow *(22 11 16 00-1085)*		
22 11 16 00-1309	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	33.75	11.16
22 11 16 00-1310		Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test *(22 11 16 00-1085)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1311	EA	1/2" Diameter, Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.38	4.06
22 11 16 00-1312	EA	3/4" Diameter, Polypropylene, Heat Fusion, ISO Plug For Pressure Test	10.11	4.24
22 11 16 00-1313		Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece *(22 11 16 00-1085)*		
22 11 16 00-1314	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.15	8.12
22 11 16 00-1315	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	26.66	8.12
22 11 16 00-1316	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	24.99	8.55
22 11 16 00-1317	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	27.50	8.55
22 11 16 00-1318	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	31.81	10.18
22 11 16 00-1319		Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece *(22 11 16 00-1085)*		
22 11 16 00-1320	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	28.65	8.12
22 11 16 00-1321	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	30.78	8.12
22 11 16 00-1322	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.49	8.55
22 11 16 00-1323	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	31.62	8.55
22 11 16 00-1324	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	37.09	10.18
22 11 16 00-1325	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	54.34	10.18
22 11 16 00-1326	EA	1-1/4" x 1" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	57.61	10.97
22 11 16 00-1327	EA	1-1/4" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	75.62	10.97
22 11 16 00-1328	EA	1-1/2" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	79.82	12.19
22 11 16 00-1329	EA	1-1/2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	86.62	12.19
22 11 16 00-1330	EA	2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	93.05	12.42
22 11 16 00-1331	EA	2" x 2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	121.25	12.42
22 11 16 00-1332	EA	2-1/2" x 2" Diameter, Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	134.71	17.03
22 11 16 00-1333		Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece *(22 11 16 00-1085)*		
22 11 16 00-1334	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	34.86	8.12
22 11 16 00-1335	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	37.52	8.12
22 11 16 00-1336	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	35.70	8.55
22 11 16 00-1337	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	38.36	8.55
22 11 16 00-1338	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	45.49	10.18
22 11 16 00-1339		Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece *(22 11 16 00-1085)*		
22 11 16 00-1340	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	29.90	8.12
22 11 16 00-1341	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	31.85	8.12
22 11 16 00-1342	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	32.69	8.55
22 11 16 00-1343	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	46.51	10.18
22 11 16 00-1344	EA	1" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	64.38	10.18
22 11 16 00-1345	EA	1-1/4" x 1" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	49.05	10.97
22 11 16 00-1346	EA	1-1/4" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	68.77	10.97
22 11 16 00-1347	EA	1-1/2" x 1-1/4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	72.74	12.19
22 11 16 00-1348	EA	1-1/2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	83.96	12.19
22 11 16 00-1349	EA	2" x 1-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	95.46	12.42
22 11 16 00-1350	EA	2" x 2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	107.42	12.42
22 11 16 00-1351	EA	2-1/2" x 2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	118.63	17.03
22 11 16 00-1352	EA	2-1/2" x 2-1/2" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	160.65	17.03
22 11 16 00-1353	EA	3" x 3" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	236.69	19.64
22 11 16 00-1354	EA	3-1/2" x 4" Diameter, Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	448.62	21.94
22 11 16 00-1355		Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow *(22 11 16 00-1085)*		
22 11 16 00-1356	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.06	8.12
22 11 16 00-1357	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	25.48	8.12
22 11 16 00-1358	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	30.90	8.55
22 11 16 00-1359	EA	3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	26.32	8.55
22 11 16 00-1360	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	35.65	10.18
22 11 16 00-1361	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Elbow	53.45	10.18
22 11 16 00-1362		Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow *(22 11 16 00-1085)*		
22 11 16 00-1363	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	25.48	8.12
22 11 16 00-1364		Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow *(22 11 16 00-1085)*		
22 11 16 00-1365	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.77	8.12
22 11 16 00-1366	EA	1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	29.25	8.12
22 11 16 00-1367	EA	3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	30.09	8.55
22 11 16 00-1368	EA	1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	37.35	10.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1369	EA	1" x 1" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Elbow	50.57	10.18
22 11 16 00-1370		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1085)*		
22 11 16 00-1371	EA	1/2" x 1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	35.29	12.19
22 11 16 00-1372	EA	1/2" x 1/2" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.91	12.19
22 11 16 00-1373	EA	3/4" x 3/4" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	36.51	12.79
22 11 16 00-1374	EA	3/4" x 3/4" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	40.13	12.79
22 11 16 00-1375	EA	1" x 1" x 3/4" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	47.42	15.22
22 11 16 00-1376	EA	1" x 1" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	63.67	15.22
22 11 16 00-1377	EA	1-1/2" x 1-1/2" x 1" Diameter, Polypropylene, Heat Fusion, Transition FIP NPT Tee	74.03	18.31
22 11 16 00-1378		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1085)*		
22 11 16 00-1379	EA	1/2" x 1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition MIP NPT Tee	37.73	12.19
22 11 16 00-1380		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1085)*		
22 11 16 00-1381	EA	1/2" x 1/2" Diameter, Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	25.63	4.06
22 11 16 00-1382		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1085)*		
22 11 16 00-1383	EA	1/2" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	22.56	
22 11 16 00-1384	EA	3/4" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	28.69	
22 11 16 00-1385	EA	1" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	39.34	
22 11 16 00-1386		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1085)*		
22 11 16 00-1387	EA	1/2" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	26.11	
22 11 16 00-1388	EA	3/4" Diameter, Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	35.25	
22 11 16 00-1389		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1085)*		
22 11 16 00-1390	EA	1/2" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	18.38	4.06
22 11 16 00-1391	EA	3/4" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	27.19	4.24
22 11 16 00-1392	EA	1" Diameter, Polypropylene, Heat Fusion, PEX Adaptor	35.54	5.09
22 11 16 00-1393		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1085)*		
22 11 16 00-1394	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	25.74	8.91
22 11 16 00-1395	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	26.70	9.39
22 11 16 00-1396	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	37.43	11.16
22 11 16 00-1397	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	56.50	12.06
22 11 16 00-1398		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1085)*		
22 11 16 00-1399	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	71.47	8.91
22 11 16 00-1400	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	72.43	9.39
22 11 16 00-1401	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	86.54	11.16
22 11 16 00-1402	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	140.81	12.06
22 11 16 00-1403		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1085)*		
22 11 16 00-1404	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	66.21	8.91
22 11 16 00-1405	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	73.26	9.39
22 11 16 00-1406	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	88.82	11.16
22 11 16 00-1407	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	124.71	12.06
22 11 16 00-1408	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	180.54	13.39
22 11 16 00-1409	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	273.31	13.70
22 11 16 00-1410		**Extension For Ball Valve** *(22 11 16 00-1085)*		
22 11 16 00-1411	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	33.69	
22 11 16 00-1412	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	33.74	
22 11 16 00-1413	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	36.86	
22 11 16 00-1414		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1085)*		
22 11 16 00-1415	EA	1/2" Diameter, Polypropylene, Heat Fusion, Draining Branch	32.82	8.12
22 11 16 00-1416	EA	3/4" Diameter, Polypropylene, Heat Fusion, Draining Branch	33.66	8.55
22 11 16 00-1417	EA	1" Diameter, Polypropylene, Heat Fusion, Draining Branch	38.68	10.18
22 11 16 00-1418	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Draining Branch	40.26	10.97
22 11 16 00-1419	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Draining Branch	44.21	12.19
22 11 16 00-1420	EA	2" Diameter, Polypropylene, Heat Fusion, Draining Branch	47.36	12.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1421		**Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1422		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1421)*		
22 11 16 00-1423	LF	1/2" Diameter, Schedule 40 Red Brass Pipe	30.72	2.52
22 11 16 00-1424	LF	3/4" Diameter, Schedule 40 Red Brass Pipe	40.58	2.52
22 11 16 00-1425	LF	1" Diameter, Schedule 40 Red Brass Pipe	55.24	2.52
22 11 16 00-1426	LF	1-1/4" Diameter, Schedule 40 Red Brass Pipe	80.86	2.75
22 11 16 00-1427	LF	1-1/2" Diameter, Schedule 40 Red Brass Pipe	93.09	2.99
22 11 16 00-1428	LF	2" Diameter, Schedule 40 Red Brass Pipe	119.26	3.59
22 11 16 00-1429	LF	2-1/2" Diameter, Schedule 40 Red Brass Pipe	173.28	4.07
22 11 16 00-1430	LF	3" Diameter, Schedule 40 Red Brass Pipe	244.60	4.31
22 11 16 00-1431	LF	4" Diameter, Schedule 40 Red Brass Pipe	350.40	4.31
22 11 16 00-1432		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1433	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	68.99	29.79
22 11 16 00-1434	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	78.09	32.78
22 11 16 00-1435	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	97.89	38.76
22 11 16 00-1436	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	116.45	41.63
22 11 16 00-1437	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	130.27	44.63
22 11 16 00-1438	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	161.38	47.62
22 11 16 00-1439	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	271.82	59.58
22 11 16 00-1440	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	376.13	71.43
22 11 16 00-1441	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Elbow	662.72	95.24
22 11 16 00-1442		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1443	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	72.14	29.79
22 11 16 00-1444	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	82.67	32.78
22 11 16 00-1445	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	107.47	38.76
22 11 16 00-1446	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	129.02	41.63
22 11 16 00-1447	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	147.57	44.63
22 11 16 00-1448	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	199.15	47.62
22 11 16 00-1449	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	303.29	59.58
22 11 16 00-1450	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	472.86	71.43
22 11 16 00-1451	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	936.44	95.24
22 11 16 00-1452		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1421)*		
22 11 16 00-1453	EA	1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	70.59	29.79
22 11 16 00-1454	EA	3/4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	81.22	32.78
22 11 16 00-1455	EA	1" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	104.19	38.76
22 11 16 00-1456	EA	1-1/4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	125.89	41.63
22 11 16 00-1457	EA	1-1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	142.84	44.63
22 11 16 00-1458	EA	2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	181.83	47.62
22 11 16 00-1459	EA	2-1/2" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	284.36	59.58
22 11 16 00-1460	EA	3" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	397.61	71.43
22 11 16 00-1461	EA	4" Diameter, 125 LB Cast Bronze, Screwed, 45 Degree Elbow	872.84	95.24
22 11 16 00-1462		**125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1421)*		
22 11 16 00-1463	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	100.36	44.63
22 11 16 00-1464	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	113.38	48.82
22 11 16 00-1465	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	143.88	57.79
22 11 16 00-1466	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	173.86	62.58
22 11 16 00-1467	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	188.48	66.64
22 11 16 00-1468	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	234.20	71.43
22 11 16 00-1469	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	386.41	89.37
22 11 16 00-1470	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	531.99	107.20
22 11 16 00-1471	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Tee	1,072.78	142.85
22 11 16 00-1472		**125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1421)*		
22 11 16 00-1473	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	105.07	44.63
22 11 16 00-1474	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	116.56	48.82
22 11 16 00-1475	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	156.47	57.79
22 11 16 00-1476	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	183.30	62.58
22 11 16 00-1477	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	213.66	66.64
22 11 16 00-1478	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	273.55	71.43
22 11 16 00-1479	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	462.93	89.37
22 11 16 00-1480	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	864.54	107.20
22 11 16 00-1481	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,335.09	142.85
22 11 16 00-1482		**125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1421)*		
22 11 16 00-1483	EA	1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	141.15	59.58
22 11 16 00-1484	EA	3/4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	162.49	65.45
22 11 16 00-1485	EA	1" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	203.63	77.41
22 11 16 00-1486	EA	1-1/4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	249.31	83.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1487	EA	1-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	292.39	89.37
22 11 16 00-1488	EA	2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	417.98	95.24
22 11 16 00-1489	EA	2-1/2" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	668.46	119.05
22 11 16 00-1490	EA	3" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	916.98	142.85
22 11 16 00-1491	EA	4" Diameter, 125 Lb., Cast Bronze, Screwed, Cross	1,671.94	190.59
22 11 16 00-1492		**125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1421)*		
22 11 16 00-1493	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	33.08	17.71
22 11 16 00-1494	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	37.37	19.51
22 11 16 00-1495	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	49.12	22.97
22 11 16 00-1496	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	62.68	24.77
22 11 16 00-1497	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	73.28	26.56
22 11 16 00-1498	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	99.54	28.35
22 11 16 00-1499	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	157.45	35.41
22 11 16 00-1500	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	224.89	42.48
22 11 16 00-1501	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Cap	391.97	56.59
22 11 16 00-1502		**125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1421)*		
22 11 16 00-1503	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	67.44	29.79
22 11 16 00-1504	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	76.54	32.78
22 11 16 00-1505	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	96.31	38.76
22 11 16 00-1506	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	114.85	41.63
22 11 16 00-1507	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	130.27	44.63
22 11 16 00-1508	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	162.96	47.62
22 11 16 00-1509	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	229.29	59.58
22 11 16 00-1510	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	295.63	71.43
22 11 16 00-1511	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Coupling	505.32	95.24
22 11 16 00-1512		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1421)*		
22 11 16 00-1513	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	59.18	23.81
22 11 16 00-1514	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	67.53	26.80
22 11 16 00-1515	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	91.56	35.77
22 11 16 00-1516	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	108.80	38.76
22 11 16 00-1517	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	122.91	41.63
22 11 16 00-1518	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	147.82	44.63
22 11 16 00-1519	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	214.19	56.59
22 11 16 00-1520	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	259.39	65.45
22 11 16 00-1521	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	447.23	86.38
22 11 16 00-1522		**125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1421)*		
22 11 16 00-1523	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	60.48	23.81
22 11 16 00-1524	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	107.78	32.78
22 11 16 00-1525	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	140.37	35.77
22 11 16 00-1526	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	163.90	38.76
22 11 16 00-1527	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	217.63	44.63
22 11 16 00-1528	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	333.22	56.59
22 11 16 00-1529	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	401.36	59.58
22 11 16 00-1530	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	457.06	77.41
22 11 16 00-1531		**125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1421)*		
22 11 16 00-1532	EA	1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	72.82	23.81
		For 150 Lb., Add	*10.07*	
22 11 16 00-1533	EA	3/4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	87.02	26.20
		For 150 Lb., Add	*13.85*	
22 11 16 00-1534	EA	1" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	107.58	30.99
		For 150 Lb., Add	*18.26*	
22 11 16 00-1535	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	132.78	33.38
		For 150 Lb., Add	*26.43*	
22 11 16 00-1536	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	150.19	35.77
		For 150 Lb., Add	*31.49*	
22 11 16 00-1537	EA	2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	177.15	40.44
		For 150 Lb., Add	*38.47*	
22 11 16 00-1538	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	304.55	59.82
		For 150 Lb., Add	*73.96*	
		For 250 Lb., Add	*157.17*	
		For 300 Lb., Add	*221.88*	
22 11 16 00-1539	EA	3" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	443.01	78.66
		For 150 Lb., Add	*114.27*	
		For 250 Lb., Add	*242.82*	
		For 300 Lb., Add	*342.80*	
22 11 16 00-1540	EA	4" Diameter, 125 Lb. Cast Bronze, FIP Threaded, Union	804.46	87.10
		For 150 Lb., Add	*252.05*	
		For 250 Lb., Add	*535.61*	
		For 300 Lb., Add	*756.16*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1541		125 Lb. Cast Bronze, Screwed, Companion Flanges *(22 11 16 00-1421)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-1542	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	199.08	29.79
22 11 16 00-1543	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	217.42	35.77
22 11 16 00-1544	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	249.32	41.63
22 11 16 00-1545	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	283.92	44.63
22 11 16 00-1546	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	335.63	47.62
22 11 16 00-1547	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	421.76	50.61
22 11 16 00-1548	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	531.18	59.58
22 11 16 00-1549	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	658.24	74.42
22 11 16 00-1550	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Companion Flange	938.12	104.21
22 11 16 00-1551		125 Lb. Cast Bronze, Screwed, Square Head Plugs *(22 11 16 00-1421)*		
22 11 16 00-1552	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	20.10	
22 11 16 00-1553	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	20.62	
22 11 16 00-1554	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	31.73	
22 11 16 00-1555	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	36.47	
22 11 16 00-1556	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	41.35	
22 11 16 00-1557	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	61.93	
22 11 16 00-1558	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	93.31	
22 11 16 00-1559	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	136.16	
22 11 16 00-1560	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Square Head Plug	227.75	
22 11 16 00-1561		125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs *(22 11 16 00-1421)*		
22 11 16 00-1562	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	7.89	
22 11 16 00-1563	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	9.44	
22 11 16 00-1564	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	14.19	
22 11 16 00-1565	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	22.05	
22 11 16 00-1566	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	34.92	
22 11 16 00-1567	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	54.12	
22 11 16 00-1568	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	105.33	
22 11 16 00-1569	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	170.59	
22 11 16 00-1570	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	416.06	
22 11 16 00-1571		125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings *(22 11 16 00-1421)*		
22 11 16 00-1572	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28	
22 11 16 00-1573	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89	
22 11 16 00-1574	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04	
22 11 16 00-1575	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90	
22 11 16 00-1576	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78	
22 11 16 00-1577	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09	
22 11 16 00-1578	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43	
22 11 16 00-1579	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81	
22 11 16 00-1580	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99	
22 11 16 00-1581		125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings *(22 11 16 00-1421)*		
22 11 16 00-1582	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.04	
22 11 16 00-1583	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.72	
22 11 16 00-1584	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	27.41	
22 11 16 00-1585	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22	
22 11 16 00-1586	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53	
22 11 16 00-1587	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	58.63	
22 11 16 00-1588	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70	
22 11 16 00-1589	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	189.39	
22 11 16 00-1590	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	397.98	
22 11 16 00-1591		1/2" Red Brass Pipe Nipples *(22 11 16 00-1421)*		
		Note: Threaded both ends.		
22 11 16 00-1592	EA	1/2" Diameter x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1593	EA	1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1594	EA	1/2" Diameter x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1595	EA	1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1596	EA	1/2" Diameter x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1597	EA	1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1598	EA	1/2" Diameter x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1599	EA	1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1600	EA	1/2" Diameter x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1601	EA	1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1602	EA	1/2" Diameter x 6" Long, Red Brass Pipe Nipple	39.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1603		3/4" Red Brass Pipe Nipples *(22 11 16 00-1421)*		
		Note: Threaded both ends.		
22 11 16 00-1604	EA	3/4" Diameter x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1605	EA	3/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1606	EA	3/4" Diameter x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1607	EA	3/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1608	EA	3/4" Diameter x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1609	EA	3/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1610	EA	3/4" Diameter x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1611	EA	3/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1612	EA	3/4" Diameter x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1613	EA	3/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1614	EA	3/4" Diameter x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1615		1" Red Brass Pipe Nipples *(22 11 16 00-1421)*		
		Note: Threaded both ends.		
22 11 16 00-1616	EA	1" Diameter x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1617	EA	1" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1618	EA	1" Diameter x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1619	EA	1" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1620	EA	1" Diameter x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1621	EA	1" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1622	EA	1" Diameter x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1623	EA	1" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1624	EA	1" Diameter x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1625	EA	1" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1626	EA	1" Diameter x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1627		1-1/4" Red Brass Pipe Nipples *(22 11 16 00-1421)*		
		Note: Threaded both ends.		
22 11 16 00-1628	EA	1-1/4" Diameter x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1629	EA	1-1/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1630	EA	1-1/4" Diameter x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1631	EA	1-1/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1632	EA	1-1/4" Diameter x 3" Long, Red Brass Pipe Nipple	56.03	
22 11 16 00-1633	EA	1-1/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1634	EA	1-1/4" Diameter x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1635	EA	1-1/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1636	EA	1-1/4" Diameter x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1637	EA	1-1/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1638	EA	1-1/4" Diameter x 6" Long, Red Brass Pipe Nipple	106.56	
22 11 16 00-1639		1-1/2" Red Brass Pipe Nipples *(22 11 16 00-1421)*		
		Note: Threaded both ends.		
22 11 16 00-1640	EA	1-1/2" Diameter x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1641	EA	1-1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1642	EA	1-1/2" Diameter x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1643	EA	1-1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1644	EA	1-1/2" Diameter x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1645	EA	1-1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1646	EA	1-1/2" Diameter x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1647	EA	1-1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1648	EA	1-1/2" Diameter x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1649	EA	1-1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1650	EA	1-1/2" Diameter x 6" Long, Red Brass Pipe Nipple	124.08	
22 11 16 00-1651		2" Red Brass Pipe Nipples *(22 11 16 00-1421)*		
		Note: Threaded both ends.		
22 11 16 00-1652	EA	2" Diameter x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1653	EA	2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1654	EA	2" Diameter x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1655	EA	2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1656	EA	2" Diameter x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1657	EA	2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1658	EA	2" Diameter x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1659	EA	2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1660	EA	2" Diameter x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1661	EA	2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1662	EA	2" Diameter x 6" Long, Red Brass Pipe Nipple	158.83	
22 11 16 00-1663		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing And Fittings (Viega) *(22 11 16)*		
		Note: ASTM F876/F877 standards and listed to ANSI/NSF Standards 14 and 61		
22 11 16 00-1664		Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing *(22 11 16 00-1663)*		
22 11 16 00-1665	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	5.78	3.47

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1666	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	7.58	4.31
22 11 16 00-1667	LF	1" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	8.86	4.55
22 11 16 00-1668	LF	1-1/4" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	14.77	4.76
22 11 16 00-1669	LF	1-1/2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	16.03	5.02
22 11 16 00-1670	LF	2" Diameter, Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	24.70	5.98

22 11 16 00-1671 Cross-Linked Polyethylene (PEX, XPE or XLPE) Fittings *(22 11 16 00-1663)*

22 11 16 00-1672 Male Adapters *(22 11 16 00-1671)*

22 11 16 00-1673	EA	1/2" Diameter, Male Adapter, Bronze Press Fitting	23.30	12.92
22 11 16 00-1674	EA	3/4" Diameter, Male Adapter, Bronze Press Fitting	32.99	17.11
22 11 16 00-1675	EA	1" Diameter, Male Adapter, Bronze Press Fitting	44.24	21.30
22 11 16 00-1676	EA	1-1/4" Diameter, Male Adapter, Bronze Press Fitting	74.39	27.58
22 11 16 00-1677	EA	1-1/2" Diameter, Male Adapter, Bronze Press Fitting	84.54	33.98
22 11 16 00-1678	EA	2" Diameter, Male Adapter, Bronze Press Fitting	111.36	43.19

22 11 16 00-1679 Female Adapters *(22 11 16 00-1671)*

22 11 16 00-1680	EA	1/2" Diameter, Female Adapter, Bronze Press Fitting	25.97	12.92
22 11 16 00-1681	EA	3/4" Diameter, Female Adapter, Bronze Press Fitting	33.67	17.11
22 11 16 00-1682	EA	1" Diameter, Female Adapter, Bronze Press Fitting	49.67	21.30

22 11 16 00-1683 Tees *(22 11 16 00-1671)*

22 11 16 00-1684	EA	1/2" Diameter, Tee, Bronze Press Fitting	39.35	21.30
22 11 16 00-1685	EA	5/8" Diameter, Tee, Bronze Press Fitting	47.30	25.73
22 11 16 00-1686	EA	3/4" Diameter, Tee, Bronze Press Fitting	48.83	25.73
22 11 16 00-1687	EA	1" Diameter, Tee, Bronze Press Fitting	74.79	33.98
22 11 16 00-1688	EA	1-1/4" Diameter, Tee, Bronze Press Fitting	118.33	42.69
22 11 16 00-1689	EA	1-1/2" Diameter, Tee, Bronze Press Fitting	142.36	51.45
22 11 16 00-1690	EA	2" Diameter, Tee, Bronze Press Fitting	186.20	63.89
22 11 16 00-1691	EA	3/4" x 1/2" Diameter, Reducing Tee, Bronze Press Fitting	48.83	25.73
22 11 16 00-1692	EA	1" x 3/4" Diameter, Reducing Tee, Bronze Press Fitting	68.98	33.98
22 11 16 00-1693	EA	1-1/4" x 1" Diameter, Reducing Tee, Bronze Press Fitting	109.84	42.69
22 11 16 00-1694	EA	1-1/2" x 1" Diameter, Reducing Tee, Bronze Press Fitting	133.49	51.45
22 11 16 00-1695	EA	1-1/2" x 1-1/4" Diameter, Reducing Tee, Bronze Press Fitting	140.64	51.45
22 11 16 00-1696	EA	2" x 1-1/2" Diameter, Reducing Tee, Bronze Press Fitting	175.22	63.89

22 11 16 00-1697 Couplings *(22 11 16 00-1671)*

22 11 16 00-1698	EA	1/2" Diameter, Coupling, Bronze Press Fitting	23.41	12.92
22 11 16 00-1699	EA	5/8" Diameter, Coupling, Bronze Press Fitting	32.99	17.11
22 11 16 00-1700	EA	3/4" Diameter, Coupling, Bronze Press Fitting	32.53	17.11
22 11 16 00-1701	EA	1" Diameter, Coupling, Bronze Press Fitting	45.01	21.30
22 11 16 00-1702	EA	1-1/4" Diameter, Coupling, Bronze Press Fitting	73.05	27.58
22 11 16 00-1703	EA	1-1/2" Diameter, Coupling, Bronze Press Fitting	95.44	33.98
22 11 16 00-1704	EA	2" Diameter, Coupling, Bronze Press Fitting	126.48	43.19
22 11 16 00-1705	EA	3/4" x 1/2" Diameter, Reducing Coupling, Bronze Press Fitting	35.97	17.11
22 11 16 00-1706	EA	1" x 3/4" Diameter, Reducing Coupling, Bronze Press Fitting	44.62	21.30
22 11 16 00-1707	EA	1-1/4" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	67.39	27.58
22 11 16 00-1708	EA	1-1/2" x 1" Diameter, Reducing Coupling, Bronze Press Fitting	86.76	33.98
22 11 16 00-1709	EA	1-1/2" x 1-1/4" Diameter, Reducing Coupling, Bronze Press Fitting	90.08	33.98
22 11 16 00-1710	EA	2" x 1-1/2" Diameter, Reducing Coupling, Bronze Press Fitting	119.04	43.19

22 11 16 00-1711 90 Degree Elbows *(22 11 16 00-1671)*

22 11 16 00-1712	EA	1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	25.21	12.80
22 11 16 00-1713	EA	5/8" Diameter, 90 Degree Elbow, Bronze Press Fitting	32.99	17.11
22 11 16 00-1714	EA	3/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	34.32	17.11
22 11 16 00-1715	EA	1" Diameter, 90 Degree Elbow, Bronze Press Fitting	52.16	21.30
22 11 16 00-1716	EA	1-1/4" Diameter, 90 Degree Elbow, Bronze Press Fitting	83.18	27.58
22 11 16 00-1717	EA	1-1/2" Diameter, 90 Degree Elbow, Bronze Press Fitting	104.34	33.98
22 11 16 00-1718	EA	2" Diameter, 90 Degree Elbow, Bronze Press Fitting	138.85	43.19

22 11 19 Domestic Water Piping Specialties *(22 11)*

See CSI section 23 21 16 00-0000 for additional piping specialties.

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.40	2.59
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.86	2.59
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.04	2.59
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	12.15	2.59
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	16.54	3.88
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	27.30	3.88
22 11 19 00-0009	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	29.69	5.17
22 11 19 00-0010	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	56.80	5.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0011		**Reinfored EPDM Water Hose Assembly** *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	75.34	5.17
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	88.88	5.17
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	124.95	6.36
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	175.50	8.60
22 11 19 00-0016		**Chemical Resistant Rubber Hoses** *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,407.56	300.79
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,935.62	300.79
22 11 19 00-0019		**Water Pump Hose** *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	644.28	79.02
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	681.89	79.02
22 11 19 00-0022		**Barbed Hose x Threaded Male Pipe, Steel Coupling** *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.80	10.86
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	34.76	11.64
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	37.24	12.42
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	41.53	13.96
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	50.61	17.07
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	59.89	20.43
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	77.06	26.89
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	97.06	33.62
22 11 19 00-0031		**Worm-Drive Hose Clamp** *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter, Worm Drive Hose Clamp	13.54	3.88
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	14.32	3.88
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	15.16	3.88
22 11 19 00-0035	EA	3/4" To 2" Diameter, Worm Drive Hose Clamp	16.14	3.88
22 11 19 00-0036	EA	1" To 2-1/2" Diameter, Worm Drive Hose Clamp	17.24	3.88
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	18.67	5.17
22 11 19 00-0038	EA	1-1/2" To 3" Diameter, Worm Drive Hose Clamp	20.15	5.17
22 11 19 00-0039		**Trap Primer And Accessories** *(22 11 19)*		
22 11 19 00-0040		**Trap Primer** *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	344.95	19.49
22 11 19 00-0042	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	211.38	12.99
22 11 19 00-0043	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	204.65	12.99
22 11 19 00-0044		**Trap Primer Distribution Unit** *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	174.77	25.99
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	192.90	25.99
22 11 19 00-0047		**Trap Primer Manifold** *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	276.56	34.95
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	419.72	39.76
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	559.77	42.10
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	704.55	49.38
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0054	EA	2" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,186.89	47.45
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,452.08	79.29
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056	EA	4" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,841.43	100.09
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0057		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0058	EA	2" x 1" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,212.89	47.45
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	2,389.39	47.45
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,862.58	79.29
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" x 4" Diameter NPT, With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	4,243.18	100.09
22 11 19 00-0062		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" Diameter NPT, Sewage Combination Air Valve (Apco 443)	2,603.89	47.45
22 11 19 00-0064	EA	2" x 2" Diameter NPT, Sewage Combination Air Valve (Apco 445)	3,595.14	47.45
22 11 19 00-0065	EA	3" x 3" Diameter NPT, Sewage Combination Air Valve (Apco 447)	4,201.58	79.29
22 11 19 00-0066	EA	4" x 4" Diameter NPT, Sewage Combination Air Valve (Apco 449)	5,136.93	100.09
22 11 19 00-0067		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)*		
		Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	122.37	32.49
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	140.72	36.38
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	291.55	41.58
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	465.52	48.08
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	556.15	53.27
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	815.35	64.97
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,146.78	81.22
22 11 19 00-0075		**Polyvinyl Chloride (PVC) Vacuum Breakers** *(22 11 19)*		
		Note: 100 psi maximum, 140 degree F maximum.		
22 11 19 00-0076	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM050V-PV)	384.95	32.49
22 11 19 00-0077	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM075V-PV)	420.88	36.38
22 11 19 00-0078	EA	1" Diameter, Polyvinyl Chloride (PVC) Vacuum Breaker With Vitron Seal (Plast-O-Matic VBM100V-PV)	464.03	40.93
22 11 19 00-0079		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*		
		Note: Watts 800M4QT		
22 11 19 00-0080	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	365.50	32.49
22 11 19 00-0081	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	318.78	36.38
22 11 19 00-0082	EA	1" Anti Siphon Pressure Type Vacuum Breaker	456.92	41.58
22 11 19 00-0083	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	829.34	48.08
22 11 19 00-0084	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,010.18	53.27
22 11 19 00-0085	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,018.73	64.97
22 11 19 00-0086		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0087	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	269.75	15.54
22 11 19 00-0088	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	524.12	18.80
22 11 19 00-0089	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	764.09	18.80
22 11 19 00-0090	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,859.63	18.80
22 11 19 00-0091	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,088.20	18.80
22 11 19 00-0092	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,558.13	18.80
22 11 19 00-0093		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0094		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0093)*		
22 11 19 00-0095	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	203.22	8.66
22 11 19 00-0096	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	391.76	9.99
22 11 19 00-0097	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	583.09	10.83
22 11 19 00-0098	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,437.18	13.97
22 11 19 00-0099	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,750.35	17.33
22 11 19 00-0100	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,991.97	18.80
22 11 19 00-0101		**Escutcheons** *(22 11 19)*		
22 11 19 00-0102		**Brass Escutcheons** *(22 11 19 00-0101)*		
22 11 19 00-0103		**Shallow Brass Escutcheons** *(22 11 19 00-0102)*		
22 11 19 00-0104	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	14.46	3.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0105	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	15.57	3.25
22 11 19 00-0106		**Deep Bell Brass Escutcheons** *(22 11 19 00-0102)*		
22 11 19 00-0107	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	17.00	3.64
22 11 19 00-0108	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	17.04	3.64
22 11 19 00-0109		**Chrome Plated Brass Escutcheons With Setscrew** *(22 11 19 00-0102)*		
22 11 19 00-0110	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.75	3.25
22 11 19 00-0111	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.99	3.25
22 11 19 00-0112	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.33	3.25
22 11 19 00-0113	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.57	3.25
22 11 19 00-0114	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.99	3.89
22 11 19 00-0115	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.19	3.89
22 11 19 00-0116	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.18	4.29
22 11 19 00-0117	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.46	4.55
22 11 19 00-0118	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	40.55	5.20
22 11 19 00-0119		**Plastic Escutcheons** *(22 11 19 00-0101)*		
22 11 19 00-0120		**Split-Ring White Plastic Escutcheons** *(22 11 19 00-0119)*		
22 11 19 00-0121	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	7.88	3.23
22 11 19 00-0122	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	7.88	3.23
22 11 19 00-0123	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	9.19	3.62
22 11 19 00-0124	EA	1" IPS, Split-Ring White Plastic Escutcheon	9.95	3.88
22 11 19 00-0125	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.72	4.27
22 11 19 00-0126	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.46	4.53
22 11 19 00-0127	EA	2" IPS, Split-Ring White Plastic Escutcheon	12.91	5.17
22 11 19 00-0128	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.50	5.56
22 11 19 00-0129	EA	3" IPS, Split-Ring White Plastic Escutcheon	20.10	5.82
22 11 19 00-0130	EA	4" IPS, Split-Ring White Plastic Escutcheon	24.34	6.47
22 11 19 00-0131		**Chrome Plate Plastic Escutcheons** *(22 11 19 00-0119)*		
22 11 19 00-0132	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	10.30	3.23
22 11 19 00-0133	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	11.26	3.62
22 11 19 00-0134	EA	1" IPS, Chrome Plate Plastic Escutcheon	12.62	3.88
22 11 19 00-0135	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	13.98	4.27
22 11 19 00-0136	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	14.75	4.53
22 11 19 00-0137	EA	2" IPS, Chrome Plate Plastic Escutcheon	18.52	5.17
22 11 19 00-0138	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	26.60	5.56
22 11 19 00-0139	EA	3" IPS, Chrome Plate Plastic Escutcheon	27.56	5.82
22 11 19 00-0140	EA	4" IPS, Chrome Plate Plastic Escutcheon	29.47	6.47
22 11 19 00-0141		**Stainless Steel Escutcheons** *(22 11 19 00-0101)*		
22 11 19 00-0142		**Shallow Stainless Steel Escutcheons** *(22 11 19 00-0141)*		
22 11 19 00-0143	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	20.00	3.25
22 11 19 00-0144	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	20.00	3.25
22 11 19 00-0145	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	28.43	3.64
22 11 19 00-0146		**Chrome Plated Steel Escutcheons** *(22 11 19 00-0101)*		
22 11 19 00-0147		**Split-Ring Chrome Plated Steel Escutcheons** *(22 11 19 00-0146)*		
22 11 19 00-0148	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.18	3.23
22 11 19 00-0149	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.83	3.62
22 11 19 00-0150	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.60	3.88
22 11 19 00-0151	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.24	4.27
22 11 19 00-0152	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.90	4.53
22 11 19 00-0153	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	11.40	5.17
22 11 19 00-0154	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.78	5.56
22 11 19 00-0155	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.81	5.82
22 11 19 00-0156	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	21.76	6.20
22 11 19 00-0157	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.44	6.47
22 11 19 00-0158	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	24.87	7.12
22 11 19 00-0159	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	28.91	7.76
22 11 19 00-0160		**Split-Ring/Springs Chrome Plated Steel Escutcheons** *(22 11 19 00-0146)*		
22 11 19 00-0161	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.14	3.23
22 11 19 00-0162	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.14	3.23
22 11 19 00-0163	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.94	3.62
22 11 19 00-0164	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.38	3.88
22 11 19 00-0165	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.25	4.27
22 11 19 00-0166	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.11	4.53
22 11 19 00-0167	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	17.88	5.17
22 11 19 00-0168	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.48	5.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0169	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	24.87	5.82
22 11 19 00-0170	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.39	6.20
22 11 19 00-0171	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	30.89	6.47
22 11 19 00-0172	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	50.39	7.12
22 11 19 00-0173	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	52.66	7.76
22 11 19 00-0174		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0146)*		
22 11 19 00-0175	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.73	3.64
22 11 19 00-0176	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.62	3.64
22 11 19 00-0177	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.37	3.64
22 11 19 00-0178	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.28	3.89
22 11 19 00-0179	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.06	4.29
22 11 19 00-0180	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	11.07	4.55
22 11 19 00-0181		**Shallow Chrome Plated Steel Escutcheons** *(22 11 19 00-0146)*		
22 11 19 00-0182	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	7.91	3.25
22 11 19 00-0183	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.91	3.25
22 11 19 00-0184	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.03	3.25
22 11 19 00-0185	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	8.58	3.89
22 11 19 00-0186	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	9.28	4.29
22 11 19 00-0187	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	10.27	4.55
22 11 19 00-0188	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	11.64	5.20
22 11 19 00-0189		**Wall Hydrants** *(22 11 19)*		
		Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0190		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0189)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	420.98	32.49
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0192	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	453.32	38.98
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0193	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	479.93	46.91
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0194		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0189)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0195	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	489.12	54.57
		For Cast Bronze Box, Add	*18.12*	
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0196		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0189)*		
		Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0197	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	291.69	40.29
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0198	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.58	40.29
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0199	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.58	40.29
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0200	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	337.58	40.29
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0201	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	348.26	81.22
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0202	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	348.26	81.22
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0203	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	380.21	81.22
		For 1" NPT Outlet, Add	*42.72*	
22 11 19 00-0204		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0189)*		
		Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	242.91	32.49
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	258.92	32.49
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	261.10	32.49
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	285.12	32.49
22 11 19 00-0209	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	387.56	45.48
22 11 19 00-0210	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	397.02	45.48
22 11 19 00-0211	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	397.02	45.48
22 11 19 00-0212	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	419.58	45.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0213		**Washer Boxes And Dryer Outlets** *(22 11 19)*		
22 11 19 00-0214		**Dryer Vent Kit** *(22 11 19 00-0213)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0215	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	89.72	16.89
22 11 19 00-0216		**Washer Boxes And Dryer Vents** *(22 11 19 00-0213)*		
		Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0217	EA	2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	316.90	25.99
22 11 19 00-0218		**Ice Maker Outlet Box** *(22 11 19)*		
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0219	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	169.18	25.99
22 11 19 00-0220	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	172.29	25.99
22 11 19 00-0221	EA	Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	253.52	25.99
22 11 19 00-0222		**Tempering Controllers For Potable Hot Water** *(22 11 19)*		
22 11 19 00-0223		**Point-Of-Use Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0222)*		
		Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0224	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	609.58	31.45
22 11 19 00-0225	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	163.78	31.45
22 11 19 00-0226	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	343.82	31.45
22 11 19 00-0227	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	393.18	42.37
22 11 19 00-0228		**Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0222)*		
		Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0229	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,665.11	45.36
22 11 19 00-0230	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,867.78	55.87
22 11 19 00-0231	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,245.97	64.99
22 11 19 00-0232	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,915.32	68.31
22 11 19 00-0233	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,914.70	88.62
22 11 19 00-0234		**High Low Temperature Thermostatic Mixing Valves (Bradley)** *(22 11 19 00-0222)*		
		Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0235	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,255.98	69.87
22 11 19 00-0236	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,541.73	81.24
22 11 19 00-0237	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,465.31	85.39
22 11 19 00-0238	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	7,158.66	110.78
22 11 19 00-0239		**Thermostatic Mixing Valves (Leonard)** *(22 11 19 00-0222)*		
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0240	EA	3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,447.02	45.36
22 11 19 00-0241	EA	1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,701.87	55.87
22 11 19 00-0242	EA	1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	2,094.25	64.99
22 11 19 00-0243	EA	1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,568.57	68.33
22 11 19 00-0244	EA	2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,825.17	88.62
22 11 19 00-0245		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0222)*		
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0246	EA	3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,426.66	64.97
22 11 19 00-0247	EA	1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,630.33	81.86
22 11 19 00-0248	EA	1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,998.29	98.75
22 11 19 00-0249	EA	1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,400.98	115.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0250	EA	2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,233.77	152.03
22 11 19 00-0251	EA	2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,179.32	173.37
22 11 19 00-0252		Thermostatic Mixing Valves (Holby) *(22 11 19 00-0222)*		
22 11 19 00-0253	EA	2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,673.83	88.65
22 11 19 00-0254		Backflow Preventer Valves *(22 11 19)*		
22 11 19 00-0255		Double Check Valve Backflow Preventer Assemblies *(22 11 19 00-0254)*		
22 11 19 00-0256		Threaded Double Check Valve Assemblies *(22 11 19 00-0255)*		
22 11 19 00-0257		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0256)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0258	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	502.15	34.82
		For Work In Restricted Working Space, Add	*26.12*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0259	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	592.04	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0260	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	682.40	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0261	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	956.52	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0262	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,185.03	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0263	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,364.10	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,104.22*	
22 11 19 00-0264		Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0256)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0265	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	620.93	34.82
		For Work In Restricted Working Space, Add	*26.12*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0266	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	766.00	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0267	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	895.67	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0268	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,260.40	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0269	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,542.94	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0270	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,858.24	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,598.36*	
22 11 19 00-0271		Flanged Double Check Valve Assemblies *(22 11 19 00-0255)*		
22 11 19 00-0272		Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0273	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,807.45	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0274	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,479.60	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-7,054.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0275		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0276	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,460.47	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0277	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,567.96	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-8,143.22*	
22 11 19 00-0278		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0279	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,854.53	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0280	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,222.24	323.05
		For Work In Restricted Working Space, Add	*127.43*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0281	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,176.70	478.58
		For Work In Restricted Working Space, Add	*191.33*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0282	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,406.32	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-11,141.06*	
22 11 19 00-0283	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,392.17	1,050.63
		For Work In Restricted Working Space, Add	*569.46*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0284	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,475.78	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-34,216.38*	
22 11 19 00-0285		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0286	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,555.78	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0287	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,872.04	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0288	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,388.31	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-40,128.91*	
22 11 19 00-0289		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0271)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0290	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,281.75	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0291	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	8,001.03	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0292	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,676.96	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0293	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,533.52	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-13,268.26*	
22 11 19 00-0294	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,158.47	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0295	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,755.21	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-36,495.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0296		Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0297	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,330.34	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0298	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,767.22	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0299	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,375.17	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0300	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,672.94	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0301	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,543.51	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0302	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,931.24	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-15,671.84*	
22 11 19 00-0303		N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0304	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,731.00	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0305	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,167.88	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0306	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,715.71	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0307	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,591.12	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0308	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,350.65	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0309	EA	10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,596.95	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-24,337.55*	
22 11 19 00-0310		Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0311	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,051.76	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0312	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,501.30	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0313	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,121.76	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0314	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,473.87	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-7,208.61*	
22 11 19 00-0315	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,351.66	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0316	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,466.89	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-16,207.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0317		**N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0318	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,334.97	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0319	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,771.84	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0320	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,320.17	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0321	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,169.83	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0322	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	21,712.98	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0323	EA	10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	25,957.41	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-23,698.01*	
22 11 19 00-0324		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0325	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,710.62	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0326	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,147.50	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-4,722.76*	
22 11 19 00-0327	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,755.45	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0328	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	9,062.80	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0329	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,933.37	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0330		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0331	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,111.28	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0332	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,548.15	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0333	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,095.99	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0334	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,981.06	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0335	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,933.37	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0336		**Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 3500SY/350AOSY)** *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves.		
22 11 19 00-0337	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 3500SY/350AOSY)	2,828.14	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-2,445.27*	
22 11 19 00-0338	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 3500SY/350AOSY)	2,973.10	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-2,548.36*	
22 11 19 00-0339	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 3500SY/350AOSY)	3,649.99	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-3,012.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0340	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 3500SY/350AOSY)	6,043.69	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-4,703.66*	
22 11 19 00-0341	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 3500SY/350AOSY)	10,847.12	1,112.71
		For Work In Restricted Working Space, Add	*603.01*	
		For Owner Furnished Material, Deduct	*-8,837.08*	
22 11 19 00-0342		Flanged Double Check Valve Assembly With NRS Shut-offs (Zurn/Wilkins 350/350A NRS) *(22 11 19 00-0271)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves.		
22 11 19 00-0343	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Zurn/Wilkins 350/350A NRS)	2,592.86	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-2,209.99*	
22 11 19 00-0344	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Zurn/Wilkins 350/350A NRS)	2,726.92	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-2,302.18*	
22 11 19 00-0345	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Zurn/Wilkins 350/350A NRS)	3,359.61	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-2,721.90*	
22 11 19 00-0346	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Zurn/Wilkins 350/350A NRS)	5,591.42	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-4,251.39*	
22 11 19 00-0347	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Zurn/Wilkins 350/350A NRS)	9,997.69	1,112.71
		For Work In Restricted Working Space, Add	*603.01*	
		For Owner Furnished Material, Deduct	*-7,987.65*	
22 11 19 00-0348		Grooved Double Check Valve Assemblies *(22 11 19 00-0255)*		
22 11 19 00-0349		Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0348)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0350	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,051.76	153.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0351	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,501.30	169.90
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0352		N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0348)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0353	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,334.97	153.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0354	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,771.84	169.90
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0355		Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0254)*		
22 11 19 00-0356		Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0355)*		
22 11 19 00-0357		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0356)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0358	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	558.16	30.14
		For Work In Restricted Working Space, Add	*22.61*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0359	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	589.40	33.26
		For Work In Restricted Working Space, Add	*24.95*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0360	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	686.73	34.82
		For Work In Restricted Working Space, Add	*26.12*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0361	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	922.09	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0362	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,093.92	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0363	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,655.00	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0364	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,749.28	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-1,549.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0365	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,098.21	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0366 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0356)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0367	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	616.60	30.14
		For Work In Restricted Working Space, Add	*22.61*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0368	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	650.99	33.26
		For Work In Restricted Working Space, Add	*24.95*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0369	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	771.14	49.38
		For Work In Restricted Working Space, Add	*26.12*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0370	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,054.75	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0371	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,259.79	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0372	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,881.21	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0373	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,068.51	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0374	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,489.87	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

22 11 19 00-0375 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0356)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0376	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	922.09	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0377	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,093.92	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0378	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,655.00	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0379	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,749.28	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0380	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,098.21	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,838.33*	

22 11 19 00-0381 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0356)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0382	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,054.75	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0383	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,259.79	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0384	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,881.21	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0385	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,068.51	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-1,868.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0386	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,489.87	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-2,229.99*	
22 11 19 00-0387		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0356)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0388	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,907.37	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0389	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,257.51	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0390	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,475.99	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0391	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,757.46	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0392	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,357.81	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-4,097.93*	
22 11 19 00-0393		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0356)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0394	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,570.49	49.38
		For Work In Restricted Working Space, Add	*37.03*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0395	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,055.47	60.30
		For Work In Restricted Working Space, Add	*45.22*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0396	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,660.47	70.17
		For Work In Restricted Working Space, Add	*52.63*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0397	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,090.60	80.56
		For Work In Restricted Working Space, Add	*60.03*	
		For Owner Furnished Material, Deduct	*-4,890.49*	
22 11 19 00-0398	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,045.94	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-5,786.06*	
22 11 19 00-0399		**Threaded Reduced Pressure Principle Assembly (Zurn/Wilkins 975)** *(22 11 19 00-0356)*		
22 11 19 00-0400	EA	2" Threaded Reduced Pressure Principle Assembly (Zurn/Wilkins 975XL)	1,126.62	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-866.74*	
22 11 19 00-0401	EA	2" Threaded Reduced Pressure Principle Assembly (Zurn/Wilkins 975XL2)	1,256.65	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-996.77*	
22 11 19 00-0402	EA	2" Diameter, Threaded Reduced Pressure Principle Assembly With Union Ball Valves (Zurn/Wilkins 975XLU)	1,625.53	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,365.65*	
22 11 19 00-0403	EA	2" Diameter, Threaded Reduced Pressure Principle Assembly With Integral Relief Valve Monitor Switch (Zurn/Wilkins 975XLMS)	1,382.74	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,122.86*	
22 11 19 00-0404	EA	2" Threaded Reduced Pressure Principle Assembly With Integral Battery Operated Monitor Switch (Zurn/Wilkins 975XLBMS)	1,854.89	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,595.01*	
22 11 19 00-0405	EA	2" Threaded Reduced Pressure Principle Assembly With 90 Degree Elbows (Zurn/Wilkins 975XLSEU)	1,858.87	103.95
		For Work In Restricted Working Space, Add	*77.96*	
		For Owner Furnished Material, Deduct	*-1,598.99*	
22 11 19 00-0406		**Flanged Reduced Pressure Zone Assemblies** *(22 11 19 00-0355)*		
22 11 19 00-0407		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0408	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,260.02	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0409	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,054.00	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0410		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0411	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,465.34	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0412	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,454.25	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-8,029.51*	
22 11 19 00-0413		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0414	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,721.36	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0415	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,820.72	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-7,395.98*	
22 11 19 00-0416		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0417	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,465.34	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0418	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,454.25	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-8,029.51*	
22 11 19 00-0419		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0420	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,288.92	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0421	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,592.97	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-9,168.23*	
22 11 19 00-0422		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0423	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,761.26	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0424	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,226.17	323.05
		For Work In Restricted Working Space, Add	*127.43*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0425	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,390.75	478.58
		For Work In Restricted Working Space, Add	*191.33*	
		For Owner Furnished Material, Deduct	*-14,752.98*	
22 11 19 00-0426	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,207.09	700.41
		For Work In Restricted Working Space, Add	*531.45*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0427	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,505.34	1,050.63
		For Work In Restricted Working Space, Add	*797.17*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0428	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,739.41	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-47,480.01*	
22 11 19 00-0429		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer** *(22 11 19 00-0406)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		

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22 11 19 00-0430	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,597.84	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0431	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,106.59	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0432	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,740.59	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0433	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,241.70	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0434	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,882.92	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0435	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,498.76	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-53,239.36*	

22 11 19 00-0436 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0437	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,450.01	287.15
		For Work In Restricted Working Space, Add	*114.85*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0438	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	13,015.64	323.05
		For Work In Restricted Working Space, Add	*127.43*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0439	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,371.90	478.58
		For Work In Restricted Working Space, Add	*191.33*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0440	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,131.13	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0441	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,136.99	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0442	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	52,902.97	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0443 Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts LF994-OSY) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0444	EA	2-1/2" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts LF994-OSY)	4,135.80	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-3,752.93*	
22 11 19 00-0445	EA	3" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts LF994-OSY)	4,540.93	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-4,116.19*	
22 11 19 00-0446	EA	4" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts LF994-OSY)	5,926.83	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-5,289.12*	
22 11 19 00-0447	EA	6" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts LF994-OSY)	9,727.78	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-8,387.75*	

22 11 19 00-0448 Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957-OSY) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0449	EA	2-1/2" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957-OSY)	3,693.77	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-3,310.90*	
22 11 19 00-0450	EA	3" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957-OSY)	3,991.67	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-3,566.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0451	EA	4" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957-OSY)	4,841.43	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-4,203.72*	

22 11 19 00-0452 N Or Z Pattern Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957N-OSY/957Z-OSY) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0453	EA	2-1/2" N Or Z Pattern Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957N-OSY/957Z-OSY)	5,109.60	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-4,726.73*	
22 11 19 00-0454	EA	3" N Or Z Pattern Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957N-OSY/957Z-OSY)	5,451.27	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-5,026.53*	
22 11 19 00-0455	EA	4" N Or Z Pattern Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Watts 957N-OSY/957Z-OSY)	6,417.01	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-5,779.30*	

22 11 19 00-0456 Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 375AOSY/375OSY) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0457	EA	2-1/2" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 375AOSY/375OSY)	3,414.50	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-3,031.63*	
22 11 19 00-0458	EA	3" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 375AOSY/375OSY)	3,581.98	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-3,157.24*	
22 11 19 00-0459	EA	4" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 375AOSY/375OSY)	4,487.63	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-3,849.92*	
22 11 19 00-0460	EA	6" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 375AOSY/375OSY)	7,570.78	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-6,230.75*	
22 11 19 00-0461	EA	8" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 375AOSY/375OSY)	14,229.92	1,112.71
		For Work In Restricted Working Space, Add	*603.01*	
		For Owner Furnished Material, Deduct	*-12,219.88*	

22 11 19 00-0462 Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 375A/375 NRS) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0463	EA	2-1/2" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 375A/375 NRS)	3,123.85	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-2,740.98*	
22 11 19 00-0464	EA	3" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 375A/375 NRS)	3,277.04	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-2,852.30*	
22 11 19 00-0465	EA	4" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 375A/375 NRS)	4,116.43	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-3,478.72*	
22 11 19 00-0466	EA	6" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 375A/375 NRS)	6,914.00	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-5,573.97*	
22 11 19 00-0467	EA	8" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 375A/375 NRS)	13,053.49	1,112.71
		For Work In Restricted Working Space, Add	*603.01*	
		For Owner Furnished Material, Deduct	*-11,043.45*	

22 11 19 00-0468 Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 475OSY/475OSY) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0469	EA	2-1/2" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 475OSY/475OSY)	3,823.64	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-3,440.77*	
22 11 19 00-0470	EA	3" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 475OSY/475OSY)	4,013.68	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-3,588.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0471	EA	4" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 475OSY/475OSY)	5,215.72	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-4,578.01*	
22 11 19 00-0472	EA	6" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 475OSY/475OSY)	8,472.84	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-7,132.81*	
22 11 19 00-0473	EA	8" Flanged Reduced Pressure Principle Assembly With Outside Stem And Yoke Shut-Offs (Zurn/Wilkins 475OSY/475OSY)	15,956.75	1,112.71
		For Work In Restricted Working Space, Add	*603.01*	
		For Owner Furnished Material, Deduct	*-13,946.71*	

22 11 19 00-0474 Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 475DA/475DAV) *(22 11 19 00-0406)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies.

22 11 19 00-0475	EA	4" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 475DA/475DAV)	6,307.90	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-5,670.19*	
22 11 19 00-0476	EA	6" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 475DA/475DAV)	9,455.47	741.80
		For Work In Restricted Working Space, Add	*402.01*	
		For Owner Furnished Material, Deduct	*-8,115.44*	
22 11 19 00-0477	EA	8" Flanged Reduced Pressure Principle Assembly With NRS Shut-offs (Zurn/Wilkins 475DA/475DAV)	17,461.28	1,112.71
		For Work In Restricted Working Space, Add	*603.01*	
		For Owner Furnished Material, Deduct	*-15,451.24*	

22 11 19 00-0478 Double Check Detector Assemblies *(22 11 19 00-0254)*

22 11 19 00-0479 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0478)*

22 11 19 00-0480 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0479)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0481	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,584.28	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0482	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,986.58	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-8,348.87*	
22 11 19 00-0483	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,106.56	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0484	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,494.17	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0485	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	29,040.89	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0486 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0479)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0487	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,427.74	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0488	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,864.18	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0489	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,481.47	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0490	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,151.81	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0491	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,961.14	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-16,063.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0492	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,179.75	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0493 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0479)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0494	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,808.10	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0495	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,244.54	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0496	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,861.75	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0497	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,541.67	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0498	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,493.39	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0499 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0478)*

22 11 19 00-0500 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0499)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0501	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,307.65	287.15
		For Work In Restricted Working Space, Add	*114.86*	
22 11 19 00-0502	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,744.14	323.05
		For Work In Restricted Working Space, Add	*127.42*	
22 11 19 00-0503	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,361.43	478.58
		For Work In Restricted Working Space, Add	*191.31*	
22 11 19 00-0504	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	10,031.77	700.41
		For Work In Restricted Working Space, Add	*379.58*	
22 11 19 00-0505	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,841.18	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
22 11 19 00-0506	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	21,059.62	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	

22 11 19 00-0507 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0499)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0508	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,687.97	287.15
		For Work In Restricted Working Space, Add	*114.86*	
22 11 19 00-0509	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,124.42	323.05
		For Work In Restricted Working Space, Add	*127.42*	
22 11 19 00-0510	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,741.70	478.58
		For Work In Restricted Working Space, Add	*191.31*	
22 11 19 00-0511	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,421.55	700.41
		For Work In Restricted Working Space, Add	*379.58*	
22 11 19 00-0512	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,231.04	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	

22 11 19 00-0513 Flanged Double Check Detector Assemblies *(22 11 19 00-0478)*

22 11 19 00-0514 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0513)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 774 DCDA OSY series).

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0515	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	6,090.35	287.15
		For Work In Restricted Working Space, Add	*114.86*	
		For Owner Furnished Material, Deduct	*-5,707.48*	
22 11 19 00-0516	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	7,372.63	323.05
		For Work In Restricted Working Space, Add	*127.42*	
		For Owner Furnished Material, Deduct	*-6,947.89*	
22 11 19 00-0517	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	8,175.51	478.58
		For Work In Restricted Working Space, Add	*191.31*	
		For Owner Furnished Material, Deduct	*-7,537.80*	
22 11 19 00-0518	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	10,286.96	700.41
		For Work In Restricted Working Space, Add	*379.58*	
		For Owner Furnished Material, Deduct	*-9,021.70*	
22 11 19 00-0519	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	18,205.53	1,050.63
		For Work In Restricted Working Space, Add	*569.37*	
		For Owner Furnished Material, Deduct	*-16,307.63*	
22 11 19 00-0520	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	24,546.28	1,242.67
		For Work In Restricted Working Space, Add	*677.82*	
		For Owner Furnished Material, Deduct	*-22,286.88*	
22 11 19 00-0521	EA	12" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs (Watts 774 DCDA OSY series)	32,763.62	1,491.20
		For Work In Restricted Working Space, Add	*813.38*	
		For Owner Furnished Material, Deduct	*-30,052.34*	

22 11 19 00-0522 Backflow Preventer Accessories *(22 11 19 00-0254)*

22 11 19 00-0523 Air Gap *(22 11 19 00-0522)*

22 11 19 00-0524	EA	Up To 1" Diameter Air Gap For Backflow Preventer	142.95	16.24
22 11 19 00-0525	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	175.93	19.49
22 11 19 00-0526	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	330.74	25.99
22 11 19 00-0527	EA	4" To 6" Diameter Air Gap For Backflow Preventer	654.42	45.48
22 11 19 00-0528	EA	8" To 10" Diameter Air Gap For Backflow Preventer	693.41	64.97

22 11 19 00-0529 Brass Test Cocks *(22 11 19 00-0522)*

22 11 19 00-0530	EA	1/8" Or 1/4" Brass Test Cock	58.19	6.50

22 11 19 00-0531 Backflow Valve Enclosures *(22 11 19 00-0254)*

22 11 19 00-0532 Flip-Top, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0531)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0533	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,063.11	116.94
		For Heated Enclosure, Add	*265.61*	
22 11 19 00-0534	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,558.57	116.94
		For Heated Enclosure, Add	*339.93*	
22 11 19 00-0535	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,276.45	107.68
		For Heated Enclosure, Add	*451.09*	
22 11 19 00-0536	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,379.11	143.58
		For Heated Enclosure, Add	*453.03*	
22 11 19 00-0537	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,547.13	143.58
		For Heated Enclosure, Add	*478.23*	
22 11 19 00-0538	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,202.01	143.58
		For Heated Enclosure, Add	*576.46*	
22 11 19 00-0539	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,219.24	143.58
		For Heated Enclosure, Add	*579.05*	
22 11 19 00-0540	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	5,335.11	143.58
		For Heated Enclosure, Add	*746.43*	
22 11 19 00-0541	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	12,382.11	215.36
		For Heated Enclosure, Add	*1,776.56*	
22 11 19 00-0542	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	18,013.15	215.36
		For Heated Enclosure, Add	*2,621.21*	
22 11 19 00-0543	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	17,108.39	215.36
		For Heated Enclosure, Add	*2,485.50*	
22 11 19 00-0544	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	20,606.05	251.26
		For Heated Enclosure, Add	*2,996.69*	

22 11 19 00-0545 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures *(22 11 19 00-0531)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0546	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,129.07	31.19
		For Heated Enclosure, Add	*215.42*	
22 11 19 00-0547	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,585.76	31.19
		For Heated Enclosure, Add	*306.76*	
22 11 19 00-0548	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,003.86	28.72
		For Heated Enclosure, Add	*391.20*	
22 11 19 00-0549	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,046.49	28.72
		For Heated Enclosure, Add	*599.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0550	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	7,913.74	53.84
		For Heated Enclosure, Add	*1,564.80*	
22 11 19 00-0551	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	10,830.51	53.84
		For Heated Enclosure, Add	*2,148.15*	
22 11 19 00-0552	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	7,189.93	53.84
		For Heated Enclosure, Add	*1,420.04*	
22 11 19 00-0553	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,146.39	53.84
		For Heated Enclosure, Add	*1,611.33*	
22 11 19 00-0554	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	12,786.51	53.84
		For Heated Enclosure, Add	*2,539.35*	

22 11 19 00-0555 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0531)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0556	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	16,100.23	215.36
		For Heated Enclosure, Add	*2,334.27*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0557	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	17,767.57	215.36
		For Heated Enclosure, Add	*2,584.38*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0558	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	12,584.60	215.36
		For Heated Enclosure, Add	*1,806.93*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0559	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	13,816.80	215.36
		For Heated Enclosure, Add	*1,991.76*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0560	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	16,051.36	287.15
		For Heated Enclosure, Add	*2,300.02*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0561	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	18,024.59	287.15
		For Heated Enclosure, Add	*2,596.01*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0562	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	18,024.59	287.15
		For Heated Enclosure, Add	*2,596.01*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0563	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	19,937.51	287.15
		For Heated Enclosure, Add	*2,882.95*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0564	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	14,944.85	251.26
		For Heated Enclosure, Add	*2,147.51*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0565	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	17,503.28	287.15
		For Heated Enclosure, Add	*2,517.81*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0566	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	20,488.98	287.15
		For Heated Enclosure, Add	*2,965.67*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0567	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	22,498.47	305.10
		For Heated Enclosure, Add	*3,260.36*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0568	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	22,993.93	305.10
		For Heated Enclosure, Add	*3,334.68*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0569	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	25,503.19	323.05
		For Heated Enclosure, Add	*3,704.34*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0570	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	26,489.80	323.05
		For Heated Enclosure, Add	*3,852.33*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0571	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	19,196.47	287.15
		For Heated Enclosure, Add	*2,771.79*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0572	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	20,476.05	287.15
		For Heated Enclosure, Add	*2,963.73*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0573	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	23,183.50	305.10
		For Heated Enclosure, Add	*3,363.11*	
		For One 24" Fluorescent Light Fixture, Add	*873.13*	
		For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0574		EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	28,131.29	323.05
			For Heated Enclosure, Add	*4,098.55*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0575		EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	24,516.57	323.05
			For Heated Enclosure, Add	*3,556.34*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0576		EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	29,494.51	340.99
			For Heated Enclosure, Add	*4,296.31*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0577		EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	28,507.90	340.99
			For Heated Enclosure, Add	*4,148.31*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0578		EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	33,046.40	358.94
			For Heated Enclosure, Add	*4,822.36*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0579		EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	30,526.00	358.94
			For Heated Enclosure, Add	*4,444.30*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0580		EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	35,650.44	376.88
			For Heated Enclosure, Add	*5,206.23*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0581		EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	35,695.31	394.83
			For Heated Enclosure, Add	*5,206.23*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	
22 11 19 00-0582		EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	42,353.52	412.77
			For Heated Enclosure, Add	*6,198.24*	
			For One 24" Fluorescent Light Fixture, Add	*873.13*	
			For Two 24" Fluorescent Light Fixture, Add	*1,562.45*	

22 11 19 00-0583 Backflow Valve Cage Enclosures *(22 11 19 00-0531)*

Note: Includes anchor kit. Excludes concrete pad.

22 11 19 00-0584		EA	12-1/2" Length x 10-1/2" Width x 18" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 15-1/2" Length x 13-1/2" Width x 18" Height Note: UTC-.5	1,721.51	155.93
22 11 19 00-0585		EA	22-1/2" Length x 10-1/2" Width x 24" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 25-1/2" Length x 13-1/2" Width x 24" Height Note: UTC-1	1,878.18	155.93
22 11 19 00-0586		EA	30-1/2" Length x 10-1/2" Width x 24" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 33-1/2" Length x 13-1/2" Width x 24" Height Note: UTC-2	2,143.18	191.43
22 11 19 00-0587		EA	40-1/2" Length x 10-1/2" Width x 24" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 43-1/2" Length x 13-1/2" Width x 24" Height Note: UTC-3	2,319.43	191.43
22 11 19 00-0588		EA	46-1/2" Length x 16-1/2" Width x 30-1/2" Height, Internal Dimensions, Backflow Preventer Caged Enclosures, External Dimensions 49-1/2" Length x 20" Width x 30-1/2" Height Note: UTC-4	2,750.27	191.43

22 11 19 00-0589 Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets *(22 11 19 00-0531)*

Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.

22 11 19 00-0590		EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-1	951.60	116.94
22 11 19 00-0591		EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-2	1,069.67	143.58
22 11 19 00-0592		EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures Note: BP-3	1,152.08	143.58
22 11 19 00-0593		EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures Note: BP-4	1,386.93	143.58

22 11 19 00-0594 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0595 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0594)*

22 11 19 00-0596		EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	70.08	12.99
22 11 19 00-0597		EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	81.00	14.30
22 11 19 00-0598		EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	20.89	9.75

22 11 19 00-0599 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0594)*

22 11 19 00-0600		EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	234.48	39.76

22 11 19 00-0601 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0594)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0602	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	147.58	32.49
22 11 19 00-0603	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	160.27	35.99
22 11 19 00-0604	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	169.71	38.07
22 11 19 00-0605	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	179.13	40.80
22 11 19 00-0606	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	188.69	43.27

22 11 19 00-0607 Keyed, Recessed Valve Boxes *(22 11 19)*

22 11 19 00-0608	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	413.31	38.80
22 11 19 00-0609	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	461.28	38.80
22 11 19 00-0610	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	533.22	38.80
22 11 19 00-0611	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	511.13	51.73
22 11 19 00-0612	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	583.08	51.73
22 11 19 00-0613	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	604.66	51.73
22 11 19 00-0614	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	490.06	38.80
22 11 19 00-0615	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	595.58	38.80
22 11 19 00-0616	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	689.11	38.80
22 11 19 00-0617	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	645.43	51.73
22 11 19 00-0618	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	738.96	51.73
22 11 19 00-0619	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	774.93	51.73

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,644.52	382.87
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,243.58	514.48
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	19,977.67	646.08
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,644.23	777.69
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	22,796.01	909.30
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	25,285.32	1,040.92
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	26,964.51	1,172.53

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	49,584.19	1,551.56
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	59,983.35	1,648.54
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	70,425.55	1,745.51

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	65,738.49	1,648.54
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	82,211.77	1,745.51
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	102,456.52	1,939.45
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	130,183.80	2,133.40
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	157,911.07	2,327.35
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	184,073.22	2,618.27
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	210,235.38	2,909.18
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	236,397.53	3,200.10
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	262,802.13	3,587.99

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	44,325.69	1,728.33
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	46,379.34	1,728.33
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	49,313.75	1,728.33
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	53,543.69	1,728.33
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	50,482.41	1,836.36
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	54,174.96	1,836.36
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	59,189.78	1,836.36
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	63,265.86	1,836.36
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	55,178.62	1,944.38
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	58,824.34	1,944.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	66,976.49	1,944.38
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	80,658.54	1,944.38
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	58,311.49	1,944.38
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	65,747.87	1,944.38
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	82,116.83	1,944.38
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	81,644.11	1,944.38
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	97,422.68	2,160.42
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	66,762.93	2,160.42
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	81,669.14	2,160.42
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	81,198.65	2,160.42
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	98,154.05	2,160.42
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	118,893.42	2,160.42
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	56,170.39	1,728.33

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	56,170.39	1,728.33
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	62,899.93	1,728.33
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	68,706.33	1,728.33
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	63,169.98	1,836.36
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	68,936.24	1,836.36
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	64,516.78	1,836.36
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	69,473.62	1,836.36
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	76,290.12	1,836.36
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	81,940.43	1,836.36
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	65,112.38	1,944.38
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	70,069.22	1,944.38
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	76,883.49	1,944.38
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	82,533.80	1,944.38
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	70,686.88	1,944.38
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	75,447.50	1,944.38
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	87,209.69	1,944.38
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	106,403.81	1,944.38
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	72,199.18	2,160.42
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	76,962.03	2,160.42
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	88,724.23	2,160.42
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	107,916.12	2,160.42
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	76,190.52	2,160.42
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	86,880.18	2,160.42
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	110,101.32	2,160.42
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	112,351.19	2,160.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	139,307.24	2,160.42
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	86,312.57	2,592.51
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	103,930.22	2,592.51
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	110,610.70	2,592.51
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	133,526.35	2,592.51
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	165,593.11	2,592.51

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,198.23	215.36
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,230.45	215.36
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,288.08	219.55
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,420.29	228.52
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,555.63	237.01
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,727.06	237.01
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,081.15	260.96
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,254.99	286.69
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,153.34	315.42
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,265.67	347.14
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,758.44	381.26
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,259.50	419.56
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,517.06	439.91

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,248.51	215.36
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,096.94	215.36
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,105.59	219.55
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,141.97	224.33
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,150.33	228.52
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,190.61	237.01
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,679.38	260.96
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,458.22	315.42
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,642.49	347.14
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,253.08	381.26
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,745.63	419.56
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,720.51	439.91
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,029.26	462.06
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,480.63	507.90
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,119.82	538.66
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,026.91	598.52
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,569.76	718.34
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,211.98	838.28

22 11 23 41 Centrifugal Booster Water Pumps *(22 11 23)*

22 11 23 41-0001 Centrifugal Booster Water Pump *(22 11 23 41)*

22 11 23 41-0002	EA	15 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	9,636.02	480.25
22 11 23 41-0003	EA	20 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	12,918.68	529.78
22 11 23 41-0004	EA	25 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	14,585.14	575.84
22 11 23 41-0005	EA	30 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	15,586.76	672.58
22 11 23 41-0006	EA	40 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	17,884.49	768.17
22 11 23 41-0007	EA	50 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	19,729.64	1,010.87
22 11 23 41-0008	EA	60 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	22,889.86	1,137.23
22 11 23 41-0009	EA	75 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	26,845.95	1,263.59
22 11 23 41-0010	EA	100 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	30,866.81	1,516.30
22 11 23 41-0011	EA	125 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	33,974.62	1,685.62
22 11 23 41-0012	EA	150 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	44,496.90	1,895.37
22 11 23 41-0013	EA	200 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	53,217.27	2,316.15
22 11 23 41-0014	EA	250 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	63,970.07	2,527.17
22 11 23 41-0015	EA	300 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	74,144.55	2,738.19
22 11 23 41-0016	EA	350 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	83,335.84	2,947.94
22 11 23 41-0017	EA	400 HP, 208-230/460 Volt, 3 Phase, 1800 RPM Close-Coupled Centrifugal Pump	92,758.48	3,158.96

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*

22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	46,380.64	10,604.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	52,792.12	10,604.81
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	95,420.97	16,365.48
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	123,156.47	21,209.62
22 12 19 00-0006		Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*		
22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	55,879.13	10,604.81
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	78,200.60	10,604.81
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	116,489.35	16,365.48
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	167,972.61	21,209.62
22 12 23		**Facility Indoor Potable-Water Storage Tanks** *(22 12)*		
22 12 23 13		**Facility Steel, Indoor Potable-Water Storage Pressure Tanks** *(22 12 23)*		
22 12 23 13-0001		Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*		
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,869.97	478.58
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,555.13	598.23
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,592.60	658.05
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,291.35	717.87
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,528.51	777.69
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,507.15	837.52
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,507.12	897.34
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,810.50	957.16
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,522.73	1,016.98
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	25,653.40	1,076.81
22 12 23 13-0012		Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*		
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,451.24	478.58
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,734.51	598.23
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,926.65	658.05
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,332.57	717.87
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,219.95	717.87
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,642.50	777.69
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,436.07	837.52
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,930.62	837.52
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	9,056.28	837.52
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,409.03	897.34
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,462.60	957.16
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	15,636.57	1,016.98
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,397.24	1,076.81
22 12 23 13-0026		Insulated Glass Lined Storage Tank (Raypak RSS) *(22 12 23 13)*		
22 12 23 13-0027	EA	80 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (Raypak RSS80A)	4,672.89	478.58
22 12 23 13-0028	EA	115 Gallon ASME Rated Tank, 160 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (Raypak RSS115A)	5,568.67	598.23
22 12 23 13-0029	EA	175 Gallon ASME Rated Tank, 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (Raypak RSS175A)	9,149.51	717.87
22 12 23 26		**Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks** *(22 12 23)*		
22 12 23 26-0001		Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*		
		Note: Excludes excavation and backfill.		
22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	785.77	269.21
		For Saddle Assembly, Add	*877.41*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	920.48	314.07
		For Saddle Assembly, Add	*877.41*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,092.63	358.94
		For Saddle Assembly, Add	*1,004.72*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,332.18	403.80
		For Saddle Assembly, Add	*1,501.47*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,599.19	448.67
		For Two Tie Down Bands, Add	*503.36*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,066.17	611.86
		For Two Tie Down Bands, Add	*538.31*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,093.98	713.84
		For Three Tie Down Bands, Add	*919.80*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,470.11	815.81
		For Three Tie Down Bands, Add	*927.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,582.10	917.79
		For Four Tie Down Bands, Add	*1,256.34*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,540.47	1,019.76
		For Four Tie Down Bands, Add	*1,765.57*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,358.74	1,121.74
		For Four Tie Down Bands, Add	*2,324.73*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,842.68	1,223.71
		For Four Tie Down Bands, Add	*2,514.44*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,577.95	1,631.62
		For Four Tie Down Bands, Add	*2,843.95*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	20,165.79	1,631.62
		For Five Tie Down Bands, Add	*4,466.06*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	855.49	358.94
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	1,032.68	381.37
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,134.97	403.80
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,377.03	448.67
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,569.06	538.40
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,853.46	628.14
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,595.44	815.81
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,361.63	1,019.76
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,522.23	1,223.71
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,917.46	1,427.66
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,718.08	1,631.62
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,813.25	1,835.57
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	13,393.21	2,039.52
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,758.50	2,243.47
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	17,007.45	2,447.42
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	19,213.96	2,651.38
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,791.90	2,855.33
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	28,629.28	3,263.23

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In Assemblies *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,163.51
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,546.25
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,058.46
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	686.47
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	809.15
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,031.01
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,097.98
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	663.38
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,058.46
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,088.59
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,028.75
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,163.51
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,823.48
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,127.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0017		**Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,514.51	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	2,072.31	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,307.73	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	821.59	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,102.07	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,167.75	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	776.55	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,319.68	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,147.46	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,117.59	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,514.51	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assemblies** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	756.71	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,036.15	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	654.45	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	411.40	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	551.06	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	583.85	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	418.18	
22 13 13 00-0037	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	659.25	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	573.73	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	559.37	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Assembly Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	748.31	
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	679.99	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	758.24	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	644.24	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	389.82	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	457.05	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	618.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	628.79	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	385.23	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	644.24	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	683.35	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	630.89	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	679.85	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,050.86	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	654.95	

22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	830.88	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	993.08	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	722.15	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	435.63	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	636.47	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	665.25	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	423.59	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	732.79	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	703.31	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	676.61	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	830.88	

22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assemblies *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	414.95	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	495.95	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	361.43	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	217.87	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	318.20	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	332.33	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	211.78	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	366.29	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	351.69	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	338.82	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Assembly Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	407.02	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	38.02	7.54
		For Work In Restricted Working Space, Add	*5.53*	
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	54.32	11.36
		For Work In Restricted Working Space, Add	*7.50*	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	70.48	14.47
		For Work In Restricted Working Space, Add	*9.65*	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	82.46	17.62
		For Work In Restricted Working Space, Add	*9.92*	
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	96.88	19.20
		For Work In Restricted Working Space, Add	*11.01*	
22 13 16 00-0008	LF	8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	153.86	27.35
		For Work In Restricted Working Space, Add	*15.49*	
22 13 16 00-0009	LF	10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	226.15	27.35
		For Work In Restricted Working Space, Add	*17.53*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011	LF	1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.68	7.18
		For Work In Restricted Working Space, Add	*6.30*	
22 13 16 00-0012	LF	2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	38.85	7.66
		For Work In Restricted Working Space, Add	*6.77*	
22 13 16 00-0013	LF	3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.86	11.12
		For Work In Restricted Working Space, Add	*8.30*	
22 13 16 00-0014	LF	4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	60.24	14.47
		For Work In Restricted Working Space, Add	*9.93*	
22 13 16 00-0015	LF	5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	78.62	17.29
		For Work In Restricted Working Space, Add	*11.73*	
22 13 16 00-0016	LF	6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	89.93	18.87
		For Work In Restricted Working Space, Add	*12.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0017	LF	8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	141.61	27.12
		For Work In Restricted Working Space, Add	*17.65*	
22 13 16 00-0018	LF	10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	204.31	30.82
		For Work In Restricted Working Space, Add	*20.52*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Diameter, Bell And Spigot Cast Iron Pipe	27.07	7.54
		For Extra Heavy Pipe, Add	*6.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.42*	
22 13 16 00-0022	LF	3" Diameter, Bell And Spigot Cast Iron Pipe	39.56	11.36
		For Extra Heavy Pipe, Add	*9.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.85*	
		For Work In Restricted Working Space, Add	*5.13*	
22 13 16 00-0023	LF	4" Diameter, Bell And Spigot Cast Iron Pipe	50.97	14.47
		For Extra Heavy Pipe, Add	*12.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.09*	
		For Work In Restricted Working Space, Add	*6.53*	
22 13 16 00-0024	LF	5" Diameter, Bell And Spigot Cast Iron Pipe	67.60	17.62
		For Extra Heavy Pipe, Add	*17.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.32*	
		For Work In Restricted Working Space, Add	*7.91*	
22 13 16 00-0025	LF	6" Diameter, Bell And Spigot Cast Iron Pipe	78.97	19.20
		For Extra Heavy Pipe, Add	*21.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.44*	
		For Work In Restricted Working Space, Add	*8.63*	
22 13 16 00-0026	LF	8" Diameter, Bell And Spigot Cast Iron Pipe	119.14	27.35
		For Extra Heavy Pipe, Add	*32.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.05*	
		For Work In Restricted Working Space, Add	*12.31*	
22 13 16 00-0027	LF	10" Diameter, Bell And Spigot Cast Iron Pipe	176.20	30.82
		For Extra Heavy Pipe, Add	*54.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.31*	
		For Work In Restricted Working Space, Add	*13.85*	
22 13 16 00-0028	LF	12" Diameter, Bell And Spigot Cast Iron Pipe	250.45	41.08
		For Extra Heavy Pipe, Add	*79.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.08*	
		For Work In Restricted Working Space, Add	*18.47*	
22 13 16 00-0029	LF	15" Diameter, Bell And Spigot Cast Iron Pipe	349.96	49.28
		For Extra Heavy Pipe, Add	*115.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.69*	
		For Work In Restricted Working Space, Add	*22.16*	
22 13 16 00-0030		**Bell And Spigot Cast Iron Fittings** *(22 13 16 00-0019)*		
22 13 16 00-0031		**Bell And Spigot Cast Iron Long Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	117.41	34.33
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	198.49	43.19
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	264.43	57.43
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	412.07	74.56
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.59*	
		For Work In Restricted Working Space, Add	*33.53*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	814.05	96.25
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.28*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,113.07	118.41
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,706.35	165.27
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.39*	
		For Work In Restricted Working Space, Add	*74.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,166.00	230.13
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.25*	
		For Work In Restricted Working Space, Add	*103.51*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	100.00	34.33
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	169.27	43.19
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	231.57	57.43
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	346.57	63.37
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.75*	
		For Work In Restricted Working Space, Add	*28.49*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	418.33	74.56
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.59*	
		For Work In Restricted Working Space, Add	*33.53*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	688.11	96.25
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.28*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	1,005.61	118.41
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,666.27	165.27
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.39*	
		For Work In Restricted Working Space, Add	*74.34*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	90.12	34.22
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.41*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	135.26	38.52
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.89*	
		For Work In Restricted Working Space, Add	*17.34*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	193.21	51.32
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.85*	
		For Work In Restricted Working Space, Add	*23.08*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	240.97	56.60
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.44*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	289.84	67.78
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.09*	
		For Work In Restricted Working Space, Add	*30.51*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	599.70	88.63
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.64*	
		For Work In Restricted Working Space, Add	*39.85*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	883.57	107.56
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.06*	
		For Work In Restricted Working Space, Add	*48.37*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,164.35	126.95
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.52*	
		For Work In Restricted Working Space, Add	*57.11*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,970.75	200.24
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.01*	
		For Work In Restricted Working Space, Add	*90.05*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	82.41	34.33
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	128.54	43.19
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	182.97	57.43
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	228.34	70.84
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	263.95	78.97
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.92*	
		For Work In Restricted Working Space, Add	*35.54*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	523.25	106.17
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.96*	
		For Work In Restricted Working Space, Add	*47.76*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	731.17	130.99
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.82*	
		For Work In Restricted Working Space, Add	*58.93*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,179.89	169.88
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.73*	
		For Work In Restricted Working Space, Add	*76.39*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,256.41	200.24
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.01*	
		For Work In Restricted Working Space, Add	*90.05*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	144.81	76.69
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.51*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	181.71	83.99
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	239.21	110.08
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	306.47	121.90
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.14*	
		For Work In Restricted Working Space, Add	*54.84*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	384.21	144.48
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.83*	
		For Work In Restricted Working Space, Add	*65.00*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	701.59	193.89
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.54*	
		For Work In Restricted Working Space, Add	*87.21*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	981.91	219.97
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.49*	
		For Work In Restricted Working Space, Add	*98.92*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,450.60	267.75
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.07*	
		For Work In Restricted Working Space, Add	*120.43*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,246.93	300.41
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.52*	
		For Work In Restricted Working Space, Add	*135.11*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	227.30	80.16
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.07*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	276.72	99.07
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	308.35	101.58
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.62*	
		For Work In Restricted Working Space, Add	*45.71*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	453.98	129.46
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.70*	
		For Work In Restricted Working Space, Add	*58.20*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	465.72	131.84
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	487.57	140.65
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.54*	
		For Work In Restricted Working Space, Add	*63.26*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	715.93	155.92
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.69*	
		For Work In Restricted Working Space, Add	*70.12*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	748.25	158.92
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.91*	
		For Work In Restricted Working Space, Add	*71.46*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	766.38	166.42
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.48*	
		For Work In Restricted Working Space, Add	*74.86*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	905.24	185.12
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.88*	
		For Work In Restricted Working Space, Add	*83.28*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,114.90	173.46
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.00*	
		For Work In Restricted Working Space, Add	*78.02*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,159.80	181.08
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.58*	
		For Work In Restricted Working Space, Add	*81.47*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,268.88	200.24
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.01*	
		For Work In Restricted Working Space, Add	*90.05*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,676.43	212.36
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.92*	
		For Work In Restricted Working Space, Add	*95.51*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,725.33	212.36
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.92*	
		For Work In Restricted Working Space, Add	*95.51*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,795.93	230.13
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.25*	
		For Work In Restricted Working Space, Add	*103.51*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,108.24	241.55
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.10*	
		For Work In Restricted Working Space, Add	*108.62*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,561.64	248.71
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.64*	
		For Work In Restricted Working Space, Add	*111.87*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,231.41	234.51
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.58*	
		For Work In Restricted Working Space, Add	*105.48*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,416.37	253.78
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.03*	
		For Work In Restricted Working Space, Add	*114.17*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,507.02	264.74
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.85*	
		For Work In Restricted Working Space, Add	*119.08*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,612.03	273.75
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.52*	
		For Work In Restricted Working Space, Add	*123.10*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,728.82	289.68
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.71*	
		For Work In Restricted Working Space, Add	*130.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0103		**Bell And Spigot Cast Iron Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	157.56	76.69
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.51*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	189.57	83.99
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	252.89	110.08
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	350.93	127.88
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.58*	
		For Work In Restricted Working Space, Add	*57.50*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	439.43	158.61
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.89*	
		For Work In Restricted Working Space, Add	*71.33*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	803.89	208.77
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.65*	
		For Work In Restricted Working Space, Add	*93.89*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,159.32	273.75
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.52*	
		For Work In Restricted Working Space, Add	*123.10*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,553.96	351.88
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.38*	
		For Work In Restricted Working Space, Add	*158.27*	
22 13 16 00-0112		**Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	167.94	80.16
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.07*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	236.25	99.07
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.58*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	254.94	101.58
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.62*	
		For Work In Restricted Working Space, Add	*45.71*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	377.38	129.46
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.70*	
		For Work In Restricted Working Space, Add	*58.20*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	393.00	131.84
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	416.61	140.65
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.54*	
		For Work In Restricted Working Space, Add	*63.26*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	573.65	155.92
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.69*	
		For Work In Restricted Working Space, Add	*70.12*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	589.44	166.42
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.48*	
		For Work In Restricted Working Space, Add	*74.86*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	744.22	185.12
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.88*	
		For Work In Restricted Working Space, Add	*83.28*	
22 13 16 00-0122		**Bell And Spigot Cast Iron Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	255.14	91.77
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.88*	
		For Work In Restricted Working Space, Add	*41.26*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	370.86	115.69
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	502.95	146.32
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.97*	
		For Work In Restricted Working Space, Add	*65.84*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	961.72	221.98
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.64*	
		For Work In Restricted Working Space, Add	*99.85*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,923.64	262.09
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.64*	
		For Work In Restricted Working Space, Add	*117.86*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,548.56	293.25
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.98*	
		For Work In Restricted Working Space, Add	*131.90*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,769.09	351.88
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.38*	
		For Work In Restricted Working Space, Add	*158.27*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,980.29	369.31
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*27.70*	
		For Work In Restricted Working Space, Add	*166.20*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	232.13	108.52
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.14*	
		For Work In Restricted Working Space, Add	*48.82*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	269.71	124.67
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.35*	
		For Work In Restricted Working Space, Add	*56.09*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	292.02	130.77
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.84*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	373.93	153.98
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.54*	
		For Work In Restricted Working Space, Add	*69.25*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	396.36	159.85
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.98*	
		For Work In Restricted Working Space, Add	*71.89*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	455.94	174.32
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.07*	
		For Work In Restricted Working Space, Add	*78.40*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	734.83	201.97
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.14*	
		For Work In Restricted Working Space, Add	*90.81*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	800.62	239.01
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.92*	
		For Work In Restricted Working Space, Add	*107.53*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	782.81	216.04
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.20*	
		For Work In Restricted Working Space, Add	*97.19*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	912.34	253.78
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.03*	
		For Work In Restricted Working Space, Add	*114.17*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,123.82	276.63
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.74*	
		For Work In Restricted Working Space, Add	*124.43*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,147.90	282.98
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.22*	
		For Work In Restricted Working Space, Add	*127.29*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,466.69	307.91
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*23.08*	
		For Work In Restricted Working Space, Add	*138.49*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	212.98	91.77
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.88*	
		For Work In Restricted Working Space, Add	*41.26*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	286.82	122.76
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.20*	
		For Work In Restricted Working Space, Add	*55.22*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	374.69	153.50
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.50*	
		For Work In Restricted Working Space, Add	*69.03*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	820.23	248.09
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.60*	
		For Work In Restricted Working Space, Add	*111.59*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	284.26	110.08
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	337.22	124.67
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.35*	
		For Work In Restricted Working Space, Add	*56.09*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	378.56	138.79
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.40*	
		For Work In Restricted Working Space, Add	*62.40*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	756.02	185.05
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.87*	
		For Work In Restricted Working Space, Add	*83.24*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	173.94	76.81
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.76*	
		For Work In Restricted Working Space, Add	*34.54*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	197.74	83.99
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	317.75	102.89
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.72*	
		For Work In Restricted Working Space, Add	*46.30*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	460.04	112.75
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.46*	
		For Work In Restricted Working Space, Add	*50.74*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	551.88	135.23
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.14*	
		For Work In Restricted Working Space, Add	*60.83*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,184.81	177.16
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.28*	
		For Work In Restricted Working Space, Add	*79.68*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,779.81	216.04
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.20*	
		For Work In Restricted Working Space, Add	*97.19*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,654.74	253.78
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.03*	
		For Work In Restricted Working Space, Add	*114.17*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	232.88	80.16
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.01*	
		For Work In Restricted Working Space, Add	*36.07*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	275.70	93.92
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	288.70	93.92
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.23*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	436.65	129.46
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.70*	
		For Work In Restricted Working Space, Add	*58.20*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	454.58	131.84
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	493.14	140.65
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.54*	
		For Work In Restricted Working Space, Add	*63.26*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	840.04	166.42
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.48*	
		For Work In Restricted Working Space, Add	*74.86*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,054.42	185.12
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.88*	
		For Work In Restricted Working Space, Add	*83.28*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	149.39	76.69
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.51*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	185.73	83.99
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	246.02	110.08
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	312.55	127.88
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.58*	
		For Work In Restricted Working Space, Add	*57.50*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	393.50	158.61
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.89*	
		For Work In Restricted Working Space, Add	*71.33*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	675.39	208.77
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.65*	
		For Work In Restricted Working Space, Add	*93.89*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	153.42	76.69
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.51*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	169.33	83.99
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	218.47	110.08
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	155.96	76.69
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.51*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	174.16	83.99
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	230.60	110.08
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	86.40	43.19
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	108.18	56.95
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.64*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	115.60	57.43
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	145.60	68.46
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.14*	
		For Work In Restricted Working Space, Add	*30.81*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	152.27	69.37
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.22*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	157.15	70.84
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	203.58	72.98
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.47*	
		For Work In Restricted Working Space, Add	*32.83*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	229.92	89.90
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.74*	
		For Work In Restricted Working Space, Add	*40.43*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	235.98	92.21
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.92*	
		For Work In Restricted Working Space, Add	*41.49*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	243.73	96.25
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.28*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	304.35	108.03
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.59*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	320.88	113.45
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.51*	
		For Work In Restricted Working Space, Add	*51.05*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	341.89	118.41
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	424.78	128.34
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.62*	
		For Work In Restricted Working Space, Add	*57.71*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	473.78	150.15
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.26*	
		For Work In Restricted Working Space, Add	*67.56*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	512.41	171.03
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.82*	
		For Work In Restricted Working Space, Add	*76.94*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	561.39	197.00
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.77*	
		For Work In Restricted Working Space, Add	*88.61*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	733.53	197.00
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.77*	
		For Work In Restricted Working Space, Add	*88.61*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	780.51	212.36
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.92*	
		For Work In Restricted Working Space, Add	*95.51*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	812.73	223.89
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.79*	
		For Work In Restricted Working Space, Add	*100.72*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	856.40	239.01
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.92*	
		For Work In Restricted Working Space, Add	*107.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0210		**Bell And Spigot Cast Iron P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	88.60	34.33
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	118.71	43.19
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	161.77	57.43
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	257.28	63.37
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.75*	
		For Work In Restricted Working Space, Add	*28.49*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	345.49	74.56
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.59*	
		For Work In Restricted Working Space, Add	*33.53*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	768.20	96.25
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.28*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	851.63	118.41
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.88*	
		For Work In Restricted Working Space, Add	*53.27*	
22 13 16 00-0218		**Bell And Spigot Cast Iron Deep Seal P-Traps** *(22 13 16 00-0030)*		
22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	102.71	34.33
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	146.44	43.19
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	213.33	57.43
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	349.97	70.84
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	371.37	78.97
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.92*	
		For Work In Restricted Working Space, Add	*35.54*	
22 13 16 00-0224		**Bell And Spigot Cast Iron Running Traps With Single Vent** *(22 13 16 00-0030)*		
22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	236.87	82.91
		For Above Ground Cast Iron Pipe Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	316.00	109.00
		For Above Ground Cast Iron Pipe Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.50*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	426.42	123.03
		For Above Ground Cast Iron Pipe Installation, Add	*9.30*	
		For Work In Restricted Working Space, Add	*55.79*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	858.10	139.41
		For Above Ground Cast Iron Pipe Installation, Add	*10.54*	
		For Work In Restricted Working Space, Add	*63.26*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,819.01	164.57
		For Above Ground Cast Iron Pipe Installation, Add	*12.48*	
		For Work In Restricted Working Space, Add	*74.86*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,052.24	183.62
		For Above Ground Cast Iron Pipe Installation, Add	*13.88*	
		For Work In Restricted Working Space, Add	*83.28*	
22 13 16 00-0231		**Bell And Spigot Cast Running Traps With Double Vent** *(22 13 16 00-0030)*		
22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	303.01	114.50
		For Above Ground Cast Iron Pipe Installation, Add	*8.67*	
		For Work In Restricted Working Space, Add	*52.02*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	413.87	144.53
		For Above Ground Cast Iron Pipe Installation, Add	*10.97*	
		For Work In Restricted Working Space, Add	*65.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	956.35	172.28
		For Above Ground Cast Iron Pipe Installation, Add	*13.07*	
		For Work In Restricted Working Space, Add	*78.40*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,109.13	208.54
		For Above Ground Cast Iron Pipe Installation, Add	*15.80*	
		For Work In Restricted Working Space, Add	*94.80*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,036.03	199.54
		For Above Ground Cast Iron Pipe Installation, Add	*15.14*	
		For Work In Restricted Working Space, Add	*90.81*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,331.35	236.94
		For Above Ground Cast Iron Pipe Installation, Add	*17.92*	
		For Work In Restricted Working Space, Add	*107.53*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,431.27	273.41
		For Above Ground Cast Iron Pipe Installation, Add	*20.74*	
		For Work In Restricted Working Space, Add	*124.43*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,133.99	316.10
		For Above Ground Cast Iron Pipe Installation, Add	*23.94*	
		For Work In Restricted Working Space, Add	*143.66*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,943.73	365.62
		For Above Ground Cast Iron Pipe Installation, Add	*27.71*	
		For Work In Restricted Working Space, Add	*166.25*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	183.89	
		For Above Ground Cast Iron Pipe Installation, Add	*2.57*	
		For Work In Restricted Working Space, Add	*15.40*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	253.80	
		For Above Ground Cast Iron Pipe Installation, Add	*2.88*	
		For Work In Restricted Working Space, Add	*17.30*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	292.96	
		For Above Ground Cast Iron Pipe Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.18*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	361.84	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	439.43	
		For Above Ground Cast Iron Pipe Installation, Add	*5.42*	
		For Work In Restricted Working Space, Add	*32.52*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	833.15	
		For Above Ground Cast Iron Pipe Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.10*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe	14.30	
		For Above Ground Cast Iron Pipe Installation, Add	*0.72*	
		For Work In Restricted Working Space, Add	*4.29*	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe	15.60	
		For Above Ground Cast Iron Pipe Installation, Add	*0.78*	
		For Work In Restricted Working Space, Add	*4.68*	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe	19.49	
		For Above Ground Cast Iron Pipe Installation, Add	*0.97*	
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe	23.39	
		For Above Ground Cast Iron Pipe Installation, Add	*1.17*	
		For Work In Restricted Working Space, Add	*7.02*	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe	31.19	
		For Above Ground Cast Iron Pipe Installation, Add	*1.56*	
		For Work In Restricted Working Space, Add	*9.36*	
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe	36.38	
		For Above Ground Cast Iron Pipe Installation, Add	*1.82*	
		For Work In Restricted Working Space, Add	*10.91*	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe	42.88	
		For Above Ground Cast Iron Pipe Installation, Add	*2.14*	
		For Work In Restricted Working Space, Add	*12.86*	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe	49.38	
		For Above Ground Cast Iron Pipe Installation, Add	*2.47*	
		For Work In Restricted Working Space, Add	*14.81*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.88
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	13.81
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.69
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.41
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0268		**No Hub Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		**No Hub Cast Iron Pipe** *(22 13 16 00-0268)* Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe	21.41	7.18
		For Below Ground Installation, Add	*0.54*	
		For Work In Restricted Working Space, Add	*3.23*	
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe	22.71	7.66
		For Below Ground Installation, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.47*	
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe	32.17	11.12
		For Below Ground Installation, Add	*0.84*	
		For Work In Restricted Working Space, Add	*5.02*	
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	41.75	14.47
		For Below Ground Installation, Add	*1.09*	
		For Work In Restricted Working Space, Add	*6.53*	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	53.77	17.29
		For Below Ground Installation, Add	*1.30*	
		For Work In Restricted Working Space, Add	*7.78*	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	62.69	18.87
		For Below Ground Installation, Add	*1.41*	
		For Work In Restricted Working Space, Add	*8.47*	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	95.76	27.12
		For Below Ground Installation, Add	*2.03*	
		For Work In Restricted Working Space, Add	*12.17*	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	137.64	30.82
		For Below Ground Installation, Add	*2.31*	
		For Work In Restricted Working Space, Add	*13.85*	
22 13 16 00-0278		**No Hub Cast Iron Fittings** *(22 13 16 00-0268)*		
22 13 16 00-0279		**No Hub Cast Iron Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	76.06	32.54
		For Below Ground Installation, Add	*2.44*	
		For Work In Restricted Working Space, Add	*14.65*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	78.81	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	93.33	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	129.31	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	181.46	57.05
		For Below Ground Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.65*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	215.16	68.01
		For Below Ground Installation, Add	*5.10*	
		For Work In Restricted Working Space, Add	*30.61*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	441.17	87.94
		For Below Ground Installation, Add	*6.59*	
		For Work In Restricted Working Space, Add	*39.57*	
22 13 16 00-0287		**No Hub Cast Iron Reducing Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	122.14	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	184.22	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0290		**No Hub Cast Iron Short Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	73.02	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	88.75	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	126.91	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	182.36	57.05
		For Below Ground Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.65*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	201.10	68.01
		For Below Ground Installation, Add	*5.10*	
		For Work In Restricted Working Space, Add	*30.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	398.67	87.94
		For Below Ground Installation, Add	*6.59*	
		For Work In Restricted Working Space, Add	*39.57*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	653.91	123.14
		For Below Ground Installation, Add	*9.23*	
		For Work In Restricted Working Space, Add	*55.40*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	65.99	32.54
		For Below Ground Installation, Add	*2.44*	
		For Work In Restricted Working Space, Add	*14.65*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	69.04	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	82.28	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	112.62	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	164.61	57.05
		For Below Ground Installation, Add	*4.27*	
		For Work In Restricted Working Space, Add	*25.65*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	189.74	68.01
		For Below Ground Installation, Add	*5.10*	
		For Work In Restricted Working Space, Add	*30.61*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	365.58	87.94
		For Below Ground Installation, Add	*6.59*	
		For Work In Restricted Working Space, Add	*39.57*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	62.30	32.54
		For Below Ground Installation, Add	*2.44*	
		For Work In Restricted Working Space, Add	*14.65*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	64.67	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	77.99	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	102.99	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	172.83	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	306.30	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	479.73	122.76
		For Below Ground Installation, Add	*9.20*	
		For Work In Restricted Working Space, Add	*55.22*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	100.62	51.20
		For Below Ground Installation, Add	*3.84*	
		For Work In Restricted Working Space, Add	*23.01*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	128.26	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	147.03	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	203.26	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	282.68	111.05
		For Below Ground Installation, Add	*8.32*	
		For Work In Restricted Working Space, Add	*49.94*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	335.42	131.84
		For Below Ground Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	587.36	176.00
		For Below Ground Installation, Add	*13.19*	
		For Work In Restricted Working Space, Add	*79.14*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	993.71	195.50
		For Below Ground Installation, Add	*14.66*	
		For Work In Restricted Working Space, Add	*87.93*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	125.39	66.28
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.79*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	140.04	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	159.33	83.99
		For Below Ground Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	184.68	93.32
		For Below Ground Installation, Add	*7.00*	
		For Work In Restricted Working Space, Add	*41.98*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	242.49	112.17
		For Below Ground Installation, Add	*8.41*	
		For Work In Restricted Working Space, Add	*50.48*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	259.44	117.26
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.72*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	297.08	137.03
		For Below Ground Installation, Add	*10.27*	
		For Work In Restricted Working Space, Add	*61.62*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	392.73	138.37
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.24*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	456.77	152.11
		For Below Ground Installation, Add	*11.40*	
		For Work In Restricted Working Space, Add	*68.39*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	727.48	162.04
		For Below Ground Installation, Add	*12.15*	
		For Work In Restricted Working Space, Add	*72.89*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	767.02	173.46
		For Below Ground Installation, Add	*13.00*	
		For Work In Restricted Working Space, Add	*78.02*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	886.46	185.23
		For Below Ground Installation, Add	*13.88*	
		For Work In Restricted Working Space, Add	*83.30*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	113.51	59.58
		For Below Ground Installation, Add	*4.46*	
		For Work In Restricted Working Space, Add	*26.79*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	129.24	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	154.40	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	224.10	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	417.75	153.50
		For Below Ground Installation, Add	*11.50*	
		For Work In Restricted Working Space, Add	*69.03*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	766.11	196.93
		For Below Ground Installation, Add	*14.76*	
		For Work In Restricted Working Space, Add	*88.58*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	897.57	238.09
		For Below Ground Installation, Add	*17.85*	
		For Work In Restricted Working Space, Add	*107.08*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	130.44	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	143.72	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	166.71	83.99
		For Below Ground Installation, Add	*6.30*	
		For Work In Restricted Working Space, Add	*37.78*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	191.83	93.32
		For Below Ground Installation, Add	*7.00*	
		For Work In Restricted Working Space, Add	*41.98*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	263.92	112.17
		For Below Ground Installation, Add	*8.41*	
		For Work In Restricted Working Space, Add	*50.48*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	296.90	117.26
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.72*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	329.88	137.03
		For Below Ground Installation, Add	*10.27*	
		For Work In Restricted Working Space, Add	*61.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	454.03	138.37
		For Below Ground Installation, Add	*10.37*	
		For Work In Restricted Working Space, Add	*62.24*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	596.89	152.11
		For Below Ground Installation, Add	*11.40*	
		For Work In Restricted Working Space, Add	*68.39*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	163.11	86.26
		For Below Ground Installation, Add	*6.47*	
		For Work In Restricted Working Space, Add	*38.80*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	219.71	105.05
		For Below Ground Installation, Add	*7.87*	
		For Work In Restricted Working Space, Add	*47.23*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	300.31	114.86
		For Below Ground Installation, Add	*8.61*	
		For Work In Restricted Working Space, Add	*51.65*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	469.90	166.18
		For Below Ground Installation, Add	*12.45*	
		For Work In Restricted Working Space, Add	*74.72*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	933.76	223.89
		For Below Ground Installation, Add	*16.79*	
		For Work In Restricted Working Space, Add	*100.72*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	196.68	95.59
		For Below Ground Installation, Add	*7.16*	
		For Work In Restricted Working Space, Add	*42.98*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	236.78	110.08
		For Below Ground Installation, Add	*8.25*	
		For Work In Restricted Working Space, Add	*49.51*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	260.84	120.00
		For Below Ground Installation, Add	*9.00*	
		For Work In Restricted Working Space, Add	*53.97*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	398.74	146.52
		For Below Ground Installation, Add	*10.98*	
		For Work In Restricted Working Space, Add	*65.90*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	214.57	103.62
		For Below Ground Installation, Add	*7.77*	
		For Work In Restricted Working Space, Add	*46.61*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	263.83	114.86
		For Below Ground Installation, Add	*8.61*	
		For Work In Restricted Working Space, Add	*51.65*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	403.00	152.07
		For Below Ground Installation, Add	*11.40*	
		For Work In Restricted Working Space, Add	*68.37*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	556.33	234.74
		For Below Ground Installation, Add	*17.60*	
		For Work In Restricted Working Space, Add	*105.57*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	202.35	89.13
		For Below Ground Installation, Add	*6.68*	
		For Work In Restricted Working Space, Add	*40.10*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	234.51	103.62
		For Below Ground Installation, Add	*7.77*	
		For Work In Restricted Working Space, Add	*46.61*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	284.71	113.19
		For Below Ground Installation, Add	*8.49*	
		For Work In Restricted Working Space, Add	*50.91*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	97.96	50.13
		For Below Ground Installation, Add	*3.76*	
		For Work In Restricted Working Space, Add	*22.58*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	129.46	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	144.33	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	197.10	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	283.96	111.05
		For Below Ground Installation, Add	*8.32*	
		For Work In Restricted Working Space, Add	*49.94*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	334.51	131.84
		For Below Ground Installation, Add	*9.89*	
		For Work In Restricted Working Space, Add	*59.31*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	663.40	176.00
		For Below Ground Installation, Add	*13.19*	
		For Work In Restricted Working Space, Add	*79.14*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	110.27	56.59
		For Below Ground Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	127.50	66.28
		For Below Ground Installation, Add	*4.96*	
		For Work In Restricted Working Space, Add	*29.79*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	132.25	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	161.35	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	176.94	93.92
		For Below Ground Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.23*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	184.01	93.92
		For Below Ground Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.23*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	242.17	105.51
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.45*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	252.03	105.51
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.45*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	253.23	105.51
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.45*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	262.60	109.92
		For Below Ground Installation, Add	*8.24*	
		For Work In Restricted Working Space, Add	*49.43*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	520.24	148.42
		For Below Ground Installation, Add	*11.12*	
		For Work In Restricted Working Space, Add	*66.74*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	76.41	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	88.97	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	108.48	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	71.97	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	92.21	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	136.68	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	229.99	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	319.44	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	385.07	151.59
		For Below Ground Installation, Add	*11.37*	
		For Work In Restricted Working Space, Add	*68.20*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	59.86	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	72.43	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	103.89	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	163.81	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	218.08	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	131.24	67.00
		For Below Ground Installation, Add	*5.03*	
		For Work In Restricted Working Space, Add	*30.17*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	142.40	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	174.34	75.98
		For Below Ground Installation, Add	*5.70*	
		For Work In Restricted Working Space, Add	*34.18*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	263.06	99.78
		For Below Ground Installation, Add	*7.48*	
		For Work In Restricted Working Space, Add	*44.87*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	187.96	89.13
		For Below Ground Installation, Add	*6.68*	
		For Work In Restricted Working Space, Add	*40.10*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	214.31	91.77
		For Below Ground Installation, Add	*6.88*	
		For Work In Restricted Working Space, Add	*41.28*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	236.19	95.84
		For Below Ground Installation, Add	*7.18*	
		For Work In Restricted Working Space, Add	*43.08*	

22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	116.90	69.39
		For Below Ground Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.21*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	160.39	93.92
		For Below Ground Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.23*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	160.99	93.92
		For Below Ground Installation, Add	*7.04*	
		For Work In Restricted Working Space, Add	*42.23*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	186.97	105.51
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.45*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	190.95	105.51
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.45*	
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	192.53	105.51
		For Below Ground Installation, Add	*7.91*	
		For Work In Restricted Working Space, Add	*47.45*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	225.45	117.26
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.72*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	226.05	117.26
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.72*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	227.85	117.26
		For Below Ground Installation, Add	*8.79*	
		For Work In Restricted Working Space, Add	*52.72*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	312.47	164.22
		For Below Ground Installation, Add	*12.31*	
		For Work In Restricted Working Space, Add	*73.86*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	317.06	164.22
		For Below Ground Installation, Add	*12.31*	
		For Work In Restricted Working Space, Add	*73.86*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	324.43	164.22
		For Below Ground Installation, Add	*12.31*	
		For Work In Restricted Working Space, Add	*73.86*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	332.10	164.22
		For Below Ground Installation, Add	*12.31*	
		For Work In Restricted Working Space, Add	*73.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	333.01	164.22
		For Below Ground Installation, Add	*12.31*	
		For Work In Restricted Working Space, Add	*73.86*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	401.97	173.23
		For Below Ground Installation, Add	*12.98*	
		For Work In Restricted Working Space, Add	*77.90*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	430.66	180.84
		For Below Ground Installation, Add	*13.56*	
		For Work In Restricted Working Space, Add	*81.36*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	485.34	196.31
		For Below Ground Installation, Add	*14.72*	
		For Work In Restricted Working Space, Add	*88.29*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	31.79	16.29
		For Below Ground Installation, Add	*1.22*	
		For Work In Restricted Working Space, Add	*7.33*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	32.53	16.99
		For Below Ground Installation, Add	*1.27*	
		For Work In Restricted Working Space, Add	*7.64*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	41.74	19.51
		For Below Ground Installation, Add	*1.46*	
		For Work In Restricted Working Space, Add	*8.75*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	55.41	25.73
		For Below Ground Installation, Add	*1.93*	
		For Work In Restricted Working Space, Add	*11.57*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	74.78	29.04
		For Below Ground Installation, Add	*2.17*	
		For Work In Restricted Working Space, Add	*13.05*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	82.65	34.00
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.32*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	165.56	43.97
		For Below Ground Installation, Add	*3.30*	
		For Work In Restricted Working Space, Add	*19.77*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	214.25	47.32
		For Below Ground Installation, Add	*3.55*	
		For Work In Restricted Working Space, Add	*21.29*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	77.01	33.98
		For Below Ground Installation, Add	*2.55*	
		For Work In Restricted Working Space, Add	*15.27*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	117.85	38.88
		For Below Ground Installation, Add	*2.92*	
		For Work In Restricted Working Space, Add	*17.51*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	180.53	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	322.63	57.50
		For Below Ground Installation, Add	*4.31*	
		For Work In Restricted Working Space, Add	*25.85*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	339.50	68.57
		For Below Ground Installation, Add	*5.14*	
		For Work In Restricted Working Space, Add	*30.84*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	126.95	43.19
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	185.43	57.43
		For Below Ground Installation, Add	*4.30*	
		For Work In Restricted Working Space, Add	*25.82*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	273.11	75.85
		For Below Ground Installation, Add	*5.68*	
		For Work In Restricted Working Space, Add	*34.10*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	118.56	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	127.14	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	239.12	51.45
		For Below Ground Installation, Add	*3.86*	
		For Work In Restricted Working Space, Add	*23.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0463		**No Hub Cast Iron Threaded Adapter** *(22 13 16 00-0278)*		
22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	87.08	43.19
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	94.00	43.19
		For Below Ground Installation, Add	*3.23*	
		For Work In Restricted Working Space, Add	*19.40*	
22 13 16 00-0466		**No Hub Couplings** *(22 13 16 00-0278)*		
		Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.		
22 13 16 00-0467	EA	1-1/2" No Hub Coupling	7.47	
		For Medium Duty (Fernco MD-2000), Add	*0.97*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.02*	
22 13 16 00-0468	EA	2" No Hub Coupling	7.47	
		For Medium Duty (Fernco MD-2000), Add	*0.97*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.02*	
22 13 16 00-0469	EA	3" No Hub Coupling	8.87	
		For Medium Duty (Fernco MD-2000), Add	*1.15*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.39*	
22 13 16 00-0470	EA	4" No Hub Coupling	10.53	
		For Medium Duty (Fernco MD-2000), Add	*1.37*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.84*	
22 13 16 00-0471	EA	5" No Hub Coupling	24.36	
		For Medium Duty (Fernco MD-2000), Add	*3.17*	
		For Heavy-Duty (Fernco HD-4000), Add	*6.58*	
22 13 16 00-0472	EA	6" No Hub Coupling	26.76	
		For Medium Duty (Fernco MD-2000), Add	*3.48*	
		For Heavy-Duty (Fernco HD-4000), Add	*7.23*	
22 13 16 00-0473	EA	8" No Hub Coupling	50.42	
		For Medium Duty (Fernco MD-2000), Add	*6.55*	
		For Heavy-Duty (Fernco HD-4000), Add	*13.61*	
22 13 16 00-0474	EA	10" No Hub Coupling	69.46	
		For Medium Duty (Fernco MD-2000), Add	*9.03*	
		For Heavy-Duty (Fernco HD-4000), Add	*18.75*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	8.87	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	13.76	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	19.20	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	16.36	
22 13 16 00-0479		**Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts** *(22 13 16 00-0278)*		
		Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	
22 13 16 00-0488		**Cut And Prepare Existing Pipe In-Place** *(22 13 16 00-0268)*		
		Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA	Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub	11.69	
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0490	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub	14.30	
		For Work In Restricted Working Space, Add	*4.29*	
22 13 16 00-0491	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub	15.60	
		For Work In Restricted Working Space, Add	*4.68*	
22 13 16 00-0492	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub	19.49	
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0493	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub	23.38	
		For Work In Restricted Working Space, Add	*7.01*	
22 13 16 00-0494	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub	31.19	
		For Work In Restricted Working Space, Add	*9.36*	
22 13 16 00-0495	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub	36.38	
		For Work In Restricted Working Space, Add	*10.91*	
22 13 16 00-0496		**Copper Drain-Waste-Vent (DWV) Pipe** *(22 13 16)*		
		See CSI section 22 11 16 00-0458 for copper and brass fittings.		
22 13 16 00-0497	LF	1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	18.80	5.62
22 13 16 00-0498	LF	1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	22.43	6.28
22 13 16 00-0499	LF	2" Diameter, Hard Drawn DWV Copper Tube/Pipe	28.86	7.75
22 13 16 00-0500	LF	3" Diameter, Hard Drawn DWV Copper Tube/Pipe	62.26	10.73
22 13 16 00-0501	LF	4" Diameter, Hard Drawn DWV Copper Tube/Pipe	86.85	12.11
22 13 16 00-0502	LF	5" Diameter, Hard Drawn DWV Copper Tube/Pipe	170.36	13.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0503	LF	6" Diameter, Hard Drawn DWV Copper Tube/Pipe	243.04	21.55
22 13 16 00-0504		**Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation. See CSI section 33 31 11 00-0019 for underground installation.		
22 13 16 00-0505		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0504)*		
22 13 16 00-0506		**Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)*		
		Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.		
22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	14.09	
		For Work In Restricted Working Space, Add	*2.80*	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	16.82	
		For Work In Restricted Working Space, Add	*3.41*	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	27.82	
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	36.24	
		For Work In Restricted Working Space, Add	*5.31*	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	67.19	
		For Work In Restricted Working Space, Add	*6.84*	
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	96.15	
		For Work In Restricted Working Space, Add	*9.14*	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	139.51	
		For Work In Restricted Working Space, Add	*12.19*	
22 13 16 00-0514		**Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** *(22 13 16 00-0505)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.63	5.02
		For Work In Restricted Working Space, Add	*5.76*	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	31.03	5.98
		For Work In Restricted Working Space, Add	*6.40*	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	43.88	8.62
		For Work In Restricted Working Space, Add	*7.96*	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.46	9.33
		For Work In Restricted Working Space, Add	*8.69*	
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	90.69	11.97
		For Work In Restricted Working Space, Add	*11.13*	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	120.19	15.91
		For Work In Restricted Working Space, Add	*12.76*	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	169.41	21.30
		For Work In Restricted Working Space, Add	*16.63*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0523		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0522)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.51	5.02
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.93	5.98
		For Work In Restricted Working Space, Add	*2.69*	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	20.81	8.62
		For Work In Restricted Working Space, Add	*3.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	25.18	9.33
		For Work In Restricted Working Space, Add	*4.19*	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	36.95	11.29
		For Work In Restricted Working Space, Add	*5.08*	
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	52.97	15.02
		For Work In Restricted Working Space, Add	*6.78*	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	76.65	20.11
		For Work In Restricted Working Space, Add	*9.04*	

22 13 16 00-0531 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0522)*

Note: Excludes fittings or hangers.

22 13 16 00-0532	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.61	5.02
		For Work In Restricted Working Space, Add	*2.24*	
22 13 16 00-0533	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.86	5.98
		For Work In Restricted Working Space, Add	*2.69*	
22 13 16 00-0534	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	18.78	8.62
		For Work In Restricted Working Space, Add	*3.86*	
22 13 16 00-0535	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	22.49	9.33
		For Work In Restricted Working Space, Add	*4.19*	
22 13 16 00-0536	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	31.94	11.29
		For Work In Restricted Working Space, Add	*5.08*	
22 13 16 00-0537	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	45.94	15.02
		For Work In Restricted Working Space, Add	*6.78*	
22 13 16 00-0538	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	69.00	20.11
		For Work In Restricted Working Space, Add	*9.04*	

22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0504)*

22 13 16 00-0540 Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0539)*

22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	39.45	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	50.38	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	89.01	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	139.52	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	562.75	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	935.42	69.76
		For Work In Restricted Working Space, Add	*31.41*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,234.83	92.97
		For Work In Restricted Working Space, Add	*41.87*	

22 13 16 00-0548 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0539)*

22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	66.19	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	65.77	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	128.59	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	212.08	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	422.60	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	751.24	69.76
		For Work In Restricted Working Space, Add	*31.41*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,231.53	92.97
		For Work In Restricted Working Space, Add	*41.87*	

22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	41.65	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	50.20	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	85.71	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	123.40	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	521.71	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	840.03	69.76
		For Work In Restricted Working Space, Add	*31.41*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	954.23	92.97
		For Work In Restricted Working Space, Add	*41.87*	

22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0539)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	61.90	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	81.80	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	142.03	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	213.41	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	836.00	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	1,086.97	104.57
		For Work In Restricted Working Space, Add	*47.11*	

22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	79.83	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	95.76	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	77.62	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	116.05	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	117.86	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	141.47	49.77
		For Work In Restricted Working Space, Add	*22.43*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	246.61	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	313.47	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	803.36	71.67
		For Work In Restricted Working Space, Add	*32.30*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,556.18	89.61
		For Work In Restricted Working Space, Add	*40.38*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,643.24	95.59
		For Work In Restricted Working Space, Add	*43.07*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	111.12	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	151.69	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	313.59	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	458.42	79.68
		For Work In Restricted Working Space, Add	*35.90*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	136.10	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	240.85	54.20
		For Work In Restricted Working Space, Add	*24.41*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	278.72	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	514.27	65.33
		For Work In Restricted Working Space, Add	*29.43*	
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	538.85	74.06
		For Work In Restricted Working Space, Add	*33.38*	

22 13 16 00-0594 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0539)*

22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	53.16	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	101.51	27.04
		For Work In Restricted Working Space, Add	*12.20*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	95.79	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	149.82	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	160.98	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	596.86	43.07
		For Work In Restricted Working Space, Add	*19.38*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	496.25	45.83
		For Work In Restricted Working Space, Add	*20.64*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,255.15	54.80
		For Work In Restricted Working Space, Add	*24.68*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,056.25	60.78
		For Work In Restricted Working Space, Add	*27.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,422.16	72.38
		For Work In Restricted Working Space, Add	*32.60*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,107.51	81.36
		For Work In Restricted Working Space, Add	*36.64*	
22 13 16 00-0606		**Polyvinyl Chloride (PVC) DWV P-Traps** *(22 13 16 00-0539)*		
22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	78.21	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	102.87	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	303.45	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	628.58	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	1,069.38	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0612		**Polyvinyl Chloride (PVC) DWV Closet Flanges** *(22 13 16 00-0539)*		
22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	123.76	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	100.33	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 13 16 00-0615		**Polyvinyl Chloride (PVC) DWV Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	78.94	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	91.69	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	154.67	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	234.11	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	758.31	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	939.40	104.57
		For Work In Restricted Working Space, Add	*47.11*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,236.00	139.39
		For Work In Restricted Working Space, Add	*62.81*	
22 13 16 00-0623		**Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	109.88	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	113.53	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	161.10	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	130.50	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	225.13	49.77
		For Work In Restricted Working Space, Add	*22.43*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	194.95	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	220.95	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	685.58	68.92
		For Work In Restricted Working Space, Add	*31.05*	
22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	852.16	71.67
		For Work In Restricted Working Space, Add	*32.30*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	805.15	89.61
		For Work In Restricted Working Space, Add	*40.38*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,020.96	95.59
		For Work In Restricted Working Space, Add	*43.07*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	924.98	112.83
		For Work In Restricted Working Space, Add	*50.85*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,158.64	118.81
		For Work In Restricted Working Space, Add	*53.54*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,351.52	127.78
		For Work In Restricted Working Space, Add	*57.58*	
22 13 16 00-0638		**Polyvinyl Chloride (PVC) DWV Double Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	132.37	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	169.83	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	343.82	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	608.11	79.68
		For Work In Restricted Working Space, Add	*35.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,261.76	103.62
		For Work In Restricted Working Space, Add	*46.66*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,457.86	139.51
		For Work In Restricted Working Space, Add	*62.81*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,268.59	185.93
		For Work In Restricted Working Space, Add	*83.75*	

22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	153.39	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	292.76	54.20
		For Work In Restricted Working Space, Add	*24.41*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	269.11	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	390.92	65.33
		For Work In Restricted Working Space, Add	*29.43*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	498.04	74.06
		For Work In Restricted Working Space, Add	*33.38*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	772.84	91.65
		For Work In Restricted Working Space, Add	*41.28*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	904.21	109.59
		For Work In Restricted Working Space, Add	*49.35*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,154.96	121.56
		For Work In Restricted Working Space, Add	*54.74*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,219.24	132.81
		For Work In Restricted Working Space, Add	*59.82*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,589.39	144.77
		For Work In Restricted Working Space, Add	*65.21*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,924.89	162.72
		For Work In Restricted Working Space, Add	*73.28*	

22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	100.19	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	124.85	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	254.34	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	457.64	59.82
		For Work In Restricted Working Space, Add	*26.92*	

22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	192.86	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	308.95	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	222.19	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	416.22	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	450.83	56.95
		For Work In Restricted Working Space, Add	*25.67*	

22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	148.86	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	171.66	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	268.15	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	990.30	79.68
		For Work In Restricted Working Space, Add	*35.90*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,316.44	103.62
		For Work In Restricted Working Space, Add	*46.66*	

22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	359.54	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	583.36	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	1,018.07	65.33
		For Work In Restricted Working Space, Add	*29.43*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	916.39	74.06
		For Work In Restricted Working Space, Add	*33.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,202.61	91.65
		For Work In Restricted Working Space, Add	*41.28*	

22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	219.62	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	387.01	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	628.67	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,682.65	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,106.80	104.57
		For Work In Restricted Working Space, Add	*47.11*	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,795.57	139.39
		For Work In Restricted Working Space, Add	*62.81*	

22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0539)*

22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	57.95	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	83.54	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	121.07	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	223.43	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	526.84	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,199.71	69.76
		For Work In Restricted Working Space, Add	*31.41*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,222.60	92.97
		For Work In Restricted Working Space, Add	*41.85*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	38.23	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	47.63	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	75.33	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	99.07	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	294.36	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	730.38	69.76
		For Work In Restricted Working Space, Add	*31.41*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,109.18	92.97
		For Work In Restricted Working Space, Add	*41.88*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	23.37	9.93
		For Work In Restricted Working Space, Add	*4.49*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	39.82	12.80
		For Work In Restricted Working Space, Add	*5.74*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	83.09	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	161.37	19.98
		For Work In Restricted Working Space, Add	*8.98*	

22 13 16 00-0709 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0504)*

Note: In place piping.

22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.77
22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.65
22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.27
22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	16.57
22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	23.67
22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	31.57
22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	38.60

22 13 16 00-0717 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0718 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies *(22 13 16 00-0717)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.28	5.02
			For Work In Restricted Working Space, Add	*6.89*	
	22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.53	5.98
			For Work In Restricted Working Space, Add	*7.62*	
	22 13 16 00-0721	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	44.47	8.62
			For Work In Restricted Working Space, Add	*9.47*	
	22 13 16 00-0722	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	51.25	9.33
			For Work In Restricted Working Space, Add	*10.52*	
	22 13 16 00-0723	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	85.65	11.97
			For Work In Restricted Working Space, Add	*13.99*	
22 13 16 00-0724			**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0717)* Note: Excludes fittings or hangers.		
	22 13 16 00-0725	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	10.21	5.02
			For Work In Restricted Working Space, Add	*2.24*	
	22 13 16 00-0726	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.63	5.98
			For Work In Restricted Working Space, Add	*2.69*	
	22 13 16 00-0727	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	20.44	8.62
			For Work In Restricted Working Space, Add	*3.86*	
	22 13 16 00-0728	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	24.79	9.33
			For Work In Restricted Working Space, Add	*4.19*	
	22 13 16 00-0729	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	38.99	11.29
			For Work In Restricted Working Space, Add	*5.08*	
22 13 16 00-0730			**Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)** *(22 13 16 00-0717)*		
22 13 16 00-0731			**Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends** *(22 13 16 00-0730)*		
	22 13 16 00-0732	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	41.52	19.98
			For Work In Restricted Working Space, Add	*8.98*	
	22 13 16 00-0733	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	54.84	25.49
			For Work In Restricted Working Space, Add	*11.49*	
	22 13 16 00-0734	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	102.52	34.22
			For Work In Restricted Working Space, Add	*15.44*	
	22 13 16 00-0735	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	159.89	39.84
			For Work In Restricted Working Space, Add	*17.95*	
	22 13 16 00-0736	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	451.25	51.81
			For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0737			**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0730)*		
	22 13 16 00-0738	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	57.57	19.98
			For Work In Restricted Working Space, Add	*8.98*	
	22 13 16 00-0739	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	70.52	25.49
			For Work In Restricted Working Space, Add	*11.49*	
	22 13 16 00-0740	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	141.46	34.22
			For Work In Restricted Working Space, Add	*15.44*	
	22 13 16 00-0741	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	237.35	39.84
			For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0742			**Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends** *(22 13 16 00-0730)*		
	22 13 16 00-0743	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	43.70	19.98
			For Work In Restricted Working Space, Add	*8.98*	
	22 13 16 00-0744	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	53.32	25.49
			For Work In Restricted Working Space, Add	*11.49*	
	22 13 16 00-0745	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	94.54	34.22
			For Work In Restricted Working Space, Add	*15.44*	
	22 13 16 00-0746	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	145.15	39.84
			For Work In Restricted Working Space, Add	*17.95*	
	22 13 16 00-0747	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	466.80	51.81
			For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0748			**Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees** *(22 13 16 00-0730)*		
	22 13 16 00-0749	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	64.62	29.92
			For Work In Restricted Working Space, Add	*13.46*	
	22 13 16 00-0750	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	87.13	38.29
			For Work In Restricted Working Space, Add	*17.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0751	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	152.85	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0752	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	235.14	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0753	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	904.79	77.65
		For Work In Restricted Working Space, Add	*35.00*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	80.56	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	97.49	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	81.72	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	124.20	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	128.92	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	284.35	49.77
		For Work In Restricted Working Space, Add	*22.43*	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	274.59	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	314.95	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	988.87	71.67
		For Work In Restricted Working Space, Add	*32.30*	

22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	119.84	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	164.14	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	348.89	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	513.92	79.68
		For Work In Restricted Working Space, Add	*35.90*	

22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	136.27	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	206.73	54.20
		For Work In Restricted Working Space, Add	*24.41*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	238.08	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	419.36	61.68
		For Work In Restricted Working Space, Add	*27.79*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	440.80	69.93
		For Work In Restricted Working Space, Add	*31.52*	

22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0730)*

22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	84.64	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	98.27	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	167.56	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	258.15	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	734.62	77.65
		For Work In Restricted Working Space, Add	*35.00*	

22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes *(22 13 16 00-0730)*

22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	120.02	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	123.50	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	140.84	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	214.28	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	243.64	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	618.25	71.67
		For Work In Restricted Working Space, Add	*32.30*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0788			**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0789		EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	144.42	39.84
			For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0790		EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	185.40	50.97
			For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0791		EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	384.23	68.56
			For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0792		EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	689.56	79.68
			For Work In Restricted Working Space, Add	*35.90*	
22 13 16 00-0793			**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0794		EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	167.58	45.47
			For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0795		EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	279.81	54.20
			For Work In Restricted Working Space, Add	*24.41*	
22 13 16 00-0796		EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	298.61	59.82
			For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0797		EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	439.81	65.33
			For Work In Restricted Working Space, Add	*29.43*	
22 13 16 00-0798		EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	562.61	74.06
			For Work In Restricted Working Space, Add	*33.38*	
22 13 16 00-0799			**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0800		EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	108.40	29.92
			For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0801		EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	140.01	38.29
			For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0802		EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	213.23	51.45
			For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0803		EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	351.84	56.48
			For Work In Restricted Working Space, Add	*25.42*	
22 13 16 00-0804			**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0805		EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	120.12	35.41
			For Work In Restricted Working Space, Add	*15.98*	
22 13 16 00-0806		EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	224.75	44.27
			For Work In Restricted Working Space, Add	*19.92*	
22 13 16 00-0807		EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	169.55	47.02
			For Work In Restricted Working Space, Add	*21.18*	
22 13 16 00-0808		EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	299.39	52.64
			For Work In Restricted Working Space, Add	*23.69*	
22 13 16 00-0809		EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	324.24	56.95
			For Work In Restricted Working Space, Add	*25.67*	
22 13 16 00-0810			**Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0811		EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	226.07	50.97
			For Work In Restricted Working Space, Add	*22.97*	
22 13 16 00-0812		EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	447.70	68.56
			For Work In Restricted Working Space, Add	*30.87*	
22 13 16 00-0813			**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0814		EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	188.50	45.47
			For Work In Restricted Working Space, Add	*20.46*	
22 13 16 00-0815		EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	428.66	59.82
			For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0816			**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug** *(22 13 16 00-0730)*		
22 13 16 00-0817		EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	119.60	29.92
			For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0818		EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	151.20	38.29
			For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0819		EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	238.25	51.45
			For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0820		EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	390.84	59.82
			For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0821			**Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug** *(22 13 16 00-0730)*		

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22 13 16 00-0822	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	55.54	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0823	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	79.64	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0824	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	114.99	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	209.42	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	488.46	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0827		**Acrylonitrile Butadiene Styrene (ABS) DWV Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	38.75	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	47.60	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	76.78	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	101.58	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	284.18	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 13 16 00-0833		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducers** *(22 13 16 00-0730)*		
22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	56.49	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	111.65	27.04
		For Work In Restricted Working Space, Add	*12.20*	
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	104.37	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	166.44	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	178.45	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 13 16 00-0839		**Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps** *(22 13 16 00-0730)*		
22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	88.26	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	127.68	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	398.94	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	748.96	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 13 16 00-0844		**Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges** *(22 13 16 00-0730)*		
22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	120.42	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	112.47	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 13 16 00-0847		**Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters** *(22 13 16 00-0730)*		
22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	26.23	9.93
		For Work In Restricted Working Space, Add	*4.49*	
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	39.12	12.80
		For Work In Restricted Working Space, Add	*5.74*	
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	83.92	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	158.65	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0852		**Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings** *(22 13 16 00-0730)*		
22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	43.41	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	90.91	27.04
		For Work In Restricted Working Space, Add	*12.20*	
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	76.78	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	164.82	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	122.72	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	328.03	43.27
		For Work In Restricted Working Space, Add	*19.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0859		**Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	167.34	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	184.87	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	207.19	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	224.72	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0864		**Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe** *(22 13 16 00-0717)*		
		Note: In place piping.		
22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.77	
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.65	
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.27	
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	16.57	
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	23.67	
22 13 16 00-0870		**Elastomeric Flexible Pipe Couplings** *(22 13 16)*		
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0870)*		
		Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	14.89	5.20
		For Work In Restricted Working Space, Add	*3.12*	
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.03	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	16.86	5.85
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.34	6.17
		For Work In Restricted Working Space, Add	*3.71*	
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	21.73	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	27.34	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	33.01	7.14
		For Work In Restricted Working Space, Add	*4.29*	
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	44.37	7.80
		For Work In Restricted Working Space, Add	*4.68*	
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	58.19	9.10
		For Work In Restricted Working Space, Add	*5.46*	
22 13 16 00-0881		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings** *(22 13 16 00-0870)*		
		Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	15.86	5.52
		For Work In Restricted Working Space, Add	*3.32*	
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.15	5.85
		For Work In Restricted Working Space, Add	*3.51*	
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	20.78	6.17
		For Work In Restricted Working Space, Add	*3.71*	
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	18.81	6.17
		For Work In Restricted Working Space, Add	*3.71*	
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	25.28	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	24.28	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	22.41	6.50
		For Work In Restricted Working Space, Add	*3.90*	
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	31.74	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	28.88	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	38.91	7.14
		For Work In Restricted Working Space, Add	*4.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	34.63	7.14
		For Work In Restricted Working Space, Add	*4.29*	
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	35.83	7.14
		For Work In Restricted Working Space, Add	*4.29*	
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	70.02	12.99
		For Work In Restricted Working Space, Add	*7.80*	
22 13 16 00-0895	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	58.16	12.99
		For Work In Restricted Working Space, Add	*7.80*	
22 13 16 00-0896	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	73.04	14.62
		For Work In Restricted Working Space, Add	*8.77*	

22 13 16 00-0897 Elastomeric Flexible Expansion Joint Couplings (Fernco XJ) *(22 13 16)*

Note: Includes stainless steel clamps.

22 13 16 00-0898	EA	1-1/2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-150)	30.57	5.52
22 13 16 00-0899	EA	2" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-2)	33.90	5.85
22 13 16 00-0900	EA	3" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-3)	36.37	6.17
22 13 16 00-0901	EA	4" Elastomeric Flexible Expansion Joint Coupling (Fernco XJ-4)	43.21	6.50

22 13 16 00-0902 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0903	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101)	56.75	35.08
22 13 16 00-0904	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102)	60.82	37.30
22 13 16 00-0905	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103)	70.35	42.75
22 13 16 00-0906	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104)	92.85	56.52
22 13 16 00-0907	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105)	111.25	67.57
22 13 16 00-0908	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106)	128.44	77.97
22 13 16 00-0909	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108)	171.35	98.75
22 13 16 00-0910	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110)	208.97	110.45
22 13 16 00-0911	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112)	261.66	122.80

22 13 16 00-0912 Seamless Pipe Vent Flashing For Multiple Pipe *(22 13 16)*

Note: Elmdor/Stoneman #910.

22 13 16 00-0913	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 4 Lb.)	559.70	136.44
22 13 16 00-0914	EA	Multi Flash Assembly (Elmdor/Stoneman #910-6 STD - 6 Lb.)	583.89	136.44
22 13 16 00-0915	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 4 Lb.)	627.11	159.18
22 13 16 00-0916	EA	Multi Flash Assembly (Elmdor/Stoneman #910-8 SK - 6 Lb.)	661.06	159.18
22 13 16 00-0917	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 4 Lb.)	710.64	185.17
22 13 16 00-0918	EA	Multi Flash Assembly (Elmdor/Stoneman #910-10 SK - 6 Lb.)	756.89	185.17

22 13 16 00-0919 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*

22 13 16 00-0920	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	106.04	26.92
22 13 16 00-0921	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	112.02	29.92
22 13 16 00-0922	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	167.25	38.88
22 13 16 00-0923	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	196.00	44.86
22 13 16 00-0924	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	228.45	50.85
22 13 16 00-0925	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	382.09	56.83

22 13 16 00-0926 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*

22 13 16 00-0927	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	216.75	26.92
22 13 16 00-0928	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	222.73	29.92
22 13 16 00-0929	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	265.04	38.88
22 13 16 00-0930	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	331.30	44.86
22 13 16 00-0931	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	451.87	50.85
22 13 16 00-0932	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	463.84	56.83

22 13 16 00-0933 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0934	EA	1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	411.48	26.92
22 13 16 00-0935	EA	2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	417.46	29.92
22 13 16 00-0936	EA	3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	480.12	38.88
22 13 16 00-0937	EA	4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	540.52	44.86
22 13 16 00-0938	EA	5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	630.71	50.85
22 13 16 00-0939	EA	6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	689.25	56.83

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0001		Round Top Floor Drains *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	857.98	128.62
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	942.80	144.17
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	919.84	159.49
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	952.69	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	861.40	144.17
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	892.15	159.49
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	925.00	176.00
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,431.73	144.17
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,462.48	159.49
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,495.33	176.00
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,348.67	144.17
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,379.25	159.49
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,412.27	176.00
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3", Add	*57.50*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,481.43	144.05
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,512.15	159.49
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,545.17	176.00
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,334.16	144.05
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,364.88	159.49
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,397.90	176.00
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,220.64	144.05
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,251.36	159.49
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,284.38	176.00
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,019.07	144.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,050.13	159.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,082.81	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,102.13	144.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,133.19	159.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,165.87	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,467.58	144.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,498.64	159.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,531.32	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	958.16	144.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	989.22	159.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	1,021.90	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,063.37	144.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,094.43	159.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,127.11	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,359.61	144.05
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,390.67	159.61
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,423.35	176.00
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,528.03	159.61
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,560.71	176.00
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,430.59	159.61
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,463.27	176.00
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,322.62	159.61
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,355.30	176.00
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,489.73	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,520.79	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,553.47	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,918.87	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,949.93	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,982.61	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,018.54	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,049.60	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,082.28	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,790.97	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,822.03	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,854.71	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,401.14	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,432.20	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,464.88	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,766.59	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,797.65	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,830.33	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,866.26	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,897.32	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,930.00	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,494.73	144.05
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,525.79	159.61
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,558.47	176.00
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,406.27	128.62
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,437.13	144.05
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,467.85	159.49
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,500.87	176.00
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,060.06	144.05
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,090.78	159.49
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,123.80	176.00
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,952.09	144.05
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,982.81	159.49
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	2,015.83	176.00
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Primer Tap, Add	*15.10*	
22 13 19 13-0084		**Floor Drain With Sediment Bucket Bottom Outlet** *(22 13 19 13)*		
22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,989.80	128.62
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	3,020.77	144.05
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,051.49	159.49
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,084.51	176.00
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,118.57	192.99
		For Galvanized Cast Iron Parts, Add	*247.00*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,231.18	144.05
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,262.24	159.61
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,294.92	176.00
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,328.98	192.99
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,982.54	144.05
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,013.60	159.61
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,046.28	176.00
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,080.34	192.99
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,015.23	144.05
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,046.29	159.61
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,078.97	176.00
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,113.03	192.99
		For Galvanized Cast Iron Parts, Add	*273.75*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
22 13 19 13-0102		Other Drains *(22 13 19 13)*		
22 13 19 13-0103		Shower Drains *(22 13 19 13-0102)*		
22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	55.43	12.99
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	61.72	12.99
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe. Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	127.58	25.99
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	111.98	25.99
22 13 19 13-0108		Acid Resistant Floor Drains *(22 13 19 13-0102)*		
22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,417.23	128.62
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,448.20	144.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,478.92	159.49
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0112		Rotary And Lever Drains *(22 13 19 13-0102)*		
22 13 19 13-0113	EA	1-1/2" Drain, 3" Sink Opening Lever Drain	288.78	86.75
22 13 19 13-0114	EA	2" Drain, 3" Sink Opening Lever Drain	306.72	95.71
22 13 19 13-0115	EA	1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	288.78	86.75
22 13 19 13-0116	EA	2" Drain, 3-1/2" Sink Opening Lever Drain	306.72	95.71
22 13 19 13-0117	EA	1-1/2" Drain, 3" Sink Opening Twist Drain	288.78	86.75
22 13 19 13-0118	EA	2" Drain, 3" Sink Opening Twist Drain	306.72	95.71
22 13 19 13-0119	EA	1-1/2" Drain, 3-1/2" Sink Opening Twist Drain	288.78	86.75
22 13 19 13-0120	EA	2" Drain, 3-1/2" Sink Opening Twist Drain	306.72	95.71
22 13 19 13-0121	EA	1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100)	395.67	95.71
22 13 19 13-0122		Floor Receptor *(22 13 19 13)*		
22 13 19 13-0123		9" Diameter Round Shallow Receptor *(22 13 19 13-0122)* Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,739.11	144.17
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,770.31	159.72
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,802.65	176.00
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)*		
		Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,051.35	128.62
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,082.35	144.17
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,112.93	159.49
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,145.95	176.00
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	119.11	14.96
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	96.81	14.96
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	105.73	14.96
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	128.03	14.96
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	114.65	14.96
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	163.95	14.96
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	181.90	14.96
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	226.43	14.96
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,387.96	89.74
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,337.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,618.95	201.90
		For Flange And Clamp Device, Add	*394.77*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,415.35*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,297.53	224.33
		For Flange And Clamp Device, Add	*409.72*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,546.25*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,775.05	246.77
		For Flange And Clamp Device, Add	*424.68*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,671.73*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,106.96	269.21
		For Flange And Clamp Device, Add	*470.03*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,742.49*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,815.45	314.07
		For Flange And Clamp Device, Add	*511.14*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,919.83*	
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,976.95	358.94
		For Flange And Clamp Device, Add	*582.01*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,050.14*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,783.20	403.80
		For Flange And Clamp Device, Add	*813.20*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	11,075.53	506.35
		For Flange And Clamp Device, Add	*945.57*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,667.78	810.16
		For Flange And Clamp Device, Add	*1,308.11*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,611.05	1,012.70
		For Flange And Clamp Device, Add	*1,572.41*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,877.20	1,215.24
		For Flange And Clamp Device, Add	*2,020.40*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	29,723.38	1,417.78
		For Flange And Clamp Device, Add	*2,393.19*	
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	38,451.65	1,620.32
		For Flange And Clamp Device, Add	*2,801.49*	
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,995.36	246.77
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	5,139.77	314.07
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,477.64	358.94
22 13 19 26-0021		Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,511.18	89.74
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,337.87*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,128.91	201.90
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,415.35*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,411.51	224.33
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,546.25*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,383.62	246.77
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,671.73*	
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,489.78	269.21
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,742.49*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,710.62	314.07
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,919.83*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,660.25	358.94
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,050.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0030		Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*		
		Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor	9,015.65	314.07
		Note: Josam 60115A-SA.		
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor	7,683.12	246.77
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor	8,935.59	269.21
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).		
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,658.35	314.07
22 13 19 26-0036		Precast Concrete Grease Interceptor *(22 13 19 26)*		
		Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,389.81	456.64
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,156.94	456.64
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	6,988.54	522.04
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	7,973.93	737.25
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,002.02	991.92
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	13,475.07	1,305.03
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	17,368.41	2,140.06
22 13 19 26-0044		Coated Steel Manual Oil Interceptor *(22 13 19 26)*		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,474.48	341.74
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,385.63	406.07
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,942.08	499.63
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	9,711.35	541.21
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	11,669.78	590.58
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	15,409.13	649.71
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	25,932.51	747.79
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	28,332.39	920.07
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	34,812.11	997.25
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	48,759.66	1,196.45
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	56,266.96	1,286.19
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	70,909.22	1,533.86
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	85,739.52	1,256.88
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	101,566.65	1,495.57
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve	772.56	34.33
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve	785.72	43.19
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve	1,137.30	57.43
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve	3,122.44	78.97
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve	3,811.96	103.93
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve	11,181.04	128.22
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve	12,647.79	166.30
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,892.28	81.86
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,909.64	99.31
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,593.43	128.03
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,080.08	143.47
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,075.18	170.02
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*		
		Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,275.26	129.58
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,339.38	172.29
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,800.80	212.50
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,837.74	236.90
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	151.95	43.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0022	EA	4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	182.29	57.43
22 13 19 33-0023	EA	6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	528.40	78.97
22 13 19 33-0024		Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	357.50	86.38
22 13 19 33-0026	EA	4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	476.06	114.86
22 13 19 33-0027	EA	6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	818.46	157.93
22 13 19 36		**Air-Admittance Valves** *(22 13 19)*		
22 13 19 36-0001		Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*		
22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	176.63	16.75
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	209.66	16.75
22 13 23		**Sanitary Waste Interceptors** *(22 13)*		
22 13 23 00-0001		Sediment Bucket Solids Interceptors *(22 13 23)*		
22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,364.60	169.42
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,366.29	169.42
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,918.87	169.42
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,918.87	169.42
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	2,043.97	169.42
22 13 23 00-0007		Drum Trap, Solids Interceptors *(22 13 23)*		
22 13 23 00-0008		Extra Heavy-Duty Cast Iron Drum Trap *(22 13 23 00-0007)*		
22 13 23 00-0009	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Extra Heavy Cast Iron	1,627.49	167.50
		For Acid Coating Inside Or Outside, Add	*781.93*	
		For Acid Coating Inside And Outside, Add	*941.21*	
22 13 23 00-0010	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Extra Heavy Cast Iron	1,657.40	191.43
		For Acid Coating Inside Or Outside, Add	*781.93*	
		For Acid Coating Inside And Outside, Add	*941.21*	
22 13 23 00-0011		Aluminum, Solid Interceptor, Drum Trap *(22 13 23 00-0007)*		
22 13 23 00-0012	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 1-1/2" Inlet/Outlet, Aluminum	2,214.84	167.50
22 13 23 00-0013	EA	8-1/2" Diameter x 12-3/4" High Solids Interceptor, 2" Inlet/Outlet, Aluminum	2,244.75	191.43
22 13 23 00-0014		Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*		
22 13 23 00-0015	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	338.46	57.95
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0016	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	345.87	61.73
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0017		Sediment Strainers *(22 13 23)*		
22 13 23 00-0018	EA	2" Strainer, Pump Suction Side	206.37	79.02
22 13 29		**Sanitary Sewerage Pumps** *(22 13)* Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13		**Wet-Pit-Mounted, Vertical Sewerage Pumps** *(22 13 29)*		
22 13 29 13-0001		Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)* Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0002		**1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps** *(22 13 29 13-0001)*		
22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,107.11	1,435.27
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,428.98	1,435.27
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,750.84	1,435.27
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	9,057.85	1,435.27
22 13 29 13-0007		**2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps** *(22 13 29 13-0001)*		
22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,998.43	1,435.27
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,122.23	1,435.27
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,208.88	1,435.27
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,803.10	1,435.27
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,384.94	1,435.27
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	11,276.26	1,435.27
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	12,167.58	1,435.27
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	14,008.43	1,910.02
22 13 29 13-0016		**3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps** *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,618.72	1,435.27
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,618.72	1,435.27
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,833.20	1,435.27
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,497.40	1,435.27
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,789.33	1,435.27
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,111.12	1,910.02
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,853.89	1,910.02
22 13 29 13-0024		**Extra Column Assemblies Addition, 5' Or Less** *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		**Float Switches** *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		**Square Or Round Steel Sump Covers** *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	897.42	47.86
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	993.48	53.84
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,378.83	71.79
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	2,002.75	83.76
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,147.36	86.75
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,296.40	89.74
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,925.86	107.68
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,965.80	119.65
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	5,029.17	149.56
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,395.25	164.51
22 13 29 13-0045		**Sludge Pumps** *(22 13 29 13)*		
22 13 29 13-0046		**Vortex Type Sludge Pumps** *(22 13 29 13-0045)*		
		Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)	48,970.55	1,788.25
		For Explosion Proof Motor, Add	*375.00*	
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)	68,670.56	2,299.18
		For Explosion Proof Motor, Add	*750.00*	
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)	88,265.64	3,512.63
		For Explosion Proof Motor, Add	*1,125.00*	
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)	37,302.33	2,043.71
		For Explosion Proof Motor, Add	*500.00*	
22 13 29 13-0051	EA	50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)	59,518.78	2,810.10
		For Explosion Proof Motor, Add	*1,250.00*	
22 13 29 13-0052		**Polymer Feed Sludge Pumps** *(22 13 29 13-0045)*		
		Note: 230/460 volt		
22 13 29 13-0053	EA	115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA)	39,541.39	2,119.53
		Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*17,750.00*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0054	EA	22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)	29,053.60	717.28
		Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
		For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0055	EA	12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)	26,925.30	717.28
		Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.		
22 13 29 13-0056	EA	8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDAA)	17,382.58	717.28
		Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator.		
		For 7-1/2 HP Motor, Add	*2,676.00*	
22 13 29 13-0057		Centrifuge Pilot Pumps *(22 13 29 13-0045)*		
22 13 29 13-0058	EA	Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)	90,975.61	2,107.58
		Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*15,864.00*	
22 13 29 13-0059	EA	620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)	96,072.93	2,107.58
		Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator.		
		For 75 HP Motor, Add	*15,864.00*	
22 13 29 16		**Submersible Sewerage Pumps** *(22 13 29)*		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,601.56	87.06
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,707.37	87.06
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,674.81	87.06
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,830.82	87.06
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,830.82	87.06
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,936.49	108.82
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,074.86	108.82
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,092.50	108.82
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,631.40	87.06
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,783.34	87.06
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,711.44	87.06
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,857.95	87.06
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,989.54	87.06
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,852.38	108.82
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,009.75	108.82
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,008.39	108.82
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,300.99	175.42
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,433.93	175.42
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,456.99	175.42
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,462.13	214.41
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,614.07	214.41
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,618.14	214.41
22 13 29 16-0026		Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,935.28	87.06
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,193.04	87.06
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,141.34	108.82
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,297.35	108.82
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,611.65	175.42
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,767.66	175.42
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,774.15	214.41
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,930.15	214.41
22 13 29 16-0035		**Submersible Sewage Pumps With Semi-Open Impeller** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,731.15	108.82
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,082.92	178.84
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,493.72	218.58
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,769.90	264.94
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	7,589.11	311.31
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	8,471.87	357.67
22 13 29 16-0042		**Submersible Sewage Pumps, Explosion Proof** *(22 13 29 16)*		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,540.87	389.97
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,871.34	389.97
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,871.34	389.97
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,929.17	519.95
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,259.64	519.95
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,259.64	519.95
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,455.57	649.94
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,786.04	649.94
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,786.04	649.94
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,852.23	779.92
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,182.71	779.92
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,182.71	779.92
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,872.41	909.91
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,202.88	909.91
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,202.88	909.91
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	11,238.39	1,039.90
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	11,238.39	1,039.90
22 13 29 16-0060		**Submersible Sewage Pump Accessories** *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	756.35	84.60
		Note: Includes alarm horn, warning light and alarm float switch.		
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	782.27	84.60
		Note: Includes alarm horn, warning light, and alarm float switch.		
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump	1,563.21	112.80
		Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,226.84	112.80
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,344.23	112.80
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,594.38	112.80
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	8,964.29	141.00
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	7,541.26	141.00
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,727.20	141.00
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,908.65	141.00
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,829.59	141.00
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,993.12	141.00
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,453.79	141.00
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	632.56	56.40
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	113.43	28.20
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	140.54	28.20
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	148.27	28.20
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	159.62	28.20
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	464.97	28.20
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	543.05	28.20
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	518.91	28.20
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	620.68	28.20
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	242.69	28.20
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	62.37	14.10
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,306.94	84.60
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,056.77	112.80
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,688.95	141.00
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	3,047.48	84.60
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	4,325.80	84.60
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	363.61	56.40
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	652.06	70.50
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	647.90	84.60
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	179.11	28.20
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	365.20	28.20

22 13 29 19 Horizontal Sewerage Pumps *(22 13 29)*

22 13 29 19-0001 1-1/2" Solids 1,750 RPM Horizontal Sewage Pumps *(22 13 29 19)*

22 13 29 19-0002	EA	1 HP, Up To 100 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	6,276.43	1,435.27
22 13 29 19-0003	EA	1-1/2 HP, Up To 150 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	6,336.84	1,435.27
22 13 29 19-0004	EA	2 HP, Up To 150 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	6,398.74	1,435.27
22 13 29 19-0005	EA	3 HP, Up To 200 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	6,460.64	1,435.27
22 13 29 19-0006	EA	5 HP, Up To 250 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	6,909.93	1,435.27
22 13 29 19-0007	EA	7-1/2 HP, Up To 250 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	7,203.40	1,435.27
22 13 29 19-0008	EA	10 HP, Up To 250 GPM Sewage Pump, Horizontal, 2" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	7,451.00	1,435.27

22 13 29 19-0009 2" Solids 1,750 RPM Horizontal Sewage Pumps *(22 13 29 19)*

22 13 29 19-0010	EA	2 HP, Up To 150 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	6,909.93	1,435.27
22 13 29 19-0011	EA	3 HP, Up To 200 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	7,129.13	1,435.27
22 13 29 19-0012	EA	5 HP, Up To 400 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	7,327.20	1,435.27
22 13 29 19-0013	EA	7-1/2 HP, Up To 500 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	7,574.79	1,435.27
22 13 29 19-0014	EA	10 HP, Up To 600 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	8,812.74	1,435.27
22 13 29 19-0015	EA	15 HP, Up To 700 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	10,319.34	1,910.02
22 13 29 19-0016	EA	20 HP, Up To 600 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	10,752.62	1,910.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 19-0017	EA	25 HP, Up To 600 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	11,000.21	1,910.02
22 13 29 19-0018	EA	30 HP, Up To 600 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	11,247.80	1,910.02
22 13 29 19-0019		2-1/2" Solids 1,750 RPM Horizontal Sewage Pumps *(22 13 29 19)*		
22 13 29 19-0020	EA	2 HP, Up To 150 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	8,105.46	1,435.27
22 13 29 19-0021	EA	3 HP, Up To 200 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	8,369.55	1,435.27
22 13 29 19-0022	EA	5 HP, Up To 400 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	8,565.15	1,435.27
22 13 29 19-0023	EA	7-1/2 HP, Up To 400 GPM Sewage Pump, Horizontal, 3" Discharge 15" x 48" Base Plate, 1,750 RPM	8,812.74	1,435.27
22 13 29 19-0024	EA	10 HP, Up To 500 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	9,171.89	1,435.27
22 13 29 19-0025	EA	15 HP, Up To 500 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	10,554.55	1,910.02
22 13 29 19-0026	EA	20 HP, Up To 700 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	11,928.67	1,910.02
22 13 29 19-0027	EA	25 HP, Up To 700 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	11,990.57	1,910.02
22 13 29 19-0028	EA	30 HP, Up To 800 GPM Sewage Pump, Horizontal, 3" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	12,361.96	1,910.02
22 13 29 19-0029		3" Solids 1,750 RPM Horizontal Sewage Pumps *(22 13 29 19)*		
22 13 29 19-0030	EA	2 HP, Up To 100 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	8,490.87	1,435.27
22 13 29 19-0031	EA	3 HP, Up To 250 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	8,891.97	1,435.27
22 13 29 19-0032	EA	5 HP, Up To 400 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	9,293.06	1,435.27
22 13 29 19-0033	EA	7-1/2 HP, Up To 600 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 15" x 48" Base Plate, 1,750 RPM	10,643.68	1,910.02
22 13 29 19-0034	EA	10 HP, Up To 600 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	10,095.26	1,435.27
22 13 29 19-0035	EA	15 HP, Up To 800 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	11,445.87	1,910.02
22 13 29 19-0036	EA	20 HP, Up To 800 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	12,151.50	1,910.02
22 13 29 19-0037	EA	25 HP, Up To 1,000 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 20" x 54" Base Plate, 1,750 RPM	12,857.14	1,910.02
22 13 29 19-0038	EA	30 HP, Up To 1,400 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 22" x 60" Base Plate, 1,750 RPM	13,562.77	1,910.02
22 13 29 19-0039	EA	40 HP, Up To 1,400 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 22" x 60" Base Plate, 1,750 RPM	14,268.40	1,910.02
22 13 29 19-0040	EA	50 HP, Up To 1,400 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 22" x 60" Base Plate, 1,750 RPM	14,466.47	1,910.02
22 13 29 19-0041	EA	60 HP, Up To 1,600 GPM Sewage Pump, Horizontal, 4" Discharge Pipe, 22" x 60" Base Plate, 1,750 RPM	17,042.29	2,876.04
22 13 29 19-0042		>3" Solids Horizontal Sewage Pumps *(22 13 29 19)*		
22 13 29 19-0043	EA	5 HP Centrifuge Sewage Pump, IDP Washington #3FNC10 Note: 1200 RPM motor, 230/460 volt, 3" flange suction and 10" flange discharge connections, closed coupled, single stage, bronze impeller, and cast iron casing.	28,082.14	1,075.13
22 13 29 19-0044	EA	10 HP Centrifuge Sewage Pump, IDP Washington #3RL9 Note: 1800 RPM motor, 230/460 volt, 3" flange suction and 13" flange discharge connections, horizontal split case, single stage, bronze impeller, and cast iron casing.	11,802.89	1,313.11
22 13 29 19-0045	EA	15 HP Centrifuge Sewage Pump, IDP Washington #4FN V10 Note: 1800 RPM motor, 230/460 volt, 4" flange suction and 10" flange discharge connections, vertical shafting, single stage, bronze impeller, and cast iron casing.	30,461.69	1,672.88
22 13 29 19-0046	EA	30 HP Centrifuge Sewage Pump, IDP Washington #3RL12 Note: 1800 RPM motor, 230/460 volt, 4" flange suction and 12" flange discharge connections, horizontal split case, single stage, bronze impeller, and cast iron casing.	18,566.01	2,148.84
22 13 29 19-0047	EA	40 HP Centrifuge Sewage Pump, IDP Washington #4RL12 Note: 1800 RPM motor, 230/460 volt, 4" flange suction and 12" flange discharge connections, horizontal split case, single stage, bronze impeller, and cast iron casing.	19,165.00	2,389.08
22 13 29 19-0048	EA	50 HP Centrifuge Sewage Pump, IDP Washington #5FN V16 Note: 1800 RPM motor, 230/460 volt, 5" flange suction and 16" flange discharge connections, vertical shafting, single stage, bronze impeller, and cast iron casing.	51,910.37	2,628.38
22 13 29 19-0049	EA	75 HP Centrifuge Sewage Pump, IDP Washington #8FNC16 Note: 1200 RPM motor, 230/460 volt, 8" flange suction and 16" flange discharge connections, closed coupled, single stage, bronze impeller, and cast iron casing.	56,424.54	3,287.02

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	167.08	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	216.84	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	498.56	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	701.50	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	904.45	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,052.68	

22 13 29 33-0009 Fiberglass Basin *(22 13 29 33-0001)*

22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	352.01	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	706.36	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,261.65	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,694.80	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,951.70	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,061.37	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,419.87	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,809.26	

22 13 29 36 Explosion Proof Submersible Sewerage Pumps *(22 13 29)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0001		Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0002		Ebara 3" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*		
22 13 29 36-0003	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU61.5	4,036.42	239.29
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0004	EA	2 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU61.5	4,036.42	239.29
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0005	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU62.2	5,289.51	287.15
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0006	EA	3 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU62.2	5,138.20	287.15
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0007	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU63.7	5,923.90	382.87
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0008	EA	5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU63.7	6,078.02	382.87
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0009	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU65.5	8,200.32	478.58
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0010	EA	7.5 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLMFU65.5	8,270.38	478.58
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0011	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU67.5	9,564.67	574.30
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0012	EA	10 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU67.5	9,522.64	574.30
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0013	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU611	11,022.88	670.01
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0014	EA	15 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLCMFU611	10,979.45	670.01
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*589.90*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0015	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU615	12,601.58	765.74
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0016	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU618	15,539.30	861.45
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0017	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 80DLFU622	17,300.14	957.16
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0018		Ebara 4" Model DLFU Wet Pit Submersible Sewage Pump, 2HP - 30HP *(22 13 29 36-0001)*		
22 13 29 36-0019	EA	2 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU61.5	4,893.86	239.29
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0020	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU62.2	5,513.68	287.15
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0021	EA	3 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU62.2	5,289.51	287.15
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0022	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU63.7	6,223.73	382.87
		For 3" x 3" Discharge Elbow, Add	*152.15*	
		For 3" x 4" Discharge Elbow, Add	*184.45*	
		For Guide Rail System, Add	*381.65*	
		For 20' Stainless Steel Chain, Add	*284.75*	
22 13 29 36-0023	EA	5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFMU63.7	5,923.90	382.87
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0024	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU65.5	9,322.57	478.58
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0025	EA	7.5 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU65.5	8,200.32	478.58
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0026	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU67.5	10,209.16	574.30
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0027	EA	10 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU67.5	9,564.67	574.30
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0028	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU611	11,609.92	670.01
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0029	EA	15 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU611	11,022.88	670.01
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0030	EA	20 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU615	13,230.65	765.74
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0031	EA	20 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU615	12,601.58	765.74
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0032	EA	25 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU618	15,958.21	861.45
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0033	EA	25 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU618	15,539.30	861.45
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0034	EA	30 HP Wet Pit Submersible Sump Pump, 4" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU622	17,705.04	957.16
		For 5" x 4" Discharge Elbow, Add	*285.60*	
		For 5" x 6" Discharge Elbow, Add	*277.95*	
		For Guide Rail System, Add	*1,064.20*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0035	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLMFU622	17,300.14	957.16
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0036	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU630	26,643.77	957.16
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0037	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU637	33,140.46	957.16
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0038	EA	30 HP Wet Pit Submersible Sump Pump, 3" Discharge, 3 Phase, 40 Ft Cable, Ebara 100DLFU645	35,062.71	957.16
		For 4" x 3" Discharge Elbow, Add	*184.45*	
		For 4" x 4" Discharge Elbow, Add	*170.00*	
		For 4" x 6" Discharge Elbow, Add	*214.20*	
		For Guide Rail System, Add	*754.80*	
		For 20' Stainless Steel Chain, Add	*423.30*	

22 13 29 36-0039 Ebara 6" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP

(22 13 29 36-0001)

22 13 29 36-0040	EA	10 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU67.5	10,628.07	574.30
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0041	EA	15 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU611	12,034.44	670.01
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0042	EA	20 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU615	13,614.54	765.74
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0043	EA	25 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU618	15,764.87	861.45
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0044	EA	30 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU622	18,485.43	957.16
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0045	EA	40 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU630	27,485.51	1,052.88
		For Guide Rail System, Add	*2,537.25*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0046	EA	50 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU637	33,777.36	1,148.59
		For Guide Rail System, Add	*2,537.25*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0047	EA	60 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, 40 Ft Cable, Ebara 150DLFU645	35,941.70	1,244.32
		For Guide Rail System, Add	*2,537.25*	
		For 20' Stainless Steel Chain, Add	*423.30*	

22 13 29 36-0048 Ebara 8" Model DLFU Wet Pit Submersible Sewage Pump, 10 HP - 60 HP

(22 13 29 36-0001)

22 13 29 36-0049	EA	10 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU675	11,265.55	574.30
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0050	EA	15 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU611	12,139.52	670.01
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0051	EA	20 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU61	13,627.15	765.74
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0052	EA	25 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU618	15,764.87	861.45
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0053	EA	30 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU622	18,485.43	957.16
		For 6" x 6" Discharge Elbow, Add	*323.85*	
		For 6" x 8" Discharge Elbow, Add	*471.75*	
		For Guide Rail System, Add	*1,206.15*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0054	EA	40 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU630	27,042.78	1,052.88
		For Guide Rail System, Add	*4,195.60*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0055	EA	50 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU637	33,987.52	1,148.59
		For Guide Rail System, Add	*4,195.60*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0056	EA	60 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, 40 Ft Cable, Ebara 200DLFU645	36,161.67	1,244.32
		For Guide Rail System, Add	*4,195.60*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0057		Ebara 10" Model DLFU Wet Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0001)*		
22 13 29 36-0058	EA	15 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU611	13,973.50	670.01
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0059	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLBFU615	15,278.99	765.74
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0060	EA	20 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLCFU615	16,259.73	765.74
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0061	EA	25 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU618	18,537.56	861.45
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0062	EA	30 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU622	20,138.67	957.16
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0063	EA	40 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU630	28,935.61	1,052.88
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0064	EA	50 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU637	36,191.38	1,148.59
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0065	EA	60 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, 40 Ft Cable, Ebara 250DLFU645	38,366.93	1,244.32
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0066		Ebara 12" Model DLFU Wet Pit Submersible Sewage Pump, 25HP - 60HP *(22 13 29 36-0001)*		
22 13 29 36-0067	EA	25 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU618	19,400.61	861.45
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0068	EA	30 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU622	20,969.50	957.16
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0069	EA	40 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU630	29,816.87	1,052.88
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0070	EA	50 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU637	37,002.59	1,148.59
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0071	EA	60 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, 40 Ft Cable, Ebara 300DLFU645	39,166.93	1,244.32
		For Guide Rail System, Add	*3,562.35*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0072		Wet Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*		
22 13 29 36-0073		Ebara 6", 8", 10", 12" Model DSC Submersible Sewage Pumps, 75 HP - 245 HP *(22 13 29 36-0072)*		
22 13 29 36-0074	EA	75 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0852	114,174.92	1,340.03
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0075	EA	75 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	124,891.59	1,340.03
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*423.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0076	EA	100 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G0932	128,684.52	1,483.61
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*423.30*	
22 13 29 36-0077	EA	100 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1052	131,695.38	1,483.61
		For Guide Rail System, Add	*4,420.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0078	EA	100 HP Wet Pit Submersible Sump Pump, 12" Discharge, 3 Phase, Ebara DSC C1203	115,950.33	1,483.61
		For Guide Rail System, Add	*5,695.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0079	EA	120 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	150,085.90	1,627.18
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0080	EA	120 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC E1152	134,078.85	1,627.18
		For Guide Rail System, Add	*5,270.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0081	EA	145 HP Wet Pit Submersible Sump Pump, 6" Discharge, 3 Phase, Ebara DSC G1012	134,138.51	1,818.61
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0082	EA	145 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	159,356.10	1,818.61
		For Guide Rail System, Add	*6,375.00*	
		For 20' Stainless Steel Chain, Add	*590.75*	
22 13 29 36-0083	EA	200 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC F1102	181,417.93	2,010.04
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0084	EA	200 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC G1102	181,417.93	2,010.04
		For Guide Rail System, Add	*6,970.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0085	EA	245 HP Wet Pit Submersible Sump Pump, 8" Discharge, 3 Phase, Ebara DSC G1102	187,991.10	2,201.48
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	
22 13 29 36-0086	EA	245 HP Wet Pit Submersible Sump Pump, 10" Discharge, 3 Phase, Ebara DSC E1262	190,653.11	2,201.48
		For Guide Rail System, Add	*9,180.00*	
		For 20' Stainless Steel Chain, Add	*845.75*	

22 13 29 36-0087 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 Pole, 1,750 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0088 Ebara Model DLFU Dry Pit Submersible Sewage Pump, 15 HP - 60 HP *(22 13 29 36-0087)*

22 13 29 36-0089	EA	3" x 4" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU611	17,626.05	670.01
22 13 29 36-0090	EA	3" x 4" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU615	19,798.80	765.74
22 13 29 36-0091	EA	3" x 4" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU618	21,654.90	861.45
22 13 29 36-0092	EA	3" x 4" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 100x80DDLFU622	23,010.84	957.16
22 13 29 36-0093	EA	4" x 6" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU611	18,224.30	670.01
22 13 29 36-0094	EA	4" x 6" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU615	19,884.26	765.74
22 13 29 36-0095	EA	4" x 6" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU618	22,251.75	861.45
22 13 29 36-0096	EA	4" x 6" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU622	23,924.32	957.16
22 13 29 36-0097	EA	4" x 6" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU61130	33,788.86	1,052.88
22 13 29 36-0098	EA	4" x 6" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU637	39,661.79	1,148.59
22 13 29 36-0099	EA	4" x 6" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 150x100DDLFU645	41,213.87	1,244.32
22 13 29 36-0100	EA	8" x 10" 15 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU611	18,825.35	670.01
22 13 29 36-0101	EA	8" x 10" 20 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU615	20,247.13	765.74
22 13 29 36-0102	EA	8" x 10" 25 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU618	22,408.67	861.45
22 13 29 36-0103	EA	8" x 10" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU622	24,484.75	957.16
22 13 29 36-0104	EA	8" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU630	34,806.03	1,052.88
22 13 29 36-0105	EA	8" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU637	43,042.54	1,148.59
22 13 29 36-0106	EA	8" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x150DDLFU645	43,496.19	1,244.32
22 13 29 36-0107	EA	8" X 8" 30 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU630	36,078.48	957.16
22 13 29 36-0108	EA	8" X 8" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU637	43,172.84	1,148.59
22 13 29 36-0109	EA	8" X 8" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 200x200DDLFU645	43,831.04	1,244.32
22 13 29 36-0110	EA	10" x 10" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU630	42,933.55	1,052.88
22 13 29 36-0111	EA	10" x 10" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU637	43,172.84	1,148.59
22 13 29 36-0112	EA	10" x 10" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 250x250DDLFU645	43,859.06	1,244.32
22 13 29 36-0113	EA	12" X 12" 40 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU630	36,872.58	1,052.88
22 13 29 36-0114	EA	12" X 12" 50 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU637	43,385.80	1,148.59
22 13 29 36-0115	EA	12" X 12" 60 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara 300x300DDLFU645	43,941.73	1,244.32

22 13 29 36-0116 Dry Pit Submersible Sewer Pump, Explosion Proof Class 1, Div 1 And 2, 4 And 6 Pole, 1,750 And 1,180 RPM (Ebara) *(22 13 29 36)*

22 13 29 36-0117 Ebara Model DSC Dry Pit Submersible Sewage Pump, 75 HP - 245 HP *(22 13 29 36-0116)*

22 13 29 36-0118	EA	10" x 6" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0852	116,864.86	1,340.03
22 13 29 36-0119	EA	10" x 8" 75 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	127,601.66	1,340.03
22 13 29 36-0120	EA	10" x 6" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G0932	132,037.75	1,483.61
22 13 29 36-0121	EA	10" x 8" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1052	134,702.41	1,483.61
22 13 29 36-0122	EA	16" x 12" 100 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC C1203	117,474.25	1,483.61
22 13 29 36-0123	EA	10" x 6" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	153,786.14	1,627.18
22 13 29 36-0124	EA	10" x 8" 120 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1152	135,061.35	1,627.18
22 13 29 36-0125	EA	10" x 6" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1012	135,539.93	1,818.61
22 13 29 36-0126	EA	10" x 8" 145 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	160,505.66	1,818.61
22 13 29 36-0127	EA	12" x 8" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC F1102	191,361.44	2,010.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 36-0128	EA	14" x 10" 200 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	186,949.71	1,938.25
22 13 29 36-0129	EA	12" x 8" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC G1102	191,090.70	2,201.48
22 13 29 36-0130	EA	14" x 10" 245 HP Dry Pit Submersible Sewer Pump, 3 Phase, Ebara DSC E1262	191,090.70	2,201.48

22 13 33 Packaged, Submersible Sewerage Pump Units *(22 13)*

22 13 33 00-0001 Submersible Pumps (Flygt) *(22 13 33)*

22 13 33 00-0002 Wet Pit Submersible Pumps (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0003 Wet Pit Submersible Explosion Proof Pumps (Flygt) *(22 13 33 00-0002)*

22 13 33 00-0004	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085) Note: FLS and 50' electrical cable	15,663.90	287.15
22 13 33 00-0005	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3085) Note: FLS and 50' electrical cable	16,360.37	335.01
22 13 33 00-0006	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102) Note: FLS and 50' electrical cable	19,570.16	382.87
22 13 33 00-0007	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3102) Note: FLS and 50' electrical cable	18,490.99	478.58
22 13 33 00-0008	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127) Note: FLS and 50' electrical cable	26,008.47	526.44
22 13 33 00-0009	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3127) Note: FLS and 50' electrical cable	30,318.35	574.30
22 13 33 00-0010	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	45,703.34	622.16
22 13 33 00-0011	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	48,016.99	670.01
22 13 33 00-0012	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3153) Note: FLS and 50' electrical cable	52,234.33	765.74
22 13 33 00-0013	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	65,901.35	861.45
22 13 33 00-0014	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	72,446.61	957.16
22 13 33 00-0015	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3171) Note: FLS and 50' electrical cable	87,034.34	1,005.03
22 13 33 00-0016	EA	34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	120,354.55	1,052.88
22 13 33 00-0017	EA	50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	135,086.97	1,244.32
22 13 33 00-0018	EA	67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3202) Note: FLS and 50' electrical cable	130,517.83	1,292.17
22 13 33 00-0019	EA	60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	166,672.74	1,340.03
22 13 33 00-0020	EA	85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	184,253.95	1,435.75
22 13 33 00-0021	EA	105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3301) Note: FLS and 50' electrical cable	187,560.74	1,531.46
22 13 33 00-0022	EA	70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	164,878.39	1,340.03
22 13 33 00-0023	EA	110 To 140 HP, 10" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	193,506.51	1,627.18
22 13 33 00-0024	EA	130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump (Flygt NP3315) Note: FLS and 50' electrical cable	189,450.81	1,818.61
22 13 33 00-0025	EA	3 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) Note: FLS and 50' electrical cable	16,642.44	287.15
22 13 33 00-0026	EA	4 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3085) Note: FLS and 50' electrical cable	17,338.92	335.01
22 13 33 00-0027	EA	5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) Note: FLS and 50' electrical cable	21,218.24	382.87
22 13 33 00-0028	EA	7 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3102) Note: FLS and 50' electrical cable	20,139.07	478.58
22 13 33 00-0029	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	27,666.85	526.44
22 13 33 00-0030	EA	10 To 12 HP, 3" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3127) Note: FLS and 50' electrical cable	31,976.73	574.30
22 13 33 00-0031	EA	12 To 14 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	47,433.83	622.16
22 13 33 00-0032	EA	15 To 17 HP, 3" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	49,747.47	670.01
22 13 33 00-0033	EA	20 To 23 HP, 3" To 4" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3153) Note: FLS and 50' electrical cable	53,964.82	765.74
22 13 33 00-0034	EA	18 To 25 HP, 4" To 10" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	68,826.70	861.45
22 13 33 00-0035	EA	30 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	75,371.95	957.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0036	EA	34 To 35 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3171) Note: FLS and 50' electrical cable	89,959.68	1,005.03
22 13 33 00-0037	EA	34 To 45 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	123,279.90	1,052.88
22 13 33 00-0038	EA	50 To 60 HP, 4" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	138,012.31	1,244.32
22 13 33 00-0039	EA	67 To 72 HP, 4" To 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3202) Note: FLS and 50' electrical cable	134,844.04	1,292.17
22 13 33 00-0040	EA	60 To 70 HP, 10" To 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	170,998.95	1,340.03
22 13 33 00-0041	EA	85 HP, 6" To 12" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	188,580.16	1,435.75
22 13 33 00-0042	EA	105 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3301) Note: FLS and 50' electrical cable	191,886.95	1,531.46
22 13 33 00-0043	EA	70 To 90 HP, 14" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	169,204.60	1,340.03
22 13 33 00-0044	EA	130 To 160 HP, 6" Discharge, Wet Pit Submersible Explosion Proof Pump With Shielded Power Cable (Flygt NP3315) Note: FLS and 50' electrical cable	193,983.03	1,818.61

22 13 33 00-0045 Dry Pit Submersible Vertical Pumps (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0046 Dry Pit Submersible Vertical Non-Explosion Proof Pumps (Flygt) *(22 13 33 00-0045)*

22 13 33 00-0047	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	15,237.45	287.15
22 13 33 00-0048	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	15,944.23	335.01
22 13 33 00-0049	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	18,154.87	382.87
22 13 33 00-0050	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	18,280.86	478.58
22 13 33 00-0051	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	27,211.57	526.44
22 13 33 00-0052	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	30,194.75	574.30
22 13 33 00-0053	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	45,293.54	670.01
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,055.98*	
22 13 33 00-0054	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	49,259.55	765.74
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0055	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	61,941.84	861.45
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*3,374.44*	
22 13 33 00-0056	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	66,696.87	957.16
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0057	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	82,971.83	1,005.03
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0058	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	111,483.76	1,052.88
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0059	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	137,769.22	1,244.32
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0060	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	131,832.17	1,292.17
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,173.41*	
22 13 33 00-0061	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	146,644.76	1,435.75
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0062	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	151,473.97	1,531.46
		For Inlet Elbow, Add	*4,594.02*	
		For Stand, Add	*4,528.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0063	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	149,510.04	1,340.03
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0064	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	190,214.47	1,627.18
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0065	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) Note: FLS and 50' electrical cable	16,216.00	287.15
22 13 33 00-0066	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) Note: FLS and 50' electrical cable	16,922.78	335.01
22 13 33 00-0067	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) Note: FLS and 50' electrical cable	19,813.26	382.87
22 13 33 00-0068	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3102) Note: FLS and 50' electrical cable	19,939.24	478.58
22 13 33 00-0069	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) Note: FLS and 50' electrical cable	28,869.95	526.44
22 13 33 00-0070	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3127) Note: FLS and 50' electrical cable	31,853.13	574.30
22 13 33 00-0071	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	42,555.51	622.16
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0072	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	47,044.62	670.01
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,055.98*	
22 13 33 00-0073	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3153) Note: FLS and 50' electrical cable	51,010.63	765.74
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0074	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable	64,856.88	861.45
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*3,374.44*	
22 13 33 00-0075	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable	69,611.91	957.16
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0076	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3171) Note: FLS and 50' electrical cable	85,886.87	1,005.03
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0077	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable	114,398.81	1,052.88
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0078	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable	140,684.26	1,244.32
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0079	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3202) Note: FLS and 50' electrical cable	136,158.38	1,292.17
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,173.41*	
22 13 33 00-0080	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable	136,422.23	1,340.03
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0081	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable	150,970.97	1,435.75
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0082	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3301) Note: FLS and 50' electrical cable	155,800.18	1,531.46
		For Inlet Elbow, Add	*4,594.02*	
		For Stand, Add	*4,528.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0083	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	153,836.25	1,340.03
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0084	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	194,540.68	1,627.18
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0085	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Non-Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	177,491.93	1,818.61
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,528.10*	
22 13 33 00-0086		**Dry Pit Submersible Vertical Explosion Proof Pumps (Flygt)** *(22 13 33 00-0045)*		
22 13 33 00-0087	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,085.36	287.15
22 13 33 00-0088	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3085) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	17,792.14	335.01
22 13 33 00-0089	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3102) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	20,128.77	478.58
22 13 33 00-0090	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3127) Note: FLS and 50' electrical cable. Includes stand and inlet elbow.	29,487.98	526.44
22 13 33 00-0091	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	43,307.45	622.16
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0092	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	47,796.56	670.01
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,055.98*	
22 13 33 00-0093	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3153) Note: FLS and 50' electrical cable	51,762.57	765.74
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0094	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	65,295.68	861.45
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*3,374.44*	
22 13 33 00-0095	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3171) Note: FLS and 50' electrical cable	86,325.67	1,005.03
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0096	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	114,837.61	1,052.88
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0097	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	141,123.06	1,244.32
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0098	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3202) Note: FLS and 50' electrical cable	135,186.02	1,292.17
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,173.41*	
22 13 33 00-0099	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	139,361.99	1,340.03
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0100	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	153,910.74	1,435.75
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0101	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3301) Note: FLS and 50' electrical cable	158,739.94	1,531.46
		For Inlet Elbow, Add	*4,594.02*	
		For Stand, Add	*4,528.10*	
22 13 33 00-0102	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	156,982.03	1,340.03
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0103	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	197,686.45	1,627.18
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0104	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump (Flygt NT3315) Note: FLS and 50' electrical cable	180,421.39	1,818.61
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,528.10*	
22 13 33 00-0105	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085) Note: FLS and 50' electrical cable	18,063.91	287.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0106	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3085)	18,770.69	335.01
		Note: FLS and 50' electrical cable		
22 13 33 00-0107	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	21,661.16	382.87
		Note: FLS and 50' electrical cable		
22 13 33 00-0108	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3102)	21,787.15	478.58
		Note: FLS and 50' electrical cable		
22 13 33 00-0109	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	31,146.36	526.44
		Note: FLS and 50' electrical cable		
22 13 33 00-0110	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3127)	34,129.54	574.30
		Note: FLS and 50' electrical cable		
22 13 33 00-0111	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	45,058.53	622.16
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0112	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	49,547.64	670.01
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,055.98*	
22 13 33 00-0113	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3153)	53,513.65	765.74
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*1,452.37*	
22 13 33 00-0114	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	68,210.73	861.45
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*3,374.44*	
22 13 33 00-0115	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	72,965.76	957.16
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*2,589.55*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0116	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3171)	89,240.71	1,005.03
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,101.30*	
22 13 33 00-0117	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	117,752.65	1,052.88
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0118	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	144,038.10	1,244.32
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,832.99*	
22 13 33 00-0119	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3202)	139,512.23	1,292.17
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*2,173.41*	
22 13 33 00-0120	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	143,688.20	1,340.03
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0121	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	158,236.95	1,435.75
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*3,498.05*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0122	EA	105 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3301)	163,066.15	1,531.46
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*4,594.02*	
		For Stand, Add	*4,528.10*	
22 13 33 00-0123	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	161,308.24	1,340.03
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	
22 13 33 00-0124	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315)	202,012.66	1,627.18
		Note: FLS and 50' electrical cable		
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,903.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0125	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Vertical Explosion Proof Pump With Shielded Power Cable (Flygt NT3315) Note: FLS and 50' electrical cable	184,963.91	1,818.61
		For Inlet Elbow, Add	*8,320.74*	
		For Stand, Add	*4,528.10*	
22 13 33 00-0126		Dry Pit Submersible Horizontal Pumps (Flygt) *(22 13 33 00-0001)*		
22 13 33 00-0127		Dry Pit Submersible Horizontal Non-Explosion Proof Pumps (Flygt) *(22 13 33 00-0126)*		
22 13 33 00-0128	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable	13,727.40	287.15
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0129	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3085) Note: FLS and 50' electrical cable	12,087.73	335.01
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0130	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable	16,243.10	382.87
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0131	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3102) Note: FLS and 50' electrical cable	15,804.62	478.58
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0132	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable	24,220.30	526.44
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0133	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3127) Note: FLS and 50' electrical cable	27,022.19	574.30
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0134	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153) Note: FLS and 50' electrical cable	45,291.48	670.01
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0135	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3153) Note: FLS and 50' electrical cable	49,259.55	765.74
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0136	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) Note: FLS and 50' electrical cable	61,941.84	861.45
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0137	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) Note: FLS and 50' electrical cable	66,696.87	957.16
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0138	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3171) Note: FLS and 50' electrical cable	82,975.95	1,005.03
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0139	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) Note: FLS and 50' electrical cable	111,481.70	1,052.88
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0140	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) Note: FLS and 50' electrical cable	137,769.22	1,244.32
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0141	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3202) Note: FLS and 50' electrical cable	131,832.17	1,292.17
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0142	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) Note: FLS and 50' electrical cable	132,096.02	1,340.03
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0143	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) Note: FLS and 50' electrical cable	140,462.40	1,435.75
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0144	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3301) Note: FLS and 50' electrical cable	149,413.87	1,531.46
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0145	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) Note: FLS and 50' electrical cable	149,510.04	1,340.03
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0146	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) Note: FLS and 50' electrical cable	190,214.47	1,627.18
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0147	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump (Flygt NZ3315) Note: FLS and 50' electrical cable	172,949.40	1,818.61
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0148	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	14,705.95	287.15
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0149	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	13,066.27	335.01
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0150	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	17,901.48	382.87
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0151	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	17,463.00	478.58
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0152	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	25,878.68	526.44
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0153	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	28,680.57	574.30
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0154	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	42,555.51	622.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0155	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	47,042.56	670.01
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0156	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	51,010.63	765.74
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0157	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	64,856.88	861.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0158	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	69,611.91	957.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0159	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	85,890.99	1,005.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0160	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	114,396.75	1,052.88
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0161	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	140,684.26	1,244.32
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0162	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	136,158.38	1,292.17
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0163	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	136,422.23	1,340.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0164	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	144,788.61	1,435.75
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0165	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	153,740.08	1,531.46
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0166	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	153,836.25	1,340.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0167	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	194,540.68	1,627.18
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0168	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Non-Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	177,491.93	1,818.61
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	

22 13 33 00-0169 Dry Pit Submersible Horizontal Explosion Proof Pumps (Flygt) *(22 13 33 00-0126)*

22 13 33 00-0170	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085)	15,575.31	287.15
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0171	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3085)	13,935.64	335.01
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0172	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102)	18,091.01	382.87
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0173	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3102)	17,652.53	478.58
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0174	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127)	26,496.71	526.44
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0175	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3127)	29,298.60	574.30
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0176	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	43,307.45	622.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0177	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	47,794.50	670.01
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0178	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3153)	51,762.57	765.74
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0179	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	65,295.68	861.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0180	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	70,050.71	957.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0181	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3171)	86,329.79	1,005.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0182	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	114,835.55	1,052.88
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0183	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	141,123.06	1,244.32
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0184	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3202)	135,186.02	1,292.17
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0185	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	139,361.99	1,340.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0186	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	147,728.38	1,435.75
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0187	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3301)	156,679.84	1,531.46
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0188	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	156,982.03	1,340.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0189	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	197,686.45	1,627.18
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0190	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump (Flygt NZ3315)	180,421.39	1,818.61
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0191	EA	3 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	16,553.86	287.15
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0192	EA	4 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3085)	14,914.18	335.01
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,656.68*	
22 13 33 00-0193	EA	5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	19,749.39	382.87
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0194	EA	7 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3102)	19,310.91	478.58
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,533.07*	
22 13 33 00-0195	EA	7.5 To 8.5 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	28,155.09	526.44
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0196	EA	10 To 12 HP, 3" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3127)	30,956.98	574.30
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*3,914.19*	
22 13 33 00-0197	EA	12 To 14 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	45,058.53	622.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0198	EA	15 To 17 HP, 3" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	49,545.58	670.01
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0199	EA	20 To 23 HP, 3" To 4" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3153)	53,513.65	765.74
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*7,333.96*	
		For Horizontal Service Car, Add	*7,303.05*	
22 13 33 00-0200	EA	18 To 25 HP, 4" To 10" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	68,210.73	861.45
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0201	EA	30 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	72,965.76	957.16
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0202	EA	34 To 35 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3171)	89,244.83	1,005.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*6,036.09*	
		For Horizontal Service Car, Add	*9,738.09*	
22 13 33 00-0203	EA	34 To 45 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	117,750.59	1,052.88
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0204	EA	50 To 60 HP, 4" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	144,038.10	1,244.32
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0205	EA	67 To 72 HP, 4" To 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3202)	139,512.23	1,292.17
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*8,487.61*	
		For Horizontal Service Car, Add	*11,124.54*	
22 13 33 00-0206	EA	60 To 70 HP, 10" To 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	143,688.20	1,340.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0207	EA	85 HP, 6" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	152,054.59	1,435.75
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0208	EA	105 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3301)	161,006.05	1,531.46
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*11,474.76*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0209	EA	70 To 90 HP, 14" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	161,308.24	1,340.03
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0210	EA	110 To 140 HP, 10" To 12" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	202,012.66	1,627.18
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	
22 13 33 00-0211	EA	130 To 160 HP, 6" Discharge, Dry Pit Submersible Horizontal Explosion Proof Pump With Shielded Power Cable (Flygt NZ3315)	184,963.91	1,818.61
		Note: FLS and 50' electrical cable		
		For Steel Z Stand Kit, Add	*14,060.18*	
		For Horizontal Service Car, Add	*14,317.70*	

22 13 33 00-0212 Submersible Pump Add-On Accessories (Flygt) *(22 13 33 00-0001)*

22 13 33 00-0213	EA	3" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	4,326.21
22 13 33 00-0214	EA	4" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	4,738.23
22 13 33 00-0215	EA	6" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	5,150.25
22 13 33 00-0216	EA	8" Stainless Steel Discharge Connection Package for 2" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	6,489.32
22 13 33 00-0217	EA	6" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	12,978.63
22 13 33 00-0218	EA	8" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	12,978.63
22 13 33 00-0219	EA	10" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	14,317.70
22 13 33 00-0220	EA	12" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	18,643.90
22 13 33 00-0221	EA	14" Stainless Steel Discharge Connection Package for 3" Guide Rails Note: Includes cast iron discharge connection, stainless steel upper guide bar bracket, stainless steel safety hook, and stainless steel 20' lifting cable	21,631.05
22 13 33 00-0222	EA	Mini CAS Unit: Thermal and Seal Protection Relay Unit Price	1,060.95

22 13 33 00-0223 Submersible Pumps (Vaughan) *(22 13 33)*

22 13 33 00-0224 Electric Submersible Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0225	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	19,158.14	382.87
22 13 33 00-0226	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3F/3G)	21,597.62	478.58
22 13 33 00-0227	EA	5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	21,358.33	382.87
22 13 33 00-0228	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	23,550.60	478.58
22 13 33 00-0229	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	25,744.93	574.30
22 13 33 00-0230	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3L/3M)	28,305.95	670.01
22 13 33 00-0231	EA	7.5 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	24,772.23	478.58
22 13 33 00-0232	EA	10 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	26,845.02	574.30
22 13 33 00-0233	EA	15 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	29,282.44	670.01
22 13 33 00-0234	EA	20 HP, 1750 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3P)	30,743.37	765.74
22 13 33 00-0235	EA	15 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	30,015.84	670.01
22 13 33 00-0236	EA	20 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	31,476.77	765.74
22 13 33 00-0237	EA	25 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	35,869.22	861.45
22 13 33 00-0238	EA	30 HP, 3510 RPM, 230/460 Volt, 3" Electric Submersible Pump (Vaughan 3V/3W)	37,818.39	957.16
22 13 33 00-0239	EA	5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	30,152.90	382.87
22 13 33 00-0240	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	25,633.04	382.87
22 13 33 00-0241	EA	5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	23,006.41	382.87
22 13 33 00-0242	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	32,223.62	478.58
22 13 33 00-0243	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	27,703.76	478.58
22 13 33 00-0244	EA	7.5 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	25,260.48	478.58
22 13 33 00-0245	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	29,409.85	574.30
22 13 33 00-0246	EA	10 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	27,333.27	574.30
22 13 33 00-0247	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	29,770.68	670.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0248	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	31,355.22	765.74
22 13 33 00-0249	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4K/4L)	35,135.82	861.45
22 13 33 00-0250	EA	5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	27,588.07	382.87
22 13 33 00-0251	EA	7.5 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	34,178.65	478.58
22 13 33 00-0252	EA	7.5 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	29,658.79	478.58
22 13 33 00-0253	EA	10 HP, 870 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	35,029.80	574.30
22 13 33 00-0254	EA	10 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	31,364.88	574.30
22 13 33 00-0255	EA	15 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	35,512.18	670.01
22 13 33 00-0256	EA	15 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	31,725.72	670.01
22 13 33 00-0257	EA	20 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	37,339.81	765.74
22 13 33 00-0258	EA	20 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	32,698.40	765.74
22 13 33 00-0259	EA	25 HP, 1170 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	41,489.17	861.45
22 13 33 00-0260	EA	25 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	36,602.61	861.45
22 13 33 00-0261	EA	30 HP, 1750 RPM, 230/460 Volt, 4" Electric Submersible Pump (Vaughan 4S/4T)	40,995.06	957.16
22 13 33 00-0262	EA	5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	38,704.37	382.87
22 13 33 00-0263	EA	7.5 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	41,263.33	478.58
22 13 33 00-0264	EA	7.5 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	36,743.48	478.58
22 13 33 00-0265	EA	10 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	41,992.94	574.30
22 13 33 00-0266	EA	10 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	38,328.02	574.30
22 13 33 00-0267	EA	15 HP, 870 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	50,414.95	670.01
22 13 33 00-0268	EA	15 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	42,475.32	670.01
22 13 33 00-0269	EA	20 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	44,181.40	765.74
22 13 33 00-0270	EA	25 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	48,328.70	861.45
22 13 33 00-0271	EA	25 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	43,442.14	861.45
22 13 33 00-0272	EA	30 HP, 1170 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	50,523.03	957.16
22 13 33 00-0273	EA	30 HP, 1750 RPM, 230/460 Volt, 6" Electric Submersible Pump (Vaughan 6U/6W/6X)	47,834.60	957.16
22 13 33 00-0274	EA	10 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	45,167.55	574.30
22 13 33 00-0275	EA	15 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	53,591.62	670.01
22 13 33 00-0276	EA	15 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	45,530.45	670.01
22 13 33 00-0277	EA	20 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	63,237.33	765.74
22 13 33 00-0278	EA	20 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	47,356.02	765.74
22 13 33 00-0279	EA	25 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	63,964.86	861.45
22 13 33 00-0280	EA	25 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	51,505.38	861.45
22 13 33 00-0281	EA	30 HP, 870 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	67,135.67	957.16
22 13 33 00-0282	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8N)	53,576.09	957.16
22 13 33 00-0283	EA	30 HP, 1170 RPM, 230/460 Volt, 8" Electric Submersible Pump (Vaughan 8P)	53,576.09	957.16
22 13 33 00-0284	EA	25 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	73,249.73	861.45
22 13 33 00-0285	EA	30 HP, 870 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	76,420.54	957.16
22 13 33 00-0286	EA	30 HP, 1170 RPM, 230/460 Volt, 10" Electric Submersible Pump (Vaughan 10R)	63,227.66	957.16

22 13 33 00-0287 Horizontal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0288	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3F6/HE3G6)	19,642.59	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0289	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3L6/HE3M6)	20,619.07	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0290	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3P6)	21,107.32	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0291	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE3V6/HE3W6)	21,107.32	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0292	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4K6/HE4L6)	21,836.92	717.87
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0293	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE4S6/HE4T6)	22,813.41	717.87
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0294	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6U8)	25,127.38	897.34
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0295	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan HE6W8/6X)	25,127.38	897.34
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0296	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3F6/HE3G6)	20,130.83	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0297	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3L6/HE3M6)	21,107.32	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0298	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3P6)	21,597.62	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0299	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE3V6/HE3W6)	21,597.62	598.23
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0300	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4K6/HE4L6)	22,325.16	717.87
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0301	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE4S6/HE4T6)	23,301.65	717.87
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0302	EA	3" - 6", Ductile Iron And Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan HE6U8)	25,615.63	897.34
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
		For Base, Deduct	*-1,133.04*	
22 13 33 00-0303	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3F6/STHE3G6)	27,827.36	598.23
22 13 33 00-0304	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3L6/STHE3M6)	29,049.00	598.23
22 13 33 00-0305	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3P6)	30,270.64	598.23
22 13 33 00-0306	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE3V6/STHE3W6)	30,270.64	598.23
22 13 33 00-0307	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4K6/STHE4L6)	30,998.19	717.87
22 13 33 00-0308	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE4S6/STHE4T6)	37,837.72	717.87
22 13 33 00-0309	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6U8)	46,259.89	897.34
22 13 33 00-0310	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Packing (Vaughan STHE6W8/6X)	46,259.89	897.34
22 13 33 00-0311	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3F6/STHE3G6)	28,315.61	598.23
22 13 33 00-0312	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3L6/STHE3M6)	29,537.25	598.23
22 13 33 00-0313	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3P6)	30,758.89	598.23
22 13 33 00-0314	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE3V6/STHE3W6)	30,758.89	598.23
22 13 33 00-0315	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4K6/STHE4L6)	31,486.43	717.87
22 13 33 00-0316	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE4S6/STHE4T6)	38,328.02	717.87
22 13 33 00-0317	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6U8)	46,748.13	897.34
22 13 33 00-0318	EA	3" - 6", Stainless Steel, Horizontal Chopper Pump With Mechanical Seal (Vaughan STHE6W8/6X)	46,748.13	897.34

22 13 33 00-0319 Horizontal End Suction Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0320	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES)	40,267.53	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0321	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET)	42,710.81	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0322	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	49,795.49	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0323	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	49,795.49	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0324	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES)	52,238.77	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0325	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	49,795.49	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0326	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	67,620.11	1,316.11
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,266.11*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0327	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	67,620.11	1,316.11
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,266.11*	
		For Coupling, Deduct	*-412.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0328	EA	8" - 12", Standard Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	80,315.09	1,555.40
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,472.12*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0329	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Ductile Iron And Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	80,315.09	1,555.40
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,472.12*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0330	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HES)	66,165.05	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0331	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8K-HET)	68,608.33	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0332	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HE)	84,732.73	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0333	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HER)	84,732.73	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0334	EA	8" - 12", Upgraded Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8P-HES)	87,176.01	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0335	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 8N-HE)	84,732.73	1,076.81
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,060.10*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0336	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HE)	110,863.67	1,316.11
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,266.11*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0337	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 10R-HER)	110,863.67	1,316.11
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,266.11*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0338	EA	8" - 12", Standard Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HE)	129,909.94	1,555.40
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,472.12*	
		For Coupling, Deduct	*-412.02*	
22 13 33 00-0339	EA	8" - 12", Standard Roller Thrust And Radial Bearing, Stainless Steel, Horizontal End Suction Pump (Vaughan 12W-HER)	129,909.94	1,555.40
		For Stool, Deduct	*-1,030.05*	
		For No Base, Deduct	*-2,472.12*	
		For Coupling, Deduct	*-412.02*	

22 13 33 00-0340 Vertical Pedestal Chopper Pumps (Vaughan) *(22 13 33 00-0223)*

22 13 33 00-0341	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3F6/PE3G6)	19,642.59	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0342	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3L6/PE3M6)	20,619.07	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0343	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3P6)	21,107.32	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0344	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE3V6/PE3W6)	21,107.32	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0345	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4K6/PE4L6)	21,836.92	717.87
		For Pedestal, Deduct	*-1,290.82*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0346	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE4S6/PE4T6)	22,813.41	717.87
		For Pedestal, Deduct	*-1,290.82*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0347	EA	3" - 6", Vertical Pedestal Chopper Pump With Packing (Vaughan PE6U8)	25,615.63	897.34
		For pedestal, Deduct	*-1,648.08*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0348	EA	Ductile Iron And Stainless Steel, Upgraded Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8K-PES)	40,998.87	1,076.81
		For No Stool, Deduct	*-1,030.05*	
		For No Coupling, Deduct	*-412.02*	
		For No Pedestal, Deduct	*-2,472.12*	
22 13 33 00-0349	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3F6/PE3G6)	20,130.83	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0350	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PE)	50,771.98	1,076.81
		For No Stool, Deduct	*-1,030.05*	
		For No Coupling, Deduct	*-412.02*	
		For No Pedestal, Deduct	*-2,472.12*	
		For Stool, Deduct	*-1,030.05*	
22 13 33 00-0351	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3L6/PE3M6)	21,107.32	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0352	EA	Ductile Iron And Stainless Steel, Standard Roller Thrust And Radial Bearing, Vertical Dry Pit Pedestal (Vaughan 8P-PER)	50,771.98	1,076.81
		For No Stool, Deduct	*-1,030.05*	
		For No Coupling, Deduct	*-412.02*	
		For No Pedestal, Deduct	*-2,472.12*	
22 13 33 00-0353	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3P6)	21,597.62	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0354	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 8N-PE)	50,771.98	1,076.81
		For No Stool, Deduct	*-1,030.05*	
		For No Coupling, Deduct	*-412.02*	
		For No Pedestal, Deduct	*-2,472.12*	
22 13 33 00-0355	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE3V6/PE3W6)	21,597.62	598.23
		For Pedestal, Deduct	*-1,133.04*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0356	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 10R-PE)	69,330.00	1,316.11
		For No Stool, Deduct	*-1,030.05*	
		For No Coupling, Deduct	*-412.02*	
		For No Pedestal, Deduct	*-2,678.13*	
22 13 33 00-0357	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4K6/PE4L6)	22,325.16	717.87
		For Pedestal, Deduct	*-1,290.82*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0358	EA	Ductile Iron And Stainless Steel, Standard Bearing, Vertical Dry Pit Pedestal (Vaughan 12W-PE)	82,024.97	1,555.40
		For No Stool, Deduct	*-1,030.05*	
		For No Coupling, Deduct	*-412.02*	
		For No Pedestal, Deduct	*-2,884.14*	
22 13 33 00-0359	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE4S6/PE4T6)	23,301.65	717.87
		For Pedestal, Deduct	*-1,290.82*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	
22 13 33 00-0360	EA	3" - 6", Vertical Pedestal Chopper Pump With Mechanical Seal (Vaughan PE6W8/6X)	26,103.87	897.34
		For pedestal, Deduct	*-1,648.08*	
		For Stool, Deduct	*-721.02*	
		For Coupling, Deduct	*-206.01*	

22 13 33 00-0361 Submersible Pump Accessories (Vaughan) *(22 13 33)*

22 13 33 00-0362	EA	Guide Rail Adapter Bracket For 3" Submersible Pump	1,221.64	
22 13 33 00-0363	EA	Discharge Elbow Base For 3" Submersible Pump	1,812.77	68.68
22 13 33 00-0364	EA	Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	512.48	11.98
22 13 33 00-0365	EA	Intermediate Guide Rail Support Bracket (Every 10') For 3" Sumbersible Pump	488.24	
22 13 33 00-0366	EA	Class 1, Guide Rail Adapter Bracket For 3" Submersible Pump	3,176.67	
22 13 33 00-0367	EA	Class 1, Discharge Elbow Base For 3" Submersible Pump	1,709.88	
22 13 33 00-0368	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 3" Submersible Pump	512.48	11.98
22 13 33 00-0369	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 3" Submersible Pump	488.24	
22 13 33 00-0370	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 3" Submersible Pump	854.94	
22 13 33 00-0371	EA	25', Galvanized, Safety Chain With Hook For 3" Submersible Pump	733.40	
22 13 33 00-0372	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 3" Submersible Pump	1,709.88	
22 13 33 00-0373	LF	Galvanized Pipe, Guide Rails For 3" Submersible Pump	98.40	11.98
22 13 33 00-0374	LF	316 Stainless Steel Pipe, Guide Rails For 3" Submersible Pump	182.87	11.98
22 13 33 00-0375	EA	Stainless Steel, Cable Holder Bracket For 3" Submersible Pump	609.79	
22 13 33 00-0376	EA	Guide Rail Adapter Bracket For 4" Submersible Pump	1,466.79	
22 13 33 00-0377	EA	Discharge Elbow Base For 4" Submersible Pump	2,074.68	79.80
22 13 33 00-0378	EA	Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	512.48	11.98
22 13 33 00-0379	EA	Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	512.96	
22 13 33 00-0380	EA	Class 1, Guide Rail Adapter Bracket For 4" Submersible Pump	3,419.77	
22 13 33 00-0381	EA	Class 1, Discharge Elbow Base For 4" Submersible Pump	1,955.03	
22 13 33 00-0382	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 4" Submersible Pump	512.48	11.98
22 13 33 00-0383	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 4" Submersible Pump	512.96	
22 13 33 00-0384	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 4" Submersible Pump	854.94	
22 13 33 00-0385	EA	25', Galvanized, Safety Chain With Hook For 4" Submersible Pump	733.40	
22 13 33 00-0386	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 4" Submersible Pump	1,709.88	
22 13 33 00-0387	EA	Galvanized Pipe, Guide Rails For 4" Submersible Pump	74.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0388	EA	316 Stainless Steel Pipe, Guide Rails For 4" Submersible Pump	182.87	11.98
22 13 33 00-0389	EA	Stainless Steel, Cable Holder Bracket For 4" Submersible Pump	609.79	
22 13 33 00-0390	EA	Portable Stand For 4" Submersible Pump	976.49	
22 13 33 00-0391	EA	Guide Rail Adapter Bracket For 6" Submersible Pump	1,709.88	
22 13 33 00-0392	EA	Discharge Elbow Base For 6" Submersible Pump	2,598.81	103.74
22 13 33 00-0393	EA	Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	512.48	11.98
22 13 33 00-0394	EA	Intermediate Guide Rail Support Bracket (Every 10') For 6" Sumbersible Pump	537.69	
22 13 33 00-0395	EA	Class 1, Guide Rail Adapter Bracket For 6" Submersible Pump	3,664.92	
22 13 33 00-0396	EA	Class 1, Discharge Elbow Base For 6" Submersible Pump	2,443.28	
22 13 33 00-0397	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 6" Submersible Pump	512.48	11.98
22 13 33 00-0398	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 6" Submersible Pump	537.69	
22 13 33 00-0399	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 6" Submersible Pump	854.94	
22 13 33 00-0400	EA	25', Galvanized, Safety Chain With Hook For 6" Submersible Pump	733.40	
22 13 33 00-0401	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 6" Submersible Pump	1,709.88	
22 13 33 00-0402	EA	Galvanized Pipe, Guide Rails For 6" Submersible Pump	74.16	
22 13 33 00-0403	EA	316 Stainless Steel Pipe, Guide Rails For 6" Submersible Pump	182.87	11.98
22 13 33 00-0404	EA	Stainless Steel, Cable Holder Bracket For 6" Submersible Pump	609.79	
22 13 33 00-0405	EA	Portable Stand For 6" Submersible Pump	976.49	
22 13 33 00-0406	EA	Guide Rail Adapter Bracket For 8" Submersible Pump	2,198.13	
22 13 33 00-0407	EA	Discharge Elbow Base For 8" Submersible Pump	3,837.21	114.86
22 13 33 00-0408	EA	Intermediate Guide Rail Support Bracket (Every 10') For 8" Sumbersible Pump	854.94	
22 13 33 00-0409	EA	Class 1, Guide Rail Adapter Bracket For 8" Submersible Pump	4,153.16	
22 13 33 00-0410	EA	Class 1, Discharge Elbow Base For 8" Submersible Pump	3,664.92	
22 13 33 00-0411	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 8" Submersible Pump	757.64	11.98
22 13 33 00-0412	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 8" Submersible Pump	854.94	
22 13 33 00-0413	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 8" Submersible Pump	1,831.43	
22 13 33 00-0414	EA	25', Galvanized, Safety Chain With Hook For 8" Submersible Pump	1,466.79	
22 13 33 00-0415	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 8" Submersible Pump	4,153.16	
22 13 33 00-0416	EA	Galvanized Pipe, Guide Rails For 8" Submersible Pump	121.55	
22 13 33 00-0417	EA	316 Stainless Steel Pipe, Guide Rails For 8" Submersible Pump	269.39	11.98
22 13 33 00-0418	EA	Stainless Steel, Cable Holder Bracket For 8" Submersible Pump	609.79	
22 13 33 00-0419	EA	Portable Stand For 8" Submersible Pump	2,198.13	
22 13 33 00-0420	EA	Guide Rail Adapter Bracket For 10" Submersible Pump	2,688.43	
22 13 33 00-0421	EA	Discharge Elbow Base For 10" Submersible Pump	4,342.20	125.63
22 13 33 00-0422	EA	Straight Thru Discharge Base For 10" Submersible Pump	4,153.16	
22 13 33 00-0423	EA	Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	757.64	12.09
22 13 33 00-0424	EA	Intermediate Guide Rail Support Bracket (Every 10') For 10" Sumbersible Pump	1,629.54	
22 13 33 00-0425	EA	Class 1, Guide Rail Adapter Bracket For 10" Submersible Pump	5,619.95	
22 13 33 00-0426	EA	Class 1, Discharge Elbow Base For 10" Submersible Pump	4,153.16	
22 13 33 00-0427	EA	Class 1, Straight Thru Discharge Base For 10" Submersible Pump	4,153.16	
22 13 33 00-0428	EA	Class 1, Top Guide Rail And Lift Chain Bracket For 10" Submersible Pump	757.64	12.09
22 13 33 00-0429	EA	Class 1, Intermediate Guide Rail Support Bracket (Every 10') For 10" Submersible Pump	1,221.64	
22 13 33 00-0430	EA	25', 316 Stainless Steel, Safety Lift Cable With Stainless Steel Clevis For 10" Submersible Pump	1,831.43	
22 13 33 00-0431	EA	25', Galvanized, Safety Chain With Hook For 10" Submersible Pump	1,466.79	
22 13 33 00-0432	EA	25", 316 Stainless Steel, Safety Chain With Clevis For 10" Submersible Pump	4,153.16	
22 13 33 00-0433	EA	Galvanized Pipe, Guide Rails For 10" Submersible Pump	145.79	12.09
22 13 33 00-0434	EA	316 Stainless Steel Pipe, Guide Rails For 10" Submersible Pump	269.39	12.09
22 13 33 00-0435	EA	Stainless Steel, Cable Holder Bracket For 10" Submersible Pump	609.79	
22 13 33 00-0436	EA	Portable Stand For 10" Submersible Pump	2,198.13	
22 13 33 00-0437	EA	5 - 15 HP, 3" - 6" Pump Belt Drive	2,931.52	
22 13 33 00-0438	EA	20 - 30 HP, 3" - 6" Pump Belt Drive	3,176.67	
22 13 33 00-0439	EA	40 - 50 HP, 3" - 6" Pump Belt Drive	3,419.77	
22 13 33 00-0440	EA	60 - 75 HP, 3" - 6" Pump Belt Drive	3,664.92	
22 13 33 00-0441	EA	100 HP, 3" - 6" Pump Belt Drive	3,910.07	
22 13 33 00-0442	EA	5 - 15 HP, 8" - 12" Pump Belt Drive	4,398.31	
22 13 33 00-0443	EA	20 - 30 HP, 8" - 12" Pump Belt Drive	4,641.41	
22 13 33 00-0444	EA	40 - 50 HP, 8" - 12" Pump Belt Drive	4,886.56	
22 13 33 00-0445	EA	60 - 75 HP, 8" - 12" Pump Belt Drive	5,129.65	
22 13 33 00-0446	EA	100 HP, 8" - 12" Pump Belt Drive	5,619.95	
22 13 33 00-0447	EA	125 HP, 8" - 12" Pump Belt Drive	6,596.44	
22 13 33 00-0448	EA	150 - 200 HP, 8" - 12" Pump Belt Drive	6,841.59	

22 13 33 00-0449 Submersible Pumps (Zoeller) *(22 13 33)*

22 13 33 00-0450	EA	0.5 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6282)	3,473.01	335.01
		For Moisture Probe, Add	*271.93*	
		For 3 Phase Adder, Add	*169.96*	
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 50' Cord Adder, Add	*283.26*	
22 13 33 00-0451	EA	1 HP, 2" Discharge, 1750 RPM, Vortex Impeller With 25' Cord (Zoeller 6284)	3,781.56	382.87
		For Moisture Probe, Add	*271.93*	
		For 3 Phase Adder, Add	*169.96*	
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 50' Cord Adder, Add	*283.26*	
22 13 33 00-0452	EA	1 HP, 2" Discharge, 3450 RPM, Vortex Impeller With 25' Cord (Zoeller 6292)	3,665.16	382.87
		For Moisture Probe, Add	*271.93*	
		For 3 Phase Adder, Add	*169.96*	
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 50' Cord Adder, Add	*283.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0453	EA	0.5 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6282)	6,287.51	335.01
		For 3 Phase Adder, Add	*169.96*	
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 50' Cord Adder, Add	*283.26*	
22 13 33 00-0454	EA	1 HP, 2" Discharge, 1750 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6284)	6,978.21	382.87
		For 3 Phase Adder, Add	*169.96*	
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 50' Cord Adder, Add	*283.26*	
22 13 33 00-0455	EA	1 HP, 2" Discharge, 3450 RPM, Explosion Proof Vortex Impeller With 25' Cord (Zoeller X6292)	6,729.56	382.87
		For 3 Phase Adder, Add	*169.96*	
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 50' Cord Adder, Add	*283.26*	
22 13 33 00-0456	EA	1 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6120)	7,682.97	382.87
22 13 33 00-0457	EA	1.5 HP, 3" Dischrage, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6121)	8,270.34	514.48
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For Thermal And Moisture Sensors, Add	*385.24*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0458	EA	2 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6122)	8,458.87	646.08
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For Thermal And Moisture Sensors, Add	*385.24*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0459	EA	3 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6123)	9,315.28	777.69
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For Thermal And Moisture Sensors, Add	*385.24*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0460	EA	5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6124)	10,458.05	909.30
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For Thermal And Moisture Sensors, Add	*385.24*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0461	EA	7.5 HP, 3" Discharge, 1750 RPM, 61HD Semi-Open Impeller With 25' Cord (Zoeller 6125)	12,958.42	1,040.92
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For Thermal And Moisture Sensors, Add	*385.24*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0462	EA	1 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6120)	9,402.95	382.87
22 13 33 00-0463	EA	1.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6121)	9,813.56	514.48
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0464	EA	2 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6122)	10,400.93	646.08
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0465	EA	3 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6123)	11,189.97	777.69
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0466	EA	5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller Engineered Products X6124)	12,334.80	909.30
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For 50' Cord Adder, Add	*566.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0467	EA	7.5 HP, 3" Discharge, 1750 RPM, Explosion Proof, 61HD Semi-Open Impeller With 25' Cord (Zoeller X6125)	12,958.42	1,040.92
		For Silicone Carbide / Silicone Carbide Seal	*192.62*	
		For Certified Test, Add	*453.22*	
		For 1 Phase Adder, Add	*249.27*	
		For 3" Solids Capacity, Add	*634.51*	
		For Impeller Trim, Add	*339.92*	
		For 50' Cord Adder, Add	*566.53*	
22 13 33 00-0468	EA	115 V/230 V, Variable Level Control Switch With 25' Cord (Zoeller 10-1877)	173.13	29.92
22 13 33 00-0469	EA	115 V/230 V, Variable Level Control Switch With 50' Cord (Zoeller 10-1879)	232.04	29.92
22 13 33 00-0470	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 25' Cord (Zoeller 10-2066)	213.92	29.92
22 13 33 00-0471	EA	30 Volt DC / 125 Volt AC, Intrinsically Safe Variable Control Switch With 50' Cord (Zoeller 10-2068)	272.83	29.92
22 13 33 00-0472	EA	Stainless Steel, 4 Float Bracket (Zoeller 10-0253)	398.83	75.37
22 13 33 00-0473	EA	2" Z Rail Base Elbow And Disconnect (Zoeller 39-0128)	1,543.13	56.24
22 13 33 00-0474	EA	2" Z Rail Base Elbow And Disconnect With Stainless Steel Upper Rail Bracket (Zoeller 39-0129)	2,009.95	56.24
22 13 33 00-0475	EA	3" Base Elbow And Disconnect (Zoeller 39-0094)	2,634.13	68.19
22 13 33 00-0476	EA	4" Base Elbow And Disconnect (Zoeller 39-0016)	3,533.24	80.16

22 13 33 00-0477 Mounted Motors (Vaughan) *(22 13 33)*

22 13 33 00-0478 C-FACE Mounted Motors (Vaughan) *(22 13 33 00-0477)*

22 13 33 00-0479	EA	5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,646.37	225.60
22 13 33 00-0480	EA	5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,829.72	225.60
22 13 33 00-0481	EA	5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,303.18	225.60
22 13 33 00-0482	EA	5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 184TC)	2,511.25	225.60
22 13 33 00-0483	EA	7.5 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	4,918.04	225.60
22 13 33 00-0484	EA	7.5 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,859.50	225.60
22 13 33 00-0485	EA	7.5 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,146.35	225.60
22 13 33 00-0486	EA	7.5 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 213TC)	3,453.31	225.60
22 13 33 00-0487	EA	10 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,120.93	394.80
22 13 33 00-0488	EA	10 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	7,134.50	394.80
22 13 33 00-0489	EA	10 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,593.19	394.80
22 13 33 00-0490	EA	10 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 215TC)	3,994.91	394.80
22 13 33 00-0491	EA	15 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,137.39	394.80
22 13 33 00-0492	EA	15 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,773.96	394.80
22 13 33 00-0493	EA	15 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,084.32	394.80
22 13 33 00-0494	EA	15 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,560.20	394.80
22 13 33 00-0495	EA	15 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 254TC)	5,059.60	394.80
22 13 33 00-0496	EA	20 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	10,077.62	564.00
22 13 33 00-0497	EA	20 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	11,567.07	564.00
22 13 33 00-0498	EA	20 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,278.79	564.00
22 13 33 00-0499	EA	20 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,486.86	564.00
22 13 33 00-0500	EA	20 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 256TC)	6,167.55	564.00
22 13 33 00-0501	EA	25 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	11,926.75	564.00
22 13 33 00-0502	EA	25 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,952.68	564.00
22 13 33 00-0503	EA	25 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	7,699.43	564.00
22 13 33 00-0504	EA	25 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TC)	8,016.68	564.00
22 13 33 00-0505	EA	25 HP, 3510 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 284TSC)	7,516.08	564.00
22 13 33 00-0506	EA	30 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	13,951.74	564.00
22 13 33 00-0507	EA	30 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,734.58	564.00
22 13 33 00-0508	EA	30 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,431.88	564.00
22 13 33 00-0509	EA	30 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 286TC)	9,763.56	564.00
22 13 33 00-0510	EA	40 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	16,679.93	846.00
22 13 33 00-0511	EA	40 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 364TC)	21,199.78	846.00
22 13 33 00-0512	EA	40 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 324TC)	12,343.41	846.00
22 13 33 00-0513	EA	50 HP, 1170 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	22,809.33	846.00
22 13 33 00-0514	EA	50 HP, 1170 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 365TC)	23,847.62	846.00
22 13 33 00-0515	EA	50 HP, 1750 RPM, High Efficiency, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	12,817.84	846.00
22 13 33 00-0516	EA	50 HP, 1750 RPM, Chemical Duty, C-FACE Mounted Motor For Direct Drive Only (Vaughan 326TC)	14,074.50	846.00

22 13 33 00-0517 Foot Mounted Motors (Vaughan) *(22 13 33 00-0477)*

22 13 33 00-0518	EA	5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,366.20	225.60
22 13 33 00-0519	EA	5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,732.89	225.60
22 13 33 00-0520	EA	5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,179.58	225.60
22 13 33 00-0521	EA	5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 184T)	2,474.17	225.60
22 13 33 00-0522	EA	7.5 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,479.24	225.60
22 13 33 00-0523	EA	7.5 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,468.08	225.60
22 13 33 00-0524	EA	7.5 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	2,658.11	225.60
22 13 33 00-0525	EA	7.5 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 213T)	3,391.50	225.60
22 13 33 00-0526	EA	10 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,632.68	394.80
22 13 33 00-0527	EA	10 HP, 1170 RPM, hemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,755.44	394.80
22 13 33 00-0528	EA	10 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,298.59	394.80
22 13 33 00-0529	EA	10 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 215T)	3,935.16	394.80
22 13 33 00-0530	EA	15 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,490.52	394.80
22 13 33 00-0531	EA	15 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	8,261.00	394.80
22 13 33 00-0532	EA	15 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	4,363.29	394.80
22 13 33 00-0533	EA	15 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 254T)	5,327.41	394.80
22 13 33 00-0534	EA	20 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,430.75	564.00
22 13 33 00-0535	EA	20 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	11,041.74	564.00
22 13 33 00-0536	EA	20 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	5,423.85	564.00
22 13 33 00-0537	EA	20 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 256T)	6,363.26	564.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 33 00-0538	EA	25 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,108.89	564.00
22 13 33 00-0539	EA	25 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	12,256.37	564.00
22 13 33 00-0540	EA	25 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	6,636.42	564.00
22 13 33 00-0541	EA	25 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 284T)	7,907.50	564.00
22 13 33 00-0542	EA	30 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,950.53	564.00
22 13 33 00-0543	EA	30 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	14,038.26	564.00
22 13 33 00-0544	EA	30 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	7,880.63	564.00
22 13 33 00-0545	EA	30 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 286T)	9,359.78	564.00
22 13 33 00-0546	EA	40 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	16,521.30	846.00
22 13 33 00-0547	EA	40 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 364T)	19,110.84	846.00
22 13 33 00-0548	EA	40 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	10,413.10	846.00
22 13 33 00-0549	EA	40 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 324T)	11,401.95	846.00
22 13 33 00-0550	EA	50 HP, 1170 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	21,600.05	846.00
22 13 33 00-0551	EA	50 HP, 1170 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 365T)	22,405.55	846.00
22 13 33 00-0552	EA	50 HP, 1750 RPM, High Efficiency, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	12,475.86	846.00
22 13 33 00-0553	EA	50 HP, 1750 RPM, Chemical Duty, Foot Mount Motor For Belt Drive Only (Vaughan 326T)	13,281.36	846.00

22 13 33 00-0554 Submersible Pumps (Hayward Gordon) *(22 13 33)*

22 13 33 00-0555 Chopper Pumps (Hayward Gordon) *(22 13 33 00-0554)*

22 13 33 00-0556	EA	5 HP, 460 Volt, 60 Hertz, 28' Total Dynamic Head, 180 GPM, 1510 RPM, 3 Phase, Submersible Chopper Pump (Hayward Gordon)	34,330.78	382.87
22 13 33 00-0557	EA	20 HP, 460 Volt, 60 Hertz, 60' Total Dynamic Head, 600 GPM, 1570 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 20-60-600-1570SP)	58,258.07	765.74
22 13 33 00-0558	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 790 RPM, 3 Phase Submersible Chopper Pump (Hayward Gordon 75-29-5500-790SP)	109,562.49	1,292.17

22 13 33 00-0559 Recessed Impeller Centrifugal Pumps (Hayward Gordon) *(22 13 33 00-0554)*

22 13 33 00-0560	EA	40 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 450 GPM, 1460 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	49,602.48	1,052.88
22 13 33 00-0561	EA	50 HP, 460 Volt, 60 Hertz, 65' Total Dynamic Head, 1,000 GPM, 1550 RPM, 3 Phase, Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	55,282.81	1,244.32
22 13 33 00-0562	EA	100 HP, 460 Volt, 60 Hertz, 130' Total Dynamic Head, 900 GPM, 1430 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon 100-130-900-1430SP)	90,939.99	1,531.46
22 13 33 00-0563	EA	100 HP, 460 Volt, 60 Hertz, 53' To 132' Total Dynamic Head, 952 GPM, 1450 RPM, 3 Phase Submersible Recessed Impeller Centrifugal Pump (Hayward Gordon)	90,939.99	1,531.46

22 13 33 00-0564 Screw Centrifugal Pumps (Hayward Gordon) *(22 13 33 00-0554)*

22 13 33 00-0565	EA	25 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 900 GPM, 1700 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	46,960.80	861.45
22 13 33 00-0566	EA	60 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 1500 GPM, 1460 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	67,396.20	1,244.32
22 13 33 00-0567	EA	75 HP, 460 Volt, 60 Hertz, 67' Total Dynamic Head, 1440 GPM, 1510 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	76,394.88	1,292.17
22 13 33 00-0568	EA	75 HP, 460 Volt, 60 Hertz, 29' Total Dynamic Head, 5500 GPM, 970 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon 75-29-5500-970SP)	104,226.83	1,292.17
22 13 33 00-0569	EA	100 HP, 460 Volt, 60 Hertz, 44' Total Dynamic Head, 4514 GPM, 1030 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	103,589.00	1,531.46
22 13 33 00-0570	EA	100 HP, 460 Volt, 60 Hertz, 132' Total Dynamic Head, 900 GPM, 1690 RPM, 3 Phase Submersible Screw Centrifugal Pump (Hayward Gordon)	78,332.18	1,531.46

22 13 36 Packaged, Wastewater Pump Units *(22 13)*

22 13 36 00-0001 Dri-Prime Pumps With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard *(22 13 36)*

22 13 36 00-0002	EA	4" Trailer Mounted Trash Pump (Godwin Pumps CD100M)	40,653.73
22 13 36 00-0003	EA	4" Skid Mounted Trash Pump (Godwin Pumps CD100M)	39,228.88
22 13 36 00-0004	EA	6" Trailer Mounted Trash Pump (Godwin Pumps CD150M)	52,496.87
22 13 36 00-0005	EA	6" Skid Mounted Trash Pump (Godwin Pumps CD150M)	50,627.70
22 13 36 00-0006	EA	8" Trailer Mounted Trash Pump (Godwin Pumps CD225M)	74,183.74
22 13 36 00-0007	EA	8" Skid Mounted Trash Pump (Godwin Pumps CD225M)	71,242.11

22 13 36 00-0008 Dri-Prime Pumps Critically Silenced With Diesel Engine; Godwin Pumps, CD Series With PrimeGuard *(22 13 36)*

22 13 36 00-0009	EA	4" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD100M)	61,520.93
22 13 36 00-0010	EA	4" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD100M)	55,752.58
22 13 36 00-0011	EA	6" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD150M)	73,747.09
22 13 36 00-0012	EA	6" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD150M)	68,024.70
22 13 36 00-0013	EA	8" Critically Silenced Trailer Mounted Trash Pump (Godwin Pumps CD225M)	93,243.06
22 13 36 00-0014	EA	8" Critically Silenced Skid Mounted Trash Pump (Godwin Pumps CD225M)	85,161.24

22 13 36 00-0015 Heidra Hydraulic Submersible Pumps With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard *(22 13 36)*

Note: Includes pump, pumpend, and hoses.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 36 00-0016	EA	4" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	46,543.63	
22 13 36 00-0017	EA	4" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	45,197.19	
22 13 36 00-0018	EA	6" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	62,709.31	
22 13 36 00-0019	EA	6" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	60,668.74	
22 13 36 00-0020	EA	8" Trailer Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	115,680.55	
22 13 36 00-0021	EA	8" Skid Mounted Hydraulic Submersible Pump (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	108,998.52	
22 13 36 00-0022		Heidra Hydraulic Submersible Pumps Critically Silenced With Diesel Engine; Godwin Pumps, HS Series With PrimeGuard *(22 13 36)* Note: Includes pump, pumpend, and hoses.		
22 13 36 00-0023	EA	4" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	73,422.31	
22 13 36 00-0024	EA	4" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS100MR) Note: Includes pump, pumpend, two 3/4" x 50' hoses and one 1/2" x 50' hose.	67,576.58	
22 13 36 00-0025	EA	6" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	92,138.71	
22 13 36 00-0026	EA	6" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS150MR) Note: Includes pump, pumpend, two 1" x 50' hoses and one 1/2" x 50' hose.	83,315.74	
22 13 36 00-0027	EA	8" Trailer Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	144,532.90	
22 13 36 00-0028	EA	8" Skid Mounted Hydraulic Submersible Pump Critically Silenced (Godwin Pumps HS200MR) Note: Includes pump, pumpend, two 1-1/4" x 50' hoses and one 1/2" x 50' hose.	133,535.56	
22 13 36 00-0029		Auto Start Controls Accessories *(22 13 36)*		
22 13 36 00-0030	EA	Two Float Assembly for Godwin PrimeGuard Controller	546.96	
22 13 36 00-0031	EA	Level Transducer for Godwin PrimeGuard Controller	2,745.52	
22 13 36 00-0032	EA	Pressure Transducer for Godwin PrimeGuard Controller	957.56	
22 13 36 00-0033	EA	3016D/4045D Auto Throttle for Godwin PrimeGuard Controller	1,601.04	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001		Cast Iron Roof Drains *(22 14 26 13)*		
22 14 26 13-0002		Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)* Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,037.70	199.45
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,137.40	239.29
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,237.11	299.11
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,661.10	358.94
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,710.94	398.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,023.16	418.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,738.02	433.72
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,606.90	199.45
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,746.36	239.29
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,923.50	299.11
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,659.29	358.94
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,853.52	398.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,223.24	199.45
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,322.94	239.29
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,422.65	299.11
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,829.08	358.94
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,878.92	398.78
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,437.28	79.80
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,477.16	99.66
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,495.29	108.76
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,103.94	144.17
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,167.54	176.00
		For Galvanized Iron Parts, Add	*258.00*	
		For Vandal Proof Grate, Add	*33.00*	
22 14 26 13-0028		**Cast Iron Roof Drain With Flat Cast Iron Grate** *(22 14 26 13-0001)*		
22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,138.69	199.45
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,238.39	239.29
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,338.10	299.11
		For Galvanized Cast Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0032		**Cast Iron Roof Drains With Large Cast Iron Dome** *(22 14 26 13-0001)*		
22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,226.50	199.45
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,326.20	239.29
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,425.91	299.11
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,849.91	358.94
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,899.75	398.78
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,211.97	418.76
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,926.83	433.72
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0040		**Aluminum Roof Drains** *(22 14 26 13)*		
22 14 26 13-0041		**Aluminum Dome Roof Drains** *(22 14 26 13-0040)*		
22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,259.44	199.45
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,359.14	239.29
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,458.85	299.11
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,932.68	398.42
		For Galvanized Cast Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,245.14	418.76
			For Galvanized Cast Iron Parts, Add	*518.00*	
			For Deck Clamp Assembly, Add	*130.00*	
			For Drain Receiver, Add	*147.00*	
			For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
	22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,959.76	433.72
			For Galvanized Cast Iron Parts, Add	*518.00*	
			For Deck Clamp Assembly, Add	*130.00*	
			For Drain Receiver, Add	*147.00*	
			For 4" Fixed Extension Collar, Cast Iron, Add	*357.00*	
	22 14 26 13-0048		Retrofit Roof Drains *(22 14 26 13)*		
	22 14 26 13-0049		Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*		
	22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	911.75	239.29
	22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	1,027.35	299.11
	22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,240.49	358.94
	22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,353.90	398.42
	22 14 26 13-0054		Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
	22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,054.79	239.29
	22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,164.04	299.11
	22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,386.71	358.94
	22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,455.62	398.42
	22 14 26 13-0059		Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*		
	22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	918.11	239.29
			For Copolymer Strainer Dome, Deduct	*-24.00*	
	22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	1,033.71	299.11
			For Copolymer Strainer Dome, Deduct	*-24.00*	
	22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,246.85	358.94
			For Copolymer Strainer Dome, Deduct	*-24.00*	
	22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,309.40	398.42
			For Copolymer Strainer Dome, Deduct	*-24.00*	
	22 14 26 13-0064		Bronze Downspout Nozzles *(22 14 26 13)*		
	22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	550.22	119.65
	22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	550.22	119.65
	22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	550.22	119.65
	22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	858.93	149.56
	22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	858.93	149.56
	22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,119.56	149.56
	22 14 26 16		**Facility Area Drains** *(22 14 26)*		
	22 14 26 16-0001		Area Drain *(22 14 26 16)*		
	22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,231.18	144.05
			For Galvanized Cast Iron Parts, Add	*152.25*	
			For Ductile Iron Grate, Add	*123.50*	
			For Vandal Proof Screws, Add	*29.50*	
			For Primer Tap, Add	*36.00*	
	22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,262.24	159.61
			For Galvanized Cast Iron Parts, Add	*152.25*	
			For Ductile Iron Grate, Add	*123.50*	
			For Vandal Proof Screws, Add	*29.50*	
			For Primer Tap, Add	*36.00*	
	22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,294.92	176.00
			For Galvanized Cast Iron Parts, Add	*152.25*	
			For Ductile Iron Grate, Add	*123.50*	
			For Vandal Proof Screws, Add	*29.50*	
			For Primer Tap, Add	*36.00*	
	22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,328.98	192.99
			For Galvanized Cast Iron Parts, Add	*152.25*	
			For Ductile Iron Grate, Add	*123.50*	
			For Vandal Proof Screws, Add	*29.50*	
			For Primer Tap, Add	*36.00*	
	22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,982.54	144.05
			For Galvanized Cast Iron Parts, Add	*152.25*	
			For Ductile Iron Grate, Add	*123.50*	
			For Vandal Proof Screws, Add	*29.50*	
			For Primer Tap, Add	*36.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,013.60	159.61
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,046.28	176.00
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,080.34	192.99
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,015.23	144.05
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,046.29	159.61
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,078.97	176.00
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,113.03	192.99
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,531.35	144.05
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,562.41	159.61
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,595.09	176.00
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,629.15	192.99
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,181.35	144.05
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,212.41	159.61
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,245.09	176.00
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,279.15	192.99
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,190.82	144.05
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,221.88	159.61
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,254.56	176.00
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,288.62	192.99
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,431.59	144.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,462.65	159.61
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,495.33	176.00
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	861.26	144.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	892.32	159.61
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	925.00	176.00
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,348.53	144.05
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,379.59	159.61
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,412.27	176.00
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,346.93	144.05
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,377.99	159.61
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,410.67	176.00
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,821.43	144.05
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,852.49	159.61
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,885.17	176.00
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,081.14	144.05
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,112.20	159.61
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,144.88	176.00
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,177.84	144.05
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,208.90	159.61
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,241.58	176.00
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	718.36	144.05
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	749.42	159.61
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	782.10	176.00
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,115.23	144.05
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,146.29	159.61
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,178.97	176.00
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,033.16	71.79
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	573.68	71.79
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	970.55	71.79
		For Galvanized Cast Iron Parts, Add	*98.25*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,865.55	144.05
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,896.61	159.61
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,929.29	176.00
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,297.00	144.05
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,328.06	159.61
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,360.74	176.00
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,787.79	144.05
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,818.85	159.61
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,851.53	176.00
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,562.59	144.05
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,593.65	159.61
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,626.33	176.00
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,720.85	71.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,152.30	71.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,643.09	71.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,417.89	71.79
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,807.05	347.14
		For Explosion Proof Motor, Add	*344.79*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,191.95	420.16
		For Explosion Proof Motor, Add	*383.31*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,214.32	499.17
		For Explosion Proof Motor, Add	*495.18*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,755.32	614.08
		For Explosion Proof Motor, Add	*561.20*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,243.94	665.55
		For Explosion Proof Motor, Add	*819.80*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,960.94	798.42
		For Explosion Proof Motor, Add	*929.84*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,833.71	826.91
		For Explosion Proof Motor, Add	*1,524.05*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,506.40	1,010.87
		For Explosion Proof Motor, Add	*2,022.90*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,732.56	1,178.92
		For Explosion Proof Motor, Add	*2,622.62*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	22,486.68	1,415.21
		For Explosion Proof Motor, Add	*3,416.74*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	31,208.48	1,571.90
		For Explosion Proof Motor, Add	*5,415.80*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,074.44
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,175.68
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,286.47
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,544.67
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,726.52
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,757.96
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,973.49
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,159.46

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	897.42	47.86
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	993.48	53.84
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,378.83	71.79
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	2,002.75	83.76
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,147.36	86.75
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,296.28	89.74
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,925.86	107.68
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,965.80	119.65
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,295.65	149.56
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,395.25	164.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16		**Submersible Sump Pumps** *(22 14 29)*		
22 14 29 16-0001		Submersible Sump/Effluent Pumps *(22 14 29 16)*		
22 14 29 16-0002		Wet Pit Submersible Pumps, (KSB) Series KRT K *(22 14 29 16-0001)*		
		Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0003		4 Pole / 1,750 RPM *(22 14 29 16-0002)*		
22 14 29 16-0004	EA	To 10 HP, 600 GPM At 32' Head, Wet Pit Submersible Pump	8,650.03	397.41
22 14 29 16-0005	EA	11-20 HP, 900 GPM At 60' Head, Wet Pit Submersible Pump	10,215.52	662.36
22 14 29 16-0006	EA	21-36 HP, 1,000 GPM At 105' Head, Wet Pit Submersible Pump	17,454.13	927.29
22 14 29 16-0007	EA	51-83 HP, 2,500GPM At 115' Head, Wet Pit Submersible Pump	41,791.87	1,192.23
22 14 29 16-0008	EA	83-110 HP, 2,600 GPM At 140' Head, Wet Pit Submersible Pump	45,344.95	1,457.18
22 14 29 16-0009	EA	83-110 HP, 3,000 GPM At 100' Head, Wet Pit Submersible Pump	49,188.53	1,457.18
22 14 29 16-0010	EA	83-110 HP, 3,500 GPM At 80' Head, Wet Pit Submersible Pump	50,117.12	1,457.18
22 14 29 16-0011	EA	110-160 HP, 3,000 GPM At 180' Head, Wet Pit Submersible Pump	58,342.11	1,722.12
22 14 29 16-0012	EA	110-160 HP, 3,500 GPM At 140' Head, Wet Pit Submersible Pump	59,988.83	1,722.12
22 14 29 16-0013	EA	110-160 HP, 4,500 GPM At 110' Head, Wet Pit Submersible Pump	62,052.77	1,722.12
22 14 29 16-0014	EA	160-210 HP, 3,800 GPM At 150' Head, Wet Pit Submersible Pump	66,016.71	1,987.06
22 14 29 16-0015	EA	160-210 HP, 5,000 GPM At 130' Head, Wet Pit Submersible Pump	70,410.43	1,987.06
22 14 29 16-0016		6 Pole / 1160 RPM *(22 14 29 16-0002)*		
22 14 29 16-0017	EA	To 10 HP, 1,100 GPM At 26' Head, Wet Pit Submersible Pump	11,995.16	397.41
22 14 29 16-0018	EA	To 10 HP, 1,800 GPM At 16' Head, Wet Pit Submersible Pump	12,984.67	397.41
22 14 29 16-0019	EA	11-24 HP, 1,400 GPM At 47' Head, Wet Pit Submersible Pump	16,924.24	662.36
22 14 29 16-0020	EA	11-24 HP, 2,400 GPM At 30' Head, Wet Pit Submersible Pump	18,432.51	662.36
22 14 29 16-0021	EA	21-50 HP, 2,100 GPM At 75' Head, Wet Pit Submersible Pump	26,647.71	927.29
22 14 29 16-0022	EA	21-50 HP, 2,400 GPM At 60' Head, Wet Pit Submersible Pump	28,248.28	927.29
22 14 29 16-0023	EA	21-50 HP, 3,200 GPM At 50' Head, Wet Pit Submersible Pump	34,120.73	927.29
22 14 29 16-0024	EA	21-50 HP, 5,000 GPM At 29' Head, Wet Pit Submersible Pump	40,718.69	927.29
22 14 29 16-0025	EA	51-80 HP, 2,800 GPM At 80' Head, Wet Pit Submersible Pump	41,516.80	1,192.23
22 14 29 16-0026	EA	51-80 HP, 4,000 GPM At 60' Head, Wet Pit Submersible Pump	47,440.94	1,192.23
22 14 29 16-0027	EA	51-80 HP, 5,500 GPM At 43' Head, Wet Pit Submersible Pump	47,817.54	1,192.23
22 14 29 16-0028	EA	76-112 HP, 2,200 GPM At 105' Head, Wet Pit Submersible Pump	56,159.41	1,457.18
22 14 29 16-0029	EA	76-112 HP, 4,100 GPM At 70' Head, Wet Pit Submersible Pump	60,405.44	1,457.18
22 14 29 16-0030	EA	76-112 HP, 6,500 GPM At 50' Head, Wet Pit Submersible Pump	69,628.55	1,457.18
22 14 29 16-0031	EA	112-143 HP, 2,500 GPM At 120' Head, Wet Pit Submersible Pump	75,924.36	1,722.12
22 14 29 16-0032	EA	112-143 HP, 6,500 GPM At 65' Head, Wet Pit Submersible Pump	76,476.35	1,722.12
22 14 29 16-0033	EA	155-200 HP, 3,000 GPM At 150' Head, Wet Pit Submersible Pump	94,132.81	1,987.06
22 14 29 16-0034	EA	155-200 HP, 6,000 GPM At 110' Head, Wet Pit Submersible Pump	104,302.98	1,987.06
22 14 29 16-0035	EA	201-280 HP, 6,500 GPM At 130' Head, Wet Pit Submersible Pump	114,451.45	2,252.00
22 14 29 16-0036	EA	281-450 HP, 12,000 GPM At 110' Head, Wet Pit Submersible Pump	163,828.40	2,516.95
22 14 29 16-0037		8 Pole / 875 RPM *(22 14 29 16-0002)*		
22 14 29 16-0038	EA	To 20 HP, 2,300 GPM At 25' Head, Wet Pit Submersible Pump	11,572.40	662.36
22 14 29 16-0039	EA	21-30 HP, 2,500 GPM At 31' Head, Wet Pit Submersible Pump	13,296.72	927.29
22 14 29 16-0040	EA	31-50 HP, 4,700 GPM At 29' Head, Wet Pit Submersible Pump	19,042.38	1,192.23
22 14 29 16-0041	EA	51-117 HP, 6,500 GPM At 45' Head, Wet Pit Submersible Pump	36,380.29	1,457.18
22 14 29 16-0042	EA	118-175 HP, 9,000 GPM At 60' Head, Wet Pit Submersible Pump	45,993.54	1,722.12
22 14 29 16-0043	EA	176-210 HP, 14,000 GPM At 50' Head, Wet Pit Submersible Pump	62,673.42	1,987.06
22 14 29 16-0044	EA	211-250 HP, 14,000 GPM At 60' Head, Wet Pit Submersible Pump	66,916.22	2,252.00
22 14 29 16-0045		10 Pole / 700 RPM *(22 14 29 16-0002)*		
22 14 29 16-0046	EA	To 55 HP, 6,500 GPM At 25' Head Wet Pit Submersible Pump	31,514.03	927.29
22 14 29 16-0047	EA	56-76 HP, 7,000 GPM At 36' Head Wet Pit Submersible Pump	35,851.12	1,192.23
22 14 29 16-0048	EA	76-117 HP, 10,000 GPM At 30' Head Wet Pit Submersible Pump	53,849.94	1,457.18
22 14 29 16-0049	EA	118-150 HP, 11,500 GPM At 40' Head Wet Pit Submersible Pump	63,459.49	1,722.12
22 14 29 16-0050		Dry Pit Submersible Pumps, (KSB) Series KRT K-D *(22 14 29 16-0001)*		
		Note: Includes 33' (10m) of cord with pump.		
22 14 29 16-0051		4 Pole / 1,750 RPM *(22 14 29 16-0050)*		
22 14 29 16-0052	EA	To 35 HP, 800 GPM At 90' Head Dry Pit Submersible Pump	27,515.38	927.29
22 14 29 16-0053	EA	To 35 HP, 1,700 GPM At 50' Head Dry Pit Submersible Pump	30,376.83	927.29
22 14 29 16-0054	EA	36-50 HP, 1,300 GPM At 80' Head Dry Pit Submersible Pump	31,449.88	1,059.76
22 14 29 16-0055	EA	36-50 HP, 2,000 GPM At 66' Head Dry Pit Submersible Pump	36,393.73	1,059.76
22 14 29 16-0056	EA	51-75 HP, 1,600 GPM At 110' Head Dry Pit Submersible Pump	54,259.20	1,192.23
22 14 29 16-0057	EA	51-75 HP, 2,400 GPM At 80' Head Dry Pit Submersible Pump	55,263.48	1,192.23
22 14 29 16-0058	EA	76-110 HP, 1,900 GPM At 125' Head Dry Pit Submersible Pump	59,687.30	1,457.18
22 14 29 16-0059	EA	76-110 HP, 2,600 GPM At 110' Head Dry Pit Submersible Pump	59,923.60	1,457.18
22 14 29 16-0060	EA	110-150 HP, 3,000 GPM At 160' Head Dry Pit Submersible Pump	84,853.95	1,722.12
22 14 29 16-0061	EA	110-150 HP, 4,000 GPM At 100' Head Dry Pit Submersible Pump	98,251.10	1,722.12
22 14 29 16-0062		6 Pole / 1160 RPM *(22 14 29 16-0050)*		
22 14 29 16-0063	EA	To 35 HP, 1,300 GPM At 55' Head Dry Pit Submersible Pump	34,338.57	927.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0064	EA	To 35 HP, 1,800 GPM At 45' Head Dry Pit Submersible Pump	37,635.70	927.29
22 14 29 16-0065	EA	To 35 HP, 2,800 GPM At 35' Head Dry Pit Submersible Pump	46,460.06	927.29
22 14 29 16-0066	EA	36-50 HP, 2,000 GPM At 55' Head Dry Pit Submersible Pump	50,617.93	1,059.76
22 14 29 16-0067	EA	36-50 HP, 3,200 GPM At 50' Head Dry Pit Submersible Pump	58,050.33	1,059.76
22 14 29 16-0068	EA	51-75 HP, 2,500 GPM At 88' Head Dry Pit Submersible Pump	63,855.23	1,192.23
22 14 29 16-0069	EA	51-75 HP, 5,500 GPM At 45' Head Dry Pit Submersible Pump	78,003.74	1,192.23
22 14 29 16-0070	EA	76-112 HP, 3,100 GPM At 100' Head Dry Pit Submersible Pump	87,993.55	1,457.18
22 14 29 16-0071	EA	76-112 HP, 8,400 GPM At 55' Head Dry Pit Submersible Pump	96,867.76	1,457.18
22 14 29 16-0072	EA	112-154 HP, 3,300 GPM At 130' Head Dry Pit Submersible Pump	118,489.89	1,722.12
22 14 29 16-0073	EA	112-154 HP, 5,000 GPM At 80' Head Dry Pit Submersible Pump	143,257.17	1,722.12
22 14 29 16-0074	EA	154-200 HP, 3,700 GPM At 140' Head Dry Pit Submersible Pump	148,031.55	1,987.06
22 14 29 16-0075	EA	154-200 HP, 5,700 GPM At 100' Head Dry Pit Submersible Pump	152,277.58	1,987.06
22 14 29 16-0076	EA	201-300 HP, 6,500 GPM At 130' Head Dry Pit Submersible Pump	223,975.03	2,252.00
22 14 29 16-0077		**8 Pole / 875 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0078	EA	To 35 HP, 2,000 GPM At 45' Head, Dry Pit Submersible Pump	49,142.44	927.29
22 14 29 16-0079	EA	To 35 HP, 2,400 GPM At 32' Head, Dry Pit Submersible Pump	61,904.53	927.29
22 14 29 16-0080	EA	36-50 HP, 4,600 GPM At 30' Head, Dry Pit Submersible Pump	69,392.77	1,059.76
22 14 29 16-0081	EA	51-75 HP, 4,250 GPM At 51' Head, Dry Pit Submersible Pump	86,246.57	1,192.23
22 14 29 16-0082	EA	76-110 HP, 4,600 GPM At 70' Head, Dry Pit Submersible Pump	109,044.63	1,457.18
22 14 29 16-0083	EA	76-110 HP, 8,500 GPM At 40' Head, Dry Pit Submersible Pump	116,310.88	1,457.18
22 14 29 16-0084	EA	110-154 HP, 5,000 GPM At 75' Head, Dry Pit Submersible Pump	128,255.76	1,722.12
22 14 29 16-0085	EA	110-154 HP, 9,000 GPM At 55' Head, Dry Pit Submersible Pump	143,321.78	1,722.12
22 14 29 16-0086	EA	110-154 HP, 12,000 GPM At 32' Head, Dry Pit Submersible Pump	186,492.83	1,722.12
22 14 29 16-0087	EA	154-214 HP, 13,000 GPM At 50' Head, Dry Pit Submersible Pump	244,715.50	1,987.06
22 14 29 16-0088	EA	215-244 HP, 14,000 GPM At 55' Head, Dry Pit Submersible Pump	265,532.59	2,252.00
22 14 29 16-0089		**10 Pole / 700 RPM** *(22 14 29 16-0050)*		
22 14 29 16-0090	EA	To 55 HP, 3,600 GPM At 40' Head Dry Pit Submersible Pump	104,540.67	1,059.76
22 14 29 16-0091	EA	To 55 HP, 6,250 GPM At 28' Head Dry Pit Submersible Pump	111,566.92	1,059.76
22 14 29 16-0092	EA	56-75 HP, 4,000 GPM At 47' Head Dry Pit Submersible Pump	116,706.30	1,192.23
22 14 29 16-0093	EA	55-82 HP, 9,000 GPM At 37' Head Dry Pit Submersible Pump	121,580.93	1,192.23
22 14 29 16-0094	EA	76-110 HP, 10,500 GPM At 30' Head Dry Pit Submersible Pump	182,674.49	1,457.18
22 14 29 16-0095	EA	110-154 HP, 11,500 GPM At 40' Head Dry Pit Submersible Pump	201,054.87	1,722.12
22 14 29 16-0096	EA	154-214 HP, 13,000 GPM At 55' Head Dry Pit Submersible Pump	258,880.62	1,987.06
22 14 29 16-0097		**Submersible Sump Pump With Vortex Impeller** *(22 14 29 16)*		
22 14 29 16-0098		**Submersible Sump Pump With Cast Iron Vortex Impeller** *(22 14 29 16-0097)*		
22 14 29 16-0099	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	569.22	77.97
22 14 29 16-0100	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	632.27	77.97
22 14 29 16-0101	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,001.36	82.51
22 14 29 16-0102	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,101.13	82.51
22 14 29 16-0103		**Submersible Sump Pump With Bronze Vortex Impeller** *(22 14 29 16-0097)* Note: Includes 20' of cord with pump.		
22 14 29 16-0104	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,696.95	82.51
22 14 29 16-0105	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,847.29	82.51
22 14 29 16-0106	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,939.78	90.95
22 14 29 16-0107	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,100.51	90.95
22 14 29 16-0108	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,160.28	103.95
22 14 29 16-0109	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,318.24	103.95
22 14 29 16-0110	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,318.96	123.44
22 14 29 16-0111	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,456.13	123.44
22 14 29 16-0112		**Submersible Sump Pump With Semi-Open Impeller** *(22 14 29 16)* Note: Includes 20' of cord with pump.		
22 14 29 16-0113	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,324.55	77.97
22 14 29 16-0114	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,367.66	77.97
22 14 29 16-0115	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,708.08	82.51
22 14 29 16-0116	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,738.37	82.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0117	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,085.78	87.06
22 14 29 16-0118	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,085.78	87.06
22 14 29 16-0119	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,205.97	90.95
22 14 29 16-0120	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,205.97	90.95
22 14 29 16-0121	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,517.62	103.95
22 14 29 16-0122	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,517.62	103.95
22 14 29 16-0123	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,928.49	123.44
22 14 29 16-0124	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,876.05	123.44

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001 Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*

22 15 13 00-0002 Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0003	LF	3/4" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	9.86	2.60
22 15 13 00-0004	LF	1" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	12.37	2.86
22 15 13 00-0005	LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	16.77	3.64
22 15 13 00-0006	LF	2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	20.47	4.16
22 15 13 00-0007	LF	3" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	34.50	5.71

22 15 13 00-0008 Compression Fittings (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0009 Compression Union *(22 15 13 00-0008)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0010	EA	3/4" Diameter, FastPipe Compression Union Note: For compresed air system	30.83	3.64
22 15 13 00-0011	EA	1" Diameter, FastPipe Compression Union Note: For compresed air system	46.62	5.20
22 15 13 00-0012	EA	1-1/2" Diameter, FastPipe Compression Union Note: For compresed air system	73.47	7.27
22 15 13 00-0013	EA	2" Diameter, FastPipe Compression Union Note: For compresed air system	91.78	9.36
22 15 13 00-0014	EA	3" Diameter, FastPipe Compression Union Note: For compresed air system	177.88	14.55

22 15 13 00-0015 Compression 90 Degree Elbow *(22 15 13 00-0008)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0016	EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	32.82	3.64
22 15 13 00-0017	EA	1" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	48.69	5.20
22 15 13 00-0018	EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	75.66	7.27
22 15 13 00-0019	EA	2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	104.23	9.36
22 15 13 00-0020	EA	3" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	204.34	14.55

22 15 13 00-0021 Compression 45 Degree Elbow *(22 15 13 00-0008)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0022	EA	1" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	49.14	5.20
22 15 13 00-0023	EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	85.23	7.27
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	113.22	9.36

22 15 13 00-0025 Compression Tee *(22 15 13 00-0008)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee Note: For compresed air system	43.72	5.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee Note: For compresed air system	61.86	7.80
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compresed air system	117.46	10.92
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee Note: For compresed air system	145.88	14.04
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee Note: For compresed air system	281.62	21.83
22 15 13 00-0031		**Compression Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	59.77	7.01
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	105.91	9.10
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	110.15	9.88
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	134.21	11.18
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	137.94	11.95
22 15 13 00-0037		**Compression Reducing Union** *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	45.57	4.42
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	67.68	5.45
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	68.42	6.24
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	86.22	6.50
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	88.89	7.27
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	93.82	8.32
22 15 13 00-0044		**Compression x NPT 90 Degree Reducing Elbow** *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	66.19	7.54
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	70.05	8.57
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	78.38	8.32
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	80.30	9.36
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	82.90	10.39
22 15 13 00-0050		**Compression x NPT Reducing Tee** *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	76.02	9.36
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	78.49	10.39
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	90.48	10.92
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	92.63	11.95
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	95.55	12.99
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	131.07	14.04
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	133.67	15.07
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	146.00	16.11
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	148.59	17.15
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	106.08	3.64
22 15 13 00-0062	EA	1" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	135.78	5.20
22 15 13 00-0063	EA	1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	284.16	7.27
22 15 13 00-0064	EA	2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	411.70	9.36
22 15 13 00-0065	EA	3" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	664.74	14.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	89.06	8.57
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	91.78	9.36
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	32.40	6.76
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	61.70	18.19
22 15 13 00-0074	EA	3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	68.73	22.09
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	760.45	103.65
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	866.43	106.53
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,016.46	109.41
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,142.03	115.17
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,482.25	129.56
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,675.90	147.42
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,880.84	167.00
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,208.31	187.15
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,560.36	218.82
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,881.84	233.79
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,382.52	259.12
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,888.35	287.92
		For 230 Voltage, Add	*993.75*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,204.24	316.72
		For 230 Voltage, Add	*1,071.25*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,530.17	351.26
		For 230 Voltage, Add	*1,148.74*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,896.83	374.30
		For 230 Voltage, Add	*1,244.47*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,176.33	388.70
		For 230 Voltage, Add	*1,319.69*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,897.51	403.09
		For 230 Voltage, Add	*2,427.40*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	9,556.89	417.49
		For 230 Voltage, Add	*2,616.58*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,198.06	431.88
		For 230 Voltage, Add	*2,800.29*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,101.83	460.67
		For 230 Voltage, Add	*3,354.14*	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	13,740.74	575.84
		For 230 Voltage, Add	*3,776.72*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	19,509.65	691.01
		For 230 Voltage, Add	*5,438.29*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	26,456.18	806.17
		For 230 Voltage, Add	*7,453.15*	
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	29,626.75	921.35
		For 230 Voltage, Add	*8,335.22*	
22 15 13 00-0100		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	666.25	41.60
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	890.67	48.74
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,040.42	55.25
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,304.56	64.99
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,550.89	77.99
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,128.45	162.49
22 15 13 00-0107		**Heavy-Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	125.32	34.55
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	174.19	46.06
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	289.61	57.58
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	368.46	86.37
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	507.48	100.77
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	536.27	115.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0114		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	465.61	103.65
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	580.29	138.20
22 15 13 00-0117		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	2,551.44	103.65
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	3,064.20	115.17
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	3,097.87	126.68
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	3,538.20	143.96
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	4,864.50	172.75
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	4,826.19	230.33
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	6,474.54	287.92
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	6,885.71	345.51
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	7,885.82	403.09
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	9,054.47	460.67
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	9,738.70	518.26
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	11,886.95	575.84
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	13,223.47	691.01
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	15,286.34	806.17
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	17,634.85	921.35
22 15 13 00-0133		**Air-Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	660.62	71.98
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	888.43	86.37
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	978.00	100.77
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,192.17	115.17
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,649.46	129.56
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	1,851.49	143.96
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	3,546.18	172.75
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	3,714.99	201.54
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	3,882.58	230.33
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	4,549.19	259.12
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	4,975.10	287.92
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	5,700.04	316.72
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	7,295.36	345.51
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	8,336.97	374.30
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	8,614.88	403.09
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	9,237.73	431.88
22 15 13 00-0150		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0151		**Coalescing Filters, 1, 2 And 3 Stage Type** *(22 15 13 00-0150)*		
22 15 13 00-0152	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", DX	332.40	47.86
22 15 13 00-0153	EA	Coalescing Filters, Nylon Head And Bowl, A944, 1/4", BX	250.74	47.86
22 15 13 00-0154	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", DX	445.43	47.86
22 15 13 00-0155	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", BX	324.77	47.86
22 15 13 00-0156	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", DX	332.40	47.86
22 15 13 00-0157	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", BX	250.74	47.86
22 15 13 00-0158	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", DX	805.99	47.86
22 15 13 00-0159	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", BX	805.99	47.86
22 15 13 00-0160	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", CI	805.99	47.86
22 15 13 00-0161	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", DX	805.99	47.86
22 15 13 00-0162	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", BX	805.99	47.86
22 15 13 00-0163	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", CI	805.99	47.86
22 15 13 00-0164	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", DX	868.48	59.82
22 15 13 00-0165	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", BX	868.48	59.82
22 15 13 00-0166	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A917A, 1/2", CI	1,084.24	59.82
22 15 13 00-0167	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", DX	2,766.75	77.77
22 15 13 00-0168	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", BX	2,766.75	77.77
22 15 13 00-0169	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", CI	2,006.77	77.77
22 15 13 00-0170	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", DX	2,766.75	77.77
22 15 13 00-0171	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", BX	2,766.75	77.77
22 15 13 00-0172	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", CI	2,006.77	77.77
22 15 13 00-0173	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", DX	2,766.75	77.77
22 15 13 00-0174	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", BX	2,766.75	77.77
22 15 13 00-0175	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", CI	2,006.77	77.77
22 15 13 00-0176	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", DX	3,734.59	77.77
22 15 13 00-0177	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", BX	3,734.59	77.77
22 15 13 00-0178	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", CI	2,688.81	77.77
22 15 13 00-0179	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", DX	6,362.20	95.71
22 15 13 00-0180	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", BX	6,362.20	95.71
22 15 13 00-0181	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", CI	5,115.06	95.71
22 15 13 00-0182	EA	Coalescing Filters, AKCU-0280, 3", DX	10,576.89	143.58
22 15 13 00-0183	EA	Coalescing Filters, AKCU-0280, 3", BX	14,181.00	143.58
22 15 13 00-0184	EA	Coalescing Filters, AKCU-0280, 3", CI	22,484.13	143.58
22 15 13 00-0185	EA	Coalescing Filters, AKC-0280, 3", DX	10,684.62	197.42
22 15 13 00-0186	EA	Coalescing Filters, AKC-0280, 3", BX	14,288.73	197.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0187	EA	Coalescing Filters, AKC-0280, 3", CI	22,591.86	197.42
22 15 13 00-0188	EA	Coalescing Filters, AKH-0280, 3", DX	10,768.33	239.29
22 15 13 00-0189	EA	Coalescing Filters, AKH-0280, 3", BX	14,372.44	239.29
22 15 13 00-0190	EA	Coalescing Filters, AKH-0280, 3", CI	22,675.57	239.29
22 15 13 00-0191	EA	Coalescing Filters, AKC-0480, 4", DX	19,057.79	304.98
22 15 13 00-0192	EA	Coalescing Filters, AKC-0480, 4", BX	28,941.09	304.98
22 15 13 00-0193	EA	Coalescing Filters, AKC-0480, 4", CI	29,492.69	304.98
22 15 13 00-0194	EA	Coalescing Filters, AKH-0480, 4", DX	19,153.52	352.95
22 15 13 00-0195	EA	Coalescing Filters, AKH-0480, 4", BX	29,036.82	352.95
22 15 13 00-0196	EA	Coalescing Filters, AKH-0480, 4", CI	29,588.42	352.95
22 15 13 00-0197	EA	Coalescing Filters, AKC-0880, 6", DX	30,734.84	382.75
22 15 13 00-0198	EA	Coalescing Filters, AKC-0880, 6", BX	39,162.40	382.75
22 15 13 00-0199	EA	Coalescing Filters, AKC-0880, 6", CI	40,920.90	382.75
22 15 13 00-0200	EA	Coalescing Filters, AKH-0880, 6", DX	30,830.52	430.61
22 15 13 00-0201	EA	Coalescing Filters, AKH-0880, 6", BX	39,258.08	430.61
22 15 13 00-0202	EA	Coalescing Filters, AKH-0880, 6", CI	41,016.58	430.61
22 15 13 00-0203	EA	Coalescing Filters, AKC-1480, 8", DX	49,155.47	508.13
22 15 13 00-0204	EA	Coalescing Filters, AKC-1480, 8", BX	75,951.95	508.13
22 15 13 00-0205	EA	Coalescing Filters, AKC-1480, 8", CI	78,465.29	508.13
22 15 13 00-0206	EA	Coalescing Filters, AKH-1480, 8", DX	49,203.57	532.18
22 15 13 00-0207	EA	Coalescing Filters, AKH-1480, 8", BX	76,000.05	532.18
22 15 13 00-0208	EA	Coalescing Filters, AKH-1480, 8", CI	78,513.39	532.18
22 15 13 00-0209	EA	Coalescing Filters, AKC-2280, 10", DX	67,312.74	628.38
22 15 13 00-0210	EA	Coalescing Filters, AKC-2280, 10", BX	98,663.09	628.38
22 15 13 00-0211	EA	Coalescing Filters, AKC-2280, 10", CI	103,241.84	628.38
22 15 13 00-0212	EA	Coalescing Filters, AKH-2280, 10", DX	67,466.87	705.43
22 15 13 00-0213	EA	Coalescing Filters, AKH-2280, 10", BX	98,817.22	705.43
22 15 13 00-0214	EA	Coalescing Filters, AKH-2280, 10", CI	103,395.97	705.43
22 15 13 00-0215		1.0 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0150)*		
22 15 13 00-0216	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	236.45	42.24
22 15 13 00-0217	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	279.00	42.24
22 15 13 00-0218	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	305.66	48.74
22 15 13 00-0219	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	351.87	55.89
22 15 13 00-0220	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	409.16	61.75
22 15 13 00-0221	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	465.54	74.74
22 15 13 00-0222	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	556.39	81.24
22 15 13 00-0223	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	608.28	97.49
22 15 13 00-0224	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	782.69	129.99
22 15 13 00-0225	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	894.20	146.23
22 15 13 00-0226		0.01 Micron Filter Rated Compressed Air Coalescing Filters *(22 15 13 00-0150)*		
22 15 13 00-0227	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	285.07	42.24
22 15 13 00-0228	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	310.20	48.74
22 15 13 00-0229	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	356.13	55.89
22 15 13 00-0230	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	417.67	55.25
22 15 13 00-0231	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	475.26	74.74
22 15 13 00-0232	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	537.81	81.24
22 15 13 00-0233	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	619.22	97.49
22 15 13 00-0234	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	800.92	129.99
22 15 13 00-0235	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	918.51	146.23
22 15 13 00-0236		Compressed Air Storage Tanks *(22 15 13)*		
22 15 13 00-0237		Horizontal Compressed Air Storage Tanks *(22 15 13 00-0236)*		
22 15 13 00-0238	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	397.00	92.14
22 15 13 00-0239	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	1,034.50	100.77
22 15 13 00-0240	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,096.93	105.95
22 15 13 00-0241	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,256.43	115.17
22 15 13 00-0242	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,634.84	155.48
22 15 13 00-0243	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,989.03	172.75
22 15 13 00-0244	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	3,043.05	201.54
22 15 13 00-0245	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,610.37	230.33
22 15 13 00-0246	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	5,152.49	244.73
22 15 13 00-0247	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,546.34	259.12
22 15 13 00-0248	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,982.69	302.32
22 15 13 00-0249	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	14,437.61	359.90
22 15 13 00-0250		Vertical Compressed Air Storage Tanks *(22 15 13 00-0236)*		
22 15 13 00-0251	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	965.17	92.14
22 15 13 00-0252	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	1,008.47	100.77
22 15 13 00-0253	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,096.93	105.95
22 15 13 00-0254	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,307.97	115.17
22 15 13 00-0255	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,789.45	155.48
22 15 13 00-0256	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	2,063.49	172.75
22 15 13 00-0257	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,881.15	201.54
22 15 13 00-0258	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,276.67	230.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0259	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,727.15	244.73
22 15 13 00-0260	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,505.16	259.12
22 15 13 00-0261	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	8,366.78	302.32
22 15 13 00-0262	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,975.31	331.11
22 15 13 00-0263	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	18,422.96	374.30

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,045.86	408.62
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,207.96	471.61
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,793.92	556.96
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,470.11	614.54
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	6,735.18	649.09
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	7,205.45	672.12
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	8,085.63	768.17
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,676.80	814.24
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	10,434.30	921.81

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	7,762.96	718.19
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	8,302.14	844.99
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	8,661.38	921.81
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	9,813.78	1,229.07
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	10,621.36	1,229.07
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	11,310.74	1,536.35
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	12,043.20	1,536.35
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	15,462.48	1,900.27
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	16,558.71	1,957.86
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	17,895.67	2,288.16
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	27,348.30	2,590.14
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	29,315.17	2,926.77
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	32,688.10	3,234.73
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	35,549.60	3,545.11

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*

Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	13,346.80	1,037.30
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	14,787.02	1,383.07
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	18,980.54	1,734.04
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	21,837.65	2,209.79
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,975.64	2,599.75
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	30,404.94	2,924.72
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	33,291.29	3,249.70
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	40,193.05	3,639.65
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	44,230.25	3,899.63
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	49,733.64	4,202.51
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	65,127.08	4,549.58
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	72,375.82	4,809.54
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	117,360.23	5,199.51
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	146,835.03	5,621.97
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	170,799.87	6,050.93
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	222,914.73	6,499.39
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	253,485.26	6,915.35

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	16,616.29	1,383.07
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	17,698.08	1,383.07
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	19,840.71	1,734.04

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0023		EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,023.91	1,734.04
22 15 19 19-0024		EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	22,310.93	2,209.79
22 15 19 19-0025		EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	23,561.74	2,209.79
22 15 19 19-0026		EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	25,366.28	2,599.75
22 15 19 19-0027		EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	26,718.52	2,599.75
22 15 19 19-0028		EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	44,648.45	2,924.72
22 15 19 19-0029		EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	48,041.89	3,249.70
22 15 19 19-0030		EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	51,097.30	3,639.65

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0104 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,452.87	329.03
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,699.66	343.98
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	6,156.35	358.94
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	7,100.46	373.89
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,571.13	388.85

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	8,215.60	358.94
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,641.98	373.89
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	9,114.98	388.85
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,852.01	403.80
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	12,073.63	418.76
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,727.16	433.72

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,536.61	373.89
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,993.28	388.85
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,734.97	403.80
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,956.59	418.76
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,754.71	433.72
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,780.48	448.67
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	29,010.52	463.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	30,471.23	433.72
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	35,221.34	448.67
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	39,395.40	463.62
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	49,637.62	478.58
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	54,975.43	493.54
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,594.80	560.84
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	21,509.55	583.27
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	24,513.85	605.71
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,813.87	628.14
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	32,772.97	650.57
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	43,484.91	673.01
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	51,216.41	695.44
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	56,010.12	650.57
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	64,371.28	673.01
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	72,361.65	695.44
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	92,133.84	717.87
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	102,890.09	740.31
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	7,148.51	493.54
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,627.15	515.98
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,327.34	538.40
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	10,023.34	560.84
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	11,099.01	583.27
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	14,141.29	538.40
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,913.78	560.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	16,059.40	583.27
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	18,403.72	605.71
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,783.04	628.14
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	26,068.16	650.57

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001 Commercial Water Filters Housings *(22 32 16)*

22 32 16 00-0002 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0003 Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*

22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,812.87	211.23
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,866.36	227.48
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	3,050.45	243.72
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,379.12	259.98
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,479.24	276.22
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,225.36	292.48
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,967.82	308.72
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,928.97	324.97
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,697.50	341.22
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,635.34	357.47

22 32 16 00-0014 Commercial Water Filter Cartridges *(22 32 16 00-0002)*

22 32 16 00-0015 (Depth) Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.95	2.60
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.95	2.60
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.95	2.60
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.61	2.60
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.53	2.60
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.53	2.60
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.69	2.60
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.78	2.60
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.69	2.60
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	18.61	2.60
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	18.61	2.60
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	18.61	2.60
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	20.36	2.60
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	26.77	2.60
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	24.44	2.60
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	24.44	2.60
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	26.77	2.60

22 32 16 00-0033 Pleated Water Filter Cartridges *(22 32 16 00-0014)*

22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	25.02	2.60
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	25.02	2.60
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	25.61	2.60
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	27.36	2.60
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	41.35	2.60
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	39.60	2.60
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	39.60	2.60
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	39.60	2.60
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	52.43	2.60
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	74.58	2.60
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	62.34	2.60
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	86.82	2.60
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	90.32	2.60
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	101.98	2.60

22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*

22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,210.18	194.98
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	731.65	2.60
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	151.54	2.60
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	150.37	2.60
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	150.37	2.60
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	172.53	2.60
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	401.66	2.60
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	377.17	2.60
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	410.99	2.60
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	430.81	2.60
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	458.80	2.60
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	497.28	2.60
22 32 19		**Domestic-Water Off-Floor Cartridge Filters** *(22 32)*		
22 32 19 00-0001		Water Filter Purifier *(22 32 19)*		
22 32 19 00-0002	EA	Drinking Water Filter/Purifier Rated At 1.5 GPM, (3) 0.5 Micron Carbon Block Elements And Mounting Bracket (Filtrine Manufacturing TM2-0.5)	1,054.16	
22 33		**Electric Domestic Water Heaters** *(22 30)*		
22 33 13		**Instantaneous Electric Domestic Water Heaters** *(22 33)*		
22 33 13 13		**Flow-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 13-0001		Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*		
22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	659.07	64.97
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	653.78	64.97
22 33 13 16		**Thermostat-Control, Instantaneous Electric Domestic Water Heaters** *(22 33 13)*		
22 33 13 16-0001		Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)* Note: Temperature rise decreases with increased flow rate.		
22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	870.71	97.45
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	827.78	129.94
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,401.51	227.40
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,129.23	259.88
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,791.50	129.94
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,440.84	194.91
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,671.12	259.88
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,777.36	259.88
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,877.70	259.88
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	3,025.25	259.88
22 33 13 16-0012	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Bosch 425HN LP)	2,687.35	259.88
22 33 13 16-0013	EA	4.25 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Bosch GWH425EFL)	3,208.22	259.88
22 33 30		**Residential, Electric Domestic Water Heaters** *(22 33)*		
22 33 30 13		**Residential, Small-Capacity Electric Domestic Water Heaters** *(22 33 30)*		
22 33 30 13-0001		Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)* Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,188.25	204.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,473.92	217.65
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,753.11	227.40

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,880.04	227.40
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,759.62	233.90
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,727.16	240.40
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,938.99	243.64
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,863.35	250.13
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,915.31	259.88
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,909.16	276.12

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	2,025.79	227.40
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,921.93	233.90
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	2,038.80	240.40

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	2,092.19	233.90
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,292.00	240.40
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,840.46	250.13
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	3,093.69	259.88

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	162.49	12.99
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	192.94	12.99
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	381.09	12.99
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	513.51	12.99
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	80.56	9.75
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	87.92	9.75
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	92.83	9.75
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	110.00	9.75
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	43.65	9.75
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	47.57	9.75
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	53.09	9.75
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	60.19	9.75

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters *(22 33 30)*

22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,863.79	259.88
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,845.34	276.12

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,752.37	227.40
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,985.86	227.40
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,225.02	259.88
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,893.40	259.88
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,764.56	324.85
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,450.40	389.83
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,722.28	584.73

22 33 33 00-0009 Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	11,016.93	227.40
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,461.66	227.40
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,943.45	227.40
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	12,008.43	259.88
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,564.34	259.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,453.80	259.88
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,046.78	259.88
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,528.57	259.88
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,047.42	259.88
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,120.26	259.88
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,639.11	259.88
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,232.08	259.88
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,713.87	259.88
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,232.72	259.88
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,049.98	259.88
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,250.84	324.85
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,732.63	324.85
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,325.60	324.85
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,844.45	324.85
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,698.78	324.85
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,477.69	324.85
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,219.55	324.85
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,456.17	389.83
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,937.96	389.83
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,419.75	389.83
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,938.61	389.83
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,904.11	389.83
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,683.03	389.83
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,424.89	389.83
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,575.05	389.83
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,983.37	389.83
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,875.39	389.83
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,175.73	389.83
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,775.12	389.83
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,420.86	519.77
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,976.77	519.77
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,495.62	519.77
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,940.35	519.77
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,868.80	519.77
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,647.72	519.77
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,352.51	519.77
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,576.80	519.77
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,948.05	519.77
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,877.14	519.77
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,214.54	519.77
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,776.86	519.77
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,589.14	584.73
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,108.00	584.73
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,552.72	584.73
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,518.23	584.73
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,111.84	584.73
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,964.88	584.73
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,189.17	584.73
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,597.48	584.73
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,230.08	584.73
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,826.91	584.73
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,389.24	584.73
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,165.10	649.71
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,758.07	649.71
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,612.39	649.71
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,391.31	649.71
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,133.17	649.71
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,283.34	649.71
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,728.71	649.71
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,583.67	649.71
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,884.01	649.71
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,520.46	649.71
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,759.18	779.64
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,278.03	779.64
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,132.35	779.64
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,837.15	779.64
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,653.13	779.64
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,803.29	779.64
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,137.48	779.64
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,140.69	779.64
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,478.09	779.64
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	59,003.35	779.64

22 33 33 00-0087 Water Heater Accessories *(22 33 33)*

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	52.63
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	76.95

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0090		Removal And Reinstallation Of Water Heater *(22 33 33)*		
		Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	433.14	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,299.41	
22 33 36		**Commercial Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	43,679.97	864.17
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	45,832.18	864.17
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	47,984.40	864.17
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,136.61	864.17
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,441.04	864.17
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,745.47	864.17
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	62,189.02	864.17
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	46,531.98	1,015.40
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	48,700.76	1,015.40
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	50,869.53	1,015.40
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	53,038.30	1,015.40
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	57,375.83	1,015.40
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	61,713.38	1,015.40
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,183.42	1,015.40
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	70,388.45	1,015.40
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	48,319.39	1,155.82
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,456.89	1,155.82
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,594.39	1,155.82
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,731.89	1,155.82
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	59,006.89	1,155.82
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	63,281.89	1,155.82
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	67,556.89	1,155.82
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,686.89	1,155.82
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	77,816.88	1,155.82
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	53,300.59	1,328.66
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	55,451.77	1,328.66
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	57,602.96	1,328.66
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	61,905.32	1,328.66
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	66,207.68	1,328.66
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	69,649.56	1,328.66
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	76,246.52	1,328.66
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	81,409.35	1,328.66
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	83,990.77	1,328.66
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	86,572.18	1,328.66
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	89,153.60	1,328.66
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	59,164.71	1,566.31
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	61,180.59	1,566.31
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	63,196.47	1,566.31
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	67,228.23	1,566.31
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	71,259.99	1,566.31
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	74,485.40	1,566.31
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	79,323.51	1,566.31
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	84,161.63	1,566.31
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	86,580.68	1,566.31
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	88,999.74	1,566.31
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	91,418.80	1,566.31
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	95,047.38	1,566.31
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	64,877.58	1,728.33
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	67,368.25	1,728.33
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	69,858.92	1,728.33
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	74,840.25	1,728.33
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	79,821.59	1,728.33
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	83,806.66	1,728.33
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	89,784.27	1,728.33
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	95,761.87	1,728.33
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	98,750.67	1,728.33
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	101,739.47	1,728.33
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	104,728.28	1,728.33
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	110,705.88	1,728.33
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	113,694.68	1,728.33
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	75,739.63	1,944.38
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	78,393.99	1,944.38
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	81,048.34	1,944.38
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	86,357.06	1,944.38
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	91,665.78	1,944.38
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	95,912.75	1,944.38
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	102,283.21	1,944.38
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	108,653.67	1,944.38
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	111,838.90	1,944.38
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	115,024.13	1,944.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	118,209.36	1,944.38
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	124,579.82	1,944.38
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	127,765.05	1,944.38
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	134,135.51	1,944.38
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	140,505.96	1,944.38
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	88,919.45	2,160.42
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	92,005.61	2,160.42
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	95,091.78	2,160.42
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	101,264.09	2,160.42
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	107,436.42	2,160.42
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	112,374.28	2,160.42
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	118,744.74	2,160.42
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	126,151.52	2,160.42
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	129,854.92	2,160.42
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	133,558.31	2,160.42
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	137,261.71	2,160.42
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,704.82	2,160.42
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	153,111.60	2,160.42
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,815.00	2,160.42
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	164,221.79	2,160.42
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	102,535.23	2,884.17
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	108,824.30	2,884.17
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	115,113.37	2,884.17
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	120,144.62	2,884.17
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	127,691.51	2,884.17
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	135,238.39	2,884.17
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	139,011.84	2,884.17
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	142,785.29	2,884.17
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	146,558.72	2,884.17
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	154,105.61	2,884.17
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,652.50	2,884.17
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	165,425.93	2,884.17
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	172,972.83	2,884.17
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	120,053.87	3,705.13
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	125,438.45	3,705.13
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	130,823.02	3,705.13
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	135,130.69	3,705.13
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	141,592.18	3,705.13
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	148,053.67	3,705.13
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	151,284.41	3,705.13
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	154,515.16	3,705.13
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	157,745.90	3,705.13
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,207.39	3,705.13
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	170,668.88	3,705.13
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	173,899.62	3,705.13
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	180,361.11	3,705.13
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	133,210.24	4,320.85
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	138,158.11	4,320.85
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	143,105.98	4,320.85
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	147,064.28	4,320.85
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	153,001.73	4,320.85
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	158,939.18	4,320.85
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	161,907.90	4,320.85
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	164,876.63	4,320.85
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	167,845.36	4,320.85
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	173,782.80	4,320.85
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	179,720.25	4,320.85
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	182,688.97	4,320.85
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	188,626.43	4,320.85
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	194,563.87	4,320.85
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	146,162.38	5,185.01
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	150,942.78	5,185.01
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	155,723.18	5,185.01
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	159,547.50	5,185.01
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	165,283.98	5,185.01
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	171,020.46	5,185.01
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	173,888.70	5,185.01
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	176,756.94	5,185.01
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	179,625.18	5,185.01
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	185,361.67	5,185.01
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	191,098.15	5,185.01
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	193,966.39	5,185.01
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	199,702.87	5,185.01
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	205,439.35	5,185.01

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 13 00-0002		Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)* Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,667.14	259.88
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,898.59	263.13
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	3,197.91	269.62
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,762.75	276.12
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,597.24	292.37
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,699.50	292.37
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,892.10	259.88
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,597.24	292.37
22 34 30		**Residential Gas Domestic Water Heaters** *(22 34)*		
22 34 30 13		**Residential, Atmospheric, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,960.90	250.13
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,918.72	256.63
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,603.67	263.13
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,827.84	269.62
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	3,100.36	276.12
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,661.97	292.37
22 34 30 13-0008		Atmospheric, Gas Domestic Water Heaters *(22 34 30 13)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0009	EA	40 Gallon, 40 MBH, Tall, 67% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GCF-40)	2,531.58	256.63
22 34 30 13-0010	EA	50 Gallon, 40 MBH, Tall, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCF-50)	2,768.84	263.13
22 34 30 13-0011	EA	40 Gallon, 40 MBH, Short, 67% Efficient, Energy Star, Gas Fired Domestic Water Heater (A. O. Smith GCFL-40)	2,464.30	256.63
22 34 30 13-0012	EA	40 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-40)	2,576.44	256.63
22 34 30 13-0013	EA	50 Gallon, 40 MBH, 70% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GAHH-50)	2,589.43	263.13
22 34 30 13-0014	EA	100 Gallon, 100 MBH, 96% Efficient, Gas Fired Domestic Water Heater (A. O. Smith GDHE-50)	5,157.69	194.91
22 34 30 16		**Residential, Direct-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,719.23	256.63
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	4,259.24	263.13
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	5,587.77	269.62
22 34 30 19		**Residential, Power-Vent, Gas Domestic Water Heaters** *(22 34 30)*		
22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	3,363.28	256.63
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,506.12	263.13
22 34 36		**Commercial Gas Domestic Water Heaters** *(22 34)*		
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	6,540.78	389.83
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	8,222.28	454.79
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	8,577.83	519.77
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,546.26	519.77
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	8,742.61	519.77
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	10,847.79	571.75
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,677.97	584.73
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	11,698.36	643.21
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,252.93	584.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	11,253.30	643.21
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,288.97	714.68
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	12,344.59	786.14
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	10,460.68	714.68
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	12,417.74	786.14
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,690.96	779.64
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	13,695.66	857.61
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,209.63	779.64
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	16,128.86	857.61
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	15,938.86	844.62
22 34 36 13-0021	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,679.31	324.85
22 34 36 13-0022	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,996.11	324.85

22 34 36 13-0023 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0024	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	590.64	
22 34 36 13-0025	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,561.79	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	3,834.23	389.83
22 34 36 19-0003	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	5,185.58	389.83
22 34 36 19-0004	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,275.36	389.83
22 34 36 19-0005	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	9,222.12	428.80
22 34 36 19-0006	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	9,747.65	454.79
22 34 36 19-0007	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	11,927.62	500.27
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	9,731.29	519.77
22 34 36 19-0009	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	12,189.90	571.75
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	11,316.53	584.73
22 34 36 19-0011	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	13,283.02	643.21
22 34 36 19-0012	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	14,773.94	786.14
22 34 36 19-0013	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	16,174.29	857.61
22 34 36 19-0014	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	17,728.63	929.08

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	100,596.92	1,728.33
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	121,717.83	1,836.36
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	147,991.81	1,944.38
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	177,010.68	2,052.41
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	185,533.22	2,160.42

22 34 36 23-0007 Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*

22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,439.92	957.63
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,490.97	1,077.34
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,610.92	1,316.75
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,820.68	1,436.45
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	25,085.57	1,675.85
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,695.02	1,915.26
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,693.51	2,154.67
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,918.52	2,394.08
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	39,341.95	2,513.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	42,214.76	2,633.48

22 34 36 23-0018 Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)*

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	21,908.80	718.10
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	25,479.64	957.63
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	33,401.19	1,077.34
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	41,954.01	1,316.75
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	49,601.64	1,436.45
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	56,109.54	1,556.15
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	67,408.51	1,675.85
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	74,723.71	1,795.56
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	98,397.66	1,915.26
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	132,288.94	2,513.78
		For Skid Mounting, Add	*950.00*	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	38,878.41	1,819.50
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	54,923.20	2,011.02
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	59,598.00	2,106.79
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	64,550.94	2,298.31

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	34,475.01	1,819.50
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	38,085.88	2,011.02
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	41,637.53	2,106.79
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	45,238.29	2,298.31

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,848.17	861.87
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,734.20	957.63
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,432.15	1,149.15
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,127.02	1,197.04
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,766.18	1,436.45
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,911.15	1,723.74
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,908.77	1,819.50
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,610.20	1,963.15
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,139.71	2,058.91
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	32,349.13	2,106.79

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	25,152.44	1,436.45
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	27,742.83	1,723.74
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,206.22	1,963.15
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	34,231.17	2,058.91
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	35,804.50	2,106.79

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	30,250.83	1,723.74
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,534.20	1,963.15
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	38,781.97	2,106.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 11		**Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 11-0001		Oil-Fired Domestic Water Heaters *(22 34 46 11)*		
		Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	4,044.77	200.11
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,995.41	200.11
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	4,153.99	200.11
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,355.96	205.31
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,431.13	210.50
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,646.98	210.50
22 34 46 11-0008		Oil-Fired Commercial Water Heaters *(22 34 46 11)*		
		Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	6,173.51	311.86
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	7,205.90	311.86
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	7,245.61	311.86
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	10,135.72	415.81
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	14,254.38	519.77
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	17,740.56	571.75
22 34 46 13		**Large-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 13-0001		Commercial Oil-Fired Domestic Water Heaters *(22 34 46 13)*		
22 34 46 13-0002	EA	140 Gallon, 140 MBH, 134 GPH, Glass Lined, Commercial Oil-Fired Water Heater	29,217.54	760.74
22 34 46 13-0003	EA	140 Gallon, 199 MBH, 191 GPH, Glass Lined, Commercial Oil-Fired Water Heater	30,189.16	810.16
22 34 46 13-0004	EA	140 Gallon, 255 MBH, 247 GPH, Glass Lined, Commercial Oil-Fired Water Heater	31,467.01	1,012.70
22 34 46 13-0005	EA	140 Gallon, 270 MBH, 259 GPH, Glass Lined, Commercial Oil-Fired Water Heater	39,124.34	1,350.26
22 34 46 13-0006	EA	160 Gallon, 400 MBH, 385 GPH, Glass Lined, Commercial Oil-Fired Water Heater	40,595.40	1,620.32
22 34 46 13-0007	EA	160 Gallon, 540 MBH, 519 GPH, Glass Lined, Commercial Oil-Fired Water Heater	42,359.75	1,687.83
22 34 46 13-0008	EA	160 Gallon, 720 MBH, 691 GPH, Glass Lined, Commercial Oil-Fired Water Heater	43,320.98	1,761.15
22 34 46 13-0009	EA	200 Gallon, 300 MBH, 288 GPH, Glass Lined, Commercial Oil-Fired Water Heater	56,281.82	1,841.36
22 34 46 13-0010	EA	200 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	60,207.77	1,884.16
22 34 46 13-0011	EA	200 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	62,718.81	1,975.98
22 34 46 13-0012	EA	200 Gallon, 1,000 MBH, 960, Glass Lined, Commercial Oil-Fired Water Heater	64,370.37	1,928.99
22 34 46 13-0013	EA	240 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	65,078.61	1,992.18
22 34 46 13-0014	EA	240 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	70,521.45	2,095.34
22 34 46 13-0015	EA	300 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	65,730.40	2,027.15
22 34 46 13-0016	EA	300 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	68,520.88	2,113.16
22 34 46 13-0017	EA	300 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	70,015.07	2,133.01
22 34 46 13-0018	EA	300 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	71,385.10	2,236.17
22 34 46 13-0019	EA	300 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	76,304.68	2,368.50
22 34 46 13-0020	EA	400 Gallon, 600 MBH, 576 GPH, Glass Lined, Commercial Oil-Fired Water Heater	71,253.04	2,170.14
22 34 46 13-0021	EA	400 Gallon, 800 MBH, 768 GPH, Glass Lined, Commercial Oil-Fired Water Heater	74,322.83	2,250.49
22 34 46 13-0022	EA	400 Gallon, 1,000 MBH, 960 GPH, Glass Lined, Commercial Oil-Fired Water Heater	75,659.77	2,337.04
22 34 46 13-0023	EA	400 Gallon, 1,250 MBH, 1,200 GPH, Glass Lined, Commercial Oil-Fired Water Heater	77,691.45	2,480.16
22 34 46 13-0024	EA	400 Gallon, 1,500 MBH, 1,441 GPH, Glass Lined, Commercial Oil-Fired Water Heater	82,087.92	2,641.80
22 34 46 13-0025	EA	400 Gallon, 1,750 MBH, 1,681 GPH, Glass Lined, Commercial Oil-Fired Water Heater	84,783.94	2,826.11
22 34 46 13-0026	EA	400 Gallon, 2,000 MBH, 1,921 GPH, Glass Lined, Commercial Oil-Fired Water Heater	91,459.88	2,963.97
22 34 46 13-0027	EA	400 Gallon, 2,250 MBH, 2,161 GPH, Glass Lined, Commercial Oil-Fired Water Heater	94,837.26	3,197.96
22 34 46 13-0028	EA	400 Gallon, 2,500 MBH, 2,401 GPH, Glass Lined, Commercial Oil-Fired Water Heater	98,214.51	3,432.10
22 35		**Domestic Water Heat Exchangers** *(22 30)*		
22 35 23		**Circulating, Domestic Water Heat Exchangers** *(22 35)*		
22 35 23 13		**Circulating, Compact Domestic Water Heat Exchangers** *(22 35 23)*		
22 35 23 13-0001		Steam Driven Water Heaters *(22 35 23 13)*		
22 35 23 13-0002		Constant Flow *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,818.36	649.71
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,513.49	796.15
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,912.71	1,041.22
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,773.68	1,450.27
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	21,841.26	2,388.58
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	23,820.67	2,707.06
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	31,186.87	3,123.52
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	37,513.52	3,691.50
22 35 23 13-0011		Variable Flow *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	10,320.16	1,266.92
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,715.34	1,546.95
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	14,949.06	2,000.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	19,632.63	2,790.87
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	29,382.08	4,667.48
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	35,667.34	5,140.09
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	41,326.79	6,015.75
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	52,260.90	7,187.04

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 13 Residential Water Closets, Urinals, and Bidets *(22 41)*

22 41 13 13 Residential Water Closets *(22 41 13)*

22 41 13 13-0001 Residential Toilets *(22 41 13 13)*

See CSI section 22 42 13 13-0001 for additional water closets.

22 41 13 13-0002	EA	2 Piece Tank Type, Gravity Flush System, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler Wellworth® K-3978)	627.02	124.43
		Note: Includes seat, wax ring, escutcheon, supply valve and line.		
22 41 13 13-0003	EA	2 Piece Tank Type, Gravity Flush System, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler Highline® K-3999)	641.55	124.43
		Note: Includes seat, wax ring, escutcheon, supply valve and line.		
22 41 13 13-0004	EA	Round Front Toilet Seat, White (Kohler K-4716-T)	74.36	20.27

22 41 16 Residential Lavatories and Sinks *(22 41)*

22 41 16 13 Residential Lavatories *(22 41 16)*

22 41 16 13-0001 Residential Wall Hung Lavatory *(22 41 16 13)*

See CSI section 22 42 16 13-0002 for wall hung lavatories.

22 41 16 13-0002 Residential Culture Marble Lavatory Vanity Top *(22 41 16 13)*

Note: Includes splash. Single sink, center or offset. Bowl is either oval, shell shape or rectangular. See CSI section 22 42 16 13-0030 for vanity top.

22 41 16 16 Residential Sinks *(22 41 16)*

22 41 16 16-0001 Residential Kitchen Sinks *(22 41 16 16)*

Note: Includes strainer.

22 41 16 16-0002	EA	25" x 22" x 6" Stainless Steel Kitchen Sink, Single Bowl, 22 Gauge (Elkay K125224)	713.21	112.46
22 41 16 16-0003	EA	33" x 21" x 6-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay D233213)	823.28	128.03

22 41 19 Residential Bathtubs *(22 41)*

22 41 19 00-0001 Residential Bathtubs *(22 41 19)*

See CSI section 22 42 19 00-0001 for additional tubs.

22 41 19 00-0002	EA	5' Bathtub, American Standard Princeton Series	1,228.97	332.61

22 41 26 Residential Disposers *(22 41)*

22 41 26 00-0001 Disposals *(22 41 26)*

22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	277.12	71.93
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	315.75	71.93
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	412.31	71.93
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	508.88	71.93

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001 Residential Kitchen Faucets *(22 41 39)*

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	255.35	59.82
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	298.09	59.82
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	298.09	59.82
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	286.29	59.82
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	309.25	59.82
22 41 39 00-0007	EA	Kitchen Faucet, Polished Chrome (Kohler K-15251-B)	221.98	59.82
22 41 39 00-0008	EA	Kitchen Faucet, Polished Chrome (Kohler K-15171-P)	276.55	59.82
22 41 39 00-0009	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Standard Handles (Delta 2100LF)	215.82	59.82

22 41 39 00-0010 Residential Lavatory Faucets *(22 41 39)*

22 41 39 00-0011	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	237.15	43.07
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0012	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	237.15	43.07
		For Faucet With Brass Pop-Up, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0013	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	166.84	43.07
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	
22 41 39 00-0014	EA	Chrome, Two Handle, Lavatory Faucet, (Kohler K-15243-4RA-CP)	170.01	43.07
22 41 39 00-0015	EA	Chrome, Two Handle, Lavatory Faucet (Delta 2522LF-MPU)	207.95	43.07
22 41 39 00-0016	EA	Chrome, Single Handle, Lavatory Faucet (Kohler K-15198-4RA-CP)	184.86	43.07
22 41 39 00-0017		**Residential Bath And Shower Faucets** *(22 41 39)*		
22 41 39 00-0018	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	310.16	51.93
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0019	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	368.63	51.93
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0020	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	284.67	51.93
		For Faucet With Polished Nickel Or Brass Finish, Add	*14.00*	
		For Faucet With Lever Handles, Add	*17.75*	
22 41 39 00-0021	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	316.15	51.93
		For Faucet With Polished Nickel Or Brass Finish, Add	*14.00*	
		For Faucet With Lever Handles, Add	*17.75*	
22 41 39 00-0022	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	357.33	32.49
22 41 39 00-0023	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	294.71	32.49
22 41 39 00-0024	EA	Pressure Balancing Shower Valve (Kohler K-304-K)	237.91	56.39
22 41 39 00-0025	EA	Pressure Balancing Shower Valve (Symmons BP-46-2-X)	260.47	56.39
22 41 39 00-0026	EA	Pressure Balancing Shower Valve (Moen 62370)	212.11	56.39
22 41 39 00-0027	EA	Shower And Tub Control Set, Single Control With Balancing Valve (Moen L2363)	257.83	56.39
22 41 39 00-0028	EA	Shower And Tub Control Set, 2 Knobs With Balancing Valve (Pfister LG07-3120)	199.31	56.39
22 41 39 00-0029	EA	Shower And Tub Control Set, 3 Knobs With Balancing Valve (Pfister LG01-3120)	234.93	56.39
22 41 39 00-0030	EA	Single Control Trim Kit (Symmons BP-46-2-LR-MRO-TRM)	115.83	56.39
22 41 39 00-0031	EA	Single Control Trim Kit (Symmons BP-46-2-STK-TRM)	109.74	56.39
22 41 39 00-0032	EA	Brass Shower Head (EZ Flo 15013 Or 15015)	39.72	12.99
22 41 39 00-0033	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	332.70	32.49
22 41 39 00-0034		**Residential Laundry Faucets** *(22 41 39)*		
22 41 39 00-0035	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	202.79	38.20
22 41 39 00-0036		**Residential Laundry/Wash Basin Faucets** *(22 41 39)*		
22 41 39 00-0037	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	204.55	38.20
22 41 39 00-0038	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	296.90	42.10
22 41 39 00-0039		**Residential Washer Box** *(22 41 39)*		
22 41 39 00-0040	EA	Washer Box With Supply Lines And Valve	282.21	97.52
22 41 39 00-0041		**Supply Lines and Shut-off Valves** *(22 41 39)*		
		See CSI section 22 42 39 00-0202 for supply lines and shut-off valves.		
22 41 39 00-0042	EA	16" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	19.39	8.12
22 41 39 00-0043	EA	20" Long, 3/8" Compression x 1/2" FIP Lav/Sink Connector, Polymer Braid, Supply Line	22.46	8.12
22 41 39 00-0044		**Other Residential Faucets** *(22 41 39)*		
22 41 39 00-0045	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	46.59	9.75
22 41 39 00-0046		**Residential Fixture Components And/or Trim Replacement** *(22 41 39)*		
		See CSI section 22 01 40 81-0001 for fixture trim accessories.		
22 41 39 00-0047	EA	Elongated Toilet Seat, White (Kohler K-4712-T)	74.36	20.27
22 41 39 00-0048	EA	Removal And Replacement Of Vitreous China Toilet Tank And Lid	207.14	
22 41 39 00-0049	EA	Removal And Replacement Of Ball Cock Assembly	88.36	
22 41 39 00-0050	EA	Removal And Replacement Of Wax Ring Seal Note: Excludes removal of toilet	14.08	
22 41 39 00-0051	EA	Aerator, 2.2 GPM, Polished Chrome Vandal Resistant Spray, Non-Aerated (Kohler K-18034)	35.74	6.50
22 41 39 00-0052	EA	Aerator, Polished Chrome Vandal Resistant, 2.2 GPM (Kohler K-18033)	30.69	6.50
22 41 39 00-0053	EA	Aerator, NEOPERL 1.5 GPM, Chrome Plated	15.30	6.50
22 41 39 00-0054	EA	Aerator, NEOPERL 2.2 GPM, Chrome Plated	15.30	6.50

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0002		**Floor Mounted Elongated Vitreous China Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	672.47	124.43
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	810.58	124.43
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	1,008.97	124.43
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	850.51	124.43
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	951.36	124.43
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	963.76	124.43
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	648.10	124.43
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	729.36	124.43
22 42 13 13-0011		**Wall Hung Elongated Vitreous China Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	762.92	153.15
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	976.99	153.15
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,233.80	153.15
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	773.84	153.15
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,556.89	153.15
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	859.20	153.15
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	826.89	153.15
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	952.23	153.15
22 42 13 13-0020		**Floor Mounted Elongated Handicapped Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	652.87	124.43
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	719.39	124.43
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	900.16	124.43
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	873.15	124.43
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	898.75	124.43
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,115.56	124.43
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	873.40	124.43
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	770.68	124.43
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	834.74	124.43
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	936.52	124.43
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	791.58	124.43
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	775.32	124.43
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5667-BWL)	845.89	124.43
22 42 13 13-0034		**Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat. Excludes flush valve.		
22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	702.64	124.43
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	691.96	124.43
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	766.70	124.43
22 42 13 13-0038		**Floor Mounted Round Bowl Vitreous China Water Closets** *(22 42 13 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	790.79	124.43
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	767.78	124.43
22 42 13 13-0041		**Floor Mounted Elongated Handicapped Water Closets With Flush Valve** *(22 42 13 13-0001)* Note: Includes wax seal and toilet seat.		
22 42 13 13-0042	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet With Selectronic® Exposed AC Flush Valve (American Standard Madera™ ADA)	1,146.19	124.43
22 42 13 13-0043		**Stainless Steel Water Closets** *(22 42 13 13)*		
22 42 13 13-0044	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,635.06	269.21
22 42 13 13-0045	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,386.99	269.21
22 42 13 13-0046	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Murdock 1001R/1002R)	2,530.23	269.21
22 42 13 13-0047		**Water Closet Carriers** *(22 42 13 13)*		
22 42 13 13-0048		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0047)* Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0049	EA	Pipe Grip Adaptor Type, Water Closet Carrier	753.82	63.17
22 42 13 13-0050		**No-Hub, Water Closet Carriers** *(22 42 13 13-0047)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0051	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,192.49	63.17
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.79*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0052	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,192.49	63.17
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.79*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0053	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,306.57	63.17
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.79*	
		For Horizontal No Hub Cast Long Barrel, Add	*306.76*	
		For Carrier For Wide Chase Installations, Add	*396.48*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,452.79	63.17
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*234.46*	
		For Auxiliary Inlet, Add	*293.79*	
		For Carrier For Wide Chase Installations, Add	*396.48*	
		For Double 4" Branches, Add	*470.52*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0055	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,994.03	92.72
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.73*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0056	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,051.89	92.72
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.73*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0057	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,513.04	92.72
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*243.44*	
		For Auxiliary Inlet, Add	*311.73*	
		For Double 4" Branches, Add	*488.46*	
		For Carrier For Wide Chase Installations, Add	*846.80*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0058	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,362.00	92.72
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*315.74*	
		For Carrier For Wide Chase Installations, Add	*846.80*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0059 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0047)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,114.89	63.17
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*293.79*	
22 42 13 13-0061	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,192.49	63.17
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*293.79*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0062	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,507.42	63.17
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*234.46*	
		For Auxiliary Inlet, Add	*293.79*	
		For Carrier For Wide Chase Installations, Add	*396.48*	
		For Double 4" Branches, Add	*470.52*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0063	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,861.25	92.72
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.73*	
		For Hanger Type Closet Adapter, Add	*459.55*	
22 42 13 13-0064	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,567.68	92.72
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*243.44*	
		For Auxiliary Inlet, Add	*311.73*	
		For Double 4" Branches, Add	*488.46*	
		For Carrier For Wide Chase Installations, Add	*846.80*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0065 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers *(22 42 13 13-0047)*

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 13-0066	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	911.29	63.17
		For Positioning Frame, Add	*67.42*	
		For Supply Pipe Support, Add	*69.03*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	

22 42 13 13-0067 Institutional Water Closet Carriers *(22 42 13 13-0047)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.

22 42 13 13-0068	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,313.26	92.72
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*143.81*	
		For Supply Pipe Support, Add	*147.04*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*311.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0069		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0070	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	549.35	
22 42 13 13-0071	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	549.35	
22 42 13 13-0072	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	423.05	
22 42 13 13-0073	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	423.05	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		Vitreous China Urinals *(22 42 13 16)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		Wall Hung Urinals *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	682.37	128.03
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	818.54	128.03
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	775.72	128.03
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	859.49	128.03
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	814.44	128.03
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	653.52	128.03
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	874.01	128.03
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	784.01	128.03
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	770.93	128.03
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	701.03	128.03
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	750.57	128.03
22 42 13 16-0014		Floor Mounted Urinals *(22 42 13 16-0001)*		
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,213.47	161.52
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,324.90	161.52
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	368.82	29.92
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	419.14	29.92
22 42 13 16-0019		Waterfree Urinals *(22 42 13 16-0001)*		
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	738.37	89.74
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	900.04	89.74
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-68.51*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	853.76	89.74
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-63.23*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	693.53	89.74
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.96*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	693.53	89.74
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-44.96*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	925.16	89.74
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-71.37*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,125.44	89.74
		For >1, Deduct	*-94.20*	
22 42 13 16-0027		Stainless Steel Urinals *(22 42 13 16)*		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,679.95	269.21
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,419.91	329.03
22 42 13 16-0030		Urinal Carriers *(22 42 13 16)*		
22 42 13 16-0031		Floor Mounted, Urinal Carriers *(22 42 13 16-0030)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	623.49	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	725.28	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0034		Wall Mounted, Urinal Carriers *(22 42 13 16-0030)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	283.40	45.47
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0036		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	545.06	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		Lavatories *(22 42 16 13)* Note: Includes trap, drain and supply valves. Excludes faucets.		
22 42 16 13-0002		Wall Hung Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	589.33	80.16
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	616.14	80.16
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	766.28	80.16
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	540.45	80.16
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	465.56	80.16
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	588.89	80.16
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	694.18	80.16
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	553.07	80.16
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	487.64	80.16
22 42 16 13-0012		Countertop Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	565.01	96.91
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	577.28	96.91
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	611.45	96.91
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	647.87	96.91
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	851.13	104.69
22 42 16 13-0018		Undermount Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	521.98	96.91
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	496.07	96.91
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	496.07	96.91
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	527.66	96.91
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	511.51	96.91
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	506.74	96.91
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	511.60	96.91
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	618.88	96.91
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	618.88	96.91
22 42 16 13-0028		Pedestal Lavatories *(22 42 16 13-0001)*		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	719.73	230.32
22 42 16 13-0030		Cultured Marble Vanity Tops *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	402.48	89.74
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	462.67	95.71
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	571.73	101.70
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	810.93	107.68
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	438.01	89.74
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	472.67	95.71
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	630.83	101.70
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	693.72	104.69
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	785.93	107.68
22 42 16 13-0040		Quartz Vanity Tops *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	817.92	89.74
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	854.97	95.71
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	986.31	101.70
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	994.01	104.69
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,086.71	107.68
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,461.65	113.66
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,729.13	119.63
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	48.23	
22 42 16 13-0049		Solid Surface Vanity Tops *(22 42 16 13-0001)* Note: Includes predrilled holes for faucet.		
22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	682.73	89.74
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	769.80	95.71
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	868.45	101.70
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	958.23	104.69
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,040.34	107.68
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,148.44	110.67
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,280.98	113.66
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,313.81	113.66
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,420.15	119.63
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	71.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0060		**Solid Surface Multi-Station Lavatory Systems** *(22 42 16 13-0001)*		
		Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	7,189.52	166.58
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,554.95	166.58
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	482.05	55.53
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	599.35	55.53
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,196.76	55.53
22 42 16 13-0066		**Stainless Steel Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,531.45	209.38
22 42 16 13-0068	EA	18" x 18" Chase Mounted Barrier-Free Lavatory, Stainless Steel (Bradley LAV6101)	1,876.91	209.38
22 42 16 13-0069		**Solid Surface Lavatory Vanity** *(22 42 16 13-0001)*		
		Note: Includes splash.		
22 42 16 13-0070	EA	19" x 25" Solid Surface (Corian) Vanity Top With Single Bowl (820) And Backsplash (DuPont Corian Series 100)	630.28	89.74
22 42 16 13-0071	EA	19" x 31" Solid Surface (Corian) Vanity Top With Single Bowl (820) And Backsplash (DuPont Corian Series 100)	729.16	95.71
22 42 16 13-0072	EA	19" x 37" Solid Surface (Corian) Vanity Top With Single Bowl (820) And Backsplash (DuPont Corian Series 100)	814.28	101.70
22 42 16 13-0073	EA	22" x 25" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	717.20	89.74
22 42 16 13-0074	EA	22" x 31" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	802.31	95.71
22 42 16 13-0075	EA	22" x 37" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	887.42	101.70
22 42 16 13-0076	EA	22" x 43" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	966.54	104.69
22 42 16 13-0077	EA	22" x 49" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	1,060.51	107.68
22 42 16 13-0078	EA	22" x 61" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	1,230.73	119.65
22 42 16 13-0079	EA	22" x 73" Solid Surface (Corian) Vanity Top With Single Bowl (810) And Backsplash (DuPont Corian Series 100)	1,641.06	125.63
22 42 16 13-0080	EA	22" x 61" Solid Surface (Corian) Vanity Top With Double Bowls (810) And Backsplash (DuPont Corian Series 100)	1,593.55	119.65
22 42 16 13-0081	EA	22" x 73" Solid Surface (Corian) Vanity Top With Double Bowls (810) And Backsplash (DuPont Corian Series 100)	1,898.10	125.63
22 42 16 13-0082		**3-In-1 Solid Surface Lavatory System** *(22 42 16 13-0001)*		
		Note: Includes infrared, high speed, dual-sided hand dryer at each hand washing station; large capacity, top-fill, infrared soap dispenser, with low level indicator and one-of-a-kind overfill protection; and hygienic hands-free infrared, .38gpm faucet.		
22 42 16 13-0083	EA	1 Station Solid Surface Lavatory, 3-in-1 Sink; Single Soap, Sink and Dryer System (Bradley Advocate AV30)	6,080.17	287.15
		Note: Includes infrared, high speed, dual-sided hand dryer at each hand washing station; large capacity, top-fill, infrared soap dispenser, with low level indicator and one-of-a-kind overfill protection; and hygienic hands-free infrared, .38gpm faucet.		
22 42 16 13-0084	EA	2 Station Solid Surface Lavatory, 3-in-1 Sink; Double Soap, Sink and Dryer System (Bradley Advocate AV60)	11,801.42	358.94
22 42 16 13-0085	EA	3 Station Solid Surface Lavatory, 3-in-1 Sink; Triple Soap, Sink and Dryer System (Bradley Advocate AV90)	17,522.65	430.72
22 42 16 13-0086		**Quartz Surface Lavatory** *(22 42 16 13-0001)*		
22 42 16 13-0087	EA	1 Station Lavatory Sink, Quartz Surface Evero® (Bradley Verge LVRD1)	3,690.85	95.71
22 42 16 13-0088	EA	2 Station Lavatory Sink, Quartz Surface Evero® (Bradley Verge LVRD2)	7,259.94	119.65
22 42 16 13-0089	EA	3 Station Lavatory Sink, Quartz Surface Evero® (Bradley Verge LVRD3)	10,731.63	143.58
22 42 16 13-0090		**Solid Surface Lavatory** *(22 42 16 13-0001)*		
22 42 16 13-0091	EA	30" x 22" Solid Surface Countertop With 13" x 16" Oval Bowl (Bradley OmniDeck™ LD-3010-1)	1,136.58	95.71
22 42 16 13-0092	EA	60" x 22" Solid Surface Countertop With Two 13" x 16" Oval Bowls (Bradley OmniDeck™ LD-3010-2)	2,074.07	119.65
22 42 16 13-0093	EA	90" x 22" Solid Surface Countertop With Three 13" x 16" Oval Bowls (Bradley OmniDeck™ LD-3010-3)	3,040.12	143.58
22 42 16 13-0094	EA	120" x 22" Solid Surface Countertop With Four 13" x 16" Oval Bowls (Bradley OmniDeck™ LD-3010-4)	4,007.75	167.50
22 42 16 13-0095		**Lavatory Carriers** *(22 42 16 13)*		
22 42 16 13-0096		**Floor Mounted, Lavatory Carriers** *(22 42 16 13-0095)*		
22 42 16 13-0097		**Floor Mounted Plate Type, Lavatory Carriers** *(22 42 16 13-0096)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0098	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	623.49	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*116.71*	
		For Corner Carrier, Add	*227.01*	
22 42 16 13-0099	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	725.28	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*116.71*	
22 42 16 13-0100	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	832.94	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*233.42*	
22 42 16 13-0101	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	956.67	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*233.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0102		Floor Mounted, Lavatory Carriers With Arms *(22 42 16 13-0096)*		
		Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0103	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	803.06	53.84
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*119.10*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0104	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,152.53	53.84
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*119.10*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0105	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,074.31	53.84
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*238.20*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	
22 42 16 13-0106	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,716.53	53.84
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*238.20*	
		For Heavy-Duty Carrier, Add	*234.59*	
22 42 16 13-0107		Wall Mounted, Lavatory Carriers *(22 42 16 13-0095)*		
22 42 16 13-0108		Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0107)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0109	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	283.40	45.47
		For Double Plate Carrier, Add	*88.30*	
22 42 16 13-0110		Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0107)*		
		Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0111	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	482.48	53.84
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0112	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	572.47	53.84
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0113	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	850.45	53.84
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 13-0114		Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0115	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	351.90	
22 42 16 16		**Commercial Sinks** *(22 42 16)*		
22 42 16 16-0001		Sinks *(22 42 16 16)*		
		Note: Includes drain, trap and supply valves. Excludes faucets.		
22 42 16 16-0002		Kitchen Sinks *(22 42 16 16-0001)*		
22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	788.25	112.46
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	1,044.98	128.03
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	1,029.39	110.08
		For 18 Gauge, Add	*464.58*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	1,057.96	110.08
		For 18 Gauge, Add	*487.43*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	1,122.24	110.08
		For 18 Gauge, Add	*538.86*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,179.45	112.46
		For 18 Gauge, Add	*573.14*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,506.08	128.03
		For 18 Gauge, Add	*797.90*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,552.06	128.03
		For 18 Gauge, Add	*834.34*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,492.48	110.08
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,524.62	110.08
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,605.57	110.08
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,713.97	112.46
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	2,088.22	128.03
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	2,008.01	128.03
22 42 16 16-0017		Undermount Kitchen Sinks *(22 42 16 16-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,357.54	110.08
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,317.48	110.08
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,369.45	110.08
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,450.40	110.08
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99) Note: Available in 4-1/2", 5, or 5-1/2" depths.	1,399.21	110.08
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,606.69	110.08
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,916.89	110.08
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	1,069.29	110.08
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,435.42	110.08
22 42 16 16-0027		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)* Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,167.42	194.43
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,891.23	209.38
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	3,323.22	224.33
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,797.54	149.56
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,112.15	164.51
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,420.37	179.47
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	3,800.09	201.90
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	3,722.98	329.03
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	718.91	128.03
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	832.50	128.03
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	716.69	128.03
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,118.14	128.03
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,602.64	143.58
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	275.36	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,292.85	192.63
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,354.80	192.63
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,557.23	254.84
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	604.58	179.47
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	703.48	179.47
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	780.82	215.36
22 42 16 16-0051	EA	24" Bumper Guard (Fiat E-77AA-24)	52.51	5.98
22 42 16 16-0052	EA	36" Bumper Guard (Fiat E-77AA-36)	54.53	5.98
22 42 16 16-0053	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	678.85	179.47
22 42 16 16-0054	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	772.76	215.36
22 42 16 16-0055	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,057.31	179.47
22 42 16 16-0056	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,304.98	215.36
22 42 16 16-0057	EA	25" x 23" x 10" Stainless Steel Floor Sink (Just Manufacturing Co. C-2523)	2,115.40	179.47
22 42 16 16-0058	EA	21" x 18" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESS2118C & LK 173)	4,945.67	192.63
22 42 16 16-0059	EA	21" x 18" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESSB2118C & LK 173)	5,056.77	192.63
22 42 16 16-0060	EA	21" x 18" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESSW2118C & LK 173)	5,032.96	192.63
22 42 16 16-0061	EA	23" x 19" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESS2319C & LK 173)	4,965.51	192.63
22 42 16 16-0062	EA	23" x 19" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESSB2319C & LK 173)	5,076.61	192.63

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22 42 16 16-0063	EA	23" x 19" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESSW2319C & LK 173)	5,052.80	192.63
22 42 16 16-0064	EA	25" x 20" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESS2520C & LK 173)	5,167.87	192.63
22 42 16 16-0065	EA	25" x 20" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESSB2520C & LK 173)	5,278.97	192.63
22 42 16 16-0066	EA	25" x 20" Stainless Steel Service Sink With Full Length 12" High Back Splash, Trap Standard (Elkay ESSW2520C & LK 173)	5,255.16	192.63
22 42 16 16-0067		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0068	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,247.10	110.08
22 42 16 16-0069	SF	Soapstone Sink Backsplash	202.31	
22 42 16 16-0070	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,590.42	128.03
22 42 16 16-0071	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,862.95	128.03
22 42 16 16-0072		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0073	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,657.06	299.11
22 42 16 16-0074		**Classroom Sinks** *(22 42 16 16-0001)* Note: Includes drain, trap and supply valves.		
22 42 16 16-0075	EA	25" x 17" x 6-1/2", 20 Gauge Stainless Steel, Top Mounting Type, 15-34" x 14" x 6-3/8" Deep Single Bowl, Drop-In Classroom ADA Sink (Elkay CDKAD2517654) Note: Includes single manual handle faucet, gooseneck faucet and basket strainer (LKD208513LC, LK1141A, LK35)	1,096.88	110.08
22 42 16 16-0076		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0077		**Floor Mounted, Sink Carriers** *(22 42 16 16-0076)* Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0078	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	912.53	45.47
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*116.71*	
22 42 16 16-0079	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,528.69	45.47
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*269.38*	
22 42 16 16-0080	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,920.78	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0081		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 16-0082	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	482.44	
22 42 19		**Commercial Bathtubs** *(22 42)*		
22 42 19 00-0001		**Recessed Alcove Bathtubs** *(22 42 19)*		
22 42 19 00-0002		**Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	2,377.19	332.61
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,713.67	332.61
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,745.57	332.61
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,702.41	332.61
22 42 19 00-0007		**Porcelain Enameled Steel, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	784.71	332.61
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	946.16	332.61
22 42 19 00-0010		**Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,356.43	332.61
22 42 19 00-0012		**Acrylic, Recessed Alcove Bathtubs** *(22 42 19 00-0001)*		
22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,383.04	332.61
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,661.53	332.61
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,688.05	332.61
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,667.98	332.61
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,701.31	332.61
22 42 19 00-0018		**Bathtub Refinishing** *(22 42 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	695.30	
22 42 19 00-0020		Tub And Shower Combinations *(22 42 19)*		
22 42 19 00-0021		Acrylic Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH)	921.02	119.94
		For 2 Piece Enclosure, Deduct	*-208.27*	
22 42 19 00-0023		Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*		
22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	1,118.21	119.94
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	1,101.94	119.94
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,619.10	181.03
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,546.00	403.58
		For 2 Piece Enclosure, Deduct	*-539.77*	
22 42 23		**Commercial Showers** *(22 42)*		
22 42 23 00-0001		Shower Enclosures *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,704.05	192.98
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,850.50	192.98
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,787.81	192.98
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	3,066.07	192.98
22 42 23 00-0007		Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,771.70	192.98
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	3,036.78	192.98
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,354.86	192.98
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,867.45	192.98
22 42 23 00-0012		High-gloss Acrylic-capped Acrylonitrile Butadiene Styrene (ABS) With Fiberglass Reinforcement Shower Enclosure *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 70" Single Opening Plastic Shower Enclosure (American Standard 2950SWT32.011)	676.49	192.98
22 42 23 00-0014		Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down *(22 42 23 00-0001)*		
22 42 23 00-0015	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,014.74	192.98
22 42 23 00-0016	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,046.15	192.98
22 42 23 00-0017	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,090.37	192.98
22 42 23 00-0018	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,187.80	192.98
22 42 23 00-0019	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,198.69	192.98
22 42 23 00-0020		1 Piece Shower Units *(22 42 23)*		
22 42 23 00-0021	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3232CS)	1,045.51	119.94
22 42 23 00-0022	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Swan VP3636CS)	1,078.84	119.94
22 42 23 00-0023	EA	32" x 32" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 13232P-WH)	998.01	119.94
22 42 23 00-0024	EA	36" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 1363CTC-WH)	1,030.03	119.94
22 42 23 00-0025	EA	42" x 36" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 1423C-WH)	1,060.03	119.94
22 42 23 00-0026	EA	60" x 35" x 73", 1 Piece, Fiberglass Shower With Drain (Aquatic 1603CTGN-WH)	1,137.80	119.94
22 42 23 00-0027		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0028		Acrylic Shower Receptors *(22 42 23 00-0027)*		
22 42 23 00-0029	EA	32" x 32" Acrylic Shower Receptor	414.33	48.73
22 42 23 00-0030	EA	36" x 36" Acrylic Shower Receptor	651.08	48.73
22 42 23 00-0031	EA	42" x 42" Acrylic Shower Receptor	691.83	48.73
22 42 23 00-0032	EA	48" x 48" Acrylic Shower Receptor	773.21	48.73
22 42 23 00-0033	EA	60" x 60" Acrylic Shower Receptor	941.36	58.48
22 42 23 00-0034	EA	48" x 32" Acrylic Shower Receptor	653.00	48.73
22 42 23 00-0035	EA	48" x 36" Acrylic Shower Receptor	706.59	48.73
22 42 23 00-0036	EA	48" x 42" Acrylic Shower Receptor	806.30	48.73
22 42 23 00-0037	EA	60" x 30" Acrylic Shower Receptor	1,182.74	132.80
22 42 23 00-0038	EA	60" x 32" Acrylic Shower Receptor	890.64	58.48
22 42 23 00-0039	EA	60" x 36" Acrylic Shower Receptor	897.54	58.48
22 42 23 00-0040	EA	60" x 42" Acrylic Shower Receptor	903.87	58.48
22 42 23 00-0041	EA	60" x 48" Acrylic Shower Receptor	1,002.94	58.48
22 42 23 00-0042	EA	36" x 36" Acrylic Corner Shower Receptor	977.74	48.73
22 42 23 00-0043	EA	42" x 42" Acrylic Corner Shower Receptor	1,131.55	48.73
22 42 23 00-0044	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,724.42	126.16
22 42 23 00-0045		Molded Stone Shower Receptors *(22 42 23 00-0027)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0046	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	325.51	48.73
22 42 23 00-0047	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	340.41	48.73
22 42 23 00-0048	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	342.07	48.73
22 42 23 00-0049	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	415.74	48.73
22 42 23 00-0050	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	371.04	48.73
22 42 23 00-0051	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	391.74	48.73
22 42 23 00-0052	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	394.22	48.73
22 42 23 00-0053	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	457.33	58.48
22 42 23 00-0054	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	473.06	58.48
22 42 23 00-0055	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	375.18	48.73
22 42 23 00-0056	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	384.29	48.73

22 42 23 00-0057 Precast Terrazzo Shower Receptors *(22 42 23 00-0027)*

22 42 23 00-0058	EA	30" x 30" Precast Terrazzo Shower Receptor	595.38	48.73
22 42 23 00-0059	EA	32" x 32" Precast Terrazzo Shower Receptor	617.73	48.73
22 42 23 00-0060	EA	34" x 34" Precast Terrazzo Shower Receptor	638.43	48.73
22 42 23 00-0061	EA	36" x 36" Precast Terrazzo Shower Receptor	640.91	48.73
22 42 23 00-0062	EA	40" x 40" Precast Terrazzo Shower Receptor	699.69	48.73
22 42 23 00-0063	EA	42" x 42" Precast Terrazzo Shower Receptor	729.49	48.73
22 42 23 00-0064	EA	48" x 48" Precast Terrazzo Shower Receptor	1,017.57	48.73
22 42 23 00-0065	EA	36" x 32" Precast Terrazzo Shower Receptor	633.46	48.73
22 42 23 00-0066	EA	42" x 32" Precast Terrazzo Shower Receptor	645.33	48.73
22 42 23 00-0067	EA	42" x 34" Precast Terrazzo Shower Receptor	666.57	48.73
22 42 23 00-0068	EA	42" x 36" Precast Terrazzo Shower Receptor	693.06	48.73
22 42 23 00-0069	EA	32" x 48" Precast Terrazzo Shower Receptor	695.55	48.73
22 42 23 00-0070	EA	48" x 34" Precast Terrazzo Shower Receptor	729.49	48.73
22 42 23 00-0071	EA	54" x 32" Precast Terrazzo Shower Receptor	763.43	48.73
22 42 23 00-0072	EA	60" x 30" Precast Terrazzo Shower Receptor	1,029.05	58.48
22 42 23 00-0073	EA	60" x 32" Precast Terrazzo Shower Receptor	1,122.98	58.48
22 42 23 00-0074	EA	60" x 34" Precast Terrazzo Shower Receptor	1,127.59	58.48
22 42 23 00-0075	EA	60" x 36" Precast Terrazzo Shower Receptor	1,132.17	58.48
22 42 23 00-0076	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	644.22	48.73
22 42 23 00-0077	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	645.33	48.73
22 42 23 00-0078	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	647.53	48.73
22 42 23 00-0079	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	772.53	48.73
22 42 23 00-0080	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,389.26	48.73
22 42 23 00-0081	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,548.40	58.48
22 42 23 00-0082	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,612.97	58.48

22 42 23 00-0083 Shower Receptors Accessories *(22 42 23 00-0027)*

22 42 23 00-0084	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.19	

22 42 23 00-0085 Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0086	EA	Removal And Reinstallation Of Shower Head	58.48	

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	10,470.35	194.35
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	5,743.68	194.35
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	9,964.33	194.35
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	13,351.87	222.11
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	6,627.27	222.11
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	11,939.68	222.11
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0008		**Semi-Circular Wash Fountain, Deep Bowl** *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	9,136.16	166.58
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	5,244.44	166.58
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	7,554.36	166.58
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	11,213.32	194.35
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	6,328.50	194.35
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	8,986.66	194.35
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 39		**Commercial Faucets, Supplies, and Trim** *(22 42)*		
22 42 39 00-0001		**Kitchen Faucets** *(22 42 39)*		
22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	277.17	59.82
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	316.36	59.82
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	313.33	59.82
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	347.34	59.82
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	256.47	59.82
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	284.07	59.82
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	377.10	59.82
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	260.36	59.82
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	249.91	59.82
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	300.99	59.82
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	537.59	59.82
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	592.45	59.82
22 42 39 00-0014	EA	Top Cast Kitchen Faucet, Two Handle (Zurn Z-871CA)	503.24	59.82
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	554.15	64.97
22 42 39 00-0016	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	551.48	64.97
22 42 39 00-0017	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	403.88	64.97
22 42 39 00-0018	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	975.39	59.82
22 42 39 00-0019	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	1,241.58	59.82
22 42 39 00-0020	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,330.31	59.82
22 42 39 00-0021	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	975.39	59.82
22 42 39 00-0022	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	1,241.58	59.82
22 42 39 00-0023	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,330.31	59.82
22 42 39 00-0024	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Symmons S-2302-PD-1.5)	526.70	59.82
22 42 39 00-0025		**Lavatory Faucets** *(22 42 39)*		
22 42 39 00-0026	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	363.63	43.07
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	250.31	43.07
22 42 39 00-0028	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	312.30	43.07
22 42 39 00-0029	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	343.21	43.07
22 42 39 00-0030	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	423.06	43.07
22 42 39 00-0031	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	505.94	43.07
22 42 39 00-0032	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	298.96	43.07
22 42 39 00-0033	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	458.59	43.07
22 42 39 00-0034	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	328.62	43.07
22 42 39 00-0035	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	336.39	43.07
22 42 39 00-0036	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	407.61	43.07
22 42 39 00-0037	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	399.19	43.07
22 42 39 00-0038	EA	Single Control Lavatory Faucet With Traditional Spout, Polished Chrome Finish (American Standard 7415.101)	394.12	43.07
22 42 39 00-0039	EA	Single Control Monoblock Lavatory Faucet, Polished Chrome Finish (American Standard 7430.101)	562.04	43.07
22 42 39 00-0040	EA	Single Control Lavatory Faucet, Polished Chrome Finish (Symmons SLS-3512-1.5)	427.53	43.07
22 42 39 00-0041	EA	Single Control Lavatory Faucet, Brushed Nickel Finish (Symmons SLS-3512-1.5-STN)	482.50	43.07
22 42 39 00-0042	EA	Single Supply EcoPower® Faucet, Polished Chrome Finish (Toto TEL3LS10#CP)	1,259.85	43.07
22 42 39 00-0043	EA	Single Supply EcoPower® Faucet, Brushed Nickel Finish (Toto TEL3LS10#BN)	1,557.83	43.07
22 42 39 00-0044	EA	Single Supply Thermal Mixing EcoPower® Faucet, Polished Nickel Finish (Toto TEL5LS10#PN)	1,558.68	43.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0045	EA	Deck Mounted Sink Faucet Without Side Spray (Chicago Faucet 201-AGN8AE35-317AB)	512.88	43.07
22 42 39 00-0046	EA	Single Control Centerset Chrome Faucet Without Pop-Up Drain (American Standard SEVA™ 1480.100)	306.74	43.07
22 42 39 00-0047	EA	Single Control Centerset Chrome Faucet With Pop-Up Drain (American Standard SEVA™ 1480.101)	357.62	43.07
22 42 39 00-0048	EA	Single Hole, Chrome Plated Gooseneck Sink Faucet With Dual Beam Infared (Chicago 116.429.AB.1)	1,070.82	43.07
22 42 39 00-0049	EA	Single Control Side Mounted Polished Chrome Gooseneck Faucet With lever Handle (Zurn Z824B0-XL)	527.32	43.07
22 42 39 00-0050	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	324.90	43.07
22 42 39 00-0051	EA	8" Widespread, Chrome, Two Wrist Blade Handle Bar/Pantry Gooseneck Lavatory Faucet (Moen 8248)	470.09	43.07
22 42 39 00-0052	EA	4", Chrome, Two Wrist Blade Handle Bar Gooseneck Lavatory Faucet (Moen 8938)	275.89	43.07
22 42 39 00-0053	EA	Two Hole, Chrome, Single Handle Lavatory Faucet (Moen 8420)	326.20	43.07
22 42 39 00-0054	EA	Single Hole, Chrome, Single Handle Lavatory Faucet (Moen 8417)	430.85	43.07
22 42 39 00-0055	EA	8" Widespread, Chrome, Two Wrist Blade Handle Lavatory Gooseneck Lavatory Faucet With Drain Assembly (Moen 8246)	535.66	43.07

22 42 39 00-0056 Bath And Shower Faucets *(22 42 39)*

22 42 39 00-0057 Bath And Shower Faucets With Valve Body *(22 42 39 00-0056)*

22 42 39 00-0058	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	319.15	51.93
22 42 39 00-0059	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	377.62	51.93
22 42 39 00-0060	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	415.11	51.93
22 42 39 00-0061	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	293.67	51.93
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0062	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	308.66	51.93
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0063	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	352.14	51.93
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0064	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	401.61	51.93
		For Faucet With Metal Cross Handles, Add	*45.75*	

22 42 39 00-0065 Bath And Shower Faucets Trim Without Valve Body *(22 42 39 00-0056)*

22 42 39 00-0066	EA	Single Lever Handle, Chrome Bath/Shower Only Trim Kit With FloWise Showerhead (American Standard T420.502) Note: Excludes valve	272.75	31.71
22 42 39 00-0067	EA	Single Lever Handle, Chrome Shower Only Trim Kit With FloWise Showerhead (American Standard T420.501) Note: Excludes valve	247.26	31.71
22 42 39 00-0068	EA	Single Lever Handle, Chrome Valve Only Trim Kit (American Standard T420.500) Note: Excludes valve	190.32	23.93
22 42 39 00-0069	EA	Single Lever Handle, Chrome Bath/Shower Only Trim Kit With FloWise Showerhead (American Standard T430.508) Note: Excludes valve	514.13	31.71
22 42 39 00-0070	EA	Single Lever Handle, Chrome Shower Only Trim Kit With FloWise Showerhead (American Standard T430.507) Note: Excludes valve	460.16	31.71
22 42 39 00-0071	EA	Single Lever Handle, Chrome Bath/Shower Only Trim Kit With Showerhead (Symmons 4702-2.0-TRM) Note: Excludes valve	302.29	31.71
22 42 39 00-0072	EA	Single Lever Handle, Chrome Shower Only Trim Kit With Showerhead (Symmons 4701-2.0-TRM) Note: Excludes valve	233.25	31.71
22 42 39 00-0073	EA	Single Lever Handle, Chrome Valve Only Trim Kit (Symmons 35-458-CYL) Note: Excludes valve	383.87	23.93
22 42 39 00-0074	EA	Single Lever Handle, Satin Nickel Bath/Shower Only Trim Kit With Showerhead (Symmons 4702-STN-TRM-2.0) Note: Excludes valve	573.18	31.71

22 42 39 00-0075 Bath And Shower Valve Body *(22 42 39 00-0056)*

22 42 39 00-0076	EA	Pressure Balance Bath And Shower Valve (American Standard R120, R125 Or R127)	181.32	23.93
22 42 39 00-0077	EA	Pressure Balance Bath And Shower Valve (American Standard R110, R115 Or R117)	164.83	23.93
22 42 39 00-0078	EA	Bath And Shower Valve Body (Symmons 46-1X-BODY or 46-2X-BODY)	173.07	23.93

22 42 39 00-0079 Shower Slide Bar System *(22 42 39 00-0056)*

22 42 39 00-0080	EA	Chrome Shower Slide Bar Trim Kit With Hose And Showerhead (American Standard 1662.602)	443.82	31.71
22 42 39 00-0081	EA	Chrome Shower Slide/Grab Bar Trim Kit With Hose And Showerhead (Symmons T-600B-24-V)	370.65	31.71

22 42 39 00-0082 Shower Valves And Trim *(22 42 39)*

See CSI section 22 41 39 00-0017 for residential shower valves and heads.

22 42 39 00-0083	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	502.31	80.76
22 42 39 00-0084	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	1,188.53	80.76
22 42 39 00-0085	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	810.51	80.76
22 42 39 00-0086	EA	Senior Institutional Shower Head (Symmons® 4-150)	309.78	51.93
22 42 39 00-0087	EA	Universal Institutional Shower Head (Symmons® 4-151)	533.02	51.93
22 42 39 00-0088	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	368.55	51.93
22 42 39 00-0089	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	272.30	51.93
22 42 39 00-0090	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	1,195.80	77.77
22 42 39 00-0091	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	966.74	89.74
22 42 39 00-0092	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,292.53	89.74
22 42 39 00-0093	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,836.73	95.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0094	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,667.72	80.76
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0095	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,993.07	80.76
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0096	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,339.76	80.76
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0097	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	2,050.26	80.76
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0098	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	2,203.41	80.76
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0099	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	4,111.02	80.76
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0100	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	3,584.25	80.76
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0101	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,772.06	80.76
22 42 39 00-0102	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,749.30	80.76
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0103	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,769.60	80.76
22 42 39 00-0104	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,764.20	80.76
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0105	EA	Shower Valve And Head, Single Lever Concealed Mixer (Symmons® 3501-CYL-B-362SH-2.0-STN-TRM)	721.96	77.77
22 42 39 00-0106	EA	Shower Valve And Head, Single Lever Concealed Mixer (Symmons® 3502-CYL-B-362SH-2.0-STN-TRM)	765.51	77.77
22 42 39 00-0107	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,305.50	71.79
22 42 39 00-0108	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	1,013.39	51.93
22 42 39 00-0109		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0110	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	692.90	99.61
22 42 39 00-0111	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	483.90	99.61
22 42 39 00-0112	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	524.38	99.61
22 42 39 00-0113	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	545.37	99.61
22 42 39 00-0114	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	708.64	139.63
22 42 39 00-0115	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	792.52	159.13
22 42 39 00-0116	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	924.46	159.13
22 42 39 00-0117	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	540.95	99.61
22 42 39 00-0118	EA	8" Spout Wall Mount Service Sink, Wrist Blade Handles (Chicago 445-L8ABCP)	807.09	159.13
22 42 39 00-0119	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	1,123.56	159.13
22 42 39 00-0120	EA	Wall Mounted Chrome Plated Sink Faucet, 8" Fixed Centers, Hot and Cold Water (Chicago 540-LD897SWXFABCP)	542.63	99.61
22 42 39 00-0121	EA	Wall Mounted Mixing Faucet With Integral Stop, Vacuum Breaker, And Wall Brass (Fiat 830-AA)	479.40	99.61
22 42 39 00-0122	EA	30" Long, 5/8" Rubber Hose And Stainless Steel Hose Bracket (Fiat 832-AA)	75.87	8.97
22 42 39 00-0123	EA	Stainless Steel Mop Hanger (Fiat 889-CC)	171.86	11.97
22 42 39 00-0124	EA	1/2" Diameter, Thermostatic Mixing Valve (Watts 1170-US/UT)	501.54	159.13
22 42 39 00-0125	EA	Pair Chrome Plated Single Bib Service Faucets (Elkay LK69C)	457.61	99.61
22 42 39 00-0126	EA	7" Spout, Bucket Hook Faucet, Chrome Finish (Elkay LKB940C)	542.99	99.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0127		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0128	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	280.50	42.36
22 42 39 00-0129	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	462.93	59.82
22 42 39 00-0130	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	607.20	59.82
22 42 39 00-0131	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	365.65	55.87
22 42 39 00-0132	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	495.29	79.68
22 42 39 00-0133	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	683.40	79.68
22 42 39 00-0134	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	548.32	59.82
22 42 39 00-0135	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	529.48	79.68
22 42 39 00-0136	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	349.38	46.00
22 42 39 00-0137	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	492.11	64.97
22 42 39 00-0138	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	372.89	64.97
22 42 39 00-0139	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	461.37	64.97
22 42 39 00-0140	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	110.80	39.96
22 42 39 00-0141	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	763.86	71.79
22 42 39 00-0142	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	991.13	71.79
22 42 39 00-0143	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	1,198.18	71.79
22 42 39 00-0144	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	1,056.00	71.79
22 42 39 00-0145	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	1,263.32	71.79
22 42 39 00-0146	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	170.86	39.49
22 42 39 00-0147	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	239.47	47.38
22 42 39 00-0148	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	239.47	47.38
22 42 39 00-0149	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	308.08	55.28
22 42 39 00-0150	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	376.66	63.17
22 42 39 00-0151		**Laboratory Countertop Faucets** *(22 42 39)*		
		Note: Includes final connection. Excludes rough-in.		
22 42 39 00-0152	EA	6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L391)	328.87	32.49
22 42 39 00-0153	EA	6" Gooseneck Deck Mount Hot And Cold Valve Faucet (Fisher Hamilton 32L406)	459.20	32.49
22 42 39 00-0154	EA	Deionozed Water 6" Gooseneck Deck Mount Single Valve Faucet (Fisher Hamilton 32L512)	464.41	32.49
22 42 39 00-0155	EA	Turret Deck Mount Air Or Gas Valve (Fisher Hamilton 30L535)	145.71	19.49
22 42 39 00-0156		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0157	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	941.12	44.86
22 42 39 00-0158	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,020.06	41.87
22 42 39 00-0159	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,316.55	44.86
22 42 39 00-0160	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,390.45	44.86
22 42 39 00-0161	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,688.40	29.92
22 42 39 00-0162	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,036.13	74.78
22 42 39 00-0163	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,842.36	74.78
22 42 39 00-0164	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,936.42	74.78
22 42 39 00-0165	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	375.55	45.48
22 42 39 00-0166	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	414.78	45.48
22 42 39 00-0167	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	449.04	45.48
22 42 39 00-0168	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	2,034.49	29.92
22 42 39 00-0169		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0170	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	508.39	42.36
22 42 39 00-0171	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	445.46	55.87
22 42 39 00-0172	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	501.22	42.36
22 42 39 00-0173	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	295.18	60.68
22 42 39 00-0174	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	596.61	46.00
22 42 39 00-0175	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	604.86	46.00
22 42 39 00-0176	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	500.66	46.00
22 42 39 00-0177		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0178	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	920.19	99.78
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0179	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	929.18	99.78
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0180	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	1,256.33	108.37
22 42 39 00-0181	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,314.85	99.78
22 42 39 00-0182	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,968.68	108.37
22 42 39 00-0183	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	2,475.58	108.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0184	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	2,309.37	108.37
22 42 39 00-0185	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,602.18	99.78
22 42 39 00-0186	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,926.20	99.78
22 42 39 00-0187	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,106.37	99.78
22 42 39 00-0188	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,168.78	99.78
22 42 39 00-0189	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	1,012.77	99.78
22 42 39 00-0190	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,168.78	99.78
22 42 39 00-0191	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	1,021.46	99.78
22 42 39 00-0192	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	1,021.46	99.78
22 42 39 00-0193	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,149.76	99.78
22 42 39 00-0194	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	975.50	99.78
22 42 39 00-0195	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	936.14	99.78
22 42 39 00-0196	EA	Single Hole, Chrome, Sensor Operated, Battery Or A/C Powered Lavatory Faucet (Moen 8554AC)	1,078.74	99.31
22 42 39 00-0197	EA	Single Hole, Chrome, Sensor Operated, Battery Powered Gooseneck Faucet (Moen CA8303)	1,058.13	99.31
22 42 39 00-0198	EA	4", Chrome, Sensor Operated, Battery Powered Lavatory Faucet (Moen CA8301)	984.48	99.31
22 42 39 00-0199	EA	Single Hole, Chrome, Sensor Operated, Battery Powered Lavatory Faucet (Moen CA8302)	973.47	99.31
22 42 39 00-0200		**Singles** *(22 42 39)*		
22 42 39 00-0201	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	352.81	43.91
22 42 39 00-0202		**Supply Lines and Shut-off Valves** *(22 42 39)*		
22 42 39 00-0203	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036-0000LF)	54.49	12.56
22 42 39 00-0204	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037-0000LF)	54.49	12.56
22 42 39 00-0205	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558LF)	45.33	12.56
22 42 39 00-0206	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	42.35	13.80
22 42 39 00-0207	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	24.10	8.12
22 42 39 00-0208	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	24.53	8.12
22 42 39 00-0209		**Other Trim** *(22 42 39)*		
22 42 39 00-0210	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	24.13	6.50
22 42 39 00-0211	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	146.32	19.49
22 42 39 00-0212	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	65.85	16.24
22 42 39 00-0213	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	158.58	16.24
22 42 39 00-0214	EA	Deck Mount, Single Inlet Spout (Chicago Faucet 626-E3)	268.14	75.37
22 42 39 00-0215	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 786 ABCP)	677.73	75.37
22 42 39 00-0216	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	81.27	17.95
22 42 39 00-0217	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	103.61	17.95
22 42 39 00-0218	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	357.85	17.95
22 42 39 00-0219	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	421.04	17.95
22 42 39 00-0220	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	324.45	17.95
22 42 39 00-0221	EA	Easy Mount Stainless Steel Basket Strainer Assembly (JB Products 1133EZDB)	53.71	16.24
22 42 39 00-0222	EA	Plastic Air Gap (BrassCraft BC9441 W)	26.84	6.50
22 42 39 00-0223		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0224	EA	Removal And Reinstallation Of Faucet	103.95	
22 42 39 00-0225		**Filtered Water Dispenser** *(22 42 39)*		
22 42 39 00-0226	EA	Double Handle Chrome Hot And Cold Water Dispenser (InSinkErator F-HC110C)	659.98	44.86
22 42 39 00-0227	EA	Double Handle Brushed Chrome Hot And Cold Water Dispenser (InSinkErator F-HC1100BC)	869.38	44.86
22 42 39 00-0228	EA	Double Handle Satin Nickel Hot And Cold Water Dispenser (InSinkErator F-HC110SN)	760.05	44.86
22 42 39 00-0229	EA	Double Handle Polished Nickel Hot And Cold Water Dispenser (InSinkErator F-HC110PN)	869.38	44.86
22 42 39 00-0230	EA	Double Handle White Hot And Cold Water Dispenser (InSinkErator F-HC110W)	760.05	44.86
22 42 39 00-0231	EA	Stainless Steel Hot Water Tank And Filter, 115 Volt, 750 Watt, 6.25 Amperes (InSinkErator HWT-F1000S)	743.17	79.80
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	271.82	40.80
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	263.72	40.80
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	259.62	40.80
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	412.27	40.80
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	510.08	40.80
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	869.83	40.80
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	772.26	40.80
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	813.52	40.80
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	741.07	40.80
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115)	355.72	40.80
		Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	721.36	40.80
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	299.50	40.80
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	471.84	40.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	354.33	35.89
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	435.01	35.89
22 42 43 00-0017	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan Royal Optima 110 Smooth)	622.04	40.80
22 42 43 00-0018	EA	Automatic Water Closet And Urinal Cleaning System	367.23	59.82
22 42 43 00-0019	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	731.80	40.80
22 42 43 00-0020	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	801.10	40.80
22 42 43 00-0021	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,043.86	40.80
22 42 43 00-0022	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,043.86	40.80
22 42 43 00-0023	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	742.07	40.80
22 42 43 00-0024	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	715.99	40.80
22 42 43 00-0025	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	393.67	35.89
22 42 43 00-0026	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	115.85	5.65
22 42 43 00-0027	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	791.83	40.80
22 42 43 00-0028	EA	Concealed Sensor Operated Water Closet Flush Valve, Back Spud, Battery Operated (American Standard Selectronic™ FloWise®)	808.24	40.80
22 42 43 00-0029	EA	Concealed Sensor Operated Water Closet Flush Valve, Back Spud, AC Powered (American Standard Selectronic™ FloWise®)	821.44	40.80
22 42 43 00-0030	EA	Exposed Sensor Operated Water Closet Flush Valve, Top Spud, DC Powered (American Standard 6065.121.002)	472.65	40.80
22 42 43 00-0031	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	281.12	40.80
22 42 43 00-0032	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	608.30	40.80
22 42 43 00-0033	EA	Exposed Battery Powered Water Closet Flush Valve (Moen 8310DF16)	566.70	40.68
22 42 43 00-0034		**Urinal Flush Valves** *(22 42 43)*		
22 42 43 00-0035	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	209.66	40.80
22 42 43 00-0036	EA	1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	502.04	40.80
22 42 43 00-0037	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	347.57	40.80
22 42 43 00-0038	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	529.89	40.80
22 42 43 00-0039	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	703.25	40.80
22 42 43 00-0040	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	941.86	40.80
22 42 43 00-0041	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,055.57	40.80
22 42 43 00-0042	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	676.12	40.80
22 42 43 00-0043	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	835.75	40.80
22 42 43 00-0044	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt 8180) Note: 1.0, 1.5 or 3.5 GPF.	676.12	40.80
22 42 43 00-0045	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV) Note: 0.5, 1.0 or 1.5 GPF.	276.63	40.80
22 42 43 00-0046	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	701.22	40.80
22 42 43 00-0047	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	262.13	40.80
22 42 43 00-0048	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	593.21	40.80
22 42 43 00-0049	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	742.07	40.80
22 42 43 00-0050	EA	Concealed Sensor Operated Urinal Flush Valve, 3/4" Back Spud, Battery Operated (American Standard Selectronic™) Note: 0.5 GPF.	771.94	40.80
22 42 43 00-0051	EA	Exposed Battery Powered Urinal Flush Valve (Moen 8316)	522.44	40.80
22 42 43 00-0052	EA	Exposed Manual Urinal Flush Valve, 3/4" Top Spud (Moen 8312M05)	231.29	40.80
22 42 43 00-0053		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0054	EA	Removal And Reinstallation Of Flush Valve	162.43	
22 42 43 00-0055		**Plumbing Control Transformers** *(22 42 43)*		
22 42 43 00-0056	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	63.12	
22 42 46		**Chemical Toilets** *(22 42)* Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		**Standard Chemical Toilets** *(22 42 46)*		
22 42 46 00-0002		**Small Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year. *For Extra Urinal, Add*	4,967.35 *161.73*	1,196.45
22 42 46 00-0004		**Medium Tank Chemical Toilets** *(22 42 46 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	5,903.14	1,424.98
		For Extra Urinal, Add	*191.50*	
22 42 46 00-0006		**Large Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	7,113.84	1,616.41
		For Extra Urinal, Add	*259.16*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001		**Healthcare Water Closets** *(22 43 13)*		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	878.66	124.43
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	713.30	124.43
22 43 13 00-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Huron)	875.21	124.43
22 43 13 00-0005	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Afwall ADA)	1,276.33	153.15

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001		**Healthcare Sinks** *(22 43 16)*		
		Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,361.37	80.16
		For Stainless Steel Rim Guards (Three Sides), Add	*126.30*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,467.97	230.32
		For Stainless Steel Rim Guards (Three Sides), Add	*126.30*	
		For Pedestal Base, Add	*579.06*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,305.77	80.16
		For Painted Bracket Supports, Add	*203.48*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,138.96	80.16
22 43 16 00-0006		**Surgical Scrub Sinks** *(22 43 16)*		
22 43 16 00-0007	EA	25" Wide x 20" Deep x 43" High Single Surgical Scrub Sink (FHCSS25-IR) Note: Features infra red sensor operated water, under counter mixing valve, swivel gooseneck spout with aerator. Unit will be supported by a z-bracket and main support bracket supplied with the sink.	5,580.19	179.47
22 43 16 00-0008	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,554.27	239.29
22 43 16 00-0009	EA	32" Wide x 27-1/2" Deep x 37-1/8" High Single Surgical Scrub Sink (FHCSS32-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	8,554.27	239.29
22 43 16 00-0010	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	11,290.49	299.11
22 43 16 00-0011	EA	64" Wide x 27-1/2" Deep x 37-1/8" High Double Surgical Scrub Sink (FHCSS64-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	11,290.49	299.11
22 43 16 00-0012	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96) Note: Features knee operated water and soap, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	14,740.31	358.94
22 43 16 00-0013	EA	96" Wide x 27-1/2" Deep x 37-1/8" High Triple Surgical Scrub Sink (FHCSS96-IR) Note: Features infra red sensor operated water, adjustable water temperature, faucet with rose spray aerator, wall mounted or free standing, large scrub area, sloped bottom to minimize splash. Unit will be supported by a z-bracket and two main brackets supplied with the sink. It is recommended that a chair carrier be used for support. 14 gauge 304 SS and skirts are 16 gauge 304 SS.	14,740.31	358.94
22 43 16 00-0014	EA	Single Chair Carrier (FHC P-617106-846)	595.74	89.74
22 43 16 00-0015	EA	Double Chair Carrier (FHC P-617106-851)	631.49	95.71
22 43 16 00-0016	EA	Triple Chair Carrier (FHC P-617106-852)	691.03	101.70
22 43 16 00-0017	EA	60" Wide x 23" Deep x 38-1/4" High, 2.2 GPM, Laminar Flow Spray Head, Chrome Color Finish, Wall Mounted, Stainless Steel Scrub Sink (Sloan ESS-2100-C)	13,578.45	119.65

22 43 23 Healthcare Showers *(22 43)*

22 43 23 00-0001 **Gel-Coated Fiberglass Showers** *(22 43 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 23 00-0002	EA	62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H) Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,288.47	239.29
22 43 23 00-0003	EA	Three Piece 62" x 34" x 80" ADA/Special Needs, Gel Coat Fiberglass Barrier Free Shower Enclosure (Florestone 35-62H) Note: Includes stainless steel curtain rod, Symmons® pressure balance mixing valve with concealed check stops, Moen® hand-held shower head with hose and stainless steel slide bar/grab bar, stainless steel corner grab bar, stainless steel recessed soap dish, white naugahyde folding wheelchair transfer seat, and 2" brass drain.	3,416.80	215.36

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	116.42	17.95

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	665.72	87.82
		For Hard Wired AC Powered, Add	*28.76*	

22 43 39 00-0005 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	534.10	159.61
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	637.55	159.61
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,434.94	159.61
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	772.58	159.61

22 43 39 00-0010 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	782.87	87.82
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	792.24	87.82
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	791.29	87.82
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	702.28	87.82
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	670.42	87.82

22 43 39 00-0016 Bedpan Washers *(22 43 39)*

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,880.55	159.61
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,782.44	159.61
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,753.38	159.61
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,725.12	159.61

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	265.27	40.80
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	589.74	40.80

22 43 46 Healthcare Patient Care Units *(22 43)*

22 43 46 00-0001 Patient Care Units *(22 43 46)*

22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,952.51	239.29
		For SDB Single Temperature Dialysis Box, Add	*1,531.88*	
		For DDB Dual Temperature Dialysis Box, Add	*1,627.03*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,187.68*	
		For LOCK Flush Valve Lockout Device, Add	*863.47*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,508.40	209.38
		For SDB Single Temperature Dialysis Box, Add	*1,531.88*	
		For DDB Dual Temperature Dialysis Box, Add	*1,627.03*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,187.68*	
		For LOCK Flush Valve Lockout Device, Add	*863.47*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,997.47	32.49
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,200.61	32.49

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	778.83	209.38
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	890.58	209.38
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	952.66	209.38
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,138.90	209.38
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,523.81	209.38
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,211.14	239.29
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,326.83	269.21
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,208.88	269.21
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,233.71	269.21
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,699.32	269.21

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	677.83	209.38
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	697.18	209.38
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,081.64	239.29

22 45 13 00-0017 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	990.73	209.38
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	1,015.75	209.38
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	2,240.67	209.38
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,590.08	269.21
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	2,156.02	269.21

22 45 13 00-0023 Emergency Drench Showers (Guardian) *(22 45 13 00-0001)*

22 45 13 00-0024	EA	11-3/4" Bowl Diameter, 20 GPM, 2 Spray Heads, Height Impact Plastic, Flip Top Dust Covers, Pull Handle Activator, Emergency Wash Station Drench Shower (Guardian G1902P)	1,273.61	239.29

22 45 13 00-0025 Emergency Drench Showers (Hughes) *(22 45 13 00-0001)*

22 45 13 00-0026	EA	41-5/16" Length x 40-13/16" Width x 94-13/16" Height, Covered ABS Eye/Face Wash, Emergency Cubicle Shower (Hughes SD32K45G)	10,322.44	239.29
22 45 13 00-0027	EA	30-13/16" Length x 19-13/16" Width x 103" Height, Floor Mounted, Closed ABS Bowl, Galvanized Pipe, Top Inlet, Floor Mounted, Emergency Shower Station (Hughes 18G45GT)	1,715.09	239.29

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	334.79	5.98
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,599.99	269.21

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	1,020.94	59.82
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	1,020.94	59.82
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	1,039.89	59.82
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	1,039.89	59.82
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,387.82	59.82
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,583.82	59.82
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,583.82	59.82
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,950.84	59.82
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,950.84	59.82
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	3,088.75	59.82
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	3,088.75	59.82
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,814.49	59.82
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,814.49	59.82
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,848.84	209.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,822.09	209.38
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,294.83	209.38
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,850.86	209.38
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	1,096.32	209.38
22 45 16 00-0024		Emergency Eyewash Equipment (Fendall) *(22 45 16 00-0001)*		
22 45 16 00-0025	EA	7 Gallon Capacity, 15-minute Constant Flow, Plastic, Mounted Eyewash Station (Fendall H-3838) Note: Includes emergency sign, installation DVD, mounting bracket and tamper seal	701.21	64.97
22 45 16 00-0026		Emergency Eyewash Equipment (Porta Stream) *(22 45 16 00-0001)*		
22 45 16 00-0027	EA	26" Height x 20" Width x 20" Depth, 16 Gallon Capacity, Eyewash Station (Porta Stream II H-1142)	519.45	43.27
22 45 16 00-0028		Emergency Eyewash Equipment (Pure Flow) *(22 45 16 00-0001)*		
22 45 16 00-0029	EA	30" Height x 29" Width x 23" Depth, 0.4 GPM Constant Flow, 7 Gallon Capacity, Eyewash Station (Pure Flow 1000 H-1297)	674.00	64.97
22 45 16 00-0030		Emergency Eyewash Equipment (U-Line) *(22 45 16 00-0001)*		
22 45 16 00-0031	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Plastic, Mounted Eyewash Station (U-Line H-5457) Note: Includes emergency sign and inspection tag	778.20	259.88
22 45 16 00-0032	EA	11-1/2" Bowl Diameter, Twin Spray Heads, Flip-top Dust Covers, Stainless Steel, Mounted Eyewash Station (U-Line H-5795) Note: Includes emergency sign and inspection tag	872.18	259.88
22 45 16 00-0033	EA	20" Height x 11" Width x 14" Depth, 3-minute Constant Flow, 1 Gallon Capacity, Pull Strap Activation, Wall Mounted Or Tabletop Use Flash Flood Eyewash Station (U-Line H-7917)	270.91	43.27
22 45 16 00-0034	EA	1" Head Diameter, Single Faucet With Easy Pull-knob, Faucet Mounted Eyewash Station (U-Line H-5100)	152.08	21.70
22 45 23		**Personal Eyewash Equipment** *(22 45)*		
22 45 23 00-0001		Portable Eyewash Equipment *(22 45 23)*		
22 45 23 00-0002		Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*		
22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	344.76	17.95
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,808.86	17.95
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	
22 45 26		**Eye/Face Wash Equipment** *(22 45)*		
22 45 26 00-0001		Emergency Eye/Face Wash Equipment *(22 45 26)*		
22 45 26 00-0002		Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*		
22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	839.22	149.56
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	847.12	209.38
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	828.50	209.38
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	901.75	209.38
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	909.20	209.38
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	997.36	209.38
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,349.98	209.38
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,529.52	209.38
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,037.31	239.29
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,180.10	239.29
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,620.38	239.29
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	697.01	59.82
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	672.17	59.82
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	703.21	59.82
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	883.25	59.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,162.68	299.11
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,607.97	239.29
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,684.16	299.11
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,141.87	239.29

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	758.45	209.38
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	926.84	239.29
22 45 26 00-0025	EA	Table Top, Emergency Eye/Face Wash (Speakman SE-572)	1,045.42	299.11
		For Freeze-Resistant, Add	*450.40*	
		For Hand And Foot Control, Add	*72.90*	

22 45 26 00-0026 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,643.77	209.38
22 45 26 00-0028	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,199.80	209.38
22 45 26 00-0029	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	2,129.11	209.38
22 45 26 00-0030	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,960.43	209.38
22 45 26 00-0031	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,076.12	59.82
22 45 26 00-0032	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,076.12	59.82
22 45 26 00-0033	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,043.22	59.82
22 45 26 00-0034	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,043.22	59.82
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,608.55	59.82
22 45 26 00-0036	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,608.55	59.82

22 45 26 00-0037 Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*

Note: Includes one pull rod.

22 45 26 00-0038	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,900.45	209.38

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	745.54	74.78
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	857.29	74.78

22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*

22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	812.67	74.78
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	746.64	74.78
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,135.18	74.78
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,061.69	74.78
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,088.00	74.78
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,434.48	74.78
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,664.92	74.78
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,586.78	74.78

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,409.44	388.85
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,993.99	388.85
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,093.81	388.85
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,316.81	388.85
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,441.47	388.85
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,298.68	388.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,969.65	388.85
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,205.07	388.85
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,509.27	388.85
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,577.55	388.85
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,993.50	388.85
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,235.62	388.85
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,167.33	388.85
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,216.01	388.85
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,551.25	388.85
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,814.75	388.85
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,969.65	388.85
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,224.18	388.85
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,823.52	388.85
22 45 33 00-0023	EA	3.18 GPM, 1-1/4" IPS Galvanized Steel Piping, Durajade Powder-Coat, Yellow Bowl Color, ADA compliant, Push-handle Activated, Pull-rod Shower, Brass Fittings, Floor Mounted, Combination Emergency Station (Speakman SE-697)	1,214.30	239.29
22 45 33 00-0024		Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*		
22 45 33 00-0025	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,535.71	324.85
22 45 33 00-0026	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,703.28	324.85
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,980.62	324.85
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,719.91	324.85
22 45 33 00-0029	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,536.65	324.85
22 45 33 00-0030		Emergency Shower With Eye/Face Wash (Guardian) *(22 45 33 00-0001)*		
22 45 33 00-0031	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (Guardian H-5101)	1,416.24	259.88
22 45 33 00-0032	EA	Emergency Eye Wash Station With Stainless Steel Bowl And Shower Head (Guardian H-6618)	2,807.31	259.88
22 45 33 00-0033	EA	Emergency Eye Wash Station With Plastic Bowl And Shower Head (U-Line H-6697)	1,199.85	259.88
22 45 33 00-0034		Emergency Shower With Eye/Face Wash (Hughes) *(22 45 33 00-0001)*		
22 45 33 00-0035	EA	120 Volt, 35-13/64" Length x 14-45/64" Width x 104-1/2" Height, Freeze Protected, ABS Bowl, Floor Mounted, Emergency Shower Station (Hughes H5G45G-1H)	3,788.72	239.29
22 45 33 00-0036	EA	29-1/2" Length x 12-13/32" Width x 103" Height, Open ABS Bowl, Galvanized Pipe, Floor Mounted, Emergency Combination Shower (Hughes 18G75G)	1,459.13	239.29
22 45 36		**Emergency Fixture Water-Tempering Equipment** ***(22 45)***		
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment *(22 45 36)*		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	789.00	74.78
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,155.28	74.78
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,695.38	74.78
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,999.58	74.78
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,831.47	74.78
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,986.67	74.78
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,016.73	74.78
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,028.65	74.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	882.12	74.78

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	203.06	23.93
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	283.77	23.93
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	296.18	23.93
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	328.36	8.97
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	334.79	5.98
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	365.38	11.97
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	645.08	89.74
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	651.36	33.90
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	974.19	33.90
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,155.28	89.74
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,184.77	33.90
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,398.83	113.00
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,448.50	113.00
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,571.68	113.00
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,731.12	113.00

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,157.88	89.74

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	215.43	19.49

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,484.97	299.11
		For Angled Toilet, Add	*29.91*	
		For Offset Toilet, Add	*218.59*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	2,970.97	299.11
		For Angled Toilet, Add	*29.91*	
		For Offset Toilet, Add	*267.19*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	3,013.55	299.11
		For Angled Toilet, Add	*29.91*	
		For Offset Toilet, Add	*271.44*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	294.30	59.82

22 46 13 13-0006 Replacement Blowout Toilets *(22 46 13 13)*

22 46 13 13-0007	EA	Wall Mount Toilet For Replacement, Stainless Steel (Acorn 3330/3331)	2,875.25	251.26
22 46 13 13-0008	EA	Floor Mounted Toilet For Replacement, Stainless Steel (Acorn 3334/3335)	3,425.41	239.29

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	2,892.05	269.21
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,865.90	382.51

22 46 13 16-0004 Replacement Urinals *(22 46 13 16)*

22 46 13 16-0005	EA	Wall Mounted Straddle Urinal For Replacement, Stainless Steel (Acorn 3349)	4,016.38	299.11

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,409.56	370.90
		For Angled Toilet, Add	*37.09*	
		For Offset Toilet, Add	*403.87*	
		For 15" Mirror/Shelf Module, Add	*920.90*	
		For AC Duplex Outlet Option, Add	*104.18*	
		For Intercom Option, Add	*149.18*	
		For 15" Wide Light/Ventilation Module, Add	*857.54*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,546.76	388.85
		For Angled Toilet, Add	*38.88*	
		For Offset Toilet, Add	*415.79*	
		For 18" Mirror/Shelf Module, Add	*963.85*	
		For AC Duplex Outlet Option, Add	*107.77*	
		For Intercom Option, Add	*152.77*	
		For 18" Wide Light/Ventilation Module, Add	*883.31*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,653.14	406.79
		For Angled Toilet, Add	*40.68*	
		For Offset Toilet, Add	*424.63*	
		For 20" Mirror/Shelf Module, Add	*1,016.80*	
		For AC Duplex Outlet Option, Add	*111.36*	
		For Intercom Option, Add	*156.36*	
		For 20" Wide Light/Ventilation Module, Add	*919.08*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	4,973.87	424.74
		For Angled Toilet, Add	*42.47*	
		For Offset Toilet, Add	*454.91*	
		For 26" Mirror/Shelf Module, Add	*1,059.74*	
		For AC Duplex Outlet Option, Add	*114.95*	
		For Intercom Option, Add	*159.95*	
		For 26" Wide Light/Ventilation Module, Add	*949.84*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,883.19	442.69
		For Angled Toilet, Add	*44.27*	
		For Offset Toilet, Add	*744.05*	
		For 28" Mirror/Shelf Module, Add	*1,097.69*	
		For AC Duplex Outlet Option, Add	*118.54*	
		For Intercom Option, Add	*163.54*	
		For 28" Wide Light/Ventilation Module, Add	*980.61*	

22 46 13 19-0007 Replacement Combination Units *(22 46 13 19)*

Note: Includes hot and cold valve, bubbler, flush valve, paper holder, and mounting hardware.

22 46 13 19-0008	EA	18" Lav-Toilet Comby Replacement Unit, Stainless Steel (Acorn 3318)	4,945.27	364.92
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	
22 46 13 19-0009	EA	Angled ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1432)	6,519.26	364.92
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	
22 46 13 19-0010	EA	Flat Wall ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1435)	8,554.29	364.92
		For Auto Reset Flood-Trol, FTA, Add	*230.00*	
		For PWT Electronic FV And H And C, Add	*248.00*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,787.59	209.38
		For Shelf, Add	*97.81*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,815.78	209.38
		For Shelf, Add	*97.81*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,053.83	209.38
		For Shelf, Add	*97.81*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,815.78	209.38
		For Shelf, Add	*97.81*	

22 46 16 13-0006 Replacement Lavatories *(22 46 16 13)*

Note: Includes hot and cold valve, bubbler, and mounting hardware.

22 46 16 13-0007	EA	15" Lavatory For Replacement, Stainless Steel (Acorn 3325)	1,674.52	179.47
		For PWT Electronic H And C valve, Add	*150.00*	
22 46 16 13-0008	EA	18" Lavatory For Replacement, Stainless Steel (Acorn 3326)	1,790.41	179.47
		For PWT Electronic H And C valve, Add	*150.00*	
22 46 16 13-0009	EA	18" ADA Front Access Lavatory , Stainless Steel (Acorn 1652-ADA-BP-4M-FA)	1,918.25	179.47
		For PWT Electronic H And C valve, Add	*150.00*	

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,773.23	318.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 16 16-0003		**Security Mop Sink** *(22 46 16 16)*		
22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,347.06	179.47
22 46 19		**Security Showers** *(22 46)*		
22 46 19 00-0001		Security Showers *(22 46 19)*		
22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	9,647.75	478.58
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	9,988.39	478.58
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	10,338.97	478.58
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	13,083.96	478.58
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	691.83	159.72
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	485.43	83.76
22 46 19 00-0008		Wall Mounted Security Shower *(22 46 19)*		
		Note: Includes single temp air control valve, and mounting hardware.		
22 46 19 00-0009	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)	1,007.77	125.63
		For PWT Electronic FV, Add	*148.00*	
22 46 19 00-0010	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)	1,205.05	125.63
		For PWT Electronic FV, Add	*148.00*	
22 46 43		**Security Plumbing Fixture Flushometers** *(22 46)*		
22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM) Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).	818.29	40.80
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM) Note: Solenoid operated with module plug 24V (ESM).	817.35	40.80
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM) Note: Solenoid operated with module plug 24V (ESM).	789.84	40.80
22 46 56		**Security Drinking Fountains** *(22 46)*		
22 46 56 00-0001		Security Drinking Fountain *(22 46 56)*		
		Note: Includes air control valve, bubbler with mouthguard and mounting bracket.		
22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,021.92	239.29
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,035.52	239.29
22 47		**Drinking Fountains and Water Coolers** *(22 40)*		
22 47 13		**Drinking Fountains** *(22 47)*		
22 47 13 00-0001		Indoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0002		Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,522.16	194.43
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,709.75	209.38
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,354.32	194.43
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	4,009.45	209.38
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,658.57	194.43
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,994.70	209.38
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,888.79	194.43
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,305.88	209.38
22 47 13 00-0011		Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*		
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,702.92	209.38
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,667.24	209.38
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,378.99	269.21
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	4,317.89	269.21
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,702.38	269.21
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	3,363.18	269.21
22 47 13 00-0018	EA	Vandal Proof, Non-Recessed, Stainless Steel Drinking Fountain With Bottle Filler (Filtrine 107-14-VP-TM)	5,373.63	194.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,817.22	209.38
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,685.33	209.38
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	3,524.12	209.38
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	3,377.57	209.38
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	3,069.82	209.38
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,937.93	209.38
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,791.38	209.38
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,791.38	209.38
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,659.49	209.38
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,659.49	209.38
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,600.87	209.38
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,600.87	209.38
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,468.97	209.38
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,395.70	209.38
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	2,293.12	209.38
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	2,249.15	209.38
22 47 13 00-0035	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	2,102.60	209.38
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,395.70	209.38
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	2,102.60	209.38
22 47 13 00-0038	EA	White Vitreous China Wall-Mounted Indoor Drinking Fountain (Haws 1201)	1,630.06	209.38
22 47 13 00-0039	EA	White Enameled Iron Wall-Mounted Indoor Drinking Fountain (Haws 1311 And 6700)	2,678.89	209.38
22 47 13 00-0040	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	2,231.77	209.38
22 47 13 00-0041	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	2,234.50	209.38
22 47 13 00-0042	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,851.06	149.56
22 47 13 00-0043	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,382.10	149.56
22 47 13 00-0044		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,315.52	224.33
22 47 13 00-0046	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,094.13	224.33
22 47 13 00-0047		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,477.06	239.29
22 47 13 00-0049	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,608.77	239.29
22 47 13 00-0050	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2401)	3,030.85	239.29
22 47 13 00-0051	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler, Barrier Free (Haws 2406)	6,976.44	239.29
22 47 13 00-0052	EA	Stainless Steel Fully-Recessed Indoor Drinking Fountain With Bubbler (Haws 2403)	4,716.31	239.29
22 47 13 00-0053		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0054	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	1,003.79	149.56
22 47 13 00-0055	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	963.66	149.56
22 47 13 00-0056	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,183.58	149.56
22 47 13 00-0057		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0058	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	836.85	149.56
22 47 13 00-0059	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,023.27	149.56
22 47 13 00-0060		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0061	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,793.36	239.29
22 47 13 00-0062	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,058.20	239.29
22 47 13 00-0063	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,566.86	239.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0064	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,833.45	239.29
22 47 13 00-0065	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,857.57	239.29
22 47 13 00-0066	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,183.60	305.24
22 47 13 00-0067	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,743.93	239.29
22 47 13 00-0068	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,642.48	239.29
22 47 13 00-0069	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1431)	3,981.77	239.29
22 47 13 00-0070	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1501)	4,059.79	239.29
22 47 13 00-0071	EA	White Enameled Iron, Dual Height, Drinking Fountain (Haws 1501 with 6715)	4,675.90	305.24
22 47 13 00-0072	EA	Two Station, Stainless Steel Indoor Drinking Fountains With Bubbler And Built In Backsplash (Elkay EDFP217C) Note: NULL, Bottom Cover Plate Included	2,880.51	239.29
22 47 13 00-0073	EA	Two Station, Stainless Steel Indoor Drinking Fountains With Vandal Resistant Bubbler And Built In Backsplash (Elkay EDFPVR217C) Note: NULL, Bottom Cover Plate	3,188.26	239.29
22 47 13 00-0074	EA	Two Station, Stainless Steel Indoor Drinking Fountains With Bubbler, Glass Filler And Built In Backsplash (Elkay EDFP217FC) Note: Bottom Cover Plate Included	3,100.33	239.29
22 47 13 00-0075	EA	Bi-Level (High/Low), Vandal Proof Non-Recessed, Stainless Steel Drinking Fountain With Bottle Filler (Filtrine FC-107-14-HL-VP)	13,466.31	239.29
22 47 13 00-0076	EA	Bi-Level (High/Low), Non-Recessed, Stainless Steel Drinking Fountain (Filtrine FC-107-16-HL-TM)	8,138.50	239.29

22 47 13 00-0077 Outdoor Drinking Fountains *(22 47 13)*

22 47 13 00-0078 Face Mounted Outdoor Drinking Fountains *(22 47 13 00-0077)*

22 47 13 00-0079	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,147.73	239.29
22 47 13 00-0080	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,365.70	239.29
22 47 13 00-0081	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,271.06	239.29
22 47 13 00-0082	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,386.69	239.29
22 47 13 00-0083	EA	Stainless Steel Face Mounted Outdoor Drinking Fountain With Bubbler (Oasis FLF140PM) Note: For use with remote chillers	1,880.88	239.29

22 47 13 00-0084 Free Standing Outdoor Drinking Fountains *(22 47 13 00-0077)*

22 47 13 00-0085	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,191.34	224.33
22 47 13 00-0086	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,930.76	224.33
22 47 13 00-0087	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,185.56	224.33
22 47 13 00-0088	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,819.66	224.33
22 47 13 00-0089	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,274.73	239.29
22 47 13 00-0090	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,390.88	239.29
22 47 13 00-0091	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,309.96	224.33
22 47 13 00-0092	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,065.15	224.33
22 47 13 00-0093	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,804.57	224.33
22 47 13 00-0094	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,844.02	239.29
22 47 13 00-0095	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,651.76	239.29
22 47 13 00-0096	EA	Hi-Lo Pedestal Style Drinking Fountain (Haws Model 3500)	7,400.21	239.29
22 47 13 00-0097	EA	Pedestal Outdoor Drinking Fountain, Triple (Haws 3502)	9,666.76	239.29

22 47 13 00-0098 Wall Mounted Outdoor Drinking Fountains *(22 47 13 00-0077)*

22 47 13 00-0099	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1105)	2,272.83	224.33
22 47 13 00-0100	EA	Stainless Steel, Single Low Profile Wall Mounted Drinking Fountain (Haws 1107L)	2,718.52	224.33
22 47 13 00-0101	EA	Stainless Steel, Single Wall Mounted Drinking Fountain (Haws 1109)	2,522.61	224.33
22 47 13 00-0102	EA	White Polymarble Barrier-Free Single Drinking Fountain (Haws 1075)	2,713.84	224.33
22 47 13 00-0103	EA	Vitreous China Single Drinking Fountain (Haws 1201)	2,219.07	224.33

22 47 13 00-0104 Multi-Station Outdoor Drinking Fountains *(22 47 13 00-0077)*

22 47 13 00-0105	EA	Stainless Steel, Hi/Lo Wall Mounted Drinking Fountain (Haws 1119)	3,939.40	239.29
22 47 13 00-0106	EA	Stainless Steel, 3 Position Adjustable Hi/Lo Wall Mounted Drinking Fountain (Haws 1117L)	4,901.51	239.29
22 47 13 00-0107	EA	White Polymarble Barrier-Free Two Bowl (Hi-Lo) Drinking Fountain (Haws 1085)	5,759.11	239.29
22 47 13 00-0108	EA	White Cast Aluminum Three Station Outdoor Drinking Fountains With Bubblers (Haws 1408)	4,663.34	239.29
22 47 13 00-0109	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Murdock GVM49)	7,948.04	239.29
22 47 13 00-0110	EA	Stainless Steel Two Station Outdoor Freeze Resistant Drinking Fountains With Bubbler And Built In Backsplash, Bottom Cover Plate Included (Elkay EDFP217FPK)	5,015.17	239.29

22 47 13 00-0111 Drinking Fountain Accessories *(22 47 13)*

22 47 13 00-0112 Drinking Fountain Grab Bars *(22 47 13 00-0111)*

Note: Includes satin finish and concealed mounting with snap flange.

22 47 13 00-0113	EA	18" x 33", Wall And Floor Mounted, 1-1/4" Diameter, Stainless Steel Drinking Fountain Grab Bar	357.19	28.55
		For Peened Grip, Add	*27.01*	
22 47 13 00-0114	EA	18" x 33", Wall And Floor Mounted, 1-1/2" Diameter, Stainless Steel Drinking Fountain Grab Bar	384.19	28.55
		For Peened Grip, Add	*29.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,816.37	239.29
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,150.49	239.29
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,228.04	239.29
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,314.08	239.29
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,583.66	239.29
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,686.91	239.29
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,958.45	239.29
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,288.26	239.29
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,773.46	239.29
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,730.40	239.29
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,995.03	358.94
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,680.92	239.29
22 47 16 00-0017		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,309.21	269.21
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,516.13	269.21
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,651.01	269.21
22 47 16 00-0021		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,158.17	209.38
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,325.94	209.38
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,654.33	209.38
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,965.50	209.38
22 47 16 00-0026		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	722.99	119.65
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	877.09	119.65
22 47 16 00-0029		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,338.03	358.94
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,304.12	358.94
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,263.19	358.94
22 47 16 00-0033		Point Of Use Indoor Water Coolers Without Drains *(22 47 16 00-0001)*		
22 47 16 00-0034	EA	Hot And Cold, Countertop, Point of Use Water Cooler (Oasis POU1CCTHS)	727.81	
22 47 16 00-0035		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0036		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0035)*		
22 47 16 00-0037	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,361.80	149.56
22 47 16 00-0038	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,119.24	149.56
22 47 16 00-0039		Free Standing Outdoor Water Coolers *(22 47 16 00-0035)*		
22 47 16 00-0040	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,908.85	224.33
22 47 16 00-0041	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,711.88	224.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0042		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0043	EA	Removal And Reinstallation Of Wall Hung Water Cooler	581.45	
22 47 16 00-0044	EA	Removal And Reinstallation Of Floor Mount Water Cooler	129.94	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,961.50	239.29
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,252.18	239.29
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,331.31	269.21
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,095.23	269.21
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,859.15	269.21
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0007		Indoor Bottle Filling Station *(22 47 19)*		
22 47 19 00-0008	EA	Indoor Bottle Filling Station With Chiller, Recessed Mount (Halsey Taylor HTHB-8)	3,815.84	239.29
22 47 19 00-0009	EA	Indoor Bottle Filling Station Without Chiller, Recessed Mount (Halsey Taylor HTHB-LR)	2,589.14	239.29
22 47 19 00-0010	EA	Indoor Bottle Filling Station, Surface Mount (Halsey Taylor HTHBSM-WF)	2,065.08	239.29
22 47 19 00-0011	EA	Bottle Filling Station (Filtrine B103-TM)	3,818.94	179.47
22 47 19 00-0012	EA	Surface Mount, Battery Powered, Non-Filtered, Non-Refrigerated, Stainless Steel Botter Filling Station (Elkay EMASMB)	1,883.98	239.29
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,363.19	80.76
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,089.52	89.74
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,781.02	104.69
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,299.92	119.65
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,606.92	179.47
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,910.68	194.43
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)* Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	623.49	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*375.87*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	725.28	45.47
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*375.87*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	299.27	26.92
22 51 13 00-0003		Pool Drains *(22 51 13)*		
22 51 13 00-0004		Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)* Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	2,567.74	75.37
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Galvanized Top, Add	*276.40*	
		For Vandal Proof Construction, Add	*57.20*	
22 51 13 00-0006		Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)* Note: Bottom outlet 14" square top and loose set square flange.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	770.10	75.37
		For Clamp Device, Add	*13.80*	
		For Galvanized Top, Add	*38.10*	
		For Polished Bronze Top, Add	*133.50*	
		For Chromium Plated Top, Add	*146.90*	
		For Hinge Grate, Add	*28.60*	
		For Supplementary Strainer, Add	*7.00*	
		For Threaded Outlet, Add	*9.50*	
		For Vandal Proof Construction, Add	*17.10*	
		For Ground Screw, Add	*18.30*	
22 51 13 00-0008		Pool Supply Fittings *(22 51 13)*		
22 51 13 00-0009		Cast Iron Pool Supply Fittings *(22 51 13 00-0008)*		
		Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Diameter Pipe	976.25	134.60
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Diameter Pipe	976.25	134.60
		For Chromium Plated Head, Add	*11.50*	
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 16		**Swimming Pool Pumps** *(22 51)*		
22 51 16 00-0001		Variable Speed Pool Pumps *(22 51 16)*		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,991.92	508.50
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,272.19	508.50
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,648.37	508.50
22 51 16 00-0005		Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)*		
		Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	395.77	59.82
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	668.61	59.82
22 51 16 00-0008		Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)*		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,482.47	59.82
22 51 19		**Swimming Pool Water Treatment Equipment** *(22 51)*		
22 51 19 00-0001		Condensing Pool Water Heater *(22 51 19)*		
22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	42,720.17	857.61
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	46,546.17	1,029.13
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	51,042.13	1,114.90
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	62,694.05	1,200.66
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	65,032.66	1,286.42
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	98,555.26	1,543.70
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	126,273.44	1,629.46
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	131,369.26	1,758.11
22 51 19 00-0010		Non-Condensing Pool Water Heater *(22 51 19)*		
22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	23,040.30	1,114.90
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	24,556.10	1,200.66
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	26,750.89	1,286.42
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	35,342.10	1,543.70
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	40,945.13	1,629.46
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	43,711.37	1,758.11
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	43,315.69	1,843.86
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	56,113.69	1,886.74
22 51 19 00-0019		Swimming Pool Heaters *(22 51 19)*		
		Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020		Electric Pool Heaters *(22 51 19 00-0019)*		
22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,550.71	239.29
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	5,084.13	257.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,650.75	299.11
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,988.48	358.94
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,605.39	502.51
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,593.74	717.87
22 51 19 00-0027		**Gas Fired Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	6,701.42	1,131.01
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	7,610.34	1,292.58
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	8,600.62	1,454.15
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	9,876.29	1,777.30
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	10,160.02	1,874.71
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	11,905.69	2,299.73
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	18,923.28	2,653.53
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	21,974.72	2,918.87
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	24,801.80	3,184.23
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	31,866.08	3,759.16
22 51 19 00-0038		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	21,517.64	923.86
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	24,139.04	923.86
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	29,132.49	1,181.63
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	38,539.67	1,907.04
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	16,255.61	3,375.66
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	19,388.41	4,050.79
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	2,139.81	406.07
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	3,134.72	541.46
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	286.64	119.65
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	513.08	179.47
22 51 19 00-0052		**Swimming Pool Chlorinators** *(22 51 19)*		
22 51 19 00-0053	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,204.37	171.10
22 51 19 00-0054		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		
22 51 19 00-0055		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta ELP Amalgam Series		
22 51 19 00-0056	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,595.40	373.07
22 51 19 00-0057	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,546.50	373.07
22 51 19 00-0058	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,361.75	373.07
22 51 19 00-0059	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,941.90	395.02
22 51 19 00-0060	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,345.90	395.02
22 51 19 00-0061	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	23,014.41	395.02
22 51 19 00-0062	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	27,158.91	709.43
22 51 19 00-0063	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	40,285.37	709.43
22 51 19 00-0064	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	44,228.96	709.43
22 51 19 00-0065	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	47,426.86	851.10
22 51 19 00-0066	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	50,939.60	851.10
22 51 19 00-0067	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	53,391.92	851.10
22 51 19 00-0068	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	56,043.06	851.10
22 51 19 00-0069	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	60,194.81	967.41
22 51 19 00-0070	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	64,834.32	967.41
22 51 19 00-0071	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	69,473.81	967.41
22 51 19 00-0072	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	75,107.48	967.41
22 51 19 00-0073		**HDPE Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta EL Series		
22 51 19 00-0074	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,260.91	373.07
22 51 19 00-0075	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,188.78	373.07
22 51 19 00-0076	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	10,149.78	395.02
22 51 19 00-0077		**In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta EM Series		
22 51 19 00-0078	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,121.16	373.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0079	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,452.52	373.07
22 51 19 00-0080	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	34,631.84	709.43
22 51 19 00-0081	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,871.04	709.43
22 51 19 00-0082	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	61,212.78	851.10
22 51 19 00-0083	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	69,076.14	967.41
22 51 19 00-0084	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	81,438.15	1,251.88
22 51 19 00-0085	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	91,379.90	1,251.88

22 51 23 Swimming Pool Equipment Controls *(22 51)*

22 51 23 00-0001 Pool Pump Variable Frequency Drive *(22 51 23)*

Note: Pentair Acu Drive XS

22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,909.21	216.95
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,267.91	244.08
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,305.88	305.10
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,694.68	364.08
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	7,155.67	423.75
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	8,108.92	484.09
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,915.48	216.95
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	5,178.04	244.08
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,570.24	305.10
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,979.93	364.08
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	7,053.27	423.75
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,830.96	484.09
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,359.60	216.95
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,313.92	244.08
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	8,119.92	305.10
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,744.87	364.08
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	10,296.79	423.75
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,607.41	484.09
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,834.01	216.95
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	7,101.17	244.08
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,486.68	305.10
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	7,898.46	364.08
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	9,011.50	423.75
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	9,853.99	484.09
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,668.54	216.95
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,747.33	216.95
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,796.00	216.95
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	4,927.14	216.95
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	5,125.25	216.95
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,278.92	216.95
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,648.06	244.08
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,729.88	305.10
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	7,187.83	364.08
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,663.54	423.75
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,706.44	484.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	11,445.12	603.41
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	12,634.71	664.43
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	14,962.45	725.45
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	17,408.06	847.49
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	19,075.45	908.51
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,766.72	216.95
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,868.48	216.95
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	4,996.51	216.95
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	5,106.56	216.95
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	5,218.71	216.95
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,337.06	216.95
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,608.60	244.08
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	6,005.17	305.10
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,425.33	364.08
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,814.30	423.75
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,610.50	484.09
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	9,469.47	603.41
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,716.21	664.43
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	12,105.89	725.45
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	14,848.12	847.49
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	16,319.57	908.51
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	18,314.99	969.53
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	21,736.55	1,027.16
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	25,097.97	1,084.78
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	27,210.94	1,213.60
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	31,793.14	1,328.86
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,769.01	216.95
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,847.80	216.95
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,896.48	216.95
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	7,027.62	216.95
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	7,225.72	216.95
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	7,379.39	216.95
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,748.54	244.08
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,592.57	305.10
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	9,293.39	364.08
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	10,887.40	423.75
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	12,302.47	484.09
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	14,471.58	603.41
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	15,932.20	664.43
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	20,391.47	725.45
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	26,921.33	847.49
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	29,594.32	908.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,739.21	216.95
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,840.95	216.95
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	6,969.00	216.95
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	7,079.05	216.95
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	7,191.17	216.95
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	7,309.55	216.95
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,581.09	244.08
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	7,975.52	305.10
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	8,395.69	364.08
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,827.44	423.75
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,689.84	484.09
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	11,689.76	603.41
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	13,179.61	664.43
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	15,626.33	725.45
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	17,976.85	847.49
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	20,024.89	908.51
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	23,280.21	969.53
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	30,780.03	1,027.16
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	34,066.86	1,084.78
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	42,846.36	1,213.60
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	50,375.54	1,328.86
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	466.63	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	744.63	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	824.05	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,399.90	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,670.72	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,669.68	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,745.69	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,904.99	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	2,043.12	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,389.90	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,461.30	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,613.25	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,747.06	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,283.77	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,296.76	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,129.06	180.80
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,133.07	180.80
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,199.69	203.40
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,345.54	254.25
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,691.35	303.40
		For Bypass Panel, Add	*916.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,216.23	353.12
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	6,151.64	403.40
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,377.78	505.10
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,643.64	555.39
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,872.85	605.11
		For Bypass Panel, Add	*1,323.01*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	4,106.32	180.80
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	4,111.67	180.80
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,137.09	180.80
		For Bypass Panel, Add	*916.06*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,221.10	203.40
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,575.66	254.25
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	5,095.39	303.40
		For Bypass Panel, Add	*1,083.42*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	6,039.03	353.12
		For Bypass Panel, Add	*1,323.01*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	6,165.02	403.40
		For Bypass Panel, Add	*1,323.01*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,524.35	505.10
		For Bypass Panel, Add	*1,808.78*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,756.02	555.39
		For Bypass Panel, Add	*2,505.94*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	550.71	84.75
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	550.71	84.75
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	591.96	56.50
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	676.98	25.42
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	698.68	28.25
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	715.04	31.08
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	746.11	33.90
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	759.78	36.72
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	994.21	39.55
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	1,035.98	42.37
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,081.77	45.20
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,126.22	48.03
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,165.31	50.85
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,607.11	53.67
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	199.65	28.25
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	213.33	31.08
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	239.05	33.90
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	316.94	36.72
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	356.04	39.55
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	368.38	42.37
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	380.72	45.20
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	403.76	48.03
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	513.77	50.85
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	527.44	53.67
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	200.99	28.25
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	221.36	31.08
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	243.06	33.90
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	255.40	36.72
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	266.40	39.55
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	336.27	42.37
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	349.95	45.20
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	367.64	48.03
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	379.98	50.85
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	460.55	53.67
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	502.32	56.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	82.30	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	112.86	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	140.75	
22 51 23 00-0176		Pool Flow Meters *(22 51 23)*		
22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	152.75	23.93
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	152.75	23.93
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	238.51	44.86
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	200.60	47.86
22 51 23 00-0181		Paddlewheel Flow Sensors *(22 51 23)*		
22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0)	990.44	65.26
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,323.58	65.26
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,323.58	65.26
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,375.75	65.26
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,431.94	65.26
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,538.31	65.26
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,538.31	65.26
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,604.53	65.26
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,668.75	65.26
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1)	1,036.60	65.26
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,375.75	65.26
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,375.75	65.26
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,431.94	65.26
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,484.12	65.26
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)	1,078.74	65.26
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	343.55	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	474.94	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	584.27	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	717.67	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	949.40	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	962.39	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	323.19	18.08
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	449.62	18.08
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	557.99	18.08
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	710.51	18.08
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	991.46	18.08

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 63 Gas Systems for Laboratory and Healthcare Facilities *(22 60)*

22 63 13 Gas Piping for Laboratory and Healthcare Facilities *(22 63)*

22 63 13 53 Laboratory Gas Piping *(22 63 13)*

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2422 for PVC piping.

22 63 13 70 Healthcare Gas Piping *(22 63 13)*

22 63 13 70-0001 Zone Valve Assemblies *(22 63 13 70)*

22 63 13 70-0002 Single Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0003	EA	1/2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-05)	507.96	95.00
22 63 13 70-0004	EA	3/4" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-07)	542.77	103.01
22 63 13 70-0005	EA	1" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-10)	577.44	109.59
22 63 13 70-0006	EA	1-1/4" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-12)	649.02	119.65
22 63 13 70-0007	EA	1-1/2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-15)	742.10	126.95
22 63 13 70-0008	EA	2" Diameter, Single Zone Valve Assembly With Gauge (Amico VBU-M-20)	918.22	136.99

22 63 13 70-0009 Double Zone Valve Assemblies *(22 63 13 70-0001)*

22 63 13 70-0010	EA	1/2" x 1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0505)	726.38	136.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0011	EA	1/2" x 3/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0507)	761.19	144.17
22 63 13 70-0012	EA	1/2" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0510)	803.00	150.63
22 63 13 70-0013	EA	1/2" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0512)	886.47	160.80
22 63 13 70-0014	EA	1/2" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0515)	991.44	168.11
22 63 13 70-0015	EA	3/4" x 3/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0707)	793.60	152.19
22 63 13 70-0016	EA	3/4" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0710)	835.43	158.77
22 63 13 70-0017	EA	3/4" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0712)	921.28	168.82
22 63 13 70-0018	EA	3/4" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-0715)	981.05	176.12
22 63 13 70-0019	EA	1" x 1" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1010)	867.73	165.23
22 63 13 70-0020	EA	1" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1012)	920.28	175.40
22 63 13 70-0021	EA	1" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1015)	1,018.11	182.70
22 63 13 70-0022	EA	1-1/4" x 1-1/4" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1212)	1,058.46	185.45
22 63 13 70-0023	EA	1-1/4" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1215)	1,099.20	192.87
22 63 13 70-0024	EA	1-1/2" x 1-1/2" Diameter, Double Zone Valve Assembly With Gauges (Amico VBU-M-1515)	1,204.18	200.17
22 63 13 70-0025		Triple Zone Valve Assemblies *(22 63 13 70-0001)*		
22 63 13 70-0026	EA	1/2" x 1/2" x 1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050505)	987.61	177.20
22 63 13 70-0027	EA	1/2" x 1/2" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050507)	1,022.41	185.33
22 63 13 70-0028	EA	1/2" x 1/2" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050510)	1,064.23	191.79
22 63 13 70-0029	EA	1/2" x 1/2" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050512)	1,150.09	201.96
22 63 13 70-0030	EA	1/2" x 1/2" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050515)	1,257.43	209.27
22 63 13 70-0031	EA	1/2" x 3/4" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050707)	1,059.60	193.35
22 63 13 70-0032	EA	1/2" x 3/4" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050710)	1,101.41	199.80
22 63 13 70-0033	EA	1/2" x 3/4" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050712)	1,184.88	209.98
22 63 13 70-0034	EA	1/2" x 3/4" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-050715)	1,292.23	217.28
22 63 13 70-0035	EA	1/2" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051010)	1,143.22	206.39
22 63 13 70-0036	EA	1/2" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051012)	1,226.70	216.56
22 63 13 70-0037	EA	1/2" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-051015)	1,334.04	223.86
22 63 13 70-0038	EA	3/4" x 3/4" x 3/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070707)	1,094.42	201.36
22 63 13 70-0039	EA	3/4" x 3/4" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070710)	1,136.22	207.95
22 63 13 70-0040	EA	3/4" x 3/4" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070712)	1,219.69	217.99
22 63 13 70-0041	EA	3/4" x 3/4" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-070715)	1,327.05	225.29
22 63 13 70-0042	EA	3/4" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071010)	1,178.03	214.41
22 63 13 70-0043	EA	3/4" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071012)	1,261.51	224.57
22 63 13 70-0044	EA	3/4" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-071015)	1,366.47	231.87
22 63 13 70-0045	EA	1" x 1" x 1" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-1010110)	1,158.00	220.98
22 63 13 70-0046	EA	1" x 1" x 1-1/4" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101012)	1,239.09	231.04
22 63 13 70-0047	EA	1" x 1" x 1-1/2" Diameter, Triple Zone Valve Assembly With Gauges (Amico VBU-M-101015)	1,410.67	238.46
22 63 13 70-0048		Medical Gas Copper Pipe And Fittings *(22 63 13 70)*		
22 63 13 70-0049		Medical Gas Copper Pipe, ASTM B819 *(22 63 13 70-0048)*		
22 63 13 70-0050	LF	1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/4")	10.23	4.16
22 63 13 70-0051	LF	3/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/8")	13.05	4.16
22 63 13 70-0052	LF	1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1/2")	14.12	4.16
22 63 13 70-0053	LF	5/8" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 5/8")	16.10	4.16
22 63 13 70-0054	LF	3/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3/4")	22.04	4.16
22 63 13 70-0055	LF	1" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1")	26.20	4.16
22 63 13 70-0056	LF	1-1/4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/4")	31.60	4.16
22 63 13 70-0057	LF	1-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 1-1/2")	39.58	4.16
22 63 13 70-0058	LF	2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2")	56.69	4.16
22 63 13 70-0059	LF	2-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 2-1/2")	80.55	6.88
22 63 13 70-0060	LF	3" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3")	100.29	6.88
22 63 13 70-0061	LF	3-1/2" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 3-1/2")	128.91	10.39
22 63 13 70-0062	LF	4" Type K, ASTM B819, Washed And Capped Copper Pipe, Medical/Hospital (OXY/MED) Gas Systems (Cambridge-Lee Industries 4")	178.30	10.39
22 63 13 70-0063		Medical Gas Copper Fittings *(22 63 13 70-0048)*		
22 63 13 70-0064		Medical Gas Copper 90 Degree Elbows *(22 63 13 70-0063)*		
22 63 13 70-0065	EA	1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P049)	50.92	31.57
22 63 13 70-0066	EA	3/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P050)	52.73	33.00
22 63 13 70-0067	EA	1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P079)	55.78	34.69
22 63 13 70-0068	EA	5/8" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P080)	61.73	36.51
22 63 13 70-0069	EA	3/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P081)	60.96	36.51
22 63 13 70-0070	EA	1" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P082)	74.05	43.40
22 63 13 70-0071	EA	1-1/4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P055)	78.95	46.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 63 13 70-0072	EA	1-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P056)	95.57	53.27
22 63 13 70-0073	EA	2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P057)	117.69	63.02
22 63 13 70-0074	EA	2-1/2" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P058)	212.23	106.68
22 63 13 70-0075	EA	3" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMA3)	259.58	126.04
22 63 13 70-0076	EA	4" 90 Degree Copper Elbow, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMA4)	393.73	154.11
22 63 13 70-0077		Medical Gas Copper Tees *(22 63 13 70-0063)*		
22 63 13 70-0078	EA	1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P095)	77.15	46.26
22 63 13 70-0079	EA	3/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P096)	80.23	49.51
22 63 13 70-0080	EA	1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P098)	81.77	53.27
22 63 13 70-0081	EA	5/8" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R568)	102.19	57.82
22 63 13 70-0082	EA	3/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P103)	91.00	57.82
22 63 13 70-0083	EA	1" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P109)	117.58	69.39
22 63 13 70-0084	EA	1-1/4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P113)	135.68	77.06
22 63 13 70-0085	EA	1-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P117)	157.48	86.67
22 63 13 70-0086	EA	2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R499)	196.08	99.01
22 63 13 70-0087	EA	2-1/2" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMD9)	339.97	173.34
22 63 13 70-0088	EA	3" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VME5)	429.69	198.16
22 63 13 70-0089	EA	4" Copper Tee, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG2)	686.12	277.29
22 63 13 70-0090		Medical Gas Copper Couplings *(22 63 13 70-0063)*		
22 63 13 70-0091	EA	1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R491)	42.58	27.68
22 63 13 70-0092	EA	3/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R495)	44.65	28.85
22 63 13 70-0093	EA	1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R489)	46.10	30.14
22 63 13 70-0094	EA	5/8" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R493)	50.54	31.57
22 63 13 70-0095	EA	3/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R490)	51.30	33.00
22 63 13 70-0096	EA	1" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R492)	61.68	38.46
22 63 13 70-0097	EA	1-1/4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R501)	68.72	40.80
22 63 13 70-0098	EA	1-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R509)	78.75	46.26
22 63 13 70-0099	EA	2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R516)	94.82	53.27
22 63 13 70-0100	EA	2-1/2" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R615)	173.38	92.38
22 63 13 70-0101	EA	3" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R690)	212.25	106.68
22 63 13 70-0102	EA	4" Copper Coupling, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R692)	282.09	129.94
22 63 13 70-0103		Medical Gas Copper Caps *(22 63 13 70-0063)*		
22 63 13 70-0104	EA	1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R498)	27.30	17.29
22 63 13 70-0105	EA	3/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R521)	28.04	17.29
22 63 13 70-0106	EA	1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P121)	26.74	17.29
22 63 13 70-0107	EA	5/8" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 39R511)	29.90	18.19
22 63 13 70-0108	EA	3/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P122)	28.65	18.19
22 63 13 70-0109	EA	1" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P123)	36.18	21.70
22 63 13 70-0110	EA	1-1/4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P124)	41.13	23.91
22 63 13 70-0111	EA	1-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P125)	47.54	26.64
22 63 13 70-0112	EA	2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 5P126)	61.15	31.57
22 63 13 70-0113	EA	2-1/2" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG6)	94.71	34.69
22 63 13 70-0114	EA	3" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG7)	114.95	38.46
22 63 13 70-0115	EA	4" Copper Cap, Medical/Hospital (OXY/MED) Gas Systems (NIBCO 1VMG8)	166.34	43.40

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.08	6.82
		For Schedule 80, Add	*2.50*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.14*	
		For Work In Restricted Working Space, Add	*3.08*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	18.07	7.66
		For Schedule 80, Add	*3.39*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.90*	
		For Work In Restricted Working Space, Add	*3.47*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	28.48	11.12
		For Schedule 80, Add	*6.11*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.23*	
		For Work In Restricted Working Space, Add	*5.02*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	38.44	14.47
		For Schedule 80, Add	*8.68*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.43*	
		For Work In Restricted Working Space, Add	*6.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	61.99	21.30
		For Schedule 80, Add	*15.64*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.39*	
		For Work In Restricted Working Space, Add	*9.57*	
22 66 53 00-0009		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	58.01	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	75.02	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	99.30	38.88
		For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	142.36	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	274.10	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0015		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	57.67	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	74.15	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	100.97	38.88
		For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	125.52	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	248.00	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0021		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	106.63	55.04
		For Work In Restricted Working Space, Add	*24.76*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	132.93	69.39
		For Work In Restricted Working Space, Add	*31.21*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	171.74	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	236.11	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	411.42	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0027		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees** *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	132.89	69.39
		For Work In Restricted Working Space, Add	*31.21*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	167.70	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	164.12	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	226.91	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	230.38	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	385.81	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	118.41	55.04
		For Work In Restricted Working Space, Add	*24.76*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	135.78	69.39
		For Work In Restricted Working Space, Add	*31.21*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	180.45	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	240.13	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	361.75	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	113.24	55.04
		For Work In Restricted Working Space, Add	*24.76*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	139.05	69.39
		For Work In Restricted Working Space, Add	*31.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	175.39	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	239.14	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	466.69	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0046		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	147.14	69.39
		For Work In Restricted Working Space, Add	*31.21*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	171.23	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	171.23	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	235.55	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	235.55	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	419.08	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	421.87	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	386.98	159.61
		For Work In Restricted Working Space, Add	*71.79*	
22 66 53 00-0055		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses** *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	140.94	68.80
		For Work In Restricted Working Space, Add	*30.94*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	175.34	86.75
		For Work In Restricted Working Space, Add	*39.02*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	233.05	95.00
		For Work In Restricted Working Space, Add	*42.73*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	322.63	124.67
		For Work In Restricted Working Space, Add	*56.09*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	568.95	199.45
		For Work In Restricted Working Space, Add	*89.73*	
22 66 53 00-0061		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	104.48	55.04
		For Work In Restricted Working Space, Add	*24.76*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	136.12	69.39
		For Work In Restricted Working Space, Add	*31.21*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	154.99	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	213.40	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	126.58	69.39
		For Work In Restricted Working Space, Add	*31.21*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	151.15	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	152.69	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	207.69	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	208.67	99.78
		For Work In Restricted Working Space, Add	*44.87*	
22 66 53 00-0071		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps** *(22 66 53 00-0002)*		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	123.26	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	163.84	83.99
		For Work In Restricted Working Space, Add	*37.78*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	245.48	114.02
		For Work In Restricted Working Space, Add	*51.28*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	342.81	145.13
		For Work In Restricted Working Space, Add	*65.26*	
22 66 53 00-0076		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	57.09	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	70.19	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	82.22	38.88
		For Work In Restricted Working Space, Add	*17.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	111.58	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	165.44	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0082		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	54.77	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	71.94	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	85.44	38.88
		For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	114.74	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 66 53 00-0087		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings** *(22 66 53 00-0002)*		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	51.89	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	66.76	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	77.60	38.88
		For Work In Restricted Working Space, Add	*17.51*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	102.63	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	150.92	75.98
		For Work In Restricted Working Space, Add	*34.18*	
22 66 53 00-0093		**Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
22 66 53 00-0094		**Glass Acid Resistant DWV Pipe** *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	1-1/2" Glass Acid Resistant DWV Pipe	30.47	6.58
		For Work In Restricted Working Space, Add	*3.95*	
22 66 53 00-0096	LF	2" Glass Acid Resistant DWV Pipe	37.91	7.18
		For Work In Restricted Working Space, Add	*4.31*	
22 66 53 00-0097	LF	3" Glass Acid Resistant DWV Pipe	52.53	10.05
		For Work In Restricted Working Space, Add	*6.05*	
22 66 53 00-0098	LF	4" Glass Acid Resistant DWV Pipe	84.94	13.05
		For Work In Restricted Working Space, Add	*7.83*	
22 66 53 00-0099	LF	6" Glass Acid Resistant DWV Pipe	141.10	17.83
		For Work In Restricted Working Space, Add	*10.68*	
22 66 53 00-0100		**Glass Acid Resistant DWV 90 Or 60 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0101	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	95.32	29.31
		For Work In Restricted Working Space, Add	*17.55*	
22 66 53 00-0102	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	108.55	31.10
		For Work In Restricted Working Space, Add	*18.63*	
22 66 53 00-0103	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	147.12	35.30
		For Work In Restricted Working Space, Add	*21.18*	
22 66 53 00-0104	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	215.51	46.66
		For Work In Restricted Working Space, Add	*28.00*	
22 66 53 00-0105	EA	6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep	501.60	64.61
		For Work In Restricted Working Space, Add	*38.77*	
22 66 53 00-0106		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps** *(22 66 53 00-0093)*		
22 66 53 00-0107	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	95.56	29.43
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0108	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	108.07	30.75
		For Work In Restricted Working Space, Add	*18.48*	
22 66 53 00-0109	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	146.88	35.18
		For Work In Restricted Working Space, Add	*21.11*	
22 66 53 00-0110	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	215.51	46.66
		For Work In Restricted Working Space, Add	*28.00*	
22 66 53 00-0111	EA	6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep	501.57	64.61
		For Work In Restricted Working Space, Add	*38.76*	
22 66 53 00-0112		**Glass Acid Resistant DWV 90 Or 60 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0113	EA	1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	96.56	29.43
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0114	EA	2" Glass Acid Resistant DWV 90 Or 60 Degree Bend	109.28	30.75
		For Work In Restricted Working Space, Add	*18.48*	
22 66 53 00-0115	EA	3" Glass Acid Resistant DWV 90 Or 60 Degree Bend	148.99	35.18
		For Work In Restricted Working Space, Add	*21.11*	
22 66 53 00-0116	EA	4" Glass Acid Resistant DWV 90 Or 60 Degree Bend	215.51	46.66
		For Work In Restricted Working Space, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0117		**Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends** *(22 66 53 00-0093)*		
22 66 53 00-0118	EA	1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	96.56	29.43
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0119	EA	2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	109.28	30.75
		For Work In Restricted Working Space, Add	*18.48*	
22 66 53 00-0120	EA	3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	148.99	35.18
		For Work In Restricted Working Space, Add	*21.11*	
22 66 53 00-0121	EA	4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend	215.51	46.66
		For Work In Restricted Working Space, Add	*28.00*	
22 66 53 00-0122		**Glass Acid Resistant DWV 90 Degree Bends With Long Leg** *(22 66 53 00-0093)*		
22 66 53 00-0123	EA	1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg	110.91	29.43
		For Work In Restricted Working Space, Add	*17.63*	
22 66 53 00-0124	EA	2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg	129.89	30.75
		For Work In Restricted Working Space, Add	*18.48*	
22 66 53 00-0125		**Glass Acid Resistant DWV Double Quarter Bends** *(22 66 53 00-0093)*		
22 66 53 00-0126	EA	1-1/2" Glass Acid Resistant DWV Double Quarter Bend	153.90	44.03
		For Work In Restricted Working Space, Add	*26.44*	
22 66 53 00-0127	EA	2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend	190.71	45.59
		For Work In Restricted Working Space, Add	*27.35*	
22 66 53 00-0128	EA	2" Glass Acid Resistant DWV Double Quarter Bend	178.71	46.18
		For Work In Restricted Working Space, Add	*27.73*	
22 66 53 00-0129	EA	3" Glass Acid Resistant DWV Double Quarter Bend	239.29	52.76
		For Work In Restricted Working Space, Add	*31.67*	
22 66 53 00-0130	EA	4" Glass Acid Resistant DWV Double Quarter Bend	390.06	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0131	EA	6" Glass Acid Resistant DWV Double Quarter Bend	595.28	96.91
		For Work In Restricted Working Space, Add	*58.16*	
22 66 53 00-0132		**Glass Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0133	EA	1-1/2" Glass Acid Resistant DWV Sanitary Tee	147.87	44.27
		For Work In Restricted Working Space, Add	*26.56*	
22 66 53 00-0134	EA	2" Glass Acid Resistant DWV Sanitary Tee	151.45	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0135	EA	3" Glass Acid Resistant DWV Sanitary Tee	193.78	52.64
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0136	EA	4" Glass Acid Resistant DWV Sanitary Tee	298.76	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0137	EA	6" Glass Acid Resistant DWV Sanitary Tee	619.19	96.91
		For Work In Restricted Working Space, Add	*58.15*	
22 66 53 00-0138		**Glass Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0139	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	150.26	45.47
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0140	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	177.55	49.65
		For Work In Restricted Working Space, Add	*29.79*	
22 66 53 00-0141	EA	3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	188.07	50.85
		For Work In Restricted Working Space, Add	*30.51*	
22 66 53 00-0142	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee	241.59	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0143	EA	4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	252.54	62.22
		For Work In Restricted Working Space, Add	*37.33*	
22 66 53 00-0144	EA	4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	264.89	64.01
		For Work In Restricted Working Space, Add	*38.41*	
22 66 53 00-0145	EA	6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee	458.90	80.16
		For Work In Restricted Working Space, Add	*48.10*	
22 66 53 00-0146	EA	6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee	493.65	81.95
		For Work In Restricted Working Space, Add	*49.18*	
22 66 53 00-0147	EA	6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee	507.32	87.94
		For Work In Restricted Working Space, Add	*52.76*	
22 66 53 00-0148		**Glass Acid Resistant DWV Double Sanitary Tees** *(22 66 53 00-0093)*		
22 66 53 00-0149	EA	1-1/2" Glass Acid Resistant DWV Double Sanitary Tee	208.27	58.62
		For Work In Restricted Working Space, Add	*35.18*	
22 66 53 00-0150	EA	2" Glass Acid Resistant DWV Double Sanitary Tee	214.23	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0151	EA	3" Glass Acid Resistant DWV Double Sanitary Tee	274.92	70.59
		For Work In Restricted Working Space, Add	*42.35*	
22 66 53 00-0152	EA	4" Glass Acid Resistant DWV Double Sanitary Tee	442.95	93.32
		For Work In Restricted Working Space, Add	*55.99*	
22 66 53 00-0153	EA	6" Glass Acid Resistant DWV Double Sanitary Tee	781.17	129.21
		For Work In Restricted Working Space, Add	*77.54*	
22 66 53 00-0154		**Glass Acid Resistant DWV Reducing Double Sanitary Tees** *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0155	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	211.84	60.42
		For Work In Restricted Working Space, Add	*36.25*	
22 66 53 00-0156	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	243.36	64.61
		For Work In Restricted Working Space, Add	*38.77*	
22 66 53 00-0157	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	256.51	65.81
		For Work In Restricted Working Space, Add	*39.49*	
22 66 53 00-0158	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	368.46	75.98
		For Work In Restricted Working Space, Add	*45.59*	
22 66 53 00-0159	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	365.59	77.77
		For Work In Restricted Working Space, Add	*46.66*	
22 66 53 00-0160	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	392.01	81.95
		For Work In Restricted Working Space, Add	*49.18*	
22 66 53 00-0161	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee	516.51	95.71
		For Work In Restricted Working Space, Add	*57.42*	
22 66 53 00-0162	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee	560.62	99.90
		For Work In Restricted Working Space, Add	*59.93*	
22 66 53 00-0163	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee	634.49	111.27
		For Work In Restricted Working Space, Add	*66.75*	

22 66 53 00-0164 Glass Acid Resistant DWV Tees *(22 66 53 00-0093)*

22 66 53 00-0165	EA	1-1/2" Glass Acid Resistant DWV Tee	161.96	44.27
		For Work In Restricted Working Space, Add	*26.57*	
22 66 53 00-0166	EA	2" Glass Acid Resistant DWV Tee	165.53	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0167	EA	3" Glass Acid Resistant DWV Tee	211.28	52.64
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0168	EA	4" Glass Acid Resistant DWV Tee	326.21	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0169	EA	6" Glass Acid Resistant DWV Tee	652.10	96.91
		For Work In Restricted Working Space, Add	*58.16*	

22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees *(22 66 53 00-0093)*

22 66 53 00-0171	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	164.32	45.47
		For Work In Restricted Working Space, Add	*27.27*	
22 66 53 00-0172	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	192.23	49.65
		For Work In Restricted Working Space, Add	*29.79*	
22 66 53 00-0173	EA	3" x 2" Glass Acid Resistant DWV Reducing Tee	196.73	50.85
		For Work In Restricted Working Space, Add	*30.51*	
22 66 53 00-0174	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee	244.82	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0175	EA	4" x 2" Glass Acid Resistant DWV Reducing Tee	251.02	62.22
		For Work In Restricted Working Space, Add	*37.33*	
22 66 53 00-0176	EA	4" x 3" Glass Acid Resistant DWV Reducing Tee	297.90	64.01
		For Work In Restricted Working Space, Add	*38.42*	
22 66 53 00-0177	EA	6" x 3" Glass Acid Resistant DWV Reducing Tee	553.97	81.95
		For Work In Restricted Working Space, Add	*49.17*	
22 66 53 00-0178	EA	6" x 4" Glass Acid Resistant DWV Reducing Tee	577.89	87.94
		For Work In Restricted Working Space, Add	*52.76*	

22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout *(22 66 53 00-0093)*

22 66 53 00-0180	EA	1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout	186.09	44.27
		For Work In Restricted Working Space, Add	*26.57*	
22 66 53 00-0181	EA	2" Glass Acid Resistant DWV Test Tee With Cleanout	206.46	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0182	EA	3" Glass Acid Resistant DWV Test Tee With Cleanout	262.87	52.64
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0183	EA	4" Glass Acid Resistant DWV Test Tee With Cleanout	443.76	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0184	EA	6" Glass Acid Resistant DWV Test Tee With Cleanout	652.10	96.91
		For Work In Restricted Working Space, Add	*58.16*	

22 66 53 00-0185 Glass Acid Resistant DWV Wyes *(22 66 53 00-0093)*

22 66 53 00-0186	EA	1-1/2" Glass Acid Resistant DWV Wye	150.90	44.27
		For Work In Restricted Working Space, Add	*26.57*	
22 66 53 00-0187	EA	2" Glass Acid Resistant DWV Wye	154.47	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0188	EA	3" Glass Acid Resistant DWV Wye	205.85	52.64
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0189	EA	4" Glass Acid Resistant DWV Wye	312.23	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0190	EA	6" Glass Acid Resistant DWV Wye	609.97	96.91
		For Work In Restricted Working Space, Add	*58.16*	

22 66 53 00-0191 Glass Acid Resistant DWV Reducing Wyes *(22 66 53 00-0093)*

22 66 53 00-0192	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	153.26	45.47
		For Work In Restricted Working Space, Add	*27.27*	
22 66 53 00-0193	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	183.78	49.65
		For Work In Restricted Working Space, Add	*29.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0194	EA	3" x 2" Glass Acid Resistant DWV Reducing Wye	188.78	50.85
		For Work In Restricted Working Space, Add	*30.51*	
22 66 53 00-0195	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye	253.67	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0196	EA	4" x 2" Glass Acid Resistant DWV Reducing Wye	256.05	62.22
		For Work In Restricted Working Space, Add	*37.33*	
22 66 53 00-0197	EA	4" x 3" Glass Acid Resistant DWV Reducing Wye	276.78	64.01
		For Work In Restricted Working Space, Add	*38.42*	
22 66 53 00-0198	EA	6" x 2" Glass Acid Resistant DWV Reducing Wye	445.79	80.16
		For Work In Restricted Working Space, Add	*48.09*	
22 66 53 00-0199	EA	6" x 3" Glass Acid Resistant DWV Reducing Wye	512.14	81.95
		For Work In Restricted Working Space, Add	*49.17*	
22 66 53 00-0200	EA	6" x 4" Glass Acid Resistant DWV Reducing Wye	556.17	87.94
		For Work In Restricted Working Space, Add	*52.76*	

22 66 53 00-0201 Glass Acid Resistant DWV Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0202	EA	1-1/2" Glass Acid Resistant DWV Double Wye	238.63	58.62
		For Work In Restricted Working Space, Add	*35.18*	
22 66 53 00-0203	EA	2" Glass Acid Resistant DWV Double Wye	244.62	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0204	EA	3" Glass Acid Resistant DWV Double Wye	322.07	70.59
		For Work In Restricted Working Space, Add	*42.35*	
22 66 53 00-0205	EA	4" Glass Acid Resistant DWV Double Wye	491.09	93.32
		For Work In Restricted Working Space, Add	*55.98*	
22 66 53 00-0206	EA	6" Glass Acid Resistant DWV Double Wye	807.22	129.21
		For Work In Restricted Working Space, Add	*77.56*	

22 66 53 00-0207 Glass Acid Resistant DWV Reducing Double Wyes *(22 66 53 00-0093)*

22 66 53 00-0208	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	242.19	60.42
		For Work In Restricted Working Space, Add	*36.24*	
22 66 53 00-0209	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	250.58	64.61
		For Work In Restricted Working Space, Add	*38.76*	
22 66 53 00-0210	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Wye	285.96	65.81
		For Work In Restricted Working Space, Add	*39.48*	
22 66 53 00-0211	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye	349.59	75.98
		For Work In Restricted Working Space, Add	*45.60*	
22 66 53 00-0212	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Wye	368.02	77.77
		For Work In Restricted Working Space, Add	*46.66*	
22 66 53 00-0213	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Wye	428.87	81.95
		For Work In Restricted Working Space, Add	*49.17*	
22 66 53 00-0214	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Wye	650.36	95.71
		For Work In Restricted Working Space, Add	*57.41*	
22 66 53 00-0215	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Wye	682.40	99.90
		For Work In Restricted Working Space, Add	*59.94*	
22 66 53 00-0216	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Wye	731.38	111.27
		For Work In Restricted Working Space, Add	*66.77*	

22 66 53 00-0217 Glass Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0218	EA	1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	166.82	44.27
		For Work In Restricted Working Space, Add	*26.57*	
22 66 53 00-0219	EA	2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	171.06	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0220	EA	3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	215.70	52.64
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0221	EA	4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	317.36	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0222	EA	6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend	595.59	96.91
		For Work In Restricted Working Space, Add	*58.16*	

22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0093)*

22 66 53 00-0224	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	169.85	45.47
		For Work In Restricted Working Space, Add	*27.27*	
22 66 53 00-0225	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	186.29	49.65
		For Work In Restricted Working Space, Add	*29.79*	
22 66 53 00-0226	EA	3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	198.84	50.85
		For Work In Restricted Working Space, Add	*30.51*	
22 66 53 00-0227	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	247.63	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0228	EA	4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	257.36	62.22
		For Work In Restricted Working Space, Add	*37.33*	
22 66 53 00-0229	EA	4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	278.29	64.01
		For Work In Restricted Working Space, Add	*38.42*	
22 66 53 00-0230	EA	6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	446.69	80.16
		For Work In Restricted Working Space, Add	*48.09*	
22 66 53 00-0231	EA	6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	503.39	81.95
		For Work In Restricted Working Space, Add	*49.17*	
22 66 53 00-0232	EA	6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	515.94	87.94
		For Work In Restricted Working Space, Add	*52.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0233		**Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0234	EA	1-1/2" Double Glass Combination Wye And 1/8 Bend	223.54	58.62
		For Work In Restricted Working Space, Add	*35.18*	
22 66 53 00-0235	EA	2" Double Glass Combination Wye And 1/8 Bend	257.29	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0236	EA	3" Double Glass Combination Wye And 1/8 Bend	341.17	70.59
		For Work In Restricted Working Space, Add	*42.35*	
22 66 53 00-0237	EA	4" Double Glass Combination Wye And 1/8 Bend	535.54	93.32
		For Work In Restricted Working Space, Add	*55.98*	
22 66 53 00-0238	EA	6" Double Glass Combination Wye And 1/8 Bend	878.17	129.21
		For Work In Restricted Working Space, Add	*77.56*	
22 66 53 00-0239		**Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0093)*		
22 66 53 00-0240	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	229.41	60.42
		For Work In Restricted Working Space, Add	*36.24*	
22 66 53 00-0241	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	286.17	64.61
		For Work In Restricted Working Space, Add	*38.76*	
22 66 53 00-0242	EA	3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	282.74	65.81
		For Work In Restricted Working Space, Add	*39.48*	
22 66 53 00-0243	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	374.33	75.98
		For Work In Restricted Working Space, Add	*45.60*	
22 66 53 00-0244	EA	4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	371.94	77.77
		For Work In Restricted Working Space, Add	*46.66*	
22 66 53 00-0245	EA	4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	414.90	81.95
		For Work In Restricted Working Space, Add	*49.17*	
22 66 53 00-0246	EA	6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	585.56	95.71
		For Work In Restricted Working Space, Add	*57.41*	
22 66 53 00-0247	EA	6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	623.06	99.90
		For Work In Restricted Working Space, Add	*59.94*	
22 66 53 00-0248	EA	6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	724.34	111.27
		For Work In Restricted Working Space, Add	*66.77*	
22 66 53 00-0249		**Glass Acid Resistant DWV Partition Compact Crosses** *(22 66 53 00-0093)*		
22 66 53 00-0250	EA	2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	249.53	60.42
		For Work In Restricted Working Space, Add	*36.24*	
22 66 53 00-0251	EA	2" Glass Acid Resistant DWV Partition Compact Cross	251.96	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0252	EA	2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Compact Cross	267.07	59.82
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0253		**Glass Acid Resistant DWV Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0254	EA	1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	238.79	44.27
		For Work In Restricted Working Space, Add	*26.57*	
22 66 53 00-0255	EA	2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	261.97	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0256	EA	3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	301.28	52.64
		For Work In Restricted Working Space, Add	*31.59*	
22 66 53 00-0257	EA	4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	439.03	70.00
		For Work In Restricted Working Space, Add	*41.99*	
22 66 53 00-0258	EA	6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)	809.98	96.91
		For Work In Restricted Working Space, Add	*58.16*	
22 66 53 00-0259		**Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)** *(22 66 53 00-0093)*		
22 66 53 00-0260	EA	2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	240.54	45.47
		For Work In Restricted Working Space, Add	*27.27*	
22 66 53 00-0261	EA	3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	273.68	49.65
		For Work In Restricted Working Space, Add	*29.79*	
22 66 53 00-0262	EA	3" x 2" Reducing Glass Upright Y Or H (Vent Branch)	290.65	50.85
		For Work In Restricted Working Space, Add	*30.51*	
22 66 53 00-0263	EA	4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)	338.14	61.62
		For Work In Restricted Working Space, Add	*36.97*	
22 66 53 00-0264	EA	4" x 2" Reducing Glass Upright Y Or H (Vent Branch)	356.71	62.22
		For Work In Restricted Working Space, Add	*37.33*	
22 66 53 00-0265	EA	4" x 3" Reducing Glass Upright Y Or H (Vent Branch)	390.11	64.01
		For Work In Restricted Working Space, Add	*38.42*	
22 66 53 00-0266	EA	6" x 3" Reducing Glass Upright Y Or H (Vent Branch)	558.09	81.95
		For Work In Restricted Working Space, Add	*49.17*	
22 66 53 00-0267	EA	6" x 4" Reducing Glass Upright Y Or H (Vent Branch)	633.60	87.94
		For Work In Restricted Working Space, Add	*52.76*	
22 66 53 00-0268		**Glass Acid Resistant DWV Reducers Or Increasers** *(22 66 53 00-0093)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0269	EA	2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	92.00	29.92
		For Eccentric Reducers Or Increasers, Add	*2.57*	
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0270	EA	3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	112.38	32.30
		For Eccentric Reducers Or Increasers, Add	*3.82*	
		For Work In Restricted Working Space, Add	*19.38*	
22 66 53 00-0271	EA	3" x 2" Glass Acid Resistant DWV Reducer Or Increaser	119.31	32.90
		For Eccentric Reducers Or Increasers, Add	*4.28*	
		For Work In Restricted Working Space, Add	*19.74*	
22 66 53 00-0272	EA	4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	151.29	38.29
		For Eccentric Reducers Or Increasers, Add	*5.98*	
		For Work In Restricted Working Space, Add	*22.97*	
22 66 53 00-0273	EA	4" x 2" Glass Acid Resistant DWV Reducer Or Increaser	157.11	38.88
		For Eccentric Reducers Or Increasers, Add	*6.35*	
		For Work In Restricted Working Space, Add	*23.33*	
22 66 53 00-0274	EA	4" x 3" Glass Acid Resistant DWV Reducer Or Increaser	167.14	40.68
		For Eccentric Reducers Or Increasers, Add	*6.86*	
		For Work In Restricted Working Space, Add	*24.41*	
22 66 53 00-0275	EA	6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser	311.73	47.26
		For Eccentric Reducers Or Increasers, Add	*17.38*	
		For Work In Restricted Working Space, Add	*28.36*	
22 66 53 00-0276	EA	6" x 2" Glass Acid Resistant DWV Reducer Or Increaser	326.70	47.86
		For Eccentric Reducers Or Increasers, Add	*18.48*	
		For Work In Restricted Working Space, Add	*28.71*	
22 66 53 00-0277	EA	6" x 3" Glass Acid Resistant DWV Reducer Or Increaser	346.08	49.65
		For Eccentric Reducers Or Increasers, Add	*19.74*	
		For Work In Restricted Working Space, Add	*29.79*	
22 66 53 00-0278	EA	6" x 4" Glass Acid Resistant DWV Reducer Or Increaser	365.18	55.63
		For Eccentric Reducers Or Increasers, Add	*20.31*	
		For Work In Restricted Working Space, Add	*33.38*	

22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps *(22 66 53 00-0093)*

22 66 53 00-0280	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	201.77	44.27
		For Work In Restricted Working Space, Add	*26.56*	
22 66 53 00-0281	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	214.92	45.47
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0282	EA	2" Glass Acid Resistant DWV Swivel P-Trap	238.75	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0283	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	216.45	44.27
		For Work In Restricted Working Space, Add	*26.56*	
22 66 53 00-0284	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	233.62	45.47
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0285	EA	2" Glass Acid Resistant DWV Swivel P-Trap	259.86	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0286	EA	1-1/2" Glass Acid Resistant DWV Swivel P-Trap	220.47	44.27
		For Work In Restricted Working Space, Add	*26.56*	
22 66 53 00-0287	EA	2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap	233.62	45.47
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0288	EA	2" Glass Acid Resistant DWV Swivel P-Trap	259.86	46.06
		For Work In Restricted Working Space, Add	*27.64*	

22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps *(22 66 53 00-0093)*

22 66 53 00-0290	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	266.13	44.27
		For Work In Restricted Working Space, Add	*26.56*	
22 66 53 00-0291	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	329.26	45.47
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0292	EA	2" Glass Acid Resistant DWV Drum P-Trap	338.49	46.06
		For Work In Restricted Working Space, Add	*27.64*	
22 66 53 00-0293	EA	1-1/2" Glass Acid Resistant DWV Drum P-Trap	290.56	44.27
		For Work In Restricted Working Space, Add	*26.56*	
22 66 53 00-0294	EA	2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap	307.23	45.47
		For Work In Restricted Working Space, Add	*27.28*	
22 66 53 00-0295	EA	2" Glass Acid Resistant DWV Drum P-Trap	343.22	46.06
		For Work In Restricted Working Space, Add	*27.64*	

22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs *(22 66 53 00-0093)*

22 66 53 00-0297	EA	1-1/2" Glass Acid Resistant DWV Cleanout Plug	44.90	14.96
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0298	EA	2" Glass Acid Resistant DWV Cleanout Plug	50.00	15.55
		For Work In Restricted Working Space, Add	*9.33*	
22 66 53 00-0299	EA	3" Glass Acid Resistant DWV Cleanout Plug	61.75	17.35
		For Work In Restricted Working Space, Add	*10.41*	
22 66 53 00-0300	EA	4" Glass Acid Resistant DWV Cleanout Plug	95.33	23.33
		For Work In Restricted Working Space, Add	*14.00*	
22 66 53 00-0301	EA	6" Glass Acid Resistant DWV Cleanout Plug	135.71	32.30
		For Work In Restricted Working Space, Add	*19.38*	

22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings *(22 66 53 00-0093)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0303	EA	1-1/2" Glass Acid Resistant DWV Interceptor Trap	546.74	58.62
		For Work In Restricted Working Space, Add	*35.18*	
22 66 53 00-0304	EA	1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	57.78	14.96
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0305	EA	1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly	63.10	14.96
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0306	EA	1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings	92.80	29.92
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0307	EA	3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	172.33	31.10
		For Work In Restricted Working Space, Add	*18.67*	
22 66 53 00-0308	EA	6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	174.34	31.10
		For Work In Restricted Working Space, Add	*18.67*	
22 66 53 00-0309	EA	3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	194.46	31.10
		For Work In Restricted Working Space, Add	*18.67*	
22 66 53 00-0310	EA	3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings	161.47	31.10
		For Work In Restricted Working Space, Add	*18.67*	

22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters *(22 66 53 00-0093)*

Note: Includes teflon spacer.

22 66 53 00-0312	EA	1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	162.91	44.15
		For Work In Restricted Working Space, Add	*26.49*	
22 66 53 00-0313	EA	2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	170.13	46.30
		For Work In Restricted Working Space, Add	*27.78*	
22 66 53 00-0314	EA	3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	229.24	52.76
		For Work In Restricted Working Space, Add	*31.67*	
22 66 53 00-0315	EA	4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter	324.22	70.11
		For Work In Restricted Working Space, Add	*42.03*	

22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.

22 66 53 00-0317	EA	1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	25.24
22 66 53 00-0318	EA	2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	31.84
22 66 53 00-0319	EA	3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	42.57
22 66 53 00-0320	EA	4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	71.73
22 66 53 00-0321	EA	6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping	167.10

22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0093)*

Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.

22 66 53 00-0323	EA	1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	32.55
22 66 53 00-0324	EA	2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	40.73
22 66 53 00-0325	EA	3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	69.15
22 66 53 00-0326	EA	4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	103.07
22 66 53 00-0327	EA	6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings	251.32

22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0328)*

22 66 53 00-0330	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	121.82	10.65
22 66 53 00-0331	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	171.53	13.28
22 66 53 00-0332	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	233.55	15.31
22 66 53 00-0333	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	383.47	21.46
22 66 53 00-0334	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	677.10	28.73
22 66 53 00-0335	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,198.25	36.24
22 66 53 00-0336	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,137.52	48.82
22 66 53 00-0337	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,808.91	55.97

22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0328)*

22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0338)*

22 66 53 00-0340	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	484.41	90.69
22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	634.18	99.78
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,032.21	119.41
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,538.28	141.77
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,539.54	230.93

22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0338)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	280.14	90.69
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	365.84	99.78
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	459.47	119.41
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,221.88	141.77
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,777.36	230.93
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,221.70	287.71
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	6,204.12	345.99
22 66 53 00-0353		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	280.14	90.69
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	365.84	99.78
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	459.47	119.41
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	893.45	141.77
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,352.82	230.93
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,441.29	287.71
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,883.03	345.99
22 66 53 00-0361		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	280.14	90.69
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	365.84	99.78
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	459.18	119.29
22 66 53 00-0365		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0338)*		
22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	384.28	90.69
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	682.24	99.78
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	763.86	119.41
22 66 53 00-0369		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	395.73	135.68
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	497.84	150.39
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	693.82	179.59
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,160.52	213.06
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,567.72	346.69
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	5,068.56	432.90
22 66 53 00-0376		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0338)*		
22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	371.26	130.06
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	433.67	139.63
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	485.02	144.53
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	555.70	159.61
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	595.37	164.63
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	654.60	169.54
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	817.79	184.37
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	908.36	189.12
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	1,017.51	197.81
22 66 53 00-0386		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0338)*		
22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	451.73	135.68
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	545.31	150.04
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	745.84	179.59
22 66 53 00-0390		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0338)*		
22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	427.29	130.06
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	534.11	145.25
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	644.13	165.11
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	691.40	170.02
22 66 53 00-0395		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0338)*		
22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	391.97	135.92
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	541.90	150.39
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	693.60	179.47
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,167.29	212.27
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,472.34	346.35
22 66 53 00-0401		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0338)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0402	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	403.26	130.06
22 66 53 00-0403	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	433.61	139.63
22 66 53 00-0404	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	458.26	145.37
22 66 53 00-0405	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	511.64	159.61
22 66 53 00-0406	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	531.57	164.88
22 66 53 00-0407	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	639.33	170.02
22 66 53 00-0408	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	861.52	184.59
22 66 53 00-0409	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,024.51	189.12
22 66 53 00-0410	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,069.57	197.81
22 66 53 00-0411	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,625.77	279.40
22 66 53 00-0412	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,835.85	288.64
22 66 53 00-0413	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,470.69	303.41
22 66 53 00-0414		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0415	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	467.68	135.68
22 66 53 00-0416	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	557.33	150.04
22 66 53 00-0417	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	825.94	179.59
22 66 53 00-0418	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,271.83	212.50
22 66 53 00-0419		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0338)*		
22 66 53 00-0420	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	387.24	130.06
22 66 53 00-0421	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	449.63	139.63
22 66 53 00-0422	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	498.06	145.25
22 66 53 00-0423	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	539.67	159.61
22 66 53 00-0424	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	624.10	165.11
22 66 53 00-0425	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	707.36	169.90
22 66 53 00-0426	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	913.52	184.59
22 66 53 00-0427	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,140.74	189.23
22 66 53 00-0428	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,250.29	198.15
22 66 53 00-0429		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0338)*		
22 66 53 00-0430	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	240.19	85.43
22 66 53 00-0431	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	263.36	90.21
22 66 53 00-0432	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	294.59	95.00
22 66 53 00-0433	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	474.34	105.29
22 66 53 00-0434	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	497.55	110.19
22 66 53 00-0435	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	537.85	118.28
22 66 53 00-0436	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	699.57	127.32
22 66 53 00-0437	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,016.61	173.23
22 66 53 00-0438	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,082.69	187.89
22 66 53 00-0439		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0338)*		
22 66 53 00-0440	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	643.55	199.45
22 66 53 00-0441	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	851.82	199.45
22 66 53 00-0442	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	870.51	199.45
22 66 53 00-0443	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	976.13	263.78
22 66 53 00-0444		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0338)*		
22 66 53 00-0445	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	720.71	90.69
22 66 53 00-0446	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	870.48	99.78
22 66 53 00-0447	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	1,060.24	119.41
22 66 53 00-0448	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	3,132.33	141.77
22 66 53 00-0449		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0338)*		
22 66 53 00-0450	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	356.24	90.69
22 66 53 00-0451	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	449.94	99.78
22 66 53 00-0452	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	619.67	119.41
22 66 53 00-0453	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	796.66	141.77
22 66 53 00-0454	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,554.23	197.81
22 66 53 00-0455		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0328)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0456	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.88	
22 66 53 00-0457	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	73.43	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0458		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)* Note: ASTM A518.		
22 66 53 00-0459		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0458)*		
22 66 53 00-0460	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	96.68	8.01
22 66 53 00-0461	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	110.02	8.86
22 66 53 00-0462	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	151.80	11.12
22 66 53 00-0463	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	191.52	12.92
22 66 53 00-0464		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0458)*		
22 66 53 00-0465		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0464)*		
22 66 53 00-0466	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	355.61	63.53
22 66 53 00-0467	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	384.03	71.79
22 66 53 00-0468	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	527.21	79.21
22 66 53 00-0469	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	636.21	95.71
22 66 53 00-0470		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0471	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	199.41	63.53
22 66 53 00-0472	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	238.74	71.07
22 66 53 00-0473	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	307.35	79.45
22 66 53 00-0474	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	402.83	95.00
22 66 53 00-0475	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	232.81	67.12
22 66 53 00-0476		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0464)*		
22 66 53 00-0477	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	199.41	63.53
22 66 53 00-0478	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	238.74	71.07
22 66 53 00-0479	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	307.35	79.45
22 66 53 00-0480	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	402.83	95.00
22 66 53 00-0481		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0464)*		
22 66 53 00-0482	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	235.46	63.53
22 66 53 00-0483	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	294.81	71.07
22 66 53 00-0484	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	455.54	79.45
22 66 53 00-0485	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	510.97	95.00
22 66 53 00-0486		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0464)*		
22 66 53 00-0487	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	227.45	63.53
22 66 53 00-0488	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	270.78	71.07
22 66 53 00-0489	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	419.50	79.45
22 66 53 00-0490	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	474.93	95.00
22 66 53 00-0491		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends *(22 66 53 00-0464)*		
22 66 53 00-0492	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	343.59	95.59
22 66 53 00-0493		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees *(22 66 53 00-0464)*		
22 66 53 00-0494	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	279.51	95.59
22 66 53 00-0495	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	345.68	107.68
22 66 53 00-0496	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	456.26	120.00
22 66 53 00-0497	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	691.97	143.70
22 66 53 00-0498		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees *(22 66 53 00-0464)*		
22 66 53 00-0499	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	323.58	103.62
22 66 53 00-0500	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	395.76	111.75
22 66 53 00-0501	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	421.72	115.69
22 66 53 00-0502	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	451.67	127.66
22 66 53 00-0503	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	497.21	131.26
22 66 53 00-0504	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	539.22	135.20
22 66 53 00-0505		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes *(22 66 53 00-0464)*		
22 66 53 00-0506	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	279.99	95.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0507	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	329.66	107.68
22 66 53 00-0508	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	440.24	120.00
22 66 53 00-0509	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	691.97	143.70
22 66 53 00-0510		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0511	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	312.36	104.21
22 66 53 00-0512	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	383.73	111.63
22 66 53 00-0513	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	402.21	116.06
22 66 53 00-0514	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	452.24	128.03
22 66 53 00-0515	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	498.29	131.97
22 66 53 00-0516	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	527.71	135.55
22 66 53 00-0517		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0464)*		
22 66 53 00-0518	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	419.87	127.78
22 66 53 00-0519	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	535.94	143.82
22 66 53 00-0520	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	687.11	159.13
22 66 53 00-0521	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	895.62	191.32
22 66 53 00-0522	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	463.27	135.32
22 66 53 00-0523	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	519.27	143.34
22 66 53 00-0524	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	619.33	151.24
22 66 53 00-0525	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	683.62	167.50
22 66 53 00-0526	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	824.51	176.00
22 66 53 00-0527		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0464)*		
22 66 53 00-0528	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	467.86	127.78
22 66 53 00-0529	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	551.68	143.58
22 66 53 00-0530	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	792.59	159.96
22 66 53 00-0531	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,108.19	191.55
22 66 53 00-0532	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	503.26	135.32
22 66 53 00-0533	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	659.40	143.34
22 66 53 00-0534	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	695.34	151.24
22 66 53 00-0535	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	743.63	167.38
22 66 53 00-0536	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	947.74	175.28
22 66 53 00-0537		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0538	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	311.08	95.24
22 66 53 00-0539	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	361.70	107.68
22 66 53 00-0540	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	440.24	120.00
22 66 53 00-0541	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	736.03	143.70
22 66 53 00-0542		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0543	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	343.70	103.74
22 66 53 00-0544	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	384.20	111.99
22 66 53 00-0545	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	418.23	116.06
22 66 53 00-0546	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	568.39	128.03
22 66 53 00-0547	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	582.39	131.97
22 66 53 00-0548	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	651.87	135.55
22 66 53 00-0549		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0550	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	495.63	127.54
22 66 53 00-0551	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	623.66	143.46
22 66 53 00-0552	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	899.87	159.49
22 66 53 00-0553	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,080.77	191.91
22 66 53 00-0554		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0464)*		
22 66 53 00-0555	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	539.30	135.32
22 66 53 00-0556	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	647.36	143.21
22 66 53 00-0557	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	675.32	151.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0558	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	751.64	167.38
22 66 53 00-0559	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	947.74	175.28
22 66 53 00-0560		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0464)*		
22 66 53 00-0561	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	233.82	67.84
22 66 53 00-0562	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	263.82	71.79
22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	309.81	83.76
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	367.61	79.57
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	389.59	83.51
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	411.58	87.46
22 66 53 00-0567		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0464)*		
22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	215.92	55.87
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	250.92	63.17
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	295.44	71.55
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	539.15	87.10
22 66 53 00-0572		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0464)*		
22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	95.70	31.83
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	113.36	35.53
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	123.64	39.72
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	159.36	47.50
22 66 53 00-0577		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0464)*		
22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	395.11	63.17
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	406.96	71.07
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	503.60	79.45
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	643.14	95.00
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	550.38	67.96
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	758.61	75.85
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	918.55	83.76
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,142.82	99.78
22 66 53 00-0586		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0464)*		
22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	736.93	72.15
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,164.99	79.80
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	768.53	71.79
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,164.99	79.80
22 66 53 00-0591		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0464)*		
22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	684.42	71.79
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	804.53	79.80
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	792.56	71.79
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,745.74	79.80
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,036.83	79.80
22 66 53 00-0597		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0464)*		
22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	283.95	63.89
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	372.02	71.79
22 66 53 00-0600		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0464)*		
22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	143.88	47.86
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	266.01	51.93
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	193.87	59.82
22 66 53 00-0604		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0464)*		
22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	270.35	68.07
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	295.86	71.79
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	329.89	75.73
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	353.54	83.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	329.94	75.85
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	347.87	79.80
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	375.53	87.46
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	426.02	83.76
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	526.04	99.78
22 66 53 00-0614		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	96.12	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	112.14	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	120.15	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	132.17	
22 66 53 00-0619		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0464)*		
22 66 53 00-0620	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	708.71	31.95
22 66 53 00-0621	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	268.24	15.91
22 66 53 00-0622	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	500.54	15.91
22 66 53 00-0623		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0464)*		
22 66 53 00-0624	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,538.24	159.61
22 66 53 00-0625	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	3,134.95	167.62
22 66 53 00-0626	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	2,114.60	15.91
22 66 53 00-0627		**Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)** *(22 66 53)*		
22 66 53 00-0628		**Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe** *(22 66 53 00-0627)*		
		Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	14.07	5.02
22 66 53 00-0630	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	17.86	5.98
22 66 53 00-0631	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	28.93	8.62
22 66 53 00-0632	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	36.76	9.33
22 66 53 00-0633	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	58.08	11.29
22 66 53 00-0634	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	127.25	15.02
22 66 53 00-0635		**Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings** *(22 66 53 00-0627)*		
22 66 53 00-0636		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0637	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	55.14	19.98
		Note: 0.125		
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0638	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	69.61	25.49
		Note: 0.16		
		For Work In Restricted Working Space, Add	*11.49*	
22 66 53 00-0639	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	104.65	34.22
		Note: 0.215		
		For Work In Restricted Working Space, Add	*15.44*	
22 66 53 00-0640	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	144.46	39.84
		Note: 0.25		
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0641	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	296.80	51.81
		Note: 0.325		
		For Work In Restricted Working Space, Add	*23.33*	
22 66 53 00-0642	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	409.98	69.76
		Note: 0.438		
		For Work In Restricted Working Space, Add	*31.41*	
22 66 53 00-0643		**Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0644	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	56.01	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0645	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	73.85	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 66 53 00-0646	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	112.30	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 66 53 00-0647	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	147.26	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0648		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0649	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	54.70	19.98
		For Work In Restricted Working Space, Add	*8.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0650	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	68.47	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 66 53 00-0651	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	106.84	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 66 53 00-0652	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	122.60	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0653	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	261.12	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 66 53 00-0654	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	369.07	69.76
		For Work In Restricted Working Space, Add	*31.41*	

22 66 53 00-0655 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends *(22 66 53 00-0635)*

22 66 53 00-0656	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	55.19	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0657	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	68.43	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 66 53 00-0658	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	105.93	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	129.72	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	217.53	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	248.80	69.76
		For Work In Restricted Working Space, Add	*31.41*	

22 66 53 00-0662 Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends *(22 66 53 00-0635)*

22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	283.91	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	219.14	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	137.38	29.92
		For Work In Restricted Working Space, Add	*13.46*	

22 66 53 00-0666 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	76.18	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	94.95	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	152.26	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	202.22	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	491.57	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	679.47	104.57
		For Work In Restricted Working Space, Add	*47.11*	

22 66 53 00-0673 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	86.50	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	92.40	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	90.70	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	131.58	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	140.67	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	179.47	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	190.55	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	370.22	71.67
		For Work In Restricted Working Space, Add	*32.30*	
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	819.23	89.61
		For Work In Restricted Working Space, Add	*40.38*	

22 66 53 00-0683 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	107.02	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	132.23	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	177.32	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	218.99	79.68
		For Work In Restricted Working Space, Add	*35.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 66 53 00-0688 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees *(22 66 53 00-0635)*

22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	130.36	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	155.67	54.20
		For Work In Restricted Working Space, Add	*24.41*	
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	194.35	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	178.83	65.33
		For Work In Restricted Working Space, Add	*29.43*	
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	200.40	74.06
		For Work In Restricted Working Space, Add	*33.38*	

22 66 53 00-0694 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers *(22 66 53 00-0635)*

22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	72.65	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	81.37	27.04
		For Work In Restricted Working Space, Add	*12.20*	
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	126.26	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0698	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	138.50	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 66 53 00-0699	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	153.23	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 66 53 00-0700	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	204.57	43.07
		For Work In Restricted Working Space, Add	*19.38*	
22 66 53 00-0701	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	233.84	45.83
		For Work In Restricted Working Space, Add	*20.64*	

22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings *(22 66 53 00-0635)*

22 66 53 00-0703	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	55.10	22.73
		For Work In Restricted Working Space, Add	*10.23*	
22 66 53 00-0704	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	62.88	27.04
		For Work In Restricted Working Space, Add	*12.20*	
22 66 53 00-0705	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	69.06	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0706	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	102.77	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 66 53 00-0707	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	110.59	37.09
		For Work In Restricted Working Space, Add	*16.69*	
22 66 53 00-0708	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	165.44	43.07
		For Work In Restricted Working Space, Add	*19.38*	
22 66 53 00-0709	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	164.96	45.83
		For Work In Restricted Working Space, Add	*20.64*	
22 66 53 00-0710	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	431.81	54.80
		For Work In Restricted Working Space, Add	*24.70*	
22 66 53 00-0711	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	455.90	60.78
		For Work In Restricted Working Space, Add	*27.39*	

22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps *(22 66 53 00-0635)*

22 66 53 00-0713	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	94.04	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0714	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	126.04	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 66 53 00-0715	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	201.72	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 66 53 00-0716	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	311.12	59.82
		For Work In Restricted Working Space, Add	*26.92*	

22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes *(22 66 53 00-0635)*

22 66 53 00-0718	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	76.79	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0719	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	102.22	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 66 53 00-0720	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	157.01	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 66 53 00-0721	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	206.11	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0722	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	412.08	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0723	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	478.59	104.57
		For Work In Restricted Working Space, Add	*47.11*	

22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes *(22 66 53 00-0635)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0725	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	83.96	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 66 53 00-0726	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	98.04	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 66 53 00-0727	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	135.14	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 66 53 00-0728	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	145.01	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 66 53 00-0729	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	148.66	49.77
		For Work In Restricted Working Space, Add	*22.43*	
22 66 53 00-0730	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	186.08	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 66 53 00-0731	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	197.26	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 66 53 00-0732	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	299.52	71.67
		For Work In Restricted Working Space, Add	*32.30*	
22 66 53 00-0733	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	358.07	89.61
		For Work In Restricted Working Space, Add	*40.38*	
22 66 53 00-0734	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	392.29	95.59
		For Work In Restricted Working Space, Add	*43.07*	

22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0736	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	119.74	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0737	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	139.91	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 66 53 00-0738	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	217.39	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 66 53 00-0739	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	380.86	79.68
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0740	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	609.79	103.62
		For Work In Restricted Working Space, Add	*46.66*	

22 66 53 00-0741 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes *(22 66 53 00-0635)*

22 66 53 00-0742	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	163.24	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0743	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	206.69	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0744	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	342.66	74.06
		For Work In Restricted Working Space, Add	*33.38*	
22 66 53 00-0745	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	499.18	91.65
		For Work In Restricted Working Space, Add	*41.28*	

22 66 53 00-0746 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0747	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	86.55	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0748	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	113.06	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 66 53 00-0749	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	165.98	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 66 53 00-0750	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	215.88	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0751	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	457.58	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0752	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	784.34	104.57
		For Work In Restricted Working Space, Add	*47.11*	

22 66 53 00-0753 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0635)*

22 66 53 00-0754	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	83.73	32.66
		For Work In Restricted Working Space, Add	*14.72*	
22 66 53 00-0755	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	103.34	35.41
		For Work In Restricted Working Space, Add	*15.98*	
22 66 53 00-0756	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	140.28	44.27
		For Work In Restricted Working Space, Add	*19.92*	
22 66 53 00-0757	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	150.61	47.02
		For Work In Restricted Working Space, Add	*21.18*	
22 66 53 00-0758	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	189.78	52.64
		For Work In Restricted Working Space, Add	*23.69*	
22 66 53 00-0759	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	201.81	56.95
		For Work In Restricted Working Space, Add	*25.67*	
22 66 53 00-0760	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	361.56	68.92
		For Work In Restricted Working Space, Add	*31.05*	
22 66 53 00-0761	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	375.68	71.67
		For Work In Restricted Working Space, Add	*32.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0762		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0763	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	127.51	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0764	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	186.54	50.97
		For Work In Restricted Working Space, Add	*22.97*	
22 66 53 00-0765	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	291.90	68.56
		For Work In Restricted Working Space, Add	*30.87*	
22 66 53 00-0766	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	477.82	79.68
		For Work In Restricted Working Space, Add	*35.90*	
22 66 53 00-0767	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	654.61	103.62
		For Work In Restricted Working Space, Add	*46.66*	
22 66 53 00-0768		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0635)*		
22 66 53 00-0769	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	163.25	45.47
		For Work In Restricted Working Space, Add	*20.46*	
22 66 53 00-0770	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	248.19	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0771	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	296.54	65.33
		For Work In Restricted Working Space, Add	*29.43*	
22 66 53 00-0772	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	309.70	74.06
		For Work In Restricted Working Space, Add	*33.38*	
22 66 53 00-0773	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	388.37	86.02
		For Work In Restricted Working Space, Add	*38.76*	
22 66 53 00-0774	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	433.34	91.65
		For Work In Restricted Working Space, Add	*41.28*	
22 66 53 00-0775		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug** *(22 66 53 00-0635)*		
22 66 53 00-0776	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	82.17	29.92
		For Work In Restricted Working Space, Add	*13.46*	
22 66 53 00-0777	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	98.64	38.29
		For Work In Restricted Working Space, Add	*17.23*	
22 66 53 00-0778	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	163.58	51.45
		For Work In Restricted Working Space, Add	*23.15*	
22 66 53 00-0779	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	207.42	59.82
		For Work In Restricted Working Space, Add	*26.92*	
22 66 53 00-0780	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	434.46	77.65
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0781	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	20.60	9.93
		For Work In Restricted Working Space, Add	*4.49*	
22 66 53 00-0782	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	25.31	12.68
		For Work In Restricted Working Space, Add	*5.74*	
22 66 53 00-0783	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	36.51	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 66 53 00-0784	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	42.00	19.86
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0785	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	67.07	25.84
		For Work In Restricted Working Space, Add	*11.66*	
22 66 53 00-0786		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug** *(22 66 53 00-0635)*		
22 66 53 00-0787	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	46.23	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0788	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	57.52	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 66 53 00-0789	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	86.94	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 66 53 00-0790	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	120.86	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0791	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	183.36	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 66 53 00-0792	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	314.95	69.76
		For Work In Restricted Working Space, Add	*31.44*	
22 66 53 00-0793		**Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 66 53 00-0635)*		
22 66 53 00-0794	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	49.62	19.98
		For Work In Restricted Working Space, Add	*8.98*	
22 66 53 00-0795	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	62.88	25.49
		For Work In Restricted Working Space, Add	*11.49*	
22 66 53 00-0796	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	82.91	34.22
		For Work In Restricted Working Space, Add	*15.44*	
22 66 53 00-0797	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	104.59	39.84
		For Work In Restricted Working Space, Add	*17.95*	
22 66 53 00-0798	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	148.73	51.81
		For Work In Restricted Working Space, Add	*23.33*	
22 66 53 00-0799	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	296.16	69.76
		For Work In Restricted Working Space, Add	*31.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0800		Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0635)*		
22 66 53 00-0801	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	30.46	9.93
22 66 53 00-0802	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	40.25	12.80
22 66 53 00-0803	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	60.56	17.11
22 66 53 00-0804	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	96.88	19.98
22 66 53 00-0805	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	151.05	25.84
22 66 53 00-0806		Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0635)*		
22 66 53 00-0807	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	33.52	9.93
22 66 53 00-0808	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	46.99	12.80
22 66 53 00-0809	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	56.23	17.11
22 66 53 00-0810	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	93.50	19.98
22 66 53 00-0811	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	124.71	25.84
22 66 53 00-0812		Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0635)*		
22 66 53 00-0813	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	30.28	9.93
22 66 53 00-0814	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	37.47	12.80
22 66 53 00-0815	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	57.41	17.11
22 66 53 00-0816	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	94.50	19.98
22 66 53 00-0817	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	120.72	25.84
22 66 53 00-0818	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	187.36	34.94
22 66 70		**Healthcare Chemical-Waste and Vent Piping** *(22 66)*		
22 66 70 00-0001		Hemo-Dyalisis Supply And Waste Box *(22 66 70)*		
22 66 70 00-0002	EA	Stainless Steel Recessed Dialysis Supply And Waste Box With One Valve	1,718.54	64.97
22 66 70 00-0003	EA	Stainless Steel Recessed Dialysis Supply And Waste Box With Two Valves	1,943.42	64.97
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		Acid Neutralization Tank *(22 66 83 16)*		
22 66 83 16-0002		Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	610.11	243.64
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,108.49	337.85
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,377.11	487.28
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,767.39	649.71
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,270.86	779.64
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,108.38	974.56
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,585.37	1,218.20
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,659.00	1,461.84
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,286.53	1,754.20
22 66 83 16-0012		Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	1,009.46	243.64
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,740.79	337.85
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,824.00	487.28
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,721.57	649.71
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,710.89	779.64
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,262.01	974.56
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,729.50	1,218.20
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,402.92	1,461.84
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	9,080.36	1,754.20
22 66 83 16-0022		Chemical Dilution Trap *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	556.08	81.22
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	574.00	81.22
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	591.92	81.22
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	648.11	97.45

22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53		**Laboratory Water Piping** *(22 67 13)*		
22 67 13 53-0001		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*		
22 67 13 53-0002		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*		
22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	16.39	3.47
		For Work In Restricted Working Space, Add	*1.54*	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	20.66	4.31
		For Work In Restricted Working Space, Add	*1.92*	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	27.39	4.55
		For Work In Restricted Working Space, Add	*2.05*	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	45.39	5.02
		For Work In Restricted Working Space, Add	*2.24*	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	61.58	5.98
		For Work In Restricted Working Space, Add	*2.69*	
22 67 13 53-0008		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*		
22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	61.81	12.80
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	75.13	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	89.35	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	141.67	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	173.81	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 67 13 53-0014		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*		
22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	61.81	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	75.13	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	89.35	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	142.70	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	173.81	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 67 13 53-0020		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*		
22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	81.31	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	96.03	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	116.97	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	197.82	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	258.84	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 67 13 53-0026		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*		
22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	201.32	23.93
		For Work In Restricted Working Space, Add	*10.77*	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	237.16	27.88
		For Work In Restricted Working Space, Add	*12.56*	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	248.80	30.27
		For Work In Restricted Working Space, Add	*13.64*	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	309.31	43.07
		For Work In Restricted Working Space, Add	*19.38*	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	369.91	57.43
		For Work In Restricted Working Space, Add	*25.85*	
22 67 13 53-0032		Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts *(22 67 13 53-0001)*		
22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	85.34	15.20
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	102.14	17.58
		For Work In Restricted Working Space, Add	*7.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	116.07	19.98
		For Work In Restricted Working Space, Add	*8.97*	
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	159.96	23.93
		For Work In Restricted Working Space, Add	*10.77*	
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	169.31	26.32
		For Work In Restricted Working Space, Add	*11.85*	
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	175.14	27.88
		For Work In Restricted Working Space, Add	*12.56*	
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	265.42	39.13
		For Work In Restricted Working Space, Add	*17.59*	

22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	73.87	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	91.79	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	107.73	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	154.31	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	204.77	43.07
		For Work In Restricted Working Space, Add	*19.38*	

22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	73.87	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	91.79	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	107.73	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	154.31	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	202.53	43.19
		For Work In Restricted Working Space, Add	*19.40*	

22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings *(22 67 13 53-0001)*

22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	45.72	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	61.92	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	79.01	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	123.29	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	165.77	43.19
		For Work In Restricted Working Space, Add	*19.40*	

22 67 13 53-0058 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions *(22 67 13 53-0001)*

22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	212.85	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	231.02	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	265.74	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	466.65	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	654.04	63.89
		For Work In Restricted Working Space, Add	*28.71*	

22 67 13 53-0064 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps *(22 67 13 53-0001)*

22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	56.31	13.09
		For Work In Restricted Working Space, Add	*5.87*	
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	68.24	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	79.01	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	124.44	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	165.77	43.19
		For Work In Restricted Working Space, Add	*19.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0070		**Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges** *(22 67 13 53-0001)*		
22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	100.84	21.54
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	116.14	25.49
		For Work In Restricted Working Space, Add	*11.58*	
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	141.44	34.33
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	213.90	51.93
		For Work In Restricted Working Space, Add	*23.16*	
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	254.25	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 67 13 53-0076		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings** *(22 67 13 53)*		
22 67 13 53-0077		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe** *(22 67 13 53-0076)*		
22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	14.80	3.47
		For Work In Restricted Working Space, Add	*1.54*	
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	18.89	4.31
		For Work In Restricted Working Space, Add	*1.92*	
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	24.38	4.55
		For Work In Restricted Working Space, Add	*2.05*	
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	30.69	5.02
		For Work In Restricted Working Space, Add	*2.24*	
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	41.88	5.98
		For Work In Restricted Working Space, Add	*2.69*	
22 67 13 53-0083		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows** *(22 67 13 53-0076)*		
22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	51.54	12.80
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	66.22	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	82.52	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	119.52	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	157.64	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 67 13 53-0089		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows** *(22 67 13 53-0076)*		
22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	51.17	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	66.41	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	82.71	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	122.14	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	157.64	43.19
		For Work In Restricted Working Space, Add	*19.40*	
22 67 13 53-0095		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees** *(22 67 13 53-0076)*		
22 67 13 53-0096	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	70.34	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0097	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	83.95	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 67 13 53-0098	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	104.33	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0099	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	157.42	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 67 13 53-0100	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	202.18	63.89
		For Work In Restricted Working Space, Add	*28.71*	
22 67 13 53-0101		**Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees** *(22 67 13 53-0076)*		
22 67 13 53-0102	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	83.13	23.93
		For Work In Restricted Working Space, Add	*10.77*	
22 67 13 53-0103	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	102.59	27.88
		For Work In Restricted Working Space, Add	*12.56*	
22 67 13 53-0104	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	106.19	30.27
		For Work In Restricted Working Space, Add	*13.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0105	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	151.96	43.07
		For Work In Restricted Working Space, Add	*19.38*	
22 67 13 53-0106	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	195.81	57.43
		For Work In Restricted Working Space, Add	*25.85*	

22 67 13 53-0107 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts *(22 67 13 53-0076)*

22 67 13 53-0108	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	59.28	15.20
		For Work In Restricted Working Space, Add	*6.82*	
22 67 13 53-0109	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	67.18	17.58
		For Work In Restricted Working Space, Add	*7.90*	
22 67 13 53-0110	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	70.77	19.98
		For Work In Restricted Working Space, Add	*8.97*	
22 67 13 53-0111	EA	1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	92.50	23.93
		For Work In Restricted Working Space, Add	*10.77*	
22 67 13 53-0112	EA	1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	96.10	26.32
		For Work In Restricted Working Space, Add	*11.85*	
22 67 13 53-0113	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	98.49	27.88
		For Work In Restricted Working Space, Add	*12.56*	
22 67 13 53-0114	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	137.36	39.13
		For Work In Restricted Working Space, Add	*17.59*	

22 67 13 53-0115 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0116	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	51.54	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0117	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	65.09	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0118	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	76.71	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0119	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	105.27	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0120	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	149.34	43.07
		For Work In Restricted Working Space, Add	*19.38*	

22 67 13 53-0121 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0122	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	51.54	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0123	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	65.09	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0124	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	76.71	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0125	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	105.27	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0126	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	149.40	43.19
		For Work In Restricted Working Space, Add	*19.40*	

22 67 13 53-0127 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings *(22 67 13 53-0076)*

22 67 13 53-0128	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	48.35	12.92
		For Work In Restricted Working Space, Add	*5.79*	
22 67 13 53-0129	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	61.35	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0130	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	72.59	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0131	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	104.52	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0132	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	134.78	43.19
		For Work In Restricted Working Space, Add	*19.40*	

22 67 13 53-0133 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions *(22 67 13 53-0076)*

22 67 13 53-0134	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	161.25	
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0135	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	186.67	25.73
		For Work In Restricted Working Space, Add	*11.58*	
22 67 13 53-0136	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	225.99	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0137	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	371.48	51.45
		For Work In Restricted Working Space, Add	*23.16*	
22 67 13 53-0138	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	483.73	63.89
		For Work In Restricted Working Space, Add	*28.71*	

22 67 13 53-0139 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps *(22 67 13 53-0076)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0140	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	48.60	13.09
		For Work In Restricted Working Space, Add	*5.87*	
22 67 13 53-0141	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	61.35	17.11
		For Work In Restricted Working Space, Add	*7.72*	
22 67 13 53-0142	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	72.40	21.30
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0143	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	104.89	33.98
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	134.78	43.19
		For Work In Restricted Working Space, Add	*19.40*	

22 67 13 53-0145 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0076)*

22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	94.14	21.54
		For Work In Restricted Working Space, Add	*9.57*	
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	108.32	25.49
		For Work In Restricted Working Space, Add	*11.58*	
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	130.76	34.33
		For Work In Restricted Working Space, Add	*15.27*	
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	188.16	51.93
		For Work In Restricted Working Space, Add	*23.16*	
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	234.42	63.89
		For Work In Restricted Working Space, Add	*28.71*	

END OF SECTION 22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	600.27
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	857.46
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	900.56
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	993.54
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,799.57
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	807.30
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,160.49
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,229.50
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,616.87
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,504.92
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	958.72
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,413.99
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,256.60
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	5,092.85
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	9,574.34

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	32.49
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	38.99
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	45.49
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	51.98
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	64.97
23 01 20 91-0007	EA	Lock Out Padlock	12.99
23 01 20 91-0008	EA	Lock Out Tags	5.03

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit	395.56

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	709.26
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	390.11
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	856.34
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	450.38
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,168.96
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	510.83
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,332.59
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	599.22
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,935.70
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	692.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,931.98	
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	900.94	
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,231.02	
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,316.12	
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,204.97	
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,785.30	
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,265.38	
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,307.86	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	2.08	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 2,000, Deduct	*-0.39*	
		For >2,000, Deduct	*-0.59*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.80	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000, Deduct	*-0.79*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.25	
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 2,000, Deduct	*-0.77*	
		For >2,000, Deduct	*-1.18*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.73	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 2,000, Deduct	*-1.03*	
		For >2,000, Deduct	*-1.57*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.96	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 2,000, Deduct	*-1.24*	
		For >2,000, Deduct	*-1.89*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	8.75	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 2,000, Deduct	*-1.54*	
		For >2,000, Deduct	*-2.35*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	11.60	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 2,000, Deduct	*-2.06*	
		For >2,000, Deduct	*-3.14*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	13.92	
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 2,000, Deduct	*-2.47*	
		For >2,000, Deduct	*-3.77*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	270.99	

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	205.39	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	256.73	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	366.43	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	439.10	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	548.87	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	713.54	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.35	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	427.70	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	610.84	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	731.91	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	914.89	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,189.36	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.59	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	598.79	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	855.19	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,024.68	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,280.84	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,665.10	
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.84	
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	823.33	
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,175.89	
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,248.31	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System		1,560.38	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System		2,028.49	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System		1.02	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System		1,111.50	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System		1,587.43	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System		1,685.22	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System		2,106.51	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System		2,738.47	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System		1.37	

23 01 20 91-0073 Special Cleaning Of Piping Systems *(23 01 20 91)*

23 01 20 91-0074 Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0075	LF	Up To 1", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing		2.46	
		For >250 To 500, Deduct		*-0.21*	
		For >500 To 2,000, Deduct		*-0.44*	
		For >2,000, Deduct		*-0.67*	
23 01 20 91-0076	LF	>1" To 2", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing		4.02	
		For >250 To 500, Deduct		*-0.34*	
		For >500 To 2,000, Deduct		*-0.71*	
		For >2,000, Deduct		*-1.08*	
23 01 20 91-0077	LF	>2" To 3", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing		5.58	
		For >250 To 500, Deduct		*-0.46*	
		For >500 To 2,000, Deduct		*-0.98*	
		For >2,000, Deduct		*-1.49*	
23 01 20 91-0078	LF	>3" To 4", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing		7.21	
		For >250 To 500, Deduct		*-0.60*	
		For >500 To 2,000, Deduct		*-1.26*	
		For >2,000, Deduct		*-1.92*	
23 01 20 91-0079	LF	>4" To 6", Trisodium Phosphate-Caustic Pipe Disinfection/Flush/Testing		10.05	
		For >250 To 500, Deduct		*-0.84*	
		For >500 To 2,000, Deduct		*-1.76*	
		For >2,000, Deduct		*-2.69*	

23 01 20 91-0080 Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0081	LF	Up To 1", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing		2.54	
		For >250 To 500, Deduct		*-0.21*	
		For >500 To 2,000, Deduct		*-0.44*	
		For >2,000, Deduct		*-0.67*	
23 01 20 91-0082	LF	>1" To 2", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing		4.11	
		For >250 To 500, Deduct		*-0.34*	
		For >500 To 2,000, Deduct		*-0.71*	
		For >2,000, Deduct		*-1.08*	
23 01 20 91-0083	LF	>2" To 3", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing		5.72	
		For >250 To 500, Deduct		*-0.46*	
		For >500 To 2,000, Deduct		*-0.98*	
		For >2,000, Deduct		*-1.49*	
23 01 20 91-0084	LF	>3" To 4", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing		7.41	
		For >250 To 500, Deduct		*-0.60*	
		For >500 To 2,000, Deduct		*-1.26*	
		For >2,000, Deduct		*-1.92*	
23 01 20 91-0085	LF	>4" To 6", Acrysol Qr-1086 and Dequest 2010 Pipe Disinfection/Flush/Testing		10.32	
		For >250 To 500, Deduct		*-0.84*	
		For >500 To 2,000, Deduct		*-1.76*	
		For >2,000, Deduct		*-2.69*	

23 01 20 91-0086 Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing *(23 01 20 91-0073)*

23 01 20 91-0087	LF	Up To 1", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing		2.56	
		For >250 To 500, Deduct		*-0.21*	
		For >500 To 2,000, Deduct		*-0.44*	
		For >2,000, Deduct		*-0.67*	
23 01 20 91-0088	LF	>1" To 2", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing		4.15	
		For >250 To 500, Deduct		*-0.34*	
		For >500 To 2,000, Deduct		*-0.71*	
		For >2,000, Deduct		*-1.08*	
23 01 20 91-0089	LF	>2" To 3", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing		5.77	
		For >250 To 500, Deduct		*-0.46*	
		For >500 To 2,000, Deduct		*-0.98*	
		For >2,000, Deduct		*-1.49*	
23 01 20 91-0090	LF	>3" To 4", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing		7.49	
		For >250 To 500, Deduct		*-0.60*	
		For >500 To 2,000, Deduct		*-1.26*	
		For >2,000, Deduct		*-1.92*	
23 01 20 91-0091	LF	>4" To 6", Drewsperse 4945/4395 Pipe Disinfection/Flush/Testing		10.42	
		For >250 To 500, Deduct		*-0.84*	
		For >500 To 2,000, Deduct		*-1.76*	
		For >2,000, Deduct		*-2.69*	

23 01 20 91-0092 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0093	EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)		416.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0094	EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	524.03	
23 01 20 91-0095	EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	726.87	
23 01 20 91-0096	EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,113.57	
23 01 20 91-0097	EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,375.37	
23 01 20 91-0098	EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,079.03	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.12	
		For Exhaust Ductwork, Add	*1.03*	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*0.61*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.17	
		For Exhaust Ductwork, Add	*1.29*	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*0.77*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	6.94	
		For Exhaust Ductwork, Add	*1.74*	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*1.02*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	9.83	
		For Exhaust Ductwork, Add	*2.46*	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*1.44*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.61	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	12.22	
23 01 30 51-0008	EA	Clean Floor Transition	9.83	
23 01 30 51-0009	SF	Clean Duct Dampers	13.88	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*2.08*	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	27.76	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*4.16*	
23 01 30 51-0011	SF	Clean Louver	11.11	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*1.67*	
23 01 30 51-0012	EA	Clean Turning Vane Set	33.32	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*5.00*	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	33.32	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*5.00*	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	8.33	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*1.25*	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	116.93	
		For Stainless Steel, Add	*73.68*	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*11.22*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	99.94	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*14.99*	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	133.26	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*19.99*	
23 01 30 51-0018	EA	Clean (FCU) Fan Coil Unit	133.26	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*19.99*	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	133.26	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	266.52	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*39.98*	
23 01 30 51-0021	EA	Clean Exhaust Fan	233.21	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*34.98*	
23 01 30 51-0022	EA	Clean Duct Coil	199.89	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*29.98*	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	6.66	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*1.00*	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	333.15	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*49.97*	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	533.04	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*79.96*	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.64	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*0.40*	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.30	
		For Mold Contaminated Cleaning Hgh Efficiency Particulate Air (HEPA) Vacuuming, Add	*0.50*	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.72	
23 01 30 51-0029	EA	Minimum Set-up Charge For Cleaning Of Ductwork Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	942.75	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.60	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 61		**HVAC Air-Distribution Duct Repair** *(23 01 30)*		
23 01 30 61-0001		Repair And Seal Ductwork *(23 01 30 61)* Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.21	
23 01 30 61-0003		Rework Sheet Metal Ductwork *(23 01 30 61)* Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	34.55	
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	67.37	
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	89.02	
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	111.48	
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	155.48	
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	181.39	
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	207.30	
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	233.22	
23 01 50		**Operation and Maintenance of Central Heating Equipment** *(23 01)*		
23 01 50 61		**Central Heating Equipment Repair** *(23 01 50)*		
23 01 50 61-0001		Boiler Repairs *(23 01 50 61)*		
23 01 50 61-0002		Set-up And Maintenance For Boiler Repairs *(23 01 50 61-0001)*		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,794.59	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	3,044.94	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*679.46*	
23 01 50 61-0005	EA	Set-up Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	3,726.13	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,863.06	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	3,726.13	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	116.44	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	349.32	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	13.58	
23 01 50 61-0011		Boiler Tube Replacement *(23 01 50 61-0001)*		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	279.45	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	349.33	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	489.04	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	11.24	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	13.11	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	15.00	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	21.70	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	25.48	
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	32.75	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	34.94	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	52.40	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	69.86	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	87.33	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	104.80	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	122.27	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	104.80	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	139.73	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	174.66	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	209.59	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	244.53	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	279.45	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	417.74	
23 01 50 61-0034		Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*		
23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	3,193.87	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	2,226.37	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,740.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,930.98	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	4,427.59	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	5,064.16	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	9,685.28	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	7,620.61	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	8,038.31	
23 01 50 61-0044		Cast Iron Grate Replacement *(23 01 50 61-0001)*		
23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	155.79	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,290.35	
23 01 50 61-0047		Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,380.71	1,275.44
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	16,428.30	1,579.09
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	19,403.54	1,913.03
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	22,893.59	2,058.66
23 01 50 61-0052		Boiler And Chiller Water Treatment *(23 01 50 61)* Note: 3 Lb. chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.79	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.68	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	167.59	
23 01 50 91		**Central Heating Equipment Restoration** *(23 01 50)*		
23 01 50 91-0001		Boiler Controllers *(23 01 50 91)*		
23 01 50 91-0002	EA	Modulating Controller For Up To 4 Boilers/Heaters	9,016.88	119.71
		For NEMA 4 Enclosure, Add	*5,033.58*	
23 01 50 91-0003	EA	Staging Controller For Up To 4 Boiler/Heaters	1,880.90	119.71
		For NEMA 3R Enclosure, Add	*351.18*	
23 01 60		**Operation and Maintenance of Central Cooling Equipment** *(23 01)*		
23 01 60 61		**Central Cooling Equipment Repair** *(23 01 60)*		
23 01 60 61-0001		Cooling Tower Repairs *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,714.04	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,379.81	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	5,040.70	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,956.76	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,566.64	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	4,099.49	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,565.99	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,367.83	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	6,121.07	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,745.55	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	1,019.61	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,058.31	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,131.05	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,317.96	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,633.65	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,209.35	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,323.36	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,494.41	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	44.68	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	26.96	
23 01 60 71		**Refrigerant Recovery/Recycling** *(23 01 60)*		
23 01 60 71-0001		Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)* See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.		
23 01 60 71-0002	LB	Recovery Of Refrigerant	13.74	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	25.78	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	11.58	
23 01 60 71-0005		Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen *(23 01 60 71)* Note: Includes vacuum of nitrogen from pipe.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	140.47	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	179.70	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	226.10	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	290.36	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	384.58	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.22	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	192.34	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	246.24	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	309.79	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	398.38	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	528.33	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.29	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	244.46	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	313.23	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	394.51	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	507.96	
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	676.19	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.38	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	280.28	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	362.64	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	459.94	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	596.98	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	810.33	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.44	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	333.07	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	431.37	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	598.05	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	711.13	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	967.21	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.52	
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	379.89	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	492.30	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	625.32	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	813.22	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,108.36	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.61	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	845.47	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	957.35	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,122.41	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	942.68	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,001.36	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,313.14	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,107.74	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,072.89	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,342.49	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,122.41	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,157.25	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,709.29	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,225.11	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,267.29	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,239.31	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,944.04	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,863.34	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,684.98	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,222.81	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,255.82	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,493.77	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,158.15	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,194.83	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,711.55	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,710.18	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,010.96	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,734.92	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,454.79	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,889.44	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,927.02	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,256.24	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,346.11	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,225.96	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,772.96	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,974.70	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,376.35	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,697.30	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,333.23	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,690.86	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,243.78	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,895.32	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,087.42	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,839.36	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,425.30	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,977.34	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	20,262.03	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	10,294.24	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,462.03	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,821.92	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,615.57	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,389.05	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	20,938.78	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,859.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	24,659.96	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,961.68	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,566.90	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	32,415.95	
23 05 13 00-0062	EA	250 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,416.37	
23 05 13 00-0063	EA	250 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,312.89	
23 05 13 00-0064	EA	300 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	36,601.01	
23 05 13 00-0065	EA	300 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	35,601.77	
23 05 13 00-0066	EA	350 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	41,885.97	
23 05 13 00-0067	EA	350 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	41,384.04	
23 05 13 00-0068	EA	400 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	49,141.63	
23 05 13 00-0069	EA	400 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	44,914.57	
23 05 13 00-0070	EA	450 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	54,113.09	
23 05 13 00-0071	EA	450 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	50,795.69	

23 05 13 00-0072 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0073 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0072)*

23 05 13 00-0074	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	988.53	
23 05 13 00-0075	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,089.40	
23 05 13 00-0076	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,296.64	
23 05 13 00-0077	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,120.57	
23 05 13 00-0078	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,131.58	
23 05 13 00-0079	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,226.95	
23 05 13 00-0080	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,173.76	
23 05 13 00-0081	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,360.83	
23 05 13 00-0082	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,296.64	
23 05 13 00-0083	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,081.59	
23 05 13 00-0084	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,509.38	
23 05 13 00-0085	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,419.52	
23 05 13 00-0086	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,351.19	
23 05 13 00-0087	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,261.32	
23 05 13 00-0088	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,046.74	
23 05 13 00-0089	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,292.50	
23 05 13 00-0090	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,310.84	

23 05 13 00-0091 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0072)*

23 05 13 00-0092	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,410.35	
23 05 13 00-0093	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,579.07	
23 05 13 00-0094	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,489.21	
23 05 13 00-0095	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,461.70	
23 05 13 00-0096	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,879.85	
23 05 13 00-0097	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,566.24	
23 05 13 00-0098	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,531.39	
23 05 13 00-0099	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,909.19	
23 05 13 00-0100	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,690.95	
23 05 13 00-0101	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,738.63	
23 05 13 00-0102	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,378.70	
23 05 13 00-0103	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,081.59	
23 05 13 00-0104	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,740.47	
23 05 13 00-0105	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,760.17	
23 05 13 00-0106	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,409.88	
23 05 13 00-0107	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,321.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0108	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,935.76	
23 05 13 00-0109	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,824.36	
23 05 13 00-0110	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,604.28	
23 05 13 00-0111	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,493.30	
23 05 13 00-0112	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,891.75	
23 05 13 00-0113	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,561.63	
23 05 13 00-0114	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,993.51	
23 05 13 00-0115	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,271.39	
23 05 13 00-0116	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,319.07	
23 05 13 00-0117	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,979.73	
23 05 13 00-0118	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,573.53	
23 05 13 00-0119	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,648.72	
23 05 13 00-0120	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,028.78	
23 05 13 00-0121	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,622.57	
23 05 13 00-0122	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,701.44	
23 05 13 00-0123	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,429.96	
23 05 13 00-0124	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.30	
23 05 13 00-0125	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,762.85	
23 05 13 00-0126	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,997.56	
23 05 13 00-0127	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,931.11	
23 05 13 00-0128	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,577.15	
23 05 13 00-0129	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,706.38	
23 05 13 00-0130	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,951.24	
23 05 13 00-0131	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,780.68	
23 05 13 00-0132	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	19,064.43	
23 05 13 00-0133	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,230.90	
23 05 13 00-0134	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,113.52	
23 05 13 00-0135	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	22,200.57	
23 05 13 00-0136	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,010.77	
23 05 13 00-0137	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	24,773.67	
23 05 13 00-0138	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	28,496.69	
23 05 13 00-0139	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	35,814.35	

23 05 13 00-0140 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0141	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,465.37	
23 05 13 00-0142	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,610.25	
23 05 13 00-0143	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,778.98	
23 05 13 00-0144	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,499.74	
23 05 13 00-0145	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,667.11	
23 05 13 00-0146	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,641.43	
23 05 13 00-0147	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,081.59	
23 05 13 00-0148	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,110.46	
23 05 13 00-0149	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,744.13	
23 05 13 00-0150	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,712.96	
23 05 13 00-0151	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,109.10	
23 05 13 00-0152	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,922.93	
23 05 13 00-0153	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,063.25	
23 05 13 00-0154	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,167.79	
23 05 13 00-0155	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,044.44	
23 05 13 00-0156	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,254.88	
23 05 13 00-0157	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,538.26	
23 05 13 00-0158	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,206.30	
23 05 13 00-0159	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,084.79	
23 05 13 00-0160	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,772.96	
23 05 13 00-0161	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,312.20	
23 05 13 00-0162	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,778.51	
23 05 13 00-0163	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,414.44	
23 05 13 00-0164	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,744.98	
23 05 13 00-0165	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,526.78	
23 05 13 00-0166	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,326.88	
23 05 13 00-0167	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,734.92	
23 05 13 00-0168	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,034.28	
23 05 13 00-0169	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,511.64	
23 05 13 00-0170	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,238.37	
23 05 13 00-0171	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,574.89	
23 05 13 00-0172	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,060.38	
23 05 13 00-0173	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,263.58	
23 05 13 00-0174	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,546.49	
23 05 13 00-0175	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,933.41	
23 05 13 00-0176	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,749.50	
23 05 13 00-0177	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,325.47	
23 05 13 00-0178	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,949.50	
23 05 13 00-0179	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,335.06	
23 05 13 00-0180	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,711.97	
23 05 13 00-0181	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,064.57	
23 05 13 00-0182	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,034.71	
23 05 13 00-0183	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,595.02	
23 05 13 00-0184	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,243.36	
23 05 13 00-0185	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,000.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0186	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,103.04	
23 05 13 00-0187	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,849.94	
23 05 13 00-0188	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,977.81	
23 05 13 00-0189	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,113.52	
23 05 13 00-0190	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,541.79	
23 05 13 00-0191	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,824.60	
23 05 13 00-0192	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	18,013.55	
23 05 13 00-0193	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,992.01	
23 05 13 00-0194	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,561.82	
23 05 13 00-0195	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,642.56	
23 05 13 00-0196	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,305.11	
23 05 13 00-0197	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,215.62	
23 05 13 00-0198	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,605.84	
23 05 13 00-0199	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,369.25	
23 05 13 00-0200	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	33,004.66	
23 05 13 00-0201	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,190.84	
23 05 13 00-0202	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	30,891.90	
23 05 13 00-0203	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,211.86	
23 05 13 00-0204	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	36,934.93	
23 05 13 00-0205	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	37,162.34	
23 05 13 00-0206	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	48,744.05	
23 05 13 00-0207	EA	250 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	56,463.69	
23 05 13 00-0208	EA	250 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	47,146.25	
23 05 13 00-0209	EA	250 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	67,981.90	
23 05 13 00-0210	EA	300 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	82,522.54	
23 05 13 00-0211	EA	300 HP, 1,800 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	64,981.11	
23 05 13 00-0212	EA	300 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	68,655.26	
23 05 13 00-0213	EA	350 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	99,050.82	
23 05 13 00-0214	EA	350 HP, 1,800 RPM, L449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	77,974.23	
23 05 13 00-0215	EA	350 HP, 1,200 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	131,341.38	
23 05 13 00-0216	EA	400 HP, 3,600 RPM, 449TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	115,883.36	
23 05 13 00-0217	EA	400 HP, 1,800 RPM, L449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	97,390.59	
23 05 13 00-0218	EA	400 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	142,051.86	
23 05 13 00-0219	EA	450 HP, 3,600 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	128,576.88	
23 05 13 00-0220	EA	450 HP, 1,800 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	118,456.35	
23 05 13 00-0221	EA	450 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	149,678.17	
23 05 13 00-0222	EA	500 HP, 3,600 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	131,654.90	
23 05 13 00-0223	EA	500 HP, 1,800 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	124,739.01	
23 05 13 00-0224	EA	500 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	156,904.48	
23 05 13 00-0225	EA	600 HP, 3,600 RPM, 5010 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	138,530.62	
23 05 13 00-0226	EA	600 HP, 1,800 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	131,137.51	
23 05 13 00-0227	EA	600 HP, 1,200 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	187,266.05	
23 05 13 00-0228	EA	700 HP, 3,600 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	185,757.17	
23 05 13 00-0229	EA	700 HP, 1,800 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	137,098.95	
23 05 13 00-0230	EA	700 HP, 1,200 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	216,333.43	
23 05 13 00-0231	EA	800 HP, 3,600 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	198,490.85	
23 05 13 00-0232	EA	800 HP, 1,800 RPM, 5012 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	145,676.60	
23 05 13 00-0233	EA	800 HP, 1,200 RPM, 5810 NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	283,946.21	

23 05 13 00-0234 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0235	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,955.04	
23 05 13 00-0236	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,024.74	
23 05 13 00-0237	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,208.14	
23 05 13 00-0238	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,728.99	
23 05 13 00-0239	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,026.10	
23 05 13 00-0240	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,170.52	
23 05 13 00-0241	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,256.71	
23 05 13 00-0242	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,762.43	
23 05 13 00-0243	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,569.39	
23 05 13 00-0244	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,630.80	
23 05 13 00-0245	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,687.19	
23 05 13 00-0246	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,667.44	
23 05 13 00-0247	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,266.69	
23 05 13 00-0248	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	19,957.59	
23 05 13 00-0249	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	23,429.35	
23 05 13 00-0250	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	28,540.71	
23 05 13 00-0251	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	37,303.56	
23 05 13 00-0252	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	42,563.47	

23 05 13 00-0253 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0254	EA	1/2 HP Motor Mounting	177.36	90.24
23 05 13 00-0255	EA	3/4 HP Motor Mounting	204.35	112.80
23 05 13 00-0256	EA	1 HP Motor Mounting	218.61	112.80
23 05 13 00-0257	EA	1-1/2 HP Motor Mounting	235.00	112.80
23 05 13 00-0258	EA	2 HP Motor Mounting	254.05	135.36
23 05 13 00-0259	EA	3 HP Motor Mounting	293.75	135.36
23 05 13 00-0260	EA	5 HP Motor Mounting	348.15	225.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0261	EA	7-1/2 HP Motor Mounting	447.62	225.60
23 05 13 00-0262	EA	10 HP Motor Mounting	587.51	394.80
23 05 13 00-0263	EA	15 HP Motor Mounting	723.08	394.80
23 05 13 00-0264	EA	20 HP Motor Mounting	854.55	564.00
23 05 13 00-0265	EA	25 HP Motor Mounting	969.07	564.00
23 05 13 00-0266	EA	30 HP Motor Mounting	1,175.00	564.00
23 05 13 00-0267	EA	40 HP Motor Mounting	1,323.94	846.00
23 05 13 00-0268	EA	50 HP Motor Mounting	1,468.75	846.00
23 05 13 00-0269	EA	75 HP Motor Mounting	1,773.58	1,240.80
23 05 13 00-0270	EA	100 HP Motor Mounting	2,136.36	1,240.80
23 05 13 00-0271	EA	125 HP Motor Mounting	2,611.11	1,692.00
23 05 13 00-0272	EA	150 HP Motor Mounting	3,032.26	1,692.00
23 05 13 00-0273	EA	200 HP Motor Mounting	3,481.49	2,030.40
23 05 13 00-0274	EA	250 HP Motor Mounting	3,835.20	2,256.00
23 05 13 00-0275	EA	300 HP Motor Mounting	4,173.60	2,481.60
23 05 13 00-0276	EA	350 HP Motor Mounting	4,512.01	2,707.20
23 05 13 00-0277	EA	400 HP Motor Mounting	4,850.40	2,932.81
23 05 13 00-0278	EA	500 HP Motor Mounting	5,301.60	3,158.40
23 05 13 00-0279	EA	600 HP Motor Mounting	5,752.80	3,440.40
23 05 13 00-0280	EA	700 HP Motor Mounting	6,204.01	3,722.40
23 05 13 00-0281	EA	800 HP Motor Mounting	6,768.01	4,060.81
23 05 13 00-0282		Motor Couplings *(23 05 13)*		
23 05 13 00-0283	EA	5 To 15 HP, MGD Coupling (MagnaDrive MGE-07)	5,367.95	79.00
23 05 13 00-0284	EA	>15 To 50 HP, MGD Coupling (MagnaDrive MGE-11)	6,992.78	118.51
23 05 13 00-0285	EA	>50 To 100 HP, MGD Coupling (MagnaDrive MGE-15)	12,176.35	158.01

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*
Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*
Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	253.97	104.77
		For 300 Lb. Rating, Add	*11.08*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	284.71	118.16
		For 300 Lb. Rating, Add	*12.14*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	334.10	135.44
		For 300 Lb. Rating, Add	*15.82*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	377.98	151.18
		For 300 Lb. Rating, Add	*18.99*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	409.32	162.49
		For 300 Lb. Rating, Add	*21.09*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	470.89	191.21
		For 300 Lb. Rating, Add	*22.14*	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*
Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	645.95	104.74
		For 300 Lb. Rating, Add	*128.96*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	707.07	125.69
		For 300 Lb. Rating, Add	*137.39*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	749.18	159.57
		For 300 Lb. Rating, Add	*137.42*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	808.03	173.57
		For 300 Lb. Rating, Add	*147.60*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	892.66	203.50
		For 300 Lb. Rating, Add	*159.50*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,115.69	341.16
		For 300 Lb. Rating, Add	*172.04*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,491.76	373.15
		For 300 Lb. Rating, Add	*256.51*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,398.83	414.61
		For 300 Lb. Rating, Add	*219.68*	
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,797.09	529.78
		For 300 Lb. Rating, Add	*284.75*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,279.52	644.94
		For 300 Lb. Rating, Add	*368.34*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,976.80	488.54
		For 300 Lb. Rating, Add	*499.61*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,770.56	921.35
		For 300 Lb. Rating, Add	*654.72*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,826.89	1,013.48
		For 300 Lb. Rating, Add	*890.01*	
23 05 16 00-0023	EA	18" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	9,200.09	1,124.04
		For 300 Lb. Rating, Add	*1,948.76*	
23 05 16 00-0024	EA	20" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	10,568.37	1,266.85
		For 300 Lb. Rating, Add	*2,246.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0025	EA	24" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	12,323.16	1,554.77
		For 300 Lb. Rating, Add	*2,594.93*	
23 05 16 00-0026	EA	30" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	15,885.35	2,533.70
		For 300 Lb. Rating, Add	*3,179.56*	
23 05 16 00-0027	EA	36" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	20,305.23	3,378.27
		For 300 Lb. Rating, Add	*4,020.60*	

23 05 16 00-0028 Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0029	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	701.51	143.65
		For 300 Lb. Rating, Add	*103.58*	
23 05 16 00-0030	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	731.11	144.84
		For 300 Lb. Rating, Add	*110.35*	
23 05 16 00-0031	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	741.05	149.63
		For 300 Lb. Rating, Add	*110.37*	
23 05 16 00-0032	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	800.90	163.15
		For 300 Lb. Rating, Add	*118.55*	
23 05 16 00-0033	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	897.63	191.88
		For 300 Lb. Rating, Add	*128.37*	
23 05 16 00-0034	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,316.15	382.10
		For 300 Lb. Rating, Add	*138.18*	
23 05 16 00-0035	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,602.27	390.08
		For 300 Lb. Rating, Add	*206.03*	
23 05 16 00-0036	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,568.93	431.88
		For 300 Lb. Rating, Add	*176.45*	
23 05 16 00-0037	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,900.38	493.50
		For 300 Lb. Rating, Add	*228.71*	
23 05 16 00-0038	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,390.23	604.63
		For 300 Lb. Rating, Add	*295.85*	
23 05 16 00-0039	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,070.90	732.93
		For 300 Lb. Rating, Add	*401.28*	
23 05 16 00-0040	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,677.83	746.29
		For 300 Lb. Rating, Add	*546.23*	
23 05 16 00-0041	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,836.27	932.86
		For 300 Lb. Rating, Add	*742.53*	

23 05 16 00-0042 Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0043 Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joints *(23 05 16 00-0042)*

23 05 16 00-0044	EA	2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	861.73	159.57
23 05 16 00-0045	EA	2-1/2" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	928.93	173.57
23 05 16 00-0046	EA	3" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,023.30	203.50
23 05 16 00-0047	EA	4" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,256.60	341.16
23 05 16 00-0048	EA	5" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,701.87	373.15
23 05 16 00-0049	EA	6" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	1,578.77	414.61
23 05 16 00-0050	EA	8" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,030.33	529.78
23 05 16 00-0051	EA	10" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	2,581.22	644.94
23 05 16 00-0052	EA	12" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	3,386.03	489.12
23 05 16 00-0053	EA	14" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	4,306.84	921.35
23 05 16 00-0054	EA	16" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	5,555.90	1,013.48
23 05 16 00-0055	EA	18" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	7,247.08	1,124.04
23 05 16 00-0056	EA	20" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	8,439.93	1,266.85
23 05 16 00-0057	EA	24" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	9,722.59	1,554.77
23 05 16 00-0058	EA	30" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	12,698.87	2,533.70
23 05 16 00-0059	EA	36" Flanged, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Bellows Type Expansion Joint	16,275.87	3,378.27

23 05 16 00-0060 Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints *(23 05 16)*

23 05 16 00-0061 Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joints *(23 05 16 00-0060)*

23 05 16 00-0062	EA	2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,010.87	159.57
23 05 16 00-0063	EA	2-1/2" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,089.12	173.57
23 05 16 00-0064	EA	3" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,196.41	203.50
23 05 16 00-0065	EA	4" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,443.33	341.16
23 05 16 00-0066	EA	5" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,980.26	373.15
23 05 16 00-0067	EA	6" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	1,817.20	414.61
23 05 16 00-0068	EA	8" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	2,339.37	529.78
23 05 16 00-0069	EA	10" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	2,980.98	644.94
23 05 16 00-0070	EA	12" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	3,928.27	489.12
23 05 16 00-0071	EA	14" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	5,017.42	921.35
23 05 16 00-0072	EA	16" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	6,521.84	1,013.48
23 05 16 00-0073	EA	18" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	8,562.78	1,124.04
23 05 16 00-0074	EA	20" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	9,984.07	1,266.85
23 05 16 00-0075	EA	24" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	11,474.55	1,554.77
23 05 16 00-0076	EA	30" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	14,845.54	2,533.70
23 05 16 00-0077	EA	36" Flanged, 150 Lb., Chlorobutyl Rubber (CIIR) And Polyester Bellows Type Expansion Joint	18,990.38	3,378.27

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0078		Neoprene Bellows Type Expansion Joints *(23 05 16)*		
23 05 16 00-0079		Flanged, 150 Lb., Neoprene Bellows Type Expansion Joints *(23 05 16 00-0078)*		
		Note: Cast iron ends.		
23 05 16 00-0080	EA	2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,304.22	159.57
23 05 16 00-0081	EA	2-1/2" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,383.72	173.57
23 05 16 00-0082	EA	3" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,436.11	203.50
23 05 16 00-0083	EA	4" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	1,747.04	341.16
23 05 16 00-0084	EA	5" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,076.76	373.15
23 05 16 00-0085	EA	6" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,156.72	414.61
23 05 16 00-0086	EA	8" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,601.57	529.78
23 05 16 00-0087	EA	10" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	2,903.07	644.94
23 05 16 00-0088	EA	12" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	3,228.71	488.89
23 05 16 00-0089	EA	14" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	4,143.60	921.35
23 05 16 00-0090	EA	16" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	5,332.80	1,013.48
23 05 16 00-0091	EA	18" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	6,928.60	1,124.04
23 05 16 00-0092	EA	20" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	8,104.43	1,266.85
23 05 16 00-0093	EA	24" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	9,333.77	1,554.77
23 05 16 00-0094	EA	30" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	12,194.05	2,533.70
23 05 16 00-0095	EA	36" Flanged, 150 Lb., Neoprene Bellows Type Expansion Joint	15,653.52	3,378.27
23 05 16 00-0096		Tube And Cover Expansion Joints *(23 05 16)*		
		Note: Carbon steel split backup rings.		
23 05 16 00-0097		Flanged, 150 Lb., Tube And Cover Expansion Joints *(23 05 16 00-0096)*		
23 05 16 00-0098		Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joints *(23 05 16 00-0097)*		
23 05 16 00-0099	EA	1" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	487.01	89.78
23 05 16 00-0100	EA	1-1/4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	462.17	104.74
23 05 16 00-0101	EA	1-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	551.05	125.69
23 05 16 00-0102	EA	2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	642.25	159.57
23 05 16 00-0103	EA	2-1/2" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	721.87	173.57
23 05 16 00-0104	EA	3" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	817.70	220.98
23 05 16 00-0105	EA	4" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,091.47	370.46
23 05 16 00-0106	EA	5" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,214.35	421.16
23 05 16 00-0107	EA	6" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,344.10	414.61
23 05 16 00-0108	EA	8" x 6" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	1,732.86	471.29
23 05 16 00-0109	EA	10" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	2,564.84	644.94
23 05 16 00-0110	EA	12" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,240.09	783.15
23 05 16 00-0111	EA	14" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	3,635.96	921.35
23 05 16 00-0112	EA	16" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,058.59	1,013.48
23 05 16 00-0113	EA	18" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	4,418.16	1,124.04
23 05 16 00-0114	EA	20" x 8" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	5,297.69	1,266.85
23 05 16 00-0115	EA	24" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	6,432.38	1,554.77
23 05 16 00-0116	EA	30" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	9,242.54	2,533.70
23 05 16 00-0117	EA	36" x 10" Flanged, 150 Lb., Butyl, Ethylene Propylene Diene Monomer (EPDM), Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 451)	11,134.54	3,378.27
23 05 16 00-0118		Flanged, 150 Lb., Rubber Tube And Cover Expansion Joints *(23 05 16 00-0097)*		
23 05 16 00-0119	EA	1" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	462.41	89.78
23 05 16 00-0120	EA	1-1/4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	437.57	104.74
23 05 16 00-0121	EA	1-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	526.45	125.69
23 05 16 00-0122	EA	2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	617.66	159.57
23 05 16 00-0123	EA	2-1/2" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	697.28	173.57
23 05 16 00-0124	EA	3" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	793.10	220.98
23 05 16 00-0125	EA	4" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,054.57	370.46
23 05 16 00-0126	EA	5" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,177.46	421.16
23 05 16 00-0127	EA	6" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,307.21	414.61
23 05 16 00-0128	EA	8" x 6" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	1,740.36	529.78
23 05 16 00-0129	EA	10" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	2,429.56	644.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0130	EA	12" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,117.10	783.15
23 05 16 00-0131	EA	14" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,500.67	921.35
23 05 16 00-0132	EA	16" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	3,923.30	1,013.48
23 05 16 00-0133	EA	18" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	4,270.58	1,124.04
23 05 16 00-0134	EA	20" x 8" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	5,125.51	1,266.85
23 05 16 00-0135	EA	24" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	6,223.30	1,554.77
23 05 16 00-0136	EA	30" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	8,639.92	2,533.70
23 05 16 00-0137	EA	36" x 10" Flanged, 150 Lb., Rubber Tube And Cover Expansion Joint (Mercer 451)	10,790.19	3,378.27
23 05 16 00-0138		Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joints *(23 05 16 00-0097)*		
23 05 16 00-0139	EA	2" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	629.95	159.57
23 05 16 00-0140	EA	3" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	783.88	220.98
23 05 16 00-0141	EA	4" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,042.27	370.46
23 05 16 00-0142	EA	6" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,202.67	414.61
23 05 16 00-0143	EA	8" x 6" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,494.39	529.78
23 05 16 00-0144	EA	10" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	1,851.53	644.94
23 05 16 00-0145	EA	12" x 8" Flanged, 125 Lb., Buna-N Tube And Cover Expansion Joint (Mercer 451)	2,213.17	783.15
23 05 16 00-0146		Flanged, Tube And Cover Expansion Joints (Mercer 501) *(23 05 16 00-0096)*		
23 05 16 00-0147		Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joints (501EE) *(23 05 16 00-0146)*		
23 05 16 00-0148	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	920.00	125.69
23 05 16 00-0149	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,023.50	159.57
23 05 16 00-0150	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,066.23	173.57
23 05 16 00-0151	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,211.25	220.98
23 05 16 00-0152	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,546.51	370.46
23 05 16 00-0153	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,706.29	421.16
23 05 16 00-0154	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	1,811.44	414.61
23 05 16 00-0155	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,416.77	529.78
23 05 16 00-0156	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	2,982.99	644.94
23 05 16 00-0157	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,449.16	783.15
23 05 16 00-0158	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	3,955.72	921.35
23 05 16 00-0159	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,316.85	1,013.48
23 05 16 00-0160	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	4,725.62	1,124.04
23 05 16 00-0161	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	5,543.65	1,266.85
23 05 16 00-0162	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	6,801.33	1,554.77
23 05 16 00-0163	EA	30" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	9,845.16	2,533.70
23 05 16 00-0164	EA	36" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	12,241.40	3,378.27
23 05 16 00-0165	EA	42" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	16,074.58	5,067.41
23 05 16 00-0166	EA	48" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	19,097.07	6,334.25
23 05 16 00-0167	EA	60" x 12" Flanged, Ethylene Propylene Diene Monomer (EPDM) Tube And Cover Expansion Joint (Mercer 501EE)	25,532.52	9,121.32
23 05 16 00-0168		Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 501RR) *(23 05 16 00-0146)*		
23 05 16 00-0169	EA	1-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	870.81	125.69
23 05 16 00-0170	EA	2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	962.01	159.57
23 05 16 00-0171	EA	2-1/2" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,004.74	173.57
23 05 16 00-0172	EA	3" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,137.46	220.98
23 05 16 00-0173	EA	4" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,460.42	370.46
23 05 16 00-0174	EA	5" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,620.20	421.16
23 05 16 00-0175	EA	6" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	1,713.05	414.61
23 05 16 00-0176	EA	8" x 6" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,281.49	529.78
23 05 16 00-0177	EA	10" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	2,823.11	644.94
23 05 16 00-0178	EA	12" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,264.68	783.15
23 05 16 00-0179	EA	14" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	3,746.64	921.35
23 05 16 00-0180	EA	16" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,095.48	1,013.48
23 05 16 00-0181	EA	18" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	4,467.35	1,124.04
23 05 16 00-0182	EA	20" x 8" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	5,248.49	1,266.85
23 05 16 00-0183	EA	24" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	6,444.67	1,554.77
23 05 16 00-0184	EA	30" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	9,340.93	2,533.70
23 05 16 00-0185	EA	36" x 10" Flanged, Natural Rubber Tube And Cover Expansion Joint (Mercer 501RR)	11,638.78	3,378.27
23 05 16 00-0186		Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501) *(23 05 16 00-0146)* Note: 501BB, 501NN or 501NiNi.		
23 05 16 00-0187	EA	1-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	920.00	125.69
23 05 16 00-0188	EA	2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,035.80	159.57
23 05 16 00-0189	EA	2-1/2" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,066.23	173.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0190	EA	3" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,211.25	220.98
23 05 16 00-0191	EA	4" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,546.51	370.46
23 05 16 00-0192	EA	5" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,706.29	421.16
23 05 16 00-0193	EA	6" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	1,823.74	414.61
23 05 16 00-0194	EA	8" x 6" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,416.77	529.78
23 05 16 00-0195	EA	10" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	2,982.99	644.94
23 05 16 00-0196	EA	12" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,449.16	783.15
23 05 16 00-0197	EA	14" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	3,955.72	921.35
23 05 16 00-0198	EA	16" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,316.85	1,013.48
23 05 16 00-0199	EA	18" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	4,725.62	1,124.04
23 05 16 00-0200	EA	20" x 8" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	5,543.65	1,266.85
23 05 16 00-0201	EA	24" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	6,801.33	1,554.77
23 05 16 00-0202	EA	30" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	9,845.16	2,533.70
23 05 16 00-0203	EA	36" x 10" Flanged, Butyl, Neoprene Or Nitrile Tube And Cover Expansion Joint (Mercer 501)	12,241.40	3,378.27

23 05 16 00-0204 Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joints (Mercer 501NNFA) *(23 05 16 00-0146)*

23 05 16 00-0205	EA	1-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	956.90	125.69
23 05 16 00-0206	EA	2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,060.40	159.57
23 05 16 00-0207	EA	2-1/2" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,103.12	173.57
23 05 16 00-0208	EA	3" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,260.44	220.98
23 05 16 00-0209	EA	4" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,608.00	370.46
23 05 16 00-0210	EA	5" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,767.78	421.16
23 05 16 00-0211	EA	6" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	1,885.23	414.61
23 05 16 00-0212	EA	8" x 6" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	2,502.86	529.78
23 05 16 00-0213	EA	10" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,093.67	644.94
23 05 16 00-0214	EA	12" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	3,584.44	783.15
23 05 16 00-0215	EA	14" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,091.00	921.35
23 05 16 00-0216	EA	16" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,476.73	1,013.48
23 05 16 00-0217	EA	18" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	4,885.50	1,124.04
23 05 16 00-0218	EA	20" x 8" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	5,740.43	1,266.85
23 05 16 00-0219	EA	24" x 10" Flanged, Neoprene Tube And Cover, Filled Arch Expansion Joint (Mercer 501NNFA)	7,059.59	1,554.77

23 05 16 00-0220 Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E) *(23 05 16 00-0146)*

Note: Kevlar reinforcement for high temperature.

23 05 16 00-0221	EA	1-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,190.57	125.69
23 05 16 00-0222	EA	2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,257.17	159.57
23 05 16 00-0223	EA	2-1/2" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,361.39	173.57
23 05 16 00-0224	EA	3" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	1,469.51	220.98
23 05 16 00-0225	EA	4" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,026.15	370.46
23 05 16 00-0226	EA	5" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,210.52	421.16
23 05 16 00-0227	EA	6" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,278.78	414.61
23 05 16 00-0228	EA	8" x 6" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	2,699.63	529.78
23 05 16 00-0229	EA	10" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,204.36	644.94
23 05 16 00-0230	EA	12" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	3,879.60	783.15
23 05 16 00-0231	EA	14" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	4,582.93	921.35
23 05 16 00-0232	EA	16" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,337.62	1,013.48
23 05 16 00-0233	EA	18" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	5,930.86	1,124.04
23 05 16 00-0234	EA	20" x 8" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	6,994.87	1,266.85
23 05 16 00-0235	EA	24" x 10" Flanged, Ethylene Propylene Diene Monomer (EPDM), Kevlar Reinforced Tube And Cover Expansion Joint (Mercer HT501K-E)	9,113.43	1,554.77

23 05 16 00-0236 Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 800) *(23 05 16 00-0096)*

23 05 16 00-0237 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802) *(23 05 16 00-0236)*

23 05 16 00-0238	EA	1" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	560.80	89.78
23 05 16 00-0239	EA	1-1/2" x 1-3/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	635.46	96.37
23 05 16 00-0240	EA	2" x 1-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	851.33	99.71
23 05 16 00-0241	EA	2-1/2" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,091.04	108.93
23 05 16 00-0242	EA	3" x 2-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	1,490.20	216.30
23 05 16 00-0243	EA	4" x 2-5/8" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,005.49	277.14
23 05 16 00-0244	EA	5" x 3-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,436.94	302.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0245	EA	6" x 2-3/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	2,703.46	287.92
23 05 16 00-0246	EA	8" x 4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	3,720.40	329.04
23 05 16 00-0247	EA	10" x 5-1/4" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	4,816.57	391.34
23 05 16 00-0248	EA	12" x 6" 2 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 802)	6,674.20	490.04
23 05 16 00-0249		3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803) *(23 05 16 00-0236)*		
23 05 16 00-0250	EA	1" x 1-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	622.29	89.78
23 05 16 00-0251	EA	1-1/2" x 2" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	696.93	96.37
23 05 16 00-0252	EA	2" x 2-3/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	949.71	99.71
23 05 16 00-0253	EA	2-1/2" x 3-1/4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,226.32	108.93
23 05 16 00-0254	EA	3" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	1,637.78	216.30
23 05 16 00-0255	EA	4" x 3-5/8" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,226.86	277.14
23 05 16 00-0256	EA	5" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	2,707.51	302.22
23 05 16 00-0257	EA	6" x 4" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	3,035.52	287.92
23 05 16 00-0258	EA	8" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	4,175.44	329.04
23 05 16 00-0259	EA	10" x 6" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	5,419.19	391.34
23 05 16 00-0260	EA	12" x 7" 3 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 803)	7,522.79	490.04
23 05 16 00-0261		5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805) *(23 05 16 00-0236)*		
23 05 16 00-0262	EA	1" x 3" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	683.78	89.78
23 05 16 00-0263	EA	1-1/2" x 3-1/2" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	869.13	96.37
23 05 16 00-0264	EA	2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,109.59	99.71
23 05 16 00-0265	EA	2-1/2" x 4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,472.29	108.93
23 05 16 00-0266	EA	3" x 5" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	1,982.14	216.30
23 05 16 00-0267	EA	4" x 5-1/4" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	2,558.92	277.14
23 05 16 00-0268	EA	5" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,359.32	302.22
23 05 16 00-0269	EA	6" x 6" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	3,588.95	287.92
23 05 16 00-0270	EA	8" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	5,417.58	329.04
23 05 16 00-0271	EA	10" x 8" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	7,202.45	391.34
23 05 16 00-0272	EA	12" x 9" 5 Arch, Polytetrafluoroethylene (PTFE) Teflon Expansion Joints (Mercer 805)	9,010.90	490.04
23 05 16 00-0273		Mercer Rubber, Series 450 *(23 05 16 00-0096)*		
23 05 16 00-0274		Expansion Joints, 2 Arch (452) *(23 05 16 00-0273)*		
23 05 16 00-0275	EA	1-1/2" x 12" Expansion Joints, 2 Arch	687.73	96.37
23 05 16 00-0276	EA	2" x 12" Expansion Joints, 2 Arch	768.31	99.71
23 05 16 00-0277	EA	2-1/2" x 12" Expansion Joints, 2 Arch	851.22	108.93
23 05 16 00-0278	EA	3" x 12" Expansion Joints, 2 Arch	1,148.92	216.30
23 05 16 00-0279	EA	4" x 12" Expansion Joints, 2 Arch	1,319.86	277.14
23 05 16 00-0280	EA	6" x 12" Expansion Joints, 2 Arch	1,467.47	287.92
23 05 16 00-0281	EA	8" x 12" Expansion Joints, 2 Arch	1,648.12	329.04
23 05 16 00-0282	EA	10" x 14" Expansion Joints, 2 Arch	2,215.45	391.34
23 05 16 00-0283	EA	12" x 14" Expansion Joints, 2 Arch	2,610.29	490.39
23 05 16 00-0284	EA	14" x 14" Expansion Joints, 2 Arch	3,039.16	497.30
23 05 16 00-0285	EA	16" x 14" Expansion Joints, 2 Arch	3,669.21	620.18
23 05 16 00-0286	EA	18" x 14" Expansion Joints, 2 Arch	4,097.71	703.68
23 05 16 00-0287	EA	20" x 14" Expansion Joints, 2 Arch	4,643.08	791.89
23 05 16 00-0288	EA	24" x 16" Expansion Joints, 2 Arch	5,557.13	972.25
23 05 16 00-0289		Mercer Rubber, Series 502 And 701 *(23 05 16 00-0096)*		
23 05 16 00-0290		2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR) *(23 05 16 00-0289)*		
		Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0291	EA	1-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,092.18	126.00
23 05 16 00-0292	EA	2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,158.79	159.61
23 05 16 00-0293	EA	2-1/2" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,238.41	174.11
23 05 16 00-0294	EA	3" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,321.93	221.26
23 05 16 00-0295	EA	4" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	1,694.09	371.40
23 05 16 00-0296	EA	5" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,001.45	420.51
23 05 16 00-0297	EA	6" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,069.71	416.09
23 05 16 00-0298	EA	8" x 10" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,465.96	529.78
23 05 16 00-0299	EA	10" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	2,896.90	644.94
23 05 16 00-0300	EA	12" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	3,378.23	490.04
23 05 16 00-0301	EA	14" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,164.79	921.35
23 05 16 00-0302	EA	16" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	4,845.68	1,013.48
23 05 16 00-0303	EA	18" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	5,365.13	1,124.04
23 05 16 00-0304	EA	20" x 12" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	6,084.78	1,266.85
23 05 16 00-0305	EA	24" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	7,256.37	1,554.77
23 05 16 00-0306	EA	30" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	10,718.35	2,533.70
23 05 16 00-0307	EA	36" x 14" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	13,446.64	3,378.27
23 05 16 00-0308	EA	42" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	17,968.54	5,067.41
23 05 16 00-0309	EA	48" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	21,249.29	6,334.25
23 05 16 00-0310	EA	60" x 16" 2 Arch, Flanged, Natural Rubber Tube And Cover Expansion Joints (Mercer 502RR)	28,865.39	9,121.32

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0311		2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N) *(23 05 16 00-0289)*		
		Note: Butyl 502B, Neoprene 502N. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0312	EA	1-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,190.57	126.00
23 05 16 00-0313	EA	2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,257.17	159.61
23 05 16 00-0314	EA	2-1/2" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,349.09	174.11
23 05 16 00-0315	EA	3" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,432.62	221.26
23 05 16 00-0316	EA	4" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	1,792.48	371.40
23 05 16 00-0317	EA	5" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,149.03	420.51
23 05 16 00-0318	EA	6" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,192.69	416.09
23 05 16 00-0319	EA	8" x 10" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	2,650.44	529.78
23 05 16 00-0320	EA	10" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,093.67	644.94
23 05 16 00-0321	EA	12" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	3,587.30	490.04
23 05 16 00-0322	EA	14" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	4,447.65	921.35
23 05 16 00-0323	EA	16" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,177.74	1,013.48
23 05 16 00-0324	EA	18" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	5,734.09	1,124.04
23 05 16 00-0325	EA	20" x 12" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	6,502.93	1,266.85
23 05 16 00-0326	EA	24" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	7,748.30	1,554.77
23 05 16 00-0327	EA	30" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	11,443.95	2,533.70
23 05 16 00-0328	EA	36" x 14" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	14,307.53	3,378.27
23 05 16 00-0329	EA	42" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	19,075.39	5,067.41
23 05 16 00-0330	EA	48" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	22,528.32	6,334.25
23 05 16 00-0331	EA	60" x 16" 2 Arch, Flanged, Butyl Or Neoprene Tube And Cover Expansion Joints (Mercer 502B or 502N)	30,611.76	9,121.32
23 05 16 00-0332		2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joints (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN) *(23 05 16 00-0289)*		
		Note: Nitrile 502Ni, Nitrile/Neoprene 502NiN, Ethylene Propylene Diene Monomer (EPDM) 502E, Neoprene/Natural 502NR or Natural/Neoprene 502RN. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0333	EA	1-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,227.46	126.00
23 05 16 00-0334	EA	2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,330.96	159.61
23 05 16 00-0335	EA	2-1/2" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,410.58	174.11
23 05 16 00-0336	EA	3" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,506.41	221.26
23 05 16 00-0337	EA	4" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	1,890.86	371.40
23 05 16 00-0338	EA	5" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,222.82	420.51
23 05 16 00-0339	EA	6" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,315.68	416.09
23 05 16 00-0340	EA	8" x 10" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	2,748.83	529.78
23 05 16 00-0341	EA	10" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,216.66	644.94
23 05 16 00-0342	EA	12" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	3,734.88	490.04
23 05 16 00-0343	EA	14" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	4,595.23	921.35
23 05 16 00-0344	EA	16" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,374.52	1,013.48
23 05 16 00-0345	EA	18" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	5,955.46	1,124.04
23 05 16 00-0346	EA	20" x 12" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	6,798.09	1,266.85
23 05 16 00-0347	EA	24" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	8,018.87	1,554.77
23 05 16 00-0348	EA	30" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	11,480.85	2,533.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0349	EA	36" x 14" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	14,799.46	3,378.27
23 05 16 00-0350	EA	42" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	19,764.10	5,067.41
23 05 16 00-0351	EA	48" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	23,290.82	6,334.25
23 05 16 00-0352	EA	60" x 16" 2 Arch, Flanged, Nitrile, Nitrile/Neoprene, Ethylene Propylene Diene Monomer (EPDM), Neoprene/Natural Or Natural/Neoprene Tube And Cover Expansion Joint Tube And Cover Expansion Joint (Mercer 502Ni, 502NiN, 502E, 502NR or 502RN)	31,644.83	9,121.32
23 05 16 00-0353		2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joints (Mercer 502H, 502HN Or 502NH) *(23 05 16 00-0289)* Note: Hypalon 502H, Hypalon/Neoprene 502HN Or Neoprene/Hypalon 502NH. Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0354	EA	1-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,288.95	126.00
23 05 16 00-0355	EA	2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,355.56	159.61
23 05 16 00-0356	EA	2-1/2" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,447.48	174.11
23 05 16 00-0357	EA	3" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,567.90	221.26
23 05 16 00-0358	EA	4" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	1,940.06	371.40
23 05 16 00-0359	EA	5" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,321.21	420.51
23 05 16 00-0360	EA	6" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,414.06	416.09
23 05 16 00-0361	EA	8" x 10" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	2,847.22	529.78
23 05 16 00-0362	EA	10" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,339.64	644.94
23 05 16 00-0363	EA	12" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	3,907.06	490.04
23 05 16 00-0364	EA	14" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	4,767.41	921.35
23 05 16 00-0365	EA	16" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	5,595.89	1,013.48
23 05 16 00-0366	EA	18" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	6,201.43	1,124.04
23 05 16 00-0367	EA	20" x 12" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	7,068.66	1,266.85
23 05 16 00-0368	EA	24" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	8,301.73	1,554.77
23 05 16 00-0369	EA	30" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	12,292.54	2,533.70
23 05 16 00-0370	EA	36" x 14" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	15,389.79	3,378.27
23 05 16 00-0371	EA	42" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	20,452.81	5,067.41
23 05 16 00-0372	EA	48" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	23,881.14	6,334.25
23 05 16 00-0373	EA	60" x 16" 2 Arch, Flanged, Hypalon, Hypalon/Neoprene, Neoprene/Hypalon Tube And Cover Expansion Joint (Mercer 502H, 502HN Or 502NH)	32,431.92	9,121.32
23 05 16 00-0374		2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V) *(23 05 16 00-0289)* Note: Baked enamel, coated ductile iron backup rings.		
23 05 16 00-0375	EA	1-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,608.71	126.00
23 05 16 00-0376	EA	2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,749.11	159.61
23 05 16 00-0377	EA	2-1/2" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	1,865.63	174.11
23 05 16 00-0378	EA	3" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	2,477.98	221.26
23 05 16 00-0379	EA	4" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,243.69	371.40
23 05 16 00-0380	EA	5" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	3,969.19	420.51
23 05 16 00-0381	EA	6" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	4,308.02	416.09
23 05 16 00-0382	EA	8" x 10" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	5,552.86	529.78
23 05 16 00-0383	EA	10" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	7,348.92	644.94
23 05 16 00-0384	EA	12" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	8,408.27	490.04
23 05 16 00-0385	EA	14" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	9,674.47	921.35
23 05 16 00-0386	EA	16" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	11,843.47	1,013.48
23 05 16 00-0387	EA	18" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	13,137.72	1,124.04
23 05 16 00-0388	EA	20" x 12" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	15,431.57	1,266.85
23 05 16 00-0389	EA	24" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	20,243.48	1,554.77
23 05 16 00-0390	EA	30" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	33,913.13	2,533.70
23 05 16 00-0391	EA	36" x 14" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	42,593.85	3,378.27
23 05 16 00-0392	EA	42" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	55,773.82	5,067.41
23 05 16 00-0393	EA	48" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	65,228.36	6,334.25
23 05 16 00-0394	EA	60" x 16" 2 Arch, Flanged, Viton Tube And Cover Expansion Joint (Mercer 502V)	86,421.90	9,121.32

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0395		Teflon Lined Expansion Joints (Mercer 701) *(23 05 16 00-0289)*			
		Note: Natural rubber, neoprene, butyl, ethylene propylene diene monomer (EPDM) Or nitrile. Includes baked enamel coated ductile iron backer rings. Series 701.			
23 05 16 00-0396	EA	1-1/2" Teflon Lined Expansion Joint (Mercer 701)		1,072.04	96.37
		For Hypalon Tube And Cover, Add		*17.59*	
		For Viton Tube And Cover, Add		*879.34*	
23 05 16 00-0397	EA	2" Teflon Lined Expansion Joint (Mercer 701)		1,251.02	99.71
		For Hypalon Tube And Cover, Add		*21.03*	
		For Viton Tube And Cover, Add		*1,051.51*	
23 05 16 00-0398	EA	2-1/2" Teflon Lined Expansion Joint (Mercer 701)		1,426.13	108.93
		For Hypalon Tube And Cover, Add		*24.17*	
		For Viton Tube And Cover, Add		*1,208.32*	
23 05 16 00-0399	EA	3" Teflon Lined Expansion Joint (Mercer 701)		1,773.24	216.30
		For Hypalon Tube And Cover, Add		*26.81*	
		For Viton Tube And Cover, Add		*1,340.53*	
23 05 16 00-0400	EA	4" Teflon Lined Expansion Joint (Mercer 701)		2,177.95	277.26
		For Hypalon Tube And Cover, Add		*32.47*	
		For Viton Tube And Cover, Add		*1,623.39*	
23 05 16 00-0401	EA	5" Teflon Lined Expansion Joint (Mercer 701)		2,587.15	301.96
		For Hypalon Tube And Cover, Add		*39.66*	
		For Viton Tube And Cover, Add		*1,983.12*	
23 05 16 00-0402	EA	6" Teflon Lined Expansion Joint (Mercer 701)		2,721.91	287.92
		For Hypalon Tube And Cover, Add		*42.92*	
		For Viton Tube And Cover, Add		*2,146.07*	
23 05 16 00-0403	EA	8" Teflon Lined Expansion Joint (Mercer 701)		3,264.83	328.81
		For Hypalon Tube And Cover, Add		*52.15*	
		For Viton Tube And Cover, Add		*2,607.26*	
23 05 16 00-0404	EA	10" Teflon Lined Expansion Joint (Mercer 701)		4,112.48	391.34
		For Hypalon Tube And Cover, Add		*66.60*	
		For Viton Tube And Cover, Add		*3,329.79*	
23 05 16 00-0405	EA	12" Teflon Lined Expansion Joint (Mercer 701)		5,257.52	490.39
		For Hypalon Tube And Cover, Add		*85.54*	
		For Viton Tube And Cover, Add		*4,276.77*	
23 05 16 00-0406	EA	14" Teflon Lined Expansion Joint (Mercer 701)		5,902.34	497.64
		For Hypalon Tube And Cover, Add		*98.14*	
		For Viton Tube And Cover, Add		*4,907.06*	
23 05 16 00-0407	EA	16" Teflon Lined Expansion Joint (Mercer 701)		7,327.99	620.18
		For Hypalon Tube And Cover, Add		*121.75*	
		For Viton Tube And Cover, Add		*6,087.71*	
23 05 16 00-0408	EA	18" Teflon Lined Expansion Joint (Mercer 701)		8,164.30	704.72
		For Hypalon Tube And Cover, Add		*135.10*	
		For Viton Tube And Cover, Add		*6,754.90*	
23 05 16 00-0409	EA	20" Teflon Lined Expansion Joint (Mercer 701)		9,553.18	790.40
		For Hypalon Tube And Cover, Add		*159.45*	
		For Viton Tube And Cover, Add		*7,972.44*	
23 05 16 00-0410	EA	24" Teflon Lined Expansion Joint (Mercer 701)		12,480.87	973.64
		For Hypalon Tube And Cover, Add		*210.67*	
		For Viton Tube And Cover, Add		*10,533.58*	
23 05 16 00-0411		Accessories For Mercer Rubber, Series 451 And 501 *(23 05 16 00-0096)*			
23 05 16 00-0412		Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0411)*			
23 05 16 00-0413	EA	1-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		46.73	
23 05 16 00-0414	EA	2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		59.03	
23 05 16 00-0415	EA	2-1/2" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		66.41	
23 05 16 00-0416	EA	3" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		71.33	
23 05 16 00-0417	EA	4" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		105.77	
23 05 16 00-0418	EA	5" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		130.36	
23 05 16 00-0419	EA	6" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		142.66	
23 05 16 00-0420	EA	8" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		157.42	
23 05 16 00-0421	EA	10" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		201.69	
23 05 16 00-0422	EA	12" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		238.59	
23 05 16 00-0423	EA	14" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		319.76	
23 05 16 00-0424	EA	16" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		344.36	
23 05 16 00-0425	EA	18" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		368.95	
23 05 16 00-0426	EA	20" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		405.85	
23 05 16 00-0427	EA	24" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		504.23	
23 05 16 00-0428	EA	30" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		627.22	
23 05 16 00-0429	EA	36" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		762.50	
23 05 16 00-0430	EA	42" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		1,082.26	
23 05 16 00-0431	EA	48" Hot-Dipped Galvanized Back-Up Rings For Mercer 451 And 501 Expansion Joints		1,291.33	
23 05 16 00-0432		Control Rods For Mercer 451 And 501 Expansion Joints *(23 05 16 00-0411)*			
23 05 16 00-0433	SET	1-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2		122.36	
23 05 16 00-0434	SET	2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2		154.76	
23 05 16 00-0435	SET	2-1/2" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2		179.95	
23 05 16 00-0436	SET	3" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2		215.94	
23 05 16 00-0437	SET	4" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2		215.94	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0438	SET	5" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	233.93	
23 05 16 00-0439	SET	6" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	269.92	
23 05 16 00-0440	SET	8" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 2	395.89	
23 05 16 00-0441	SET	10" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	773.78	
23 05 16 00-0442	SET	12" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	1,061.69	
23 05 16 00-0443	SET	14" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	1,583.54	
23 05 16 00-0444	SET	16" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	1,781.49	
23 05 16 00-0445	SET	18" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,375.31	
23 05 16 00-0446	SET	20" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,537.27	
23 05 16 00-0447	SET	24" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	2,861.17	
23 05 16 00-0448	SET	30" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	4,192.79	
23 05 16 00-0449	SET	36" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 5	6,172.22	
23 05 16 00-0450	SET	42" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 3	4,174.79	
23 05 16 00-0451	SET	48" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	5,488.41	
23 05 16 00-0452	SET	60" Control Rods For Mercer 451 And 501 Expansion Joints, Set Of 4	8,565.52	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	189.20	56.95
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	247.43	66.52
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	307.98	79.80
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	413.99	119.65
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	511.76	159.49
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	620.86	199.45

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	163.64	57.73
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	203.89	62.57
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	242.05	67.43
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	300.13	80.89
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	438.49	101.02
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	807.67	121.28
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	952.32	151.59
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,275.48	186.52
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,753.38	242.55
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,522.96	303.18

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	121.46	41.60
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	140.70	41.60
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	140.70	41.60

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	159.94	41.60
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	159.94	41.60
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	200.16	41.60
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	165.19	41.60
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	173.93	41.60
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	205.41	41.60

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	159.94	41.60
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	159.94	41.60
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	200.16	41.60
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	182.67	41.60
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	200.16	41.60
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	204.62	41.60

23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*

23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	204.58	77.99
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	204.49	77.99

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0023		Pressure Gauges *(23 05 19)*			
23 05 19 00-0024		Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*			
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		43.69	16.24
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		54.01	16.24
23 05 19 00-0027		Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*			
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		409.69	16.24
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		409.69	16.24
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		537.79	16.24
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		1,292.18	16.24
23 05 19 00-0032		Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*			
		Note: Liquid filled.			
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		156.57	16.24
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge		354.97	16.24
23 05 19 00-0035		Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges *(23 05 19 00-0023)*			
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge		345.55	16.24
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge		345.55	16.24
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge		345.55	16.24
23 05 19 00-0039		Polypropylene Case, Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0023)*			
23 05 19 00-0040		Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0039)*			
23 05 19 00-0041	EA	4-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge		247.19	16.24
23 05 19 00-0042	EA	4-1/2" Diameter Liquid Filled Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge		326.35	16.24
23 05 19 00-0043	EA	6" Diameter Dry Dial, Polypropylene Case, 0 To 300 PSI, Stainless Steel Internals And Stem, Pressure Gauge		391.94	16.24
23 05 19 00-0044		Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauges *(23 05 19 00-0039)*			
23 05 19 00-0045	EA	2-1/2" Diameter Dry Dial, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge		146.42	16.24
23 05 19 00-0046	EA	2-1/2" Diameter Liquid Filled, Polypropylene Case, 0 To 100" H2O (Very Low PSI), Stainless Steel Internals And Stem, Pressure Gauge		113.23	16.24
23 05 19 00-0047		Gauge Accessories *(23 05 19 00-0023)*			
23 05 19 00-0048	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)		100.89	12.99
23 05 19 00-0049	EA	1/4" Diameter, Snubber Valve		62.17	12.99
23 05 19 00-0050	EA	1/4" Female Pipe Thread, Brass Gauge Cock		39.13	19.50
23 05 19 00-0051	EA	1/4" Male Pipe Thread, Brass Gauge Cock		33.73	19.50
23 05 19 00-0052	EA	1/4" Pressure Pigtail Steam Siphon		38.75	19.50
23 05 19 00-0053	EA	1/4" x 3" Long Black Steel Nipple		7.99	6.50
23 05 19 00-0054	EA	1/4" Steel Thread-O-Let		73.23	32.50
23 05 19 00-0055	EA	1/4", 300 Lb., Black Steel Union		66.76	12.99
23 05 19 00-0056	EA	1/4" Black Steel Coupling		27.51	12.99
23 05 19 00-0057	EA	1/4", 300 Lb., Black Steel Plug		15.95	7.80
23 05 19 00-0058	EA	1/4", 150 Lb., Black Steel Cap		16.45	7.80
23 05 19 00-0059	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe		10.04	4.29
23 05 19 00-0060	LF	1/4" Schedule 80, Plain End, Black Steel Pipe		9.09	4.29
23 05 19 00-0061	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe		9.75	
23 05 19 00-0062	EA	1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve		123.57	
23 05 19 00-0063		Valve Lock Covers *(23 05 19)*			
23 05 19 00-0064	EA	Valve Lock Cover		94.77	19.89
23 05 19 00-0065		Sight Flow Indicator *(23 05 19)*			
23 05 19 00-0066		Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator *(23 05 19 00-0065)*			
23 05 19 00-0067	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		184.15	18.92
23 05 19 00-0068	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		192.33	19.91
23 05 19 00-0069	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)		208.07	20.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0070	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	232.56	28.20
23 05 19 00-0071	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	277.94	34.18
23 05 19 00-0072	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	314.78	43.27
23 05 19 00-0073	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	447.15	50.02
23 05 19 00-0074	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	495.07	59.12
23 05 19 00-0075		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0065)*		
23 05 19 00-0076	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	239.95	18.92
23 05 19 00-0077	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	246.89	19.91
23 05 19 00-0078	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	266.35	20.92
23 05 19 00-0079	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	282.16	28.20
23 05 19 00-0080	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	299.02	34.18
23 05 19 00-0081	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	323.46	43.27
23 05 19 00-0082	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	615.78	50.02
23 05 19 00-0083	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	658.75	59.12
23 05 19 00-0084		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0065)*		
23 05 19 00-0085	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	347.83	18.92
23 05 19 00-0086	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	367.17	19.91
23 05 19 00-0087	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	399.03	20.92
23 05 19 00-0088	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	433.43	28.20
23 05 19 00-0089	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	497.41	34.18
23 05 19 00-0090	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	525.57	43.27
23 05 19 00-0091	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,062.16	50.02
23 05 19 00-0092	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,117.53	59.12
23 05 19 00-0093		**Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0065)*		
23 05 19 00-0094	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	236.23	18.92
23 05 19 00-0095	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	245.65	19.91
23 05 19 00-0096	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	260.15	20.92
23 05 19 00-0097	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	280.92	28.20
23 05 19 00-0098	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	297.78	34.18
23 05 19 00-0099	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	323.46	43.27
23 05 19 00-0100	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	608.34	50.02
23 05 19 00-0101	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	648.83	59.12
23 05 19 00-0102		**Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0065)*		
23 05 19 00-0103	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	345.35	18.92
23 05 19 00-0104	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	372.13	19.91
23 05 19 00-0105	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	406.47	20.92
23 05 19 00-0106	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	433.43	28.20
23 05 19 00-0107	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	497.41	34.18
23 05 19 00-0108	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	530.53	43.27
23 05 19 00-0109	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,062.16	50.02
23 05 19 00-0110	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,117.53	59.12
23 05 19 00-0111		**Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators** *(23 05 19 00-0065)*		
23 05 19 00-0112	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	507.33	34.18
23 05 19 00-0113	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	570.21	43.27
23 05 19 00-0114	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	648.02	50.02

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23 05 19 00-0115	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	728.19	59.12
23 05 19 00-0116		**Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators** *(23 05 19 00-0065)*		
23 05 19 00-0117	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,116.43	136.44
23 05 19 00-0118	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,246.35	173.22
23 05 19 00-0119	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,837.36	203.40
23 05 19 00-0120	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,771.44	340.99
23 05 19 00-0121	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,483.61	406.70
23 05 19 00-0122		**Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0065)*		
23 05 19 00-0123	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	856.64	97.45
23 05 19 00-0124	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,011.68	113.70
23 05 19 00-0125	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,091.01	136.44
23 05 19 00-0126	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,367.24	173.22
23 05 19 00-0127	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,985.53	203.40
23 05 19 00-0128	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,932.01	340.99
23 05 19 00-0129		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0130		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0129)*		
23 05 19 00-0131	EA	3/4" Threaded, Brass, Venturi Flowmeter	335.04	88.39
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0132	EA	1" Threaded, Brass, Venturi Flowmeter	370.24	106.07
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0133	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	408.37	117.90
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0134	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	460.27	132.59
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0135	EA	2" Threaded, Brass, Venturi Flowmeter	547.77	151.57
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0136	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	745.16	205.97
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0137		**Butt Weld, Carbon Steel, Venturi Flowmeters** *(23 05 19 00-0129)*		
23 05 19 00-0138	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,448.85	181.91
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*379.76*	
23 05 19 00-0139	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,991.78	218.30
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*544.32*	
23 05 19 00-0140	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,607.27	272.87
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*721.54*	
23 05 19 00-0141	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	3,114.68	363.83
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*835.46*	
23 05 19 00-0142	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	4,526.08	436.58
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,278.52*	
23 05 19 00-0143	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	7,348.42	545.73
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,189.93*	
23 05 19 00-0144	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	11,002.69	763.43
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,316.54*	
23 05 19 00-0145	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	15,455.17	1,145.14
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*4,607.72*	
23 05 19 00-0146	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	22,979.28	1,272.38
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*7,152.09*	
23 05 19 00-0147		**Turbine Flowmeter** *(23 05 19)*		
23 05 19 00-0148	EA	Saddle Mount Turbine Flowmeter	1,015.16	97.49
23 05 19 00-0149		**Flowmeters** *(23 05 19)*		
23 05 19 00-0150		**Polyvinyl Chloride (PVC) Turbine Flowmeters** *(23 05 19 00-0149)*		
23 05 19 00-0151	EA	2", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,937.95	223.45
23 05 19 00-0152	EA	3", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,281.67	238.27
23 05 19 00-0153	EA	4", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,615.44	248.27
23 05 19 00-0154	EA	6", Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,257.47	255.30
23 05 19 00-0155	EA	2", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	1,864.73	173.28
23 05 19 00-0156	EA	3", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,317.05	220.98

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23 05 19 00-0157	EA	4", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	2,897.13	370.46
23 05 19 00-0158	EA	6", Flanged, Sensor Signal Only, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP100)	3,804.72	467.96
23 05 19 00-0159	EA	2", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,146.54	223.45
		For Analog Output, Add	*75.00*	
23 05 19 00-0160	EA	3", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,490.26	238.27
		For Analog Output, Add	*75.00*	
23 05 19 00-0161	EA	4", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	3,824.03	248.27
		For Analog Output, Add	*75.00*	
23 05 19 00-0162	EA	6", Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP101)	4,466.06	255.30
		For Analog Output, Add	*75.00*	
23 05 19 00-0163	EA	2", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,073.32	173.28
		For Analog Output, Add	*75.00*	
23 05 19 00-0164	EA	3", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	3,525.64	220.98
		For Analog Output, Add	*75.00*	
23 05 19 00-0165	EA	4", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	4,105.72	370.46
		For Analog Output, Add	*75.00*	
23 05 19 00-0166	EA	6", Flanged, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametric WTP101)	5,013.31	467.96
		For Analog Output, Add	*75.00*	
23 05 19 00-0167	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,832.62	223.45
23 05 19 00-0168	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,176.34	238.27
23 05 19 00-0169	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,510.11	248.27
23 05 19 00-0170	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	4,152.14	255.30
23 05 19 00-0171	EA	2", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	2,989.58	223.58
23 05 19 00-0172	EA	3", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,411.78	238.53
23 05 19 00-0173	EA	4", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	3,824.03	248.27
23 05 19 00-0174	EA	6", Blind 4-20mA DC, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP102)	4,623.02	255.43
23 05 19 00-0175	EA	2", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,429.07	223.45
23 05 19 00-0176	EA	3", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,772.79	238.27
23 05 19 00-0177	EA	4", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,106.56	248.27
23 05 19 00-0178	EA	6", Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,748.59	255.30
23 05 19 00-0179	EA	2", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,355.85	173.28
23 05 19 00-0180	EA	3", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	3,808.17	220.98
23 05 19 00-0181	EA	4", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	4,388.25	370.46
23 05 19 00-0182	EA	6", Flanged, Battery, Rate/Total/Pulse, Polyvinyl Chloride (PVC) Turbine Flowmeter (Seametrics WTP104)	5,295.84	467.96

23 05 19 00-0183 Flanged, Main Line Flowmeters *(23 05 19 00-0149)*

Note: Six digit totalizer with rate indicator. AWWA Standard #C704-70.

23 05 19 00-0184 150 Lb., Flanged, Main Line Flow Meters *(23 05 19 00-0183)*

23 05 19 00-0185	EA	2" x 14" Long, 150 Lb., Flanged, Main Line Flow Meter	4,031.55	173.28
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0186	EA	2-1/2" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter	4,051.24	189.07
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0187	EA	3" x 16" Long, 150 Lb., Flanged, Main Line Flow Meter	4,091.47	221.26
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0188	EA	4" x 20" Long, 150 Lb., Flanged, Main Line Flow Meter	4,989.94	371.40
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0189	EA	6" x 22" Long, 150 Lb., Flanged, Main Line Flow Meter	5,832.52	467.96
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0190	EA	8" x 24" Long, 150 Lb., Flanged, Main Line Flow Meter	7,013.98	597.95
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0191	EA	10" x 26" Long, 150 Lb., Flanged, Main Line Flow Meter	8,708.36	715.29
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0192	EA	12" x 28" Long, 150 Lb., Flanged, Main Line Flow Meter	10,027.21	868.58
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0193	EA	14" x 42" Long, 150 Lb., Flanged, Main Line Flow Meter	12,245.15	1,021.85
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0194	EA	16" x 48" Long, 150 Lb., Flanged, Main Line Flow Meter	13,857.45	1,124.04
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0195	EA	18" x 54" Long, 150 Lb., Flanged, Main Line Flow Meter	15,508.80	1,246.66
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0196	EA	20" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	17,848.16	1,405.05
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0197	EA	24" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	23,731.24	1,724.38
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0198	EA	30" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	30,360.87	2,810.10
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0199	EA	36" x 60" Long, 150 Lb., Flanged, Main Line Flow Meter	36,894.19	3,746.80
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	

23 05 19 00-0200 300 Lb., Flanged, Main Line Flow Meters *(23 05 19 00-0183)*

23 05 19 00-0201	EA	2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	4,562.39	173.32
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0202	EA	2-1/2" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	4,582.08	189.07
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0203	EA	3" x 20" Long, 300 Lb., Flanged, Main Line Flow Meter	4,622.31	221.26
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0204	EA	4" x 24" Long, 300 Lb., Flanged, Main Line Flow Meter	5,399.32	370.46
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0205	EA	6" x 26" Long, 300 Lb., Flanged, Main Line Flow Meter	6,534.32	467.96
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0206	EA	8" x 28" Long, 300 Lb., Flanged, Main Line Flow Meter	8,152.15	597.95
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0207	EA	10" x 30" Long, 300 Lb., Flanged, Main Line Flow Meter	10,939.72	715.29
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0208	EA	12" x 32" Long, 300 Lb., Flanged, Main Line Flow Meter	13,833.11	868.58
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0209	EA	14" x 42" Long, 300 Lb., Flanged, Main Line Flow Meter	16,554.91	1,021.85
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0210	EA	16" x 48" Long, 300 Lb., Flanged, Main Line Flow Meter	19,030.96	1,124.04
		For Electronic Flow Meter For Extended Flow Rate (X-Flow), Add	*165.00*	
23 05 19 00-0211		**Adjustable, Insertion Turbine Flowmeters** *(23 05 19 00-0149)*		
23 05 19 00-0212	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	3,431.56	129.99
23 05 19 00-0213	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display, Adjustable, Insertion Turbine Flowmeter	3,521.54	129.99
23 05 19 00-0214	EA	For 1-1/2" To 3" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	2,851.70	259.98
23 05 19 00-0215	EA	For 1-1/2" To 10" Pipe, Probe Assembly With 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	3,071.67	129.99
23 05 19 00-0216	EA	For 1-1/2" To 3" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	4,061.38	129.99
23 05 19 00-0217	EA	For 1-1/2" To 10" Pipe, Probe Assembly With Display And 4-20mA Transmitter, Adjustable, Insertion Turbine Flowmeter	4,151.36	129.99
23 05 19 00-0218		**Epoxy Coated Cast Iron High-Volume Turbine Meters** *(23 05 19 00-0149)*		
		Note: AWWA C-701, Class II.		
23 05 19 00-0219		**Meters With Mechanical Display** *(23 05 19 00-0218)*		
23 05 19 00-0220	EA	2", 4.4 To 175 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	3,092.07	223.58
23 05 19 00-0221	EA	3", 6 To 330 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	3,801.17	238.53
23 05 19 00-0222	EA	4", 9 To 440 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	4,801.74	248.27
23 05 19 00-0223	EA	6", 35 To 1,150 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	6,808.85	255.43
23 05 19 00-0224	EA	8", 37 To 2,000 GPM Mechanical Display, Epoxy Coated Cast Iron High-Volume Turbine Meter (Master Meter)	9,585.63	276.22
23 05 19 00-0225		**Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meters** *(23 05 19 00-0218)*		
23 05 19 00-0226	EA	2", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	3,424.97	223.58
23 05 19 00-0227	EA	3", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	4,143.07	238.53
23 05 19 00-0228	EA	4", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	5,188.62	248.27
23 05 19 00-0229	EA	6", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	7,159.75	255.43
23 05 19 00-0230	EA	8", Electrical Output, Epoxy Coated Cast Iron High-Volume Turbine Meter	9,914.03	276.22
23 05 19 00-0231		**Bronze High-Volume Turbine Meters** *(23 05 19 00-0149)*		
		Note: AWWA C-701, Class II.		
23 05 19 00-0232		**Mechanical Display, Bronze High-Volume Turbine Meters** *(23 05 19 00-0231)*		
23 05 19 00-0233	EA	1-1/2", 3 To 160 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	2,369.26	194.98
23 05 19 00-0234	EA	2", 4 To 350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	2,732.17	223.58
23 05 19 00-0235	EA	3", 5 To 530 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	4,102.58	238.53
23 05 19 00-0236	EA	4", 9 To 1,350 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	6,038.88	248.27
23 05 19 00-0237	EA	6", 25 To 2,700 GPM Mechanical Display, Bronze High-Volume Turbine Meter (Master Meter)	10,857.68	255.43
23 05 19 00-0238		**Electrical Output, Bronze High-Volume Turbine Meters** *(23 05 19 00-0231)*		
23 05 19 00-0239	EA	1-1/2", 3 To 160 GPM Electrical Output, Bronze High-Volume Turbine Meter	2,711.16	194.98
23 05 19 00-0240	EA	2", 4 To 350 GPM Electrical Output, Bronze High-Volume Turbine Meter	3,078.57	223.58
23 05 19 00-0241	EA	3", 5 To 530 GPM Electrical Output, Bronze High-Volume Turbine Meter	4,444.48	238.53
23 05 19 00-0242	EA	4", 9 To 1,350 GPM Electrical Output, Bronze High-Volume Turbine Meter	6,380.78	248.27
23 05 19 00-0243	EA	6", 25 To 2,700 GPM Electrical Output, Bronze High-Volume Turbine Meter	11,478.50	255.43
23 05 19 00-0244		**Multi-Jet Meters** *(23 05 19 00-0149)*		
23 05 19 00-0245		**Hostile Environment Multi-Jet Meters** *(23 05 19 00-0244)*		
		Note: Wetted materials are Viton, PP, 316 stainless steel and electroless-nickel plated bronze. AWWA C-708, Class II.		
23 05 19 00-0246	EA	1/2", 1 To 20 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,466.84	40.94
23 05 19 00-0247	EA	3/4", 1 To 30 GPM Hostile Environment Multi-Jet Meter (Master Meter)	1,714.36	53.95
23 05 19 00-0248	EA	1", 1 To 50 GPM Hostile Environment Multi-Jet Meter (Master Meter)	2,103.18	61.75
23 05 19 00-0249	EA	1-1/2", 5 To 100 GPM Hostile Environment Multi-Jet Meter (Master Meter)	3,518.52	81.24
23 05 19 00-0250	EA	2", 8 To 160 GPM Hostile Environment Multi-Jet Meter (Master Meter)	5,012.81	92.94
23 05 19 00-0251		**High-Pressure Multi-Jet Meters** *(23 05 19 00-0244)*		
		Note: Wetted materials are bronze, glass-filled Noryl, PP and nylon. AWWA C-708, Class II.		
23 05 19 00-0252	EA	3/4", 1 To 30 GPM High-Pressure Multi-Jet Meter (Master Meter)	4,359.59	53.95
23 05 19 00-0253	EA	1", 1 To 50 GPM High-Pressure Multi-Jet Meter (Master Meter)	6,232.98	61.75
23 05 19 00-0254	EA	1-1/2", 5 To 100 GPM High-Pressure Multi-Jet Meter (Master Meter)	11,350.76	81.24
23 05 19 00-0255	EA	2", 8 To 160 GPM High-Pressure Multi-Jet Meter (Master Meter)	14,383.60	92.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0256		Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meters *(23 05 19 00-0149)*		
23 05 19 00-0257	EA	3", 45 To 250 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	5,271.98	438.13
23 05 19 00-0258	EA	4", 55 To 500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	5,637.75	370.46
23 05 19 00-0259	EA	6", 120 To 1,200 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	6,210.42	467.96
23 05 19 00-0260	EA	8", 150 To 1,500 GPM, Flanged, 150 Lb., 4-20 mA Output, Fabricated Steel Body, Main Propeller Meter	7,715.77	597.95
23 05 19 00-0261		In-Line Flowmeters *(23 05 19 00-0149)*		
23 05 19 00-0262		Standard Flowmeter, Polyvinyl Chloride (PVC), Brass, 316 Stainless Steel, Viton *(23 05 19 00-0261)*		
23 05 19 00-0263	EA	3/4" In Line Flowmeter	569.78	53.95
23 05 19 00-0264	EA	1" In Line Flowmeter	585.37	61.75
23 05 19 00-0265	EA	1-1/2" In Line Flowmeter	863.66	81.24
23 05 19 00-0266	EA	3/4" In Line Flowmeter With SPDP Switch	775.96	53.95
23 05 19 00-0267	EA	1" In Line Flowmeter With SPDP Switch	791.55	61.75
23 05 19 00-0268	EA	1-1/2" In Line Flowmeter With SPDP Switch	1,164.80	81.24
23 05 19 00-0269		Water Flow Switches *(23 05 19)*		
23 05 19 00-0270	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	315.03	38.31
23 05 19 00-0271	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	326.37	38.31
23 05 19 00-0272	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	422.15	38.31
23 05 19 00-0273	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	436.65	38.31
23 05 19 00-0274	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	340.88	38.31
23 05 19 00-0275	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	354.10	38.31
23 05 19 00-0276	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	447.99	38.31
23 05 19 00-0277	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	461.21	38.31
23 05 19 00-0278	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	887.11	38.31
23 05 19 00-0279	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	899.93	38.31
23 05 19 00-0280	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	1,021.67	38.31
23 05 19 00-0281	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,039.29	38.31
23 05 19 00-0282	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	917.55	38.31
23 05 19 00-0283	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	935.17	38.31
23 05 19 00-0284	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,052.11	38.31
23 05 19 00-0285	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,071.33	38.31

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001		Gate Valves *(23 05 23)*		
23 05 23 00-0002		Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	71.35	12.99
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	73.33	12.99
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*11.95*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	75.43	12.99
		For 150 Lb. Rating, Add	*3.35*	
		For 200 Lb. Rating, Add	*5.03*	
		For 250 Lb. Rating, Add	*8.38*	
		For 300 Lb. Rating, Add	*11.73*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	96.47	14.30
		For 150 Lb. Rating, Add	*4.00*	
		For 200 Lb. Rating, Add	*6.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For 300 Lb. Rating, Add	*13.99*	
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	128.78	16.24
		For 150 Lb. Rating, Add	*6.04*	
		For 200 Lb. Rating, Add	*9.06*	
		For 250 Lb. Rating, Add	*15.10*	
		For 300 Lb. Rating, Add	*21.14*	
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	168.06	17.29
		For 150 Lb. Rating, Add	*8.14*	
		For 200 Lb. Rating, Add	*12.21*	
		For 250 Lb. Rating, Add	*20.36*	
		For 300 Lb. Rating, Add	*28.50*	
		For Work In Restricted Working Space, Add	*25.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	202.57	20.01
		For 150 Lb. Rating, Add	*10.26*	
		For 200 Lb. Rating, Add	*15.39*	
		For 250 Lb. Rating, Add	*25.65*	
		For 300 Lb. Rating, Add	*35.91*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	258.33	23.65
		For 150 Lb. Rating, Add	*14.02*	
		For 200 Lb. Rating, Add	*21.03*	
		For 250 Lb. Rating, Add	*35.05*	
		For 300 Lb. Rating, Add	*49.07*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	559.39	31.95
		For Chain Operated Type, Add	*179.94*	
		For 150 Lb. Rating, Add	*39.99*	
		For 200 Lb. Rating, Add	*59.98*	
		For 250 Lb. Rating, Add	*99.97*	
		For 300 Lb. Rating, Add	*139.95*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	662.05	37.09
		For Chain Operated Type, Add	*215.09*	
		For 150 Lb. Rating, Add	*47.80*	
		For 200 Lb. Rating, Add	*71.70*	
		For 250 Lb. Rating, Add	*119.50*	
		For 300 Lb. Rating, Add	*167.29*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,348.06	41.87
		For Chain Operated Type, Add	*512.41*	
		For 150 Lb. Rating, Add	*113.87*	
		For 200 Lb. Rating, Add	*170.80*	
		For 250 Lb. Rating, Add	*284.67*	
		For 300 Lb. Rating, Add	*398.54*	
		For Work In Restricted Working Space, Add	*62.81*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	297.87	20.01
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	452.55	23.65
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	662.50	31.95
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	843.99	37.09
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,985.82	41.87
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	
		For Work In Restricted Working Space, Add	*62.81*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	778.92	136.44
		For 150 Lb. Rating, Add	*176.31*	
		For 250 Lb. Rating, Add	*303.98*	
		For 300 Lb. Rating, ASTM A182, Add	*693.44*	
		For Chain Operated Type, Add	*303.98*	
		For Work In Restricted Working Space, Add	*51.29*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	852.39	173.22
		For 150 Lb. Rating, Add	*184.39*	
		For 250 Lb. Rating, Add	*317.91*	
		For 300 Lb. Rating, ASTM A182, Add	*744.11*	
		For Chain Operated Type, Add	*317.91*	
		For Work In Restricted Working Space, Add	*64.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	980.40	173.48
		For 150 Lb. Rating, Add	*221.23*	
		For 250 Lb. Rating, Add	*381.43*	
		For 300 Lb. Rating, ASTM A182, Add	*871.63*	
		For Chain Operated Type, Add	*381.43*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,208.09	203.40
		For 150 Lb. Rating, Add	*276.52*	
		For 250 Lb. Rating, Add	*476.77*	
		For 300 Lb. Rating, ASTM A182, Add	*1,080.81*	
		For Chain Operated Type, Add	*476.77*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,698.75	340.99
		For 150 Lb. Rating, Add	*368.72*	
		For 250 Lb. Rating, Add	*635.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,485.10*	
		For Chain Operated Type, Add	*635.72*	
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,109.55	366.02
		For 150 Lb. Rating, Add	*479.29*	
		For 250 Lb. Rating, Add	*826.36*	
		For 300 Lb. Rating, ASTM A182, Add	*1,881.14*	
		For Chain Operated Type, Add	*826.36*	
		For Work In Restricted Working Space, Add	*137.05*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,544.08	406.70
		For 150 Lb. Rating, Add	*589.83*	
		For 250 Lb. Rating, Add	*1,016.95*	
		For 300 Lb. Rating, ASTM A182, Add	*2,288.99*	
		For Chain Operated Type, Add	*1,016.95*	
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	4,014.70	519.67
		For 150 Lb. Rating, Add	*977.06*	
		For 250 Lb. Rating, Add	*1,684.58*	
		For 300 Lb. Rating, ASTM A182, Add	*3,691.93*	
		For Chain Operated Type, Add	*1,684.58*	
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,240.32	632.64
		For 150 Lb. Rating, Add	*1,290.36*	
		For 250 Lb. Rating, Add	*2,224.77*	
		For 300 Lb. Rating, ASTM A182, Add	*4,844.93*	
		For Chain Operated Type, Add	*2,224.77*	
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,315.32	768.19
		For 150 Lb. Rating, Add	*1,843.47*	
		For 250 Lb. Rating, Add	*3,178.40*	
		For 300 Lb. Rating, ASTM A182, Add	*6,836.06*	
		For Chain Operated Type, Add	*3,178.40*	
		For Work In Restricted Working Space, Add	*287.56*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	585.09	20.01
		For 175 Lb. Rating, Add	*242.57*	
		For 250 Lb. Rating, Add	*363.85*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	745.28	23.65
		For 175 Lb. Rating, Add	*313.58*	
		For 250 Lb. Rating, Add	*470.36*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	866.72	31.95
		For 175 Lb. Rating, Add	*353.60*	
		For 250 Lb. Rating, Add	*530.39*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	964.38	37.09
		For 175 Lb. Rating, Add	*390.16*	
		For 250 Lb. Rating, Add	*585.23*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,286.88	41.87
		For 175 Lb. Rating, Add	*538.75*	
		For 250 Lb. Rating, Add	*808.13*	
		For Work In Restricted Working Space, Add	*62.81*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,047.37	136.44
		For 150 Lb. Rating, Add	*131.46*	
		For 175 Lb. Rating, Add	*271.68*	
		For 250 Lb. Rating, Add	*569.66*	
		For Chain Operated Type, Add	*438.20*	
		For Work In Restricted Working Space, Add	*51.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,119.01	173.22
		For 150 Lb. Rating, Add	*135.37*	
		For 175 Lb. Rating, Add	*279.76*	
		For 250 Lb. Rating, Add	*586.59*	
		For Chain Operated Type, Add	*451.22*	
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,149.43	173.48
		For 150 Lb. Rating, Add	*139.78*	
		For 175 Lb. Rating, Add	*288.89*	
		For 250 Lb. Rating, Add	*605.73*	
		For Chain Operated Type, Add	*465.95*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,279.89	203.40
		For 150 Lb. Rating, Add	*153.80*	
		For 175 Lb. Rating, Add	*317.85*	
		For 250 Lb. Rating, Add	*666.46*	
		For Chain Operated Type, Add	*512.67*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,670.77	340.99
		For 150 Lb. Rating, Add	*186.52*	
		For 175 Lb. Rating, Add	*385.47*	
		For 250 Lb. Rating, Add	*808.25*	
		For Chain Operated Type, Add	*621.73*	
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,191.73	366.02
		For 150 Lb. Rating, Add	*260.24*	
		For 175 Lb. Rating, Add	*537.82*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For Chain Operated Type, Add	*867.45*	
		For Work In Restricted Working Space, Add	*137.05*	
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,491.51	406.70
		For 150 Lb. Rating, Add	*297.20*	
		For 175 Lb. Rating, Add	*614.21*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For Chain Operated Type, Add	*990.66*	
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,996.49	519.67
		For 150 Lb. Rating, Add	*502.64*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For Chain Operated Type, Add	*1,675.48*	
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,947.90	632.64
		For 150 Lb. Rating, Add	*773.57*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For Chain Operated Type, Add	*2,578.56*	
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,494.73	768.19
		For 150 Lb. Rating, Add	*980.43*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For Chain Operated Type, Add	*3,268.10*	
		For Work In Restricted Working Space, Add	*287.56*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,303.87	1,092.38
		For 150 Lb. Rating, Add	*2,090.76*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 250 Lb. Rating, Add	*9,059.95*	
		For Work In Restricted Working Space, Add	*409.64*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	20,041.49	1,201.62
		For 150 Lb. Rating, Add	*2,780.92*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 250 Lb. Rating, Add	*12,050.66*	
		For Work In Restricted Working Space, Add	*450.61*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,621.46	1,332.70
		For 150 Lb. Rating, Add	*3,893.34*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 250 Lb. Rating, Add	*16,871.13*	
		For Work In Restricted Working Space, Add	*499.76*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,243.88	1,502.02
		For 150 Lb. Rating, Add	*5,004.95*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 250 Lb. Rating, Add	*21,688.13*	
		For Work In Restricted Working Space, Add	*563.26*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,333.84	1,843.39
		For 150 Lb. Rating, Add	*6,904.44*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 250 Lb. Rating, Add	*29,919.24*	
		For Work In Restricted Working Space, Add	*691.27*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,567.96	3,004.05
		For 150 Lb. Rating, Add	*14,671.94*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 250 Lb. Rating, Add	*63,578.39*	
		For Work In Restricted Working Space, Add	*1,126.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	129,286.66	4,005.40
		For 150 Lb. Rating, Add	*18,641.99*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 250 Lb. Rating, Add	*80,781.95*	
		For Work In Restricted Working Space, Add	*1,502.02*	
23 05 23 00-0055	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	151,351.83	5,086.87
		For 150 Lb. Rating, Add	*21,748.99*	
		For 175 Lb. Rating, Add	*44,947.90*	
		For 250 Lb. Rating, Add	*94,245.61*	
		For Work In Restricted Working Space, Add	*1,907.58*	
23 05 23 00-0056	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	181,837.84	6,358.59
		For 150 Lb. Rating, Add	*26,083.44*	
		For 175 Lb. Rating, Add	*53,905.78*	
		For 250 Lb. Rating, Add	*113,028.24*	
		For Work In Restricted Working Space, Add	*2,384.47*	
23 05 23 00-0057	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	218,205.41	7,630.31
		For 150 Lb. Rating, Add	*31,300.13*	
		For 175 Lb. Rating, Add	*64,686.93*	
		For 250 Lb. Rating, Add	*135,633.89*	
		For Work In Restricted Working Space, Add	*2,861.37*	

23 05 23 00-0058 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0059	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	176.87	12.99
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0060	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	180.95	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0061	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	214.18	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0062	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	259.99	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0063	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	395.76	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0064	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	467.89	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0065	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	587.80	23.65
		For Work In Restricted Working Space, Add	*35.44*	

23 05 23 00-0066 Cast Steel Flanged Gate Valves *(23 05 23 00-0001)*

23 05 23 00-0067 Class 150, Cast Steel, Flanged, Gate Valves *(23 05 23 00-0066)*

23 05 23 00-0068	EA	2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	2,303.55	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0069	EA	2-1/2" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	3,210.88	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0070	EA	3" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	3,247.90	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0071	EA	4" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	4,214.10	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0072	EA	6" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	6,246.07	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0073	EA	8" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	9,688.23	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0074	EA	10" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	13,988.88	632.64
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0075	EA	12" Diameter, Class 150, Cast Steel, Flanged, Gate Valve	17,840.00	768.19
		For Work In Restricted Working Space, Add	*287.56*	

23 05 23 00-0076 Class 300, Cast Steel, Flanged, Gate Valves *(23 05 23 00-0066)*

23 05 23 00-0077	EA	2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,024.84	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0078	EA	2-1/2" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,932.73	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0079	EA	3" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	3,969.75	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0080	EA	4" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	5,672.60	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0081	EA	6" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	9,197.54	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0082	EA	8" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	13,793.25	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0083	EA	10" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	17,765.07	632.64
		For Work In Restricted Working Space, Add	*237.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0084	EA	12" Diameter, Class 300, Cast Steel, Flanged, Gate Valve	30,152.34	768.19
		For Work In Restricted Working Space, Add	*287.56*	

23 05 23 00-0085 Class 600, Cast Steel, Flanged, Gate Valves *(23 05 23 00-0066)*

23 05 23 00-0086	EA	2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	4,454.17	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0087	EA	2-1/2" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	5,659.07	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0088	EA	3" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	5,696.09	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0089	EA	4" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	8,565.73	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0090	EA	6" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	16,696.88	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0091	EA	8" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	35,593.83	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0092	EA	10" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	53,015.66	632.64
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0093	EA	12" Diameter, Class 600, Cast Steel, Flanged, Gate Valve	70,735.78	768.19
		For Work In Restricted Working Space, Add	*287.56*	

23 05 23 00-0094 Ball Valves *(23 05 23)*

23 05 23 00-0095 Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0094)*

Note: 125 Lb. WSP.

23 05 23 00-0096	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	56.95	12.99
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*6.76*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0097	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	79.60	14.30
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.40*	
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0098	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	99.58	16.24
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*14.04*	
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0099	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	139.01	17.29
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*23.57*	
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0100	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	166.86	20.01
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*30.11*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0101	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	201.93	23.65
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*37.71*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0102	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	555.00	31.95
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*177.96*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0103	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	640.36	37.09
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*205.33*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0104	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	831.47	41.87
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*279.94*	
		For Work In Restricted Working Space, Add	*62.81*	

23 05 23 00-0105 Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0094)*

23 05 23 00-0106	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	66.60	12.99
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0107	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	73.14	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0108	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	101.64	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0109	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	129.10	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0110	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	190.39	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0111	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	231.41	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0112	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	299.13	23.65
		For Work In Restricted Working Space, Add	*35.44*	

23 05 23 00-0113 Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves *(23 05 23 00-0094)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0114	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	627.43	136.44
		For 150 Lb. Rating, Add	*132.37*	
		For 250 Lb. Rating, Add	*228.23*	
		For 300 Lb. Rating, ASTM A182, Add	*541.95*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*51.29*	
		For Work In Restricted Working Space, Add	*51.29*	
23 05 23 00-0115	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	782.85	173.22
		For 150 Lb. Rating, Add	*164.22*	
		For 250 Lb. Rating, Add	*283.14*	
		For 300 Lb. Rating, ASTM A182, Add	*674.57*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*64.97*	
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0116	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,251.99	173.48
		For 150 Lb. Rating, Add	*299.99*	
		For 250 Lb. Rating, Add	*517.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,143.22*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*65.26*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0117	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,373.01	203.40
		For 150 Lb. Rating, Add	*324.35*	
		For 250 Lb. Rating, Add	*559.23*	
		For 300 Lb. Rating, ASTM A182, Add	*1,245.73*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*76.37*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0118	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,998.28	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0119	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,769.63	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0120	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,203.02	519.67
		For Work In Restricted Working Space, Add	*193.66*	

23 05 23 00-0121 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0094)*

23 05 23 00-0122	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	48.40	12.99
		For True Union Socket Or Thread Type, Add	*4.79*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0123	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	63.95	14.30
		For True Union Socket Or Thread Type, Add	*5.95*	
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0124	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	78.78	16.24
		For True Union Socket Or Thread Type, Add	*7.75*	
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0125	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	100.28	17.29
		For True Union Socket Or Thread Type, Add	*10.01*	
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0126	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	123.71	20.01
		For True Union Socket Or Thread Type, Add	*14.75*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0127	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	148.40	23.65
		For True Union Socket Or Thread Type, Add	*18.31*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0128	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	224.67	31.95
		For True Union Socket Or Thread Type, Add	*34.43*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0129	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	294.83	37.09
		For True Union Socket Or Thread Type, Add	*53.97*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0130	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	421.15	41.87
		For True Union Socket Or Thread Type, Add	*95.70*	
		For Work In Restricted Working Space, Add	*62.81*	

23 05 23 00-0131 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0094)*

23 05 23 00-0132	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.95	19.49
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*17.03*	
23 05 23 00-0133	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	104.93	19.49
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*17.92*	
23 05 23 00-0134	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	108.06	19.49
		For Full Port, Add	*20.34*	
		For Work In Restricted Working Space, Add	*18.86*	
23 05 23 00-0135	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	132.67	21.44
		For Full Port, Add	*21.56*	
		For Work In Restricted Working Space, Add	*25.43*	
23 05 23 00-0136	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	173.57	24.37
		For Full Port, Add	*31.94*	
		For Work In Restricted Working Space, Add	*30.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0137	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	227.09	25.93
		For Full Port, Add	*43.72*	
		For Work In Restricted Working Space, Add	*38.98*	
23 05 23 00-0138	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	279.10	30.01
		For Full Port, Add	*58.13*	
		For Work In Restricted Working Space, Add	*44.98*	
23 05 23 00-0139	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	387.42	35.48
		For Full Port, Add	*94.60*	
		For Work In Restricted Working Space, Add	*53.16*	
23 05 23 00-0140	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	749.46	47.92
		For Full Port, Add	*229.58*	
		For Work In Restricted Working Space, Add	*71.79*	
23 05 23 00-0141	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,086.23	55.63
		For Full Port, Add	*364.55*	
		For Work In Restricted Working Space, Add	*82.83*	

23 05 23 00-0142 Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valves *(23 05 23 00-0094)*

23 05 23 00-0143	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	112.84	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0144	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	158.04	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0145	EA	1" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	203.79	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0146	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	281.67	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0147	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	361.08	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0148	EA	2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	485.64	23.65
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0149	EA	2-1/2" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	957.41	31.95
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0150	EA	3" Diameter Threaded, 150 Lb., Full Port, Stainless Steel Body, Ball Valve	1,296.26	37.09
		For Work In Restricted Working Space, Add	*55.22*	

23 05 23 00-0151 Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0094)*

23 05 23 00-0152	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	184.11	12.99
23 05 23 00-0153	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	236.30	16.89
23 05 23 00-0154	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	304.33	20.79
23 05 23 00-0155	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	414.99	28.58
23 05 23 00-0156	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	518.62	33.26
23 05 23 00-0157	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	683.75	38.98

23 05 23 00-0158 Plastic Ball Valves *(23 05 23 00-0094)*

Note: Threaded or socket.

23 05 23 00-0159 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0158)*

23 05 23 00-0160	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	77.14	12.99
23 05 23 00-0161	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	80.56	12.99
23 05 23 00-0162	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	102.32	14.30
23 05 23 00-0163	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	132.71	16.24
23 05 23 00-0164	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	158.37	17.29
23 05 23 00-0165	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	191.31	20.01
23 05 23 00-0166	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	232.67	23.65

23 05 23 00-0167 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves *(23 05 23 00-0158)*

23 05 23 00-0168	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	113.64	12.99
23 05 23 00-0169	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	115.40	12.99
23 05 23 00-0170	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	145.45	14.30
23 05 23 00-0171	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	179.53	16.24
23 05 23 00-0172	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	269.10	17.29
23 05 23 00-0173	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	299.02	20.01
23 05 23 00-0174	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	358.66	23.65

23 05 23 00-0175 Viton Liner And Seals, Polypropylene (PP) Ball Valves *(23 05 23 00-0158)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0176	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	126.08	12.99
23 05 23 00-0177	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	136.13	12.99
23 05 23 00-0178	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	157.06	14.30
23 05 23 00-0179	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	192.80	16.24
23 05 23 00-0180	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	242.56	17.29
23 05 23 00-0181	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	290.72	20.01
23 05 23 00-0182	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	375.24	23.65
23 05 23 00-0183		Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves *(23 05 23 00-0158)*		
23 05 23 00-0184	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	248.83	12.99
23 05 23 00-0185	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	265.52	12.99
23 05 23 00-0186	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	316.30	14.30
23 05 23 00-0187	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	370.29	16.24
23 05 23 00-0188	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	451.57	17.29
23 05 23 00-0189	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	498.07	20.01
23 05 23 00-0190	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	574.30	23.65
23 05 23 00-0191		Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0158)*		
23 05 23 00-0192	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	54.27	12.99
23 05 23 00-0193	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	72.71	14.30
23 05 23 00-0194	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	88.30	16.24
23 05 23 00-0195	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	121.80	17.29
23 05 23 00-0196	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	135.13	20.01
23 05 23 00-0197	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	164.49	23.65
23 05 23 00-0198		Plastic, True Union, Ball Valves *(23 05 23 00-0094)*		
23 05 23 00-0199		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves *(23 05 23 00-0198)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0200	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	122.76	12.99
23 05 23 00-0201	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	127.84	12.99
23 05 23 00-0202	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	155.40	14.30
23 05 23 00-0203	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	191.14	16.24
23 05 23 00-0204	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	230.95	17.29
23 05 23 00-0205	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	265.84	20.01
23 05 23 00-0206	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	325.48	23.65
23 05 23 00-0207		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves *(23 05 23 00-0198)*		
		Note: Socket or NPT connectors.		
23 05 23 00-0208	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	124.42	12.99
23 05 23 00-0209	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	144.43	12.99
23 05 23 00-0210	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	157.06	14.30
23 05 23 00-0211	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	191.14	16.24
23 05 23 00-0212	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	227.63	17.29
23 05 23 00-0213	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	264.18	20.01
23 05 23 00-0214	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	325.48	23.65
23 05 23 00-0215		Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*		
		Note: Socket or NPT connectors.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0216	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	69.78	12.99
23 05 23 00-0217	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	89.88	14.30
23 05 23 00-0218	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	108.20	16.24
23 05 23 00-0219	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	142.20	17.29
23 05 23 00-0220	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	166.31	20.01
23 05 23 00-0221	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	225.95	23.65
23 05 23 00-0222	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	315.46	31.95
23 05 23 00-0223	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	396.40	37.09
23 05 23 00-0224	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	557.73	41.87

23 05 23 00-0225 Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves *(23 05 23 00-0198)*

Note: Socket or NPT connectors.

23 05 23 00-0226	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	81.39	12.99
23 05 23 00-0227	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	106.46	14.30
23 05 23 00-0228	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	131.42	16.24
23 05 23 00-0229	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	182.84	17.29
23 05 23 00-0230	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	201.15	20.01
23 05 23 00-0231	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	257.47	23.65
23 05 23 00-0232	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	441.53	31.95
23 05 23 00-0233	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	515.83	37.09
23 05 23 00-0234	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	789.96	41.87

23 05 23 00-0235 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0198)*

23 05 23 00-0236 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0235)*

23 05 23 00-0237	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.28	12.99
23 05 23 00-0238	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.26	12.99
23 05 23 00-0239	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	71.02	12.99
23 05 23 00-0240	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	90.87	14.30
23 05 23 00-0241	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	111.34	16.24
23 05 23 00-0242	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	135.24	17.29
23 05 23 00-0243	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	162.57	20.01
23 05 23 00-0244	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	207.71	23.65
23 05 23 00-0245	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	380.98	31.95
23 05 23 00-0246	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	424.60	37.09
23 05 23 00-0247	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	583.44	41.87

23 05 23 00-0248 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0235)*

23 05 23 00-0249	EA	1/4" Diameter Threaded Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.28	12.99
23 05 23 00-0250	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	69.26	12.99
23 05 23 00-0251	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	71.02	12.99
23 05 23 00-0252	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	90.87	14.30
23 05 23 00-0253	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	111.34	16.24
23 05 23 00-0254	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	135.24	17.29
23 05 23 00-0255	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	162.57	20.01
23 05 23 00-0256	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	207.71	23.65
23 05 23 00-0257	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	380.98	31.95
23 05 23 00-0258	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	424.60	37.09
23 05 23 00-0259	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	583.44	41.87

23 05 23 00-0260 Three Piece Ball Valves *(23 05 23 00-0094)*

23 05 23 00-0261 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0260)*

23 05 23 00-0262	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	107.65	12.99
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0263	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	109.63	12.99
		For Work In Restricted Working Space, Add	*11.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0264	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	122.84	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0265	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	155.79	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0266	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	198.81	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0267	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	274.09	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0268	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	342.65	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0269	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	557.86	23.65
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0270	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,195.62	33.92
		For Work In Restricted Working Space, Add	*51.97*	

23 05 23 00-0271 Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0260)*

23 05 23 00-0272	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	124.49	12.99
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0273	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	136.24	12.99
		For Work In Restricted Working Space, Add	*11.95*	
23 05 23 00-0274	EA	1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	144.56	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0275	EA	3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	230.04	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0276	EA	1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	293.69	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0277	EA	1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	443.68	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0278	EA	1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	563.94	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0279	EA	2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	732.68	23.65
		For Work In Restricted Working Space, Add	*35.44*	

23 05 23 00-0280 Threaded, Stainless Steel Body, Three Piece Ball Valves *(23 05 23 00-0260)*

23 05 23 00-0281	EA	1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	318.03	12.99
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0282	EA	3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	340.88	12.99
		For Work In Restricted Working Space, Add	*11.95*	
23 05 23 00-0283	EA	1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	359.31	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0284	EA	3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	521.07	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0285	EA	1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	635.24	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0286	EA	1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	742.21	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0287	EA	1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	993.15	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0288	EA	2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	1,292.01	23.65
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0289	EA	3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	3,391.97	40.29
		For Work In Restricted Working Space, Add	*59.97*	

23 05 23 00-0290 Globe Valves *(23 05 23)*

23 05 23 00-0291 Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves *(23 05 23 00-0290)*

23 05 23 00-0292	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	80.06	12.99
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0293	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	75.98	12.99
		For 150 Lb. Rating, Add	*11.82*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0294	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	96.75	12.99
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*11.95*	
23 05 23 00-0295	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	98.85	12.99
		For 150 Lb. Rating, Add	*17.65*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*79.39*	
		For Work In Restricted Working Space, Add	*12.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0296	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	118.21	13.64
		For 150 Lb. Rating, Add	*19.13*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*90.49*	
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0297	EA	1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	151.80	13.64
		For 150 Lb. Rating, Add	*25.86*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*119.11*	
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0298	EA	1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	230.69	17.29
		For 150 Lb. Rating, Add	*44.66*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*193.12*	
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0299	EA	1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	305.85	20.01
		For 150 Lb. Rating, Add	*63.83*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*266.46*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0300	EA	2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	360.17	23.65
		For 150 Lb. Rating, Add	*75.03*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*313.50*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0301	EA	2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	403.56	31.95
		For 150 Lb. Rating, Add	*75.65*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0302	EA	3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	730.79	37.09
		For 150 Lb. Rating, Add	*169.48*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0303		Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0290)*		
23 05 23 00-0304	EA	2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	543.38	23.65
		For 150 Lb. Rating, Add	*131.83*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 300 Lb. Rating, Add	*233.89*	
		For Chain Operated Type, Add	*355.08*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0305	EA	2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	674.98	31.95
		For 150 Lb. Rating, Add	*159.79*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 300 Lb. Rating, Add	*283.50*	
		For Chain Operated Type, Add	*430.40*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0306	EA	3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	802.61	37.09
		For 150 Lb. Rating, Add	*191.75*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 300 Lb. Rating, Add	*340.20*	
		For Chain Operated Type, Add	*516.48*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0307	EA	4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,034.04	41.87
		For 150 Lb. Rating, Add	*255.66*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 300 Lb. Rating, Add	*453.60*	
		For Chain Operated Type, Add	*688.64*	
		For Work In Restricted Working Space, Add	*62.80*	
23 05 23 00-0308		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0290)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0309	EA	2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	737.41	173.22
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0310	EA	2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	852.47	173.48
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0311	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,016.48	203.40
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0312	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,443.20	340.99
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0313	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,869.55	366.02
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*137.05*	
23 05 23 00-0314	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,295.93	406.70
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0315	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,391.61	519.67
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0316	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,973.39	632.64
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0317	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,873.15	768.19
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*287.56*	

23 05 23 00-0318 Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves *(23 05 23 00-0290)*

23 05 23 00-0319	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	70.81	12.99
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0320	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	66.73	12.99
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0321	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	68.71	12.99
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For 300 Lb. Rating, Add	*15.89*	
		For Work In Restricted Working Space, Add	*11.95*	
23 05 23 00-0322	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	72.74	12.99
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For 300 Lb. Rating, Add	*16.95*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0323	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	99.23	13.64
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For 300 Lb. Rating, Add	*23.51*	
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0324	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	124.47	13.64
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For 300 Lb. Rating, Add	*30.84*	
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0325	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	169.94	17.29
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For 300 Lb. Rating, Add	*45.82*	
		For Work In Restricted Working Space, Add	*25.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0326	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	197.09	20.01
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For 300 Lb. Rating, Add	*53.42*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0327	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	264.42	23.65
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For 300 Lb. Rating, Add	*80.46*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0328	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	437.15	34.69
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For 300 Lb. Rating, Add	*145.14*	
		For Work In Restricted Working Space, Add	*51.98*	
23 05 23 00-0329	EA	3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	646.81	40.29
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For 300 Lb. Rating, Add	*245.80*	
		For Work In Restricted Working Space, Add	*59.97*	
23 05 23 00-0330		**Flanged, 125 Lb., Iron Body, Angle Globe Valves** *(23 05 23 00-0290)*		
23 05 23 00-0331	EA	2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,556.60	173.22
		For 250 Lb. Rating, Add	*804.02*	
		For Chain Operated Type, Add	*522.61*	
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0332	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,802.36	173.48
		For 250 Lb. Rating, Add	*950.89*	
		For Chain Operated Type, Add	*618.08*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0333	EA	3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,122.15	203.40
		For 250 Lb. Rating, Add	*1,120.55*	
		For Chain Operated Type, Add	*728.36*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0334	EA	4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,094.76	340.99
		For 250 Lb. Rating, Add	*1,600.47*	
		For Chain Operated Type, Add	*1,040.31*	
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0335	EA	5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,237.41	366.02
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*137.05*	
23 05 23 00-0336	EA	6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,290.77	406.70
		For 250 Lb. Rating, Add	*2,868.35*	
		For Chain Operated Type, Add	*1,864.43*	
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0337	EA	8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	10,002.08	519.67
		For 250 Lb. Rating, Add	*5,613.92*	
		For Chain Operated Type, Add	*3,649.05*	
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0338		**Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves** *(23 05 23 00-0290)*		
		Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0339	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	222.65	21.05
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0340	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	226.73	21.05
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0341	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	266.74	28.32
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0342	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	329.50	34.18
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0343	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	534.25	43.27
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0344	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	640.84	50.02
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0345	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	815.00	59.12
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0346		**Polyvinyl Chloride (PVC), Angle Globe Valves** *(23 05 23 00-0290)*		
23 05 23 00-0347	EA	1/4" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	66.79	20.79
23 05 23 00-0348	EA	1/2" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	85.29	20.79
23 05 23 00-0349	EA	3/4" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	108.27	28.58
23 05 23 00-0350	EA	1" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	130.16	34.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0351	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	186.59	43.53
23 05 23 00-0352	EA	2" Diameter, Polyvinyl Chloride (PVC), Angle Globe Valve	229.44	50.02
23 05 23 00-0353		**Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0290)*		
23 05 23 00-0354		**Class 150, Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0353)*		
23 05 23 00-0355	EA	2" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	2,488.79	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0356	EA	2-1/2" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	3,527.09	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0357	EA	3" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	3,564.11	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0358	EA	4" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	5,035.38	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0359	EA	6" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	7,802.60	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0360	EA	8" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	12,759.60	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0361	EA	10" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	28,865.35	632.64
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0362	EA	12" Diameter, Class 150, Flanged, Cast Steel, Globe Valve	26,448.67	768.19
		For Work In Restricted Working Space, Add	*287.56*	
23 05 23 00-0363		**Class 300, Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0353)*		
23 05 23 00-0364	EA	2" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	3,274.11	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0365	EA	2-1/2" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	4,325.20	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0366	EA	3" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	4,362.22	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0367	EA	4" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	6,810.23	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0368	EA	6" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	11,555.01	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0369	EA	8" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	18,258.90	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0370	EA	10" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	36,897.92	632.64
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0371	EA	12" Diameter, Class 300, Flanged, Cast Steel, Globe Valve	45,039.68	768.19
		For Work In Restricted Working Space, Add	*287.56*	
23 05 23 00-0372		**Class 600, Flanged, Cast Steel, Globe Valves** *(23 05 23 00-0353)*		
23 05 23 00-0373	EA	2" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	4,594.72	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0374	EA	2-1/2" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	6,844.43	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0375	EA	3" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	6,881.45	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0376	EA	4" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	10,599.68	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0377	EA	6" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	21,509.92	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0378	EA	8" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	38,253.60	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0379	EA	10" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	56,990.30	632.64
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0380	EA	12" Diameter, Class 600, Flanged, Cast Steel, Globe Valve	76,046.24	768.19
		For Work In Restricted Working Space, Add	*287.56*	
23 05 23 00-0381		**Triple Duty Valves** *(23 05 23)*		
		Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0382		**Straight Pattern, Triple Duty Valves** *(23 05 23 00-0381)*		
		Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0383	EA	1" Diameter Threaded, Straight Pattern, Triple Duty Valve	325.91	13.64
23 05 23 00-0384	EA	1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	368.12	17.29
23 05 23 00-0385	EA	1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	410.95	20.01
23 05 23 00-0386	EA	2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,062.15	173.22
23 05 23 00-0387	EA	2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,194.33	173.48
23 05 23 00-0388	EA	3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,309.10	203.40
23 05 23 00-0389	EA	4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,672.46	340.99
23 05 23 00-0390	EA	5" Diameter Flanged, Straight Pattern Triple Duty Valve	3,105.33	366.02
23 05 23 00-0391	EA	6" Diameter Flanged, Straight Pattern, Triple Duty Valve	4,125.76	406.70
23 05 23 00-0392	EA	8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,553.78	519.67
23 05 23 00-0393	EA	10" Diameter Flanged, Straight Pattern, Triple Duty Valve	8,896.67	632.64
23 05 23 00-0394		**Flanged, Angle Pattern, Triple Duty Valves** *(23 05 23 00-0381)*		
		Note: Bell & Gossett 3D-S Series.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0395	EA	2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,037.85	173.22
23 05 23 00-0396	EA	2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,165.17	173.48
23 05 23 00-0397	EA	3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,284.80	203.40
23 05 23 00-0398	EA	4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,609.29	340.99
23 05 23 00-0399	EA	5" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,027.58	366.02
23 05 23 00-0400	EA	6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,396.82	406.70
23 05 23 00-0401	EA	8" Diameter Flanged, Angle Pattern, Triple Duty Valve	5,208.74	519.67
23 05 23 00-0402	EA	10" Diameter Flanged, Angle Pattern, Triple Duty Valve	6,957.67	632.64
23 05 23 00-0403		Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0381)*		
		Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0404	EA	3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,202.19	203.40
23 05 23 00-0405	EA	4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,390.60	340.99
23 05 23 00-0406	EA	5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,779.74	366.02
23 05 23 00-0407	EA	6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,683.53	406.70
23 05 23 00-0408	EA	8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,951.18	519.67
23 05 23 00-0409	EA	10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,890.72	632.64
23 05 23 00-0410	EA	12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,863.78	768.19
23 05 23 00-0411	EA	14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,417.78	903.76
23 05 23 00-0412	EA	16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	18,053.15	994.14
23 05 23 00-0413		Grooved Straight Pattern, Triple Duty Valves *(23 05 23 00-0381)*		
		Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0414	EA	2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,116.55	32.10
23 05 23 00-0415	EA	2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,331.02	38.29
23 05 23 00-0416	EA	3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,549.27	41.52
23 05 23 00-0417	EA	4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,570.31	44.75
23 05 23 00-0418	EA	5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,977.35	57.62
23 05 23 00-0419	EA	6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,969.26	73.88
23 05 23 00-0420	EA	8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,398.21	93.77
23 05 23 00-0421	EA	10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,516.74	105.06
23 05 23 00-0422	EA	12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,520.63	128.11
23 05 23 00-0423		Plug Valves *(23 05 23)*		
23 05 23 00-0424		Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated *(23 05 23 00-0423)*		
		Note: Includes wrench.		
23 05 23 00-0425	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	312.25	12.99
23 05 23 00-0426	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	326.82	14.30
23 05 23 00-0427	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	413.19	16.24
23 05 23 00-0428	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	494.88	17.29
23 05 23 00-0429	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	544.07	20.01
23 05 23 00-0430	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	642.23	23.65
23 05 23 00-0431	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	962.23	31.95
23 05 23 00-0432	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,177.10	37.09
23 05 23 00-0433		Plug Valves, Lubricated, Semisteel Flanged *(23 05 23 00-0423)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0434	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	772.76	173.22
23 05 23 00-0435	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	950.18	173.48
23 05 23 00-0436	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,175.15	203.40
23 05 23 00-0437	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,673.95	340.99
23 05 23 00-0438	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,835.83	406.70
23 05 23 00-0439	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,637.06	519.67
23 05 23 00-0440	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,775.38	632.64
23 05 23 00-0441	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,113.78	768.19
23 05 23 00-0442	EA	14" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	26,396.63	1,092.38
23 05 23 00-0443	EA	16" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	28,209.42	1,201.62
23 05 23 00-0444	EA	18" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	33,988.89	1,332.70
23 05 23 00-0445	EA	20" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	43,759.35	1,502.02
23 05 23 00-0446	EA	24" Diameter Plug Valve, Semi-Steel, Flanged, 150 PSI, Wrench Operated, With Wrench	54,931.42	1,843.39
23 05 23 00-0447		Plug Valves, Forged Steel, Screwed *(23 05 23 00-0423)*		
23 05 23 00-0448	EA	1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,198.20	12.99
23 05 23 00-0449	EA	3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,415.94	14.30
23 05 23 00-0450	EA	1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,600.90	16.24
23 05 23 00-0451	EA	1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,920.96	17.29
23 05 23 00-0452	EA	1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,236.95	20.01
23 05 23 00-0453	EA	2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,942.37	23.65
23 05 23 00-0454		Plug Valves, Eccentric, Cast Iron Flanged *(23 05 23 00-0423)*		
23 05 23 00-0455	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,259.99	340.99
23 05 23 00-0456	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,938.03	406.70
23 05 23 00-0457	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,635.80	519.67
23 05 23 00-0458	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,736.58	632.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0459	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,824.35	768.19
23 05 23 00-0460		Foot Valves *(23 05 23)*		
23 05 23 00-0461		Single Poppet Foot Valves, Metal To Metal Seat Construction *(23 05 23 00-0460)*		
23 05 23 00-0462	EA	1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	104.99	32.50
23 05 23 00-0463	EA	1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	119.34	36.39
23 05 23 00-0464	EA	1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	152.56	41.60
23 05 23 00-0465	EA	2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	200.19	46.79
23 05 23 00-0466	EA	2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	454.19	76.69
23 05 23 00-0467	EA	3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	580.33	93.59
23 05 23 00-0468		Double Poppet Foot Valves, Metal To Metal Seat Construction *(23 05 23 00-0460)*		
23 05 23 00-0469	EA	1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	104.99	32.50
23 05 23 00-0470	EA	1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	222.12	36.39
23 05 23 00-0471	EA	1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	211.85	41.60
23 05 23 00-0472	EA	2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	287.11	46.79
23 05 23 00-0473	EA	3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	561.96	76.69
23 05 23 00-0474	EA	4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	763.20	92.30
23 05 23 00-0475		Foot Valves, Buna-N-Ring And Stainless Steel Screen, SSI Model *(23 05 23 00-0460)*		
23 05 23 00-0476		Flanged Cast Iron Foot Valves, ASTM A126 Grade B (SSI 125FVIB) *(23 05 23 00-0475)*		
23 05 23 00-0477	EA	2" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,247.38	79.76
23 05 23 00-0478	EA	2-1/2" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,486.59	87.02
23 05 23 00-0479	EA	3" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	1,833.44	101.82
23 05 23 00-0480	EA	4" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	2,288.05	170.93
23 05 23 00-0481	EA	6" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	3,559.75	216.13
23 05 23 00-0482	EA	8" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	4,923.32	273.47
23 05 23 00-0483	EA	10" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	7,433.67	335.01
23 05 23 00-0484	EA	12" Diameter Flanged Cast Iron Foot Valve With Stainless Steel Screen, 125FVIB	11,849.28	406.07
23 05 23 00-0485		Flanged Cast Steel Foot Valve, ASTM A216 WBC (SSI 150FVFS) *(23 05 23 00-0475)*		
23 05 23 00-0486	EA	2" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	1,502.90	79.76
23 05 23 00-0487	EA	4" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	2,199.88	170.93
23 05 23 00-0488	EA	6" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	3,348.63	216.13
23 05 23 00-0489	EA	8" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	5,006.17	273.47
23 05 23 00-0490	EA	10" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	6,909.96	335.01
23 05 23 00-0491	EA	12" Diameter Flanged, Cast Steel Foot Valve With Stainless Steel Screen, 125FVFS	10,154.99	406.07
23 05 23 00-0492		Flanged Cast Stainless Steel Foot Valve, ASTM A351 Grade CF8M (SSI 150FVFSS) *(23 05 23 00-0475)*		
23 05 23 00-0493	EA	2" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	970.94	79.76
23 05 23 00-0494	EA	4" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	1,659.46	170.93
23 05 23 00-0495	EA	6" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	2,580.29	129.29
23 05 23 00-0496	EA	8" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	3,835.51	273.47
23 05 23 00-0497	EA	10" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	5,565.02	335.01
23 05 23 00-0498	EA	12" Diameter Flanged, Cast Stainless Steel Foot Valve With Stainless Steel Screen, 125FVFSS	9,435.74	406.07
23 05 23 00-0499		Float Valves *(23 05 23)*		
23 05 23 00-0500		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0499)*		
23 05 23 00-0501		Single Seat, Bronze Construction *(23 05 23 00-0500)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0502	EA	1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	240.39	27.29
23 05 23 00-0503	EA	3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	275.65	32.49
23 05 23 00-0504	EA	1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	357.07	35.08
23 05 23 00-0505	EA	1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	594.74	44.18
23 05 23 00-0506	EA	1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	607.73	50.68
23 05 23 00-0507		Double Seat, Bronze Construction *(23 05 23 00-0500)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0508	EA	1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,280.73	27.29
23 05 23 00-0509	EA	3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,291.13	32.49
23 05 23 00-0510	EA	1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,490.10	35.08
23 05 23 00-0511	EA	1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,647.62	44.18
23 05 23 00-0512	EA	1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,883.55	50.68
23 05 23 00-0513	EA	2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,470.24	59.77
23 05 23 00-0514	EA	2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,873.40	80.16
23 05 23 00-0515	EA	3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,455.86	92.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0516		**Float Valve Single Seated Balanced For Air Oil Or Water** *(23 05 23 00-0499)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0517		**Brass Body Threaded Ends** *(23 05 23 00-0516)*		
23 05 23 00-0518	EA	1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	255.84	35.21
23 05 23 00-0519	EA	3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	289.14	39.11
23 05 23 00-0520	EA	1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	357.33	43.27
23 05 23 00-0521	EA	1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	571.27	69.91
23 05 23 00-0522	EA	1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	599.33	79.66
23 05 23 00-0523	EA	2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	676.19	98.75
23 05 23 00-0524		**Cast Iron Body Flanged** *(23 05 23 00-0516)*		
23 05 23 00-0525	EA	2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	8,053.22	173.48
23 05 23 00-0526	EA	3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,737.23	203.40
23 05 23 00-0527		**Float Operated Valves** *(23 05 23 00-0499)*		
23 05 23 00-0528		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0527)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0529	EA	1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	902.36	61.07
23 05 23 00-0530		**For Condensate Receivers Tanks And Vessels** *(23 05 23 00-0527)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0531	EA	3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,139.16	113.66
23 05 23 00-0532		**Float Valve Accessories** *(23 05 23 00-0499)*		
23 05 23 00-0533	EA	4" x 4" x 4" Float Valve Junction Box, NEMA 4X	311.17	44.86
23 05 23 00-0534	EA	6" x 6" x 4" Float Valve Junction Box, NEMA 4X	399.15	47.86
23 05 23 00-0535	EA	8" x 8" x 4" Float Valve Junction Box, NEMA 4X	487.14	50.85
23 05 23 00-0536	EA	10" x 8" x 4" Float Valve Junction Box, NEMA 4X	574.00	53.84
23 05 23 00-0537	EA	SS Float Switch Mounting Bracket, Multiple	304.68	74.78
23 05 23 00-0538	EA	SS Float Switch Mounting Bracket, Single	198.64	50.85
23 05 23 00-0539	EA	Direct Acting Float Switch. 3 Wire Single Pole Double Throw, 30' Of Cable (Roto Float P20 No/NC)	293.68	59.82
		For Each LF Of Additional Cable, Add	*0.65*	
		For Stainless Steel Wall Mounting Bracket, Add	*58.00*	
		For Polyvinyl Chloride (PVC) NEMA 4X Junction Box, Add	*70.00*	
		For Stainless Steel Float, Add	*80.00*	
23 05 23 00-0540		**Needle Valves** *(23 05 23)*		
23 05 23 00-0541		**Bronze Needle Valve** *(23 05 23 00-0540)*		
		Note: For heating and cooling applications.		
23 05 23 00-0542	EA	1/4" Diameter, Bronze, Needle Valve	125.68	12.99
23 05 23 00-0543	EA	3/8" Diameter, Bronze, Needle Valve	140.03	12.99
23 05 23 00-0544	EA	1/2" Diameter, Bronze, Needle Valve	153.11	12.99
23 05 23 00-0545	EA	3/4" Diameter, Bronze, Needle Valve	232.11	14.30
23 05 23 00-0546	EA	1" Diameter, Bronze, Needle Valve	354.86	16.24
23 05 23 00-0547		**Polyvinyl Chloride (PVC) Needle Valve** *(23 05 23 00-0540)*		
23 05 23 00-0548	EA	1/4" Diameter Threaded, Polyvinyl Chloride (PVC) Needle Valve	67.12	12.99
23 05 23 00-0549	EA	3/8" Diameter Threaded, Polyvinyl Chloride (PVC) Needle Valve	73.99	12.99
23 05 23 00-0550	EA	1/2" Diameter Threaded, Polyvinyl Chloride (PVC) Needle Valve	76.09	12.99
23 05 23 00-0551		**Eccentric Valves With Taps** *(23 05 23)*		
23 05 23 00-0552		**Screwed Eccentric Valves With Taps** *(23 05 23 00-0551)*		
23 05 23 00-0553	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	275.85	12.99
23 05 23 00-0554	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	294.02	14.30
23 05 23 00-0555	EA	1" Diameter Threaded, Eccentric Valves With Taps	370.70	16.24
23 05 23 00-0556	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	450.13	17.29
23 05 23 00-0557	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	492.25	20.01
23 05 23 00-0558	EA	2" Diameter Threaded, Eccentric Valves With Taps	578.80	23.65
23 05 23 00-0559	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	872.12	31.95
23 05 23 00-0560	EA	3" Diameter Threaded, Eccentric Valves With Taps	1,058.62	37.09
23 05 23 00-0561		**Flanged Eccentric Valves With Taps** *(23 05 23 00-0551)*		
23 05 23 00-0562	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,063.30	173.48
23 05 23 00-0563	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,262.27	203.40
23 05 23 00-0564	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,704.94	340.99
23 05 23 00-0565	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,256.31	366.02
23 05 23 00-0566	EA	6" Diameter Flanged, Eccentric Valves With Taps	2,849.51	406.70
23 05 23 00-0567	EA	8" Diameter Flanged, Eccentric Valves With Taps	4,874.32	519.67
23 05 23 00-0568	EA	10" Diameter Flanged, Eccentric Valves With Taps	6,819.05	632.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0569	EA	12" Diameter Flanged, Eccentric Valves With Taps	11,665.44	768.19
23 05 23 00-0570		**Emergency Shut-Off Valve With Fusible Link** *(23 05 23)*		
23 05 23 00-0571		**Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)** *(23 05 23 00-0570)*		
		Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165° F.		
23 05 23 00-0572	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	113.46	20.92
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0573	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	115.50	22.09
		For Work In Restricted Working Space, Add	*11.96*	
23 05 23 00-0574	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	197.54	20.92
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0575	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	402.04	28.20
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0576	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	1,048.06	34.18
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0577		**Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** *(23 05 23 00-0570)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0578	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	776.64	20.01
23 05 23 00-0579	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	832.98	23.65
23 05 23 00-0580	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,405.83	37.09
23 05 23 00-0581		**Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** *(23 05 23 00-0570)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0582	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	801.41	173.22
23 05 23 00-0583	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,302.68	203.40
23 05 23 00-0584	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,975.62	340.99
23 05 23 00-0585		**Synthetic Sleeve Check Valve** *(23 05 23)*		
23 05 23 00-0586		**Synthetic Sleeve Fall-Out Flap/Duckbill Check Valve** *(23 05 23 00-0585)*		
		Note: Model red valve series TF1, TF2 Or 35. For 35 series valves, select the valve and flange.		
23 05 23 00-0587	EA	4" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	1,432.50	254.84
23 05 23 00-0588	EA	8" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	3,067.50	322.53
23 05 23 00-0589	EA	12" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	4,960.69	478.88
23 05 23 00-0590	EA	20" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	13,492.97	776.78
23 05 23 00-0591	EA	24" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	14,485.77	955.95
23 05 23 00-0592	EA	30" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	24,853.18	1,525.44
23 05 23 00-0593	EA	36" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	30,240.02	3,050.88
23 05 23 00-0594	EA	48" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	53,402.01	4,059.47
23 05 23 00-0595	EA	54" Diameter, Fall Out Flat Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	71,319.54	4,513.61
23 05 23 00-0596	EA	4" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	2,072.51	254.84
23 05 23 00-0597	EA	8" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	4,194.36	322.53
23 05 23 00-0598	EA	12" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	6,716.63	478.88
23 05 23 00-0599	EA	20" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	18,722.48	776.78
23 05 23 00-0600	EA	24" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	21,687.29	955.95
23 05 23 00-0601	EA	30" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	34,598.35	1,525.44
23 05 23 00-0602	EA	36" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	41,147.60	3,050.88
23 05 23 00-0603	EA	48" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	66,339.03	4,059.47
23 05 23 00-0604	EA	54" Diameter, Rounded Bottom Type, Buna-N Sleeve Material, 316 Stainless Steel Slip-On Clamps, Check Valve	90,712.76	4,513.61
23 05 23 00-0605		**Synthetic Sleeve In-Line Flap/Duckbill Check Valve** *(23 05 23 00-0585)*		
		Note: Cast iron body. Model red valve Series 39.		
23 05 23 00-0606	EA	4" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	3,603.35	340.99
23 05 23 00-0607	EA	8" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	9,989.55	519.67
23 05 23 00-0608	EA	12" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	15,872.12	768.19
23 05 23 00-0609	EA	18" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	21,361.43	1,332.70
23 05 23 00-0610	EA	20" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	35,397.31	1,502.02
23 05 23 00-0611	EA	24" Diameter Flanged, In Line (Inserted), Buna-N Sleeve Material, Cast Iron Body, 316 Stainless Steel, Check Valve	40,401.41	1,843.39
23 05 23 00-0612	EA	4" Viton Sleeve Material, Addition	4,766.62	
23 05 23 00-0613	EA	8" Viton Sleeve Material, Addition	5,763.93	
23 05 23 00-0614	EA	12" Viton Sleeve Material, Addition	6,628.26	
23 05 23 00-0615	EA	18" Viton Sleeve Material, Addition	7,400.54	
23 05 23 00-0616	EA	20" Viton Sleeve Material, Addition	8,275.10	
23 05 23 00-0617	EA	24" Viton Sleeve Material, Addition	9,369.58	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0618		Synthetic Sleeve In-Line Flap/Duckbill Check Valve *(23 05 23 00-0585)*			
		Note: 316 Stainless steel body. Model red valve Series 2633.			
23 05 23 00-0619	EA	1/2" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve		376.45	12.99
23 05 23 00-0620	EA	3/4" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve		416.98	14.30
23 05 23 00-0621	EA	1" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve		515.39	16.24
23 05 23 00-0622	EA	1-1/2" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve		656.55	20.01
23 05 23 00-0623	EA	2" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve		738.17	23.65
23 05 23 00-0624	EA	3" Diameter Threaded, In Line (Inserted), Buna-N Sleeve Material, Polyvinyl Chloride (PVC) Body, Check Valve		951.19	37.09
23 05 23 00-0625	EA	1/2" Viton Sleeve Material, Addition		202.28	
23 05 23 00-0626	EA	3/4" Viton Sleeve Material, Addition		239.06	
23 05 23 00-0627	EA	1" Viton Sleeve Material, Addition		297.91	
23 05 23 00-0628	EA	1-1/2" Viton Sleeve Material, Addition		349.40	
23 05 23 00-0629	EA	2" Viton Sleeve Material, Addition		478.13	
23 05 23 00-0630	EA	3" Viton Sleeve Material, Addition		374.08	
23 05 23 00-0631		Check Valves *(23 05 23)*			
23 05 23 00-0632		Iron Body Wafer Type Check Valve *(23 05 23 00-0631)*			
23 05 23 00-0633		Single Disk Type *(23 05 23 00-0632)*			
23 05 23 00-0634	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		500.15	173.28
		For 150 Lb. Rating, Add	*59.54*		
		For 200 Lb. Rating, Add	*70.88*		
		For 300 Lb. Rating, Add	*85.05*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*170.91*		
23 05 23 00-0635	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		589.08	173.57
		For 150 Lb. Rating, Add	*78.00*		
		For 200 Lb. Rating, Add	*92.86*		
		For 300 Lb. Rating, Add	*111.43*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*210.68*		
23 05 23 00-0636	EA	3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		724.18	203.50
		For 150 Lb. Rating, Add	*98.60*		
		For 200 Lb. Rating, Add	*117.38*		
		For 300 Lb. Rating, Add	*140.85*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*262.21*		
23 05 23 00-0637	EA	4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		1,063.42	341.16
		For 150 Lb. Rating, Add	*133.54*		
		For 200 Lb. Rating, Add	*158.98*		
		For 300 Lb. Rating, Add	*190.77*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*371.66*		
23 05 23 00-0638	EA	6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		1,594.56	478.82
		For 150 Lb. Rating, Add	*209.17*		
		For 200 Lb. Rating, Add	*249.01*		
		For 300 Lb. Rating, Add	*298.81*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*567.92*		
23 05 23 00-0639	EA	8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		2,214.35	550.64
		For 150 Lb. Rating, Add	*320.99*		
		For 200 Lb. Rating, Add	*382.14*		
		For 300 Lb. Rating, Add	*458.56*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*825.01*		
23 05 23 00-0640	EA	10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve		3,285.44	670.34
		For 150 Lb. Rating, Add	*512.69*		
		For 200 Lb. Rating, Add	*610.35*		
		For 300 Lb. Rating, Add	*732.41*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,267.43*		
23 05 23 00-0641		Twin Disc Type *(23 05 23 00-0632)*			
23 05 23 00-0642	EA	2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valvev		695.29	173.28
		For 150 Lb. Rating, Add	*100.51*		
		For 200 Lb. Rating, Add	*119.66*		
		For 300 Lb. Rating, Add	*143.59*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*258.72*		
23 05 23 00-0643	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve		792.07	173.57
		For 150 Lb. Rating, Add	*120.63*		
		For 200 Lb. Rating, Add	*143.61*		
		For 300 Lb. Rating, Add	*172.33*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*302.02*		
23 05 23 00-0644	EA	3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve		924.90	203.50
		For 150 Lb. Rating, Add	*140.75*		
		For 200 Lb. Rating, Add	*167.56*		
		For 300 Lb. Rating, Add	*201.07*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*352.54*		
23 05 23 00-0645	EA	4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve		1,278.65	341.16
		For 150 Lb. Rating, Add	*178.74*		
		For 200 Lb. Rating, Add	*212.78*		
		For 300 Lb. Rating, Add	*255.34*		
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*468.51*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0646	EA	6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,971.00	478.82
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Add	*411.74*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*737.32*	
23 05 23 00-0647	EA	8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,780.03	550.64
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Add	*628.80*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,080.01*	
23 05 23 00-0648	EA	10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	4,157.70	658.37
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Add	*995.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,661.40*	
23 05 23 00-0649	EA	12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	5,461.76	813.98
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Add	*1,334.20*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,204.18*	
23 05 23 00-0650	EA	14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	10,320.77	957.98
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Add	*2,713.04*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,325.02*	
23 05 23 00-0651	EA	16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	14,172.30	1,124.04
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Add	*3,830.18*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*6,026.27*	
23 05 23 00-0652	EA	18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	18,895.82	1,251.77
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Add	*5,200.40*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,112.83*	
23 05 23 00-0653	EA	20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	22,486.42	1,405.05
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Add	*6,219.03*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,679.81*	
23 05 23 00-0654	EA	24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	29,400.27	1,724.38
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Add	*8,171.60*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,689.72*	

23 05 23 00-0655 Lift Check Valves *(23 05 23 00-0631)*

23 05 23 00-0656 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0655)*

Note: Watts #600 series.

23 05 23 00-0657	EA	3/8" Diameter Threaded, Bronze, Lift Check Valve	129.35	12.99
23 05 23 00-0658	EA	1/2" Diameter Threaded, Bronze, Lift Check Valve	136.87	12.99
23 05 23 00-0659	EA	3/4" Diameter Threaded, Bronze, Lift Check Valve	174.74	13.64
23 05 23 00-0660	EA	1" Diameter Threaded, Bronze, Lift Check Valve	229.78	13.64
23 05 23 00-0661	EA	1-1/4" Diameter Threaded, Bronze, Lift Check Valve	317.96	17.29
23 05 23 00-0662	EA	1-1/2" Diameter Threaded, Bronze, Lift Check Valve	386.39	20.01
23 05 23 00-0663	EA	2" Diameter Threaded, Bronze, Lift Check Valve	548.80	23.65

23 05 23 00-0664 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0655)*

Note: Crane 366E.

23 05 23 00-0665	EA	1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	785.59	12.99
23 05 23 00-0666	EA	3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	954.67	13.64
23 05 23 00-0667	EA	1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	1,710.28	13.64
23 05 23 00-0668	EA	1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,279.03	17.29
23 05 23 00-0669	EA	1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,475.88	20.01
23 05 23 00-0670	EA	2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	3,179.72	23.65

23 05 23 00-0671 Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0655)*

Note: Mueller 105MAP.

23 05 23 00-0672	EA	2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	1,159.29	173.22
23 05 23 00-0673	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,142.19	173.48
23 05 23 00-0674	EA	3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,329.78	203.40
23 05 23 00-0675	EA	4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	3,216.09	340.99
23 05 23 00-0676	EA	5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	4,044.27	366.02
23 05 23 00-0677	EA	6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	5,004.32	406.70
23 05 23 00-0678	EA	8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	8,871.13	519.67
23 05 23 00-0679	EA	10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	11,147.25	632.64
23 05 23 00-0680	EA	12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	18,188.74	768.19
23 05 23 00-0681	EA	14" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	24,840.99	1,092.38
23 05 23 00-0682	EA	16" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	27,530.63	1,201.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0683		Bronze Body Swing Check Valves *(23 05 23 00-0631)*		
23 05 23 00-0684		Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0683)*		
23 05 23 00-0685	EA	1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	88.92	12.99
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0686	EA	1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	84.84	12.99
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.35*	
23 05 23 00-0687	EA	3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	86.82	12.99
		For 300 Lb. Rating, Add	*18.33*	
		For Work In Restricted Working Space, Add	*11.95*	
23 05 23 00-0688	EA	1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	90.76	12.99
		For 300 Lb. Rating, Add	*19.05*	
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0689	EA	3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	115.67	13.64
		For 300 Lb. Rating, Add	*23.08*	
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0690	EA	1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	148.75	13.64
		For 300 Lb. Rating, Add	*31.34*	
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0691	EA	1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	199.43	17.29
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0692	EA	1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	257.93	20.01
		For 300 Lb. Rating, Add	*61.61*	
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0693	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	321.22	23.65
		For 300 Lb. Rating, Add	*79.21*	
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0694	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	626.40	31.95
		For 300 Lb. Rating, Add	*182.08*	
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0695	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	848.08	37.09
		For 300 Lb. Rating, Add	*258.96*	
		For Work In Restricted Working Space, Add	*55.22*	
23 05 23 00-0696	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	960.78	41.87
		For 300 Lb. Rating, Add	*293.05*	
		For Work In Restricted Working Space, Add	*62.81*	
23 05 23 00-0697		Bronze Body, Flanged, 125 Lb., Swing Check Valves *(23 05 23 00-0683)*		
23 05 23 00-0698	EA	2" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	480.98	173.22
		For 150 Lb. Rated Valves, Add	*116.34*	
		For 250 Lb. Rated Valves, Add	*343.73*	
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0699	EA	2-1/2" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	504.46	173.48
		For 150 Lb. Rated Valves, Add	*126.24*	
		For 250 Lb. Rated Valves, Add	*373.00*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0700	EA	3" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	612.82	203.40
		For 150 Lb. Rated Valves, Add	*157.63*	
		For 250 Lb. Rated Valves, Add	*465.74*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0701	EA	4" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	960.74	340.99
		For 150 Lb. Rated Valves, Add	*234.71*	
		For 250 Lb. Rated Valves, Add	*693.46*	
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0702	EA	5" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	1,404.53	366.02
		For 150 Lb. Rated Valves, Add	*416.99*	
		For 250 Lb. Rated Valves, Add	*1,232.01*	
		For Work In Restricted Working Space, Add	*137.05*	
23 05 23 00-0703	EA	6" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	1,552.66	406.70
		For 150 Lb. Rated Valves, Add	*458.69*	
		For 250 Lb. Rated Valves, Add	*1,355.21*	
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0704	EA	8" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	2,436.86	519.67
		For 150 Lb. Rated Valves, Add	*788.18*	
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0705	EA	10" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	3,492.47	632.64
		For 150 Lb. Rated Valves, Add	*1,188.74*	
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0706	EA	12" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	4,482.35	768.19
		For 150 Lb. Rated Valves, Add	*1,550.48*	
		For Work In Restricted Working Space, Add	*287.56*	
23 05 23 00-0707	EA	14" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	13,077.46	1,092.38
		For 150 Lb. Rated Valves, Add	*5,153.27*	
		For Work In Restricted Working Space, Add	*409.64*	
23 05 23 00-0708	EA	16" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	16,768.50	1,201.62
		For 150 Lb. Rated Valves, Add	*6,717.25*	
		For Work In Restricted Working Space, Add	*450.61*	
23 05 23 00-0709	EA	18" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	21,612.04	1,332.70
		For 150 Lb. Rated Valves, Add	*8,776.31*	
		For Work In Restricted Working Space, Add	*499.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0710	EA	20" Diameter Flanged, 125 Lb., Bronze Body, Swing Check Valve	26,851.66	1,502.02
		For 150 Lb. Rated Valves, Add	*10,988.62*	
		For Work In Restricted Working Space, Add	*563.26*	
23 05 23 00-0711		125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0631)*		
23 05 23 00-0712	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	671.29	97.45
		For 150 Lb. Rating, Add	*373.12*	
		For 250 Lb. Rating, Add	*713.31*	
		For Work In Restricted Working Space, Add	*36.78*	
23 05 23 00-0713	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	745.75	113.70
		For 150 Lb. Rating, Add	*411.07*	
		For 250 Lb. Rating, Add	*785.86*	
		For Work In Restricted Working Space, Add	*42.37*	
23 05 23 00-0714	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	826.62	136.44
		For 150 Lb. Rating, Add	*445.84*	
		For 250 Lb. Rating, Add	*852.35*	
		For Work In Restricted Working Space, Add	*51.29*	
23 05 23 00-0715	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,030.88	173.22
		For 150 Lb. Rating, Add	*553.73*	
		For 250 Lb. Rating, Add	*1,058.60*	
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-0716	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,167.90	173.48
		For 150 Lb. Rating, Add	*646.24*	
		For 250 Lb. Rating, Add	*1,235.47*	
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-0717	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,287.31	203.40
		For 150 Lb. Rating, Add	*702.27*	
		For 250 Lb. Rating, Add	*1,342.58*	
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-0718	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,023.36	340.99
		For 150 Lb. Rating, Add	*1,085.31*	
		For 250 Lb. Rating, Add	*2,074.87*	
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-0719	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,800.15	366.02
		For 150 Lb. Rating, Add	*1,593.46*	
		For 250 Lb. Rating, Add	*3,046.32*	
		For Work In Restricted Working Space, Add	*137.05*	
23 05 23 00-0720	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	3,227.16	406.70
		For 150 Lb. Rating, Add	*1,847.54*	
		For 250 Lb. Rating, Add	*3,532.06*	
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-0721	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,428.82	519.67
		For 150 Lb. Rating, Add	*4,612.63*	
		For 250 Lb. Rating, Add	*8,818.26*	
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-0722	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	10,024.28	632.64
		For 150 Lb. Rating, Add	*6,278.77*	
		For 250 Lb. Rating, Add	*12,003.54*	
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-0723	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	15,357.71	768.19
		For 150 Lb. Rating, Add	*9,791.44*	
		For 250 Lb. Rating, Add	*18,718.93*	
		For Work In Restricted Working Space, Add	*287.56*	
23 05 23 00-0724	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,667.32	1,092.38
		For 150 Lb. Rating, Add	*11,085.25*	
		For 250 Lb. Rating, Add	*21,192.39*	
		For Work In Restricted Working Space, Add	*409.64*	
23 05 23 00-0725	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	25,245.54	1,201.62
		For 150 Lb. Rating, Add	*16,145.59*	
		For 250 Lb. Rating, Add	*30,866.58*	
		For Work In Restricted Working Space, Add	*450.61*	
23 05 23 00-0726	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	38,984.02	1,332.70
		For 150 Lb. Rating, Add	*25,376.34*	
		For 250 Lb. Rating, Add	*48,513.58*	
		For Work In Restricted Working Space, Add	*499.76*	
23 05 23 00-0727	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	53,818.12	1,502.02
		For 150 Lb. Rating, Add	*35,319.60*	
		For 250 Lb. Rating, Add	*67,522.77*	
		For Work In Restricted Working Space, Add	*563.26*	
23 05 23 00-0728	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	75,017.81	1,843.39
		For 150 Lb. Rating, Add	*49,445.23*	
		For 250 Lb. Rating, Add	*94,527.64*	
		For Work In Restricted Working Space, Add	*691.27*	
23 05 23 00-0729		APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves *(23 05 23 00-0631)*		
		Note: AWWA C-509, side mounted oil cushion.		
23 05 23 00-0730	EA	6" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	28,056.35	406.70
		For Asphalt Varnish Interior, Add	*104.00*	
23 05 23 00-0731	EA	8" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	29,572.59	519.67
		For Asphalt Varnish Interior, Add	*112.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0732	EA	10" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	45,030.35	632.64
		For Asphalt Varnish Interior, Add	*160.00*	
23 05 23 00-0733	EA	12" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	53,002.66	768.19
		For Asphalt Varnish Interior, Add	*168.00*	
23 05 23 00-0734	EA	14" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	82,034.91	1,092.38
		For Asphalt Varnish Interior, Add	*184.00*	
23 05 23 00-0735	EA	16" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	103,309.27	1,201.62
		For Asphalt Varnish Interior, Add	*192.00*	
23 05 23 00-0736	EA	18" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	111,446.48	1,332.70
		For Asphalt Varnish Interior, Add	*216.00*	
23 05 23 00-0737	EA	20" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	115,724.07	1,502.02
		For Asphalt Varnish Interior, Add	*232.00*	
23 05 23 00-0738	EA	24" Diameter Flanged, 250 Lb., AWWA C-509, Iron Body, Bronze Trim, Primer Interior, Side Mounted Oil Cushion, Swing Check Valve	132,926.02	1,843.39
		For Asphalt Varnish Interior, Add	*280.00*	

23 05 23 00-0739 APCO Iron Body, Bronze Trim, Flanged, 250 Lb., Swing Check Valves *(23 05 23 00-0631)*

Note: AWWA C-509, bottom buffer oil cushion.

23 05 23 00-0740	EA	8" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	26,831.27	519.67
		For Asphalt Varnish Interior, Add	*112.00*	
23 05 23 00-0741	EA	10" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	32,883.65	632.64
		For Asphalt Varnish Interior, Add	*160.00*	
23 05 23 00-0742	EA	12" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	37,552.06	768.19
		For Asphalt Varnish Interior, Add	*168.00*	
23 05 23 00-0743	EA	14" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	60,283.37	1,092.38
		For Asphalt Varnish Interior, Add	*184.00*	
23 05 23 00-0744	EA	16" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	74,361.76	1,201.62
		For Asphalt Varnish Interior, Add	*192.00*	
23 05 23 00-0745	EA	18" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	88,406.10	1,332.70
		For Asphalt Varnish Interior, Add	*216.00*	
23 05 23 00-0746	EA	20" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	102,927.85	1,502.02
		For Asphalt Varnish Interior, Add	*232.00*	
23 05 23 00-0747	EA	24" Diameter Flanged, 250 Lb., Iron Body, Bronze Trim, AWWA C-509, Primer Interior, Bottom Buffer Oil Cushion, Swing Check Valve	127,300.18	1,843.39
		For Asphalt Varnish Interior, Add	*280.00*	

23 05 23 00-0748 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0631)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0749	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	204.69	12.99
		For Work In Restricted Working Space, Add	*12.58*	
23 05 23 00-0750	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	241.30	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0751	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	285.42	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0752	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	441.56	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0753	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	523.85	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0754	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	708.18	23.65
		For Work In Restricted Working Space, Add	*35.44*	

23 05 23 00-0755 Plastic Check Valve *(23 05 23 00-0631)*

23 05 23 00-0756 Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0755)*

23 05 23 00-0757 Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0756)*

23 05 23 00-0758	EA	1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	99.94	12.99
23 05 23 00-0759	EA	3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	118.79	14.30
23 05 23 00-0760	EA	1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	136.77	16.24
23 05 23 00-0761	EA	1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	194.12	17.29
23 05 23 00-0762	EA	1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	216.41	20.01
23 05 23 00-0763	EA	2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	362.85	21.77
23 05 23 00-0764	EA	2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	447.17	31.95
23 05 23 00-0765	EA	3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	490.62	37.09
23 05 23 00-0766	EA	4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	711.00	41.87
23 05 23 00-0767	EA	3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	684.52	203.40

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0768			Polyvinyl Chloride (PVC) True Union Ball Check Valve *(23 05 23 00-0756)*		
23 05 23 00-0769			Valves *(23 05 23 00-0768)*		
	23 05 23 00-0770	EA	1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	76.75	12.99
	23 05 23 00-0771	EA	3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	96.30	14.30
	23 05 23 00-0772	EA	1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	118.15	16.24
	23 05 23 00-0773	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	152.98	17.29
	23 05 23 00-0774	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	179.58	20.01
	23 05 23 00-0775	EA	2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	262.45	23.65
	23 05 23 00-0776	EA	3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	426.60	31.95
	23 05 23 00-0777	EA	4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	719.86	37.09
23 05 23 00-0778			Foot Valve Screen *(23 05 23 00-0768)*		
			Note: For use with PVC true union ball check valves above.		
	23 05 23 00-0779	EA	1/2" Diameter, Foot Valve Screen Option	61.97	
	23 05 23 00-0780	EA	3/4" Diameter, Foot Valve Screen Option	74.11	
	23 05 23 00-0781	EA	1" Diameter, Foot Valve Screen Option	85.88	
	23 05 23 00-0782	EA	1-1/4" Diameter, Foot Valve Screen Option	129.65	
	23 05 23 00-0783	EA	1-1/2" Diameter, Foot Valve Screen Option	143.44	
	23 05 23 00-0784	EA	2" Diameter, Foot Valve Screen Option	155.21	
	23 05 23 00-0785	EA	2-1/2" Diameter, Foot Valve Screen Option	185.18	
	23 05 23 00-0786	EA	3" Diameter, Foot Valve Screen Option	215.16	
	23 05 23 00-0787	EA	4" Diameter, Foot Valve Screen Option	261.13	
23 05 23 00-0788			Hayward "True Check" With VITON Seals *(23 05 23 00-0768)*		
	23 05 23 00-0789	EA	1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	69.36	12.99
	23 05 23 00-0790	EA	3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	71.34	12.99
	23 05 23 00-0791	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	77.58	12.99
	23 05 23 00-0792	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	96.22	14.30
	23 05 23 00-0793	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	119.32	16.24
	23 05 23 00-0794	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	152.90	17.29
	23 05 23 00-0795	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	184.56	20.01
	23 05 23 00-0796	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	230.93	23.65
	23 05 23 00-0797	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	421.62	31.95
	23 05 23 00-0798	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	462.75	37.09
	23 05 23 00-0799	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	724.44	41.87
23 05 23 00-0800			Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0768)*		
	23 05 23 00-0801	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	73.44	12.99
	23 05 23 00-0802	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	92.15	14.30
	23 05 23 00-0803	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	113.68	16.24
	23 05 23 00-0804	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	146.76	17.29
	23 05 23 00-0805	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	173.28	20.01
	23 05 23 00-0806	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	220.98	23.65
	23 05 23 00-0807	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	406.69	31.95
	23 05 23 00-0808	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	450.31	37.09
	23 05 23 00-0809	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	705.36	41.87
23 05 23 00-0810			Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged *(23 05 23 00-0756)*		
	23 05 23 00-0811	EA	1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	355.57	77.97
	23 05 23 00-0812	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	387.83	90.95
	23 05 23 00-0813	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	427.27	113.70
	23 05 23 00-0814	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	521.57	142.93
	23 05 23 00-0815	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	625.51	143.65
	23 05 23 00-0816	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	851.54	167.58
	23 05 23 00-0817	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,181.72	284.29
	23 05 23 00-0818	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,943.38	478.82
23 05 23 00-0819			Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections *(23 05 23 00-0755)*		
	23 05 23 00-0820	EA	1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	68.44	12.99
			For Work In Restricted Working Space, Add	*12.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0821	EA	3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	83.01	14.30
		For Work In Restricted Working Space, Add	*16.95*	
23 05 23 00-0822	EA	1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	95.96	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-0823	EA	1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	115.34	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-0824	EA	1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	130.33	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-0825	EA	2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	165.35	23.65
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-0826	EA	2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	226.75	31.95
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-0827	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	271.30	37.09
		For Work In Restricted Working Space, Add	*55.22*	

23 05 23 00-0828 Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0755)*

23 05 23 00-0829 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0828)*

23 05 23 00-0830	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	676.46	167.50
		For Work In Restricted Working Space, Add	*64.10*	
23 05 23 00-0831	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	869.45	284.15
		For Work In Restricted Working Space, Add	*105.57*	
23 05 23 00-0832	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,375.85	338.91
		For Work In Restricted Working Space, Add	*139.55*	
23 05 23 00-0833	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,829.02	429.28
		For Work In Restricted Working Space, Add	*158.16*	

23 05 23 00-0834 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0828)*

23 05 23 00-0835	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	795.89	167.50
		For Work In Restricted Working Space, Add	*64.10*	
23 05 23 00-0836	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,133.19	284.15
		For Work In Restricted Working Space, Add	*105.57*	
23 05 23 00-0837	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,625.67	338.91
		For Work In Restricted Working Space, Add	*139.55*	
23 05 23 00-0838	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,127.60	429.28
		For Work In Restricted Working Space, Add	*158.16*	

23 05 23 00-0839 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0828)*

23 05 23 00-0840	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	827.41	167.50
		For Work In Restricted Working Space, Add	*64.10*	
23 05 23 00-0841	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,135.68	284.15
		For Work In Restricted Working Space, Add	*105.57*	
23 05 23 00-0842	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,515.19	338.91
		For Work In Restricted Working Space, Add	*139.55*	
23 05 23 00-0843	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,943.81	429.28
		For Work In Restricted Working Space, Add	*158.16*	

23 05 23 00-0844 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0828)*

23 05 23 00-0845	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	926.93	167.50
		For Work In Restricted Working Space, Add	*64.10*	
23 05 23 00-0846	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,280.83	284.15
		For Work In Restricted Working Space, Add	*105.57*	
23 05 23 00-0847	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,722.54	338.91
		For Work In Restricted Working Space, Add	*139.55*	
23 05 23 00-0848	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,192.63	429.28
		For Work In Restricted Working Space, Add	*158.16*	

23 05 23 00-0849 Diaphragm Valves *(23 05 23)*

23 05 23 00-0850 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0849)*

23 05 23 00-0851	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	303.67	38.88
23 05 23 00-0852	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	389.41	43.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0853	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	422.12	53.25
23 05 23 00-0854	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	670.22	79.57
23 05 23 00-0855	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,079.79	95.71
23 05 23 00-0856		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0849)*		
23 05 23 00-0857	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	484.86	62.37
23 05 23 00-0858	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	568.73	64.97
23 05 23 00-0859	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	664.98	97.45
23 05 23 00-0860	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,014.65	136.44
23 05 23 00-0861	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,645.71	173.22
23 05 23 00-0862	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,135.30	173.48
23 05 23 00-0863	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,660.84	203.40
23 05 23 00-0864	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,730.57	340.99
23 05 23 00-0865	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	7,910.69	406.70
23 05 23 00-0866	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,380.92	519.67
23 05 23 00-0867		Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0849)*		
23 05 23 00-0868	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	186.04	38.88
23 05 23 00-0869	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	243.91	43.07
23 05 23 00-0870	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	276.62	53.25
23 05 23 00-0871	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	472.09	79.57
23 05 23 00-0872	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	618.55	95.71
23 05 23 00-0873		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0849)*		
23 05 23 00-0874	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	314.72	62.37
23 05 23 00-0875	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	366.46	64.97
23 05 23 00-0876	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	462.67	97.45
23 05 23 00-0877	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	739.18	136.44
23 05 23 00-0878	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,004.30	173.22
23 05 23 00-0879	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,244.57	173.48
23 05 23 00-0880	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,520.13	203.40
23 05 23 00-0881	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,385.93	340.99
23 05 23 00-0882	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	4,898.20	406.70
23 05 23 00-0883	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,602.85	519.67
23 05 23 00-0884		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0849)*		
23 05 23 00-0885	EA	1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	604.04	97.45
23 05 23 00-0886	EA	1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	992.27	136.44
23 05 23 00-0887	EA	2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,342.30	173.22
23 05 23 00-0888	EA	2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,973.37	173.48
23 05 23 00-0889	EA	3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,173.22	203.40
23 05 23 00-0890	EA	4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,393.81	340.99
23 05 23 00-0891	EA	6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	6,952.93	406.70
23 05 23 00-0892	EA	8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,677.91	519.67

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0893		Plastic Diaphragm Valves *(23 05 23 00-0849)*		
23 05 23 00-0894		Polyvinyl Chloride (PVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0893)*		
23 05 23 00-0895	EA	1/2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	198.79	38.88
23 05 23 00-0896	EA	3/4" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	222.07	42.95
23 05 23 00-0897	EA	1" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	280.54	53.25
23 05 23 00-0898	EA	1-1/4" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	404.66	68.80
23 05 23 00-0899	EA	1-1/2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	428.17	79.68
23 05 23 00-0900	EA	2" Diameter True Union Socket Connections, Polyvinyl Chloride (PVC), Diaphragm Valve (George Fisher Type 314)	503.22	95.71
23 05 23 00-0901		Chlorinated Polyvinyl Chloride (CPVC), True Union Socket Connections, Diaphragm Valves *(23 05 23 00-0893)*		
23 05 23 00-0902	EA	1/2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	275.10	38.88
23 05 23 00-0903	EA	3/4" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	300.04	42.95
23 05 23 00-0904	EA	1" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	381.73	53.25
23 05 23 00-0905	EA	1-1/4" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	494.23	68.80
23 05 23 00-0906	EA	1-1/2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	554.23	79.68
23 05 23 00-0907	EA	2" Diameter True Union Socket Connections, Chlorinated Polyvinyl Chloride (CPVC), Diaphragm Valve (George Fisher Type 315)	606.07	95.71
23 05 23 00-0908		Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0893)*		
23 05 23 00-0909		Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0908)*		
23 05 23 00-0910	EA	1/2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	142.20	38.88
23 05 23 00-0911	EA	3/4" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	159.13	43.07
23 05 23 00-0912	EA	1" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	197.75	53.25
23 05 23 00-0913	EA	1-1/4" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.96	68.80
23 05 23 00-0914	EA	1-1/2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	298.49	79.57
23 05 23 00-0915	EA	2" Diameter Threaded, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	356.60	95.71
23 05 23 00-0916		Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0908)*		
23 05 23 00-0917	EA	1/2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	142.20	38.88
23 05 23 00-0918	EA	3/4" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	159.13	43.07
23 05 23 00-0919	EA	1" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	198.05	53.25
23 05 23 00-0920	EA	1-1/4" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	276.96	68.80
23 05 23 00-0921	EA	1-1/2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	298.49	79.57
23 05 23 00-0922	EA	2" Diameter Socket, Viton Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	356.60	95.71
23 05 23 00-0923		Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0893)*		
23 05 23 00-0924		Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0923)*		
23 05 23 00-0925	EA	1/2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	129.29	38.88
23 05 23 00-0926	EA	3/4" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	144.16	43.07
23 05 23 00-0927	EA	1" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	179.47	53.25
23 05 23 00-0928	EA	1-1/4" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	249.09	68.80
23 05 23 00-0929	EA	1-1/2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.62	79.57
23 05 23 00-0930	EA	2" Diameter Threaded, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	323.58	95.71
23 05 23 00-0931		Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0923)*		
23 05 23 00-0932	EA	1/2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	129.29	38.88
23 05 23 00-0933	EA	3/4" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	144.16	43.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0934	EA	1" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	179.47	53.25
23 05 23 00-0935	EA	1-1/4" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	249.09	68.80
23 05 23 00-0936	EA	1-1/2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	270.62	79.57
23 05 23 00-0937	EA	2" Diameter Socket, Ethylene Propylene Diene Monomer (EPDM) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	323.58	95.71
23 05 23 00-0938		Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0893)*		
23 05 23 00-0939		Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0938)*		
23 05 23 00-0940	EA	1/2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	161.51	38.88
23 05 23 00-0941	EA	3/4" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	175.23	43.07
23 05 23 00-0942	EA	1" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	237.61	53.25
23 05 23 00-0943	EA	1-1/4" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	316.21	68.80
23 05 23 00-0944	EA	1-1/2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.74	79.57
23 05 23 00-0945	EA	2" Diameter Threaded, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	409.27	95.71
23 05 23 00-0946		Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valves *(23 05 23 00-0938)*		
23 05 23 00-0947	EA	1/2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	161.51	38.88
23 05 23 00-0948	EA	3/4" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	175.23	43.07
23 05 23 00-0949	EA	1" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	237.61	53.25
23 05 23 00-0950	EA	1-1/4" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	316.18	68.80
23 05 23 00-0951	EA	1-1/2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	337.74	79.57
23 05 23 00-0952	EA	2" Diameter Socket, Polytetrafluoroethylene (PTFE) Diaphragm, Polyvinyl Chloride (PVC) Diaphragm Valve	409.27	95.71
23 05 23 00-0953		Pinch Valves *(23 05 23)*		
23 05 23 00-0954		Open Cast Iron Body Pinch Valves, Manually Operated *(23 05 23 00-0953)*		
23 05 23 00-0955	EA	4" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	2,974.28	340.99
		For Viton Sleeve Material, Add	*287.00*	
		For Epoxy Coated, Add	*50.00*	
23 05 23 00-0956	EA	8" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	7,718.76	519.67
		For Viton Sleeve Material, Add	*487.00*	
		For Epoxy Coated, Add	*138.00*	
23 05 23 00-0957	EA	12" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	12,384.10	768.19
		For Viton Sleeve Material, Add	*673.00*	
		For Epoxy Coated, Add	*223.00*	
23 05 23 00-0958	EA	20" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	40,110.80	1,242.67
		For Viton Sleeve Material, Add	*1,141.00*	
		For Epoxy Coated, Add	*753.00*	
23 05 23 00-0959	EA	24" Diameter Flanged, Open Cast Iron Body, Buna-N Sleeve, Pinch Valve	46,800.57	1,525.10
		For Viton Sleeve Material, Add	*1,287.00*	
		For Epoxy Coated, Add	*877.00*	
23 05 23 00-0960		Closed Cast Iron Body Pinch Valves, Manually Operated *(23 05 23 00-0953)*		
23 05 23 00-0961	EA	4" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	3,838.61	340.99
		For Viton Sleeve Material, Add	*287.00*	
		For Epoxy Coated, Add	*67.00*	
23 05 23 00-0962	EA	8" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	8,874.61	519.67
		For Viton Sleeve Material, Add	*487.00*	
		For Epoxy Coated, Add	*160.00*	
23 05 23 00-0963	EA	12" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	16,542.11	768.19
		For Viton Sleeve Material, Add	*673.00*	
		For Epoxy Coated, Add	*304.00*	
23 05 23 00-0964	EA	16" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	33,045.38	994.14
		For Viton Sleeve Material, Add	*849.00*	
		For Epoxy Coated, Add	*615.00*	
23 05 23 00-0965	EA	20" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	56,599.63	1,242.67
		For Viton Sleeve Material, Add	*1,141.00*	
		For Epoxy Coated, Add	*1,076.00*	
23 05 23 00-0966	EA	24" Diameter Flanged, Closed Cast Iron Body, Buna-N Sleeve, Pinch Valve	70,122.24	1,525.10
		For Viton Sleeve Material, Add	*1,287.00*	
		For Epoxy Coated, Add	*1,333.00*	
23 05 23 00-0967		Closed Aluminum Body Pinch Valves, Manually Operated *(23 05 23 00-0953)*		
23 05 23 00-0968	EA	4" Diameter Flanged, Closed Aluminum Body, Buna-N Sleeve, Pinch Valve	4,759.21	340.99
		For Viton Sleeve Material, Add	*287.00*	
23 05 23 00-0969	EA	8" Diameter Flanged, Closed Aluminum Body, Buna-N Sleeve, Pinch Valve	11,866.53	519.67
		For Viton Sleeve Material, Add	*487.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0970	EA	12" Diameter Flanged, Closed Aluminum Body, Buna-N Sleeve, Pinch Valve	20,408.59	768.19
		For Viton Sleeve Material, Add	*673.00*	
23 05 23 00-0971		**Solenoid Valves** *(23 05 23)*		
23 05 23 00-0972		**Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure** *(23 05 23 00-0971)*		
23 05 23 00-0973	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	144.60	12.99
23 05 23 00-0974	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	167.80	12.99
23 05 23 00-0975	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	214.80	14.30
23 05 23 00-0976	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	316.34	16.24
23 05 23 00-0977	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	557.71	20.01
23 05 23 00-0978	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	872.84	23.65
23 05 23 00-0979	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,188.82	31.95
23 05 23 00-0980	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,724.04	37.09
23 05 23 00-0981		**Polyvinyl Chloride (PVC) Body Solenoid Valves** *(23 05 23 00-0971)*		
23 05 23 00-0982	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Viton Seals	222.60	12.99
23 05 23 00-0983	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Viton Seals	302.21	14.30
23 05 23 00-0984	EA	1" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Viton Seals	336.82	16.24
23 05 23 00-0985	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	218.47	12.99
23 05 23 00-0986	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	296.02	14.30
23 05 23 00-0987	EA	1" Diameter, Polyvinyl Chloride (PVC) Solenoid Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	329.60	16.24
23 05 23 00-0988		**Flow Control Valves And Meters** *(23 05 23)*		
23 05 23 00-0989		**Conditioned Water Balancing Valves** *(23 05 23 00-0988)* Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0990	EA	1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	186.14	66.30
23 05 23 00-0991	EA	3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	223.37	88.39
23 05 23 00-0992	EA	1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,429.45	101.00
23 05 23 00-0993	EA	1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,539.50	124.79
23 05 23 00-0994	EA	1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,648.36	132.59
23 05 23 00-0995	EA	2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,763.52	151.57
23 05 23 00-0996	EA	2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,131.75	263.83
23 05 23 00-0997	EA	3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,020.63	301.53
23 05 23 00-0998	EA	3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,385.93	203.50
23 05 23 00-0999	EA	4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,687.82	341.16
23 05 23 00-1000	EA	6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,332.52	430.93
23 05 23 00-1001	EA	8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,900.17	550.64
23 05 23 00-1002	EA	10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,161.93	670.34
23 05 23 00-1003		**Read Out Meters** *(23 05 23 00-0988)* Note: For use with conditioned portable water balancing valves.		
23 05 23 00-1004	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-1005	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-1006	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-1007	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-1008		**Balancing Valves** *(23 05 23)*		
23 05 23 00-1009		**Balancing Valves With Lever** *(23 05 23 00-1008)* Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-1010	EA	1/2" Diameter Threaded, Balancing Valve With Lever	440.27	40.94
23 05 23 00-1011	EA	3/4" Diameter Threaded, Balancing Valve With Lever	476.56	53.95
23 05 23 00-1012	EA	1" Diameter Threaded, Balancing Valve With Lever	676.91	61.75
23 05 23 00-1013	EA	1-1/4" Diameter Threaded, Balancing Valve With Lever	727.69	76.69
23 05 23 00-1014	EA	1-1/2" Diameter Threaded, Balancing Valve With Lever	764.09	81.24
23 05 23 00-1015	EA	2" Diameter Threaded, Balancing Valve With Lever	938.97	92.94
23 05 23 00-1016	EA	2-1/2" Diameter Flanged, Balancing Valve With Lever	1,261.51	173.57
23 05 23 00-1017	EA	3" Diameter Flanged, Balancing Valve With Lever	1,264.14	203.50
23 05 23 00-1018	EA	4" Diameter Flanged, Balancing Valve With Lever	1,574.64	341.16
23 05 23 00-1019	EA	5" Diameter Flanged, Balancing Valve With Lever	4,734.75	387.84
23 05 23 00-1020	EA	6" Diameter Flanged, Balancing Valve With Lever	2,318.63	430.93
23 05 23 00-1021	EA	8" Diameter Flanged, Balancing Valve With Lever	3,068.74	550.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1022		**Balancing Valves With Nut** *(23 05 23 00-1008)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-1023	EA	4" Diameter Flanged, Balancing Valve With Nut	1,574.64	341.16
23 05 23 00-1024	EA	5" Diameter Flanged, Balancing Valve With Nut	4,734.75	387.84
23 05 23 00-1025	EA	6" Diameter Flanged, Balancing Valve With Nut	2,318.63	430.93
23 05 23 00-1026	EA	8" Diameter Flanged, Balancing Valve With Nut	3,068.74	550.64
23 05 23 00-1027		**Balancing Valves With Hand Wheel** *(23 05 23 00-1008)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-1028	EA	4" Diameter Flanged, Balancing Valve With Hand Wheel	2,154.57	341.16
23 05 23 00-1029	EA	5" Diameter Flanged, Balancing Valve With Hand Wheel	5,347.82	387.84
23 05 23 00-1030	EA	6" Diameter Flanged, Balancing Valve With Hand Wheel	2,932.97	430.93
23 05 23 00-1031	EA	8" Diameter Flanged, Balancing Valve With Hand Wheel	4,158.50	550.64
23 05 23 00-1032	EA	10" Diameter Flanged, Balancing Valve With Hand Wheel	6,411.63	670.34
23 05 23 00-1033	EA	12" Diameter Flanged, Balancing Valve With Hand Wheel	8,396.03	541.96
23 05 23 00-1034	EA	14" Diameter Flanged, Balancing Valve With Hand Wheel	10,987.01	1,021.85
23 05 23 00-1035		**Balancing Valves With Chain Wheel** *(23 05 23 00-1008)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-1036	EA	4" Diameter Flanged, Balancing Valve With Chain Wheel	2,487.23	341.16
23 05 23 00-1037	EA	5" Diameter Flanged, Balancing Valve With Chain Wheel	5,675.38	387.84
23 05 23 00-1038	EA	6" Diameter Flanged, Balancing Valve With Chain Wheel	3,259.26	430.93
23 05 23 00-1039	EA	8" Diameter Flanged, Balancing Valve With Chain Wheel	4,559.99	550.64
23 05 23 00-1040	EA	10" Diameter Flanged, Balancing Valve With Chain Wheel	6,801.65	670.34
23 05 23 00-1041	EA	12" Diameter Flanged, Balancing Valve With Chain Wheel	9,124.14	541.58
23 05 23 00-1042	EA	14" Diameter Flanged, Balancing Valve With Chain Wheel	11,645.96	1,021.85
23 05 23 00-1043		**Calibrated Balancing Valves** *(23 05 23 00-1008)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-1044	EA	1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S)	152.30	12.99
23 05 23 00-1045	EA	3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S)	179.27	14.30
23 05 23 00-1046	EA	1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S)	202.98	16.24
23 05 23 00-1047	EA	1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S)	283.41	17.29
23 05 23 00-1048	EA	1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S)	332.60	20.02
23 05 23 00-1049	EA	2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S)	445.52	23.66
23 05 23 00-1050	EA	1" Diameter Threaded, Calibrated Balancing Valve (CB-1)	232.63	16.24
23 05 23 00-1051	EA	1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4)	316.63	17.29
23 05 23 00-1052	EA	1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2)	354.64	20.02
23 05 23 00-1053	EA	2" Diameter Threaded, Calibrated Balancing Valve (CB-2)	476.49	23.66
23 05 23 00-1054	EA	2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2)	671.48	34.70
23 05 23 00-1055	EA	3" Diameter Threaded, Calibrated Balancing Valve (CB-3)	1,165.22	40.30
23 05 23 00-1056	EA	2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F)	1,102.20	188.49
23 05 23 00-1057	EA	3" Diameter Flanged, Calibrated Balancing Valve (CB-3F)	1,907.76	220.98
23 05 23 00-1058	EA	4" Diameter Flanged, Calibrated Balancing Valve (CB-4F)	2,866.02	370.46
23 05 23 00-1059	EA	5" Diameter Flanged, Calibrated Balancing Valve (CB-5F)	3,948.50	421.16
23 05 23 00-1060	EA	6" Diameter Flanged, Calibrated Balancing Valve (CB-6F)	4,997.40	467.96
23 05 23 00-1061	EA	8" Diameter Flanged, Calibrated Balancing Valve (CB-8F)	7,901.42	597.95
23 05 23 00-1062	EA	10" Diameter Flanged, Calibrated Balancing Valve (CB-10F)	12,950.68	715.29
23 05 23 00-1063	EA	12" Diameter Flanged, Calibrated Balancing Valve (CB-12F)	27,318.91	868.58
23 05 23 00-1064	EA	4" Diameter Grooved, Calibrated Balancing Valve (CB-4G)	3,263.59	44.75
23 05 23 00-1065	EA	5" Diameter Grooved, Calibrated Balancing Valve (CB-5G)	3,785.92	57.62
23 05 23 00-1066	EA	6" Diameter Grooved, Calibrated Balancing Valve (CB-6G)	5,011.02	73.88
23 05 23 00-1067	EA	8" Diameter Grooved, Calibrated Balancing Valve (CB-8G)	9,396.05	93.77
23 05 23 00-1068	EA	10" Diameter Grooved, Calibrated Balancing Valve (CB-10G)	14,993.95	105.06
23 05 23 00-1069	EA	12" Diameter Grooved, Calibrated Balancing Valve (CB-12G)	30,907.51	128.11
23 05 23 00-1070		**Butterfly Valves** *(23 05 23)*		
23 05 23 00-1071		**Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-1070)*		
		Note: With on-off handle		
23 05 23 00-1072	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	533.25	173.22
		For 200 PSI, Add	*152.01*	
		For Work In Restricted Working Space, Add	*64.97*	
		For Lug Type, Add	*47.50*	
23 05 23 00-1073	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	552.64	173.48
		For 200 PSI, Add	*160.85*	
		For Work In Restricted Working Space, Add	*65.26*	
		For Lug Type, Add	*50.27*	
23 05 23 00-1074	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	615.43	203.40
		For 200 PSI, Add	*173.22*	
		For Work In Restricted Working Space, Add	*76.37*	
		For Lug Type, Add	*54.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1075	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	880.24	340.99
		For 200 PSI, Add	*217.41*	
		For Work In Restricted Working Space, Add	*128.19*	
		For Lug Type, Add	*67.94*	
23 05 23 00-1076	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,154.60	406.70
		For 200 PSI, Add	*309.32*	
		For Work In Restricted Working Space, Add	*153.06*	
		For Lug Type, Add	*96.66*	
23 05 23 00-1077	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,352.88	451.88
		For 200 PSI, Add	*378.25*	
		For Work In Restricted Working Space, Add	*169.46*	
		For Lug Type, Add	*118.20*	
23 05 23 00-1078	EA	8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,831.26	519.67
		For 200 PSI, Add	*569.15*	
		For Work In Restricted Working Space, Add	*193.66*	
		For Lug Type, Add	*177.86*	
23 05 23 00-1079	EA	10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,088.59	632.64
		For 200 PSI, Add	*1,102.94*	
		For Work In Restricted Working Space, Add	*237.24*	
		For Lug Type, Add	*344.67*	
23 05 23 00-1080	EA	12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,886.01	768.19
		For 200 PSI, Add	*1,405.19*	
		For Work In Restricted Working Space, Add	*287.56*	
		For Lug Type, Add	*439.12*	

23 05 23 00-1081 Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-1070)*

23 05 23 00-1082	EA	2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,085.61	173.22
		For Work In Restricted Working Space, Add	*64.97*	
23 05 23 00-1083	EA	2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,093.94	173.48
		For Work In Restricted Working Space, Add	*65.26*	
23 05 23 00-1084	EA	3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,175.15	203.40
		For Work In Restricted Working Space, Add	*76.37*	
23 05 23 00-1085	EA	4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,465.74	340.99
		For Work In Restricted Working Space, Add	*128.19*	
23 05 23 00-1086	EA	5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,802.70	406.70
		For Work In Restricted Working Space, Add	*153.06*	
23 05 23 00-1087	EA	6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,997.09	451.88
		For Work In Restricted Working Space, Add	*169.46*	
23 05 23 00-1088	EA	8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,501.45	519.67
		For Work In Restricted Working Space, Add	*193.66*	
23 05 23 00-1089	EA	10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	3,188.01	632.64
		For Work In Restricted Working Space, Add	*237.24*	
23 05 23 00-1090	EA	12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	4,442.05	768.19
		For Work In Restricted Working Space, Add	*287.56*	

23 05 23 00-1091 Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-1070)*

23 05 23 00-1092	EA	14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	7,583.97	1,024.11
		For 200 PSI, Add	*2,238.66*	
		For Work In Restricted Working Space, Add	*409.64*	
23 05 23 00-1093	EA	16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	9,856.48	1,201.62
		For 200 PSI, Add	*3,007.61*	
		For Work In Restricted Working Space, Add	*450.61*	
23 05 23 00-1094	EA	18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	14,081.57	1,338.17
		For 200 PSI, Add	*4,468.55*	
		For Work In Restricted Working Space, Add	*500.68*	
23 05 23 00-1095	EA	20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	18,294.75	1,502.02
		For 200 PSI, Add	*5,910.20*	
		For Work In Restricted Working Space, Add	*563.26*	
23 05 23 00-1096	EA	24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	24,727.22	1,843.39
		For 200 PSI, Add	*8,069.91*	
		For Work In Restricted Working Space, Add	*693.24*	
23 05 23 00-1097	EA	30" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	51,827.83	2,914.35
		For 200 PSI, Add	*17,322.71*	
		For Work In Restricted Working Space, Add	*1,112.75*	
23 05 23 00-1098	EA	36" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	65,774.44	3,974.12
		For 200 PSI, Add	*22,009.67*	
		For Work In Restricted Working Space, Add	*1,390.94*	
23 05 23 00-1099	EA	42" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	78,488.75	5,828.71
		For 200 PSI, Add	*25,688.06*	
		For Work In Restricted Working Space, Add	*2,139.91*	
23 05 23 00-1100	EA	48" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	94,868.84	7,285.89
		For 200 PSI, Add	*30,814.52*	
		For Work In Restricted Working Space, Add	*2,781.89*	
23 05 23 00-1101	EA	54" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	114,237.19	8,743.06
		For 200 PSI, Add	*36,952.56*	
		For Work In Restricted Working Space, Add	*3,477.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1102		Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, 175 Lb. *(23 05 23 00-1070)*		
		Note: (Milwaukee Valve Company BB-SC 100)		
23 05 23 00-1103	EA	1" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	547.77	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-1104	EA	1-1/4" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	596.31	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-1105	EA	1-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	748.19	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-1106	EA	2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	938.41	23.65
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-1107	EA	2-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close, Butterfly Valve	1,259.32	31.95
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-1108		Bronze Body, Stainless Steel Disc, Slow Close Butterfly Valves, With Tamper Switch, 175 Lb. *(23 05 23 00-1070)*		
		Note: (Milwaukee Valve Company BB-S02)		
23 05 23 00-1109	EA	1" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	826.85	16.24
		For Work In Restricted Working Space, Add	*20.52*	
23 05 23 00-1110	EA	1-1/4" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	893.34	17.29
		For Work In Restricted Working Space, Add	*25.99*	
23 05 23 00-1111	EA	1-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,068.94	20.01
		For Work In Restricted Working Space, Add	*29.99*	
23 05 23 00-1112	EA	2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,280.05	23.65
		For Work In Restricted Working Space, Add	*35.44*	
23 05 23 00-1113	EA	2-1/2" Diameter Threaded, 175 Lb., Bronze Body, Stainless Steel Disc, Slow Close With Tamper Switch, Butterfly Valve	1,637.12	31.95
		For Work In Restricted Working Space, Add	*47.86*	
23 05 23 00-1114		Plastic Butterfly Valves *(23 05 23 00-1070)*		
23 05 23 00-1115		Polyvinyl Chloride (PVC) Butterfly Valves, With Operator *(23 05 23 00-1114)*		
23 05 23 00-1116		Polyvinyl Chloride (PVC) Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-1115)*		
23 05 23 00-1117	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	252.67	113.70
23 05 23 00-1118	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	291.90	142.93
23 05 23 00-1119	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	336.43	167.50
23 05 23 00-1120	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	494.28	284.15
23 05 23 00-1121	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	679.78	338.91
23 05 23 00-1122	EA	8" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	909.98	429.28
23 05 23 00-1123	EA	10" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,419.41	508.36
23 05 23 00-1124	EA	12" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,842.17	621.33
23 05 23 00-1125		Polyvinyl Chloride (PVC) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1115)*		
23 05 23 00-1126	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	373.39	113.70
23 05 23 00-1127	EA	2" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	412.62	142.93
23 05 23 00-1128	EA	3" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	479.85	167.50
23 05 23 00-1129	EA	4" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	674.85	284.15
23 05 23 00-1130	EA	6" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	994.47	338.91
23 05 23 00-1131	EA	8" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	1,421.74	429.28
23 05 23 00-1132	EA	10" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	2,595.63	508.36
23 05 23 00-1133	EA	12" Diameter, Polyvinyl Chloride (PVC) With Viton Liner And Seals, Butterfly Valve	3,442.45	621.33
23 05 23 00-1134		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, With Operator *(23 05 23 00-1114)*		
23 05 23 00-1135		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 05 23 00-1134)*		
23 05 23 00-1136	EA	2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	302.42	142.93
23 05 23 00-1137	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	310.24	143.58
23 05 23 00-1138	EA	3" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	343.91	167.50
23 05 23 00-1139	EA	4" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	492.70	284.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-1140	EA	6" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	673.61	338.91
23 05 23 00-1141	EA	8" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	995.58	429.28
23 05 23 00-1142	EA	10" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,550.68	508.36
23 05 23 00-1143	EA	12" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Butterfly Valve	1,989.37	621.33
23 05 23 00-1144		Polyvinyl Chloride (PVC)/Polypropylene Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1134)*		
23 05 23 00-1145	EA	2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	359.65	59.12
23 05 23 00-1146	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	395.04	71.47
23 05 23 00-1147	EA	3" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	415.83	79.68
23 05 23 00-1148	EA	4" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	486.04	92.01
23 05 23 00-1149	EA	6" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	780.28	149.56
23 05 23 00-1150	EA	8" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	1,654.55	239.29
23 05 23 00-1151	EA	10" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	2,445.16	265.61
23 05 23 00-1152	EA	12" Diameter, Polyvinyl Chloride (PVC)/Polypropylene With Viton Liner And Seals, Butterfly Valve	3,414.97	299.11
23 05 23 00-1153		Polyvinylidene Fluoride (PVDF) Butterfly Valves, With Operator *(23 05 23 00-1114)*		
23 05 23 00-1154		Polyvinylidene Fluoride (PVDF) Butterfly Valves, Viton Liner And Seals *(23 05 23 00-1153)*		
23 05 23 00-1155	EA	2" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	969.96	142.93
23 05 23 00-1156	EA	2-1/2" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	1,006.64	143.58
23 05 23 00-1157	EA	3" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	1,100.44	167.50
23 05 23 00-1158	EA	4" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	1,556.09	284.15
23 05 23 00-1159	EA	6" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	2,759.90	338.91
23 05 23 00-1160	EA	8" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	5,332.46	429.28
23 05 23 00-1161	EA	10" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	7,913.06	508.36
23 05 23 00-1162	EA	12" Diameter, Polyvinylidene Fluoride (PVDF) With Viton Liner And Seals, Butterfly Valve	9,858.53	621.33

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	23.31	10.77
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	25.70	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	27.02	11.97
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	28.00	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	28.23	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	29.39	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	31.91	13.64
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	33.87	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0012	EA	3-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	35.52	15.77
		For Work In Restricted Working Space, Add	*9.01*	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	38.80	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	49.61	20.04
		For Work In Restricted Working Space, Add	*12.02*	
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	59.63	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	79.31	29.92
		For Work In Restricted Working Space, Add	*17.95*	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	114.49	40.68
		For Work In Restricted Working Space, Add	*23.93*	
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	133.49	44.86
		For Work In Restricted Working Space, Add	*26.92*	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	164.52	50.25
		For Work In Restricted Working Space, Add	*30.87*	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	203.31	59.82
		For Work In Restricted Working Space, Add	*35.90*	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	253.48	74.78
		For Work In Restricted Working Space, Add	*44.87*	
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	397.83	89.74
		For Work In Restricted Working Space, Add	*53.84*	
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	595.09	104.69
		For Work In Restricted Working Space, Add	*62.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0024		**Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)** *(23 05 29 00-0002)*		
23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	28.02	10.77
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.41	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.83	11.97
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.91	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	33.51	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	34.37	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	37.99	13.64
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	39.75	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	44.65	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	48.62	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	77.31	20.04
		For Work In Restricted Working Space, Add	*12.02*	
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	95.46	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	114.23	29.92
		For Work In Restricted Working Space, Add	*17.95*	
23 05 29 00-0038		**Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)** *(23 05 29 00-0002)*		
23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.14	10.77
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.57	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.98	11.97
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.73	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.86	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	28.65	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.94	13.64
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	32.23	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	36.36	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	37.29	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0049		**Extended Steel Clevis Hanger (Cooper B-Line B3108)** *(23 05 29 00-0002)*		
23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.45	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.77	11.97
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	33.48	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.42	12.94
		For Work In Restricted Working Space, Add	*7.77*	
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	36.67	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	39.09	13.64
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	40.92	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	48.76	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	61.47	20.04
		For Work In Restricted Working Space, Add	*12.02*	
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	75.54	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	105.41	29.92
		For Work In Restricted Working Space, Add	*17.95*	
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	147.18	40.68
		For Work In Restricted Working Space, Add	*23.93*	
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	165.34	44.86
		For Work In Restricted Working Space, Add	*26.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0063		Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	37.78	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	40.13	13.64
		For Work In Restricted Working Space, Add	*8.21*	
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	42.09	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	46.75	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	49.09	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	61.04	20.04
		For Work In Restricted Working Space, Add	*12.02*	
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	71.46	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	94.11	29.92
		For Work In Restricted Working Space, Add	*17.95*	
23 05 29 00-0072		Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT) *(23 05 29 00-0002)*		
23 05 29 00-0073	EA	1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	28.64	11.07
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0074	EA	3/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	30.44	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0075	EA	1" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	31.69	11.97
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0076	EA	1-1/4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	32.87	12.36
		For Work In Restricted Working Space, Add	*7.69*	
23 05 29 00-0077	EA	1-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	33.58	12.75
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0078	EA	2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	35.15	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0079	EA	2-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	39.49	13.76
		For Work In Restricted Working Space, Add	*8.16*	
23 05 29 00-0080	EA	3" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	45.61	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0081	EA	3-1/2" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	49.60	15.55
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0082	EA	4" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	52.31	16.75
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0083	EA	5" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	65.28	20.34
		For Work In Restricted Working Space, Add	*11.51*	
23 05 29 00-0084	EA	6" Diameter Size, Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)	86.40	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0085		Fiberglass Clevis Hanger *(23 05 29 00-0002)*		
23 05 29 00-0086	EA	1-1/2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	277.71	12.75
23 05 29 00-0087	EA	2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	284.11	13.28
23 05 29 00-0088	EA	2-1/2" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	285.05	13.76
23 05 29 00-0089	EA	3" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	326.83	14.12
23 05 29 00-0090	EA	4" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	412.47	15.91
23 05 29 00-0091	EA	6" Diameter Size, Fiberglass Clevis Hanger (Cooper BFV3104)	541.27	23.93
23 05 29 00-0092	EA	8" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	759.42	29.92
23 05 29 00-0093	EA	10" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	887.98	39.84
23 05 29 00-0094	EA	12" Diameter Size, Fiberglass Clevis Hanger (Cooper BFP3104)	1,137.66	44.86
23 05 29 00-0095		Adjustable Hangers *(23 05 29 00-0001)*		
23 05 29 00-0096		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0095)*		
		Note: Type 5.		
23 05 29 00-0097	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.15	9.44
		For Work In Restricted Working Space, Add	*5.66*	
23 05 29 00-0098	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.22	10.47
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0099	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	25.53	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0100	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.20	12.93
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0101	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	29.63	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0102	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	31.63	14.23
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0103	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.83	14.87
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0104	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	37.43	15.52
		For Work In Restricted Working Space, Add	*9.31*	
23 05 29 00-0105	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	44.21	17.46
		For Work In Restricted Working Space, Add	*10.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0106		**Adjustable Swivel Steel Ring (Cooper B-Line B3170)** *(23 05 29 00-0095)*		
		Note: Type 10.		
23 05 29 00-0107	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.97	11.97
		For Work In Restricted Working Space, Add	*7.18*	
		For 304 Stainless Steel, Add	*5.30*	
		For 316 Stainless Steel, Add	*6.50*	
23 05 29 00-0108	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.32	11.97
		For Work In Restricted Working Space, Add	*7.55*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*7.13*	
23 05 29 00-0109	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	27.72	13.17
		For Work In Restricted Working Space, Add	*7.97*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*7.13*	
23 05 29 00-0110	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	29.42	14.35
		For Work In Restricted Working Space, Add	*8.45*	
		For 304 Stainless Steel, Add	*6.48*	
		For 316 Stainless Steel, Add	*7.94*	
23 05 29 00-0111	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.18	16.75
		For Work In Restricted Working Space, Add	*9.57*	
		For 304 Stainless Steel, Add	*6.48*	
		For 316 Stainless Steel, Add	*7.94*	
23 05 29 00-0112	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	35.52	16.75
		For Work In Restricted Working Space, Add	*10.25*	
		For 304 Stainless Steel, Add	*6.83*	
		For 316 Stainless Steel, Add	*8.38*	
23 05 29 00-0113	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	38.99	17.95
		For Work In Restricted Working Space, Add	*11.04*	
		For 304 Stainless Steel, Add	*11.12*	
		For 316 Stainless Steel, Add	*13.63*	
23 05 29 00-0114	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	42.15	20.34
		For Work In Restricted Working Space, Add	*11.96*	
		For 304 Stainless Steel, Add	*11.58*	
		For 316 Stainless Steel, Add	*14.19*	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	46.71	21.83
		For Work In Restricted Working Space, Add	*13.10*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*19.00*	
23 05 29 00-0116	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	50.90	23.93
		For Work In Restricted Working Space, Add	*14.36*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*19.00*	
23 05 29 00-0117	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	60.16	26.92
		For Work In Restricted Working Space, Add	*16.15*	
		For 304 Stainless Steel, Add	*32.23*	
		For 316 Stainless Steel, Add	*39.50*	
23 05 29 00-0118	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	66.24	29.92
		For Work In Restricted Working Space, Add	*17.95*	
		For 304 Stainless Steel, Add	*32.74*	
		For 316 Stainless Steel, Add	*40.13*	
23 05 29 00-0119	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	79.41	35.89
		For Work In Restricted Working Space, Add	*21.54*	
		For 304 Stainless Steel, Add	*38.86*	
		For 316 Stainless Steel, Add	*47.63*	
23 05 29 00-0120		**Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)** *(23 05 29 00-0095)*		
23 05 29 00-0121	EA	1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.67	11.97
		For Work In Restricted Working Space, Add	*7.18*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0122	EA	3/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.92	11.97
		For Work In Restricted Working Space, Add	*7.55*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0123	EA	1" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	30.32	13.17
		For Work In Restricted Working Space, Add	*7.97*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0124	EA	1-1/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	31.89	14.35
		For Work In Restricted Working Space, Add	*8.45*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0125	EA	1-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	35.96	16.75
		For Work In Restricted Working Space, Add	*9.57*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0126	EA	2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	38.23	16.75
		For Work In Restricted Working Space, Add	*10.25*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0127	EA	2-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	47.44	17.95
		For Work In Restricted Working Space, Add	*11.04*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*66.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0128	EA	3" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	53.05	20.34
		For Work In Restricted Working Space, Add	*11.96*	
		For 304 Stainless Steel, Add	*67.17*	
		For 316 Stainless Steel, Add	*82.31*	
23 05 29 00-0129	EA	3-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	57.88	21.83
		For Work In Restricted Working Space, Add	*13.10*	
		For 304 Stainless Steel, Add	*72.47*	
		For 316 Stainless Steel, Add	*88.81*	
23 05 29 00-0130	EA	4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	65.16	23.93
		For Work In Restricted Working Space, Add	*14.36*	
		For 304 Stainless Steel, Add	*88.23*	
		For 316 Stainless Steel, Add	*108.13*	
23 05 29 00-0131	EA	5" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	71.38	26.92
		For Work In Restricted Working Space, Add	*16.15*	
		For 304 Stainless Steel, Add	*89.45*	
		For 316 Stainless Steel, Add	*109.63*	
23 05 29 00-0132	EA	6" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	85.21	29.92
		For Work In Restricted Working Space, Add	*17.95*	
		For 304 Stainless Steel, Add	*129.49*	
		For 316 Stainless Steel, Add	*158.69*	

23 05 29 00-0133 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0134 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0133)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0135	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	33.89	9.58
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0136	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	37.39	10.78
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0137	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	41.85	12.57
		For Work In Restricted Working Space, Add	*7.54*	
23 05 29 00-0138	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	48.12	14.36
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0139	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	64.98	16.16
		For Work In Restricted Working Space, Add	*9.70*	
23 05 29 00-0140	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	59.44	17.96
		For Work In Restricted Working Space, Add	*10.77*	
23 05 29 00-0141	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	73.64	21.55
		For Work In Restricted Working Space, Add	*12.93*	
23 05 29 00-0142	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	97.67	25.14
		For Work In Restricted Working Space, Add	*15.08*	
23 05 29 00-0143	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	115.84	29.93
		For Work In Restricted Working Space, Add	*17.96*	

23 05 29 00-0144 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0133)*

Note: Type 43.

23 05 29 00-0145	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	51.32	16.90
		For Work In Restricted Working Space, Add	*9.75*	
		For 304 Stainless Steel, Add	*95.98*	
		For 316 Stainless Steel, Add	*117.63*	
23 05 29 00-0146	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	53.65	17.42
		For Work In Restricted Working Space, Add	*10.45*	
		For 304 Stainless Steel, Add	*95.98*	
		For 316 Stainless Steel, Add	*117.63*	
23 05 29 00-0147	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	58.13	18.20
		For Work In Restricted Working Space, Add	*11.14*	
		For 304 Stainless Steel, Add	*107.05*	
		For 316 Stainless Steel, Add	*131.19*	
23 05 29 00-0148	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	66.93	19.50
		For Work In Restricted Working Space, Add	*11.70*	
		For 304 Stainless Steel, Add	*142.49*	
		For 316 Stainless Steel, Add	*174.63*	
23 05 29 00-0149	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	71.27	22.10
		For Work In Restricted Working Space, Add	*13.00*	
		For 304 Stainless Steel, Add	*142.49*	
		For 316 Stainless Steel, Add	*174.63*	
23 05 29 00-0150	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	80.20	23.78
		For Work In Restricted Working Space, Add	*14.27*	
		For 304 Stainless Steel, Add	*166.36*	
		For 316 Stainless Steel, Add	*203.88*	
23 05 29 00-0151	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	92.51	26.00
		For Work In Restricted Working Space, Add	*15.60*	
		For 304 Stainless Steel, Add	*206.60*	
		For 316 Stainless Steel, Add	*253.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0152	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	125.62	32.50
		For Work In Restricted Working Space, Add	*19.50*	
		For 304 Stainless Steel, Add	*309.21*	
		For 316 Stainless Steel, Add	*378.94*	
23 05 29 00-0153	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	158.89	44.20
		For Work In Restricted Working Space, Add	*26.00*	
		For 304 Stainless Steel, Add	*368.37*	
		For 316 Stainless Steel, Add	*451.44*	
23 05 29 00-0154	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	203.68	48.74
		For Work In Restricted Working Space, Add	*29.25*	
		For 304 Stainless Steel, Add	*541.57*	
		For 316 Stainless Steel, Add	*663.69*	
23 05 29 00-0155	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	406.05	55.89
		For Work In Restricted Working Space, Add	*33.54*	
		For 304 Stainless Steel, Add	*1,500.73*	
		For 316 Stainless Steel, Add	*1,839.13*	
23 05 29 00-0156	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	507.72	64.99
		For Work In Restricted Working Space, Add	*39.00*	
		For 304 Stainless Steel, Add	*1,926.42*	
		For 316 Stainless Steel, Add	*2,360.81*	

23 05 29 00-0157 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0133)*

23 05 29 00-0158	EA	2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	50.08	16.90
		For Work In Restricted Working Space, Add	*9.75*	
23 05 29 00-0159	EA	2-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	53.92	17.42
		For Work In Restricted Working Space, Add	*10.45*	
23 05 29 00-0160	EA	3" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	56.66	18.20
		For Work In Restricted Working Space, Add	*11.14*	
23 05 29 00-0161	EA	3-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	63.86	19.50
		For Work In Restricted Working Space, Add	*11.70*	
23 05 29 00-0162	EA	4" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	71.14	22.10
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-0163	EA	5" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	77.80	23.78
		For Work In Restricted Working Space, Add	*14.27*	
23 05 29 00-0164	EA	6" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	94.08	26.00
		For Work In Restricted Working Space, Add	*15.60*	
23 05 29 00-0165	EA	8" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	121.88	32.50
		For Work In Restricted Working Space, Add	*19.50*	
23 05 29 00-0166	EA	10" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	158.02	44.20
		For Work In Restricted Working Space, Add	*26.00*	
23 05 29 00-0167	EA	12" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	201.41	48.74
		For Work In Restricted Working Space, Add	*29.25*	
23 05 29 00-0168	EA	14" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	220.79	55.89
		For Work In Restricted Working Space, Add	*33.54*	
23 05 29 00-0169	EA	16" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	265.29	64.99
		For Work In Restricted Working Space, Add	*39.00*	
23 05 29 00-0170	EA	18" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	355.15	81.24
		For Work In Restricted Working Space, Add	*48.75*	
23 05 29 00-0171	EA	20" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	438.28	97.49
		For Work In Restricted Working Space, Add	*58.49*	

23 05 29 00-0172 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0133)*

23 05 29 00-0173	EA	2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	55.87	16.90
		For Work In Restricted Working Space, Add	*9.75*	
23 05 29 00-0174	EA	2-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	62.47	17.42
		For Work In Restricted Working Space, Add	*10.45*	
23 05 29 00-0175	EA	3" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	65.79	18.20
		For Work In Restricted Working Space, Add	*11.14*	
23 05 29 00-0176	EA	3-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	69.44	19.50
		For Work In Restricted Working Space, Add	*11.70*	
23 05 29 00-0177	EA	4" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	82.84	22.10
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-0178	EA	5" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	93.64	23.78
		For Work In Restricted Working Space, Add	*14.27*	
23 05 29 00-0179	EA	6" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	108.39	26.00
		For Work In Restricted Working Space, Add	*15.60*	
23 05 29 00-0180	EA	8" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	151.33	32.50
		For Work In Restricted Working Space, Add	*19.50*	
23 05 29 00-0181	EA	10" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	189.78	44.20
		For Work In Restricted Working Space, Add	*26.00*	
23 05 29 00-0182	EA	12" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	218.99	48.74
		For Work In Restricted Working Space, Add	*29.25*	
23 05 29 00-0183	EA	14" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	304.95	55.89
		For Work In Restricted Working Space, Add	*33.54*	
23 05 29 00-0184	EA	16" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	364.83	64.99
		For Work In Restricted Working Space, Add	*39.00*	
23 05 29 00-0185	EA	18" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	417.08	81.24
		For Work In Restricted Working Space, Add	*48.75*	

23 05 29 00-0186 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0133)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0187	EA	2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	56.20	16.90
		For Work In Restricted Working Space, Add	*9.75*	
23 05 29 00-0188	EA	2-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	62.77	17.42
		For Work In Restricted Working Space, Add	*10.45*	
23 05 29 00-0189	EA	3" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	66.29	18.20
		For Work In Restricted Working Space, Add	*11.14*	
23 05 29 00-0190	EA	3-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	69.00	19.50
		For Work In Restricted Working Space, Add	*11.70*	
23 05 29 00-0191	EA	4" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	86.22	22.10
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-0192	EA	5" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	97.62	23.78
		For Work In Restricted Working Space, Add	*14.27*	
23 05 29 00-0193	EA	6" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	113.14	26.00
		For Work In Restricted Working Space, Add	*15.60*	
23 05 29 00-0194	EA	8" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	158.68	32.50
		For Work In Restricted Working Space, Add	*19.50*	
23 05 29 00-0195	EA	10" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	198.60	44.20
		For Work In Restricted Working Space, Add	*26.00*	
23 05 29 00-0196	EA	12" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	229.31	48.74
		For Work In Restricted Working Space, Add	*29.25*	
23 05 29 00-0197	EA	14" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	321.46	55.89
		For Work In Restricted Working Space, Add	*33.54*	

23 05 29 00-0198 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0199 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0198)*

Note: Type 4.

23 05 29 00-0200	EA	1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	19.90	7.76
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0201	EA	3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.16	7.89
		For Work In Restricted Working Space, Add	*4.73*	
23 05 29 00-0202	EA	1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	20.44	8.02
		For Work In Restricted Working Space, Add	*4.81*	
23 05 29 00-0203	EA	1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.04	8.15
		For Work In Restricted Working Space, Add	*4.89*	
23 05 29 00-0204	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.30	8.27
		For Work In Restricted Working Space, Add	*4.97*	
23 05 29 00-0205	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	23.57	8.40
		For Work In Restricted Working Space, Add	*5.05*	
23 05 29 00-0206	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	24.48	8.66
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0207	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	25.84	8.92
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0208	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	29.41	9.06
		For Work In Restricted Working Space, Add	*5.43*	
23 05 29 00-0209	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	34.58	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0210	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	49.09	15.52
		For Work In Restricted Working Space, Add	*9.31*	
23 05 29 00-0211	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	66.48	19.40
		For Work In Restricted Working Space, Add	*11.64*	
23 05 29 00-0212	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	78.16	22.63
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0213	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	111.02	25.86
		For Work In Restricted Working Space, Add	*15.52*	
23 05 29 00-0214	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	148.62	28.45
		For Work In Restricted Working Space, Add	*17.07*	
23 05 29 00-0215	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	234.20	31.04
		For Work In Restricted Working Space, Add	*18.62*	
23 05 29 00-0216	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	253.86	33.62
		For Work In Restricted Working Space, Add	*20.18*	
23 05 29 00-0217	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	404.85	36.21
		For Work In Restricted Working Space, Add	*21.73*	
23 05 29 00-0218	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	466.91	38.80
		For Work In Restricted Working Space, Add	*23.28*	
23 05 29 00-0219	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	605.30	42.68
		For Work In Restricted Working Space, Add	*25.61*	

23 05 29 00-0220 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0198)*

23 05 29 00-0221	EA	3" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	37.65	8.37
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0222	EA	4" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	48.44	8.37
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0223	EA	5" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	53.00	8.67
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0224	EA	6" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	82.77	8.97
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0225	EA	8" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	89.95	9.57
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0226	EA	10" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	151.37	9.57
		For Work In Restricted Working Space, Add	*5.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0227	EA	12" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	243.15	10.77
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0228	EA	14" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	307.83	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0229	EA	16" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	335.25	14.35
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0230	EA	18" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,031.58	16.75
		For Work In Restricted Working Space, Add	*10.05*	
23 05 29 00-0231	EA	20" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,185.24	17.95
		For Work In Restricted Working Space, Add	*10.77*	
23 05 29 00-0232	EA	24" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,516.67	19.14
		For Work In Restricted Working Space, Add	*11.49*	

23 05 29 00-0233 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0198)*

Note: Type 8.

23 05 29 00-0234	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	19.83	7.18
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0235	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	20.59	7.30
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0236	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	20.89	7.42
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0237	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	22.40	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0238	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.20	7.66
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0239	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.74	7.78
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0240	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	24.72	8.01
		For Work In Restricted Working Space, Add	*4.81*	
23 05 29 00-0241	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	26.11	8.25
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0242	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	28.42	8.37
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0243	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	34.75	10.77
		For Work In Restricted Working Space, Add	*6.46*	
23 05 29 00-0244	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	45.10	14.35
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0245	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	57.08	17.95
		For Work In Restricted Working Space, Add	*10.77*	
23 05 29 00-0246	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	76.56	20.94
		For Work In Restricted Working Space, Add	*12.56*	
23 05 29 00-0247	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	99.20	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0248	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	118.95	26.32
		For Work In Restricted Working Space, Add	*15.79*	
23 05 29 00-0249	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	157.20	28.72
		For Work In Restricted Working Space, Add	*17.23*	
23 05 29 00-0250	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	289.97	31.10
		For Work In Restricted Working Space, Add	*18.67*	

23 05 29 00-0251 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0198)*

23 05 29 00-0252	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	32.87	7.18
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0253	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.38	7.30
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0254	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	34.69	7.42
		For Work In Restricted Working Space, Add	*4.45*	
23 05 29 00-0255	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	36.94	7.54
		For Work In Restricted Working Space, Add	*4.52*	
23 05 29 00-0256	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	41.38	7.66
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0257	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	43.83	7.78
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0258	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	47.28	8.01
		For Work In Restricted Working Space, Add	*4.81*	
23 05 29 00-0259	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	51.74	8.25
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0260	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	69.91	10.77
		For Work In Restricted Working Space, Add	*6.46*	

23 05 29 00-0261 Copper Tubing Riser Clamp (Cooper B-Line B3373CT) *(23 05 29 00-0198)*

23 05 29 00-0262	EA	1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.11	7.18
23 05 29 00-0263	EA	3/4" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.36	7.30
23 05 29 00-0264	EA	1" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	34.60	7.42
23 05 29 00-0265	EA	1-1/4" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	35.48	7.54
23 05 29 00-0266	EA	1-1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	40.22	7.66
23 05 29 00-0267	EA	2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	41.82	7.78
23 05 29 00-0268	EA	2-1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	46.97	8.01
23 05 29 00-0269	EA	3" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	52.30	8.25
23 05 29 00-0270	EA	3-1/2" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	64.28	8.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0271	EA	4" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	69.55	10.77
23 05 29 00-0272	EA	5" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	92.47	14.35
23 05 29 00-0273	EA	6" Diameter Size, Copper Tubing Riser Clamp (Cooper B-Line B3373CT)	118.01	17.95
23 05 29 00-0274		Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0198)* Note: Type 42		
23 05 29 00-0275	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	70.97	8.37
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0276	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	75.42	8.97
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0277	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	82.67	9.57
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0278	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	88.00	9.57
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0279	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	106.16	10.77
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0280	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	321.53	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0281	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	430.11	14.35
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0282	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	512.37	16.75
		For Work In Restricted Working Space, Add	*10.05*	
23 05 29 00-0283	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	743.92	17.95
		For Work In Restricted Working Space, Add	*10.77*	
23 05 29 00-0284	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,023.20	19.14
		For Work In Restricted Working Space, Add	*11.49*	
23 05 29 00-0285		Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0198)*		
23 05 29 00-0286	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	65.75	8.37
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0287	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	70.94	8.97
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0288	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	121.60	9.57
		For Work In Restricted Working Space, Add	*5.74*	
23 05 29 00-0289	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	134.79	9.57
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0290	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	192.44	10.77
		For Work In Restricted Working Space, Add	*6.45*	
23 05 29 00-0291	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	293.36	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0292	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	392.88	14.35
		For Work In Restricted Working Space, Add	*8.62*	
23 05 29 00-0293	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	467.48	16.75
		For Work In Restricted Working Space, Add	*10.05*	
23 05 29 00-0294	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	680.87	17.95
		For Work In Restricted Working Space, Add	*10.77*	
23 05 29 00-0295	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	929.88	19.14
		For Work In Restricted Working Space, Add	*11.49*	
23 05 29 00-0296		Split Pipe Clamps And Rings *(23 05 29 00-0001)*		
23 05 29 00-0297		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0296)* Note: Type 6.		
23 05 29 00-0298	EA	3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	32.52	10.99
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0299	EA	1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	34.44	11.64
		For Work In Restricted Working Space, Add	*6.98*	
23 05 29 00-0300	EA	1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	37.56	12.93
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0301	EA	1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	40.33	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0302	EA	2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	43.39	14.23
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0303	EA	2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	52.51	14.87
		For Work In Restricted Working Space, Add	*8.93*	
23 05 29 00-0304	EA	3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	57.31	15.52
		For Work In Restricted Working Space, Add	*9.31*	
23 05 29 00-0305	EA	4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	75.00	17.46
		For Work In Restricted Working Space, Add	*10.48*	
23 05 29 00-0306	EA	5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	95.28	21.99
		For Work In Restricted Working Space, Add	*13.19*	
23 05 29 00-0307	EA	6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	126.00	25.86
		For Work In Restricted Working Space, Add	*15.52*	
23 05 29 00-0308		Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0296)* Note: Type 11.		
23 05 29 00-0309	EA	1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	21.97	9.10
		For Work In Restricted Working Space, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0310	EA	3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	23.14	9.10
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0311	EA	1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	25.53	11.69
		For Work In Restricted Working Space, Add	*6.50*	
23 05 29 00-0312	EA	1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	27.61	11.69
		For Work In Restricted Working Space, Add	*6.84*	
23 05 29 00-0313	EA	1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	30.47	11.69
		For Work In Restricted Working Space, Add	*7.09*	
23 05 29 00-0314	EA	2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	35.32	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 05 29 00-0315	EA	2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	45.69	12.99
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0316	EA	3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	50.44	14.30
		For Work In Restricted Working Space, Add	*8.48*	
23 05 29 00-0317	EA	4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	53.87	15.60
		For Work In Restricted Working Space, Add	*9.28*	

23 05 29 00-0318 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0296)*

Note: Type 12.

23 05 29 00-0319	EA	1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	21.97	9.10
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0320	EA	3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	23.14	9.75
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-0321	EA	1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	25.53	11.05
		For Work In Restricted Working Space, Add	*6.50*	
23 05 29 00-0322	EA	1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	27.61	11.69
		For Work In Restricted Working Space, Add	*6.84*	
23 05 29 00-0323	EA	1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	30.47	11.69
		For Work In Restricted Working Space, Add	*7.09*	
23 05 29 00-0324	EA	2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	35.32	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 05 29 00-0325	EA	2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	45.69	13.64
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0326	EA	3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	50.44	14.30
		For Work In Restricted Working Space, Add	*8.48*	

23 05 29 00-0327 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0328 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0327)*

23 05 29 00-0329	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.01	6.50
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0330	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.69	7.80
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0331	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.46	7.80
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0332	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.39	7.80
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0333	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.42	9.10
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0334	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	20.91	9.10
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0335	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	25.04	9.10
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0336	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	31.33	9.10
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0337	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	37.05	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0338	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	44.82	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 05 29 00-0339	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	55.10	14.30
		For Work In Restricted Working Space, Add	*8.57*	

23 05 29 00-0340 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0327)*

23 05 29 00-0341	EA	1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.17	
		For Work In Restricted Working Space, Add	*1.95*	
23 05 29 00-0342	EA	3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.61	
		For Work In Restricted Working Space, Add	*2.05*	
23 05 29 00-0343	EA	1" Diameter Size, Two Hole Copper-Clad Pipe Strap	8.52	
		For Work In Restricted Working Space, Add	*2.14*	
23 05 29 00-0344	EA	1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.47	
		For Work In Restricted Working Space, Add	*2.24*	
23 05 29 00-0345	EA	1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	10.17	
		For Work In Restricted Working Space, Add	*2.34*	
23 05 29 00-0346	EA	2" Diameter Size, Two Hole Copper-Clad Pipe Strap	11.03	
		For Work In Restricted Working Space, Add	*2.53*	

23 05 29 00-0347 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0327)*

23 05 29 00-0348	EA	1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.06	
		For Work In Restricted Working Space, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0349	EA	3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.59	
		For Work In Restricted Working Space, Add	*0.70*	
23 05 29 00-0350	EA	1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.86	
		For Work In Restricted Working Space, Add	*0.75*	
23 05 29 00-0351	EA	1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.16	
		For Work In Restricted Working Space, Add	*0.81*	
23 05 29 00-0352	EA	1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.48	
		For Work In Restricted Working Space, Add	*0.89*	
23 05 29 00-0353	EA	2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.98	
		For Work In Restricted Working Space, Add	*0.98*	

23 05 29 00-0354 Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B-2400 Or Tripac 2STR) *(23 05 29 00-0327)*

Note: Designed for supporting pipe runs from strut supports.

23 05 29 00-0355	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1/2ZN) Note: Designed for supporting pipe runs from strut supports.	50.43	20.79
		For Work In Restricted Working Space, Add	*12.47*	
23 05 29 00-0356	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3/4ZN) Note: Designed for supporting pipe runs from strut supports.	54.71	22.74
		For Work In Restricted Working Space, Add	*13.64*	
23 05 29 00-0357	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-1ZN) Note: Designed for supporting pipe runs from strut supports.	59.15	24.69
		For Work In Restricted Working Space, Add	*14.81*	
23 05 29 00-0358	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/4ZN) Note: Designed for supporting pipe runs from strut supports.	63.61	26.64
		For Work In Restricted Working Space, Add	*15.98*	
23 05 29 00-0359	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-11/2ZN) Note: Designed for supporting pipe runs from strut supports.	68.94	28.58
		For Work In Restricted Working Space, Add	*17.15*	
23 05 29 00-0360	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-2ZN) Note: Designed for supporting pipe runs from strut supports.	78.35	31.19
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0361	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-21/2ZN) Note: Designed for supporting pipe runs from strut supports.	86.56	34.43
		For Work In Restricted Working Space, Add	*20.66*	
23 05 29 00-0362	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-3ZN) Note: Designed for supporting pipe runs from strut supports.	95.08	38.33
		For Work In Restricted Working Space, Add	*23.00*	
23 05 29 00-0363	EA	3-1/2" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-31/2ZN) Note: Designed for supporting pipe runs from strut supports.	95.77	38.33
		For Work In Restricted Working Space, Add	*23.00*	
23 05 29 00-0364	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-4ZN) Note: Designed for supporting pipe runs from strut supports.	111.34	44.83
		For Work In Restricted Working Space, Add	*26.90*	
23 05 29 00-0365	EA	5" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-5ZN) Note: Designed for supporting pipe runs from strut supports.	132.07	51.98
		For Work In Restricted Working Space, Add	*30.80*	
23 05 29 00-0366	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-6ZN) Note: Designed for supporting pipe runs from strut supports.	148.62	57.82
		For Work In Restricted Working Space, Add	*34.69*	
23 05 29 00-0367	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-8AN) Note: Designed for supporting pipe runs from strut supports.	179.67	70.17
		For Work In Restricted Working Space, Add	*42.10*	
23 05 29 00-0368	EA	10" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-10AN) Note: Designed for supporting pipe runs from strut supports.	212.87	81.86
		For Work In Restricted Working Space, Add	*49.12*	
23 05 29 00-0369	EA	12" Diameter Size, Standard Two Hole Pipe Strap, Zinc Coated Steel (Cooper B-Line B2400-12AN) Note: Designed for supporting pipe runs from strut supports.	240.89	90.95
		For Work In Restricted Working Space, Add	*54.58*	

23 05 29 00-0370 Standard Two Hole Pipe Strap, Stainless Steel (Cooper B-Line B-2400) *(23 05 29 00-0327)*

23 05 29 00-0371	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1/2SS4)	67.59	20.79
		For Work In Restricted Working Space, Add	*12.47*	
23 05 29 00-0372	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3/4SS4)	72.61	23.39
		For Work In Restricted Working Space, Add	*13.64*	
23 05 29 00-0373	EA	1" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-1SS4)	76.56	24.69
		For Work In Restricted Working Space, Add	*14.81*	
23 05 29 00-0374	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/4SS4)	87.74	27.29
		For Work In Restricted Working Space, Add	*15.98*	
23 05 29 00-0375	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-11/2SS4)	87.77	28.58
		For Work In Restricted Working Space, Add	*17.15*	
23 05 29 00-0376	EA	2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-2SS4)	106.62	31.19
		For Work In Restricted Working Space, Add	*18.71*	
23 05 29 00-0377	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-21/2SS4)	101.10	28.58
		For Work In Restricted Working Space, Add	*16.76*	
23 05 29 00-0378	EA	3" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-3SS4)	123.89	38.98
		For Work In Restricted Working Space, Add	*23.00*	
23 05 29 00-0379	EA	3-1/2" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-31/2SS4)	136.59	41.58
		For Work In Restricted Working Space, Add	*24.95*	
23 05 29 00-0380	EA	4" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-4SS4)	152.19	45.48
		For Work In Restricted Working Space, Add	*26.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0381	EA	5" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-5SS4)	193.49	51.98
		For Work In Restricted Working Space, Add	*30.80*	
23 05 29 00-0382	EA	6" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-6SS4)	212.76	58.48
		For Work In Restricted Working Space, Add	*34.69*	
23 05 29 00-0383	EA	8" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-8SS4)	264.72	70.17
		For Work In Restricted Working Space, Add	*42.10*	
23 05 29 00-0384	EA	10" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-10SS4)	307.31	81.86
		For Work In Restricted Working Space, Add	*49.12*	
23 05 29 00-0385	EA	12" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-12SS4)	533.26	90.95
		For Work In Restricted Working Space, Add	*54.58*	
23 05 29 00-0386	EA	14" Diameter Size, Standard Two Hole Pipe Strap, 304 Stainless Steel (Cooper B-Line B2400-14SS4)	404.70	100.05
		For Work In Restricted Working Space, Add	*60.03*	
23 05 29 00-0387		Pipe and Equipment Support Brackets *(23 05 29 00-0001)*		
23 05 29 00-0388		Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0387)*		
		Note: Up to 750# load.		
23 05 29 00-0389	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	119.07	14.35
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized, Add	*18.07*	
23 05 29 00-0390	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	120.72	14.35
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized, Add	*18.40*	
23 05 29 00-0391	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	127.26	14.35
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized, Add	*19.71*	
23 05 29 00-0392		Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0387)*		
		Note: Up to 1500# load.		
23 05 29 00-0393	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	278.72	14.35
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized, Add	*50.00*	
23 05 29 00-0394	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	325.72	14.35
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized, Add	*59.40*	
23 05 29 00-0395	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	421.55	14.35
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized, Add	*78.57*	
23 05 29 00-0396		Fiberglass Brackets *(23 05 29 00-0387)*		
23 05 29 00-0397		Polyester Resin *(23 05 29 00-0396)*		
		Note: (B-Line BFP409 Series), single channel bracket.		
23 05 29 00-0398	EA	6" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	333.64	11.97
23 05 29 00-0399	EA	9" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	351.73	13.17
23 05 29 00-0400	EA	12" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	369.82	14.35
23 05 29 00-0401	EA	18" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	418.54	14.96
23 05 29 00-0402	EA	24" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP409)	463.86	15.55
23 05 29 00-0403		Vinyl Ester Resin *(23 05 29 00-0396)*		
		Note: (B-Line BFV409 Series), single channel bracket.		
23 05 29 00-0404	EA	6" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	426.55	11.97
23 05 29 00-0405	EA	9" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	449.73	13.17
23 05 29 00-0406	EA	12" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	473.34	14.35
23 05 29 00-0407	EA	18" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	535.21	14.96
23 05 29 00-0408	EA	24" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV409)	600.47	15.55
23 05 29 00-0409		Polyester Resin *(23 05 29 00-0396)*		
		Note: (B-Line BFP494 Series), braced single channel bracket.		
23 05 29 00-0410	EA	24" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	517.74	15.55
23 05 29 00-0411	EA	30" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	534.98	16.75
23 05 29 00-0412	EA	36" Diameter Size, Fiberglass Bracket, Polyester Resin (Cooper B-Line BFP494)	571.31	17.95
23 05 29 00-0413		Vinyl Ester Resin *(23 05 29 00-0396)*		
		Note: (B-Line BFV494 Series), braced single channel bracket.		
23 05 29 00-0414	EA	24" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	664.52	15.55
23 05 29 00-0415	EA	30" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	693.65	16.75
23 05 29 00-0416	EA	36" Diameter Size, Fiberglass Bracket, Vinyl Ester Resin (Cooper B-Line BFV494)	732.52	17.95
23 05 29 00-0417		Pipe Alignment Guide *(23 05 29 00-0001)*		
23 05 29 00-0418		Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0417)*		
23 05 29 00-0419	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	458.27	22.73
23 05 29 00-0420	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	459.46	23.33

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23 05 29 00-0421	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	460.66	23.93
23 05 29 00-0422	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	461.85	24.53
23 05 29 00-0423	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	503.26	25.12
23 05 29 00-0424	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	514.30	27.52
23 05 29 00-0425	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	516.09	28.42
23 05 29 00-0426	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	517.88	29.31
23 05 29 00-0427	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	548.16	31.10
23 05 29 00-0428	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	640.62	39.49
23 05 29 00-0429	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	657.36	47.86
23 05 29 00-0430	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	743.45	59.82
23 05 29 00-0431	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,357.86	71.79
23 05 29 00-0432	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,060.69	95.71
23 05 29 00-0433	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,536.61	119.65
23 05 29 00-0434	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,047.82	134.00
23 05 29 00-0435	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,289.49	149.56
23 05 29 00-0436	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,501.20	171.10
23 05 29 00-0437	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,395.82	179.47
23 05 29 00-0438		**Pipe Alignment Guide, 1-1/2" Insulation** *(23 05 29 00-0417)*		
23 05 29 00-0439	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	459.46	23.33
23 05 29 00-0440	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	500.87	23.93
23 05 29 00-0441	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	502.06	24.53
23 05 29 00-0442	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	503.26	25.12
23 05 29 00-0443	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	504.46	25.73
23 05 29 00-0444	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	515.50	28.11
23 05 29 00-0445	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	517.29	29.01
23 05 29 00-0446	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	545.76	29.92
23 05 29 00-0447	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	549.35	31.71
23 05 29 00-0448	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	642.41	40.38
23 05 29 00-0449	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	659.76	49.05
23 05 29 00-0450	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	746.44	61.32
23 05 29 00-0451	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,361.44	73.58
23 05 29 00-0452	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,065.48	98.11
23 05 29 00-0453	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,542.59	122.64
23 05 29 00-0454	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,055.00	137.59
23 05 29 00-0455	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,296.67	153.15
23 05 29 00-0456	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,509.58	175.28
23 05 29 00-0457	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,404.79	183.96
23 05 29 00-0458		**Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0417)*		
23 05 29 00-0459	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	500.87	23.93
23 05 29 00-0460	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	508.31	24.53
23 05 29 00-0461	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	509.51	25.12
23 05 29 00-0462	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	510.71	25.73
23 05 29 00-0463	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	511.90	26.32
23 05 29 00-0464	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	543.37	28.72
23 05 29 00-0465	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	545.76	29.92
23 05 29 00-0466	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	547.26	30.66
23 05 29 00-0467	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	626.26	32.30
23 05 29 00-0468	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	644.21	41.28
23 05 29 00-0469	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	724.31	50.25
23 05 29 00-0470	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	818.27	62.81
23 05 29 00-0471	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,365.03	75.37
23 05 29 00-0472	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,070.26	100.51
23 05 29 00-0473	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,548.58	125.63
23 05 29 00-0474	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,061.90	141.05
23 05 29 00-0475	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,304.45	157.03
23 05 29 00-0476	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,517.96	179.47
23 05 29 00-0477	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,413.76	188.44
23 05 29 00-0478		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0417)*		
23 05 29 00-0479	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	508.31	24.53
23 05 29 00-0480	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	536.19	25.12
23 05 29 00-0481	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	537.39	25.73
23 05 29 00-0482	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	538.58	26.32
23 05 29 00-0483	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	539.78	26.92
23 05 29 00-0484	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	544.56	29.31
23 05 29 00-0485	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	547.26	30.66
23 05 29 00-0486	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	624.46	31.40
23 05 29 00-0487	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	627.46	32.90
23 05 29 00-0488	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	707.56	41.87
23 05 29 00-0489	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	726.69	51.45
23 05 29 00-0490	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,342.90	64.31
23 05 29 00-0491	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,023.61	77.17
23 05 29 00-0492	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,503.11	102.89
23 05 29 00-0493	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,554.99	128.62
23 05 29 00-0494	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,069.35	144.77
23 05 29 00-0495	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,312.23	160.92

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23 05 29 00-0496	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,526.93	183.96
23 05 29 00-0497	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,423.33	193.23
23 05 29 00-0498		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0417)*		
23 05 29 00-0499	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	536.19	25.12
23 05 29 00-0500	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	537.39	25.73
23 05 29 00-0501	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	538.58	26.32
23 05 29 00-0502	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	539.78	26.92
23 05 29 00-0503	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	540.98	27.52
23 05 29 00-0504	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	621.47	29.92
23 05 29 00-0505	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	624.46	31.40
23 05 29 00-0506	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	626.26	32.30
23 05 29 00-0507	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	691.28	33.74
23 05 29 00-0508	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	709.94	43.07
23 05 29 00-0509	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	797.93	52.64
23 05 29 00-0510	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,345.89	65.81
23 05 29 00-0511	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,027.19	78.97
23 05 29 00-0512	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,507.89	105.29
23 05 29 00-0513	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,560.97	131.61
23 05 29 00-0514	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,076.54	148.36
23 05 29 00-0515	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,319.41	164.51
23 05 29 00-0516	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,535.90	188.44
23 05 29 00-0517	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,432.90	198.01
23 05 29 00-0518		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0417)*		
23 05 29 00-0519	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	537.39	25.73
23 05 29 00-0520	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	614.29	26.32
23 05 29 00-0521	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	615.49	26.92
23 05 29 00-0522	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	616.69	27.52
23 05 29 00-0523	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	617.89	28.11
23 05 29 00-0524	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	622.97	30.66
23 05 29 00-0525	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	626.02	32.18
23 05 29 00-0526	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	690.02	33.12
23 05 29 00-0527	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	693.19	34.70
23 05 29 00-0528	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	781.18	44.27
23 05 29 00-0529	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,321.96	53.84
23 05 29 00-0530	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,003.86	67.30
23 05 29 00-0531	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,459.63	80.94
23 05 29 00-0532	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,995.17	107.68
23 05 29 00-0533	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,049.61	134.90
23 05 29 00-0534	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,304.21	151.95
23 05 29 00-0535	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,496.42	168.70
23 05 29 00-0536	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,422.14	192.63
23 05 29 00-0537		**Pipe Alignment Guide, 4" Insulation** *(23 05 29 00-0417)*		
23 05 29 00-0538	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	614.29	26.32
23 05 29 00-0539	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	615.49	26.92
23 05 29 00-0540	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	616.69	27.52
23 05 29 00-0541	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	617.89	28.11
23 05 29 00-0542	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	619.08	28.72
23 05 29 00-0543	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	686.61	31.40
23 05 29 00-0544	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	689.61	32.90
23 05 29 00-0545	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	691.64	33.92
23 05 29 00-0546	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	763.82	35.59
23 05 29 00-0547	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,305.21	45.47
23 05 29 00-0548	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,324.36	55.04
23 05 29 00-0549	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,006.85	68.80
23 05 29 00-0550	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,464.05	83.15
23 05 29 00-0551	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,000.56	110.37
23 05 29 00-0552	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,265.57	137.59
23 05 29 00-0553	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,470.10	155.53
23 05 29 00-0554	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,383.85	173.48
23 05 29 00-0555		**Sway Bracing For No Hub Pipe** *(23 05 29 00-0001)*		
23 05 29 00-0556	EA	1-1/2" Diameter Size, Sway Bracing	166.54	15.79
		For Work In Restricted Working Space, Add	*9.45*	
23 05 29 00-0557	EA	2" Diameter Size, Sway Bracing	171.50	16.63
		For Work In Restricted Working Space, Add	*9.97*	
23 05 29 00-0558	EA	3" Diameter Size, Sway Bracing	177.56	17.58
		For Work In Restricted Working Space, Add	*10.56*	
23 05 29 00-0559	EA	4" Diameter Size, Sway Bracing	201.54	19.98
		For Work In Restricted Working Space, Add	*11.96*	
23 05 29 00-0560	EA	6" Diameter Size, Sway Bracing	295.57	29.92
		For Work In Restricted Working Space, Add	*17.95*	
23 05 29 00-0561	EA	8" Diameter Size, Sway Bracing	326.54	37.33
		For Work In Restricted Working Space, Add	*22.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0562	EA	10" Diameter Size, Sway Bracing	366.51	49.90
		For Work In Restricted Working Space, Add	*29.91*	

23 05 29 00-0563 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0564	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	370.23	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0565	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	378.24	13.17
		For Work In Restricted Working Space, Add	*7.90*	
23 05 29 00-0566	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	737.86	14.96
		For Work In Restricted Working Space, Add	*8.98*	
23 05 29 00-0567	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	907.88	16.75
		For Work In Restricted Working Space, Add	*10.05*	
23 05 29 00-0568	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	919.18	18.54
		For Work In Restricted Working Space, Add	*11.13*	
23 05 29 00-0569	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,008.71	20.94
		For Work In Restricted Working Space, Add	*12.56*	
23 05 29 00-0570	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,206.40	22.73
		For Work In Restricted Working Space, Add	*13.64*	
23 05 29 00-0571	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,220.14	24.53
		For Work In Restricted Working Space, Add	*14.72*	
23 05 29 00-0572	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,237.72	26.92
		For Work In Restricted Working Space, Add	*16.15*	
23 05 29 00-0573	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,287.65	29.31
		For Work In Restricted Working Space, Add	*17.59*	
23 05 29 00-0574	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,377.35	32.30
		For Work In Restricted Working Space, Add	*19.38*	
23 05 29 00-0575	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,417.45	35.89
		For Work In Restricted Working Space, Add	*21.54*	
23 05 29 00-0576	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,729.13	39.49
		For Work In Restricted Working Space, Add	*23.69*	
23 05 29 00-0577	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,882.80	44.27
		For Work In Restricted Working Space, Add	*26.56*	
23 05 29 00-0578	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,667.37	49.05
		For Work In Restricted Working Space, Add	*29.43*	
23 05 29 00-0579	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,273.82	53.84
		For Work In Restricted Working Space, Add	*32.30*	
23 05 29 00-0580	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,919.21	58.62
		For Work In Restricted Working Space, Add	*35.18*	

23 05 29 00-0581 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0582	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	14.09	5.39
23 05 29 00-0583	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	14.84	5.98
23 05 29 00-0584	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	16.36	6.28
23 05 29 00-0585	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	17.50	6.58
23 05 29 00-0586	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	19.49	7.18
23 05 29 00-0587	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	21.67	7.48
23 05 29 00-0588	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	27.01	7.78
23 05 29 00-0589	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	29.83	8.37
23 05 29 00-0590	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	36.51	9.57
23 05 29 00-0591	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	54.57	10.77

23 05 29 00-0592 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0593	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.72
23 05 29 00-0594	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.92
23 05 29 00-0595	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.05
23 05 29 00-0596	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0597	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.98	
23 05 29 00-0598	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.56	
23 05 29 00-0599	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.21	
23 05 29 00-0600	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.92	
23 05 29 00-0601	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	5.95	
23 05 29 00-0602	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.53	
23 05 29 00-0603	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.86	
23 05 29 00-0604	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.86	
23 05 29 00-0605	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.89	
23 05 29 00-0606	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.53	
23 05 29 00-0607	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.60	
23 05 29 00-0608	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.70	
23 05 29 00-0609	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	8.28	
23 05 29 00-0610	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.44	
23 05 29 00-0611	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.80	
23 05 29 00-0612	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.54	
23 05 29 00-0613	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.67	
23 05 29 00-0614	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.15	
23 05 29 00-0615	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.54	
23 05 29 00-0616	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	12.38	
23 05 29 00-0617	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.60	
23 05 29 00-0618	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.44	
23 05 29 00-0619	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.71	
23 05 29 00-0620	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.51	
23 05 29 00-0621	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.73	
23 05 29 00-0622	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	15.42	

23 05 29 00-0623 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0624 Rooftop Support Base *(23 05 29 00-0623)*

23 05 29 00-0625	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	39.05	9.75
23 05 29 00-0626	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	54.21	12.99

23 05 29 00-0627 Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0623)*

23 05 29 00-0628	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	43.92	9.75
23 05 29 00-0629	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	62.12	12.99
23 05 29 00-0630	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	112.07	16.24
23 05 29 00-0631	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	153.88	19.49
23 05 29 00-0632	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	211.65	22.74
23 05 29 00-0633	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	223.90	25.99

23 05 29 00-0634 Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0623)*

23 05 29 00-0635	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	75.05	12.99
23 05 29 00-0636	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	117.84	16.24
23 05 29 00-0637	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	156.20	19.49
23 05 29 00-0638	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	211.78	22.74
23 05 29 00-0639	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	236.18	19.49

23 05 29 00-0640 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0623)*

23 05 29 00-0641	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	124.93	19.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0642	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	142.47	22.74
23 05 29 00-0643	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	148.93	25.99
23 05 29 00-0644	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	163.28	29.24
23 05 29 00-0645	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	207.29	32.49
23 05 29 00-0646		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0623)*		
23 05 29 00-0647	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	90.37	12.99
23 05 29 00-0648	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	90.37	12.99
23 05 29 00-0649	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	90.85	12.99
23 05 29 00-0650	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	97.85	16.24
23 05 29 00-0651	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	94.31	16.24
23 05 29 00-0652	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	98.85	16.24
23 05 29 00-0653		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0623)*		
23 05 29 00-0654	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	113.54	12.99
23 05 29 00-0655	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	126.24	12.99
23 05 29 00-0656	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	165.22	16.24
23 05 29 00-0657	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	217.15	16.24
23 05 29 00-0658	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	294.28	16.24
23 05 29 00-0659		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0623)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0660	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	142.53	19.49
23 05 29 00-0661		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0623)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0662	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	94.54	16.24
23 05 29 00-0663	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	128.01	19.49
23 05 29 00-0664	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	143.06	22.74
23 05 29 00-0665		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0623)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0666	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	336.36	25.99
23 05 29 00-0667	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	340.02	25.99
23 05 29 00-0668	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	352.84	25.99
23 05 29 00-0669	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	382.27	25.99
23 05 29 00-0670	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	329.83	25.99
23 05 29 00-0671	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	342.10	25.99
23 05 29 00-0672	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	354.93	25.99
23 05 29 00-0673	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	384.35	25.99
23 05 29 00-0674	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	344.42	25.99
23 05 29 00-0675	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	348.70	25.99
23 05 29 00-0676	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	361.27	25.99
23 05 29 00-0677	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	390.83	25.99
23 05 29 00-0678	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	359.32	25.99
23 05 29 00-0679	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	363.22	25.99
23 05 29 00-0680	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	375.80	25.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0681	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	405.35	25.99

23 05 29 00-0682 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0683 Threaded Rod And Rod Accessories *(23 05 29 00-0682)*

23 05 29 00-0684 Threaded Rod *(23 05 29 00-0683)*

Note: Fully threaded.

23 05 29 00-0685	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.36	0.81
		For Work In Restricted Working Space, Add	*0.49*	
		For Galvanized, Add	*0.70*	
		For Zinc Plated, Add	*0.50*	
23 05 29 00-0686	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.50	0.88
		For Work In Restricted Working Space, Add	*0.52*	
		For Galvanized, Add	*1.11*	
		For Zinc Plated, Add	*0.79*	
23 05 29 00-0687	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.09	0.90
		For Work In Restricted Working Space, Add	*0.54*	
		For Galvanized, Add	*1.72*	
		For Zinc Plated, Add	*1.23*	
23 05 29 00-0688	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.65	0.93
		For Work In Restricted Working Space, Add	*0.55*	
		For Galvanized, Add	*3.12*	
		For Zinc Plated, Add	*2.23*	
23 05 29 00-0689	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.49	0.96
		For Work In Restricted Working Space, Add	*0.57*	
		For Galvanized, Add	*3.43*	
		For Zinc Plated, Add	*2.45*	
23 05 29 00-0690	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	14.20	1.08
		For Work In Restricted Working Space, Add	*0.65*	
		For Galvanized, Add	*4.82*	
		For Zinc Plated, Add	*3.43*	
23 05 29 00-0691	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.60	1.20
		For Work In Restricted Working Space, Add	*0.72*	
		For Galvanized, Add	*6.08*	
		For Zinc Plated, Add	*4.33*	

23 05 29 00-0692 Rod Couplings *(23 05 29 00-0683)*

23 05 29 00-0693	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.84	
		For Work In Restricted Working Space, Add	*2.39*	
23 05 29 00-0694	EA	1/2" Diameter, Threaded Rod Coupling Nut	11.20	
		For Work In Restricted Working Space, Add	*2.66*	
23 05 29 00-0695	EA	5/8" Diameter, Threaded Rod Coupling Nut	14.13	
		For Work In Restricted Working Space, Add	*2.99*	
23 05 29 00-0696	EA	3/4" Diameter, Threaded Rod Coupling Nut	17.38	
		For Work In Restricted Working Space, Add	*3.27*	
23 05 29 00-0697	EA	7/8" Diameter, Threaded Rod Coupling Nut	25.92	
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0698	EA	1" Diameter, Threaded Rod Coupling Nut	30.77	
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0699	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	60.12	
		For Work In Restricted Working Space, Add	*4.79*	

23 05 29 00-0700 Flat Washers *(23 05 29 00-0683)*

Note: Zinc plated.

23 05 29 00-0701	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.70	0.26
		For Work In Restricted Working Space, Add	*0.16*	
		For Galvanized, Add	*0.04*	
23 05 29 00-0702	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	0.26
		For Work In Restricted Working Space, Add	*0.18*	
		For Galvanized, Add	*0.09*	
23 05 29 00-0703	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.40	0.39
		For Work In Restricted Working Space, Add	*0.22*	
		For Galvanized, Add	*0.17*	
23 05 29 00-0704	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.91	0.39
		For Work In Restricted Working Space, Add	*0.28*	
		For Galvanized, Add	*0.25*	
23 05 29 00-0705	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.26	0.52
		For Work In Restricted Working Space, Add	*0.33*	
		For Galvanized, Add	*0.29*	
23 05 29 00-0706	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.64	0.52
		For Work In Restricted Working Space, Add	*0.36*	
		For Galvanized, Add	*0.36*	
23 05 29 00-0707	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.98	0.65
		For Work In Restricted Working Space, Add	*0.41*	
		For Galvanized, Add	*0.41*	

23 05 29 00-0708 Hex Nuts *(23 05 29 00-0683)*

Note: Grade 2 and zinc plated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0709	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.87	0.32
		For Work In Restricted Working Space, Add	*0.22*	
		For Galvanized, Add	*0.04*	
23 05 29 00-0710	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.12	0.32
		For Work In Restricted Working Space, Add	*0.25*	
		For Galvanized, Add	*0.08*	
23 05 29 00-0711	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.54	0.32
		For Work In Restricted Working Space, Add	*0.26*	
		For Galvanized, Add	*0.17*	
23 05 29 00-0712	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.83	0.65
		For Work In Restricted Working Space, Add	*0.27*	
		For Galvanized, Add	*0.23*	
23 05 29 00-0713	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.69	0.65
		For Work In Restricted Working Space, Add	*0.29*	
		For Galvanized, Add	*0.43*	
23 05 29 00-0714	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.43	0.65
		For Work In Restricted Working Space, Add	*0.33*	
		For Galvanized, Add	*0.59*	
23 05 29 00-0715	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.64	0.65
		For Work In Restricted Working Space, Add	*0.36*	
		For Galvanized, Add	*1.11*	

23 05 29 00-0716 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0683)*

Note: Type 13.

23 05 29 00-0717	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202)	27.70	6.50
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0718	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202)	32.73	7.14
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0719	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202)	35.36	7.80
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0720	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202)	44.17	9.10
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0721	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202)	56.76	9.75
		For Work In Restricted Working Space, Add	*6.50*	
23 05 29 00-0722	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202)	70.30	10.40
		For Work In Restricted Working Space, Add	*7.80*	
23 05 29 00-0723	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202)	96.90	11.70
		For Work In Restricted Working Space, Add	*9.75*	

23 05 29 00-0724 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0683)*

Note: Type 15.

23 05 29 00-0725	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	18.40	6.50
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0726	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	21.19	7.27
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0727	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	27.57	8.06
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0728	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	33.14	9.23
		For Work In Restricted Working Space, Add	*5.57*	

23 05 29 00-0729 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0683)*

Note: Type 14.

23 05 29 00-0730	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201)	88.84	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0731	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)	129.23	12.56
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0732	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)	139.66	13.17
		For Work In Restricted Working Space, Add	*7.97*	
23 05 29 00-0733	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)	145.52	14.35
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0734	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)	153.57	16.16
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0735	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)	253.87	20.94
		For Work In Restricted Working Space, Add	*12.56*	
23 05 29 00-0736	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)	275.98	23.93
		For Work In Restricted Working Space, Add	*14.36*	
23 05 29 00-0737	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)	325.96	29.92
		For Work In Restricted Working Space, Add	*17.95*	

23 05 29 00-0738 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0683)*

23 05 29 00-0739	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	27.76	7.01
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0740	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	28.62	7.14
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0741	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	29.47	7.27
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0742	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	29.74	7.41
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0743	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	31.46	7.67
		For Work In Restricted Working Space, Add	*4.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0744	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	33.48	8.19
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0745	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	34.88	8.57
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0746	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	37.48	8.96
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0747	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	39.47	9.36
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0748	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	41.48	9.75
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0749	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	36.37	7.80
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0750	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	37.24	7.93
		For Work In Restricted Working Space, Add	*4.76*	
23 05 29 00-0751	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	38.14	8.06
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0752	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	39.03	8.19
		For Work In Restricted Working Space, Add	*4.94*	
23 05 29 00-0753	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	40.79	8.44
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0754	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	44.02	8.97
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0755	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	46.68	9.36
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0756	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	49.92	9.75
		For Work In Restricted Working Space, Add	*5.89*	
23 05 29 00-0757	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	52.54	10.27
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0758	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	55.21	10.66
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0759	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	48.33	8.71
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0760	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	49.80	8.84
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0761	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	51.31	8.97
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0762	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	52.20	9.23
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0763	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	54.58	9.49
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0764	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	58.45	9.88
		For Work In Restricted Working Space, Add	*5.95*	
23 05 29 00-0765	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	62.31	10.40
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0766	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	65.58	10.79
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0767	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	69.45	11.31
		For Work In Restricted Working Space, Add	*6.76*	
23 05 29 00-0768	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	73.30	11.70
		For Work In Restricted Working Space, Add	*7.03*	
23 05 29 00-0769	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	59.02	9.88
		For Work In Restricted Working Space, Add	*5.95*	
23 05 29 00-0770	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	61.11	10.00
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0771	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	62.60	10.27
		For Work In Restricted Working Space, Add	*6.13*	
23 05 29 00-0772	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	64.69	10.40
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0773	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	68.28	10.66
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0774	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	73.34	11.18
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0775	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	78.42	11.56
		For Work In Restricted Working Space, Add	*6.96*	
23 05 29 00-0776	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	84.11	12.09
		For Work In Restricted Working Space, Add	*7.24*	
23 05 29 00-0777	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	89.77	12.48
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0778	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	94.85	12.99
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0779	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	70.50	11.44
		For Work In Restricted Working Space, Add	*6.90*	
23 05 29 00-0780	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	73.19	11.70
		For Work In Restricted Working Space, Add	*6.99*	
23 05 29 00-0781	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	75.30	11.83
		For Work In Restricted Working Space, Add	*7.09*	
23 05 29 00-0782	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	77.39	11.96
		For Work In Restricted Working Space, Add	*7.19*	
23 05 29 00-0783	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	81.62	12.35
		For Work In Restricted Working Space, Add	*7.38*	
23 05 29 00-0784	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	88.50	12.74
		For Work In Restricted Working Space, Add	*7.67*	
23 05 29 00-0785	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	94.81	13.26
		For Work In Restricted Working Space, Add	*7.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0786	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	101.70	13.78
		For Work In Restricted Working Space, Add	*8.24*	
23 05 29 00-0787	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	108.01	14.17
		For Work In Restricted Working Space, Add	*8.53*	
23 05 29 00-0788	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	114.32	14.68
		For Work In Restricted Working Space, Add	*8.82*	
23 05 29 00-0789	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	88.01	13.78
		For Work In Restricted Working Space, Add	*8.23*	
23 05 29 00-0790	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	90.75	13.91
		For Work In Restricted Working Space, Add	*8.34*	
23 05 29 00-0791	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	93.50	14.04
		For Work In Restricted Working Space, Add	*8.45*	
23 05 29 00-0792	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	96.23	14.30
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0793	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	101.68	14.68
		For Work In Restricted Working Space, Add	*8.78*	
23 05 29 00-0794	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	109.90	15.21
		For Work In Restricted Working Space, Add	*9.10*	
23 05 29 00-0795	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	118.13	15.73
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0796	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	126.90	16.24
		For Work In Restricted Working Space, Add	*9.75*	
23 05 29 00-0797	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	135.11	16.77
		For Work In Restricted Working Space, Add	*10.07*	
23 05 29 00-0798	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	143.33	17.29
		For Work In Restricted Working Space, Add	*10.40*	

23 05 29 00-0799 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0683)*

23 05 29 00-0800	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	55.85	9.49
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0801	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	57.36	9.75
		For Work In Restricted Working Space, Add	*5.88*	
23 05 29 00-0802	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	58.88	10.13
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0803	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	59.70	10.52
		For Work In Restricted Working Space, Add	*6.29*	
23 05 29 00-0804	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	62.46	10.92
		For Work In Restricted Working Space, Add	*6.53*	
23 05 29 00-0805	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	66.11	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 05 29 00-0806	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	68.69	12.48
		For Work In Restricted Working Space, Add	*7.50*	
23 05 29 00-0807	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	73.31	13.38
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0808	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	71.42	10.53
		For Work In Restricted Working Space, Add	*6.32*	
23 05 29 00-0809	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	72.97	10.79
		For Work In Restricted Working Space, Add	*6.49*	
23 05 29 00-0810	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	74.57	11.05
		For Work In Restricted Working Space, Add	*6.66*	
23 05 29 00-0811	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	76.43	11.56
		For Work In Restricted Working Space, Add	*6.93*	
23 05 29 00-0812	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	79.25	11.96
		For Work In Restricted Working Space, Add	*7.18*	
23 05 29 00-0813	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	84.95	12.87
		For Work In Restricted Working Space, Add	*7.70*	
23 05 29 00-0814	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	89.65	13.65
		For Work In Restricted Working Space, Add	*8.22*	
23 05 29 00-0815	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	95.35	14.55
		For Work In Restricted Working Space, Add	*8.74*	
23 05 29 00-0816	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	94.61	11.70
		For Work In Restricted Working Space, Add	*7.05*	
23 05 29 00-0817	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	97.18	12.09
		For Work In Restricted Working Space, Add	*7.24*	
23 05 29 00-0818	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	99.77	12.35
		For Work In Restricted Working Space, Add	*7.41*	
23 05 29 00-0819	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	101.67	12.87
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0820	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	105.52	13.26
		For Work In Restricted Working Space, Add	*7.95*	
23 05 29 00-0821	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	112.28	14.17
		For Work In Restricted Working Space, Add	*8.49*	
23 05 29 00-0822	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	119.00	15.08
		For Work In Restricted Working Space, Add	*9.03*	
23 05 29 00-0823	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	124.76	15.99
		For Work In Restricted Working Space, Add	*9.57*	
23 05 29 00-0824	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	118.98	13.26
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0825	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	122.61	13.65
		For Work In Restricted Working Space, Add	*8.18*	
23 05 29 00-0826	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	125.19	13.91
		For Work In Restricted Working Space, Add	*8.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0827	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	129.07	14.43
		For Work In Restricted Working Space, Add	*8.63*	
23 05 29 00-0828	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	134.94	14.82
		For Work In Restricted Working Space, Add	*8.91*	
23 05 29 00-0829	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	143.69	15.73
		For Work In Restricted Working Space, Add	*9.46*	
23 05 29 00-0830	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	152.48	16.64
		For Work In Restricted Working Space, Add	*10.02*	
23 05 29 00-0831	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	162.26	17.67
		For Work In Restricted Working Space, Add	*10.57*	
23 05 29 00-0832	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	142.67	15.34
		For Work In Restricted Working Space, Add	*9.23*	
23 05 29 00-0833	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	147.29	15.73
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0834	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	150.90	15.99
		For Work In Restricted Working Space, Add	*9.62*	
23 05 29 00-0835	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	154.82	16.51
		For Work In Restricted Working Space, Add	*9.91*	
23 05 29 00-0836	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	161.74	17.03
		For Work In Restricted Working Space, Add	*10.20*	
23 05 29 00-0837	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	173.55	17.94
		For Work In Restricted Working Space, Add	*10.77*	
23 05 29 00-0838	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	184.38	18.98
		For Work In Restricted Working Space, Add	*11.35*	
23 05 29 00-0839	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	196.19	19.89
		For Work In Restricted Working Space, Add	*11.93*	
23 05 29 00-0840	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	181.22	18.33
		For Work In Restricted Working Space, Add	*11.01*	
23 05 29 00-0841	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	185.90	18.72
		For Work In Restricted Working Space, Add	*11.22*	
23 05 29 00-0842	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	190.59	19.10
		For Work In Restricted Working Space, Add	*11.44*	
23 05 29 00-0843	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	195.63	19.63
		For Work In Restricted Working Space, Add	*11.76*	
23 05 29 00-0844	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	204.60	20.15
		For Work In Restricted Working Space, Add	*12.09*	
23 05 29 00-0845	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	218.66	21.19
		For Work In Restricted Working Space, Add	*12.74*	
23 05 29 00-0846	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	232.74	22.35
		For Work In Restricted Working Space, Add	*13.39*	
23 05 29 00-0847	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	247.69	23.40
		For Work In Restricted Working Space, Add	*14.04*	

23 05 29 00-0848 Attachments *(23 05 29 00-0682)*

23 05 29 00-0849 Welded Beam Attachments (Cooper B-Line B-3083) *(23 05 29 00-0848)*

Note: Type 22.

23 05 29 00-0850	EA	3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	67.35	12.13
		For Work In Restricted Working Space, Add	*7.27*	
23 05 29 00-0851	EA	1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	72.02	12.73
		For Work In Restricted Working Space, Add	*7.66*	
23 05 29 00-0852	EA	5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	76.78	13.46
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0853	EA	3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	100.72	14.31
		For Work In Restricted Working Space, Add	*8.56*	
23 05 29 00-0854	EA	7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	122.68	15.16
		For Work In Restricted Working Space, Add	*9.10*	
23 05 29 00-0855	EA	1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	175.66	17.34
		For Work In Restricted Working Space, Add	*10.40*	
23 05 29 00-0856	EA	1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	254.71	18.19
		For Work In Restricted Working Space, Add	*10.91*	

23 05 29 00-0857 C-Clamp Style Beam Clamps (Cooper B-Line B-3034) *(23 05 29 00-0848)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0858	EA	3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	21.51	6.63
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0859	EA	1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	26.46	8.44
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0860	EA	5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	30.44	9.10
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0861	EA	3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	40.59	9.75
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0862	EA	7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	61.65	10.40
		For Work In Restricted Working Space, Add	*6.50*	

23 05 29 00-0863 Bottom Mount I-Beam Clamps (Cooper B-Line B-3055) *(23 05 29 00-0848)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0864	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	67.93	9.10
		For Work In Restricted Working Space, Add	*6.50*	
23 05 29 00-0865	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	102.94	11.70
		For Work In Restricted Working Space, Add	*7.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0866	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	150.01	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 05 29 00-0867	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	180.38	14.30
		For Work In Restricted Working Space, Add	*8.67*	
23 05 29 00-0868	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	450.81	15.60
		For Work In Restricted Working Space, Add	*9.75*	

23 05 29 00-0869 Steel U-Bolts (Cooper B-Line B-3188) *(23 05 29 00-0848)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0870	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	17.62	3.25
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0871	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	19.28	3.89
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0872	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	20.86	3.89
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0873	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	24.14	3.89
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0874	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	24.76	4.55
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0875	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	26.53	4.55
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0876	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	40.60	4.55
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0877	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	44.94	5.20
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0878	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	55.22	5.85
		For Work In Restricted Working Space, Add	*6.50*	

23 05 29 00-0879 Copper Standoff Brackets With Flange *(23 05 29 00-0848)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0880	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	38.82	18.59
		For Work In Restricted Working Space, Add	*11.14*	
23 05 29 00-0881	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	38.93	18.59
		For Work In Restricted Working Space, Add	*11.14*	
23 05 29 00-0882	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	39.03	18.59
		For Work In Restricted Working Space, Add	*11.14*	
23 05 29 00-0883	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	41.48	19.76
		For Work In Restricted Working Space, Add	*11.82*	
23 05 29 00-0884	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	41.69	19.76
		For Work In Restricted Working Space, Add	*11.82*	

23 05 29 00-0885 Malleable Iron Eye Sockets (Cooper B-Line B-3222) *(23 05 29 00-0848)*

Note: Type 16.

23 05 29 00-0886	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	15.60	1.95
		For Work In Restricted Working Space, Add	*1.18*	
23 05 29 00-0887	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	19.84	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0888	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	35.31	2.60
		For Work In Restricted Working Space, Add	*1.58*	
23 05 29 00-0889	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	50.50	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0890	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	54.24	3.25
		For Work In Restricted Working Space, Add	*1.95*	

23 05 29 00-0891 Steel Weldless Eye Nuts (Cooper B-Line B-3200) *(23 05 29 00-0848)*

Note: Type 17.

23 05 29 00-0892	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	53.77	1.95
		For Work In Restricted Working Space, Add	*1.18*	
23 05 29 00-0893	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	55.03	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0894	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	55.08	2.60
		For Work In Restricted Working Space, Add	*1.58*	
23 05 29 00-0895	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	55.03	2.60
		For Work In Restricted Working Space, Add	*1.56*	
23 05 29 00-0896	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	108.69	2.86
		For Work In Restricted Working Space, Add	*1.76*	
23 05 29 00-0897	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	109.34	3.25
		For Work In Restricted Working Space, Add	*1.95*	

23 05 29 00-0898 Top Mount I-Beam Clamps (Cooper B-Line B-3042) *(23 05 29 00-0848)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0899	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	33.29	6.06
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0900	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	40.46	6.67
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0901	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	49.52	7.27
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0902	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	69.65	7.89
		For Work In Restricted Working Space, Add	*4.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0903	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	108.76	9.09
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-0904	EA	3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	35.25	6.06
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0905	EA	1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	43.23	6.67
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0906	EA	5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	49.52	7.27
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0907	EA	3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	76.96	7.89
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0908	EA	7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	121.24	9.09
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-0909	EA	3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	39.82	6.06
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0910	EA	1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	48.37	6.67
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0911	EA	5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	61.56	7.27
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0912	EA	3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	90.62	7.89
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0913	EA	7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	147.95	9.09
		For Work In Restricted Working Space, Add	*5.46*	

23 05 29 00-0914 Side Beam Brackets (Cooper B-Line B-3062) *(23 05 29 00-0848)*

Note: Type 34.

23 05 29 00-0915	EA	3/8" Diameter Rod Size, Side Beam Bracket	24.76	8.44
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0916	EA	1/2" Diameter Rod Size, Side Beam Bracket	29.97	8.44
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0917	EA	5/8" Diameter Rod Size, Side Beam Bracket	40.14	9.10
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0918	EA	3/4" Diameter Rod Size, Side Beam Bracket	75.78	9.75
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0919	EA	7/8" Diameter Rod Size, Side Beam Bracket	89.31	11.05
		For Work In Restricted Working Space, Add	*6.50*	

23 05 29 00-0920 Hex Lag Bolts *(23 05 29 00-0848)*

Note: Also known as coach screws.

23 05 29 00-0921	EA	3/8" Diameter x 3-1/2" Long, Hex Lag Bolt	3.30	
		For Work In Restricted Working Space, Add	*0.81*	
23 05 29 00-0922	EA	3/8" Diameter x 4" Long, Hex Lag Bolt	3.67	
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0923	EA	3/8" Diameter x 6" Long, Hex Lag Bolt	4.16	
		For Work In Restricted Working Space, Add	*0.87*	
23 05 29 00-0924	EA	3/8" Diameter x 8" Long, Hex Lag Bolt	5.06	
		For Work In Restricted Working Space, Add	*0.90*	
23 05 29 00-0925	EA	3/8" Diameter x 10" Long, Hex Lag Bolt	5.40	
		For Work In Restricted Working Space, Add	*0.94*	
23 05 29 00-0926	EA	3/8" Diameter x 12" Long, Hex Lag Bolt	5.62	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0927	EA	1/2" Diameter x 3-1/2" Long, Hex Lag Bolt	4.38	
		For Work In Restricted Working Space, Add	*0.98*	
23 05 29 00-0928	EA	1/2" Diameter x 4" Long, Hex Lag Bolt	5.06	
		For Work In Restricted Working Space, Add	*1.01*	
23 05 29 00-0929	EA	1/2" Diameter x 6" Long, Hex Lag Bolt	5.93	
		For Work In Restricted Working Space, Add	*1.06*	
23 05 29 00-0930	EA	1/2" Diameter x 8" Long, Hex Lag Bolt	6.93	
		For Work In Restricted Working Space, Add	*1.11*	
23 05 29 00-0931	EA	1/2" Diameter x 10" Long, Hex Lag Bolt	8.21	
		For Work In Restricted Working Space, Add	*1.16*	
23 05 29 00-0932	EA	1/2" Diameter x 12" Long, Hex Lag Bolt	8.82	
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0933	EA	5/8" Diameter x 4" Long, Hex Lag Bolt	5.81	
		For Work In Restricted Working Space, Add	*1.08*	
23 05 29 00-0934	EA	3/4" Diameter x 5" Long, Hex Lag Bolt	6.66	
		For Work In Restricted Working Space, Add	*1.11*	

23 05 29 00-0935 Fiberglass Beam Clamp *(23 05 29 00-0848)*

23 05 29 00-0936	EA	3/8" Diameter Size, Fiberglass Beam Clamp Assembly (Cooper B-Line BFV751J)	250.85	12.99
23 05 29 00-0937	EA	1/2" Diameter Size, Fiberglass Beam Clamp Assembly (Cooper B-Line BFV751J)	255.09	12.99
23 05 29 00-0938	EA	5/8" Diameter Size, Fiberglass Beam Clamp Assembly (Cooper B-Line BFV751J)	273.33	12.99

23 05 29 00-0939 Stainless Steel Threaded Rod And Rod Accessories *(23 05 29 00-0682)*

23 05 29 00-0940 304 Stainless Steel Threaded Rod *(23 05 29 00-0939)*

23 05 29 00-0941	LF	1/4" Diameter, 304 Stainless Steel Threaded Rod	4.22	0.65
		For Work In Restricted Working Space, Add	*0.39*	
23 05 29 00-0942	LF	5/16" Diameter, 304 Stainless Steel Threaded Rod	6.40	0.65
		For Work In Restricted Working Space, Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0943	LF	3/8" Diameter, 304 Stainless Steel Threaded Rod	8.13	0.77
		For Work In Restricted Working Space, Add	*0.44*	
23 05 29 00-0944	LF	7/16" Diameter, 304 Stainless Steel Threaded Rod	11.45	0.77
		For Work In Restricted Working Space, Add	*0.47*	
23 05 29 00-0945	LF	1/2" Diameter, 304 Stainless Steel Threaded Rod	13.81	0.77
		For Work In Restricted Working Space, Add	*0.49*	
23 05 29 00-0946	LF	5/8" Diameter, 304 Stainless Steel Threaded Rod	20.92	0.91
		For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0947	LF	3/4" Diameter, 304 Stainless Steel Threaded Rod	29.45	0.91
		For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0948	LF	7/8" Diameter, 304 Stainless Steel Threaded Rod	40.66	0.91
		For Work In Restricted Working Space, Add	*0.57*	
23 05 29 00-0949	LF	1" Diameter, 304 Stainless Steel Threaded Rod	52.19	1.04
		For Work In Restricted Working Space, Add	*0.65*	
23 05 29 00-0950	LF	1-1/4" Diameter, 304 Stainless Steel Threaded Rod	110.72	1.30
		For Work In Restricted Working Space, Add	*0.81*	

23 05 29 00-0951 304 Stainless Steel Flat Washers *(23 05 29 00-0939)*

23 05 29 00-0952	EA	3/8" Diameter, 304 Stainless Steel Flat Washer	0.88	0.26
		For Work In Restricted Working Space, Add	*0.16*	
23 05 29 00-0953	EA	1/2" Diameter, 304 Stainless Steel Flat Washer	1.77	0.26
		For Work In Restricted Working Space, Add	*0.18*	

23 05 29 00-0954 304 Stainless Steel Hex Nuts *(23 05 29 00-0939)*

23 05 29 00-0955	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	2.96	1.30
		For Work In Restricted Working Space, Add	*0.75*	
23 05 29 00-0956	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	3.89	1.30
		For Work In Restricted Working Space, Add	*0.81*	

23 05 29 00-0957 316 Stainless Steel U-Bolts *(23 05 29 00-0939)*

Note: Type 24. Includes nuts.

23 05 29 00-0958	EA	1/2" Diameter Size, 316 Stainless Steel U-Bolt	30.54	6.50
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0959	EA	3/4" Diameter Size, 316 Stainless Steel U-Bolt	31.53	6.88
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0960	EA	1" Diameter Size, 316 Stainless Steel U-Bolt	32.82	7.27
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-0961	EA	1-1/4" Diameter Size, 316 Stainless Steel U-Bolt	34.22	7.67
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0962	EA	1-1/2" Diameter Size, 316 Stainless Steel U-Bolt	35.75	8.06
		For Work In Restricted Working Space, Add	*4.87*	
23 05 29 00-0963	EA	2" Diameter Size, 316 Stainless Steel U-Bolt	44.38	8.70
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0964	EA	2-1/2" Diameter Size, 316 Stainless Steel U-Bolt	47.48	9.23
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0965	EA	3" Diameter Size, 316 Stainless Steel U-Bolt	50.95	10.00
		For Work In Restricted Working Space, Add	*6.00*	
23 05 29 00-0966	EA	3-1/2" Diameter Size, 316 Stainless Steel U-Bolt	53.50	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 05 29 00-0967	EA	4" Diameter Size, 316 Stainless Steel U-Bolt	56.47	10.79
		For Work In Restricted Working Space, Add	*6.50*	
23 05 29 00-0968	EA	5" Diameter Size, 316 Stainless Steel U-Bolt	98.99	11.18
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0969	EA	6" Diameter Size, 316 Stainless Steel U-Bolt	165.07	11.31
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0970	EA	8" Diameter Size, 316 Stainless Steel U-Bolt	247.07	11.56
		For Work In Restricted Working Space, Add	*6.96*	
23 05 29 00-0971	EA	10" Diameter Size, 316 Stainless Steel U-Bolt	352.70	11.95
		For Work In Restricted Working Space, Add	*7.17*	
23 05 29 00-0972	EA	12" Diameter Size, 316 Stainless Steel U-Bolt	546.11	12.35
		For Work In Restricted Working Space, Add	*7.38*	

23 05 29 00-0973 Hanger Strap *(23 05 29 00-0682)*

23 05 29 00-0974	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	6.27	

23 05 29 00-0975 Shields And Saddles *(23 05 29)*

23 05 29 00-0976 Insulation Protection Shield *(23 05 29 00-0975)*

Note: Type 40.

23 05 29 00-0977 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0976)*

23 05 29 00-0978	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.51	3.12
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0979	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.75	3.16
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0980	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.13	3.20
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0981	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.85	3.24
		For Work In Restricted Working Space, Add	*3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0982	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.55	3.31
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0983	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	23.37	3.39
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0984	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	26.81	3.47
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0985	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	32.26	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0986	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	40.70	3.58
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0987	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	44.12	3.62
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0988	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	59.74	3.66
		For Work In Restricted Working Space, Add	*3.67*	
23 05 29 00-0989	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	66.81	3.70
		For Work In Restricted Working Space, Add	*3.71*	
23 05 29 00-0990	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	121.60	3.74
		For Work In Restricted Working Space, Add	*3.74*	
23 05 29 00-0991	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	131.99	3.82
		For Work In Restricted Working Space, Add	*3.82*	
23 05 29 00-0992	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	158.98	3.90
		For Work In Restricted Working Space, Add	*3.90*	
23 05 29 00-0993		**Insulation Protection Shield (Cooper B-Line B3154)** *(23 05 29 00-0976)*		
23 05 29 00-0994	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.83	3.12
		For Work In Restricted Working Space, Add	*3.12*	
23 05 29 00-0995	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.04	3.16
		For Work In Restricted Working Space, Add	*3.16*	
23 05 29 00-0996	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.35	3.20
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0997	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.91	3.24
		For Work In Restricted Working Space, Add	*3.24*	
23 05 29 00-0998	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	17.21	3.31
		For Work In Restricted Working Space, Add	*3.32*	
23 05 29 00-0999	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	20.05	3.39
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-1000	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	21.41	3.47
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-1001	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	26.65	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-1002	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	31.48	3.58
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-1003		**Pipe Covering Protection Saddle** *(23 05 29 00-0975)*		
		Note: Sizes are pipe sizes.		
23 05 29 00-1004		**Saddle, For 1" Insulation (Cooper B-Line B3160)** *(23 05 29 00-1003)*		
23 05 29 00-1005	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.98	4.30
		For Work In Restricted Working Space, Add	*4.29*	
23 05 29 00-1006	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.10	4.33
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-1007	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.22	4.37
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-1008	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.36	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-1009	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.49	4.48
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-1010	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.31	4.55
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-1011	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	30.08	4.62
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-1012	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	33.42	4.69
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-1013	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	37.28	4.84
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-1014	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	44.79	5.02
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-1015	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	49.72	5.09
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-1016	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	58.36	5.09
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-1017	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	63.45	5.27
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-1018		**Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)** *(23 05 29 00-1003)*		
23 05 29 00-1019	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.82	4.30
		For Work In Restricted Working Space, Add	*4.29*	
23 05 29 00-1020	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.94	4.33
		For Work In Restricted Working Space, Add	*4.33*	
23 05 29 00-1021	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	28.06	4.37
		For Work In Restricted Working Space, Add	*4.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1022	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.01	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-1023	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	31.12	4.48
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-1024	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.33	4.55
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-1025	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.90	4.62
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-1026	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	38.12	4.62
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-1027	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	42.59	4.84
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-1028	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	50.00	5.02
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-1029	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	55.87	5.09
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-1030	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	65.95	5.20
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-1031	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	71.97	5.27
		For Work In Restricted Working Space, Add	*5.28*	

23 05 29 00-1032 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-1003)*

23 05 29 00-1033	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.72	4.51
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-1034	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	29.84	4.55
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-1035	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.29	4.58
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-1036	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.20	4.65
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-1037	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.98	4.69
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-1038	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.23	4.77
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-1039	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.00	4.85
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-1040	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	36.77	4.93
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-1041	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	46.16	5.08
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-1042	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	52.03	5.27
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-1043	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	54.50	5.35
		For Work In Restricted Working Space, Add	*5.35*	
23 05 29 00-1044	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	72.49	5.46
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-1045	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	79.97	5.54
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-1046	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	87.69	5.67
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-1047	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	95.41	5.83
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-1048	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	104.38	5.97
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-1049	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	119.10	6.11
		For Work In Restricted Working Space, Add	*6.11*	

23 05 29 00-1050 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-1003)*

23 05 29 00-1051	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.08	4.69
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-1052	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.81	4.76
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-1053	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.68	4.82
		For Work In Restricted Working Space, Add	*4.80*	
23 05 29 00-1054	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	36.67	4.89
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-1055	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.03	4.97
		For Work In Restricted Working Space, Add	*4.98*	
23 05 29 00-1056	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	42.62	5.04
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-1057	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	48.45	5.20
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-1058	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	56.06	5.40
		For Work In Restricted Working Space, Add	*5.39*	
23 05 29 00-1059	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	59.92	5.48
		For Work In Restricted Working Space, Add	*5.49*	
23 05 29 00-1060	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	74.37	5.59
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-1061	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	87.75	5.67
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-1062	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	101.38	5.81
		For Work In Restricted Working Space, Add	*5.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1063	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	107.57	5.96
		For Work In Restricted Working Space, Add	*5.97*	
23 05 29 00-1064	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	114.45	6.11
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-1065	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	121.33	6.25
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-1066		**Saddle, For 3" Insulation (Cooper B-Line B3164)** *(23 05 29 00-1003)*		
23 05 29 00-1067	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	36.89	4.93
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-1068	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.06	5.01
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-1069	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	41.72	5.08
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-1070	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	43.37	5.16
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-1071	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	49.49	5.33
		For Work In Restricted Working Space, Add	*5.31*	
23 05 29 00-1072	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	61.52	5.52
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-1073	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	66.48	5.60
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-1074	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	85.74	5.72
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-1075	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	101.89	5.81
		For Work In Restricted Working Space, Add	*5.82*	
23 05 29 00-1076	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	118.04	5.94
		For Work In Restricted Working Space, Add	*5.93*	
23 05 29 00-1077	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	120.33	6.10
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-1078	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	122.51	6.24
		For Work In Restricted Working Space, Add	*6.26*	
23 05 29 00-1079	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	154.78	6.41
		For Work In Restricted Working Space, Add	*6.40*	
23 05 29 00-1080		**Saddle, For 4" Insulation (Cooper B-Line B3165)** *(23 05 29 00-1003)*		
23 05 29 00-1081	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	41.33	5.03
		For Work In Restricted Working Space, Add	*5.02*	
23 05 29 00-1082	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	45.09	5.12
		For Work In Restricted Working Space, Add	*5.13*	
23 05 29 00-1083	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.02	5.20
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-1084	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	49.05	5.27
		For Work In Restricted Working Space, Add	*5.28*	
23 05 29 00-1085	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	59.41	5.45
		For Work In Restricted Working Space, Add	*5.46*	
23 05 29 00-1086	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	69.75	5.65
		For Work In Restricted Working Space, Add	*5.64*	
23 05 29 00-1087	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	72.08	5.73
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-1088	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	91.47	5.86
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-1089	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	110.51	5.93
		For Work In Restricted Working Space, Add	*5.93*	
23 05 29 00-1090	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	129.78	6.09
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-1091	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	158.19	6.23
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-1092	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	186.46	6.39
		For Work In Restricted Working Space, Add	*6.40*	
23 05 29 00-1093	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	199.34	6.55
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-1094	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	209.72	6.72
		For Work In Restricted Working Space, Add	*6.73*	
23 05 29 00-1095	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	217.41	6.89
		For Work In Restricted Working Space, Add	*6.88*	
23 05 29 00-1096		**Adjustable Pipe Saddle Support (Cooper B-Line B3096)** *(23 05 29 00-0975)*		
23 05 29 00-1097	EA	2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	92.46	16.24
23 05 29 00-1098	EA	3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	98.51	18.85
23 05 29 00-1099	EA	4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	119.37	21.45
23 05 29 00-1100	EA	5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	124.77	23.40
23 05 29 00-1101	EA	6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	138.47	26.00
23 05 29 00-1102	EA	8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	158.55	32.50
23 05 29 00-1103	EA	10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	207.65	43.54
23 05 29 00-1104	EA	12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	261.01	64.99
23 05 29 00-1105		**Pipe Stanchion Support (Cooper B-Line B3090)** *(23 05 29 00-0975)*		
23 05 29 00-1106	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	112.95	16.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1107	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	117.59	18.85
23 05 29 00-1108	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	126.10	20.15
23 05 29 00-1109	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	129.13	21.45
23 05 29 00-1110	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	136.00	23.40
23 05 29 00-1111	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	144.65	26.00
23 05 29 00-1112	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	183.48	32.50
23 05 29 00-1113	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	247.33	43.54
23 05 29 00-1114	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	326.69	64.99
23 05 29 00-1115		Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0975)*		
23 05 29 00-1116	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	61.01	16.24
23 05 29 00-1117	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	65.65	18.85
23 05 29 00-1118	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	95.98	20.15
23 05 29 00-1119	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	99.01	21.45
23 05 29 00-1120	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	108.69	23.40
23 05 29 00-1121	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	120.52	26.00
23 05 29 00-1122	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	139.26	32.50
23 05 29 00-1123	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	164.54	43.54
23 05 29 00-1124	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	211.78	64.99
23 05 29 00-1125		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0975)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-1126		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1125)*		
23 05 29 00-1127	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.51	8.88
23 05 29 00-1128	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.79	8.88
23 05 29 00-1129	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.87	8.88
23 05 29 00-1130	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.15	8.88
23 05 29 00-1131	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.55	9.42
23 05 29 00-1132	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.47	9.70
23 05 29 00-1133	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.54	10.11
23 05 29 00-1134	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.69	10.52
23 05 29 00-1135	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.61	10.93
23 05 29 00-1136	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.22	9.42
23 05 29 00-1137	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.94	12.29
23 05 29 00-1138	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.35	14.48
23 05 29 00-1139	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.28	16.81
23 05 29 00-1140	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.52	17.35
23 05 29 00-1141		1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1125)*		
23 05 29 00-1142	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.38	6.70
23 05 29 00-1143	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.79	6.70
23 05 29 00-1144	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.16	6.83
23 05 29 00-1145	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.72	6.97
23 05 29 00-1146	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.24	6.97
23 05 29 00-1147	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.16	7.24
23 05 29 00-1148	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.27	7.51
23 05 29 00-1149	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.86	7.65
23 05 29 00-1150	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.97	8.33
23 05 29 00-1151	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.63	14.34
23 05 29 00-1152	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.12	10.79
23 05 29 00-1153	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.76	12.70
23 05 29 00-1154	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.11	14.61
23 05 29 00-1155	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	52.21	17.62
23 05 29 00-1156		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-1125)*		
23 05 29 00-1157	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.01	7.65
23 05 29 00-1158	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.24	7.65
23 05 29 00-1159	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.92	7.79
23 05 29 00-1160	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.53	7.93
23 05 29 00-1161	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.15	8.06
23 05 29 00-1162	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.07	8.33
23 05 29 00-1163	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.34	8.61
23 05 29 00-1164	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.55	8.88
23 05 29 00-1165	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.14	9.42
23 05 29 00-1166	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.43	10.65
23 05 29 00-1167	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.29	18.17
23 05 29 00-1168	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.89	21.04
23 05 29 00-1169	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.38	24.86
23 05 29 00-1170	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.81	27.87
23 05 29 00-1171	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.03	31.42
23 05 29 00-1172	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	100.13	36.88
23 05 29 00-1173	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.20	40.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1174	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.70	46.45
23 05 29 00-1175		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1125)*		
23 05 29 00-1176	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.24	8.88
23 05 29 00-1177	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.50	8.88
23 05 29 00-1178	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.34	9.01
23 05 29 00-1179	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.95	9.15
23 05 29 00-1180	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.57	9.15
23 05 29 00-1181	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.71	9.57
23 05 29 00-1182	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.15	9.84
23 05 29 00-1183	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.51	10.25
23 05 29 00-1184	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.44	10.79
23 05 29 00-1185	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.40	12.29
23 05 29 00-1186	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.50	13.66
23 05 29 00-1187	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	59.86	15.71
23 05 29 00-1188	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.36	19.53
23 05 29 00-1189	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	77.84	21.44
23 05 29 00-1190	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.30	27.32
23 05 29 00-1191	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.79	28.69
23 05 29 00-1192	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	113.44	32.79
23 05 29 00-1193	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	134.24	39.62
23 05 29 00-1194		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1125)*		
23 05 29 00-1195	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.87	9.15
23 05 29 00-1196	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.03	9.57
23 05 29 00-1197	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	66.50	9.57
23 05 29 00-1198	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	68.10	9.84
23 05 29 00-1199	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.98	10.11
23 05 29 00-1200	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.08	10.25
23 05 29 00-1201	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	75.87	10.52
23 05 29 00-1202	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	79.18	11.20
23 05 29 00-1203	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.21	11.61
23 05 29 00-1204	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	99.77	14.20
23 05 29 00-1205	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	128.66	15.57
23 05 29 00-1206	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	152.97	16.40
23 05 29 00-1207	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	175.78	21.17
23 05 29 00-1208	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	197.80	22.54
23 05 29 00-1209	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	237.25	30.05
23 05 29 00-1210	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	255.38	32.79
23 05 29 00-1211	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	289.18	35.52
23 05 29 00-1212	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	339.77	43.71
23 05 29 00-1213		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1125)*		
23 05 29 00-1214	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.24	8.88
23 05 29 00-1215	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.50	10.79
23 05 29 00-1216	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.65	10.79
23 05 29 00-1217	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.33	10.93
23 05 29 00-1218	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.18	11.06
23 05 29 00-1219	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.38	11.48
23 05 29 00-1220	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.15	11.89
23 05 29 00-1221	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.69	12.29
23 05 29 00-1222	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.36	12.98
23 05 29 00-1223	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.27	14.76
23 05 29 00-1224	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.56	16.40
23 05 29 00-1225	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.84	18.85
23 05 29 00-1226	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.22	23.50
23 05 29 00-1227	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.41	25.68
23 05 29 00-1228	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.97	32.79
23 05 29 00-1229	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	119.75	34.43
23 05 29 00-1230	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	136.19	39.34
23 05 29 00-1231	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	161.10	47.54
23 05 29 00-1232		**4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-1125)*		
23 05 29 00-1233	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.02	12.02
23 05 29 00-1234	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.37	12.02
23 05 29 00-1235	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.53	12.16
23 05 29 00-1236	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.44	12.29
23 05 29 00-1237	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.08	12.29
23 05 29 00-1238	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.18	13.12
23 05 29 00-1239	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.64	13.25
23 05 29 00-1240	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.54	13.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1241	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.50	14.61
23 05 29 00-1242	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.16	16.53
23 05 29 00-1243	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.10	17.89
23 05 29 00-1244	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	80.85	21.31
23 05 29 00-1245	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.65	26.50
23 05 29 00-1246	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	105.12	28.83
23 05 29 00-1247	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	126.04	36.88
23 05 29 00-1248	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	134.64	38.66
23 05 29 00-1249	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	151.69	44.26
23 05 29 00-1250	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	181.27	53.55
23 05 29 00-1251	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	207.75	62.98
23 05 29 00-1252	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	237.75	74.31
23 05 29 00-1253	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	270.87	87.84
23 05 29 00-1254	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	392.59	135.65
23 05 29 00-1255	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	424.42	149.32
23 05 29 00-1256	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	453.29	161.19

23 05 29 00-1257 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.

23 05 29 00-1258 Molded Plastic Condenser Pad *(23 05 29 00-1257)*

23 05 29 00-1259	EA	30" Round Molded Plastic Pad	170.61	16.24
23 05 29 00-1260	EA	30" Octagon Molded Plastic Pad	179.70	16.24
23 05 29 00-1261	EA	30" x 30" Molded Plastic Pad	170.61	16.24
23 05 29 00-1262	EA	36" x 36" Molded Plastic Pad	225.05	16.24
23 05 29 00-1263	EA	36" x 48" Molded Plastic Pad	326.90	16.24

23 05 29 00-1264 Inertia Base *(23 05 29 00-1257)*

Note: Includes spring isolators.

23 05 29 00-1265	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,091.41	
23 05 29 00-1266	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,526.21	
23 05 29 00-1267	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	2,893.52	
23 05 29 00-1268	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,305.83	

23 05 29 00-1269 Hanger Assemblies *(23 05 29)*

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1270	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly	56.22	20.21
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-1271	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly	58.62	21.40
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.72*	
23 05 29 00-1272	EA	1" Standard Duty Clevis Pipe Hanger Assembly	60.55	22.68
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.28*	
23 05 29 00-1273	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly	61.54	22.72
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.50*	
23 05 29 00-1274	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly	61.77	22.72
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.50*	
23 05 29 00-1275	EA	2" Standard Duty Clevis Pipe Hanger Assembly	62.94	22.89
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.71*	
23 05 29 00-1276	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly	71.66	23.74
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.51*	
23 05 29 00-1277	EA	3" Standard Duty Clevis Pipe Hanger Assembly	73.59	24.43
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.73*	
23 05 29 00-1278	EA	4" Standard Duty Clevis Pipe Hanger Assembly	88.61	27.57
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*16.27*	
23 05 29 00-1279	EA	6" Standard Duty Clevis Pipe Hanger Assembly	130.82	35.63
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*21.38*	
23 05 29 00-1280	EA	8" Standard Duty Clevis Pipe Hanger Assembly	149.95	41.33
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*24.80*	
23 05 29 00-1281	EA	10" Standard Duty Clevis Pipe Hanger Assembly	209.94	52.50
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*31.11*	
23 05 29 00-1282	EA	12" Standard Duty Clevis Pipe Hanger Assembly	228.48	56.50
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*33.96*	

23 05 29 00-1283 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1284 Angle Iron For Hanger Devices *(23 05 29 00-1283)*

23 05 29 00-1285	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	3.08	1.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1286	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	4.03	2.36
23 05 29 00-1287	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.96	2.83
23 05 29 00-1288	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.88	3.51
23 05 29 00-1289	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.70	3.77
23 05 29 00-1290	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	10.39	4.24
23 05 29 00-1291	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.95	5.16
23 05 29 00-1292	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	16.83	6.05
23 05 29 00-1293	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	20.11	7.07
23 05 29 00-1294		Channels For Hanger Devices *(23 05 29 00-1283)*		
23 05 29 00-1295	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.80	4.64
23 05 29 00-1296	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.99	6.66
23 05 29 00-1297	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	18.70	8.00
23 05 29 00-1298	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	22.40	9.33
23 05 29 00-1299	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	27.13	11.21
23 05 29 00-1300	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	32.36	13.35
23 05 29 00-1301	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	36.66	14.69
23 05 29 00-1302		Structural Bar Tees For Hanger Devices *(23 05 29 00-1283)*		
23 05 29 00-1303	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.85	6.53
23 05 29 00-1304	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.85	7.71
23 05 29 00-1305	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	16.85	8.90
23 05 29 00-1306	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	21.72	11.86
23 05 29 00-1307	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	29.68	14.23
23 05 29 00-1308	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	37.24	18.39
23 05 29 00-1309		Structural Zees For Hanger Devices *(23 05 29 00-1283)*		
23 05 29 00-1310	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	16.87	8.90
23 05 29 00-1311	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	20.20	8.90
23 05 29 00-1312	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	29.54	8.90
23 05 29 00-1313	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	37.27	8.90
23 05 29 00-1314	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	45.33	8.90
23 05 29 00-1315		Junior I-beams For Hanger Devices *(23 05 29 00-1283)*		
23 05 29 00-1316	LF	3" I-beam (Junior) For Hanger Devices	21.09	13.05
23 05 29 00-1317	LF	4" I-beam (Junior) For Hanger Devices	24.20	14.23
23 05 29 00-1318	LF	5" I-beam (Junior) For Hanger Devices	27.91	15.42
23 05 29 00-1319	LF	6" I-beam (Junior) For Hanger Devices	30.51	17.19
23 05 29 00-1320	LF	7" I-beam (Junior) For Hanger Devices	36.19	18.39
23 05 29 00-1321	LF	8" I-beam (Junior) For Hanger Devices	39.16	19.57

23 05 33 Heat Tracing for HVAC Piping *(23 05)*

See CSI section 23 83 13 00-0000 for heat tracing cables.

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	124.68	36.38
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	133.08	36.38
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	160.95	36.38

23 05 48 13-0005 Housed Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	275.85	36.38
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	307.18	36.38
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	322.85	36.38
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	385.51	36.38
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	401.18	36.38
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	303.26	36.38
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	330.68	36.38
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	350.26	36.38
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	440.34	36.38
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	475.59	36.38
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	557.84	36.38

23 05 48 13-0017 Vibration Isolators *(23 05 48 13)*

23 05 48 13-0018 Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*

23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	170.15	23.40
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	363.00	26.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0021		**Rubber-In-Shear Isolator Hanger** *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	93.12	19.50
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	121.13	23.40
23 05 48 13-0024		**Spring Hanger For 1" Deflection** *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	105.36	23.40
23 05 48 13-0026	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 25-350 Lb.	125.49	23.40
23 05 48 13-0027	EA	2" x 5/8" x 3-3/8" Isolation Spring Hanger (SHE Type), 350-600 Lb.	179.92	23.40
23 05 48 13-0028	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 45-900 Lb.	196.57	23.40
23 05 48 13-0029	EA	2" x 3/4" x 4-5/8" Isolation Spring Hanger (SHE Type), 900-1,500 Lb.	213.21	23.40
23 05 48 13-0030		**Rubber-In-Shear Vibration Isolator** *(23 05 48 13-0017)*		
23 05 48 13-0031	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	193.72	44.20
23 05 48 13-0032	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	268.10	44.20
23 05 48 13-0033	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	523.32	44.20
23 05 48 13-0034		**Two-Piece Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0035	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	162.38	44.20
23 05 48 13-0036	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	167.92	44.20
23 05 48 13-0037		**Open Double Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0038	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	129.13	22.10
23 05 48 13-0039	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	129.13	22.10
23 05 48 13-0040	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	147.61	22.10
23 05 48 13-0041	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	147.61	22.10
23 05 48 13-0042	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	231.16	22.10
23 05 48 13-0043		**Isolation Pads** *(23 05 48 13-0017)*		
23 05 48 13-0044		**Laminated Neoprene And Cork Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0045	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.93	3.25
23 05 48 13-0046	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	10.20	3.38
23 05 48 13-0047	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	12.81	3.51
23 05 48 13-0048	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	51.23	4.03
23 05 48 13-0049	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	98.23	4.55
23 05 48 13-0050		**Neoprene And Steel Plate Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0051	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	102.22	3.25
23 05 48 13-0052	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	112.79	3.25
23 05 48 13-0053		**Neoprene Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0054	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	7.38	3.25
23 05 48 13-0055	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	8.43	3.25
23 05 48 13-0056	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	10.11	3.25
23 05 48 13-0057	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	50.39	3.90
23 05 48 13-0058	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	92.30	4.55
23 05 48 13-0059		**Ribbed Neoprene Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0060	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	7.24	3.25
23 05 48 13-0061	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	8.16	3.38
23 05 48 13-0062	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.64	3.51
23 05 48 13-0063	EA	6" x 6", 3/8" Thick Ribbed Neoprene Isolation Pad	13.13	3.77
23 05 48 13-0064	EA	9" x 9", 3/8" Thick Ribbed Neoprene Isolation Pad	22.69	4.03
23 05 48 13-0065	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	41.80	4.55
23 05 48 13-0066		**Cork And Ribbed Neoprene Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0067	EA	2" x 2", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	7.56	3.25
23 05 48 13-0068	EA	3" x 3", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	9.66	3.38
23 05 48 13-0069	EA	4" x 4", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	12.00	3.51
23 05 48 13-0070	EA	6" x 6", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	16.66	3.77
23 05 48 13-0071	EA	9" x 9", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	30.29	4.03
23 05 48 13-0072	EA	18" x 18", 7/8" Thick Cork And Ribbed Neoprene Isolation Pad	64.51	4.55
23 05 48 13-0073		**Cork, Ribbed Neoprene And Steel Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0074	EA	2" x 2", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	80.90	3.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0075	EA	3" x 3", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	101.78	3.38
23 05 48 13-0076	EA	4" x 4", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	135.28	3.51
23 05 48 13-0077	EA	5" x 5", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	173.28	3.77
23 05 48 13-0078	EA	6" x 6", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	212.58	4.03
23 05 48 13-0079	EA	8" x 8", 1-1/8" Thick Cork, Ribbed Neoprene And Steel Isolation Pad	258.38	4.55
23 05 48 13-0080		**Rubber Cube Isolation Pad** *(23 05 48 13-0043)*		
23 05 48 13-0081	EA	2" x 2", 3/4" Thick Rubber Cube Isolation Pad	7.67	3.25
23 05 48 13-0082	EA	4" x 4", 3/4" Thick Rubber Cube Isolation Pad	12.10	3.51
23 05 48 13-0083	EA	18" x 18", 3/4" Thick Rubber Cube Isolation Pad	76.50	4.55
23 05 48 13-0084		**Vibra Strip For 1-5/8" Wide B Line Channel** *(23 05 48 13-0043)*		
23 05 48 13-0085	LF	BVS Type - Vibra Strip For 1-5/8" Wide B-Line Channel	6.66	0.65
23 05 48 13-0086		**Vibration Isolators For Equipment** *(23 05 48 13)*		
23 05 48 13-0087		**Isolation Mounts For Equipment** *(23 05 48 13-0086)*		
23 05 48 13-0088		**Molded Neoprene Mounts** *(23 05 48 13-0087)*		
23 05 48 13-0089	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 25-45 Lb.	75.10	6.50
23 05 48 13-0090	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 45-110 Lb.	75.10	6.50
23 05 48 13-0091	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 110-210 Lb.	75.10	6.50
23 05 48 13-0092	EA	3-1/4" x 1-7/8" x 1-7/8" Molded Neoprene Mount, 210-340 Lb.	75.10	6.50
23 05 48 13-0093	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 230-380 Lb.	84.01	7.80
23 05 48 13-0094	EA	4-1/4" x 2-1/2" x 2-1/8" Molded Neoprene Mount, 380-700 Lb.	176.68	7.80
23 05 48 13-0095	EA	6" x 3-1/2" x 2-3/8" Molded Neoprene Mount, 550-930 Lb.	180.58	9.75
23 05 48 13-0096		**Cup Mounts** *(23 05 48 13-0087)*		
23 05 48 13-0097	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 8-14 Lb.	244.70	6.50
23 05 48 13-0098	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 14-24 Lb.	244.70	6.50
23 05 48 13-0099	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 24-38 Lb.	244.70	6.50
23 05 48 13-0100	EA	2-3/8" x 2-3/8" x 1-1/8" Metal Housing And Neoprene Cup Mount, 38-60 Lb.	244.70	6.50
23 05 48 13-0101	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 15-30 Lb.	354.02	6.50
23 05 48 13-0102	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 30-50 Lb.	354.02	6.50
23 05 48 13-0103	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 50-80 Lb.	354.02	6.50
23 05 48 13-0104	EA	3" x 3" x 1-1/2" Metal Housing And Neoprene Cup Mount, 80-110 Lb.	354.02	6.50
23 05 48 13-0105		**Free Standing Spring Mounts, 1" Deflection (OML Type)** *(23 05 48 13-0087)*		
23 05 48 13-0106	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 25-50 Lb.	166.56	16.24
23 05 48 13-0107	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 50-100 Lb.	166.56	16.24
23 05 48 13-0108	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 100-150 Lb.	166.56	16.24
23 05 48 13-0109	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 150-250 Lb.	166.56	16.24
23 05 48 13-0110	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 250-350 Lb.	166.56	16.24
23 05 48 13-0111	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 350-450 Lb.	181.41	16.24
23 05 48 13-0112	EA	4-1/2" x 2" x 3-5/8" High Free Standing Spring Mount, 450-300 Lb.	181.41	16.24
23 05 48 13-0113		**Free Standing Spring Mounts, 1" Deflection (OM Type)** *(23 05 48 13-0087)*		
23 05 48 13-0114	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 75-150 Lb.	237.09	17.55
23 05 48 13-0115	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 150-250 Lb.	237.09	17.55
23 05 48 13-0116	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 250-350 Lb.	237.09	17.55
23 05 48 13-0117	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 350-500 Lb.	237.09	17.55
23 05 48 13-0118	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 500-600 Lb.	237.09	17.55
23 05 48 13-0119	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 600-750 Lb.	237.09	17.55
23 05 48 13-0120	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 750-900 Lb.	237.09	17.55
23 05 48 13-0121	EA	4-1/2" x 2" x 4-3/4" High Free Standing Spring Mount, 900-1,100 Lb.	237.09	17.55
23 05 48 13-0122		**Free Standing Spring Mounts, 2" Deflection (OM Type)** *(23 05 48 13-0087)*		
23 05 48 13-0123	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 75-150 Lb.	625.93	21.45
23 05 48 13-0124	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 150-275 Lb.	625.93	21.45
23 05 48 13-0125	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 275-425 Lb.	625.93	21.45
23 05 48 13-0126	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 425-500 Lb.	625.93	21.45
23 05 48 13-0127	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 500-650 Lb.	625.93	21.45
23 05 48 13-0128	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 650-775 Lb.	625.93	21.45
23 05 48 13-0129	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 775-1,000 Lb.	625.93	21.45
23 05 48 13-0130	EA	6-1/4" x 4" x 7-5/8" High Free Standing Spring Mount, 1,000-1,150 Lb.	625.93	21.45
23 05 48 13-0131		**Housed Fail Safe Spring Mounts, 1" Deflection (HMLE Type)** *(23 05 48 13-0087)* Note: With external adjustment bolt.		
23 05 48 13-0132	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 25-50 Lb.	240.98	19.50
23 05 48 13-0133	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 50-100 Lb.	240.98	19.50
23 05 48 13-0134	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 100-150 Lb.	240.98	19.50
23 05 48 13-0135	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 150-250 Lb.	240.98	19.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0136	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 250-350 Lb	250.43	19.50
23 05 48 13-0137	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 350-450 Lb	289.57	19.50
23 05 48 13-0138	EA	5-1/8" x 2-1/2" x 3-3/4"H Housed Fail Safe Spring Mount, 450-600 Lb	289.57	19.50
23 05 48 13-0139		**Housed Fail Safe Spring Mounts, 1" Deflection (HME Type)** *(23 05 48 13-0087)*		
		Note: With external adjustment bolt.		
23 05 48 13-0140	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 45-90 Lb	342.06	21.45
23 05 48 13-0141	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 90-120 Lb	342.06	21.45
23 05 48 13-0142	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 120-175 Lb	342.06	21.45
23 05 48 13-0143	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 175-250 Lb	342.06	21.45
23 05 48 13-0144	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 250-330 Lb	342.06	21.45
23 05 48 13-0145	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 330-450 Lb	371.76	21.45
23 05 48 13-0146	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 450-600 Lb	371.76	21.45
23 05 48 13-0147	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 600-750 Lb	371.76	21.45
23 05 48 13-0148	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 750-900 Lb	371.76	21.45
23 05 48 13-0149	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 900-1,100 Lb	406.84	21.45
23 05 48 13-0150	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,100-1,300 Lb	406.84	21.45
23 05 48 13-0151	EA	6-3/8" x 2-5/8" x 5-1/8"H Housed Fail Safe Spring Mount, 1,300-1,500 Lb	406.84	21.45
23 05 48 13-0152		**Housed Fail Safe Spring Mount, 2" Deflection (HME Type)** *(23 05 48 13-0087)*		
		Note: With external adjustment bolt.		
23 05 48 13-0153	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 48-90 Lb	491.42	21.45
23 05 48 13-0154	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 90-120 Lb	491.42	21.45
23 05 48 13-0155	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 120-175 Lb	491.42	21.45
23 05 48 13-0156	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 175-250 Lb	491.42	21.45
23 05 48 13-0157	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 250-330 Lb	491.42	21.45
23 05 48 13-0158	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 330-450 Lb	491.42	21.45
23 05 48 13-0159	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 450-600 Lb	541.36	21.45
23 05 48 13-0160	EA	6-3/8" x 2-5/8" x 5-5/8"H Housed Fail Safe Spring Mount, 600-750 Lb	541.36	21.45
23 05 48 13-0161	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 500-660 Lb	855.82	21.45
23 05 48 13-0162	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 660-900 Lb	855.82	21.45
23 05 48 13-0163	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 900-1,200 Lb	855.82	21.45
23 05 48 13-0164	EA	9-3/4" x 2-5/8" x 5-3/4"H Housed Fail Safe Spring Mount, 1,200-1,500 Lb	855.82	21.45
23 05 48 13-0165		**Housed Fail Safe Spring Mount, 1" Deflection (HMLT Type)** *(23 05 48 13-0087)*		
		Note: Skid resistant neoprene top and external adjustment bolt.		
23 05 48 13-0166	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 25-50 Lb.	287.58	16.24
23 05 48 13-0167	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 50-100 Lb.	287.58	16.24
23 05 48 13-0168	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 100-150 Lb.	287.58	16.24
23 05 48 13-0169	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 150-250 Lb.	287.58	16.24
23 05 48 13-0170	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 250-350 Lb.	287.58	16.24
23 05 48 13-0171	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 350-450 Lb.	298.37	16.24
23 05 48 13-0172	EA	5-1/8" x 2-1/2" x 4-1/8" Housed Fail Safe Spring Mount, 450-600 Lb.	298.37	16.24
23 05 48 13-0173		**Vibration Hangers** *(23 05 48 13-0087)*		
		Note: RH type neoprene hanger.		
23 05 48 13-0174	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 60 To 100 Lb.	191.66	29.25
23 05 48 13-0175	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 100 To 175 Lb.	191.66	29.25
23 05 48 13-0176	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 175 To 300 Lb.	257.79	29.25
23 05 48 13-0177	EA	2-3/4" x 2" x 4-1/2"H Neoprene Vibration Hanger, 300 To 700 Lb.	257.79	29.25
23 05 48 13-0178	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 700 To 1,100 Lb.	387.97	35.75
23 05 48 13-0179	EA	3" x 2" x 7"H Neoprene Vibration Hanger, 1,100 To 2,000 Lb.	387.97	35.75
23 05 48 13-0180		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0181	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	89.66	20.79
23 05 48 13-0182	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	104.24	28.59
23 05 48 13-0183	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	128.07	35.10
23 05 48 13-0184	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	148.85	41.60
23 05 48 13-0185	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	170.48	54.59
23 05 48 13-0186	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	191.84	58.10
23 05 48 13-0187	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	257.60	68.89
23 05 48 13-0188	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	357.27	107.37
23 05 48 13-0189		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0190	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	275.12	74.61
23 05 48 13-0191	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	321.02	81.89
23 05 48 13-0192	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	361.43	86.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0193	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	404.30	98.79
23 05 48 13-0194	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	458.12	106.59
23 05 48 13-0195	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	575.55	138.69
23 05 48 13-0196	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	860.12	155.99
23 05 48 13-0197	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	1,060.42	175.48
23 05 48 13-0198	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,469.10	259.98
23 05 48 13-0199		Flanged Flexible Hose Connectors *(23 05 48 13)*		
23 05 48 13-0200		Flanged Flexible Molded Rubber Hose Connectors *(23 05 48 13-0199)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0201	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	271.69	97.49
23 05 48 13-0202	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	293.56	108.28
23 05 48 13-0203	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	471.58	216.30
23 05 48 13-0204	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	649.45	321.72
23 05 48 13-0205	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	847.26	415.31
23 05 48 13-0206	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,091.36	431.88
23 05 48 13-0207	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,331.38	493.27
23 05 48 13-0208	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,732.04	587.02
23 05 48 13-0209	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	4,101.64	734.19
23 05 48 13-0210		Flanged Flexible Corrugated Stainless Steel Hose Connectors *(23 05 48 13-0199)*		
		Note: With braided metal wire.		
23 05 48 13-0211	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	209.65	88.65
23 05 48 13-0212	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	198.29	121.93
23 05 48 13-0213	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	391.65	162.49
23 05 48 13-0214	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	503.40	243.72
23 05 48 13-0215	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	540.47	268.16
23 05 48 13-0216	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	626.16	324.71
23 05 48 13-0217	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	801.68	415.70
23 05 48 13-0218	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,480.53	573.51
23 05 48 13-0219	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,691.91	672.30
23 05 48 13-0220	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,111.90	517.22
23 05 48 13-0221	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,124.03	647.82
23 05 48 13-0222	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,843.37	691.01
23 05 48 13-0223	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,171.73	799.04
23 05 48 13-0224	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,818.99	863.77
23 05 48 13-0225		Flanged Flexible Molded Teflon Hose Connectors *(23 05 48 13-0199)*		
		Note: 150 PSI.		
23 05 48 13-0226	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,221.06	188.49
23 05 48 13-0227	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,368.24	220.98
23 05 48 13-0228	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,068.57	371.40
23 05 48 13-0229	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,512.08	431.88
23 05 48 13-0230	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,313.52	529.78
23 05 48 13-0231		Flexible Hose Connectors Braided Metal Hose Type *(23 05 48 13)*		
23 05 48 13-0232		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0231)*		
		Note: MPT connection.		
23 05 48 13-0233	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	48.72	2.60
23 05 48 13-0234	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.37	2.60
23 05 48 13-0235	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.80	3.38
23 05 48 13-0236	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.01	3.38
23 05 48 13-0237	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	65.32	3.12
23 05 48 13-0238	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.08	3.12
23 05 48 13-0239	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.33	4.02
23 05 48 13-0240	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	111.76	4.02
23 05 48 13-0241	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	89.26	3.64
23 05 48 13-0242	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	97.71	3.64
23 05 48 13-0243	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	115.96	4.81
23 05 48 13-0244	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	147.31	4.81
23 05 48 13-0245	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	178.42	4.81
23 05 48 13-0246	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	209.63	4.81
23 05 48 13-0247	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.29	4.67
23 05 48 13-0248	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	140.45	4.67
23 05 48 13-0249	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	180.56	4.67
23 05 48 13-0250	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	251.11	6.22
23 05 48 13-0251	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	291.52	6.22
23 05 48 13-0252	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	345.30	6.22
23 05 48 13-0253	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	174.46	5.63
23 05 48 13-0254	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	201.96	5.63
23 05 48 13-0255	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	255.22	5.63
23 05 48 13-0256	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	340.39	7.54
23 05 48 13-0257	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	421.56	7.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0258	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	502.67	7.54
23 05 48 13-0259	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	242.56	7.06
23 05 48 13-0260	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	276.43	6.70
23 05 48 13-0261	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	310.64	6.70
23 05 48 13-0262	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	382.89	8.97
23 05 48 13-0263	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	451.69	8.97
23 05 48 13-0264	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	518.35	8.97
23 05 48 13-0265	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	382.93	8.97
23 05 48 13-0266	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	428.62	8.97
23 05 48 13-0267	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	799.01	8.97
23 05 48 13-0268	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	962.61	11.97
23 05 48 13-0269	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	664.29	11.97
23 05 48 13-0270	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	754.22	11.97
23 05 48 13-0271	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	701.65	10.17
23 05 48 13-0272	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	755.05	10.17
23 05 48 13-0273	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	808.45	10.17
23 05 48 13-0274	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	923.62	13.56
23 05 48 13-0275	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,030.00	13.56
23 05 48 13-0276	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,138.67	13.56
23 05 48 13-0277		**Braided Stainless Steel Flexible Hose Connectors** *(23 05 48 13-0231)*		
		Note: Over braided carbon steel connection.		
23 05 48 13-0278	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	208.12	5.70
23 05 48 13-0279	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	251.81	5.70
23 05 48 13-0280	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	294.68	5.70
23 05 48 13-0281	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	385.67	7.64
23 05 48 13-0282	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	472.57	7.64
23 05 48 13-0283	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	559.36	7.64
23 05 48 13-0284	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	235.88	6.70
23 05 48 13-0285	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	281.54	6.70
23 05 48 13-0286	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	327.41	6.70
23 05 48 13-0287	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	424.09	8.97
23 05 48 13-0288	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	515.45	8.97
23 05 48 13-0289	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	605.55	8.97
23 05 48 13-0290	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	249.79	8.97
23 05 48 13-0291	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	302.10	9.21
23 05 48 13-0292	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	355.15	8.97
23 05 48 13-0293	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	470.33	11.97
23 05 48 13-0294	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	575.87	11.97
23 05 48 13-0295	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	684.40	11.97
23 05 48 13-0296	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	503.79	17.47
23 05 48 13-0297	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	745.70	17.59
23 05 48 13-0298	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,000.17	23.16
23 05 48 13-0299	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,242.19	23.16
23 05 48 13-0300	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,484.13	23.16
23 05 48 13-0301	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	874.99	20.68
23 05 48 13-0302	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,058.02	20.68
23 05 48 13-0303	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,434.80	26.89
23 05 48 13-0304	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,797.88	26.89
23 05 48 13-0305	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,160.87	26.89
23 05 48 13-0306	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	936.07	25.86
23 05 48 13-0307	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,393.66	25.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0308	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,867.01	33.68
23 05 48 13-0309	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,326.19	33.68
23 05 48 13-0310	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,783.44	33.68
23 05 48 13-0311	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,863.89	31.26
23 05 48 13-0312	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,434.95	31.26
23 05 48 13-0313	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,045.25	42.06
23 05 48 13-0314	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,621.32	42.06
23 05 48 13-0315	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	4,200.09	42.06
23 05 48 13-0316		Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0231)*		
		Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0317	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	356.36	5.63
23 05 48 13-0318	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	691.78	159.49
23 05 48 13-0319	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	840.62	159.49
23 05 48 13-0320	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	989.46	159.49
23 05 48 13-0321	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,138.36	159.49
23 05 48 13-0322	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	644.24	203.40
23 05 48 13-0323	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	801.08	203.40
23 05 48 13-0324	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	957.98	203.40
23 05 48 13-0325	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,114.94	203.40
23 05 48 13-0326	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,269.15	203.40
23 05 48 13-0327	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	907.36	340.99
23 05 48 13-0328	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,090.43	341.84
23 05 48 13-0329	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,276.47	340.99
23 05 48 13-0330	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,484.49	340.99
23 05 48 13-0331	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,643.43	340.99
23 05 48 13-0332	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,391.19	436.58
23 05 48 13-0333	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,805.99	436.58
23 05 48 13-0334	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,221.02	438.15
23 05 48 13-0335	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,635.87	436.58
23 05 48 13-0336	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,050.67	436.58
23 05 48 13-0337	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,258.80	528.68
23 05 48 13-0338	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,572.60	528.68
23 05 48 13-0339	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,194.77	528.68
23 05 48 13-0340	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,817.17	528.68
23 05 48 13-0341	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,439.28	528.68
23 05 48 13-0342	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,659.77	643.60
23 05 48 13-0343	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,441.59	643.60
23 05 48 13-0344	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,228.66	643.60
23 05 48 13-0345	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,014.03	643.60
23 05 48 13-0346	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,648.76	643.60
23 05 48 13-0347	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,952.51	781.52
23 05 48 13-0348	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,944.61	781.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0349	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,936.66	781.52
23 05 48 13-0350	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,928.70	781.52
23 05 48 13-0351	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	8,920.80	781.52

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	23.35
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	23.68
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	23.85
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	24.20
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	28.23
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	28.82
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	46.25
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	46.72
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	47.21
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	47.48
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	47.76
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	48.04
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	50.36
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	50.67
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	62.63
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	64.68
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	74.45
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	85.42

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.41
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.06
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.37
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.62
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.89
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	19.28
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.90
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.42
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.81
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.21
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.02
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.89
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.66
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.41
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.31
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	30.74
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	36.01

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	13.37
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	12.58
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	12.33

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,100.49	75.24
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,148.64	78.96
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,150.49	82.35
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,204.26	86.52
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,304.49	90.24
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,170.38	93.06

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	925.64	52.11
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	937.07	56.40
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	960.08	59.78
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	970.68	64.29
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	994.51	67.68
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	1,011.73	71.07
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	1,034.74	75.58
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	1,057.65	52.11
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	1,069.08	56.40
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,092.09	59.78
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,102.69	64.29
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,126.52	67.68
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,143.74	71.07
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,166.75	75.58
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	730.42	56.40
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	753.43	59.78
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	764.03	64.29
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	787.87	67.68
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	805.08	71.07
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	828.09	75.58
23 05 66 00-0029		**Fan Coil Unit Ultraviolet Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	667.74	72.19
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	681.57	75.58
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	695.41	78.96
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	714.57	82.35
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	739.79	86.52
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	761.83	90.24
23 05 66 00-0036		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 05 66)*		
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	176.54	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	185.72	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	211.89	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	245.68	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	280.20	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	271.08	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	129.03	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	135.93	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	154.43	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	160.52	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	179.85	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	192.55	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	211.05	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	524.05	
23 05 66 00-0051		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 05 66)*		
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	713.06	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	921.35	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	405.92	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	431.42	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	574.70	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	350.79	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	382.15	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	492.65	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	485.42	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	18.16	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	60.47	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	20.01	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	18.75	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	55.30	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	69.30	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	61.26	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	49.19	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	46.32	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	23.80	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	52.41	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	23.92	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	99.88	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	105.28	

23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) *(23 05 66)*

23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,481.26	104.34
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,659.29	109.98
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,720.10	118.44
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,798.45	126.90
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,850.48	135.36
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,239.14	141.00
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,254.34	109.98
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,341.47	118.44
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,709.44	126.90
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,814.13	135.36

23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) *(23 05 66)*

Note: Includes 2 Year Warranty

23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	926.81	109.98
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,553.53	109.98
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,181.10	109.98
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	953.86	118.44
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	1,589.01	118.44
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,225.01	118.44
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	979.21	126.90
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	1,624.49	126.90
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,268.92	126.90
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,084.17	141.00
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	1,791.02	141.00
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	2,497.87	141.00
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,266.73	155.10
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	2,128.79	155.10
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	2,990.00	155.10

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	533.04
		For Testing Of Unit Without Balancing, Deduct	*-266.52*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	666.04
		For Testing Of Unit Without Balancing, Deduct	*-333.02*
23 05 93 00-0004	EA	Balancing In Line Fan	599.67
		For Testing Of Unit Without Balancing, Deduct	*-299.84*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	133.26
		For Testing Of Unit Without Balancing, Deduct	*-66.63*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	399.75
		For Testing Of Unit Without Balancing, Deduct	*-199.88*
23 05 93 00-0007	EA	Balancing Wall Fan	99.92
		For Testing Of Unit Without Balancing, Deduct	*-49.96*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	532.19
		For Testing Of Unit Without Balancing, Deduct	*-266.10*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	957.63	
		For Testing Of Unit Without Balancing, Deduct	*-478.82*	
23 05 93 00-0011	EA	Balancing Package A/C Unit	359.12	
		For Testing Of Unit Without Balancing, Deduct	*-179.56*	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	478.82	
		For Testing Of Unit Without Balancing, Deduct	*-239.41*	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,675.85	
		For Testing Of Unit Without Balancing, Deduct	*-837.93*	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	99.94	
		For Testing Of Unit Without Balancing, Deduct	*-49.97*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	166.58	
		For Testing Of Unit Without Balancing, Deduct	*-83.29*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	86.61	
		For Testing Of Unit Without Balancing, Deduct	*-43.31*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	93.85	
		For Testing Of Unit Without Balancing, Deduct	*-46.93*	
23 05 93 00-0019	EA	Balance Constant Volume Box	93.85	
		For Testing Of Unit Without Balancing, Deduct	*-46.93*	
23 05 93 00-0020	EA	Balance Fan Powered Box	106.61	
		For Testing Of Unit Without Balancing, Deduct	*-53.31*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	433.11	
		For Testing Of Unit Without Balancing, Deduct	*-216.56*	
23 05 93 00-0022	EA	Balance General Hood	333.15	
		For Testing Of Unit Without Balancing, Deduct	*-166.58*	
23 05 93 00-0023	EA	Balance Induction Unit	199.90	
		For Testing Of Unit Without Balancing, Deduct	*-99.95*	
23 05 93 00-0024	EA	Balance Moduline - Master	79.94	
		For Testing Of Unit Without Balancing, Deduct	*-39.97*	
23 05 93 00-0025	EA	Balance Moduline - Slave	39.98	
		For Testing Of Unit Without Balancing, Deduct	*-19.99*	
23 05 93 00-0026	EA	Balance Dampers	37.12	
		For Testing Of Unit Without Balancing, Deduct	*-18.56*	
23 05 93 00-0027	EA	Balance Regenerators	532.19	
		For Testing Of Unit Without Balancing, Deduct	*-266.10*	

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	658.43	
		For Testing Of Unit Without Balancing, Deduct	*-329.22*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	83.80	
		For Testing Of Unit Without Balancing, Deduct	*-41.90*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	718.16	
		For Testing Of Unit Without Balancing, Deduct	*-359.08*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	957.63	
		For Testing Of Unit Without Balancing, Deduct	*-478.82*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	478.82	
		For Testing Of Unit Without Balancing, Deduct	*-239.41*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	119.78	
		For Testing Of Unit Without Balancing, Deduct	*-59.89*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	119.71	
		For Testing Of Unit Without Balancing, Deduct	*-59.86*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	131.67	
		For Testing Of Unit Without Balancing, Deduct	*-65.84*	
23 05 93 00-0037	EA	Water Balance, Pumps	359.13	
		For Testing Of Unit Without Balancing, Deduct	*-179.57*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	83.79	
		For Testing Of Unit Without Balancing, Deduct	*-41.90*	
23 05 93 00-0039	EA	Water Balancing, Converter	359.26	
		For Testing Of Unit Without Balancing, Deduct	*-179.63*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	59.84	
		For Testing Of Unit Without Balancing, Deduct	*-29.92*	
23 05 93 00-0041	EA	Water Balance, Convector	71.81	
		For Testing Of Unit Without Balancing, Deduct	*-35.91*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	89.78	
		For Testing Of Unit Without Balancing, Deduct	*-44.89*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	778.07	
		For Testing Of Unit Without Balancing, Deduct	*-389.04*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,436.45	
		For Testing Of Unit Without Balancing, Deduct	*-718.23*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,633.49	
		For Testing Of Unit Without Balancing, Deduct	*-1,316.75*	

23 05 93 00-0046 Non-Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*

23 05 93 00-0049	EA	Minimum Set-up Charge For X-Ray Welds Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,149.25	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0050		**Piping, X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0047)*		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	98.09	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	111.67	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	125.25	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	132.35	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	139.44	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	147.12	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	161.29	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	175.48	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	183.15	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	195.46	
23 05 93 00-0061		**Liquid Penetration Of Welds, Non-Destructive Testing** *(23 05 93 00-0046)*		
23 05 93 00-0062		**Piping, Liquid Penetration Of Welds, Non-Destructive Testing** *(23 05 93 00-0061)*		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	84.24	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	90.74	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	97.24	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	100.49	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	105.37	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	110.24	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	119.99	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	129.74	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	139.49	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	149.24	
23 05 93 00-0073		**Hydrostatic Testing** *(23 05 93 00-0046)* Note: Includes flushing and restoring of system.		
23 05 93 00-0074		**Piping, Hydrostatic Testing** *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	855.18	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,221.69	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,463.82	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,949.82	
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,954.27	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,137.06	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,624.84	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,934.34	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,534.74	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,834.63	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,481.86	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	2,112.30	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,228.50	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,919.52	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	4,416.68	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,923.83	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,742.73	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,897.63	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,800.54	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	5,758.41	
23 05 93 00-0095		**Pneumatic Testing** *(23 05 93 00-0046)* Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.		
23 05 93 00-0096		**Piping, Pneumatic Testing With Inert Gas** *(23 05 93 00-0095)*		
23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	971.76	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,386.99	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,497.49	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,917.06	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,997.42	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,268.05	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,801.08	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,946.69	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,492.85	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	3,896.38	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,527.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,155.57	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,437.60	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	3,113.12	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	4,873.05	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,988.21	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,802.32	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,169.63	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,047.44	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	6,344.35	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,089.49	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	106.76	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,672.65	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,268.45	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.55	2.74
		For Plain Blanket, With No Facing, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.09*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.30	2.74
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.28*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.01	4.09
		For Plain Blanket, With No Facing, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.46*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.10	4.78
		For Plain Blanket, With No Facing, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*1.71*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.37	5.19
		For Plain Blanket, With No Facing, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*1.85*	

23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.60	4.09
		For Plain Blanket, With No Facing, Deduct	*-0.42*	
		For Work In Restricted Working Space, Add	*1.37*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.52	4.78
		For Plain Blanket, With No Facing, Deduct	*-0.51*	
		For Work In Restricted Working Space, Add	*1.58*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	7.70	5.46
		For Plain Blanket, With No Facing, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.86*	

23 07 13 00-0012 Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.26	5.46
		For Plain Blanket, With No Facing, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.65*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	9.34	6.15
		For Plain Blanket, With No Facing, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*1.88*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	10.90	6.83
		For Plain Blanket, With No Facing, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*2.18*	

23 07 13 00-0016 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	12.74	6.54
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*29.54*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*21.84*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*18.02*	
		For Work In Restricted Working Space, Add	*3.64*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	16.19	7.95
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*36.43*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*27.26*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*22.40*	
		For Work In Restricted Working Space, Add	*4.43*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	20.06	9.60
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*44.32*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*33.42*	
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*27.40*	
		For Work In Restricted Working Space, Add	*5.34*	
23 07 13 00-0020		4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	14.25	7.20
		For Work In Restricted Working Space, Add	*4.01*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	18.25	8.75
		For Work In Restricted Working Space, Add	*4.87*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	23.15	10.56
		For Work In Restricted Working Space, Add	*5.88*	
23 07 13 00-0024		Sheet Flexible Elastomeric Insulation *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	11.24	3.69
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	12.01	3.89
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	15.81	4.09
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	18.24	4.30
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	25.33	4.72
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	29.97	5.12
23 07 13 00-0031		Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	16.71	3.89
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.39	4.09
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.50	4.30
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.09	4.72
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	38.05	5.12
23 07 13 00-0037		Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	20.06	3.89
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.74	4.09
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	24.43	4.30
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	35.99	4.72
23 07 13 00-0042		Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation *(23 07 13)*		
		Note: Fire rated insulation. Includes stainless steel bands.		
23 07 13 00-0043	SF	1-1/2", 6 Lb./CF, Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation	19.75	6.15
		For Work In Restricted Working Space, Add	*1.88*	
23 07 13 00-0044	SF	Two Layers, 1-1/2", 6 Lb./CF, Fully Foil Encapsulated Pyroscat DuctWrap XL Insulation	36.23	10.02
		For Work In Restricted Working Space, Add	*3.01*	

23 07 16 HVAC Equipment Insulation *(23 07)*

23 07 16 00-0001		Calcium Silicate Block Insulation *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	18.95	7.85
		For Work In Restricted Working Space, Add	*4.71*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	22.54	8.84
		For Work In Restricted Working Space, Add	*5.30*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	26.93	10.19
		For Work In Restricted Working Space, Add	*6.14*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	32.03	11.97
		For Work In Restricted Working Space, Add	*7.18*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	39.17	14.73
		For Work In Restricted Working Space, Add	*8.84*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0001		**Calcium Silicate Pipe Insulation** *(23 07 19)* Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0594 for protective jacketing.		
23 07 19 00-0002		**1" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.47	4.49
		For Work In Restricted Working Space, Add	*3.37*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.47	4.49
		For Work In Restricted Working Space, Add	*3.37*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.41	4.56
		For Work In Restricted Working Space, Add	*3.42*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.66	4.62
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.86	4.69
		For Work In Restricted Working Space, Add	*3.51*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.97	4.82
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.80	5.01
		For Work In Restricted Working Space, Add	*3.76*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.59	5.14
		For Work In Restricted Working Space, Add	*3.85*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	22.26	5.53
		For Work In Restricted Working Space, Add	*4.15*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	24.82	6.24
		For Work In Restricted Working Space, Add	*4.68*	
23 07 19 00-0013		**1-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.24	4.68
		For Work In Restricted Working Space, Add	*3.51*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.33	4.68
		For Work In Restricted Working Space, Add	*3.51*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.53	4.96
		For Work In Restricted Working Space, Add	*3.72*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.24	5.05
		For Work In Restricted Working Space, Add	*3.79*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.96	5.14
		For Work In Restricted Working Space, Add	*3.86*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.40	5.42
		For Work In Restricted Working Space, Add	*4.07*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	22.35	5.52
		For Work In Restricted Working Space, Add	*4.14*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	23.19	5.70
		For Work In Restricted Working Space, Add	*4.28*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	25.77	6.17
		For Work In Restricted Working Space, Add	*4.63*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	29.90	7.20
		For Work In Restricted Working Space, Add	*5.40*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	34.77	7.60
		For Work In Restricted Working Space, Add	*5.70*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.62	9.10
		For Work In Restricted Working Space, Add	*6.82*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	51.25	10.59
		For Work In Restricted Working Space, Add	*7.94*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	57.02	11.61
		For Work In Restricted Working Space, Add	*8.71*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	68.29	14.79
		For Work In Restricted Working Space, Add	*11.09*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	73.44	15.52
		For Work In Restricted Working Space, Add	*11.64*	
23 07 19 00-0030		**2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	21.59	5.14
		For Work In Restricted Working Space, Add	*3.85*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.07	5.14
		For Work In Restricted Working Space, Add	*3.85*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.73	5.20
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.60	5.27
		For Work In Restricted Working Space, Add	*3.95*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.21	5.33
		For Work In Restricted Working Space, Add	*4.00*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.23	5.53
		For Work In Restricted Working Space, Add	*4.15*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.04	5.72
		For Work In Restricted Working Space, Add	*4.29*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	28.57	5.92
		For Work In Restricted Working Space, Add	*4.44*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.54	6.25
		For Work In Restricted Working Space, Add	*4.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	38.60	7.49
		For Work In Restricted Working Space, Add	*5.62*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	43.43	7.91
		For Work In Restricted Working Space, Add	*5.93*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	53.38	9.46
		For Work In Restricted Working Space, Add	*7.10*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	61.36	11.34
		For Work In Restricted Working Space, Add	*8.50*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	75.86	15.81
		For Work In Restricted Working Space, Add	*11.86*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	79.57	15.81
		For Work In Restricted Working Space, Add	*11.86*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	85.17	16.60
		For Work In Restricted Working Space, Add	*12.45*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	101.23	18.98
		For Work In Restricted Working Space, Add	*14.24*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	118.19	22.93
		For Work In Restricted Working Space, Add	*17.20*	
23 07 19 00-0049		**2-1/2" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	25.82	5.92
		For Work In Restricted Working Space, Add	*4.45*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.32	5.92
		For Work In Restricted Working Space, Add	*4.45*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.77	6.02
		For Work In Restricted Working Space, Add	*4.52*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.03	6.07
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.69	6.12
		For Work In Restricted Working Space, Add	*4.59*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	28.85	6.37
		For Work In Restricted Working Space, Add	*4.77*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.23	6.59
		For Work In Restricted Working Space, Add	*4.94*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.81	6.82
		For Work In Restricted Working Space, Add	*5.11*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.66	7.19
		For Work In Restricted Working Space, Add	*5.39*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	46.61	8.17
		For Work In Restricted Working Space, Add	*6.13*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	53.12	9.10
		For Work In Restricted Working Space, Add	*6.83*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	63.31	10.50
		For Work In Restricted Working Space, Add	*7.88*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	73.96	13.06
		For Work In Restricted Working Space, Add	*9.79*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	81.76	14.25
		For Work In Restricted Working Space, Add	*10.69*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	99.58	18.22
		For Work In Restricted Working Space, Add	*13.66*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	105.12	19.12
		For Work In Restricted Working Space, Add	*14.34*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	121.84	21.86
		For Work In Restricted Working Space, Add	*16.40*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	143.40	26.41
		For Work In Restricted Working Space, Add	*19.81*	
23 07 19 00-0068		**3" Thick, Calcium Silicate Pipe Insulation** *(23 07 19 00-0001)*		
23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.26	6.56
		For Work In Restricted Working Space, Add	*4.92*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.38	6.56
		For Work In Restricted Working Space, Add	*4.92*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.66	6.63
		For Work In Restricted Working Space, Add	*4.97*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.99	6.67
		For Work In Restricted Working Space, Add	*5.00*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.31	6.74
		For Work In Restricted Working Space, Add	*5.06*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	34.45	6.99
		For Work In Restricted Working Space, Add	*5.24*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.04	7.23
		For Work In Restricted Working Space, Add	*5.42*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	38.85	7.49
		For Work In Restricted Working Space, Add	*5.62*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	45.48	7.92
		For Work In Restricted Working Space, Add	*5.93*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	53.80	8.98
		For Work In Restricted Working Space, Add	*6.74*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	62.36	10.01
		For Work In Restricted Working Space, Add	*7.51*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	73.95	11.55
		For Work In Restricted Working Space, Add	*8.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	85.76	14.36
		For Work In Restricted Working Space, Add	*10.77*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	95.12	15.68
		For Work In Restricted Working Space, Add	*11.76*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	111.87	20.04
		For Work In Restricted Working Space, Add	*15.02*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	120.43	21.04
		For Work In Restricted Working Space, Add	*15.78*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	140.83	24.05
		For Work In Restricted Working Space, Add	*18.04*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	166.78	29.06
		For Work In Restricted Working Space, Add	*21.79*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.72	7.19
		For Work In Restricted Working Space, Add	*5.39*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.16	7.19
		For Work In Restricted Working Space, Add	*5.39*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.27	7.23
		For Work In Restricted Working Space, Add	*5.42*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	42.40	7.28
		For Work In Restricted Working Space, Add	*5.46*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	43.69	7.37
		For Work In Restricted Working Space, Add	*5.53*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.28	7.62
		For Work In Restricted Working Space, Add	*5.72*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	50.12	7.90
		For Work In Restricted Working Space, Add	*5.92*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	51.91	8.17
		For Work In Restricted Working Space, Add	*6.13*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	58.90	8.63
		For Work In Restricted Working Space, Add	*6.48*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	65.77	9.81
		For Work In Restricted Working Space, Add	*7.35*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	79.75	10.92
		For Work In Restricted Working Space, Add	*8.19*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.69	12.60
		For Work In Restricted Working Space, Add	*9.45*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	117.19	15.66
		For Work In Restricted Working Space, Add	*11.75*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	123.66	17.10
		For Work In Restricted Working Space, Add	*12.83*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	144.85	21.86
		For Work In Restricted Working Space, Add	*16.39*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	165.67	22.95
		For Work In Restricted Working Space, Add	*17.21*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	179.27	26.25
		For Work In Restricted Working Space, Add	*19.69*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.52	7.99
		For Work In Restricted Working Space, Add	*5.99*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.56	7.99
		For Work In Restricted Working Space, Add	*5.99*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.91	8.12
		For Work In Restricted Working Space, Add	*6.09*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	52.27	8.22
		For Work In Restricted Working Space, Add	*6.16*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.27	8.47
		For Work In Restricted Working Space, Add	*6.35*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	56.45	8.73
		For Work In Restricted Working Space, Add	*6.55*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	61.42	8.87
		For Work In Restricted Working Space, Add	*6.65*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	63.22	9.19
		For Work In Restricted Working Space, Add	*6.90*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	71.52	9.71
		For Work In Restricted Working Space, Add	*7.28*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	82.67	11.01
		For Work In Restricted Working Space, Add	*8.26*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	98.21	12.28
		For Work In Restricted Working Space, Add	*9.21*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	113.11	14.19
		For Work In Restricted Working Space, Add	*10.64*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	129.29	17.62
		For Work In Restricted Working Space, Add	*13.22*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	137.69	19.25
		For Work In Restricted Working Space, Add	*14.44*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	163.64	24.61
		For Work In Restricted Working Space, Add	*18.46*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	173.90	25.79
		For Work In Restricted Working Space, Add	*19.34*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	192.79	29.52
		For Work In Restricted Working Space, Add	*22.14*	
23 07 19 00-0123		Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*		
23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	6.73	
		For Work In Restricted Working Space, Add	*1.27*	

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001		Valves With Actuator *(23 09 23 11)*		
23 09 23 11-0002	EA	1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	866.74	16.77
23 09 23 11-0003	EA	3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	894.85	22.61
23 09 23 11-0004	EA	1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	978.63	27.37
23 09 23 11-0005	EA	1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,066.54	34.66
23 09 23 11-0006	EA	1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,214.74	40.00
23 09 23 11-0007	EA	2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,372.28	47.26
23 09 23 11-0008	EA	2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,564.71	94.54
23 09 23 11-0009	EA	3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,778.02	110.62
23 09 23 11-0010	EA	4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,745.95	162.49
23 09 23 11-0011	EA	5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,511.24	234.82
23 09 23 11-0012	EA	6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	6,104.56	259.98
23 09 23 11-0013	EA	1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	930.44	25.16
23 09 23 11-0014	EA	3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	956.80	33.91
23 09 23 11-0015	EA	1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,035.32	41.05
23 09 23 11-0016	EA	1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,145.86	52.00
23 09 23 11-0017	EA	1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,473.75	59.99
23 09 23 11-0018	EA	2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,633.61	70.90
23 09 23 11-0019	EA	2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,880.67	141.81
23 09 23 11-0020	EA	3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,163.52	165.94
23 09 23 11-0021	EA	4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,602.96	243.72
23 09 23 11-0022	EA	5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,676.82	352.22
23 09 23 11-0023	EA	6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,422.93	389.97
23 09 23 11-0024	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	161.14	16.77
23 09 23 11-0025	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	189.10	22.61
23 09 23 11-0026	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	238.61	27.37
23 09 23 11-0027	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	195.50	25.16
23 09 23 11-0028	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	226.93	33.91
23 09 23 11-0029	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	284.28	41.05
23 09 23 11-0030	EA	1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	272.02	16.77
23 09 23 11-0031	EA	3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	321.53	22.61
23 09 23 11-0032	EA	1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	365.17	27.37
23 09 23 11-0033	EA	1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	475.44	34.66
23 09 23 11-0034	EA	1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	490.36	40.00
23 09 23 11-0035	EA	2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	625.97	47.26
23 09 23 11-0036	EA	2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,347.15	94.54
23 09 23 11-0037	EA	3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,581.80	110.62
23 09 23 11-0038	EA	1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	327.93	25.16
23 09 23 11-0039	EA	3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	377.55	33.91
23 09 23 11-0040	EA	1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	488.22	41.05
23 09 23 11-0041	EA	1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	694.91	52.00
23 09 23 11-0042	EA	1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	730.76	59.99
23 09 23 11-0043	EA	2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	971.49	70.90
23 09 23 11-0044	EA	2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	783.17	86.66
23 09 23 11-0045	EA	2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	821.11	94.54
23 09 23 11-0046	EA	3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	1,084.31	110.62
23 09 23 11-0047	EA	4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,649.66	185.70
23 09 23 11-0048	EA	5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	3,370.43	234.82
23 09 23 11-0049	EA	6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,551.55	259.98
23 09 23 11-0050	EA	8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,851.22	297.12
23 09 23 11-0051	EA	10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,952.22	363.97
23 09 23 11-0052	EA	12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	7,359.21	441.18
23 09 23 11-0053	EA	14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	8,167.10	519.95
23 09 23 11-0054	EA	16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	10,842.42	571.95
23 09 23 11-0055	EA	18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	13,161.53	635.38
23 09 23 11-0056	EA	2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,458.01	129.99
23 09 23 11-0057	EA	2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,721.61	141.81
23 09 23 11-0058	EA	3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	2,128.68	165.94
23 09 23 11-0059	EA	4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,706.93	278.55
23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	5,623.74	352.22
23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,813.31	389.97
23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	7,345.15	445.72
23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	9,738.81	545.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	11,838.17	661.76
23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	18,566.79	779.93
23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	20,707.26	857.92
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	32,005.68	953.08
23 09 23 11-0068		Valve Actuators *(23 09 23 11)*		
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	523.05	107.39
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	531.74	107.39
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	631.24	107.39
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	603.96	107.39
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	616.64	107.39
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	699.97	107.39
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	799.65	107.39
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	816.83	107.39
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	858.26	107.39
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	613.69	107.39
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	700.61	107.39
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	658.69	107.39
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	671.41	107.39
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	676.16	107.39
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	762.65	107.39
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	799.94	107.39
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	819.75	107.39
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	815.81	107.39
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	828.50	107.39
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	827.70	107.39
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	909.99	107.39
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	1,118.11	107.39
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	719.79	107.39
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	872.16	107.39
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	2,067.06	107.39
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,327.29	107.39
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,808.91	107.39
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	3,192.14	107.39
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,792.77	107.39
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	4,481.49	107.39
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	6,065.19	107.39
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	7,421.15	107.39
23 09 23 11-0101		Rotork IQ Electric Valve Actuators *(23 09 23 11)*		
23 09 23 11-0102		Rotork IQ2 Electric Valve Actuators *(23 09 23 11-0101)* Note: 3 Phase, A, B1/B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0103		WT Enclosure *(23 09 23 11-0102)*		
23 09 23 11-0104	EA	Rotork IQ10 Electric Valve Actuator, WT Enclosure	10,500.34	389.97
23 09 23 11-0105	EA	Rotork IQ12 Electric Valve Actuator, WT Enclosure	10,947.39	389.97
23 09 23 11-0106	EA	Rotork IQ18 Electric Valve Actuator, WT Enclosure	11,854.04	389.97
23 09 23 11-0107	EA	Rotork IQ20 Electric Valve Actuator, WT Enclosure	14,883.56	389.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0108	EA	Rotork IQ25 Electric Valve Actuator, WT Enclosure	15,305.65	389.97
23 09 23 11-0109	EA	Rotork IQ35 Electric Valve Actuator, WT Enclosure	16,955.35	508.95
23 09 23 11-0110	EA	Rotork IQ40 Electric Valve Actuator, WT Enclosure	20,770.97	763.43
23 09 23 11-0111	EA	Rotork IQ70 Electric Valve Actuator, WT Enclosure	25,620.47	763.43
23 09 23 11-0112	EA	Rotork IQ90 Electric Valve Actuator, WT Enclosure	28,137.12	763.43
23 09 23 11-0113	EA	Rotork IQ91 Electric Valve Actuator, WT Enclosure	40,933.70	1,145.14
23 09 23 11-0114	EA	Rotork IQ95 Electric Valve Actuator, WT Enclosure	33,211.27	1,145.14
23 09 23 11-0115		FM Enclosure *(23 09 23 11-0102)*		
23 09 23 11-0116	EA	Rotork IQ10 Electric Valve Actuator, FM Enclosure	11,344.52	389.97
23 09 23 11-0117	EA	Rotork IQ12 Electric Valve Actuator, FM Enclosure	11,823.34	389.97
23 09 23 11-0118	EA	Rotork IQ18 Electric Valve Actuator, FM Enclosure	12,774.82	389.97
23 09 23 11-0119	EA	Rotork IQ20 Electric Valve Actuator, FM Enclosure	16,060.77	389.97
23 09 23 11-0120	EA	Rotork IQ25 Electric Valve Actuator, FM Enclosure	16,507.82	389.97
23 09 23 11-0121	EA	Rotork IQ35 Electric Valve Actuator, FM Enclosure	18,357.78	508.95
23 09 23 11-0122	EA	Rotork IQ40 Electric Valve Actuator, FM Enclosure	22,597.76	763.43
23 09 23 11-0123	EA	Rotork IQ70 Electric Valve Actuator, FM Enclosure	27,785.38	763.43
23 09 23 11-0124	EA	Rotork IQ90 Electric Valve Actuator, FM Enclosure	30,445.00	763.43
23 09 23 11-0125	EA	Rotork IQ91 Electric Valve Actuator, FM Enclosure	44,060.80	1,145.14
23 09 23 11-0126	EA	Rotork IQ95 Electric Valve Actuator, FM Enclosure	35,870.89	1,145.14
23 09 23 11-0127		Rotork IQM And M Range Syncroset Electric Valve Actuators *(23 09 23 11-0101)*		
		Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0128		WT Enclosure *(23 09 23 11-0127)*		
23 09 23 11-0129	EA	Rotork IQM10 Electric Valve Actuator, WT Enclosure	13,411.85	389.97
23 09 23 11-0130	EA	Rotork IQM12 Electric Valve Actuator, WT Enclosure	13,721.68	389.97
23 09 23 11-0131	EA	Rotork IQM20 Electric Valve Actuator, WT Enclosure	15,632.43	389.97
23 09 23 11-0132	EA	Rotork IQM25 Electric Valve Actuator, WT Enclosure	15,832.13	389.97
23 09 23 11-0133	EA	Rotork IQM35 Electric Valve Actuator, WT Enclosure	18,439.48	508.95
23 09 23 11-0134		FM Enclosure *(23 09 23 11-0127)*		
23 09 23 11-0135	EA	Rotork IQM10 Electric Valve Actuator, FM Enclosure	15,327.14	389.97
23 09 23 11-0136	EA	Rotork IQM12 Electric Valve Actuator, FM Enclosure	15,645.48	389.97
23 09 23 11-0137	EA	Rotork IQM20 Electric Valve Actuator, FM Enclosure	17,726.43	389.97
23 09 23 11-0138	EA	Rotork IQM25 Electric Valve Actuator, FM Enclosure	17,894.36	389.97
23 09 23 11-0139	EA	Rotork IQM35 Electric Valve Actuator, FM Enclosure	20,910.74	508.95
23 09 23 11-0140		Rotork IQT Electric Valve Actuators *(23 09 23 11-0101)*		
		Note: 3 Phase, A, B4, Z, or Z3 coupling designation. See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0141		WT Enclosure *(23 09 23 11-0140)*		
23 09 23 11-0142	EA	Rotork IQT125 Electric Valve Actuator, WT Enclosure	9,522.27	389.97
23 09 23 11-0143	EA	Rotork IQT250 Electric Valve Actuator, WT Enclosure	9,715.16	389.97
23 09 23 11-0144	EA	Rotork IQT500 Electric Valve Actuator, WT Enclosure	9,985.21	389.97
23 09 23 11-0145	EA	Rotork IQT1000 Electric Valve Actuator, WT Enclosure	11,503.37	389.97
23 09 23 11-0146	EA	Rotork IQT2000 Electric Valve Actuator, WT Enclosure	12,279.47	389.97
23 09 23 11-0147		FM Enclosure *(23 09 23 11-0140)*		
23 09 23 11-0148	EA	Rotork IQT125 Electric Valve Actuator, FM Enclosure	10,377.80	389.97
23 09 23 11-0149	EA	Rotork IQT250 Electric Valve Actuator, FM Enclosure	10,162.22	389.97
23 09 23 11-0150	EA	Rotork IQT500 Electric Valve Actuator, FM Enclosure	10,843.01	389.97
23 09 23 11-0151	EA	Rotork IQT1000 Electric Valve Actuator, FM Enclosure	12,358.90	389.97
23 09 23 11-0152	EA	Rotork IQT2000 Electric Valve Actuator, FM Enclosure	13,466.32	389.97
23 09 23 11-0153		Rotork Q Range Basic Actuators *(23 09 23 11-0101)*		
		See CSI section 23 09 23 11-0156 for actuator mounting, 23 09 23 11-0161 for gearboxes, 23 09 23 11-0204 for gearboxes mounting.		
23 09 23 11-0154	EA	Rotork Q100 Standard Actuator	1,849.48	
23 09 23 11-0155	EA	Rotork Q300 Standard Actuator	2,723.16	
23 09 23 11-0156		Rotork Actuator Mounting Kits *(23 09 23 11-0101)*		
		Note: Mounting of Rotork actuators to valves, dampers or other equipment, including machining of actuator output device.		
23 09 23 11-0157	EA	Mounting Kit For Rotork Actuators (Up To IQ 18) Or Exeeco Gearboxes (Up To IW6 Or IB6) To Valves, Dampers And Other Equipment	1,100.61	
23 09 23 11-0158	EA	Mounting Kit For Rotork Actuators (IQ 20-25) Or Exeeco Gearboxes (Up To IW9 Or IB10) To Valves, Dampers And Other Equipment	1,679.28	
23 09 23 11-0159	EA	Mounting Kit For Rotork Actuators (IQ 35-40) Or Exeeco Gearboxes (Up to IW12 Or IB14) To Valves, Dampers And Other Equipment	2,201.22	
23 09 23 11-0160	EA	Mounting Kit For Rotork Actuators (IQ 70-90) Or Exeeco Gearboxes (Up To IS15 Or IS20) To Valves, Dampers And Other Equipment	2,786.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0161		**Rotork "Exeeco" Fitted Gearboxes** *(23 09 23 11-0101)* See CSI section 23 09 23 11-0204 for mounting.		
23 09 23 11-0162	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB2	3,209.08	519.96
23 09 23 11-0163	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB3	3,504.09	519.96
23 09 23 11-0164	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB4	2,821.03	519.96
23 09 23 11-0165	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB4	2,823.30	519.96
23 09 23 11-0166	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA10, IB5	3,116.04	519.96
23 09 23 11-0167	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB5	3,195.46	519.96
23 09 23 11-0168	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB6	3,851.29	519.96
23 09 23 11-0169	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB6	3,998.80	519.96
23 09 23 11-0170	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB7	4,375.50	519.96
23 09 23 11-0171	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB7	4,520.74	519.96
23 09 23 11-0172	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB8	6,091.14	510.93
23 09 23 11-0173	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB8	6,238.64	510.93
23 09 23 11-0174	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB8	6,413.38	510.93
23 09 23 11-0175	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB9	6,919.43	510.93
23 09 23 11-0176	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB9	7,066.94	510.93
23 09 23 11-0177	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB9	7,241.67	510.93
23 09 23 11-0178	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB10	8,383.78	638.66
23 09 23 11-0179	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB10	8,585.75	638.66
23 09 23 11-0180	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB10	8,651.56	638.66
23 09 23 11-0181	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA14, IB11	10,258.22	638.66
23 09 23 11-0182	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB11	10,460.19	638.66
23 09 23 11-0183	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB11	10,526.00	638.66
23 09 23 11-0184	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB12	12,854.30	638.66
23 09 23 11-0185	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB12	13,108.46	638.66
23 09 23 11-0186	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB13	16,467.03	638.66
23 09 23 11-0187	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB13	16,721.19	638.66
23 09 23 11-0188	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA16, IB14	31,901.25	766.40
23 09 23 11-0189	EA	Rotork Exeeco Fitted Gearbox, Bevel, FA25, IB14	32,155.41	766.40
23 09 23 11-0190	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW3	1,808.29	389.97
23 09 23 11-0191	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW4	2,371.08	389.97
23 09 23 11-0192	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW5	3,086.54	389.97
23 09 23 11-0193	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW52	3,755.98	389.97
23 09 23 11-0194	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW6	4,561.58	389.97
23 09 23 11-0195	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW63	6,382.22	763.43
23 09 23 11-0196	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW7	7,628.06	763.43
23 09 23 11-0197	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW72	9,180.26	763.43
23 09 23 11-0198	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW8	11,497.45	954.28
23 09 23 11-0199	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW82	13,784.90	1,145.14
23 09 23 11-0200	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW9	17,481.59	1,145.14
23 09 23 11-0201	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW10	23,269.01	1,526.85
23 09 23 11-0202	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW11	29,784.17	1,526.85
23 09 23 11-0203	EA	Rotork Exeeco Fitted Gearbox, Quadrant Worm, IW12	75,919.04	1,526.85
23 09 23 11-0204		**Mounting Rotork Actuator To Exeeco Gearbox Mounting** *(23 09 23 11-0101)*		
23 09 23 11-0205	EA	Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW3-IW6 or IB3 to IB6)	753.41	
23 09 23 11-0206	EA	Mounting of Rotork Actuators (IQ 10-18) to Exeeco Gearboxes (IW7-IW12 or IB7 to IB7)	882.76	
23 09 23 11-0207	EA	Mounting of Rotork Actuators (IQ 20-25) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB11)	1,184.57	
23 09 23 11-0208	EA	Mounting of Rotork Actuators (IQ 35-40) to Exeeco Gearboxes (IW6-IW12 or IB6 to IB14)	1,357.04	
23 09 23 11-0209	EA	Mounting of Rotork Actuators (IQ 70-95) to Exeeco Gearboxes (IB10-IB14)	1,758.71	
23 09 23 11-0210		**Electro-Hydraulic Valve Actuators** *(23 09 23 11)* Note: Actuators only.		
23 09 23 11-0211		**Electro-Hydraulic Rotary Actuators, Model 2000** *(23 09 23 11-0210)* Note: Fail set (fail in last position), 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 11-0212	EA	Valve Torque To 13,000 Lb. (Maximum)	46,873.99	1,299.88
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0213	EA	Valve Torque To 45,000 Lb. (Maximum)	77,040.10	1,624.84
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0214	EA	Valve Torque To 90,000 Lb. (Maximum)	151,477.31	1,948.26
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0215		**Electro-Hydraulic Linear Actuators, Model 3000** *(23 09 23 11-0210)* Note: Fail set (fail in last position), NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 11-0216	EA	Linear Actuator Stroke To 24" (Maximum)	76,390.15	1,299.88
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0217	EA	Linear Actuator Stroke To 36" (Maximum)	99,177.22	1,624.84
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0218	EA	Linear Actuator Stroke To 48" (Maximum)	129,340.19	1,948.26
		For 316 Stainless Steel Coupling, Add	*1,920.00*	
23 09 23 11-0219	EA	Linear Actuator Stroke To 62" (Maximum)	166,890.28	2,275.69
		For 316 Stainless Steel Coupling, Add	*1,920.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0220		**Electro-Hydraulic Valve Actuators, Model 2500** *(23 09 23 11-0210)* Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump, hand pump included. Trident Actuator Company.		
23 09 23 11-0221	EA	Valve Torque To 13,000 Lb. (Maximum)	61,632.07	1,299.88
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0222	EA	Valve Torque To 45,000 Lb. (Maximum)	101,390.93	1,624.84
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0223	EA	Valve Torque To 90,000 Lb. (Maximum)	203,130.59	1,948.26
		For 316 Stainless Steel Coupling, Add	*1,440.00*	
23 09 23 11-0224		**Electro-Hydraulic Linear Actuators, Model 3500** *(23 09 23 11-0210)* Note: Fail safe, 90 degree valve torque, NEMA 6P/7 actuator enclosure, 316 stainless steel components (base plate, actuator enclosure fittings and tubing), positive displacement gear pump. Trident Actuator Company.		
23 09 23 11-0225	EA	Linear Actuator Stroke To 24" (Maximum)	102,216.79	1,299.88
		For 316 Stainless Steel Coupling, Add	*1,080.00*	
23 09 23 11-0226	EA	Linear Actuator Stroke To 36" (Maximum)	132,382.90	1,624.84
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0227	EA	Linear Actuator Stroke To 48" (Maximum)	180,993.47	1,948.26
		For 316 Stainless Steel Coupling, Add	*1,200.00*	
23 09 23 11-0228	EA	Linear Actuator Stroke To 62" (Maximum)	218,543.56	2,275.69
		For 316 Stainless Steel Coupling, Add	*1,920.00*	
23 09 23 11-0229		**Electro-Hydraulic Accessories Trident Actuator Company** *(23 09 23 11-0210)*		
23 09 23 11-0230	EA	NEMA 4X Controller, With Push Button (For Model 2000 And 3000)	36,978.74	779.67
23 09 23 11-0231	EA	NEMA 4X Controller, With Push Button (For Model 2500 And 3500)	42,304.15	779.67
23 09 23 11-0232	EA	AB 500 Touch Screen (For Model 2000 And 3000)	11,869.33	162.49
23 09 23 11-0233	EA	AB 500 Touch Screen (For Model 2500 And 3500)	13,906.57	162.49
23 09 23 11-0234		**Beck Valve And Damper Actuators** *(23 09 23 11)*		
23 09 23 11-0235		**Group 11, Beck Valve And Damper Actuators** *(23 09 23 11-0234)*		
23 09 23 11-0236		**Linkage Connected, Group 11 Actuators** *(23 09 23 11-0235)* Note: Labor is excluded from the actuator material tasks. Separate labor tasks are available based on valve size.		
23 09 23 11-0237	EA	20 Lb.-FT, 20 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-20-20-0)	7,238.61	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0238	EA	40 Lb.-FT, 20 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-40-20-0)	7,854.23	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0239	EA	40 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-40-40-0)	7,238.61	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0240	EA	60 Lb.-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-60-60-0)	7,238.61	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0241	EA	80 Lb.-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-80-24-0)	8,650.58	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0242	EA	80 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-80-40-0)	7,854.23	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0243	EA	80 Lb.-FT, 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-159-80-90-0)	7,238.61	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0244	EA	125 Lb.-FT, 20 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-125-20-0)	10,592.79	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0245	EA	125 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-125-40-0)	9,907.66	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0246	EA	175 Lb.-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-175-60-0)	9,907.66	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0247	EA	250 Lb.-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-250-24-0)	11,982.92	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0248	EA	250 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-250-40-0)	9,890.08	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0249	EA	250 Lb.-FT, 75 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-209-250-75-0)	9,907.66	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0250	EA	300 Lb.-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-300-24-0)	12,658.13	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0251	EA	300 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-300-40-0)	11,361.33	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0252	EA	300 Lb.-FT, 100 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-300-100-0)	10,741.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0253	EA	400 Lb.-FT, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-400-36-0)	12,658.13	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0254	EA	400 Lb.-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-400-60-0)	11,361.33	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0255	EA	550 Lb.-FT, 75 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-550-75-0)	11,361.33	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0256	EA	650 Lb.-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-650-60-0)	12,658.13	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0257	EA	650 Lb.-FT, 100 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-309-650-100-0)	11,361.33	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0258	EA	350 Lb.-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-350-24-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0259	EA	550 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-550-40-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0260	EA	650 Lb.-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-650-24-0)	18,321.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0261	EA	800 Lb.-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-800-60-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0262	EA	1,000 Lb.-FT, 24 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1000-24-0)	20,784.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0263	EA	1,000 Lb.-FT, 40 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1000-40-0)	18,321.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0264	EA	1,000 Lb.-FT, 75 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1000-75-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0265	EA	1,500 Lb.-FT, 100 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1500-100-0)	15,277.53	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0266	EA	1,800 Lb.-FT, 60 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1800-60-0)	18,321.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0267	EA	1,800 Lb.-FT, 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-409-1800-36-0)	20,784.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0268	EA	20 Lb.-FT, 20 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-20-20-0)	5,332.14	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0269	EA	40 Lb.-FT, 20 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-40-20-0)	5,949.76	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0270	EA	40 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-40-40-0)	5,332.14	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0271	EA	60 Lb.-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-60-60-0)	5,332.14	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0272	EA	80 Lb.-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-80-24-0)	6,746.10	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0273	EA	80 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-80-40-0)	5,949.76	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0274	EA	80 Lb.-FT, 90 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-157-80-90-0)	5,332.14	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0275	EA	125 Lb.-FT, 20 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-125-20-0)	8,825.34	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0276	EA	125 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-125-40-0)	8,138.22	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0277	EA	175 Lb.-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-175-60-0)	8,138.22	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0278	EA	250 Lb.-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-250-24-0)	10,215.47	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0279	EA	250 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-250-40-0)	8,825.34	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0280	EA	250 Lb.-FT, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-207-250-75-0)	8,138.22	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0281	EA	300 Lb.-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-300-24-0)	11,013.80	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0282	EA	300 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-300-40-0)	9,717.01	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0283	EA	300 Lb.-FT, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-300-100-0)	9,099.39	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0284	EA	400 Lb.-FT, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-400-36-0)	11,013.80	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0285	EA	400 Lb.-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-400-60-0)	9,717.01	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0286	EA	550 Lb.-FT, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-550-75-0)	9,717.01	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0287	EA	650 Lb.-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-650-60-0)	11,013.80	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0288	EA	650 Lb.-FT, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-307-650-100-0)	9,717.01	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0289	EA	350 Lb.-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-350-24-0)	13,702.71	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0290	EA	550 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-550-40-0)	13,702.71	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0291	EA	650 Lb.-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-650-24-0)	16,788.80	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0292	EA	800 Lb.-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-800-60-0)	13,702.71	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0293	EA	1,000 Lb.-FT, 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1000-24-0)	19,251.31	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0294	EA	1,000 Lb.-FT, 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1000-40-0)	16,788.80	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0295	EA	1,000 Lb.-FT, 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1000-75-0)	13,702.71	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0296	EA	1,500 Lb.-FT, 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1500-100-0)	13,702.71	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0297	EA	1,800 Lb.-FT, 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1800-60-0)	16,788.80	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0298	EA	1,800 Lb.-FT, 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-407-1800-36-0)	19,251.31	
		Note: Internal film potentiometer is used. Auxiliary potentiometer available for position sensing.		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0299	EA	20 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-20-20-0)	5,439.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0300	EA	40 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-40-20-0)	6,057.00	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0301	EA	40 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-40-40-0)	5,439.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0302	EA	60 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-60-60-0)	5,439.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0303	EA	80 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-80-24-0)	6,853.34	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0304	EA	80 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-80-40-0)	6,057.00	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0305	EA	80 Lb.-FT, 90 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-156-80-90-0)	5,439.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0306	EA	125 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-125-20-0)	8,928.61	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0307	EA	125 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-125-40-0)	8,241.48	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0308	EA	175 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-175-60-0)	8,241.48	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0309	EA	250 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-250-24-0)	10,316.75	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0310	EA	250 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-250-40-0)	8,928.61	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0311	EA	250 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-206-250-75-0)	8,241.48	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0312	EA	300 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-300-24-0)	11,103.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0313	EA	300 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-300-40-0)	9,806.37	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0314	EA	300 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-300-100-0)	9,186.77	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0315	EA	400 Lb.-FT, 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-400-36-0)	11,103.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0316	EA	400 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-400-60-0)	9,806.37	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0317	EA	550 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-550-75-0)	9,806.37	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0318	EA	650 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-650-60-0)	11,103.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0319	EA	650 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-306-650-100-0)	9,806.37	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0320	EA	350 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-350-24-0)	13,778.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0321	EA	550 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-550-40-0)	13,778.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0322	EA	650 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-650-24-0)	16,864.26	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0323	EA	800 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-800-60-0)	13,778.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0324	EA	1,000 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1000-24-0)	19,326.78	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0325	EA	1,000 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1000-40-0)	16,864.26	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0326	EA	1,000 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1000-75-0)	13,778.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0327	EA	1,500 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1500-100-0)	13,778.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0328	EA	1,800 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1800-60-0)	16,864.26	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0329	EA	1,800 Lb.-FT, 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-406-1800-36-0)	19,326.78	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0330	EA	20 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-20-20-0)	4,186.28	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0331	EA	40 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-40-20-0)	4,803.89	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0332	EA	40 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-40-40-0)	4,186.28	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0333	EA	60 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-60-60-0)	4,186.28	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0334	EA	80 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-80-24-0)	5,600.24	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0335	EA	80 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-80-40-0)	4,803.89	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0336	EA	80 Lb.-FT, 90 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-155-80-90-0)	4,186.28	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0337	EA	125 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-125-20-0)	7,814.52	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0338	EA	125 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-125-40-0)	7,127.40	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0339	EA	175 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-175-60-0)	7,127.40	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0340	EA	250 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-250-24-0)	9,204.65	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0341	EA	250 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-250-40-0)	7,814.52	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0342	EA	250 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-205-250-75-0)	7,127.40	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0343	EA	300 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-300-24-0)	10,072.48	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0344	EA	300 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-300-40-0)	8,775.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0345	EA	300 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-300-100-0)	8,156.09	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0346	EA	400 Lb.-FT, 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-400-36-0)	10,072.48	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0347	EA	400 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-400-60-0)	8,775.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0348	EA	550 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-550-75-0)	8,775.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0349	EA	650 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-650-60-0)	10,072.48	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0350	EA	650 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-305-650-100-0)	8,775.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0351	EA	350 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-350-24-0)	12,813.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0352	EA	550 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-550-40-0)	12,813.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0353	EA	650 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-650-24-0)	15,899.12	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0354	EA	800 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-800-60-0)	12,813.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0355	EA	1,000 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1000-24-0)	18,361.63	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0356	EA	1,000 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1000-40-0)	15,899.12	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0357	EA	1,000 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1000-75-0)	12,813.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0358	EA	1,500 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1500-100-0)	12,813.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0359	EA	1,800 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1800-60-0)	15,899.12	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0360	EA	1,800 Lb.-FT, 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-405-1800-36-0)	18,361.63	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0361	EA	20 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-20-20-0)	3,550.79	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0362	EA	40 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-40-20-0)	4,168.40	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0363	EA	40 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-40-40-0)	3,550.79	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0364	EA	60 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-60-60-0)	3,550.79	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0365	EA	80 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-80-24-0)	4,867.44	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0366	EA	80 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-80-40-0)	4,964.75	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0367	EA	80 Lb.-FT, 90 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-153-80-90-0)	3,550.79	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0368	EA	125 Lb.-FT, 20 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-125-20-0)	7,246.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0369	EA	125 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-125-40-0)	6,559.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0370	EA	175 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-175-60-0)	6,559.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0371	EA	250 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-250-24-0)	8,636.68	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0372	EA	250 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-250-40-0)	7,246.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0373	EA	250 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-203-250-75-0)	6,559.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0374	EA	300 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-300-24-0)	9,534.31	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0375	EA	300 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-300-40-0)	8,237.51	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0376	EA	300 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-300-100-0)	7,617.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0377	EA	400 Lb.-FT, 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-400-36-0)	9,534.31	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0378	EA	400 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-400-60-0)	8,237.51	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0379	EA	550 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-550-75-0)	8,237.51	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0380	EA	650 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-650-60-0)	9,534.31	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0381	EA	650 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-303-650-100-0)	8,237.51	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0382	EA	350 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-350-24-0)	12,314.57	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0383	EA	550 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-550-40-0)	12,314.57	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0384	EA	650 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-650-24-0)	15,400.65	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0385	EA	800 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-800-60-0)	12,314.57	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0386	EA	1,000 Lb.-FT, 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1000-24-0)	17,863.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0387	EA	1,000 Lb.-FT, 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1000-40-0)	15,400.65	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0388	EA	1,000 Lb.-FT, 75 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1000-75-0)	12,314.57	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0389	EA	1,500 Lb.-FT, 100 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1500-100-0)	12,314.57	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0390	EA	1,800 Lb.-FT, 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1800-60-0)	15,400.65	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0391	EA	1,800 Lb.-FT, 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator (Beck 11-403-1800-36-0)	17,863.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0392	EA	Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Diameter Valve	542.15	269.08
23 09 23 11-0393	EA	Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Diameter Valve	954.97	471.85
23 09 23 11-0394	EA	Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Diameter Valve	954.97	471.85
23 09 23 11-0395	EA	Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied Up To 24" Diameter Valve	1,457.32	724.03
23 09 23 11-0396	EA	Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Diameter Valve	691.36	343.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0397	EA	Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Diameter Valve	1,188.74	594.04
23 09 23 11-0398	EA	Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Diameter Valve	1,188.74	594.04
23 09 23 11-0399	EA	Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Contractor Supplied >24" Diameter Valve	1,770.68	844.92
23 09 23 11-0400	EA	Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Diameter Valve	691.36	343.16
23 09 23 11-0401	EA	Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Diameter Valve	1,188.74	594.04
23 09 23 11-0402	EA	Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Diameter Valve	1,188.74	594.04
23 09 23 11-0403	EA	Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied Up To 24" Diameter Valve	1,715.96	887.82
23 09 23 11-0404	EA	Labor To Install Drive Model 11-150 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Diameter Valve	870.42	430.26
23 09 23 11-0405	EA	Labor To Install Drive Model 11-200 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Diameter Valve	1,447.38	724.03
23 09 23 11-0406	EA	Labor To Install Drive Model 11-300 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Diameter Valve	1,447.38	724.03
23 09 23 11-0407	EA	Labor To Install Drive Model 11-400 Linkage Connected, Rotary Damper Drive and Actuator On Owner Supplied >24" Diameter Valve	2,128.79	1,056.80

23 09 23 11-0408 Direct Coupled, Group 11 Actuators *(23 09 23 11-0235)*

Note: Labor is excluded from the actuator material tasks. Separate labor tasks are available based on valve size.

23 09 23 11-0409	EA	20 FT-Lb., 18 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-20-18-0)	7,049.94
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0410	EA	40 FT-Lb., 18 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-40-18-0)	7,649.69
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0411	EA	40 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-40-36-0)	7,049.94
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0412	EA	60 FT-Lb., 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-60-54-0)	7,049.94
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0413	EA	80 FT-Lb., 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-80-22-0)	8,463.91
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0414	EA	80 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-80-36-0)	7,649.69
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0415	EA	80 FT-Lb., 81 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-169-80-81-0)	7,049.94
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*347.53*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*913.51*
23 09 23 11-0416	EA	125 FT-Lb., 18 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-125-18-0)	10,531.23
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*
		For 240 VAC, Add	*367.39*
		For Three Phase Power, Add	*685.14*
		For Torque Sensing, Add	*1,231.26*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0417	EA	125 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-125-36-0)	9,828.22	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0418	EA	175 FT-Lb., 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-175-54-0)	9,176.05	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0419	EA	250 FT-Lb., 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-250-22-0)	11,919.37	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0420	EA	250 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-250-36-0)	10,531.23	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0421	EA	250 FT-Lb., 68 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-269-250-68-0)	9,828.22	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0422	EA	300 FT-Lb., 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-300-22-0)	12,340.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0423	EA	300 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-300-36-0)	11,029.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0424	EA	300 FT-Lb., 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-300-90-0)	10,404.13	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0425	EA	400 FT-Lb., 32 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-400-32-0)	12,340.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0426	EA	400 FT-Lb., 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-400-54-0)	11,029.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0427	EA	550 FT-Lb., 68 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-550-68-0)	11,029.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0428	EA	650 FT-Lb., 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-650-54-0)	12,340.38	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0429	EA	650 FT-Lb., 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-369-650-90-0)	11,029.69	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0430	EA	350 FT-Lb., 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-350-22-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0431	EA	550 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-550-36-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0432	EA	650 FT-Lb., 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-650-22-0)	18,321.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0433	EA	800 FT-Lb., 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-800-54-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0434	EA	1,000 FT-Lb., 22 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1000-22-0)	20,784.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0435	EA	1,000 FT-Lb., 36 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1000-36-0)	18,321.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0436	EA	1,000 FT-Lb., 68 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1000-68-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0437	EA	1500 FT-Lb., 90 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1500-90-0)	15,235.82	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0438	EA	1,800 FT-Lb., 54 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1800-54-0)	20,784.43	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0439	EA	1,800 FT-Lb., 32 Seconds Timing, DCM, 4-20 mA Demand, 4-20 mA Feedback, Control Option 9, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-469-1800-32-0)	20,174.76	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0440	EA	20 FT-Lb., 18 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-20-18-0) Note: Internal film pot is used. Aux pot available for position sensing	5,171.28	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0441	EA	40 FT-Lb., 18 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-40-18-0)	5,771.03	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0442	EA	40 FT-Lb., 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-40-36-0)	5,171.28	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0443	EA	60 FT-Lb., 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-60-54-0)	5,171.28	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0444	EA	80 FT-Lb., 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-80-22-0)	6,585.24	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0445	EA	80 FT-Lb., 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-80-36-0)	5,771.03	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0446	EA	80 FT-Lb., 81 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-167-80-81-0)	5,171.28	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0447	EA	125 FT-Lb., 18 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-125-18-0)	8,769.73	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0448	EA	125 FT-Lb., 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-125-36-0)	8,066.73	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0449	EA	175 FT-Lb., 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-175-54-0)	8,066.73	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0450	EA	250 FT-Lb., 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-250-22-0)	10,159.86	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0451	EA	250 FT-Lb., 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-250-36-0)	8,769.73	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0452	EA	250 FT-Lb., 68 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-267-250-68-0)	8,066.73	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0453	EA	300 FT-Lb., 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-300-22-0)	10,698.04	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0454	EA	300 FT-Lb., 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-300-36-0)	9,387.35	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0455	EA	300 FT-Lb., 90 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-300-90-0)	8,759.80	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0456	EA	400 FT-Lb., 32 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-400-32-0)	10,698.04	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0457	EA	400 FT-Lb., 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-400-54-0)	9,387.35	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0458	EA	550 FT-Lb., 68 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-550-68-0)	9,387.35	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0459	EA	650 FT-Lb., 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-650-54-0)	10,698.04	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0460	EA	650 FT-Lb., 90 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-367-650-90-0)	9,387.35	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0461	EA	350 FT-Lb., 22 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-350-22-0)	13,702.71	
		Note: Internal film pot is used. Aux pot available for position sensing		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0462	EA	550 FT-Lb., 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-550-32-0)	13,702.71	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0463	EA	650 FT-Lb., 54 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-650-22-0)	16,788.80	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0464	EA	800 FT-Lb., 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-800-54-0)	13,702.71	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0465	EA	1,000 FT-Lb., 24 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1000-22-0)	19,251.31	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0466	EA	1,000 FT-Lb., 40 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1000-36-0)	16,788.80	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0467	EA	1,000 FT-Lb., 75 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1000-68-0)	13,702.71	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0468	EA	1500 FT-Lb., 100 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1500-90-0)	13,702.71	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0469	EA	1,800 FT-Lb., 60 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1800-54-0)	16,788.80	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0470	EA	1,800 FT-Lb., 36 Seconds Timing, ESR, 4-20 mA Demand, No Feedback, Control Option 7, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-467-1800-32-0)	19,251.31	
		Note: Internal film pot is used. Aux pot available for position sensing		
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0471	EA	20 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-20-18-0)	5,268.59	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0472	EA	40 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-40-18-0)	5,868.33	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0473	EA	40 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-40-36-0)	5,268.59	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0474	EA	60 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-60-54-0)	4,932.90	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0475	EA	80 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-80-22-0)	6,682.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0476	EA	80 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-80-36-0)	5,868.33	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0477	EA	80 FT-Lb., 81 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-166-80-81-0)	5,268.59	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0478	EA	125 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-125-18-0)	8,865.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0479	EA	125 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-125-36-0)	8,162.05	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0480	EA	175 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-175-54-0)	8,162.05	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0481	EA	250 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-250-22-0)	10,255.19	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0482	EA	250 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-250-36-0)	8,865.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0483	EA	250 FT-Lb., 68 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-266-250-68-0)	8,162.05	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0484	EA	300 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-300-22-0)	10,785.42	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0485	EA	300 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-300-36-0)	9,474.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0486	EA	300 FT-Lb., 90 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-300-90-0)	8,849.17	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0487	EA	400 FT-Lb., 32 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-400-32-0)	10,785.42	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0488	EA	400 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-400-54-0)	9,474.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0489	EA	550 FT-Lb., 68 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-550-68-0)	9,474.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0490	EA	650 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-650-54-0)	10,785.42	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0491	EA	650 FT-Lb., 90 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-366-650-90-0)	9,474.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0492	EA	350 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-350-24-0)	13,849.47	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0493	EA	550 FT-Lb., 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-550-40-0)	13,849.47	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0494	EA	650 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-650-24-0)	16,943.67	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0495	EA	800 FT-Lb., 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-800-60-0)	13,849.47	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0496	EA	1,000 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1000-24-0)	19,421.85	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0497	EA	1,000 FT-Lb., 40 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1000-40-0)	16,943.67	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0498	EA	1,000 FT-Lb., 75 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1000-75-0)	13,849.47	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0499	EA	1,500 FT-Lb., 100 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1500-100-0)	13,849.47	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0500	EA	1,800 FT-Lb., 60 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1800-60-0)	16,943.67	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0501	EA	1,800 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, 4-20 mA Feedback, Control Option 6, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-466-1800-36-0)	19,421.85	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0502	EA	20 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-20-18-0)	4,007.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0503	EA	40 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-40-18-0)	4,607.29	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0504	EA	40 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-40-36-0)	4,007.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0505	EA	60 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-60-54-0)	4,007.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0506	EA	80 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-80-22-0)	5,421.51	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0507	EA	80 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-80-36-0)	4,607.29	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0508	EA	80 FT-Lb., 81 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-165-80-81-0)	4,007.55	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0509	EA	125 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-125-18-0)	7,758.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0510	EA	125 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-125-36-0)	7,057.89	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0511	EA	175 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-175-54-0)	7,057.89	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0512	EA	250 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-250-22-0)	8,537.98	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0513	EA	250 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-250-36-0)	7,758.91	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0514	EA	250 FT-Lb., 68 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-265-250-68-0)	7,057.89	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0515	EA	300 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-300-22-0)	9,740.84	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0516	EA	300 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-300-36-0)	8,428.16	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0517	EA	300 FT-Lb., 90 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-300-90-0)	7,802.60	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0518	EA	400 FT-Lb., 32 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-400-32-0)	9,740.84	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0519	EA	400 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-400-54-0)	8,428.16	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0520	EA	550 FT-Lb., 68 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-550-68-0)	8,428.16	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0521	EA	650 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-650-54-0)	9,740.84	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0522	EA	650 FT-Lb., 90 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-365-650-90-0)	8,428.16	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0523	EA	350 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-350-24-0)	12,872.36	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0524	EA	550 FT-Lb., 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-550-40-0)	12,872.36	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0525	EA	650 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-650-24-0)	15,966.56	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0526	EA	800 FT-Lb., 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-800-60-0)	12,872.36	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0527	EA	1,000 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1000-24-0)	18,444.74	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0528	EA	1,000 FT-Lb., 40 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1000-40-0)	15,966.56	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0529	EA	1,000 FT-Lb., 75 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1000-75-0)	12,872.36	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0530	EA	1500 FT-Lb., 100 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1500-100-0)	12,872.36	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0531	EA	1,800 FT-Lb., 60 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1800-60-0)	15,966.56	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0532	EA	1,800 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Potentiometer For Position Sensing, Control Option 5, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-465-1800-36-0)	18,444.74	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0533	EA	20 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-20-18-0)	3,372.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0534	EA	40 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-40-18-0)	3,971.80	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0535	EA	40 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-40-36-0)	3,372.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0536	EA	60 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-60-54-0)	3,372.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0537	EA	80 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-80-22-0)	4,786.02	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0538	EA	80 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-80-36-0)	3,971.80	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0539	EA	80 FT-Lb., 81 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-160, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-163-80-81-0)	3,372.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*347.53*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*913.51*	
23 09 23 11-0540	EA	125 FT-Lb., 18 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-125-18-0)	7,175.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0541	EA	125 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-125-36-0)	6,474.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0542	EA	175 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-175-54-0)	6,474.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0543	EA	250 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-250-22-0)	8,565.19	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0544	EA	250 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-250-36-0)	7,175.06	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0545	EA	250 FT-Lb., 68 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-260, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-263-250-68-0)	6,474.03	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0546	EA	300 FT-Lb., 22 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-300-22-0)	9,216.56	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0547	EA	300 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-300-36-0)	7,905.87	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0548	EA	300 FT-Lb., 90 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-300-90-0)	7,278.32	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0549	EA	400 FT-Lb., 32 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-400-32-0)	9,216.56	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0550	EA	400 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-400-54-0)	7,905.87	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0551	EA	550 FT-Lb., 68 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-550-68-0)	7,905.87	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0552	EA	650 FT-Lb., 54 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-650-54-0)	9,216.56	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0553	EA	650 FT-Lb., 90 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-360, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-363-650-90-0)	7,905.87	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*367.39*	
		For Three Phase Power, Add	*685.14*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0554	EA	350 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-350-24-0)	12,314.57	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0555	EA	550 FT-Lb., 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-550-40-0)	12,376.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0556	EA	650 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-650-24-0)	15,470.92	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0557	EA	800 FT-Lb., 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-800-60-0)	12,376.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0558	EA	1,000 FT-Lb., 24 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1000-24-0)	17,949.10	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0559	EA	1,000 FT-Lb., 40 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1000-40-0)	15,470.92	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0560	EA	1,000 FT-Lb., 75 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1000-75-0)	12,376.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0561	EA	1,500 FT-Lb., 100 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1500-100-0)	12,376.73	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0562	EA	1,800 FT-Lb., 60 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1800-60-0)	15,470.92	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0563	EA	1,800 FT-Lb., 36 Seconds Timing, 120 Volt AC Control, Open/Close Operation, Control Option 3, Drive Model 11-460, Direct Coupled, Rotary Damper Drive and Actuator (Beck 11-463-1800-36-0)	17,949.10	
		For Two Auxiliary SPDT Limit Switches, Add	*287.96*	
		For Four Auxiliary SPDT Limit Switches, Add	*565.98*	
		For 240 VAC, Add	*426.97*	
		For Three Phase Power, Add	*1,489.42*	
		For Torque Sensing, Add	*1,231.26*	
23 09 23 11-0564	EA	Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Contractor Supplied Up To 3" Diameter Valve	449.76	224.59
23 09 23 11-0565	EA	Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Contractor Supplied >3" Diameter Valve	586.24	293.28
23 09 23 11-0566	EA	Labor To Install Drive Model 11-260 Rotary Damper Drive and Actuator On Contractor Supplied >3" Diameter Valve	772.13	385.77
23 09 23 11-0567	EA	Labor To Install Drive Model 11-360 Rotary Damper Drive and Actuator On Contractor Supplied >3" Diameter Valve	946.31	472.96
23 09 23 11-0568	EA	Labor To Install Drive Model 11-460 Rotary Damper Drive and Actuator On Contractor Supplied >3" Diameter Valve	1,791.23	895.72
23 09 23 11-0569	EA	Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Owner Supplied Up To 3" Diameter Valve	586.24	293.28
23 09 23 11-0570	EA	Labor To Install Drive Model 11-160 Rotary Damper Drive and Actuator On Owner Supplied >3" Diameter Valve	772.13	385.77
23 09 23 11-0571	EA	Labor To Install Drive Model 11-260 Rotary Damper Drive and Actuator On Owner Supplied >3" Diameter Valve	946.31	472.96
23 09 23 11-0572	EA	Labor To Install Drive Model 11-360 Rotary Damper Drive and Actuator On Owner Supplied >3" Diameter Valve	1,110.09	554.87
23 09 23 11-0573	EA	Labor To Install Drive Model 11-460 Rotary Damper Drive and Actuator On Owner Supplied >3" Diameter Valve	2,092.80	1,046.32

23 09 23 11-0574 Group 11 Spare Parts *(23 09 23 11-0235)*

23 09 23 11-0575	EA	Over-Travel Limit Switch Assembly, CW/CCW, Spare Part (Beck 20-3202-10)	113.89	
23 09 23 11-0576	EA	Two Switches, Auxiliary Limit Switch Assembly, S1/S2, Spare Part (Beck 20-3202-11)	113.89	
23 09 23 11-0577	EA	Four Switch, Auxiliary Limit Switch Assembly, S1/S2/S3/S4, Spare Part (Beck 20-3202-12)	214.48	
23 09 23 11-0578	EA	R.H. Switch Assembly, Spare Part (Beck 20-3200-03)	144.57	
23 09 23 11-0579	EA	L.H. Switch Assembly, Spare Part (Beck 20-3200-04)	144.57	
23 09 23 11-0580	EA	Handswitch, Spare Part (Beck 20-3300-17)	456.76	
23 09 23 11-0581	EA	14 Oz Grease Can, Spare Part (Beck 19-0000-01)	86.39	
23 09 23 11-0582	EA	Control Option 9 Actuators, CPS Feedback Module, Spare Part (Beck 20-3400-09)	1,995.83	
23 09 23 11-0583	EA	Control Option 9 Actuators, DCM-2 Digital Input Board, Spare Part (Beck 22-5012-59)	3,217.16	
23 09 23 11-0584	EA	Control Option 9 Actuators, 7 Amperes, Fuse for DCM (Pack of 5), Spare Part (Beck 11-1373-01)	37.73	
23 09 23 11-0585	EA	Control Option 5 To 8 Actuators, Film Potentiometer, Spare Part (Beck 20-3060-03)	522.29	
23 09 23 11-0586	EA	Control Option 5 To 8 Actuators, ESR-4 Analog Input Board, Spare Part (Beck 13-2245-xx)	2,075.27	
23 09 23 11-0587	EA	Control Option 5 To 8 Actuators, 6 Amperes, Fuse for ESR (Pack of 5), Spare Part (Beck 13-2230-03)	56.80	
23 09 23 11-0588	EA	Model 11-150 Gasket Replacement Kit, Spare Part (Beck 20-3110-01)	28.80	
23 09 23 11-0589	EA	Model 11-200/300 Gasket Replacement Kit, Spare Part (Beck 20-3110-02)	25.82	
23 09 23 11-0590	EA	Model 11-400 Gasket Replacement Kit, Spare Part (Beck 20-3110-03)	35.15	
23 09 23 11-0591	EA	Model 11-150 SLM Friction Kit, Spare Part (Beck 12-8060-05)	18.07	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0592	EA	Model 11-200/300 SLM Friction Kit, Spare Part (Beck 12-8060-07)	18.07	
23 09 23 11-0593	EA	Model 11-150/11-160 Control Motor, Spare Part (Beck 20-2700-20)	1,433.82	
23 09 23 11-0594	EA	Model 11-150/11-160 Resistor, Spare Part (Beck 11-5802-03)	38.92	
23 09 23 11-0595	EA	Model 11-150/11-160 Capacitor, Spare Part (Beck 14-2840-02)	41.90	
23 09 23 11-0596	EA	Model 11-150/11-160 Control Motor, Spare Part (Beck 20-2701-20)	1,622.48	
23 09 23 11-0597	EA	Model 11-150/11-160 Resistor, Spare Part (Beck 11-5802-02)	38.92	
23 09 23 11-0598	EA	Model 11-150/11-160 Capacitor, Spare Part (Beck 14-2840-11)	44.19	
23 09 23 11-0599	EA	Model 11-200 Control Motor, Spare Part (Beck 20-2704-21)	1,757.52	
23 09 23 11-0600	EA	Model 11-200 Resistor, Spare Part (Beck 20-1971-13)	111.21	
23 09 23 11-0601	EA	Model 11-200 Capacitor, Spare Part (Beck 14-2840-16)	49.85	
23 09 23 11-0602	EA	Model 11-300 Control Motor, Spare Part (Beck 20-2705-21)	2,184.49	
23 09 23 11-0603	EA	Model 11-300 Resistor, Spare Part (Beck 20-1971-12)	144.57	
23 09 23 11-0604	EA	Model 11-300 Capacitor, Spare Part (Beck 14-2840-05)	49.85	
23 09 23 11-0605	EA	Model 11-400 Control Motor, Spare Part (Beck 20-2201-31)	6,060.97	
23 09 23 11-0606	EA	Model 11-400 Resistor, Spare Part (Beck 20-1971-03)	191.14	
23 09 23 11-0607	EA	Model 11-400 Capacitor, Spare Part (Beck 14-2840-17)	80.63	
23 09 23 11-0608	EA	Model 11-400 Control Motor, Spare Part (Beck 20-2201-32)	8,078.64	
23 09 23 11-0609	EA	Model 11-400 Resistor, Spare Part (Beck 20-1971-04)	268.59	
23 09 23 11-0610	EA	Model 11-400 Capacitor, Spare Part (Beck 14-2840-15)	105.45	
23 09 23 11-0611	EA	Model 11-400 Control Motor, Spare Part (Beck 20-2201-33)	9,323.80	
23 09 23 11-0612	EA	Model 11-400 Resistor, Spare Part (Beck 20-1971-06)	264.72	
23 09 23 11-0613	EA	Model 11-400 Capacitor, Spare Part (Beck 14-2840-09)	41.90	
23 09 23 11-0614	EA	Model 11-400 Capacitor, Spare Part (Beck 14-2840-15)	105.45	

23 09 23 11-0615 Group 29, Beck Valve And Damper Actuators *(23 09 23 11-0234)*

23 09 23 11-0616 Linear, Group 29 Actuators *(23 09 23 11-0615)*

Note: Labor is excluded from the actuator material tasks. Separate labor tasks are available based on valve size.

23 09 23 11-0617	EA	Modulating Control, 1,000 Lb. Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-109)	10,833.08	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0618	EA	Modulating Control, 1,700 Lb. Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-259)	13,482.28	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0619	EA	Modulating Control, 2,100 Lb. Thrust, 12.4 Seconds/Inch, Linear Valve Actuator (Beck 29-259)	13,482.28	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0620	EA	Modulating Control, 2,700 Lb. Thrust, 15 Seconds/Inch, Linear Valve Actuator (Beck 29-259)	13,482.28	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0621	EA	Modulating Control, 2,100 Lb. Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-609)	16,278.42	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0622	EA	Modulating Control, 2,600 Lb. Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-609)	16,278.42	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0623	EA	Modulating Control, 3,200 Lb. Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-609)	16,278.42	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0624	EA	Modulating Control, 4,100 Lb. Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-609)	19,612.75	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0625	EA	Modulating Control, 5,000 Lb. Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-609)	19,612.75	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0626	EA	Modulating Control, 6,100 Lb. Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-609)	19,612.75	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0627	EA	On/Off Control, 1,000 Lb. Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-103)	7,149.24	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0628	EA	On/Off Control, 1,700 Lb. Thrust, 10 Seconds/Inch, Linear Valve Actuator (Beck 29-253)	10,193.62	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0629	EA	On/Off Control, 2,100 Lb. Thrust, 12.4 Seconds/Inch, Linear Valve Actuator (Beck 29-253)	10,193.62	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0630	EA	On/Off Control, 2,700 Lb. Thrust, 15 Seconds/Inch, Linear Valve Actuator (Beck 29-253)	10,193.62	
		For 240 VAC, Add	*367.39*	
23 09 23 11-0631	EA	On/Off Control, 2,100 Lb. Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-603)	13,454.47	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0632	EA	On/Off Control, 2,600 Lb. Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-603)	13,454.47	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0633	EA	On/Off Control, 3,200 Lb. Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-603)	13,454.47	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0634	EA	On/Off Control, 4,100 Lb. Thrust, 9.4 Seconds/Inch, Linear Valve Actuator (Beck 29-603)	16,695.46	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0635	EA	On/Off Control, 5,000 Lb. Thrust, 11.6 Seconds/Inch, Linear Valve Actuator (Beck 29-603)	16,695.46	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0636	EA	On/Off Control, 6,100 Lb. Thrust, 14 Seconds/Inch, Linear Valve Actuator (Beck 29-603)	16,695.46	
		For 240 VAC, Add	*421.01*	
23 09 23 11-0637	EA	Labor To Install Linear Actuator On Contractor Supplied Up To 1-1/2" Diameter Fisher Valve	332.77	166.46
23 09 23 11-0638	EA	Labor To Install Linear Actuator On Contractor Supplied >1-1/2" To 6" Diameter Fisher Valve	475.76	237.80
23 09 23 11-0639	EA	Labor To Install Linear Actuator On Contractor Supplied >6" Diameter Fisher Valve	993.11	496.74
23 09 23 11-0640	EA	Labor To Install Linear Actuator On Contractor Supplied Up To 1-1/2" Diameter Other Brand Valve	438.06	219.31
23 09 23 11-0641	EA	Labor To Install Linear Actuator On Contractor Supplied >1-1/2" To 6" Diameter Other Brand Valve	581.05	290.65
23 09 23 11-0642	EA	Labor To Install Linear Actuator On Contractor Supplied >6" Diameter Other Brand Valve	1,099.70	549.59
23 09 23 11-0643	EA	Labor To Install Linear Actuator On Owner Supplied Up To 1-1/2" Diameter Fisher Valve	412.06	206.09
23 09 23 11-0644	EA	Labor To Install Linear Actuator On Owner Supplied >1-1/2" To 6" Diameter Fisher Valve	591.45	295.93
23 09 23 11-0645	EA	Labor To Install Linear Actuator On Owner Supplied >6" Diameter Fisher Valve	1,246.58	623.56
23 09 23 11-0646	EA	Labor To Install Linear Actuator On Owner Supplied Up To 1-1/2" Diameter Other Brand Valve	555.05	277.43
23 09 23 11-0647	EA	Labor To Install Linear Actuator On Owner Supplied >1-1/2" To 6" Diameter Other Brand Valve	708.43	354.05
23 09 23 11-0648	EA	Labor To Install Linear Actuator On Owner Supplied >6" Diameter Other Brand Valve	1,368.77	684.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0649		**Group 29 Spare Parts** *(23 09 23 11-0615)*		
23 09 23 11-0650	EA	Model 29, 3.0 N_m Motor With SLM (Motor 20-2703-46) (Beck 12-8063-31)	2,645.22	
23 09 23 11-0651	EA	Model 29, Resistor/Capacitor (Beck 12-8063-11)	222.42	
23 09 23 11-0652	EA	Model 29, 6.0 N_m Motor With SLM (Motor 20-2703-47) (Beck 12-8063-21)	4,239.90	
23 09 23 11-0653	EA	Model 29, Resistor/Capacitor (Beck 12-8063-13)	194.62	
23 09 23 11-0654	EA	Model 29, 7.0 N_m Motor With SLM (Motor 20-2201-42) (Beck 12-8063-41)	4,365.01	
23 09 23 11-0655	EA	Model 29, Resistor/Capacitor (Beck 12-8063-15)	283.98	
23 09 23 11-0656	EA	Model 29, 14.0 N_m Motor With SLM (Motor 20-2201-46) (Beck 12-8063-51)	7,099.59	
23 09 23 11-0657	EA	Model 29, Resistor/Capacitor (Beck 12-8063-17)	448.52	
23 09 23 11-0658	EA	Model 29, Handswitch (Option 3) (Handswitch 20-3310-15) (Beck 12-8063-19)	506.80	
23 09 23 11-0659	EA	Model 29, Handswitch (Option 9) (Handswitch 20-3310-16) (Beck 12-8063-20)	506.80	
23 09 23 11-0660	EA	Model 29, Limit Switch (Beck 12-8063-55)	305.83	
23 09 23 11-0661	EA	Model 29, Digital Control Module (DCM) (Beck 12-8063-02)	3,266.81	
23 09 23 11-0662	EA	Model 29, Control End (Option 3) (23-2501-01) (Beck 12-8063-25)	1,837.95	
23 09 23 11-0663	EA	Model 29, Control End (Option 9) (23-2500-02) (Beck 12-8063-05)	1,846.49	
23 09 23 11-0664	EA	Model 29, Switch Assembly, CPS-4 (20-3200-21) (Beck 12-8063-06)	635.49	
23 09 23 11-0665	EA	Model 29, PC Board, CPS-4 (Beck 12-8063-07)	2,033.56	
23 09 23 11-0666		**Options, Beck Valve And Damper Actuators** *(23 09 23 11-0234)*		
23 09 23 11-0667	EA	Auxiliary Handswitch Contact Option Note: One of two special handswitches can be supplied that includes an extra set of two contacts. Specify contact closed or open in AUTO.	190.65	
23 09 23 11-0668	EA	Lockable Handswitch Option Note: Includes a riveted plate and knob with rings that allow use of a customer supplied padlock.	208.52	
23 09 23 11-0669	EA	Metal Tags Option Note: Stainless Steel tag may be riveted or wired to drive and includes customer specified tag information	54.22	
23 09 23 11-0670	EA	Tropicalization Option Note: Protective varnish applied to organic material, and internal body cavities are painted. Inhibits fungus growth.	1,168.70	
23 09 23 11-0671	EA	DPDT Relay Option Note: Relay may be used for control override (e.g. BLRBAC), or to provide dry contacts for alarm annunciation.	478.60	
23 09 23 11-0672	EA	2-Wire Control Option Note: Uses DPDT relay to provide open/close control (option 3/5 only).	478.60	
23 09 23 11-0673	EA	Model 11-150, Stall Protection Module Option Note: Provides shutoff and annunciation on stall or power failure.	436.90	
23 09 23 11-0674	EA	Model 11-200/300/400, 14-100, Stall Protection Module Option Note: Provides shutoff and annunciation on stall or power failure.	796.35	
23 09 23 11-0675	EA	Current Draw <1 Ampere, Relay Board (Beck 13-2245-50) Option Note: Add solid state relay board to option 3/5/6 drive:	2,071.29	
23 09 23 11-0676	EA	24 Volt DC Pulsed Operation, Relay Board (Beck 13-2245-51) Option Note: Add solid state relay board to option 3/5/6 drive:	2,071.29	
23 09 23 11-0677	EA	Foundation Fieldbus Or Profibus PA DCM-2 Option Note: The drive may be ordered with a DCM capable of communicating via Foundation Fieldbus or Profibus PA instead of 4-20 mA/HART.	1,906.46	
23 09 23 11-0678	EA	Model 11-400 Three Phase Power Option Note: Integral transformer, 480 VAC, consult factory for other voltages.	1,487.44	
23 09 23 11-0679	EA	Model 11-150/200/300 Three Phase Power Option Note: Integral transformer, 480 VAC, consult factory for other voltages.	685.14	
23 09 23 11-0680	EA	Model 11-430 Three Phase Power Option Note: Integral transformer, 480 VAC, consult factory for other voltages.	1,593.68	
23 09 23 11-0681	EA	Metric Conduit Adaptors (Beck 20-0200-00) Note: Converts NPT threads to M20/M25.	110.42	
23 09 23 11-0682	EA	Adjustable 1/2 To 1-1/2", Model 11-150 Crank Arm Option (Beck 10-3491-25)	276.04	
23 09 23 11-0683	EA	Adjustable 5" To 7", Model 11-150 Crank Arm Option (Beck 10-3491-24)	276.04	
23 09 23 11-0684	EA	Adjustable 7" To 11-1/2", Model 11-150 Crank Arm Option (Beck 10-3491-12)	276.04	
23 09 23 11-0685	EA	Adjustable 1" To 3-5/8", Model 11-200 Crank Arm Option (Beck 14-7330-28)	285.97	
23 09 23 11-0686	EA	Adjustable 7-1/2" To 10", Model 11-200 Crank Arm Option (Beck 14-7330-29)	285.97	
23 09 23 11-0687	EA	Adjustable 10" To 15-1/4", Model 11-200 Crank Arm Option (Beck 14-7330-27)	285.97	
23 09 23 11-0688	EA	Adjustable 1" To 3-5/8", Model 11-300 Crank Arm Option (Beck 14-8010-36)	307.81	
23 09 23 11-0689	EA	Adjustable 7-1/2" To 10", Model 11-300 Crank Arm Option (Beck 14-8010-37)	307.81	
23 09 23 11-0690	EA	Adjustable 10" To 15-1/4", Model 11-300 Crank Arm Option (Beck 14-8010-35)	307.81	
23 09 23 11-0691	EA	Adjustable 2-3/4" To 6", Model 11-400 Crank Arm Option (Beck 14-8018-04)	977.06	
23 09 23 11-0692	EA	Adjustable 12" To 16", Model 11-400 Crank Arm Option (Beck 14-8018-05)	977.06	
23 09 23 11-0693		**Linkages, Beck Valve And Damper Actuators** *(23 09 23 11-0234)*		
23 09 23 11-0694	EA	Drive Model 11-150, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-05)	462.71	
23 09 23 11-0695	EA	Drive Model 11-200, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-05)	462.71	
23 09 23 11-0696	EA	Drive Model 11-300, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-06)	462.71	
23 09 23 11-0697	EA	Drive Model 11-400, 1" Pipe Size, Pipe Linkage Kit (Beck 20-1730-07)	462.71	
23 09 23 11-0698	EA	Drive Model 11-150, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-06)	558.04	
23 09 23 11-0699	EA	Drive Model 11-200, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-06)	558.04	
23 09 23 11-0700	EA	Drive Model 11-300, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-07)	555.33	
23 09 23 11-0701	EA	Drive Model 11-400, 1-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1740-08)	558.04	
23 09 23 11-0702	EA	Drive Model 11-200, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1750-05)	695.06	
23 09 23 11-0703	EA	Drive Model 11-300, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1750-06)	695.06	
23 09 23 11-0704	EA	Drive Model 11-400, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1750-07)	695.06	
23 09 23 11-0705	EA	Drive Model 11-430, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-13)	1,326.58	
23 09 23 11-0706	EA	Drive Model 22-X09, 2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-13)	1,326.58	
23 09 23 11-0707	EA	Drive Model 11-200, 2-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-05)	790.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0708	EA	Drive Model 11-300, 2-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-06)	790.39	
23 09 23 11-0709	EA	Drive Model 11-400, 2-1/2" Pipe Size, Pipe Linkage Kit (Beck 20-1760-07)	790.39	
23 09 23 11-0710	EA	Drive Model 11-430, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-10)	1,896.53	
23 09 23 11-0711	EA	Drive Model 11-430, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-09)	1,896.53	
23 09 23 11-0712	EA	Drive Model 22-X09, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-10)	1,896.53	
23 09 23 11-0713	EA	Drive Model 22-X09, 3" Pipe Size, Pipe Linkage Kit (Beck 20-1760-09)	1,896.53	
23 09 23 11-0714	EA	Drive Model 11-150 And 11-200, 9-1/2" To 11-1/2" Link Length (Beck 14-8300-22)	411.08	
23 09 23 11-0715	EA	Drive Model 11-150 And 11-201, 10-1/2" To 14-1/2" Link Length (Beck 14-8300-32)	411.08	
23 09 23 11-0716	EA	Drive Model 11-150 And 11-201, 14-1/2" To 18-1/2" Link Length (Beck 14-8300-04)	411.08	
23 09 23 11-0717	EA	Drive Model 11-150 And 11-201, 18" To 22" Link Length (Beck 14-8300-06)	411.08	
23 09 23 11-0718	EA	Drive Model 11-150 And 11-201, 22" To 26" Link Length (Beck 14-8300-16)	411.08	
23 09 23 11-0719	EA	Drive Model 11-300, 13-1/2" To 18" Link Length (Beck 14-8860-24)	452.79	
23 09 23 11-0720	EA	Drive Model 11-300, 17-1/2" To 22" Link Length (Beck 14-8860-08)	452.79	
23 09 23 11-0721	EA	Drive Model 11-300, 22" To 26-1/2" Link Length (Beck 14-8860-02)	452.79	
23 09 23 11-0722	EA	Drive Model 11-300, 26-1/2" To 31" Link Length (Beck 14-8860-04)	452.79	
23 09 23 11-0723	EA	Drive Model 11-400, 13-1/2" To 17-1/2" Link Length (Beck 15-0110-26)	496.48	
23 09 23 11-0724	EA	Drive Model 11-400, 18" To 22" Link Length (Beck 15-0110-20)	496.48	
23 09 23 11-0725	EA	Drive Model 11-400, 22" To 26" Link Length (Beck 15-0110-03)	496.48	
23 09 23 11-0726	EA	Drive Model 11-400, 26" To 30" Link Length (Beck 15-0110-22)	496.48	
23 09 23 11-0727	EA	Drive Model 11-400, 29" To 33" Link Length (Beck 15-0110-02)	496.48	

23 09 23 11-0728 Mounting Pedestals, Beck Valve And Damper Actuators *(23 09 23 11-0234)*

23 09 23 11-0729	EA	Model 11-150, 6-1/2" High, Generic Mounting Pedestals For Foot-Mounted Actuator (Beck 20-2815-63)	1,141.89	
23 09 23 11-0730	EA	Model 11-200/11-300, 8" High, Generic Mounting Pedestals For Foot-Mounted Actuator (Beck 20-2815-11)	1,221.33	
23 09 23 11-0731	EA	Model 11-400, 9-3/4" High, Generic Mounting Pedestals For Foot-Mounted Actuator (Beck 20-2815-08)	1,409.99	

23 09 23 11-0732 Hazardous Location Options, Beck Valve And Damper Actuators *(23 09 23 11-0234)*

23 09 23 11-0733	EA	Class 2, Div 2, Groups F And G Or ATEX Zone 22 Option (Beck 11-XXX)	546.12	
23 09 23 11-0734	EA	Class 1, Div 2, Groups C And D Or ATEX Zone 2 And 22 Option (Beck 11E-XXX)	1,628.44	
23 09 23 11-0735	EA	Most Model 11's Rapid Response Program	1,787.31	
23 09 23 11-0736	EA	Models 22-309/409/809 Rapid Response Program	4,210.11	

23 09 23 11-0737 Emerson Electric Valve Actuators *(23 09 23 11)*

23 09 23 11-0738	EA	296 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,055.76	224.88
23 09 23 11-0739	EA	1,000 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson Q5G2-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,624.05	270.37
23 09 23 11-0740	EA	2,180 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson R7L6-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,901.88	270.37
23 09 23 11-0741	EA	2,525 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MCG1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	13,856.83	343.16
23 09 23 11-0742	EA	5,000 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MEF3-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	16,067.86	431.55
23 09 23 11-0743	EA	7,500 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MFF3-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	16,618.42	471.85
23 09 23 11-0744	EA	366 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson P2G1-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	7,992.21	224.88
23 09 23 11-0745	EA	1,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson Q5G2-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,618.09	270.37
23 09 23 11-0746	EA	2,500 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson R7L6-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	11,048.77	343.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0747	EA	5,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MDF3-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	15,519.75	431.55
23 09 23 11-0748	EA	7,500 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MEF4-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	16,040.52	471.85
23 09 23 11-0749	EA	10,236 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MEF4-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	24,633.08	555.05
23 09 23 11-0750	EA	15,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson MFL5-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	24,831.52	595.34
23 09 23 11-0751	EA	30,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson WJMR-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	29,264.56	724.03
23 09 23 11-0752	EA	54,430 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, M2CP Electric Valve Actuator (Emerson WKSB-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	54,283.73	846.22
23 09 23 11-0753	EA	296 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	9,465.75	224.88
23 09 23 11-0754	EA	1,000 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,099.57	270.37
23 09 23 11-0755	EA	2,180 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	12,377.40	270.37
23 09 23 11-0756	EA	2,525 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	16,073.09	343.16
23 09 23 11-0757	EA	5,000 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	18,284.12	431.55
23 09 23 11-0758	EA	7,500 Torque Lb.-FT Output, 120/1/60 Volt, Manual Handwheel Override, Quarter Turn, TEC Electric Valve Actuator (Emerson P2G1-6) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	18,834.68	471.85
23 09 23 11-0759	EA	366 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson P2G1-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	9,616.67	224.88
23 09 23 11-0760	EA	1,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson Q5G2-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,395.47	270.37
23 09 23 11-0761	EA	2,500 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson R7L6-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	12,538.19	343.16
23 09 23 11-0762	EA	5,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MDF3-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	15,098.74	431.55
23 09 23 11-0763	EA	7,500 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MEF4-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	17,516.05	471.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0764	EA	10,236 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MFL5-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	26,108.60	555.05
23 09 23 11-0765	EA	15,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson MGL5-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	27,681.29	595.34
23 09 23 11-0766	EA	30,000 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson WJMR-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	30,740.08	724.03
23 09 23 11-0767	EA	54,430 Torque Lb.-FT Output, 460/3/60 Volt, Manual Handwheel Override, Quarter Turn, TEC 2 Electric Valve Actuator (Emerson WKSB-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	55,759.25	846.22
23 09 23 11-0768	EA	130/1,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 1.38" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 1DMA-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	7,606.57	270.37
23 09 23 11-0769	EA	289/3,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 2FMG-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,899.49	343.16
23 09 23 11-0770	EA	410/3,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 2GMG-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	12,652.23	431.55
23 09 23 11-0771	EA	794/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 3JPK-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	14,638.48	471.85
23 09 23 11-0772	EA	900/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 3KPK-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	18,818.36	555.05
23 09 23 11-0773	EA	1,278/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 4KPN-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	19,690.80	595.34
23 09 23 11-0774	EA	1,400/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 4LPN-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	25,083.90	724.03
23 09 23 11-0775	EA	1,900/90,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, M2CP Electric Valve Actuator (Emerson 5MPU-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	28,598.32	846.22
23 09 23 11-0776	EA	130/10,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 1.38" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 1DMA-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	8,412.97	270.37
23 09 23 11-0777	EA	289/30,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 2FMG-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	10,139.48	343.16
23 09 23 11-0778	EA	410/30,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 2.25" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 2GMG-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	14,042.36	431.55
23 09 23 11-0779	EA	794/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 3JPK-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	16,114.00	471.85
23 09 23 11-0780	EA	900/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 3KPK-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	20,293.88	555.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0781	EA	1,278/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 4KPN-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	24,090.72	595.34
23 09 23 11-0782	EA	1,400/45,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 4LPN-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	24,861.72	724.03
23 09 23 11-0783	EA	1,900/90,000 Torque Lb.-FT Output/Thrust, 460/3/60 Volt, 3.5" Max Stem Diameter, Manual Handwheel Override, Multi-turn, TEC 2 Electric Valve Actuator (Emerson 5MPU-3) Note: Integral controls: 3 buttons [open-close-stop], 2 push buttons [open-close] 3 position selector switch [local-off-remote], 2 torque switches, 2 limit switches, transformer, reversing contactor 600 statrs hr, 60 second operation, Nema 4, 4x, 6, IP67 standard	30,400.32	846.22

23 09 23 11-0784 Kerry Electric Actuators *(23 09 23 11)*

23 09 23 11-0785	EA	24 Volt DC, 10" Touch Screen, Circuit Breaker Disconnect, Stainless Steel Enclosure With Sub Panel (Kerry Electric 67-SP)	86,605.22	2,209.79
		For Explosion Proof Enclosure, Add	*15,471.35*	
23 09 23 11-0786	EA	24 Volt DC, Reversing Motor Starter, LED Digital Display Readout, NEMA 4X Enclosure (Kerry Electric 7600)	21,146.48	519.95
		For Explosion Proof Enclosure, Add	*15,471.35*	
23 09 23 11-0787	EA	5 HP, Gas Recoil Start Motor, Skid Mounted, Portable Power Unit	24,877.72	649.94
23 09 23 11-0788	EA	1 HP To 20 HP, 10" To 42" Stroke, Explsion Proof Linear Actuator (Kerry Electric JM)	104,926.89	2,599.75
		For Immersible Explosion Proof Motor, Add	*24,447.21*	
		For Manual Hand Pump, Add	*8,425.81*	
		For Failsafe System Design For One Action Of Failsafe, Add	*20,322.89*	
		For Explosion Proof And Submersible To 30' Indefinitely, Add	*20,386.75*	
23 09 23 11-0789	EA	1 HP To 20 HP, Explosion Proof, Rotary Actuator (Kerry Electric KRM)	135,130.37	3,379.69
23 09 23 11-0790	EA	Kerry Company Service And Training	6,151.46	

23 09 23 11-0791 Trident Electro-Hydraulic Actuators *(23 09 23 11)*

23 09 23 11-0792 Trident Electro-Hydraulic Actuators for Cone Valves *(23 09 23 11-0791)*

Note: Trident Fail Close Actuator meeting NEMA 4X and NEMA 6 standards includes 304 stainless steel enclosure and baseplate. Carbon steel mounting bracket. Power 120, 220, 480 VAC

23 09 23 11-0793	EA	Fail-Close Electro-Hydraulic Actuator For 6" And 8" Diameter Cone Valve Size (Trident Model 3500)	178,316.43	779.92
		For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add	*33,413.59*	
		For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add	*49,894.39*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*3,605.18*	
		For Testing: Operation and Submersible, Witness, Add	*4,532.22*	
23 09 23 11-0794	EA	Fail-Close Electro-Hydraulic Actuator H-100 For 1/4 Turn Valve, For 12", 14" And 16" Diameter Cone Valve Size (Trident Model 3500)	122,490.99	1,169.89
		For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add	*33,413.59*	
		For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add	*49,894.39*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*3,605.18*	
		For Testing: Operation and Submersible, Witness, Add	*4,532.22*	
23 09 23 11-0795	EA	Fail-Close Electro-Hydraulic Actuator H-125 For 1/4 Turn Valve, For 20" And 24" Diameter Cone Valve Size (Trident Model 3500)	135,260.91	1,624.84
		For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add	*33,413.59*	
		For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add	*49,894.39*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*3,605.18*	
		For Testing: Operation and Submersible, Witness, Add	*4,532.22*	
23 09 23 11-0796	EA	Fail-Close Electro-Hydraulic Actuator H-160 For 1/4 Turn Valve, For 30" And 36" Diameter Cone Valve Size (Trident Model 3500)	156,746.28	1,819.83
		For Control Panel, NEMA 12 Relay Logic (Trident 3500 MCP), Add	*33,413.59*	
		For Control Panel with HMI and PLC with Position Feedback (Trident 3500 MCP), Add	*49,894.39*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*3,605.18*	
		For Testing: Operation and Submersible, Witness, Add	*4,532.22*	
23 09 23 11-0797	EA	Fail-Close Electro-Hydraulic Actuator For 42" And 48" Diameter Cone Valve Size (Trident Model 3500)	180,786.20	2,014.81

23 09 23 11-0798 Trident Electro-Hydraulic Actuators for Ball, Plug or Butterfly Valves *(23 09 23 11-0791)*

Note: Trident Fail Close 1/4 turn Actuator meeting NEMA 4X and NEMA 6 standards includes 304 stainless steel enclosure and baseplate. Carbon steel coupling and mounting bracket. Power 120, 220, 480 VAC

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0799	EA	5,202 Max. Lb. Of Torque, Fail-Close Electro-Hydraulic Actuator H-80 For 1/4 Turn Valve (Trident Model 2500)	80,142.36	779.92
		For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add	*31,353.49*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*1,545.08*	
		For Testing: Operation and Submersible, Witness, Add	*1,545.08*	
23 09 23 11-0800	EA	10,621 Max. Lb. Of Torque, Fail-Close Electro-Hydraulic Actuator H-100 For 1/4 Turn Valve (Trident Model 2500)	83,433.56	1,169.89
		For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add	*31,353.49*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*1,545.08*	
		For Testing: Operation and Submersible, Witness, Add	*1,545.08*	
23 09 23 11-0801	EA	21,676 Max. Lb. Of Torque, Fail-Close Electro-Hydraulic Actuator H-125 For 1/4 Turn Valve (Trident Model 2500)	98,576.10	1,429.87
		For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add	*31,353.49*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*1,545.08*	
		For Testing: Operation and Submersible, Witness, Add	*1,545.08*	
23 09 23 11-0802	EA	36,127 Max. Lb. Of Torque, Fail-Close Electro-Hydraulic Actuator H-160 For 1/4 Turn Valve (Trident Model 2500)	120,415.83	1,624.84
		For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add	*31,353.49*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*1,545.08*	
		For Testing: Operation and Submersible, Witness, Add	*1,545.08*	
23 09 23 11-0803	EA	51,300 Max. Lb. Of Torque, Fail-Close Electro-Hydraulic Actuator H-180 For 1/4 Turn Valve (Trident Model 2500)	133,238.48	1,819.83
		For Control Panel, NEMA 12 Relay Logic (Trident 2500 MCP), Add	*31,353.49*	
		For Submersible Cable Per Foot (Trident A-41572), Add	*38.61*	
		Note: Pre-wired to Actuator.		
		For On Site Commissioning Start-Up, Add	*3,090.15*	
		For Preparation And Delivery Training, Add	*3,090.15*	
		For Mount And Set Up Valve/Actuator In MIH Shop, Add	*1,545.08*	
		For Testing: Operation and Submersible, Witness, Add	*1,545.08*	

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Volume Control Dampers (Ruskin) *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002 Rectangular Volume Control Dampers (Ruskin CD36) *(23 09 23 12-0001)*

23 09 23 12-0003	EA	8" x 8" Volume Control Damper (Ruskin CD36)	202.76	49.98
23 09 23 12-0004	EA	8" x 12" Volume Control Damper (Ruskin CD36)	217.45	49.98
23 09 23 12-0005	EA	8" x 16" Volume Control Damper (Ruskin CD36)	235.20	49.98
23 09 23 12-0006	EA	8" x 20" Volume Control Damper (Ruskin CD36)	309.53	66.63
23 09 23 12-0007	EA	8" x 24" Volume Control Damper (Ruskin CD36)	335.85	66.63
23 09 23 12-0008	EA	8" x 28" Volume Control Damper (Ruskin CD36)	350.54	66.63
23 09 23 12-0009	EA	8" x 32" Volume Control Damper (Ruskin CD36)	389.09	66.63
23 09 23 12-0010	EA	8" x 36" Volume Control Damper (Ruskin CD36)	460.36	83.29
23 09 23 12-0011	EA	12" x 8" Volume Control Damper (Ruskin CD36)	217.45	49.98
23 09 23 12-0012	EA	12" x 12" Volume Control Damper (Ruskin CD36)	226.02	49.98
23 09 23 12-0013	EA	12" x 16" Volume Control Damper (Ruskin CD36)	277.09	66.63
23 09 23 12-0014	EA	12" x 20" Volume Control Damper (Ruskin CD36)	318.10	66.63
23 09 23 12-0015	EA	12" x 24" Volume Control Damper (Ruskin CD36)	378.35	83.29
23 09 23 12-0016	EA	12" x 28" Volume Control Damper (Ruskin CD36)	393.04	83.29
23 09 23 12-0017	EA	12" x 32" Volume Control Damper (Ruskin CD36)	430.98	83.29
23 09 23 12-0018	EA	12" x 36" Volume Control Damper (Ruskin CD36)	502.24	99.94
23 09 23 12-0019	EA	16" x 8" Volume Control Damper (Ruskin CD36)	235.20	49.98
23 09 23 12-0020	EA	16" x 12" Volume Control Damper (Ruskin CD36)	288.72	66.63
23 09 23 12-0021	EA	16" x 16" Volume Control Damper (Ruskin CD36)	298.51	66.63
23 09 23 12-0022	EA	16" x 20" Volume Control Damper (Ruskin CD36)	360.60	83.29
23 09 23 12-0023	EA	16" x 24" Volume Control Damper (Ruskin CD36)	389.98	83.29
23 09 23 12-0024	EA	16" x 28" Volume Control Damper (Ruskin CD36)	443.48	99.94
23 09 23 12-0025	EA	16" x 32" Volume Control Damper (Ruskin CD36)	475.92	99.94
23 09 23 12-0026	EA	16" x 36" Volume Control Damper (Ruskin CD36)	511.42	99.94
23 09 23 12-0027	EA	20" x 8" Volume Control Damper (Ruskin CD36)	309.53	66.63
23 09 23 12-0028	EA	20" x 12" Volume Control Damper (Ruskin CD36)	271.58	66.63
23 09 23 12-0029	EA	20" x 16" Volume Control Damper (Ruskin CD36)	331.22	83.29
23 09 23 12-0030	EA	20" x 20" Volume Control Damper (Ruskin CD36)	369.17	83.29
23 09 23 12-0031	EA	20" x 24" Volume Control Damper (Ruskin CD36)	426.35	99.94
23 09 23 12-0032	EA	20" x 28" Volume Control Damper (Ruskin CD36)	461.23	99.94
23 09 23 12-0033	EA	20" x 32" Volume Control Damper (Ruskin CD36)	524.54	116.60
23 09 23 12-0034	EA	20" x 36" Volume Control Damper (Ruskin CD36)	556.37	116.60
23 09 23 12-0035	EA	24" x 8" Volume Control Damper (Ruskin CD36)	271.58	66.63
23 09 23 12-0036	EA	24" x 12" Volume Control Damper (Ruskin CD36)	313.47	83.29
23 09 23 12-0037	EA	24" x 16" Volume Control Damper (Ruskin CD36)	339.79	83.29
23 09 23 12-0038	EA	24" x 20" Volume Control Damper (Ruskin CD36)	414.11	99.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0039	EA	24" x 24" Volume Control Damper (Ruskin CD36)	441.04	99.94
23 09 23 12-0040	EA	24" x 28" Volume Control Damper (Ruskin CD36)	506.18	116.60
23 09 23 12-0041	EA	24" x 32" Volume Control Damper (Ruskin CD36)	544.74	116.60
23 09 23 12-0042	EA	24" x 36" Volume Control Damper (Ruskin CD36)	574.12	116.60
23 09 23 12-0043	EA	28" x 8" Volume Control Damper (Ruskin CD36)	277.09	66.63
23 09 23 12-0044	EA	28" x 12" Volume Control Damper (Ruskin CD36)	319.59	83.29
23 09 23 12-0045	EA	28" x 16" Volume Control Damper (Ruskin CD36)	376.16	99.94
23 09 23 12-0046	EA	28" x 20" Volume Control Damper (Ruskin CD36)	423.29	99.94
23 09 23 12-0047	EA	28" x 24" Volume Control Damper (Ruskin CD36)	479.86	116.60
23 09 23 12-0048	EA	28" x 28" Volume Control Damper (Ruskin CD36)	515.36	116.60
23 09 23 12-0049	EA	28" x 32" Volume Control Damper (Ruskin CD36)	547.80	116.60
23 09 23 12-0050	EA	28" x 36" Volume Control Damper (Ruskin CD36)	591.87	116.60
23 09 23 12-0051	EA	32" x 8" Volume Control Damper (Ruskin CD36)	280.15	66.63
23 09 23 12-0052	EA	32" x 12" Volume Control Damper (Ruskin CD36)	322.04	83.29
23 09 23 12-0053	EA	32" x 16" Volume Control Damper (Ruskin CD36)	384.73	99.94
23 09 23 12-0054	EA	32" x 20" Volume Control Damper (Ruskin CD36)	459.67	116.60
23 09 23 12-0055	EA	32" x 24" Volume Control Damper (Ruskin CD36)	494.55	116.60
23 09 23 12-0056	EA	32" x 28" Volume Control Damper (Ruskin CD36)	526.99	116.60
23 09 23 12-0057	EA	32" x 32" Volume Control Damper (Ruskin CD36)	562.49	116.60
23 09 23 12-0058	EA	32" x 36" Volume Control Damper (Ruskin CD36)	636.81	133.26
23 09 23 12-0059	EA	36" x 8" Volume Control Damper (Ruskin CD36)	325.10	83.29
23 09 23 12-0060	EA	36" x 12" Volume Control Damper (Ruskin CD36)	367.59	99.94
23 09 23 12-0061	EA	36" x 16" Volume Control Damper (Ruskin CD36)	393.91	99.94
23 09 23 12-0062	EA	36" x 20" Volume Control Damper (Ruskin CD36)	468.24	116.60
23 09 23 12-0063	EA	36" x 24" Volume Control Damper (Ruskin CD36)	506.18	116.60
23 09 23 12-0064	EA	36" x 28" Volume Control Damper (Ruskin CD36)	544.74	116.60
23 09 23 12-0065	EA	36" x 32" Volume Control Damper (Ruskin CD36)	607.43	133.26
23 09 23 12-0066	EA	36" x 36" Volume Control Damper (Ruskin CD36)	648.44	133.26
23 09 23 12-0067	EA	36" x 40" Volume Control Damper (Ruskin CD36)	683.93	133.26
23 09 23 12-0068	EA	36" x 44" Volume Control Damper (Ruskin CD36)	721.88	133.26
23 09 23 12-0069	EA	36" x 48" Volume Control Damper (Ruskin CD36)	754.32	133.26
23 09 23 12-0070	EA	36" x 52" Volume Control Damper (Ruskin CD36)	792.27	133.26
23 09 23 12-0071	EA	36" x 56" Volume Control Damper (Ruskin CD36)	830.83	133.26
23 09 23 12-0072	EA	36" x 60" Volume Control Damper (Ruskin CD36)	862.65	133.26
23 09 23 12-0073	EA	36" x 64" Volume Control Damper (Ruskin CD36)	906.72	133.26
23 09 23 12-0074	EA	36" x 68" Volume Control Damper (Ruskin CD36)	975.53	149.92
23 09 23 12-0075	EA	36" x 72" Volume Control Damper (Ruskin CD36)	1,040.40	149.92
23 09 23 12-0076	EA	36" x 76" Volume Control Damper (Ruskin CD36)	1,238.71	149.92
23 09 23 12-0077	EA	36" x 80" Volume Control Damper (Ruskin CD36)	1,238.71	149.92
23 09 23 12-0078	EA	36" x 84" Volume Control Damper (Ruskin CD36)	1,324.39	149.92
23 09 23 12-0079	EA	40" x 40" Volume Control Damper (Ruskin CD36)	698.62	133.26
23 09 23 12-0080	EA	40" x 44" Volume Control Damper (Ruskin CD36)	736.57	133.26
23 09 23 12-0081	EA	40" x 48" Volume Control Damper (Ruskin CD36)	774.52	133.26
23 09 23 12-0082	EA	40" x 52" Volume Control Damper (Ruskin CD36)	816.14	133.26
23 09 23 12-0083	EA	40" x 56" Volume Control Damper (Ruskin CD36)	851.02	133.26
23 09 23 12-0084	EA	40" x 60" Volume Control Damper (Ruskin CD36)	916.77	149.92
23 09 23 12-0085	EA	40" x 64" Volume Control Damper (Ruskin CD36)	960.84	149.92
23 09 23 12-0086	EA	40" x 68" Volume Control Damper (Ruskin CD36)	1,001.85	149.92
23 09 23 12-0087	EA	40" x 72" Volume Control Damper (Ruskin CD36)	1,063.66	149.92
23 09 23 12-0088	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,271.76	149.92
23 09 23 12-0089	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,271.76	149.92
23 09 23 12-0090	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,357.44	149.92
23 09 23 12-0091	EA	44" x 40" Volume Control Damper (Ruskin CD36)	715.76	133.26
23 09 23 12-0092	EA	44" x 44" Volume Control Damper (Ruskin CD36)	754.32	133.26
23 09 23 12-0093	EA	44" x 48" Volume Control Damper (Ruskin CD36)	792.27	133.26
23 09 23 12-0094	EA	44" x 52" Volume Control Damper (Ruskin CD36)	833.27	133.26
23 09 23 12-0095	EA	44" x 56" Volume Control Damper (Ruskin CD36)	902.08	149.92
23 09 23 12-0096	EA	44" x 60" Volume Control Damper (Ruskin CD36)	943.09	149.92
23 09 23 12-0097	EA	44" x 64" Volume Control Damper (Ruskin CD36)	981.65	149.92
23 09 23 12-0098	EA	44" x 68" Volume Control Damper (Ruskin CD36)	1,028.16	149.92
23 09 23 12-0099	EA	44" x 72" Volume Control Damper (Ruskin CD36)	1,089.98	149.92
23 09 23 12-0100	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,310.93	149.92
23 09 23 12-0101	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,310.93	149.92
23 09 23 12-0102	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,430.55	166.58
23 09 23 12-0103	EA	40" x 40" Volume Control Damper (Ruskin CD36)	698.62	133.26
23 09 23 12-0104	EA	40" x 44" Volume Control Damper (Ruskin CD36)	736.57	133.26
23 09 23 12-0105	EA	40" x 48" Volume Control Damper (Ruskin CD36)	774.52	133.26
23 09 23 12-0106	EA	40" x 52" Volume Control Damper (Ruskin CD36)	816.14	133.26
23 09 23 12-0107	EA	40" x 56" Volume Control Damper (Ruskin CD36)	851.02	133.26
23 09 23 12-0108	EA	40" x 60" Volume Control Damper (Ruskin CD36)	916.77	149.92
23 09 23 12-0109	EA	40" x 64" Volume Control Damper (Ruskin CD36)	960.84	149.92
23 09 23 12-0110	EA	40" x 68" Volume Control Damper (Ruskin CD36)	1,001.85	149.92
23 09 23 12-0111	EA	40" x 72" Volume Control Damper (Ruskin CD36)	1,063.66	149.92
23 09 23 12-0112	EA	40" x 76" Volume Control Damper (Ruskin CD36)	1,271.76	149.92
23 09 23 12-0113	EA	40" x 80" Volume Control Damper (Ruskin CD36)	1,271.76	149.92
23 09 23 12-0114	EA	40" x 84" Volume Control Damper (Ruskin CD36)	1,357.44	149.92
23 09 23 12-0115	EA	44" x 40" Volume Control Damper (Ruskin CD36)	715.76	133.26
23 09 23 12-0116	EA	44" x 44" Volume Control Damper (Ruskin CD36)	754.32	133.26
23 09 23 12-0117	EA	44" x 48" Volume Control Damper (Ruskin CD36)	792.27	133.26
23 09 23 12-0118	EA	44" x 52" Volume Control Damper (Ruskin CD36)	833.27	133.26
23 09 23 12-0119	EA	44" x 56" Volume Control Damper (Ruskin CD36)	902.08	149.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0120	EA	44" x 60" Volume Control Damper (Ruskin CD36)	943.09	149.92
23 09 23 12-0121	EA	44" x 64" Volume Control Damper (Ruskin CD36)	981.65	149.92
23 09 23 12-0122	EA	44" x 68" Volume Control Damper (Ruskin CD36)	1,028.16	149.92
23 09 23 12-0123	EA	44" x 72" Volume Control Damper (Ruskin CD36)	1,089.98	149.92
23 09 23 12-0124	EA	44" x 76" Volume Control Damper (Ruskin CD36)	1,310.93	149.92
23 09 23 12-0125	EA	44" x 80" Volume Control Damper (Ruskin CD36)	1,310.93	149.92
23 09 23 12-0126	EA	44" x 84" Volume Control Damper (Ruskin CD36)	1,430.55	166.58
23 09 23 12-0127	EA	48" x 40" Volume Control Damper (Ruskin CD36)	733.51	133.26
23 09 23 12-0128	EA	48" x 44" Volume Control Damper (Ruskin CD36)	772.07	133.26
23 09 23 12-0129	EA	48" x 48" Volume Control Damper (Ruskin CD36)	813.08	133.26
23 09 23 12-0130	EA	48" x 52" Volume Control Damper (Ruskin CD36)	887.39	149.92
23 09 23 12-0131	EA	48" x 56" Volume Control Damper (Ruskin CD36)	925.34	149.92
23 09 23 12-0132	EA	48" x 60" Volume Control Damper (Ruskin CD36)	960.84	149.92
23 09 23 12-0133	EA	48" x 64" Volume Control Damper (Ruskin CD36)	1,004.91	149.92
23 09 23 12-0134	EA	48" x 68" Volume Control Damper (Ruskin CD36)	1,048.97	149.92
23 09 23 12-0135	EA	48" x 72" Volume Control Damper (Ruskin CD36)	1,119.36	149.92
23 09 23 12-0136	EA	48" x 76" Volume Control Damper (Ruskin CD36)	1,384.03	166.58
23 09 23 12-0137	EA	48" x 80" Volume Control Damper (Ruskin CD36)	1,384.03	166.58
23 09 23 12-0138	EA	48" x 84" Volume Control Damper (Ruskin CD36)	1,470.33	166.58
23 09 23 12-0139	EA	52" x 40" Volume Control Damper (Ruskin CD36)	1,147.86	133.26
23 09 23 12-0140	EA	52" x 44" Volume Control Damper (Ruskin CD36)	1,206.62	133.26
23 09 23 12-0141	EA	52" x 48" Volume Control Damper (Ruskin CD36)	1,331.13	149.92
23 09 23 12-0142	EA	52" x 52" Volume Control Damper (Ruskin CD36)	1,413.14	149.92
23 09 23 12-0143	EA	52" x 56" Volume Control Damper (Ruskin CD36)	1,471.90	149.92
23 09 23 12-0144	EA	52" x 60" Volume Control Damper (Ruskin CD36)	1,539.83	149.92
23 09 23 12-0145	EA	52" x 64" Volume Control Damper (Ruskin CD36)	1,627.97	149.92
23 09 23 12-0146	EA	52" x 68" Volume Control Damper (Ruskin CD36)	1,721.61	149.92
23 09 23 12-0147	EA	52" x 72" Volume Control Damper (Ruskin CD36)	1,866.93	166.58
23 09 23 12-0148	EA	52" x 76" Volume Control Damper (Ruskin CD36)	2,078.09	166.58
23 09 23 12-0149	EA	52" x 80" Volume Control Damper (Ruskin CD36)	2,078.70	166.58
23 09 23 12-0150	EA	52" x 84" Volume Control Damper (Ruskin CD36)	2,210.29	166.58
23 09 23 12-0151	EA	56" x 40" Volume Control Damper (Ruskin CD36)	1,159.49	133.26
23 09 23 12-0152	EA	56" x 44" Volume Control Damper (Ruskin CD36)	1,260.74	149.92
23 09 23 12-0153	EA	56" x 48" Volume Control Damper (Ruskin CD36)	1,348.88	149.92
23 09 23 12-0154	EA	56" x 52" Volume Control Damper (Ruskin CD36)	1,422.32	149.92
23 09 23 12-0155	EA	56" x 56" Volume Control Damper (Ruskin CD36)	1,489.65	149.92
23 09 23 12-0156	EA	56" x 60" Volume Control Damper (Ruskin CD36)	1,566.15	149.92
23 09 23 12-0157	EA	56" x 64" Volume Control Damper (Ruskin CD36)	1,651.23	149.92
23 09 23 12-0158	EA	56" x 68" Volume Control Damper (Ruskin CD36)	1,790.43	166.58
23 09 23 12-0159	EA	56" x 72" Volume Control Damper (Ruskin CD36)	1,907.94	166.58
23 09 23 12-0160	EA	56" x 76" Volume Control Damper (Ruskin CD36)	2,078.09	166.58
23 09 23 12-0161	EA	56" x 80" Volume Control Damper (Ruskin CD36)	2,078.09	166.58
23 09 23 12-0162	EA	56" x 84" Volume Control Damper (Ruskin CD36)	2,210.29	166.58
23 09 23 12-0163	EA	60" x 40" Volume Control Damper (Ruskin CD36)	1,210.55	149.92
23 09 23 12-0164	EA	60" x 44" Volume Control Damper (Ruskin CD36)	1,287.06	149.92
23 09 23 12-0165	EA	60" x 48" Volume Control Damper (Ruskin CD36)	1,372.13	149.92
23 09 23 12-0166	EA	60" x 52" Volume Control Damper (Ruskin CD36)	1,448.64	149.92
23 09 23 12-0167	EA	60" x 56" Volume Control Damper (Ruskin CD36)	1,530.65	149.92
23 09 23 12-0168	EA	60" x 60" Volume Control Damper (Ruskin CD36)	1,592.47	149.92
23 09 23 12-0169	EA	60" x 64" Volume Control Damper (Ruskin CD36)	1,710.86	166.58
23 09 23 12-0170	EA	60" x 68" Volume Control Damper (Ruskin CD36)	1,813.69	166.58
23 09 23 12-0171	EA	60" x 72" Volume Control Damper (Ruskin CD36)	1,948.95	166.58
23 09 23 12-0172	EA	60" x 76" Volume Control Damper (Ruskin CD36)	2,144.19	166.58
23 09 23 12-0173	EA	60" x 80" Volume Control Damper (Ruskin CD36)	2,144.19	166.58
23 09 23 12-0174	EA	60" x 84" Volume Control Damper (Ruskin CD36)	2,316.18	166.58
23 09 23 12-0175	EA	64" x 40" Volume Control Damper (Ruskin CD36)	1,228.30	149.92
23 09 23 12-0176	EA	64" x 44" Volume Control Damper (Ruskin CD36)	1,313.38	149.92
23 09 23 12-0177	EA	64" x 48" Volume Control Damper (Ruskin CD36)	1,395.39	149.92
23 09 23 12-0178	EA	64" x 52" Volume Control Damper (Ruskin CD36)	1,468.84	149.92
23 09 23 12-0179	EA	64" x 56" Volume Control Damper (Ruskin CD36)	1,551.46	149.92
23 09 23 12-0180	EA	64" x 60" Volume Control Damper (Ruskin CD36)	1,652.11	166.58
23 09 23 12-0181	EA	64" x 64" Volume Control Damper (Ruskin CD36)	1,734.73	166.58
23 09 23 12-0182	EA	64" x 68" Volume Control Damper (Ruskin CD36)	1,834.50	166.58
23 09 23 12-0183	EA	64" x 72" Volume Control Damper (Ruskin CD36)	1,989.96	166.58
23 09 23 12-0184	EA	64" x 76" Volume Control Damper (Ruskin CD36)	2,144.19	166.58
23 09 23 12-0185	EA	64" x 80" Volume Control Damper (Ruskin CD36)	2,144.19	166.58
23 09 23 12-0186	EA	64" x 84" Volume Control Damper (Ruskin CD36)	2,349.50	183.23
23 09 23 12-0187	EA	66" x 40" Volume Control Damper (Ruskin CD36)	1,242.99	149.92
23 09 23 12-0188	EA	66" x 44" Volume Control Damper (Ruskin CD36)	1,331.13	149.92
23 09 23 12-0189	EA	66" x 48" Volume Control Damper (Ruskin CD36)	1,410.08	149.92
23 09 23 12-0190	EA	66" x 52" Volume Control Damper (Ruskin CD36)	1,489.65	149.92
23 09 23 12-0191	EA	66" x 56" Volume Control Damper (Ruskin CD36)	1,608.04	166.58
23 09 23 12-0192	EA	66" x 60" Volume Control Damper (Ruskin CD36)	1,678.42	166.58
23 09 23 12-0193	EA	66" x 64" Volume Control Damper (Ruskin CD36)	1,769.62	166.58
23 09 23 12-0194	EA	66" x 68" Volume Control Damper (Ruskin CD36)	1,860.81	166.58
23 09 23 12-0195	EA	66" x 72" Volume Control Damper (Ruskin CD36)	2,013.83	166.58
23 09 23 12-0196	EA	66" x 76" Volume Control Damper (Ruskin CD36)	2,210.29	166.58
23 09 23 12-0197	EA	66" x 80" Volume Control Damper (Ruskin CD36)	2,243.61	183.23
23 09 23 12-0198	EA	66" x 84" Volume Control Damper (Ruskin CD36)	2,415.60	183.23
23 09 23 12-0199	EA	72" x 40" Volume Control Damper (Ruskin CD36)	1,260.13	149.92
23 09 23 12-0200	EA	72" x 44" Volume Control Damper (Ruskin CD36)	1,348.88	149.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0201	EA	72" x 48" Volume Control Damper (Ruskin CD36)	1,422.32	149.92
23 09 23 12-0202	EA	72" x 52" Volume Control Damper (Ruskin CD36)	1,543.77	166.58
23 09 23 12-0203	EA	72" x 56" Volume Control Damper (Ruskin CD36)	1,631.91	166.58
23 09 23 12-0204	EA	72" x 60" Volume Control Damper (Ruskin CD36)	1,705.35	166.58
23 09 23 12-0205	EA	72" x 64" Volume Control Damper (Ruskin CD36)	1,808.18	166.58
23 09 23 12-0206	EA	72" x 68" Volume Control Damper (Ruskin CD36)	1,887.13	166.58
23 09 23 12-0207	EA	72" x 72" Volume Control Damper (Ruskin CD36)	2,037.08	166.58
23 09 23 12-0208	EA	72" x 76" Volume Control Damper (Ruskin CD36)	2,243.61	183.23
23 09 23 12-0209	EA	72" x 80" Volume Control Damper (Ruskin CD36)	2,243.61	183.23
23 09 23 12-0210	EA	72" x 84" Volume Control Damper (Ruskin CD36)	2,415.60	183.23
23 09 23 12-0211	EA	76" x 40" Volume Control Damper (Ruskin CD36)	1,277.88	149.92
23 09 23 12-0212	EA	76" x 44" Volume Control Damper (Ruskin CD36)	1,363.56	149.92
23 09 23 12-0213	EA	76" x 48" Volume Control Damper (Ruskin CD36)	1,478.90	166.58
23 09 23 12-0214	EA	76" x 52" Volume Control Damper (Ruskin CD36)	1,567.03	166.58
23 09 23 12-0215	EA	76" x 56" Volume Control Damper (Ruskin CD36)	1,655.17	166.58
23 09 23 12-0216	EA	76" x 60" Volume Control Damper (Ruskin CD36)	1,728.61	166.58
23 09 23 12-0217	EA	76" x 64" Volume Control Damper (Ruskin CD36)	1,831.44	166.58
23 09 23 12-0218	EA	76" x 68" Volume Control Damper (Ruskin CD36)	1,931.20	166.58
23 09 23 12-0219	EA	76" x 72" Volume Control Damper (Ruskin CD36)	2,096.72	183.23
23 09 23 12-0220	EA	76" x 76" Volume Control Damper (Ruskin CD36)	2,309.71	183.23
23 09 23 12-0221	EA	76" x 80" Volume Control Damper (Ruskin CD36)	2,309.71	183.23
23 09 23 12-0222	EA	76" x 84" Volume Control Damper (Ruskin CD36)	2,481.70	183.23
23 09 23 12-0223	EA	80" x 40" Volume Control Damper (Ruskin CD36)	1,295.63	149.92
23 09 23 12-0224	EA	80" x 44" Volume Control Damper (Ruskin CD36)	1,380.70	149.92
23 09 23 12-0225	EA	80" x 48" Volume Control Damper (Ruskin CD36)	1,502.16	166.58
23 09 23 12-0226	EA	80" x 52" Volume Control Damper (Ruskin CD36)	1,599.47	166.58
23 09 23 12-0227	EA	80" x 56" Volume Control Damper (Ruskin CD36)	1,678.42	166.58
23 09 23 12-0228	EA	80" x 60" Volume Control Damper (Ruskin CD36)	1,751.87	166.58
23 09 23 12-0229	EA	80" x 64" Volume Control Damper (Ruskin CD36)	1,854.69	166.58
23 09 23 12-0230	EA	80" x 68" Volume Control Damper (Ruskin CD36)	1,982.27	183.23
23 09 23 12-0231	EA	80" x 72" Volume Control Damper (Ruskin CD36)	2,123.04	183.23
23 09 23 12-0232	EA	80" x 76" Volume Control Damper (Ruskin CD36)	2,309.71	183.23
23 09 23 12-0233	EA	80" x 80" Volume Control Damper (Ruskin CD36)	2,309.71	183.23
23 09 23 12-0234	EA	80" x 84" Volume Control Damper (Ruskin CD36)	2,481.70	183.23
23 09 23 12-0235	EA	84" x 40" Volume Control Damper (Ruskin CD36)	1,307.26	149.92
23 09 23 12-0236	EA	84" x 44" Volume Control Damper (Ruskin CD36)	1,428.71	166.58
23 09 23 12-0237	EA	84" x 48" Volume Control Damper (Ruskin CD36)	1,526.03	166.58
23 09 23 12-0238	EA	84" x 52" Volume Control Damper (Ruskin CD36)	1,631.91	166.58
23 09 23 12-0239	EA	84" x 56" Volume Control Damper (Ruskin CD36)	1,696.17	166.58
23 09 23 12-0240	EA	84" x 60" Volume Control Damper (Ruskin CD36)	1,775.74	166.58
23 09 23 12-0241	EA	84" x 64" Volume Control Damper (Ruskin CD36)	1,911.88	183.23
23 09 23 12-0242	EA	84" x 68" Volume Control Damper (Ruskin CD36)	2,014.71	183.23
23 09 23 12-0243	EA	84" x 72" Volume Control Damper (Ruskin CD36)	2,149.97	183.23
23 09 23 12-0244	EA	84" x 76" Volume Control Damper (Ruskin CD36)	2,389.28	183.23
23 09 23 12-0245	EA	84" x 80" Volume Control Damper (Ruskin CD36)	2,389.28	183.23
23 09 23 12-0246	EA	84" x 84" Volume Control Damper (Ruskin CD36)	2,561.26	183.23
23 09 23 12-0247		Low Leakage Rectangular Volume Control Dampers (Ruskin CD50) *(23 09 23 12-0001)*		
23 09 23 12-0248	EA	8" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	348.49	49.98
23 09 23 12-0249	EA	8" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	436.39	49.98
23 09 23 12-0250	EA	8" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	497.01	49.98
23 09 23 12-0251	EA	8" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	539.42	66.63
23 09 23 12-0252	EA	8" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	603.08	66.63
23 09 23 12-0253	EA	8" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	660.67	66.63
23 09 23 12-0254	EA	8" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	669.76	66.63
23 09 23 12-0255	EA	8" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	763.70	83.29
23 09 23 12-0256	EA	12" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	348.49	49.98
23 09 23 12-0257	EA	12" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	436.39	49.98
23 09 23 12-0258	EA	12" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	530.33	66.63
23 09 23 12-0259	EA	12" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	539.42	66.63
23 09 23 12-0260	EA	12" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	636.40	83.29
23 09 23 12-0261	EA	12" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	693.99	83.29
23 09 23 12-0262	EA	12" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	703.08	83.29
23 09 23 12-0263	EA	12" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	797.01	99.94
23 09 23 12-0264	EA	16" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	360.61	49.98
23 09 23 12-0265	EA	16" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	490.93	66.63
23 09 23 12-0266	EA	16" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	560.64	66.63
23 09 23 12-0267	EA	16" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	600.02	83.29
23 09 23 12-0268	EA	16" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	669.74	83.29
23 09 23 12-0269	EA	16" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	763.67	99.94
23 09 23 12-0270	EA	16" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	772.76	99.94
23 09 23 12-0271	EA	16" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	848.54	99.94
23 09 23 12-0272	EA	20" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	418.18	66.63
23 09 23 12-0273	EA	20" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	530.33	66.63
23 09 23 12-0274	EA	20" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	636.40	83.29
23 09 23 12-0275	EA	20" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	645.49	83.29
23 09 23 12-0276	EA	20" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	739.42	99.94
23 09 23 12-0277	EA	20" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	818.23	99.94
23 09 23 12-0278	EA	20" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	872.77	116.60
23 09 23 12-0279	EA	20" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	933.39	116.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0280	EA	24" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	442.43	66.63
23 09 23 12-0281	EA	24" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	587.90	83.29
23 09 23 12-0282	EA	24" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	660.65	83.29
23 09 23 12-0283	EA	24" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	706.08	99.94
23 09 23 12-0284	EA	24" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	787.92	99.94
23 09 23 12-0285	EA	24" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	897.02	116.60
23 09 23 12-0286	EA	24" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	912.17	116.60
23 09 23 12-0287	EA	24" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	987.95	116.60
23 09 23 12-0288	EA	28" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	454.55	66.63
23 09 23 12-0289	EA	28" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	609.12	83.29
23 09 23 12-0290	EA	28" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	721.24	99.94
23 09 23 12-0291	EA	28" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	736.39	99.94
23 09 23 12-0292	EA	28" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	857.61	116.60
23 09 23 12-0293	EA	28" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	936.42	116.60
23 09 23 12-0294	EA	28" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	942.48	116.60
23 09 23 12-0295	EA	28" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,039.48	116.60
23 09 23 12-0296	EA	32" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	481.83	66.63
23 09 23 12-0297	EA	32" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	642.46	83.29
23 09 23 12-0298	EA	32" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	772.76	99.94
23 09 23 12-0299	EA	32" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	815.18	116.60
23 09 23 12-0300	EA	32" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	912.17	116.60
23 09 23 12-0301	EA	32" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	984.92	116.60
23 09 23 12-0302	EA	32" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,003.10	116.60
23 09 23 12-0303	EA	32" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,124.32	133.26
23 09 23 12-0304	EA	36" x 8" Low Leakage Volume Control Damper (Ruskin CD50)	542.43	83.29
23 09 23 12-0305	EA	36" x 12" Low Leakage Volume Control Damper (Ruskin CD50)	703.05	99.94
23 09 23 12-0306	EA	36" x 16" Low Leakage Volume Control Damper (Ruskin CD50)	797.01	99.94
23 09 23 12-0307	EA	36" x 20" Low Leakage Volume Control Damper (Ruskin CD50)	839.43	116.60
23 09 23 12-0308	EA	36" x 24" Low Leakage Volume Control Damper (Ruskin CD50)	942.48	116.60
23 09 23 12-0309	EA	36" x 28" Low Leakage Volume Control Damper (Ruskin CD50)	1,042.51	116.60
23 09 23 12-0310	EA	36" x 32" Low Leakage Volume Control Damper (Ruskin CD50)	1,081.88	133.26
23 09 23 12-0311	EA	36" x 36" Low Leakage Volume Control Damper (Ruskin CD50)	1,181.91	133.26
23 09 23 12-0312	EA	36" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,269.81	133.26
23 09 23 12-0313	EA	36" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,291.02	133.26
23 09 23 12-0314	EA	36" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,394.08	133.26
23 09 23 12-0315	EA	36" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,488.05	133.26
23 09 23 12-0316	EA	36" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,509.26	133.26
23 09 23 12-0317	EA	36" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,597.16	133.26
23 09 23 12-0318	EA	36" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,688.10	133.26
23 09 23 12-0319	EA	36" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,739.59	149.92
23 09 23 12-0320	EA	36" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,833.56	149.92
23 09 23 12-0321	EA	36" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,507.21	149.92
23 09 23 12-0322	EA	36" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,507.21	149.92
23 09 23 12-0323	EA	36" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,553.44	149.92
23 09 23 12-0324	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,333.46	133.26
23 09 23 12-0325	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,351.65	133.26
23 09 23 12-0326	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,451.67	133.26
23 09 23 12-0327	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,560.79	133.26
23 09 23 12-0328	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,569.88	133.26
23 09 23 12-0329	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,703.22	149.92
23 09 23 12-0330	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,806.28	149.92
23 09 23 12-0331	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,833.56	149.92
23 09 23 12-0332	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,936.61	149.92
23 09 23 12-0333	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,647.40	149.92
23 09 23 12-0334	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,647.40	149.92
23 09 23 12-0335	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,686.81	149.92
23 09 23 12-0336	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,384.99	133.26
23 09 23 12-0337	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,412.27	133.26
23 09 23 12-0338	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,515.32	133.26
23 09 23 12-0339	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,636.57	133.26
23 09 23 12-0340	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,678.97	149.92
23 09 23 12-0341	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,782.03	149.92
23 09 23 12-0342	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,897.21	149.92
23 09 23 12-0343	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,924.49	149.92
23 09 23 12-0344	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,024.51	149.92
23 09 23 12-0345	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.31	149.92
23 09 23 12-0346	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.31	149.92
23 09 23 12-0347	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,853.49	166.58
23 09 23 12-0348	EA	40" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,333.46	133.26
23 09 23 12-0349	EA	40" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,351.65	133.26
23 09 23 12-0350	EA	40" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,451.67	133.26
23 09 23 12-0351	EA	40" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,560.79	133.26
23 09 23 12-0352	EA	40" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,569.88	133.26
23 09 23 12-0353	EA	40" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,703.22	149.92
23 09 23 12-0354	EA	40" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,806.28	149.92
23 09 23 12-0355	EA	40" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,833.56	149.92
23 09 23 12-0356	EA	40" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	1,936.61	149.92
23 09 23 12-0357	EA	40" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,647.40	149.92
23 09 23 12-0358	EA	40" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,647.40	149.92
23 09 23 12-0359	EA	40" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,686.81	149.92
23 09 23 12-0360	EA	44" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,384.99	133.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0361	EA	44" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,412.27	133.26
23 09 23 12-0362	EA	44" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,451.67	133.26
23 09 23 12-0363	EA	44" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,560.79	133.26
23 09 23 12-0364	EA	44" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,678.97	149.92
23 09 23 12-0365	EA	44" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,782.03	149.92
23 09 23 12-0366	EA	44" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,897.21	149.92
23 09 23 12-0367	EA	44" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	1,924.49	149.92
23 09 23 12-0368	EA	44" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,024.51	149.92
23 09 23 12-0369	EA	44" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.31	149.92
23 09 23 12-0370	EA	44" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,760.31	149.92
23 09 23 12-0371	EA	44" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,853.49	166.58
23 09 23 12-0372	EA	48" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,442.58	133.26
23 09 23 12-0373	EA	48" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,466.83	133.26
23 09 23 12-0374	EA	48" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,585.04	133.26
23 09 23 12-0375	EA	48" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,739.59	149.92
23 09 23 12-0376	EA	48" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,763.84	149.92
23 09 23 12-0377	EA	48" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	1,863.87	149.92
23 09 23 12-0378	EA	48" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	1,979.05	149.92
23 09 23 12-0379	EA	48" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,000.27	149.92
23 09 23 12-0380	EA	48" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,112.42	149.92
23 09 23 12-0381	EA	48" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	2,920.18	166.58
23 09 23 12-0382	EA	48" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	2,920.18	166.58
23 09 23 12-0383	EA	48" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	2,973.98	166.58
23 09 23 12-0384	EA	52" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,624.44	133.26
23 09 23 12-0385	EA	52" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,648.69	133.26
23 09 23 12-0386	EA	52" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,812.34	149.92
23 09 23 12-0387	EA	52" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	1,957.83	149.92
23 09 23 12-0388	EA	52" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	1,982.08	149.92
23 09 23 12-0389	EA	52" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,097.26	149.92
23 09 23 12-0390	EA	52" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,221.53	149.92
23 09 23 12-0391	EA	52" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,270.03	149.92
23 09 23 12-0392	EA	52" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,457.94	166.58
23 09 23 12-0393	EA	52" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,200.81	166.58
23 09 23 12-0394	EA	52" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,200.81	166.58
23 09 23 12-0395	EA	52" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,360.70	166.58
23 09 23 12-0396	EA	56" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,688.10	133.26
23 09 23 12-0397	EA	56" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,751.72	149.92
23 09 23 12-0398	EA	56" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,882.05	149.92
23 09 23 12-0399	EA	56" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,048.76	149.92
23 09 23 12-0400	EA	56" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,076.04	149.92
23 09 23 12-0401	EA	56" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,200.32	149.92
23 09 23 12-0402	EA	56" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,330.65	149.92
23 09 23 12-0403	EA	56" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,409.44	166.58
23 09 23 12-0404	EA	56" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,536.75	166.58
23 09 23 12-0405	EA	56" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,200.81	166.58
23 09 23 12-0406	EA	56" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,200.81	166.58
23 09 23 12-0407	EA	56" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,360.70	166.58
23 09 23 12-0408	EA	60" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	1,788.09	149.92
23 09 23 12-0409	EA	60" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	1,812.34	149.92
23 09 23 12-0410	EA	60" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	1,966.92	149.92
23 09 23 12-0411	EA	60" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,121.51	149.92
23 09 23 12-0412	EA	60" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,151.82	149.92
23 09 23 12-0413	EA	60" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	2,282.16	149.92
23 09 23 12-0414	EA	60" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	2,457.94	166.58
23 09 23 12-0415	EA	60" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	2,488.25	166.58
23 09 23 12-0416	EA	60" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	2,642.83	166.58
23 09 23 12-0417	EA	60" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,534.23	166.58
23 09 23 12-0418	EA	60" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,534.23	166.58
23 09 23 12-0419	EA	60" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,587.27	166.58
23 09 23 12-0420	EA	64" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,403.40	149.92
23 09 23 12-0421	EA	64" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,430.68	149.92
23 09 23 12-0422	EA	64" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,676.20	149.92
23 09 23 12-0423	EA	64" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,833.81	149.92
23 09 23 12-0424	EA	64" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,888.37	149.92
23 09 23 12-0425	EA	64" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,097.49	166.58
23 09 23 12-0426	EA	64" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,291.48	166.58
23 09 23 12-0427	EA	64" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,339.98	166.58
23 09 23 12-0428	EA	64" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,500.63	166.58
23 09 23 12-0429	EA	64" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,534.23	166.58
23 09 23 12-0430	EA	64" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,534.23	166.58
23 09 23 12-0431	EA	64" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,620.59	183.23
23 09 23 12-0432	EA	66" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,460.99	149.92
23 09 23 12-0433	EA	66" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,491.30	149.92
23 09 23 12-0434	EA	66" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,724.69	149.92
23 09 23 12-0435	EA	66" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	2,912.62	149.92
23 09 23 12-0436	EA	66" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	2,991.41	166.58
23 09 23 12-0437	EA	66" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,176.30	166.58
23 09 23 12-0438	EA	66" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,376.35	166.58
23 09 23 12-0439	EA	66" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,421.82	166.58
23 09 23 12-0440	EA	66" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,624.90	166.58
23 09 23 12-0441	EA	66" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,747.92	166.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0442	EA	66" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,781.24	183.23
23 09 23 12-0443	EA	66" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,874.44	183.23
23 09 23 12-0444	EA	72" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,512.52	149.92
23 09 23 12-0445	EA	72" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,551.92	149.92
23 09 23 12-0446	EA	72" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,779.25	149.92
23 09 23 12-0447	EA	72" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,021.72	166.58
23 09 23 12-0448	EA	72" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,064.15	166.58
23 09 23 12-0449	EA	72" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,258.14	166.58
23 09 23 12-0450	EA	72" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,461.22	166.58
23 09 23 12-0451	EA	72" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,500.63	166.58
23 09 23 12-0452	EA	72" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,712.80	166.58
23 09 23 12-0453	EA	72" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	4,781.24	183.23
23 09 23 12-0454	EA	72" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	4,781.24	183.23
23 09 23 12-0455	EA	72" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	4,874.44	183.23
23 09 23 12-0456	EA	76" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,576.17	149.92
23 09 23 12-0457	EA	76" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,618.61	149.92
23 09 23 12-0458	EA	76" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,879.26	166.58
23 09 23 12-0459	EA	76" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,100.53	166.58
23 09 23 12-0460	EA	76" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,127.81	166.58
23 09 23 12-0461	EA	76" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,339.98	166.58
23 09 23 12-0462	EA	76" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,555.19	166.58
23 09 23 12-0463	EA	76" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,606.72	166.58
23 09 23 12-0464	EA	76" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,855.24	183.23
23 09 23 12-0465	EA	76" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,060.86	183.23
23 09 23 12-0466	EA	76" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,060.86	183.23
23 09 23 12-0467	EA	76" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,141.18	183.23
23 09 23 12-0468	EA	80" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,645.89	149.92
23 09 23 12-0469	EA	80" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,685.29	149.92
23 09 23 12-0470	EA	80" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,942.91	166.58
23 09 23 12-0471	EA	80" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,176.30	166.58
23 09 23 12-0472	EA	80" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,197.52	166.58
23 09 23 12-0473	EA	80" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,421.82	166.58
23 09 23 12-0474	EA	80" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,649.15	166.58
23 09 23 12-0475	EA	80" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,746.12	183.23
23 09 23 12-0476	EA	80" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	3,967.39	183.23
23 09 23 12-0477	EA	80" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,060.86	183.23
23 09 23 12-0478	EA	80" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,060.86	183.23
23 09 23 12-0479	EA	80" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,141.18	183.23
23 09 23 12-0480	EA	84" x 40" Low Leakage Volume Control Damper (Ruskin CD50)	2,703.48	149.92
23 09 23 12-0481	EA	84" x 44" Low Leakage Volume Control Damper (Ruskin CD50)	2,764.08	166.58
23 09 23 12-0482	EA	84" x 48" Low Leakage Volume Control Damper (Ruskin CD50)	2,994.44	166.58
23 09 23 12-0483	EA	84" x 52" Low Leakage Volume Control Damper (Ruskin CD50)	3,255.11	166.58
23 09 23 12-0484	EA	84" x 56" Low Leakage Volume Control Damper (Ruskin CD50)	3,267.24	166.58
23 09 23 12-0485	EA	84" x 60" Low Leakage Volume Control Damper (Ruskin CD50)	3,479.41	166.58
23 09 23 12-0486	EA	84" x 64" Low Leakage Volume Control Damper (Ruskin CD50)	3,755.22	183.23
23 09 23 12-0487	EA	84" x 68" Low Leakage Volume Control Damper (Ruskin CD50)	3,821.90	183.23
23 09 23 12-0488	EA	84" x 72" Low Leakage Volume Control Damper (Ruskin CD50)	4,046.20	183.23
23 09 23 12-0489	EA	84" x 76" Low Leakage Volume Control Damper (Ruskin CD50)	5,287.43	183.23
23 09 23 12-0490	EA	84" x 80" Low Leakage Volume Control Damper (Ruskin CD50)	5,287.43	183.23
23 09 23 12-0491	EA	84" x 84" Low Leakage Volume Control Damper (Ruskin CD50)	5,407.91	183.23

23 09 23 12-0492 Rectangular Volume Control Dampers (TAMCO) *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0493 Air-Foil Control Damper (TAMCO Series 1000) *(23 09 23 12-0492)*

23 09 23 12-0494	EA	12" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	246.21	49.98
23 09 23 12-0495	EA	12" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	296.48	66.63
23 09 23 12-0496	EA	12" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	313.46	66.63
23 09 23 12-0497	EA	12" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	382.81	83.29
23 09 23 12-0498	EA	12" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	393.13	83.29
23 09 23 12-0499	EA	12" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	403.45	83.29
23 09 23 12-0500	EA	12" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	453.67	99.94
23 09 23 12-0501	EA	16" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	281.59	66.63
23 09 23 12-0502	EA	16" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	283.65	66.63
23 09 23 12-0503	EA	16" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	354.56	83.29
23 09 23 12-0504	EA	16" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	392.16	83.29
23 09 23 12-0505	EA	16" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	440.24	99.94
23 09 23 12-0506	EA	16" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	474.56	99.94
23 09 23 12-0507	EA	16" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	508.91	99.94
23 09 23 12-0508	EA	20" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	318.67	66.63
23 09 23 12-0509	EA	20" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	354.56	83.29
23 09 23 12-0510	EA	20" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	381.18	83.29
23 09 23 12-0511	EA	20" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	457.40	99.94
23 09 23 12-0512	EA	20" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	500.31	99.94
23 09 23 12-0513	EA	20" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	576.57	116.60
23 09 23 12-0514	EA	20" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	619.48	116.60
23 09 23 12-0515	EA	24" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	321.09	83.29
23 09 23 12-0516	EA	24" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	372.59	83.29
23 09 23 12-0517	EA	24" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	441.95	99.94
23 09 23 12-0518	EA	24" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	490.36	99.94
23 09 23 12-0519	EA	24" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	572.10	116.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0520	EA	24" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	620.51	116.60
23 09 23 12-0521	EA	24" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	668.92	116.60
23 09 23 12-0522	EA	28" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	352.98	83.29
23 09 23 12-0523	EA	28" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	437.11	99.94
23 09 23 12-0524	EA	28" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	482.29	99.94
23 09 23 12-0525	EA	28" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	572.10	116.60
23 09 23 12-0526	EA	28" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	628.58	116.60
23 09 23 12-0527	EA	28" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	685.05	116.60
23 09 23 12-0528	EA	28" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	741.54	116.60
23 09 23 12-0529	EA	32" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	380.09	83.29
23 09 23 12-0530	EA	32" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	471.64	99.94
23 09 23 12-0531	EA	32" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	556.73	116.60
23 09 23 12-0532	EA	32" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	621.42	116.60
23 09 23 12-0533	EA	32" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	686.12	116.60
23 09 23 12-0534	EA	32" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	750.83	116.60
23 09 23 12-0535	EA	32" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	848.85	133.26
23 09 23 12-0536	EA	36" x 12" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	418.26	99.94
23 09 23 12-0537	EA	36" x 16" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	491.04	99.94
23 09 23 12-0538	EA	36" x 20" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	597.17	116.60
23 09 23 12-0539	EA	36" x 24" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	638.37	116.60
23 09 23 12-0540	EA	36" x 28" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	705.88	116.60
23 09 23 12-0541	EA	36" x 32" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	806.72	133.26
23 09 23 12-0542	EA	36" x 36" Aluminum, Air-Foil Control Damper (TAMCO Series 1000)	874.25	133.26
23 09 23 12-0543		Ultra Low Leakage, Air-Foil Control Damper (TAMCO Series 1500) *(23 09 23 12-0492)*		
23 09 23 12-0544	EA	12" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	252.39	49.98
23 09 23 12-0545	EA	12" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	303.34	66.63
23 09 23 12-0546	EA	12" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	321.00	66.63
23 09 23 12-0547	EA	12" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	391.85	83.29
23 09 23 12-0548	EA	12" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	402.52	83.29
23 09 23 12-0549	EA	12" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	413.17	83.29
23 09 23 12-0550	EA	12" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	464.10	99.94
23 09 23 12-0551	EA	16" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	287.77	66.63
23 09 23 12-0552	EA	16" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	289.83	66.63
23 09 23 12-0553	EA	16" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	362.29	83.29
23 09 23 12-0554	EA	16" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	401.43	83.29
23 09 23 12-0555	EA	16" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	449.84	99.94
23 09 23 12-0556	EA	16" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	485.56	99.94
23 09 23 12-0557	EA	16" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	521.27	99.94
23 09 23 12-0558	EA	20" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	326.39	66.63
23 09 23 12-0559	EA	20" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	362.29	83.29
23 09 23 12-0560	EA	20" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	389.75	83.29
23 09 23 12-0561	EA	20" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	467.70	99.94
23 09 23 12-0562	EA	20" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	512.35	99.94
23 09 23 12-0563	EA	20" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	590.29	116.60
23 09 23 12-0564	EA	20" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	634.93	116.60
23 09 23 12-0565	EA	24" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	327.27	83.29
23 09 23 12-0566	EA	24" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	380.83	83.29
23 09 23 12-0567	EA	24" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	453.96	99.94
23 09 23 12-0568	EA	24" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	504.78	99.94
23 09 23 12-0569	EA	24" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	588.93	116.60
23 09 23 12-0570	EA	24" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	639.73	116.60
23 09 23 12-0571	EA	24" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	690.55	116.60
23 09 23 12-0572	EA	28" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	362.23	83.29
23 09 23 12-0573	EA	28" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	448.89	99.94
23 09 23 12-0574	EA	28" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	496.32	99.94
23 09 23 12-0575	EA	28" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	588.93	116.60
23 09 23 12-0576	EA	28" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	648.20	116.60
23 09 23 12-0577	EA	28" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	707.49	116.60
23 09 23 12-0578	EA	28" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	766.78	116.60
23 09 23 12-0579	EA	32" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	390.16	83.29
23 09 23 12-0580	EA	32" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	484.45	99.94
23 09 23 12-0581	EA	32" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	571.97	116.60
23 09 23 12-0582	EA	32" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	639.73	116.60
23 09 23 12-0583	EA	32" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	707.49	116.60
23 09 23 12-0584	EA	32" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	775.24	116.60
23 09 23 12-0585	EA	32" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	876.31	133.26
23 09 23 12-0586	EA	36" x 12" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	428.56	99.94
23 09 23 12-0587	EA	36" x 16" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	504.78	99.94
23 09 23 12-0588	EA	36" x 20" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	614.33	116.60
23 09 23 12-0589	EA	36" x 24" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	690.55	116.60
23 09 23 12-0590	EA	36" x 28" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	766.78	116.60
23 09 23 12-0591	EA	36" x 32" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	876.31	133.26
23 09 23 12-0592	EA	36" x 36" Ultra Low Leakage, Aluminum, Air-Foil Control Damper (TAMCO Series 1500)	952.53	133.26
23 09 23 12-0593		Thermally Insulated Damper (TAMCO Series 9000) *(23 09 23 12-0492)*		
23 09 23 12-0594	EA	12" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	293.59	49.98
23 09 23 12-0595	EA	12" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	349.06	66.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0596	EA	12" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	371.20	66.63
23 09 23 12-0597	EA	12" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	452.11	83.29
23 09 23 12-0598	EA	12" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	465.09	83.29
23 09 23 12-0599	EA	12" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	478.07	83.29
23 09 23 12-0600	EA	12" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	533.63	99.94
23 09 23 12-0601	EA	16" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	328.97	66.63
23 09 23 12-0602	EA	16" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	331.03	66.63
23 09 23 12-0603	EA	16" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	413.79	83.29
23 09 23 12-0604	EA	16" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	463.23	83.29
23 09 23 12-0605	EA	16" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	513.93	99.94
23 09 23 12-0606	EA	16" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	558.80	99.94
23 09 23 12-0607	EA	16" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	603.67	99.94
23 09 23 12-0608	EA	20" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	377.90	66.63
23 09 23 12-0609	EA	20" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	413.79	83.29
23 09 23 12-0610	EA	20" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	446.98	83.29
23 09 23 12-0611	EA	20" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	536.37	99.94
23 09 23 12-0612	EA	20" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	592.46	99.94
23 09 23 12-0613	EA	20" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	681.86	116.60
23 09 23 12-0614	EA	20" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	737.93	116.60
23 09 23 12-0615	EA	24" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	368.47	83.29
23 09 23 12-0616	EA	24" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	435.77	83.29
23 09 23 12-0617	EA	24" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	522.65	99.94
23 09 23 12-0618	EA	24" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	587.19	99.94
23 09 23 12-0619	EA	24" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	685.05	116.60
23 09 23 12-0620	EA	24" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	749.62	116.60
23 09 23 12-0621	EA	24" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	814.16	116.60
23 09 23 12-0622	EA	28" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	415.09	83.29
23 09 23 12-0623	EA	28" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	516.18	99.94
23 09 23 12-0624	EA	28" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	576.44	99.94
23 09 23 12-0625	EA	28" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	685.05	116.60
23 09 23 12-0626	EA	28" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	760.37	116.60
23 09 23 12-0627	EA	28" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	835.67	116.60
23 09 23 12-0628	EA	28" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	910.98	116.60
23 09 23 12-0629	EA	32" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	450.61	83.29
23 09 23 12-0630	EA	32" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	561.38	99.94
23 09 23 12-0631	EA	32" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	663.54	116.60
23 09 23 12-0632	EA	32" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	749.62	116.60
23 09 23 12-0633	EA	32" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	835.67	116.60
23 09 23 12-0634	EA	32" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	921.74	116.60
23 09 23 12-0635	EA	32" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,041.12	133.26
23 09 23 12-0636	EA	36" x 12" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	490.36	99.94
23 09 23 12-0637	EA	36" x 16" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	587.19	99.94
23 09 23 12-0638	EA	36" x 20" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	717.33	116.60
23 09 23 12-0639	EA	36" x 24" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	812.78	116.60
23 09 23 12-0640	EA	36" x 28" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	909.38	116.60
23 09 23 12-0641	EA	36" x 32" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,039.28	133.26
23 09 23 12-0642	EA	36" x 36" Aluminum, Thermally Insulated Damper (TAMCO Series 9000)	1,135.88	133.26
23 09 23 12-0643		Thermally Broken Frame Damper (TAMCO Series 9000 BF) *(23 09 23 12-0492)*		
23 09 23 12-0644	EA	12" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	328.61	49.98
23 09 23 12-0645	EA	12" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	387.91	66.63
23 09 23 12-0646	EA	12" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	413.89	66.63
23 09 23 12-0647	EA	12" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	503.32	83.29
23 09 23 12-0648	EA	12" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	518.28	83.29
23 09 23 12-0649	EA	12" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	533.24	83.29
23 09 23 12-0650	EA	12" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	592.73	99.94
23 09 23 12-0651	EA	16" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	363.99	66.63
23 09 23 12-0652	EA	16" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	366.05	66.63
23 09 23 12-0653	EA	16" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	457.57	83.29
23 09 23 12-0654	EA	16" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	515.77	83.29
23 09 23 12-0655	EA	16" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	568.42	99.94
23 09 23 12-0656	EA	16" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	621.06	99.94
23 09 23 12-0657	EA	16" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	673.71	99.94
23 09 23 12-0658	EA	20" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	421.67	66.63
23 09 23 12-0659	EA	20" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	457.57	83.29
23 09 23 12-0660	EA	20" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	495.62	83.29
23 09 23 12-0661	EA	20" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	594.75	99.94
23 09 23 12-0662	EA	20" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	660.55	99.94
23 09 23 12-0663	EA	20" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	759.69	116.60
23 09 23 12-0664	EA	20" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	825.49	116.60
23 09 23 12-0665	EA	24" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	403.49	83.29
23 09 23 12-0666	EA	24" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	482.46	83.29
23 09 23 12-0667	EA	24" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	563.85	99.94
23 09 23 12-0668	EA	24" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	636.63	99.94
23 09 23 12-0669	EA	24" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	742.73	116.60
23 09 23 12-0670	EA	24" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	815.54	116.60
23 09 23 12-0671	EA	24" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	888.32	116.60
23 09 23 12-0672	EA	28" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	446.82	83.29
23 09 23 12-0673	EA	28" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	556.56	99.94
23 09 23 12-0674	EA	28" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	624.50	99.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0675	EA	28" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	742.73	116.60
23 09 23 12-0676	EA	28" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	827.67	116.60
23 09 23 12-0677	EA	28" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	912.59	116.60
23 09 23 12-0678	EA	28" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	997.51	116.60
23 09 23 12-0679	EA	32" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	486.86	83.29
23 09 23 12-0680	EA	32" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	607.52	99.94
23 09 23 12-0681	EA	32" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	718.49	116.60
23 09 23 12-0682	EA	32" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	815.54	116.60
23 09 23 12-0683	EA	32" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	912.59	116.60
23 09 23 12-0684	EA	32" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,009.64	116.60
23 09 23 12-0685	EA	32" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,140.00	133.26
23 09 23 12-0686	EA	36" x 12" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	527.45	99.94
23 09 23 12-0687	EA	36" x 16" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	636.63	99.94
23 09 23 12-0688	EA	36" x 20" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	779.14	116.60
23 09 23 12-0689	EA	36" x 24" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	886.94	116.60
23 09 23 12-0690	EA	36" x 28" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	995.90	116.60
23 09 23 12-0691	EA	36" x 32" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,138.17	133.26
23 09 23 12-0692	EA	36" x 36" Aluminum, Thermally Broken Frame Damper (TAMCO Series 9000 BF)	1,247.13	133.26

23 09 23 12-0693 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0694	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	225.30	41.32
23 09 23 12-0695	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	254.13	45.31
23 09 23 12-0696	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	284.24	49.98
23 09 23 12-0697	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	328.53	58.64
23 09 23 12-0698	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	371.48	66.63
23 09 23 12-0699	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	374.66	74.96
23 09 23 12-0700	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	461.02	83.29
23 09 23 12-0701	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	550.50	99.94
23 09 23 12-0702	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	708.55	116.60
23 09 23 12-0703	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,057.61	133.26
23 09 23 12-0704	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,952.83	149.92
23 09 23 12-0705	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,483.96	166.58

23 09 23 12-0706 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0707	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	218.01	46.64
23 09 23 12-0708	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	224.78	49.98
23 09 23 12-0709	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	234.78	49.98
23 09 23 12-0710	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	260.48	56.64
23 09 23 12-0711	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	297.55	56.64
23 09 23 12-0712	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	322.04	66.63
23 09 23 12-0713	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	432.93	70.13
23 09 23 12-0714	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	452.74	72.70
23 09 23 12-0715	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	480.22	78.37
23 09 23 12-0716	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	508.28	84.04

23 09 23 12-0717 Control Damper Actuators *(23 09 23 12)*

23 09 23 12-0718	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	602.66	110.10
23 09 23 12-0719	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	657.39	110.10
23 09 23 12-0720	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	747.05	110.10
23 09 23 12-0721	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	789.89	110.10
23 09 23 12-0722	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	815.32	110.10
23 09 23 12-0723	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	915.28	110.10

23 09 23 12-0724 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0725	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	320.09	
		For Each 10' Flexible Casing And Wire, Add	*43.69*	
23 09 23 12-0726	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	311.15	
		For Each 10' Flexible Casing And Wire, Add	*43.69*	

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	371.50	9.04
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	279.44	9.04
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	437.85	9.04
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	234.49	9.04
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	234.49	9.04
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	234.49	9.04
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	341.54	9.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	208.80	9.04

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,616.86	114.86

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,409.12	127.93
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,331.50	127.93
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,880.39	127.93

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,306.85	54.24
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	1,013.32	36.16
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,828.18	54.24
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	976.09	65.09

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	596.58	65.09
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	613.68	65.09
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	687.08	90.40
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	550.38	36.16

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	197.82	25.42
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	193.74	25.42
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	262.18	25.42
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	231.97	25.42
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	66.01	25.42
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	60.39	25.42
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	118.26	25.42

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	800.46	76.34
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	708.60	76.34
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	264.12	76.34
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	274.79	76.34
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	295.68	76.34
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	271.70	76.34
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	3,037.73	76.34
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	3,037.73	76.34
23 09 23 23-0010	EA	Magnahelic Gauge	750.05	46.67

23 09 23 23-0011 Room Pressure Monitoring *(23 09 23 23)*

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,644.27	66.63
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,880.25	66.63
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	460.55	39.98
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	531.91	39.98

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	202.64	65.09
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	294.50	65.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	213.21	65.09
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	224.05	65.09
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	227.65	65.09
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	224.09	65.09
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	226.01	65.09
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	244.26	65.09
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	260.20	65.09
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	310.44	90.40
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	322.71	90.40
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	142.29	36.16
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	146.81	36.16
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	134.95	36.16

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	165.52	69.95
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	367.12	69.95

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	413.40	16.95
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	366.60	16.95

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	209.04	
23 09 23 53-0004	HR	EMCS Engineering Project Management	209.04	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	220.35	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	180.80	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	189.27	
23 09 23 53-0008	HR	EMCS System Controls Training	197.75	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	203.40	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	175.14	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	169.50	
23 09 23 53-0012	PNT	EMCS Pre-Functional Tests Note: Priced per controller. Task used after warranty period only.	26.63	
23 09 23 53-0013	PNT	EMCS Functional Performance Tests (Field Based Tests / Trend Analysis) Note: Priced per controller. Task used after warranty period only.	35.14	
23 09 23 53-0014	PNT	EMCS Programming / Graphics Note: Priced per controller. Task used after warranty period only.	35.14	
23 09 23 53-0015	PNT	EMCS As-Built / Operation And Maintenance Manuals / Training Note: Priced per controller. Task used after warranty period only.	26.63	

23 09 23 53-0016 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0017	PNT	EMCS Field Test Note: Priced per point.	148.36	
23 09 23 53-0018	PNT	EMCS Field Checkout And Startup Note: Priced per point.	148.36	
23 09 23 53-0019	PNT	EMCS Field Commissioning Note: Priced per point.	148.36	
23 09 23 53-0020	EA	EMCS Field Balance Support Note: Priced per controller.	127.12	

23 09 23 53-0021 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0022	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	49.49	

23 09 23 53-0023 Alerton Controls *(23 09 23 53)*

23 09 23 53-0024	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	15,143.50	
23 09 23 53-0025	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	20,210.45	
23 09 23 53-0026	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	55,207.48	
23 09 23 53-0027	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	40,752.19	
23 09 23 53-0028	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	109,224.60	
23 09 23 53-0029	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	85,577.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0030	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	132,048.71	
23 09 23 53-0031	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	3,395.53	
23 09 23 53-0032	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	48,451.52	
23 09 23 53-0033	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	34,734.21	
23 09 23 53-0034	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	20,103.96	
23 09 23 53-0035	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	11,407.94	
23 09 23 53-0036	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	4,102.49	
23 09 23 53-0037	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	8,355.39	271.20
23 09 23 53-0038	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	12,523.14	361.59
23 09 23 53-0039	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	12,337.50	361.59
23 09 23 53-0040	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	3,866.62	271.20
23 09 23 53-0041	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	4,954.59	271.20
23 09 23 53-0042	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	3,531.86	271.20
23 09 23 53-0043	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	4,705.05	271.20
23 09 23 53-0044	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	12,874.56	271.20
23 09 23 53-0045	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	4,782.72	361.59
23 09 23 53-0046	EA	EXP BACnet Controller (Alerton VLX)	10,851.18	723.19
23 09 23 53-0047	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	13,232.53	723.19
23 09 23 53-0048	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,816.19	80.52
23 09 23 53-0049	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,915.63	271.20
23 09 23 53-0050	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	3,166.71	271.20
23 09 23 53-0051	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	2,299.39	271.20
23 09 23 53-0052	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,649.37	271.20
23 09 23 53-0053	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,634.15	271.20
23 09 23 53-0054	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	4,642.67	271.20
23 09 23 53-0055	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	3,259.53	271.20
23 09 23 53-0056	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	5,109.89	361.59
23 09 23 53-0057	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	2,162.37	180.80
23 09 23 53-0058	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	2,061.92	180.80
23 09 23 53-0059	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,672.17	271.20
23 09 23 53-0060	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,672.17	271.20
23 09 23 53-0061	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	3,483.19	271.20
23 09 23 53-0062	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	7,774.23	361.59
23 09 23 53-0063	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,816.73	271.20
23 09 23 53-0064	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	231.30	10.17
23 09 23 53-0065	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	408.42	10.17
23 09 23 53-0066	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	1,126.61	10.17
23 09 23 53-0067	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	1,126.61	10.17
23 09 23 53-0068	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	864.92	10.17
23 09 23 53-0069	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	256.28	10.17
23 09 23 53-0070	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	1,192.06	10.17
23 09 23 53-0071	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,344.24	10.17
23 09 23 53-0072	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	4,627.45	271.20
23 09 23 53-0073	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	5,001.75	271.20
23 09 23 53-0074	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	4,679.19	271.20
23 09 23 53-0075	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,821.21	
23 09 23 53-0076	EA	Global Controller Base Unit (Alerton ACM)	5,917.43	271.20
23 09 23 53-0077	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,284.17	150.85
23 09 23 53-0078	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,098.62	
23 09 23 53-0079	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,249.75	10.17

23 09 23 53-0080 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0081	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	5,383.17	271.20
23 09 23 53-0082	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	11,038.08	813.59
23 09 23 53-0083	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	3,307.62	271.20
23 09 23 53-0084	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	8,003.66	361.59
23 09 23 53-0085	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	7,848.77	361.59
23 09 23 53-0086	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	11,980.11	723.19
23 09 23 53-0087	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	6,841.97	361.59
23 09 23 53-0088	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	7,303.83	271.20
23 09 23 53-0089	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	11,050.76	723.19
23 09 23 53-0090	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,902.77	180.80
23 09 23 53-0091	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	2,043.53	180.80
23 09 23 53-0092	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	4,176.08	180.80
23 09 23 53-0093	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	4,001.83	180.80
23 09 23 53-0094	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,904.90	271.20
23 09 23 53-0095	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	23,002.80	
23 09 23 53-0096	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	13,554.39	
23 09 23 53-0097	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	20,265.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0098		Cypress Envirosystems Controls *(23 09 23 53)*		
23 09 23 53-0099		Wireless Pneumatic Thermostat *(23 09 23 53-0098)* Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.		
23 09 23 53-0100	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	576.80	11.30
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	576.80	11.30
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	576.80	11.30
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	576.80	11.30
		For >50 To 200, Deduct	*-29.98*	
		For >200, Deduct	*-59.90*	
23 09 23 53-0104	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	657.10	11.30
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0105	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	657.10	11.30
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0106	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	657.10	11.30
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0107	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted.	657.10	11.30
		For >50 To 200, Deduct	*-34.44*	
		For >200, Deduct	*-68.82*	
23 09 23 53-0108	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	45.73	11.30
		For >50 To 200, Deduct	*-1.91*	
		For >200, Deduct	*-3.83*	
23 09 23 53-0109	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats.	5,174.69	11.30
		For 2, Deduct	*-262.58*	
		For >2, Deduct	*-524.69*	
23 09 23 53-0110	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	504.04	11.30
		For 2, Deduct	*-27.40*	
		For >2, Deduct	*-54.74*	
23 09 23 53-0111	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	870.40	11.30
		For >5 To 10, Deduct	*-45.25*	
		For >10, Deduct	*-90.42*	
23 09 23 53-0112	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	1,059.45	11.30
		For >5 To 10, Deduct	*-52.62*	
		For >10, Deduct	*-105.15*	
23 09 23 53-0113		Delta Controls *(23 09 23 53)*		
23 09 23 53-0114		Software *(23 09 23 53-0113)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0115	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,584.24	
23 09 23 53-0116	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,463.82	
23 09 23 53-0117	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,671.61	
23 09 23 53-0118	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	15,231.73	
23 09 23 53-0119	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,792.03	
23 09 23 53-0120	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,584.24	
23 09 23 53-0121	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,304.09	
23 09 23 53-0122	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,792.03	
23 09 23 53-0123	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,698.78	113.00
23 09 23 53-0124	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	3,021.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0125		EMCS Central Equipment And Controllers *(23 09 23 53-0113)*		
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	8,946.49	451.99
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	6,565.78	451.99
23 09 23 53-0128	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,583.10	451.99
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,583.10	451.99
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,583.10	451.99
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	4,220.53	451.99
23 09 23 53-0132	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,562.40	225.99
23 09 23 53-0133	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,402.45	225.99
23 09 23 53-0134	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,508.58	225.99
23 09 23 53-0135	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,402.45	225.99
23 09 23 53-0136	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,510.68	282.49
23 09 23 53-0137	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	842.02	113.00
23 09 23 53-0138	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	909.46	113.00
23 09 23 53-0139	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,084.36	113.00
23 09 23 53-0140		Network, VAV And Special Sensors *(23 09 23 53-0113)*		
23 09 23 53-0141	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	291.17	36.16
23 09 23 53-0142	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	399.29	40.68
23 09 23 53-0143	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	807.59	16.95
23 09 23 53-0144		Honeywell Controls *(23 09 23 53)*		
23 09 23 53-0145		EMCS Central Equipment And Controllers *(23 09 23 53-0144)*		
23 09 23 53-0146		EMCS Network Area Controllers (BACnet Or Lon) *(23 09 23 53-0145)* Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0147	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	12,563.74	550.86
23 09 23 53-0148	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	8,368.91	550.86
23 09 23 53-0149	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	6,242.37	550.86
23 09 23 53-0150	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	7,934.60	550.86
23 09 23 53-0151	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	6,184.10	550.86
23 09 23 53-0152	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	6,184.10	550.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0153	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,769.37	550.86
23 09 23 53-0154	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,383.76	550.86
23 09 23 53-0155	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,769.37	550.86
23 09 23 53-0156	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,383.76	550.86
23 09 23 53-0157	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,389.06	550.86
23 09 23 53-0158	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,003.45	550.86
23 09 23 53-0159	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	7,389.06	550.86
23 09 23 53-0160	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	8,003.45	550.86
23 09 23 53-0161	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	7,905.47	550.86
23 09 23 53-0162	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	9,957.86	550.86
23 09 23 53-0163	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,590.79	550.86
23 09 23 53-0164	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,643.19	550.86
23 09 23 53-0165	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,619.92	550.86
23 09 23 53-0166	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	14,531.39	550.86
23 09 23 53-0167		**EMCS Network Interfaces** *(23 09 23 53-0145)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0168	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,857.82	152.55
23 09 23 53-0169	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,573.13	101.70
23 09 23 53-0170	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,998.18	190.74
23 09 23 53-0171	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	3,098.53	275.49
23 09 23 53-0172	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,565.19	275.49
23 09 23 53-0173	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	107.32	33.90
23 09 23 53-0174		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0145)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0175	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,855.89	622.94
23 09 23 53-0176	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,432.14	368.69
23 09 23 53-0177	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	3,033.86	729.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0178	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,610.12	475.47
23 09 23 53-0179	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,365.86	762.81
23 09 23 53-0180	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,048.00	571.55
23 09 23 53-0181	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,556.53	877.22
23 09 23 53-0182	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,213.20	671.32
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,506.81	622.85
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,083.06	368.69
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,739.92	762.81
23 09 23 53-0186	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,316.07	508.50
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,404.89	633.11
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,972.68	517.53
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,638.00	877.21
23 09 23 53-0190	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,205.68	583.07
23 09 23 53-0191	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,349.25	877.21
23 09 23 53-0192	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,963.70	560.47
23 09 23 53-0193	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,815.49	877.21
23 09 23 53-0194	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,429.83	656.52

23 09 23 53-0195 DDC Programmable Controller Assemblies *(23 09 23 53-0145)*

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0202 for additional components.

23 09 23 53-0196	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,870.76	673.81
23 09 23 53-0197	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,372.90	673.81
23 09 23 53-0198	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,577.59	792.46
23 09 23 53-0199	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	5,079.72	792.46
23 09 23 53-0200	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,495.55	928.06
23 09 23 53-0201	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	9,075.99	928.06

23 09 23 53-0202 EMCS Optional DDC Controller Hardware *(23 09 23 53-0145)*

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 53-0203	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	603.80	
23 09 23 53-0204	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	697.81	
23 09 23 53-0205	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	730.92	
23 09 23 53-0206	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	689.87	
23 09 23 53-0207	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	700.46	
23 09 23 53-0208	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	684.57	
23 09 23 53-0209	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	589.24	
23 09 23 53-0210	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	512.44	
23 09 23 53-0211	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	750.78	
23 09 23 53-0212	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	671.33	
23 09 23 53-0213	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	741.51	
23 09 23 53-0214	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,574.38	
23 09 23 53-0215	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,958.38	
23 09 23 53-0216	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	978.53	
23 09 23 53-0217	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	963.96	
23 09 23 53-0218	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	472.71	
23 09 23 53-0219	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	537.59	
23 09 23 53-0220	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	993.09	
23 09 23 53-0221	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,061.95	
23 09 23 53-0222	EA	AI Module (Honeywell XFL521B)	664.71	
23 09 23 53-0223	EA	AO Module (Honeywell XFL522B)	664.71	
23 09 23 53-0224	EA	DI Module (Honeywell XFL523B)	664.71	
23 09 23 53-0225	EA	DO Module (Honeywell XFL524B)	664.71	
23 09 23 53-0226	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	117.85	
23 09 23 53-0227	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	222.45	
23 09 23 53-0228	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	218.48	
23 09 23 53-0229	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	668.68	
23 09 23 53-0230	EA	Lon Hub (Honeywell XIO-HUB)	99.31	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	668.68	
23 09 23 53-0232	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	615.72	
23 09 23 53-0233	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	615.72	
23 09 23 53-0234	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	648.82	
23 09 23 53-0235	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	648.82	
23 09 23 53-0236	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	933.51	
23 09 23 53-0237	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,101.67	
23 09 23 53-0238	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,341.05	

23 09 23 53-0239 EMCS Software *(23 09 23 53-0144)*

23 09 23 53-0240 Software Packages And License *(23 09 23 53-0239)*

Note: Includes installation on equipment.

23 09 23 53-0241	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	746.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0242	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,791.33	
23 09 23 53-0243	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,341.99	
23 09 23 53-0244	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,965.47	
23 09 23 53-0245	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,571.99	
23 09 23 53-0246	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,869.17	
23 09 23 53-0247	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,974.24	
23 09 23 53-0248	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	823.68	
23 09 23 53-0249	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	512.51	
23 09 23 53-0250	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	38,228.89	
23 09 23 53-0251	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	34,851.00	
23 09 23 53-0252	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	13,302.16	
23 09 23 53-0253	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,925.64	
23 09 23 53-0254	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,869.38	
23 09 23 53-0255	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,869.38	
23 09 23 53-0256	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,861.88	
23 09 23 53-0257	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,648.25	
23 09 23 53-0258	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,869.38	
23 09 23 53-0259	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,503.82	
23 09 23 53-0260	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,869.38	
23 09 23 53-0261	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	48,110.76	
23 09 23 53-0262	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	88,275.44	
23 09 23 53-0263	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	154,481.69	
23 09 23 53-0264	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,944.75	
23 09 23 53-0265	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,972.38	
23 09 23 53-0266	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	3,053.51	
23 09 23 53-0267	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,387.18	

23 09 23 53-0268 Initial Database Generation *(23 09 23 53-0239)*

23 09 23 53-0269	PNT	Database Generation For Central Plant	75.82	
23 09 23 53-0270	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	75.82	
23 09 23 53-0271	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	75.82	
23 09 23 53-0272	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	52.77	
23 09 23 53-0273	EA	Database Generation For Remote IO Modules, Sensors, etc.	52.77	

23 09 23 53-0274 Application Software Programs *(23 09 23 53-0239)*

23 09 23 53-0275	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	105.77	
23 09 23 53-0276	EA	Duty Cycling Program	49.95	
23 09 23 53-0277	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	92.77	
23 09 23 53-0278	EA	Scheduling Program, HVAC (AHU, RTU, AC Units, etc.) Programming Measures	4,519.93	
23 09 23 53-0279	EA	Supply Air Temperature Reset Program, HVAC (AHU, RTU, AC Units, etc.) Programming Measures	56.50	
23 09 23 53-0280	EA	Static Pressure Reset Program, HVAC (AHU, RTU, AC Units, etc.) Programming Measures	56.50	
23 09 23 53-0281	EA	Basic Economizer Program, HVAC (AHU, RTU, AC Units, etc.) Programming Measures	1,129.98	
23 09 23 53-0282	EA	Economizer Dual-Max Program, HVAC (AHU, RTU, AC Units, etc.) Programming Measures	2,259.96	
23 09 23 53-0283	EA	Demand Controlled Ventilation Program, HVAC (AHU, RTU, AC Units, etc.) Programming Measures	1,129.98	
23 09 23 53-0284	EA	Scheduling Program, Hydronic System (Hot Water, Chilled Water, Condenser Water) Programming Measures	4,519.93	
23 09 23 53-0285	EA	Lockout Program, Hydronic System (Hot Water, Chilled Water, Condenser Water) Programming Measures	1,129.98	
23 09 23 53-0286	EA	Supply Water Temperature Reset Program, Hydronic System (Hot Water, Chilled Water, Condenser Water) Programming Measures	56.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0287	EA	Differential Pressure Reset Program, Hydronic System (Hot Water, Chilled Water, Condenser Water) Programming Measures	56.50	
23 09 23 53-0288	EA	Bi-Level Lighting Program, Lighting Programming Measures	1,129.98	
23 09 23 53-0289	EA	Astronomical Clock Program, Lighting Programming Measures	564.99	
23 09 23 53-0290	EA	Discovery And Integration Of Network Devices (Priced Per Point)	84.75	
23 09 23 53-0291		**Color Graphics Generation** *(23 09 23 53-0239)* Note: Priced per page.		
23 09 23 53-0292	EA	Single Site Home Page Graphics Page With HTML Navigation Code	1,895.89	
23 09 23 53-0293	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,366.09	
23 09 23 53-0294	EA	Color Graphics Page For Central Plant	861.39	
23 09 23 53-0295	EA	Color Graphics Page For Building Floor Plan	795.39	
23 09 23 53-0296	EA	Replication Of Color Graphics Page For Central Plant	432.10	
23 09 23 53-0297	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	969.07	
23 09 23 53-0298	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	207.23	
23 09 23 53-0299	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	896.30	
23 09 23 53-0300	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	89.61	
23 09 23 53-0301		**Sensors, Actuators And Control Devices** *(23 09 23 53-0144)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0302		**Special Sensors** *(23 09 23 53-0301)*		
23 09 23 53-0303	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,331.61	69.95
23 09 23 53-0304	EA	Enthalpy Sensor -25 To 125 F	2,435.35	69.95
23 09 23 53-0305	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	1,031.30	139.89
23 09 23 53-0306	EA	Freezestat (Honeywell L482A1004)	693.62	233.11
23 09 23 53-0307	EA	Wall Mounted Occupancy Sensor	517.04	69.95
23 09 23 53-0308	EA	Ceiling Mounted Occupancy Sensor	402.68	69.95
23 09 23 53-0309	EA	I/P Positioner With Gauge	475.55	69.95
23 09 23 53-0310	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	568.36	69.95
23 09 23 53-0311	EA	EP Transducer	475.55	46.67
23 09 23 53-0312	EA	Electric Heat Sequencer	746.61	93.22
23 09 23 53-0313		**Meters** *(23 09 23 53-0301)*		
23 09 23 53-0314	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	4,857.85	559.34
23 09 23 53-0315	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	7,002.05	652.56
23 09 23 53-0316	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,644.95	233.11
23 09 23 53-0317	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,912.23	233.11
23 09 23 53-0318	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,424.82	233.11
23 09 23 53-0319		**Direct Coupled Actuators** *(23 09 23 53-0301)*		
23 09 23 53-0320	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	713.66	109.94
23 09 23 53-0321	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	788.96	109.94
23 09 23 53-0322	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	918.43	109.94
23 09 23 53-0323	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	669.60	109.94
23 09 23 53-0324	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	750.58	109.94
23 09 23 53-0325	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	830.77	109.94
23 09 23 53-0326	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	755.01	109.94
23 09 23 53-0327	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	870.48	109.94
23 09 23 53-0328	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	995.11	109.94
23 09 23 53-0329	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	609.52	109.94
23 09 23 53-0330	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	671.01	109.94
23 09 23 53-0331	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	794.53	109.94
23 09 23 53-0332	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	852.67	109.94
23 09 23 53-0333	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	851.95	109.94
23 09 23 53-0334	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	1,011.40	109.94
23 09 23 53-0335	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	634.72	109.94
23 09 23 53-0336	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,118.40	109.94
23 09 23 53-0337	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	475.68	109.94
23 09 23 53-0338	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	728.18	109.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0339		**Two Way Pneumatic Control Valves, Normally Closed** *(23 09 23 53-0301)* Note: Air-to-open 3-15 PSI operation, bronze body with 316 stainless steel trim (Dwyer Taylor hi-flow control valves with Lin-E-Aire actuator)		
23 09 23 53-0340	EA	1/2" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,413.78	69.16
		For Low Pressure Steam, Add	*127.55*	
23 09 23 53-0341	EA	3/4" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,488.74	81.24
		For Low Pressure Steam, Add	*132.63*	
23 09 23 53-0342	EA	1" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,617.87	92.81
		For Low Pressure Steam, Add	*143.22*	
23 09 23 53-0343	EA	1-1/4" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 98 PSI	1,730.63	98.54
		For Low Pressure Steam, Add	*153.37*	
23 09 23 53-0344	EA	1-1/4" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 125 PSI	1,854.21	98.54
		For Low Pressure Steam, Add	*165.73*	
23 09 23 53-0345	EA	1-1/2" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 95 PSI	1,933.49	108.28
		For Low Pressure Steam, Add	*171.68*	
23 09 23 53-0346	EA	1-1/2" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 168 PSI	2,079.14	108.28
		For Low Pressure Steam, Add	*186.25*	
23 09 23 53-0347	EA	2" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 31 PSI	2,123.49	125.05
		For Low Pressure Steam, Add	*187.35*	
23 09 23 53-0348	EA	2" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 88 PSI	2,269.14	125.05
		For Low Pressure Steam, Add	*201.92*	
23 09 23 53-0349	EA	2" Diameter, Pneumatic Two-Way Valve, Closed, Bronze With Stainless Steel Trim, USP of 175 PSI	2,774.48	125.05
		For Low Pressure Steam, Add	*252.45*	
23 09 23 53-0350		**Plastic, Two Way, Pneumatic Activated** *(23 09 23 53-0301)*		
23 09 23 53-0351		**Polyvinyl Chloride (PVC) Butterfly Valve With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals** *(23 09 23 53-0350)* Note: With NEMA 4X housing.		
23 09 23 53-0352	EA	1-1/2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,750.22	40.94
		For Low Pressure Steam, Add	*266.83*	
23 09 23 53-0353	EA	2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,765.79	48.74
		For Low Pressure Steam, Add	*266.83*	
23 09 23 53-0354	EA	3" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,993.80	129.99
		For Low Pressure Steam, Add	*273.42*	
23 09 23 53-0355	EA	4" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,074.61	194.98
		For Low Pressure Steam, Add	*268.40*	
23 09 23 53-0356	EA	6" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,364.90	259.98
		For Low Pressure Steam, Add	*284.41*	
23 09 23 53-0357	EA	8" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,896.34	292.48
		For Low Pressure Steam, Add	*331.19*	
23 09 23 53-0358		**Polyvinyl Chloride (PVC) Butterfly Valve With Viton Liner And Seals** *(23 09 23 53-0350)* Note: With NEMA 4X housing.		
23 09 23 53-0359	EA	1-1/2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,822.42	40.94
		For Low Pressure Steam, Add	*274.05*	
23 09 23 53-0360	EA	2" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	2,837.99	48.74
		For Low Pressure Steam, Add	*274.05*	
23 09 23 53-0361	EA	3" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,062.87	129.99
		For Low Pressure Steam, Add	*280.33*	
23 09 23 53-0362	EA	4" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,401.08	194.98
		For Low Pressure Steam, Add	*301.05*	
23 09 23 53-0363	EA	6" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,476.17	259.98
		For Low Pressure Steam, Add	*395.54*	
23 09 23 53-0364	EA	8" Diameter, Two Way Pneumatically Activated Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,754.74	292.48
		For Low Pressure Steam, Add	*517.03*	
23 09 23 53-0365		**Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve** *(23 09 23 53-0350)* Note: With NEMA 4X housing.		
23 09 23 53-0366	EA	1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,557.20	68.89
		For Low Pressure Steam, Add	*141.89*	
23 09 23 53-0367	EA	3/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,641.05	81.24
		For Low Pressure Steam, Add	*147.86*	
23 09 23 53-0368	EA	1" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	1,723.91	92.94
		For Low Pressure Steam, Add	*153.82*	
23 09 23 53-0369	EA	1-1/4" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,099.31	98.79
		For Low Pressure Steam, Add	*190.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0370	EA	1-1/2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,119.01	108.54
		For Low Pressure Steam, Add	*190.24*	
23 09 23 53-0371	EA	2" Polyvinyl Chloride (PVC) Pneumatically Activated Diaphragm Valve	2,538.45	124.79
		For Low Pressure Steam, Add	*228.85*	
23 09 23 53-0372		Chlorinated Polyvinyl Chloride (CPVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0350)*		
		Note: With NEMA 4X housing.		
23 09 23 53-0373	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,732.99	68.89
		For Low Pressure Steam, Add	*159.47*	
23 09 23 53-0374	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,848.24	81.24
		For Low Pressure Steam, Add	*168.58*	
23 09 23 53-0375	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	1,949.93	92.94
		For Low Pressure Steam, Add	*176.42*	
23 09 23 53-0376	EA	1-1/4" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,400.67	98.79
		For Low Pressure Steam, Add	*220.37*	
23 09 23 53-0377	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,420.37	108.54
		For Low Pressure Steam, Add	*220.37*	
23 09 23 53-0378	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Pneumatically Activated Diaphragm Valve	2,799.00	124.79
		For Low Pressure Steam, Add	*254.90*	
23 09 23 53-0379		Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0350)*		
		Note: With VITON seals.		
23 09 23 53-0380	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	686.80	68.89
		For Low Pressure Steam, Add	*54.90*	
23 09 23 53-0381	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	766.22	81.24
		For Low Pressure Steam, Add	*60.37*	
23 09 23 53-0382	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	836.52	92.94
		For Low Pressure Steam, Add	*65.06*	
23 09 23 53-0383	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,098.97	98.14
		For Low Pressure Steam, Add	*90.27*	
23 09 23 53-0384	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,105.46	101.39
		For Low Pressure Steam, Add	*90.27*	
23 09 23 53-0385	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With VITON Seals	1,386.08	117.64
		For Low Pressure Steam, Add	*115.08*	
23 09 23 53-0386		Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0350)*		
		Note: With PTFE seals.		
23 09 23 53-0387	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	735.65	68.89
		For Low Pressure Steam, Add	*59.79*	
23 09 23 53-0388	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	811.17	81.24
		For Low Pressure Steam, Add	*64.87*	
23 09 23 53-0389	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	879.50	92.94
		For Low Pressure Steam, Add	*69.36*	
23 09 23 53-0390	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,130.23	98.14
		For Low Pressure Steam, Add	*93.39*	
23 09 23 53-0391	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,136.72	101.39
		For Low Pressure Steam, Add	*93.39*	
23 09 23 53-0392	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Polytetrafluoroethylene (PTFE) Seals	1,407.58	117.64
		For Low Pressure Steam, Add	*117.23*	
23 09 23 53-0393		Polyvinyl Chloride (PVC), Pneumatically Activated Diaphragm Valve *(23 09 23 53-0350)*		
		Note: With ethylene propylene diene monomer (EPDM) seals.		
23 09 23 53-0394	EA	1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	614.54	68.89
		For Low Pressure Steam, Add	*47.68*	
23 09 23 53-0395	EA	3/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	676.35	81.24
		For Low Pressure Steam, Add	*51.39*	
23 09 23 53-0396	EA	1" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	736.88	92.94
		For Low Pressure Steam, Add	*55.10*	
23 09 23 53-0397	EA	1-1/4" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	977.83	98.14
		For Low Pressure Steam, Add	*78.15*	
23 09 23 53-0398	EA	1-1/2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	984.32	101.39
		For Low Pressure Steam, Add	*78.15*	
23 09 23 53-0399	EA	2" Polyvinyl Chloride (PVC) Diaphragm Valve With Ethylene Propylene Diene Monomer (EPDM) Seals	1,235.65	117.64
		For Low Pressure Steam, Add	*100.04*	
23 09 23 53-0400		Three-Way Modular Polyvinyl Chloride (PVC) Ball Valve *(23 09 23 53-0350)*		
		Note: Equipped for actuator.		
23 09 23 53-0401	EA	1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	145.05	23.40
23 09 23 53-0402	EA	3/4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	168.80	28.59
23 09 23 53-0403	EA	1" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	182.11	30.55
23 09 23 53-0404	EA	1-1/2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	337.15	46.15
23 09 23 53-0405	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	516.53	94.24
23 09 23 53-0406	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	1,051.06	129.99
23 09 23 53-0407	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Threaded Or Socket	1,950.12	194.98
23 09 23 53-0408	EA	2" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	789.64	94.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0409	EA	3" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	1,541.67	220.98
23 09 23 53-0410	EA	4" Polyvinyl Chloride (PVC) Modular 3-Way Ball Valve, Flanged	2,790.40	370.46
23 09 23 53-0411		Electric Activated Plastic Control Valves *(23 09 23 53-0301)* Note: Includes motor.		
23 09 23 53-0412		Two Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0411)* Note: With NEMA 4X housing.		
23 09 23 53-0413		Two Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0412)*		
23 09 23 53-0414	EA	1/2" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	818.28	21.45
23 09 23 53-0415	EA	3/4" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	843.08	26.00
23 09 23 53-0416	EA	1" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	878.36	27.95
23 09 23 53-0417	EA	1-1/4" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	935.76	40.94
23 09 23 53-0418	EA	1-1/2" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	935.76	40.94
23 09 23 53-0419	EA	2" Polyvinyl Chloride (PVC), Two Way, Electric Control Valve	1,020.39	48.74
23 09 23 53-0420		Two Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0412)*		
23 09 23 53-0421	EA	1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	874.79	21.45
23 09 23 53-0422	EA	3/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	899.58	26.00
23 09 23 53-0423	EA	1" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	956.84	27.95
23 09 23 53-0424	EA	1-1/4" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,026.80	40.94
23 09 23 53-0425	EA	1-1/2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,026.80	40.94
23 09 23 53-0426	EA	2" Two Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,136.55	48.74
23 09 23 53-0427		Three Way Plastic Electric Control Valves With Electric Actuator *(23 09 23 53-0411)* Note: With NEMA 4X housing.		
23 09 23 53-0428		Three Way Polyvinyl Chloride (PVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0427)*		
23 09 23 53-0429	EA	1/2" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	878.69	23.40
23 09 23 53-0430	EA	3/4" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	904.77	28.59
23 09 23 53-0431	EA	1" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	949.47	30.55
23 09 23 53-0432	EA	1-1/2" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	1,128.21	46.15
23 09 23 53-0433	EA	2" Polyvinyl Chloride (PVC), Three Way, Electric Control Valve	1,372.42	94.24
23 09 23 53-0434		Three Way Chlorinated Polyvinyl Chloride (CPVC) Electric Control Valves, With Electric Actuator *(23 09 23 53-0427)*		
23 09 23 53-0435	EA	1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	925.78	23.40
23 09 23 53-0436	EA	3/4" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	964.42	28.59
23 09 23 53-0437	EA	1" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,015.40	30.55
23 09 23 53-0438	EA	1-1/2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,225.52	46.15
23 09 23 53-0439	EA	2" Three Way Electric Control Valve, Chlorinated Polyvinyl Chloride (CPVC)	1,513.68	94.24
23 09 23 53-0440		Two Way Plastic Electric Control Butterfly Valves *(23 09 23 53-0411)* Note: Includes electric actuator. With NEMA 4X housing.		
23 09 23 53-0441		Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals *(23 09 23 53-0440)*		
23 09 23 53-0442	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,850.67	40.94
23 09 23 53-0443	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	2,866.24	48.74
23 09 23 53-0444	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,062.87	129.99
23 09 23 53-0445	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	3,718.14	194.98
23 09 23 53-0446	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,124.58	259.98
23 09 23 53-0447	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Liner And Seals	4,656.02	292.48
23 09 23 53-0448		Polyvinyl Chloride (PVC) With Viton Liner And Seals *(23 09 23 53-0440)*		
23 09 23 53-0449	EA	1-1/2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,205.40	40.94
23 09 23 53-0450	EA	2" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,220.97	48.74
23 09 23 53-0451	EA	3" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	3,445.85	129.99
23 09 23 53-0452	EA	4" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	4,264.36	194.98
23 09 23 53-0453	EA	6" Two Way Electric Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	5,047.51	259.98
23 09 23 53-0454	EA	8" Two Way Butterfly Control Butterfly Valve, Polyvinyl Chloride (PVC) With Viton Liner And Seals	6,200.51	292.48
23 09 23 53-0455		CO2 Sensors *(23 09 23 53-0301)*		
23 09 23 53-0456	EA	CO2 Sensors Field Equipment, Sensors	532.37	47.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0457		**Switches** *(23 09 23 53-0301)*		
23 09 23 53-0458	EA	Air Pressure/Static Switch Field Equipment, Switches	284.56	58.91
23 09 23 53-0459	EA	Water Pressure/Flow Switch Field Equipment, Switches	332.21	58.91
23 09 23 53-0460		**Miscellaneous Devices** *(23 09 23 53-0301)*		
23 09 23 53-0461	EA	Contactor 20 Amperes, Field Equipment	306.89	84.60
23 09 23 53-0462	EA	Contactor 30 Amperes, Field Equipment	473.45	112.80
23 09 23 53-0463		**Network Manager Main Controller** *(23 09 23 53-0301)*		
		Note: Landis & Staefa.		
23 09 23 53-0464	EA	Network Manager, Without Enclosure (NCRE/A)	16,884.92	676.80
23 09 23 53-0465		**Control Cards (Smart-cards)** *(23 09 23 53-0301)*		
		Note: Landis & Staefa.		
23 09 23 53-0466	EA	Smart-Card With Base And Cover (091-60230-410)	1,215.75	112.80
23 09 23 53-0467		**Data Transmission Media** *(23 09 23 53-0301)*		
23 09 23 53-0468		**Terminal Equipment Controllers** *(23 09 23 53-0467)*		
		Note: Landis & Staefa.		
23 09 23 53-0469	EA	TEC, Variable Air Volume Without Heating Hot Water Valve	3,740.69	522.73
		Note: Includes temperature sensors and damper actuator.		
		For No Smart-Card, Deduct	*-391.00*	
23 09 23 53-0470	EA	TEC, Variable Air Volume With Heating Hot Water Valve	4,366.57	522.73
		Note: Includes temperature sensors, water valve actuator and damper actuator.		
		For No Smart-Card, Deduct	*-391.00*	
23 09 23 53-0471		**Remote Monitoring** *(23 09 23 53-0301)*		
23 09 23 53-0472	EA	Advantech ADAM-6015 Analog Module	1,089.10	84.60
		Note: For RTDs.		
23 09 23 53-0473	EA	Advantech ADAM-6050 Digital Module	642.23	84.60
		Note: For pumps and DI.		
23 09 23 53-0474	EA	Ethernet Serial Server (B&B Electronics ESR-901)	694.80	84.60
		Note: For chiller, boiler and access controls.		
23 09 23 53-0475	EA	Lantronix UDS-10 Ethernet Serial Server	489.87	84.60
		Note: For fire alarm.		
23 09 23 53-0476	EA	24 Volt DC, 2.5 Amperes, Power Supply (B&B Electronics DR-60-24)	366.35	84.60
23 09 23 53-0477	EA	8 Port Ethernet Switch (B&B Electronics EIR-308)	957.67	84.60
23 09 23 53-0478	EA	Pyromation RTD R1T185	426.81	84.60
		Note: Pyromation R1T185L483-WI4D0408C8-SL-8HN-63 100 ohm Pt. RTD -200 to 204 Deg C.		
23 09 23 53-0479	EA	Hoffman 36" x 36" x 12" Enclosure Stainless Steel 316 With Panel	9,651.99	135.36
23 09 23 53-0480	EA	IFS-WPS Flow Switch (Potter 9000017)	544.72	84.60
23 09 23 53-0481	EA	Cleveland Controls AFS-222-112 Pressure SW	247.40	84.60
		Note: For air handling unit.		
23 09 23 53-0482	EA	Honeywell S7810M1003 Modbus Module	1,237.76	84.60
		Note: For boiler.		
23 09 23 53-0483	EA	FIREYE EPD160 EP Programmer Code 04	2,569.56	84.60
		Note: For boiler.		
23 09 23 53-0484	EA	FIREYE E110 Flame Monitor	1,609.84	84.60
		Note: For boiler.		
23 09 23 53-0485	EA	FIREYE EPD260 EP Programmer Code 04	1,877.96	84.60
		Note: For boiler.		
23 09 23 53-0486	EA	FIREYE E1R1 Amplifier Module	1,303.41	84.60
		Note: For boiler.		
23 09 23 53-0487		**Thermostats** *(23 09 23 53-0144)*		
23 09 23 53-0488		**Electric And Electronic Thermostats** *(23 09 23 53-0487)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.		
23 09 23 53-0489	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	221.02	16.95
23 09 23 53-0490	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	240.10	16.95
23 09 23 53-0491	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	218.90	16.95
23 09 23 53-0492	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	247.94	16.95
23 09 23 53-0493	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	269.78	16.95
23 09 23 53-0494	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	409.71	16.95
23 09 23 53-0495	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	609.00	16.95
23 09 23 53-0496	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	1,003.07	16.95
23 09 23 53-0497	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,071.54	16.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0498		**Pneumatic Thermostats** *(23 09 23 53-0487)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0499	EA	Pneumatic Thermostat (Honeywell TP970B2182)	321.44	16.95
23 09 23 53-0500		**Thermostats Guards** *(23 09 23 53-0487)*		
23 09 23 53-0501	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	75.14	16.95
23 09 23 53-0502	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	91.04	16.95
23 09 23 53-0503	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	85.31	16.95
23 09 23 53-0504		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0505		**Software** *(23 09 23 53-0504)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0506	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	21,502.05	
23 09 23 53-0507	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	25,442.85	
23 09 23 53-0508	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,185.53	
23 09 23 53-0509	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,834.99	
23 09 23 53-0510	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,308.27	
23 09 23 53-0511	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,196.53	
23 09 23 53-0512	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,189.09	
23 09 23 53-0513	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	385.77	
23 09 23 53-0514		**Supervisory Controllers** *(23 09 23 53-0504)*		
23 09 23 53-0515	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	8,699.68	451.99
23 09 23 53-0516	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	13,896.91	451.99
23 09 23 53-0517	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	19,105.66	451.99
23 09 23 53-0518	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	6,697.73	451.99
23 09 23 53-0519		**Controllers** *(23 09 23 53-0504)*		
23 09 23 53-0520	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	1,004.28	113.00
23 09 23 53-0521	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,350.82	225.99
23 09 23 53-0522	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,699.30	225.99
23 09 23 53-0523	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	2,045.84	225.99
23 09 23 53-0524	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	805.46	113.00
23 09 23 53-0525	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	893.83	113.00
23 09 23 53-0526	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	1,026.38	113.00
23 09 23 53-0527	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	1,044.04	113.00
23 09 23 53-0528	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,136.01	225.99
23 09 23 53-0529	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	1,020.37	113.00
23 09 23 53-0530	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0)	1,524.34	113.00
		Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0531		**Master FX Controllers** *(23 09 23 53-0504)*		
23 09 23 53-0532	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,743.90	225.99
23 09 23 53-0533	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,953.30	225.99
23 09 23 53-0534	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	3,057.36	225.99
23 09 23 53-0535	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,994.12	225.99
23 09 23 53-0536	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,895.29	225.99
23 09 23 53-0537	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,911.14	225.99
23 09 23 53-0538	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,895.29	225.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0539	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,953.53	225.99
23 09 23 53-0540	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	3,134.38	225.99
23 09 23 53-0541	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,254.94	225.99
23 09 23 53-0542	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,194.65	225.99
23 09 23 53-0543	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	3,071.25	225.99
23 09 23 53-0544	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,953.53	225.99
23 09 23 53-0545	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	3,134.38	225.99
23 09 23 53-0546	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,254.94	225.99
23 09 23 53-0547	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,194.65	225.99
23 09 23 53-0548	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	3,071.25	225.99
23 09 23 53-0549	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	326.60	56.50
23 09 23 53-0550	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	474.96	56.50
23 09 23 53-0551	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	368.24	56.50
23 09 23 53-0552	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	326.60	56.50
23 09 23 53-0553	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	909.94	56.50
23 09 23 53-0554	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	833.63	56.50
23 09 23 53-0555	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	851.50	56.50
23 09 23 53-0556	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	851.50	56.50
23 09 23 53-0557	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	940.76	56.50
23 09 23 53-0558	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	940.76	56.50
23 09 23 53-0559	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,197.37	56.50
23 09 23 53-0560	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,197.37	56.50
23 09 23 53-0561	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,342.41	56.50
23 09 23 53-0562	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,342.41	56.50
23 09 23 53-0563		VAV, Network And Special Sensors *(23 09 23 53-0504)*		
23 09 23 53-0564	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	641.10	36.16
23 09 23 53-0565	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	202.91	36.16
23 09 23 53-0566	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	492.23	36.16
23 09 23 53-0567	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	744.92	36.16
23 09 23 53-0568	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	235.72	36.16
23 09 23 53-0569	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	673.67	36.16
23 09 23 53-0570		Sensors - Hard Wired Type *(23 09 23 53-0504)*		
23 09 23 53-0571	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	182.51	65.09
23 09 23 53-0572	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	165.39	36.16
23 09 23 53-0573	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	495.14	16.95
23 09 23 53-0574	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	676.50	16.95
23 09 23 53-0575	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	496.14	16.95
23 09 23 53-0576	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	657.49	36.16
23 09 23 53-0577	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	814.44	36.16
23 09 23 53-0578		Melink Intelli-Hood IH3 Controls *(23 09 23 53)*		
23 09 23 53-0579		Kitchen Ventilation Controllers *(23 09 23 53-0578)*		
23 09 23 53-0580	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	10,216.77	451.99
23 09 23 53-0581	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	2,012.17	93.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0582	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) ..... Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	3,157.07	376.28
23 09 23 53-0583		**Kitchen Ventilation Sensors** *(23 09 23 53-0578)*		
23 09 23 53-0584	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) ..... Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	578.73	65.09
23 09 23 53-0585	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) ..... Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	5,063.53	361.59
23 09 23 53-0586		**Reliable Controls Controllers** *(23 09 23 53)*		
23 09 23 53-0587	EA	MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S)	17,704.02	225.99
23 09 23 53-0588	EA	HOA Switches, Potentiometer Overrides For Each Output, MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S-H)	17,704.02	225.99
23 09 23 53-0589	EA	Certified For Smoke Control, MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S-SMK)	20,345.91	225.99
23 09 23 53-0590	EA	HOA Switches, Potentiometer Overrides For Each Output, Certified For Smoke Control, MACH-ProWebSys Controller/Web Server (Reliable Controls MPW-S-H-SMK)	21,384.28	225.99
23 09 23 53-0591	EA	12 Universal Inputs And 8 Outputs, I/O Expansion Module (Reliable Controls MPP-IO)	3,481.10	28.25
23 09 23 53-0592	EA	HOA Switches, Potentiometer Overrides For Each Output, 12 Universal Inputs And 8 Outputs, I/O Expansion Module (Reliable Controls MPP-IO-H)	4,153.90	28.25
23 09 23 53-0593	EA	12 Universal Inputs And 8 Universal Outputs, Expansion Module (Reliable Controls MPP-IO-U)	3,640.33	28.25
23 09 23 53-0594	EA	HOA Switches, Potentiometer Overrides For Each Output, 12 Universal Inputs And 8 Universal Outputs, Expansion Module (Reliable Controls MPP-IO-U-H)	4,483.58	28.25
23 09 23 53-0595	EA	Door Label Sheet For MP-S, MPS-H, MPW-S, MPW-S-H, MPP-IO, MPP-IO-H, MPP-IO-U, And MPPIO-U-H (Reliable Controls MPP-IO-DL)	24.76	5.65
23 09 23 53-0596	EA	24 Universal Inputs, MPP Input Expansion Module (Reliable Controls MPP-I)	3,138.14	39.55
23 09 23 53-0597	EA	16 Universal Outputs, Output Expansion Module (Reliable Controls MPP-O)	4,005.97	33.90
23 09 23 53-0598	EA	HOA Switches, Potentiometer Overrides For Each Output, 16 Universal Outputs, Output Expansion Module (Reliable Controls MPP-O-H)	5,692.48	33.90
23 09 23 53-0599	EA	Door Label Sheet For MPP-O (Reliable Controls MPP-O-DL)	24.76	5.65
23 09 23 53-0600	EA	Relay Output Module (Package Of 10) (Reliable Controls RM)	820.91	5.65
23 09 23 53-0601	EA	TRIAC Output Module (Package Of 10) (Reliable Controls TM)	778.30	5.65
23 09 23 53-0602	EA	Universal Output Module (Package Of 10) (Reliable Controls UM)	648.23	5.65
23 09 23 53-0603	EA	SMART-Sensor Network Expansion Board (Reliable Controls SS-X)	509.52	28.25
23 09 23 53-0604	EA	SMART-Net Breakout Connector RJ-11 To Terminal Block(Reliable Controls SS-RJ11TB-B)	145.86	28.25
23 09 23 53-0605	LF	SMART-Net Breakout Connector RJ-11 To Terminal Block (Reliable Controls SS-RJ11TB-C)	4.50	28.25
23 09 23 53-0606		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0607	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	476.79	16.95
23 09 23 53-0608	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	331.51	16.95
23 09 23 53-0609	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	323.75	76.34
23 09 23 53-0610	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	509.53	76.34
23 09 23 53-0611	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	81.45	11.30
23 09 23 53-0612	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	271.12	113.00
23 09 23 53-0613	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	453.92	22.61
23 09 23 53-0614	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	800.56	41.05
23 09 23 53-0615	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,615.22	41.05
23 09 23 53-0616	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,364.68	52.00
23 09 23 53-0617	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	329.47	65.09
23 09 23 53-0618	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	285.48	36.16
23 09 23 53-0619	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	634.46	53.34
23 09 23 53-0620	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	115.93	5.65
23 09 23 53-0621	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,015.91	108.48
23 09 23 53-0622	EA	MMI Extension Cable (Siemens 545-712)	309.40	5.65
23 09 23 53-0623	EA	Remote Pressure Transmitter (Siemens 547-003)	1,568.43	36.16
23 09 23 53-0624	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	950.45	27.12
23 09 23 53-0625	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	811.53	72.32
23 09 23 53-0626	EA	Door Lock And Key Assembly (Siemens 567-225)	42.53	22.60
23 09 23 53-0627	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) ..... Note: Includes one user license and one sentinel key.	16,012.22	
23 09 23 53-0628	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	508.75	
23 09 23 53-0629	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,478.64	
23 09 23 53-0630	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	533.09	13.65
23 09 23 53-0631	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,122.80	23.66
23 09 23 53-0632	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,534.66	45.20
23 09 23 53-0633	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,415.40	45.20
23 09 23 53-0634	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	187.48	16.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0635	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	482.62	53.31
23 09 23 53-0636	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	515.23	53.31
23 09 23 53-0637	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,668.72	
23 09 23 53-0638	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	942.74	
23 09 23 53-0639	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	3,034.12	
23 09 23 53-0640	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,172.01	
23 09 23 53-0641	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,867.16	
23 09 23 53-0642	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,520.18	
23 09 23 53-0643	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	874.28	2.26
23 09 23 53-0644	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	976.14	9.04
23 09 23 53-0645	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	492.84	2.26
23 09 23 53-0646	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	463.68	63.28
23 09 23 53-0647	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	829.79	63.28
23 09 23 53-0648	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,171.63	72.32
23 09 23 53-0649	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	40.25	11.30
23 09 23 53-0650	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	856.17	28.25
23 09 23 53-0651	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,380.07	28.25
23 09 23 53-0652	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,049.19	28.25
23 09 23 53-0653	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,600.68	28.25
23 09 23 53-0654	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,693.05	56.50
23 09 23 53-0655	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	6,076.05	56.50
23 09 23 53-0656	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,925.14	56.50
23 09 23 53-0657	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,890.31	56.50
23 09 23 53-0658	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,264.32	56.50
23 09 23 53-0659	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,016.51	56.50
23 09 23 53-0660	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,765.74	56.50
23 09 23 53-0661	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,023.98	56.50
23 09 23 53-0662	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,959.92	56.50
23 09 23 53-0663	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,191.30	56.50
23 09 23 53-0664	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,954.08	56.50
23 09 23 53-0665	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,189.72	56.50
23 09 23 53-0666	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,117.33	56.50
23 09 23 53-0667	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,236.05	56.50
23 09 23 53-0668	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,400.65	
23 09 23 53-0669	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	548.04	28.25
23 09 23 53-0670	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	396.80	28.25
23 09 23 53-0671	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	906.66	22.60
23 09 23 53-0672	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	304.36	28.25
23 09 23 53-0673	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	291.04	36.16
23 09 23 53-0674	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	143.02	28.25
23 09 23 53-0675	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	104.34	28.25
23 09 23 53-0676	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	316.59	56.50
23 09 23 53-0677	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	200.36	42.37
23 09 23 53-0678	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,662.86	364.08
23 09 23 53-0679	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	36.29	11.30
23 09 23 53-0680	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.92	
23 09 23 53-0681	EA	16 Digital Input Module (Siemens TXM1.16D)	689.49	11.30
23 09 23 53-0682	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,046.32	11.30
23 09 23 53-0683	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,683.12	22.60
23 09 23 53-0684	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	513.40	6.78
23 09 23 53-0685	EA	15/55, Low Temperature, Manual Thermostat (Siemens 134-1504)	599.06	59.43
23 09 23 53-0686	EA	1/2", Two Way, 0.63CV Stainless Steel Ball Valve+GDE131.1P (Siemens 171A-10301S)	229.03	7.52
23 09 23 53-0687	EA	3/4" Two Way, 25CV Stainless Steel Ball Valve+GDE131.1P (Siemens 171A-10311S)	285.28	9.04
23 09 23 53-0688	EA	2" Two Way, 40CV Stainless Steel Ball Valve+GLB161.1Q+ADPTR (Siemens 173D-10327S)	752.92	16.95
23 09 23 53-0689	EA	1/2" PICV 1 GPM + 0-10V NSR Valve/Actuator Assembly (Siemens 231-04300-1)	535.03	7.52
23 09 23 53-0690	EA	18" Rigid Duct Point Temperature Sensor, 4-20 mA, 30-250F (Siemens 533-377-18)	211.81	18.20
23 09 23 53-0691	EA	48" Rigid Duct Average Temperature Sensor, 4-20mA, 20-120F (Siemens 535-490-48)	268.17	18.20
23 09 23 53-0692	EA	Terminal Box Controller, ELEC OUT (Siemens 540-100N)	909.97	28.49
23 09 23 53-0693	EA	VAV VAV WITH 0-10VDC Reheat Control (Siemens 540-865EN)	1,790.95	3.76
23 09 23 53-0694	EA	DIN Rail, 3PH Fuse Module, MD (Siemens 567-090-01)	206.75	4.52
23 09 23 53-0695	EA	Small Control Cabinet, #0 Blank Door (Siemens 567-551)	303.20	18.08
23 09 23 53-0696	EA	Small Control Cabinet, #0 Window/Door (Siemens 567-556)	368.68	18.08
23 09 23 53-0697	EA	Air Differential Pressure Sensor, 1%, 0-5", Conduit, 0-10V (Siemens 590-506)	410.76	22.60
23 09 23 53-0698	EA	Air Differential Pressure Sensor, 1%, 0-1", Conduit, 0-10V (Siemens 590-508)	410.76	22.60
23 09 23 53-0699	EA	Pressure/Temperature Port Set For PICV (Siemens 599-10079)	77.03	7.52
23 09 23 53-0700	EA	DXR2.E18 Room Automation Station (Siemens DXR2.E18-101B)	892.79	7.52
23 09 23 53-0701	EA	DXR2.M12P Room AS 60 DP (Siemens DXR2.M12PX-102B)	954.43	7.52
23 09 23 53-0702	EA	Spring Return Rotary Damper Actuator,160 Lb.-IN,24VAC/DC,0-10VDC,AUX,ADJ (Siemens GCA164.1U)	734.53	26.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0703	EA	Non-Spring Return Actuator, 24/108L 5NM, No Plenum (Siemens GDE131.1U)	247.71	26.00
23 09 23 53-0704	EA	Power Meter BMED Display W-QTY3 SCT-HMC-100A (Siemens MD-BMED-3-CTSC-100)	1,797.79	22.60
23 09 23 53-0705	EA	Power Meter BMED Display W-QTY3 SCT-SCM-400A (Siemens MD-BMED-3-CTSC-400)	1,813.52	22.60
23 09 23 53-0706	EA	Power Meter BMED Display W-QTY3 SCT-SCL-600A (Siemens MD-BMED-3-CTSC-600)	1,876.51	22.60
23 09 23 53-0707	EA	1UI, 3 Digital Inputs, 2 Digital Outputs, Point Pickup Module With Removable Terminal Blocks (Siemens PPM-1U32.PPR)	558.70	22.60
23 09 23 53-0708	EA	PXC MOD, BACNET, TX-I/O, 96 Node, AS Modular For APOGEE (Siemens PXC100-E96.A)	8,256.96	7.52
23 09 23 53-0709	EA	PXC MOD, P2, TX-I/O, 96 NODE, AS Modular For APOGEE (Siemens PXC100-PE96.A)	9,703.49	7.52
23 09 23 53-0710	EA	APOGEE 24PT, BACNET Ethernet, RS485 (Siemens PXC24.2-EF.A)	4,050.07	7.52
23 09 23 53-0711	EA	APOGEE 24PT, P2 Ethernet, RS485 (Siemens PXC24.2-PEF.A)	4,731.04	7.52
23 09 23 53-0712	EA	APOGEE 36PT, BACNET IP/MSTP,TXIO,RS485 (Siemens PXC36-EF.A)	11,234.28	7.52
23 09 23 53-0713	EA	APOGEE 36PT, P2 RS485/IP ALN,TXIO,RS485 (Siemens PXC36-PEF.A)	13,268.40	7.52
23 09 23 53-0714	EA	8" Duct Point Temperature Sensor, 10K OHM TYPE 2 (Siemens QAM2030.020)	127.96	18.20
23 09 23 53-0715	EA	Air Differential Pressure Sensor, 1%, 0-1", 4-20MA (Siemens QBM3100U1)	336.06	22.60
23 09 23 53-0716	EA	Air Differential Pressure Sensor, 1%, 0-5", 4-20MA (Siemens QBM3100U5)	336.06	22.60
23 09 23 53-0717	EA	Q-Series Duct Relative Humidity Sensor, 4-20mA, 2% (Siemens QFM3101)	433.15	14.30
23 09 23 53-0718	EA	QMX3 Room Temperature Sensor, Relative Humidity And CO2 With Display (Siemens QMX3.P74)	875.74	22.60
23 09 23 53-0719	EA	Duct, CO2 /Temperature/Relative Humidity Sensor, 0-10V (Siemens QPM2162)	1,069.04	14.30
23 09 23 53-0720	EA	BACNET RTU Thermostat (Siemens RDY2000BN)	828.57	22.60
23 09 23 53-0721	EA	QMX3.P40 Temperature And Humidity Sensor, Wall Mount (Siemens S55624-H116)	417.63	22.60
23 09 23 53-0722	EA	QMX2.P33 ROOM UNIT AND TEMP.SENSOR (S55624-H118)	357.97	22.60
23 09 23 53-0723	EA	BUS INTERFACE Module For P1 (Siemens TXB1.P1)	1,067.05	60.27
23 09 23 53-0724	EA	8 Digital Input Module (Siemens TXM1.8D)	497.42	11.30

23 09 23 53-0725 Trane Controls *(23 09 23 53)*

23 09 23 53-0726 Software *(23 09 23 53-0725)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0727	EA	Summit + Building Management Package (Trane 40201152)	7,922.17	
23 09 23 53-0728	EA	Summit Current Version Software (Trane 40201111)	4,448.24	
23 09 23 53-0729	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,088.90	
23 09 23 53-0730	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,421.03	
23 09 23 53-0731	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	12,322.48	

23 09 23 53-0732 EMCS Central Equipment And Controllers *(23 09 23 53-0725)*

23 09 23 53-0733	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	6,293.81	451.99
23 09 23 53-0734	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	15,131.15	451.99
23 09 23 53-0735	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	15,131.15	451.99
23 09 23 53-0736	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	13,212.25	451.99
23 09 23 53-0737	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	15,443.33	451.99
23 09 23 53-0738	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	224.08	28.25
23 09 23 53-0739	EA	Summit Comm5 Repeater (Trane 49500457)	1,722.87	225.99
23 09 23 53-0740	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	3,000.67	282.49
23 09 23 53-0741	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	3,867.14	339.00
23 09 23 53-0742	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,980.44	339.00
23 09 23 53-0743	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,480.18	339.00
23 09 23 53-0744	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,477.39	339.00
23 09 23 53-0745	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,146.62	113.00
23 09 23 53-0746	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	1,036.40	113.00
23 09 23 53-0747	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,852.46	225.99
23 09 23 53-0748	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,761.06	225.99
23 09 23 53-0749	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	996.02	113.00
23 09 23 53-0750	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	863.30	113.00
23 09 23 53-0751	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,322.61	113.00
23 09 23 53-0752	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,190.61	113.00
23 09 23 53-0753	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	1,007.84	113.00
23 09 23 53-0754	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	957.15	113.00
23 09 23 53-0755	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,112.79	113.00
23 09 23 53-0756	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	1,007.84	113.00
23 09 23 53-0757	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,353.03	225.99
23 09 23 53-0758	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,483.56	225.99

23 09 23 53-0759 Network, VAV And Special Sensors *(23 09 23 53-0725)*

23 09 23 53-0760	EA	Digital Display Zone Sensor (Trane X13790464010)	240.79	36.16
23 09 23 53-0761	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	155.29	36.16
23 09 23 53-0762	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	140.87	36.16
23 09 23 53-0763	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	298.44	40.68
23 09 23 53-0764	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	175.00	36.16
23 09 23 53-0765	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	175.00	36.16
23 09 23 53-0766	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	637.57	65.09
23 09 23 53-0767	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	594.09	36.16
23 09 23 53-0768	EA	Transformer 120/24 40 VA (Trane X13550284010)	133.66	36.16
23 09 23 53-0769	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	128.51	36.16
23 09 23 53-0770	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	120.27	36.16
23 09 23 53-0771	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,537.19	225.99
23 09 23 53-0772	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,466.77	225.99
23 09 23 53-0773	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,319.82	225.99
23 09 23 53-0774	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,398.92	339.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0775	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,319.82	225.99
23 09 23 53-0776	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,394.36	225.99
23 09 23 53-0777	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,400.16	225.99
23 09 23 53-0778	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	485.95	225.04
23 09 23 53-0779	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	734.02	225.04
23 09 23 53-0780	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,711.03	339.00
23 09 23 53-0781	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,597.72	339.00
23 09 23 53-0782	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	159.41	45.03
23 09 23 53-0783	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	602.45	45.03
23 09 23 53-0784	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,781.07	339.00
23 09 23 53-0785	EA	BACnet Term (2 Pack) (Trane X1365152401)	250.17	81.02
23 09 23 53-0786	EA	Tracer ES Add License (Trane X40250125010)	3,305.67	
23 09 23 53-0787	EA	Kit - Tracer TU For Controls (Trane X4509151201)	5,211.27	451.99
23 09 23 53-0788	EA	Kit - Tracer TU Complete (Trane X4509151301)	6,937.63	451.99
23 09 23 53-0789	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	686.92	81.02
23 09 23 53-0790	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	383.05	81.02
23 09 23 53-0791	EA	Sensor Wireless Display Sensor (Trane X13790822010)	436.61	81.02
23 09 23 53-0792	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	388.20	81.02
23 09 23 53-0793	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	536.38	81.02
23 09 23 53-0794	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	586.84	81.02

23 09 23 53-0795 Tridium Controls *(23 09 23 53)*

23 09 23 53-0796	EA	JACE® 3E Controller (Tridium JACE 300E) Note: Includes 256MB RAM, 128MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, NDIO port, 2 communication card option slots, and SRAM module. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client/Server. The JACE® 3E is designed for battery less operation and DIN rail mounting. Requires AX release 3.7.106 or higher. Excludes power supply and battery.	6,995.19	451.99
23 09 23 53-0797	EA	JACE® 6E Controller (Tridium JACE 600E) Note: Includes 256 MB RAM, 128 MB Flash, 2 10/100 Mb Ethernet ports, 1 RS-485 serial port, 1 RS-232 serial port, NDIO port, 2 communication card option slots, and SRAM module. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client / Server and Niagara Network (Fox) Client / Server. The JACE® 6E is designed for battery less operation and DIN rail mounting. Requires AX release 3.6 or higher. Excludes power supply and battery.	10,270.36	451.99
23 09 23 53-0798	EA	JACE® 7 Controller (Tridium JACE 700E) Note: Includes 1GB RAM, 512 MB Flash memory, 1 RS-232 and 1 RS-485 port, 2 Gigabit Ethernet ports, 2 standard JACE® communication card slots, and internal battery backup. Power module must be selected separately. Standard features include Niagara station and Web User Interface. Standard drivers include oBIX Client/Server and Niagara Network (Fox) Client/Server. The JACE® 7 is designed for DIN rail or surface mounting. Requires AX Release 3.5 or higher.	21,984.68	451.99
23 09 23 53-0799	EA	JACE® 603 Controller (Tridium JACE 603) Note: NPM6E based controller with enclosure, UI.DO, 120 VAC, 2 Ethernet ports, 1 RS-485, isolated port, 1 RS-232, 1 LON®Works FTT 10 port with driver, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs and 1 option card expansion slot. Standard feature includes Niagara station and Web User Interface. Standard driver includes LonWorks, BACnet, BACnet MSTP, oBIX Client/Server, and Niagara Network (Fox) Client/Server. Excludes NiagaraAX drivers. Requires NiagaraAX version 3.6.47 or higher and Niagara R2 version r2.301.535 or higher.	13,087.55	451.99
23 09 23 53-0800	EA	JACE® 645 Controller (Tridium JACE 645) Note: NPM6E based controller with enclosure, serial IO, 120 VAC, 2 Ethernet ports, 2 RS-232 serial ports, 4 RS-485 isolated ports, 1 LON®Works FTT 10 port with driver and 1 option card expansion slot. Standard feature includes Niagara station and Web User Interface. Standard driver includes LonWorks, BACnet, BACnet MSTP, oBIX Client/Server, and Niagara Network (Fox) Client/Server. Excludes NiagaraAX drivers. Requires NiagaraAX version 3.6.47 or higher and Niagara R2 version r2.301.535 or higher.	13,691.22	451.99
23 09 23 53-0801	EA	Replacement Controller/Server Platforms (Tridium RB-603)	10,200.96	451.99
23 09 23 53-0802	EA	Replacement Controller/Server Platforms (Tridium RB-645)	10,651.98	451.99
23 09 23 53-0803	EA	JACE® 3E/6/6E Memory Expansion (Tridium NPM-256) Note: JACE® 3E,6,6E Memory Expansion License. Adds maxHeap feature and enables up to 96MB or JAVA Heap space.	1,730.52	56.50
23 09 23 53-0804	EA	LON Adapter (Tridium NPB-LON)	1,104.81	56.50
23 09 23 53-0805	EA	RS 232 Card (Tridium NPB-232)	1,158.21	56.50
23 09 23 53-0806	EA	RS 485 Communication Card (Tridium NPB-2X-485)	1,243.65	56.50
23 09 23 53-0807	EA	GPRS Modem with Wyless SIM Card (Tridium NPB-GPRS-W)	2,055.29	56.50
23 09 23 53-0808	EA	ZWAVE Card (Tridium NPB-ZWAVE-US)	1,382.48	56.50
23 09 23 53-0809	EA	Power Supply Module (Tridium NPB-PWR)	955.30	56.50
23 09 23 53-0810	EA	Wall Adaptor (Tridium WPM-US)	177.76	
23 09 23 53-0811	EA	Niagara R2 Station (Tridium R2-RB-6XX)	1,414.52	56.50

23 09 23 53-0812 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

23 09 23 53-0813 Current Switches And Current Sensors *(23 09 23 53-0812)*

23 09 23 53-0814	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	143.96	36.16
23 09 23 53-0815	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	150.14	36.16
23 09 23 53-0816	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	240.79	36.16
23 09 23 53-0817	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	135.72	36.16
23 09 23 53-0818	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	450.92	36.16
23 09 23 53-0819	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	281.72	36.16
23 09 23 53-0820	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	211.10	36.16
23 09 23 53-0821	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	211.10	36.16
23 09 23 53-0822	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	6,017.17	180.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0823	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,533.91	36.16
23 09 23 53-0824	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,340.03	36.16
23 09 23 53-0825	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	227.69	36.16
23 09 23 53-0826	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	321.10	96.05
23 09 23 53-0827	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	321.59	96.05
23 09 23 53-0828	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	346.32	96.05
23 09 23 53-0829	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	352.50	96.05
23 09 23 53-0830	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	387.52	96.05
23 09 23 53-0831	EA	Toggle Switch	128.67	45.20
23 09 23 53-0832	EA	Maintained Pushbutton Switch	138.76	45.20
23 09 23 53-0833	EA	Manual Time Switch	233.90	45.20
23 09 23 53-0834	EA	Emergency Stop Switch	404.04	45.20
23 09 23 53-0835	EA	Float Switch	369.28	45.20
23 09 23 53-0836	EA	Break Glass Switch	1,279.40	45.20
23 09 23 53-0837	EA	Boiler E-Stop Switch	743.03	45.20
23 09 23 53-0838		**Relays** *(23 09 23 53-0812)*		
23 09 23 53-0839	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	116.15	36.16
23 09 23 53-0840	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	128.82	36.16
23 09 23 53-0841	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	184.82	45.20
23 09 23 53-0842	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	242.48	36.16
23 09 23 53-0843	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	106.96	36.16
23 09 23 53-0844	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	105.11	36.16
23 09 23 53-0845	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	116.15	36.16
23 09 23 53-0846	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	121.94	36.16
23 09 23 53-0847	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	123.53	36.16
23 09 23 53-0848	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	131.44	45.20
23 09 23 53-0849	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	183.15	45.20
23 09 23 53-0850	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	342.62	45.20
23 09 23 53-0851	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	340.33	45.20
23 09 23 53-0852		**Transformers** *(23 09 23 53-0812)*		
23 09 23 53-0853	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	142.60	36.16
23 09 23 53-0854	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	156.98	36.16
23 09 23 53-0855	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	156.98	36.16
23 09 23 53-0856	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	170.00	36.16
23 09 23 53-0857	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	178.02	36.16
23 09 23 53-0858		**Power Supplies** *(23 09 23 53-0812)*		
23 09 23 53-0859	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	223.50	36.16
23 09 23 53-0860	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	263.41	36.16
23 09 23 53-0861	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	245.42	36.16
23 09 23 53-0862	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	253.93	36.16
23 09 23 53-0863	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	246.35	36.16
23 09 23 53-0864	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	259.04	36.16
23 09 23 53-0865	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	189.20	36.16

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.73	1.08
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.47	1.11
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.51	1.14
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.70	1.17

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.45	1.08
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.63	1.11
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.00	1.14
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.72	1.17

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.89	1.04
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.81	1.08
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.73	1.14
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.34	1.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0017		Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.82	1.08
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.54	1.14
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.46	1.17
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.65	1.20
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.51	1.24
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	10.28	1.27
23 09 43 00-0024		Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.82	1.20
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.43	1.24
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.53	1.27
23 09 43 00-0028		Copper Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	5.90	2.32
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	7.19	2.67
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	8.34	3.07
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	10.28	3.53
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	11.69	4.06
23 09 43 00-0034		Brass Couplings *(23 09 43 00-0001)*		
23 09 43 00-0035		Straight Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	12.55	5.85
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	12.69	5.85
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	12.83	5.85
23 09 43 00-0039		Elbow Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	13.33	5.85
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	13.80	5.85
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	20.36	9.10
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	23.36	9.75
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	22.86	9.75

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.68	2.28
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.34	2.47
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.76	2.67
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.98	2.83
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.89	2.97
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.41	3.09
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.16	3.29
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.99	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.99	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.28	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.28	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.98	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.82	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.82	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.53	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	169.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	273.34	
23 11 23 00-0022		**Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.03	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.28	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.28	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.98	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.98	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.45	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.45	
23 11 23 00-0030		**Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.56	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.32	
23 11 23 00-0033		**Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	47.01	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.69	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.44	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.61	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	299.93	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	496.70	
23 11 23 00-0041		**Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.81	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.35	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	146.57	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	250.48	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	269.22	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	308.81	
23 11 23 00-0048		**Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.26	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.61	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.05	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.38	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.19	
23 11 23 00-0054		**Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.01	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.20	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.66	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.52	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	59.52	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.46	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.17	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.45	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	112.86	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	117.11	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	167.13	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	206.89	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.09	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	72.73	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	79.93	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	141.45	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.94	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	199.27	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	250.43	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.73	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.93	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	65.88	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.41	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	193.17	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	306.33	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.18	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.32	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.22	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.33	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	36.87	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.61	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.22	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.91	23.93
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	111.46	25.12
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.52	20.94
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	83.30	24.88
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	102.10	29.92
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.10	39.96
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)* Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	87.72	24.88
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.79	29.92
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	93.70	24.88
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	103.66	29.92
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	200.28	74.78
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.56	24.88
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.56	24.88
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	128.34	24.88

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23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.30	29.92
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.30	29.92
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	158.24	39.96
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	234.51	44.86
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	122.01	24.88
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	300.33	29.92
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	726.29	44.86

23 11 23 00-0116 Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*

23 11 23 00-0117 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	48.57	17.95
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	52.82	19.14
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	56.90	19.14
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	59.57	20.34
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	62.88	20.34
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	70.04	21.54
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	76.56	21.54
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	83.01	22.73

23 11 23 00-0126 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	48.57	17.95
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	52.82	19.14
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	56.90	19.14
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	59.57	20.34
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	62.88	20.34
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	70.04	21.54
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	76.56	21.54
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	83.01	22.73

23 11 23 00-0135 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	48.57	17.95
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	52.82	19.14
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	56.90	19.14
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	59.57	20.34
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	62.88	20.34
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	70.04	21.54
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	76.56	21.54
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	83.01	22.73

23 11 23 00-0144 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	48.57	17.95
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	52.82	19.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	66.54	19.14
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	59.57	20.34
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	62.88	20.34
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	70.04	21.54
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	76.56	21.54
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	83.01	22.73
23 11 23 00-0153		**3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	52.29	17.95
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	57.43	19.14
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	56.90	19.14
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	65.45	20.34
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	62.88	20.34
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	70.04	21.54
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	76.56	21.54
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	83.01	22.73
23 11 23 00-0162		**3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	48.57	17.95
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	62.36	19.14
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	59.57	20.34
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	62.88	20.34
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	70.04	21.54
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	86.38	21.54
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	83.01	22.73
23 11 23 00-0170		**3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	48.57	17.95
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	52.82	19.14
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	56.90	19.14
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	59.57	20.34
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	62.88	20.34
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	70.04	21.54
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	76.56	21.54
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	83.01	22.73
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	48.57	17.95
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	52.82	19.14
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	56.90	19.14
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	59.57	20.34

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23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	62.88	20.34
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	70.04	21.54
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	76.56	21.54
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	83.01	22.73
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	57.43	19.14
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	56.90	19.14
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	65.45	20.34
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	69.39	20.34
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	78.30	21.54
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	48.57	17.95
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	52.82	19.14
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	53.05	19.14
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	59.57	20.34
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	58.27	20.34
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	71.44	21.54
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	76.56	21.54
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	83.01	22.73
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	48.57	17.95
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	49.68	19.14
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	50.92	19.14
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	59.57	20.34
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	62.88	20.34
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	64.02	21.54
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	76.56	21.54
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	83.01	22.73
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	48.57	17.95
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	52.82	19.14
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	56.90	19.14
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	59.57	20.34
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	55.07	20.34
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	70.04	21.54
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	76.56	21.54
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	83.01	22.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	61.80	17.95
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	66.02	19.14
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	70.10	19.14
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	72.75	20.34
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	76.19	20.34
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	82.93	21.54
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	89.99	21.54
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	96.46	22.73
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	73.77	23.93
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	77.98	25.12
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	82.06	25.12
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	84.71	26.32
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	88.15	26.32
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	94.90	27.52
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	101.96	27.52
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	108.43	28.72
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	73.77	23.93
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	77.98	25.12
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	82.06	25.12
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	84.71	26.32
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	88.15	26.32
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	94.90	27.52
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	101.96	27.52
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	108.43	28.72
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	84.52	23.93
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	88.73	25.12
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	92.81	25.12
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	95.46	26.32
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	98.92	26.32
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	105.66	27.52
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	112.72	27.52

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	84.52	23.93
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	88.73	25.12
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	92.81	25.12
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	98.92	26.32
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	105.66	27.52
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	112.72	27.52
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	84.52	23.93
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	88.73	25.12
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	92.81	25.12
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	95.46	26.32
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	98.92	26.32
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	105.66	27.52
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	112.72	27.52
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	119.18	28.72
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	70.93	23.93
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	75.16	25.12
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	79.26	25.12
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	81.88	26.32
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	85.33	26.32
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	92.06	27.52
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	105.57	28.72
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	82.81	25.12
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	87.75	25.12
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	45.76	12.74
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	46.49	12.99
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	66.01	14.30
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	45.44	12.74
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	48.04	12.99
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	52.59	12.99
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	57.89	13.64
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	60.21	13.64
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	60.21	13.64
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	47.17	12.74
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	49.77	12.99
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	61.43	13.64
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	49.99	12.99
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	67.31	14.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	47.08	12.74
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	45.21	12.74
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	46.48	12.99
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	63.51	14.30
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	84.63	16.24
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	118.67	16.89
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	140.26	19.49
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	171.97	23.39
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	47.48	12.99
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	63.20	14.30

23 11 23 00-0308 Gas Stops *(23 11 23)*

23 11 23 00-0309 Brass/Bronze Gas Stops *(23 11 23 00-0308)*

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.56	12.99
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.58	12.99
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	78.17	14.30
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	110.15	16.24
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	146.63	17.29
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	184.94	20.01
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	256.93	23.65

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	80.62	12.99
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	98.87	14.30
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	122.63	16.24
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	158.75	17.29
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	200.17	20.01
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	260.39	23.65
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	506.66	31.95
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	680.64	37.09

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	207.92	12.99
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	242.46	12.99
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	308.68	14.30
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	463.38	16.24
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	829.18	20.01
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,412.37	23.65
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,749.47	31.95
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,637.32	37.09

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	24.40	8.62
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.65*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	29.25	10.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.58*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	38.60	15.20
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.05*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	45.40	17.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-19.21*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	53.01	19.51
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.98*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	71.94	22.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.51*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	95.90	27.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.41*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	214.43	34.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-38.27*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	186.06	85.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.49*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	219.45	103.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.79*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	263.04	119.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	319.25	134.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-148.17*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	385.61	150.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.46*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	555.62	188.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.82*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	715.70	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,587.33	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	186.50	85.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.49*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	219.58	103.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.79*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	263.43	119.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.60*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	331.12	142.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.04*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	385.46	150.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.46*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	555.62	188.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.82*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,203.08	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,587.33	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	372.37	128.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-144.74*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	460.68	155.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-174.32*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	524.27	179.59
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.92*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	665.47	213.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-235.65*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	787.54	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	990.80	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,589.24	340.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-382.64*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,125.70	413.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-465.17*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	493.79	128.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-144.74*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	634.17	154.82
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-174.09*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	745.01	179.59
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.91*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	853.43	213.33
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-235.65*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	942.74	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,236.25	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,898.82	340.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-382.64*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,463.17	413.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-465.17*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	280.66	85.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.49*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	363.95	103.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.79*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	398.93	119.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.60*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	463.00	142.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.04*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	513.66	150.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.46*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	683.47	188.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	873.99	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,195.18	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	226.39	85.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.49*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	260.31	103.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.79*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	295.40	119.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.60*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	361.58	142.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.04*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	414.42	150.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.46*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	410.04	188.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.82*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	523.51	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	820.51	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	42.42	10.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-11.58*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	84.77	20.57
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.10*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	141.62	15.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.77*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	163.59	21.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-23.75*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	152.52	15.02
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.95*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	183.79	22.60
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-25.41*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	228.19	25.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-27.96*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	272.57	27.11
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.53*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	144.58	31.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.58*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	197.25	45.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-50.80*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	242.20	32.20
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.17*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	363.54	48.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-54.17*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	282.69	33.22
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-37.31*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	370.13	49.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-55.96*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	153.43	85.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.49*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	184.56	103.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.79*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	213.45	119.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-134.60*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	256.36	142.26
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.04*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	285.90	150.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.46*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	370.36	188.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-211.82*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	474.04	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	579.66	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	

23 11 26 00-0090 Fiberglass Reinforced Plastic Flanges *(23 11 26 00-0011)*

23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	156.53	85.79
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-96.49*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	188.66	103.01
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-115.79*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	215.52	112.86
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-126.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	259.87	134.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-148.28*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	303.89	150.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.46*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	376.28	180.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-202.76*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	502.02	226.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-255.09*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	691.59	281.29
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-316.32*	

23 11 26 00-0099 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings *(23 11 26)*

23 11 26 00-0100 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing *(23 11 26 00-0099)*

23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	133.02	36.97
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	158.53	43.79
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	203.66	64.61
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	285.09	83.76
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	400.87	97.15
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	545.12	115.23
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	696.34	145.39

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,332.68	457.52
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,689.70	549.17
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,357.20	638.19
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,784.60	803.56
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,342.32	1,004.64
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,584.92	1,208.67
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,794.52	1,496.74

23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,336.26	457.52
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,683.41	549.17
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,352.27	638.19
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,755.58	803.56
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,300.29	1,004.64
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,527.98	1,209.24
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,721.61	1,500.13

23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,256.33	686.29
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,074.30	827.11
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,602.73	957.77
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,369.20	1,209.80
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,314.74	1,500.13
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	16,115.63	1,812.60
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	21,987.97	2,197.72

23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,764.02	686.29
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,230.67	826.15
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,343.85	957.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,296.30	1,209.80
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,362.37	1,500.13
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,959.66	1,812.60
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	26,178.19	2,197.72
23 11 26 00-0141		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,573.27	457.52
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,425.46	549.17
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,681.85	638.19
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,777.26	803.56
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,485.96	1,004.64
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,440.91	1,208.67
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,847.24	1,496.74
23 11 26 00-0149		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,899.47	457.52
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,138.66	549.17
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,396.29	638.19
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,545.06	803.56
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,090.89	1,004.64
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	4,089.11	1,208.67
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,195.15	1,496.74
23 11 26 00-0157		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	417.38	54.92
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	834.33	109.59
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,590.60	84.23
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,806.84	112.63
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,733.67	80.32
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,042.04	120.54
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,095.98	144.83
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,459.21	168.78
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,969.45	240.96
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,665.74	171.49
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,002.26	256.89
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,157.70	176.92
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,067.22	265.36
23 11 26 00-0171		Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,477.88	601.68
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,172.63	803.56
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,757.34	961.83
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,822.33	1,208.67
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,594.42	1,496.74

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,562.37	347.14
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,647.21	420.16
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,809.20	499.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0006		25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,704.33	347.14
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,798.06	420.16
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,891.58	499.17
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,183.07	194.52
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,387.35	217.86
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,518.86	244.19
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,659.95	275.32
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,308.06	306.44
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,812.33	342.95
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,118.03	384.25
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,788.89	429.74
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,458.03	481.81
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,991.70	540.47
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,596.49	605.82
23 12 16		**Facility Gasoline Dispensing Pumps** *(23 12)*		
23 12 16 00-0001		Unloading Hose And Accessories *(23 12 16)*		
23 12 16 00-0002		Hoses With Braided Rayon Cord, Neoprene Cover, And End Couplings *(23 12 16 00-0001)*		
23 12 16 00-0003		Two Braid Hose x 25' *(23 12 16 00-0002)*		
23 12 16 00-0004	EA	3/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	325.55	48.49
23 12 16 00-0005	EA	1" x 1-1/2", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	378.62	48.49
23 12 16 00-0006	EA	1-1/4" x 1-3/4", 2-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	526.60	48.49
23 12 16 00-0007		Two Braid Hose x 50' *(23 12 16 00-0002)*		
23 12 16 00-0008	EA	3/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	648.71	98.18
23 12 16 00-0009	EA	1" x 1-1/2", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	752.51	98.18
23 12 16 00-0010	EA	1-1/4" x 1-3/4", 2-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,051.70	98.18
23 12 16 00-0011		Three Braid Hose x 25' *(23 12 16 00-0002)*		
23 12 16 00-0012	EA	1-1/2" x 2-3/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	802.38	48.49
23 12 16 00-0013	EA	2" x 2-21/32", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	996.10	65.46
23 12 16 00-0014	EA	2-1/2" x 3-3/16", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,399.46	81.22
23 12 16 00-0015	EA	3" x 3-3/4", 3-Braid Hose, 25' Long Rayon Cord, Neoprene Cover And End Couplings	1,757.22	98.18
23 12 16 00-0016		Three Braid Hose x 50' *(23 12 16 00-0002)*		
23 12 16 00-0017	EA	1-1/2" x 2-3/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,434.35	98.18
23 12 16 00-0018	EA	2" x 2-21/32", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	1,757.89	129.71
23 12 16 00-0019	EA	2-1/2" x 3-3/16", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,365.21	163.64
23 12 16 00-0020	EA	3" x 3-3/4", 3-Braid Hose, 50' Long Rayon Cord, Neoprene Cover And End Couplings	2,886.64	195.15
23 12 16 00-0021		Tank Car Unloading Hose Assemblies *(23 12 16 00-0001)*		
23 12 16 00-0022		Flexible Galvanized Hose Assemblies *(23 12 16 00-0021)* Note: Each end includes a female coupling.		
23 12 16 00-0023	EA	2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	773.35	113.94
23 12 16 00-0024	EA	2-1/2" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	938.51	113.94
23 12 16 00-0025	EA	3" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,107.69	113.94
23 12 16 00-0026	EA	4" Inside Diameter x 10' Flexible Galvanized Hose Assembly With Female Coupling Each End	1,768.29	113.94
23 12 16 00-0027		Standard Gas Station Pumps *(23 12 16)*		
23 12 16 00-0028		Gasoline Pumps *(23 12 16 00-0027)* Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self- timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0029	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle	5,801.79	969.73
23 12 16 00-0030		Gasoline Pumps With Vapor Recovery System *(23 12 16 00-0027)* Note: With polished stainless steel dial frame, stainless steel nozzle side panel. Four wheel, self- timing meter, cable retractor, 120 mesh cartridge strainer (60 mesh for diesel fuels). Internal gear pump, reverse flow air separator, 1/2" connector. High speed pump, 3/4 H.P. motor, 1" hose and standard nozzle.		
23 12 16 00-0031	EA	Standard Gas Station Pump, 3/4 HP Motor 1" Hose And Standard Nozzle With Vapor Recovery	11,506.67	1,454.59
23 12 23		**Facility Natural-Gas Pumps** *(23 12)*		
23 12 23 00-0001		Natural Gas Booster Pump *(23 12 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,296.88	179.56
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,538.64	200.50
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,725.66	209.48
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,958.80	218.46
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,216.77	224.44

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,759.90	815.13
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	19,191.28	815.13
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,740.70	1,018.86
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,959.66	1,990.07
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	60,474.16	2,558.52
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	67,365.44	2,938.54
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	72,682.62	3,885.36
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	75,151.74	4,171.61
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	91,729.33	4,928.23
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	106,236.64	5,684.35
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	135,954.47	6,251.02
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	161,161.54	7,589.74
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	166,457.46	8,054.69
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	204,089.59	12,776.40
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	250,771.45	16,567.87
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	295,496.27	18,956.65
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	380,263.23	20,378.41
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	515,514.88	20,900.98

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,814.26	815.13
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,048.00	1,018.86
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,863.41	1,260.62
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,918.67	1,535.49
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,970.12	1,800.89
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,109.53	2,369.58
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,349.93	3,601.76
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	16,178.34	4,549.60
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	19,445.99	5,118.30
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,853.41	6,066.13
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	28,226.04	7,203.53
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	34,677.76	9,004.42
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	43,714.19	12,037.48
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	65,630.60	14,975.76
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	80,500.71	18,008.82
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	114,848.04	26,065.41
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	163,953.66	33,174.15

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,362.23	815.13
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	12,345.35	1,018.86
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,800.74	1,232.19
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	19,223.06	1,801.01
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,555.24	2,369.58
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	24,733.78	3,601.76
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	27,487.49	4,549.60
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	33,839.44	5,118.30
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	36,246.87	6,066.13
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	43,904.62	7,203.53
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	60,444.62	9,004.42
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	74,814.34	12,037.48
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	115,713.27	18,008.82

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0035	EA	Secondary Containment Collar	3,294.87	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,294.87	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	658.97	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,317.95	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,647.43	
23 13 13 23-0040		Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks *(23 13 13 23)*		
		Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).		
23 13 13 23-0041	DAY	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day	1,300.00	
		Note: Includes inspection report and repair estimate.		
23 13 13 23-0042	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair	113.76	
		Note: 50 SF minimum.		
23 13 13 23-0043	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway	10,038.57	
23 13 13 23-0044	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway	14,927.18	
23 13 13 23-0045	SF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement	138.36	
		Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.		
23 13 13 23-0046	LF	Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair	295.16	
		Note: Circumference of a tank knuckle (FT) = tank diameter (FT) x 3.14.		
23 13 13 23-0047	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non-Gusseted Flange Installation	4,433.57	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*142.00*	
23 13 13 23-0048	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non-Gusseted Flange Installation	4,467.39	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*153.00*	
23 13 13 23-0049	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non-Gusseted Flange Installation	4,538.11	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*176.00*	
23 13 13 23-0050	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non-Gusseted Flange Installation	4,722.59	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*236.00*	
23 13 13 23-0051	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non-Gusseted Flange Installation	4,790.23	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*318.00*	
23 13 13 23-0052	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non-Gusseted Flange Installation	5,146.88	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*374.00*	
23 13 13 23-0053	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation	4,756.41	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*247.00*	
		For Blade Gusseted Outlet, Add	*713.46*	
23 13 13 23-0054	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation	4,805.60	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*263.00*	
		For Blade Gusseted Outlet, Add	*720.84*	
23 13 13 23-0055	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation	4,953.18	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*135.00*	
		For Blade Gusseted Outlet, Add	*742.98*	
23 13 13 23-0056	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation	5,260.64	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*175.00*	
		For Blade Gusseted Outlet, Add	*789.10*	
23 13 13 23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation	5,451.27	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*215.00*	
		For Blade Gusseted Outlet, Add	*817.69*	
23 13 13 23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation	5,946.28	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Additional Flange Installation During The Same Day, Add	*260.00*	
		For Blade Gusseted Outlet, Add	*891.94*	
23 13 13 23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation	8,870.22	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For Blade Gusseted Outlet, Add	*1,330.53*	
23 13 13 23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation	4,289.07	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
		Note: (Total Of Four Couplings), Add		
23 13 13 23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation	4,289.07	
		Note: Includes Labor, Material And Removal Of Old Flange		
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add	*200.00*	
		Note: (Total Of Three Couplings), Add		
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add	*300.00*	
		Note: (Total Of Four Couplings), Add		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,289.07	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*100.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*200.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*300.00*	
23 13 13 23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,442.80	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	
23 13 13 23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,442.80	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	
23 13 13 23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation Note: Includes Labor, Material And Removal Of Old Flange	4,442.80	
		For One Additional Coupling Installation During The Same Day (Total Of Two Couplings)	*145.00*	
		For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add *Note: (Total Of Three Couplings), Add*	*270.00*	
		For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add *Note: (Total Of Four Couplings), Add*	*435.00*	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,213.18	155.99
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,302.01	163.79
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,412.87	175.48
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,620.24	187.18
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,803.89	194.98
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,127.44	233.98
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,854.32	272.97
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,605.35	311.97
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,614.90	350.96
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,143.56	389.97
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,890.63	467.96
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,603.23	545.95
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,336.50	623.95
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,135.79	662.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,940.24	701.93
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,853.29	740.93
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,652.57	779.92
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,877.81	935.91
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,812.75	1,013.90
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,074.19	1,169.89
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,340.78	1,325.88
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,464.83	155.99
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,555.39	163.79
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,666.25	175.48
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,871.90	187.18
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,055.54	194.98
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,380.82	233.98
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,131.84	272.97
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,882.86	311.97
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,892.42	350.96
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,421.08	389.97
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,168.14	467.96
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,880.74	545.95
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,614.02	623.95
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,413.30	662.94
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,217.75	701.93
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,132.53	740.93
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,931.80	779.92
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,155.32	935.91
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,090.26	1,013.90
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,351.70	1,169.89
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,618.30	1,325.88
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,418.03	155.99
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,498.24	163.79
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,571.18	175.48
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,845.78	187.18
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,950.13	194.98
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,263.34	233.98
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,926.45	272.97
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,949.82	311.97
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,566.38	350.96
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,263.69	389.97
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,214.15	467.96
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,792.30	545.95
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,573.84	623.95
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,336.93	662.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,341.33	701.93
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,763.13	740.93
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,141.83	779.92
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,896.24	935.91
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,584.42	1,013.90
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,442.26	1,169.89
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,329.38	1,325.88
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,555.66	155.99
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,635.87	163.79
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,708.81	175.48
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,983.41	187.18
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,087.76	194.98
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,400.97	233.98
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,064.08	272.97
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,087.45	311.97
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,779.85	350.96
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,004.87	389.97
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,955.33	467.96
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,535.20	545.95
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,315.02	623.95
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,079.84	662.94
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,082.51	701.93
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,504.31	740.93
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,883.01	779.92
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,637.42	935.91
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,327.33	1,013.90
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,183.44	1,169.89
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,070.56	1,325.88
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,191.69	155.99
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,280.53	163.79
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,355.19	175.48
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,638.41	187.18
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,791.02	194.98
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,076.66	233.98
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,765.62	272.97
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,837.25	311.97
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,476.21	350.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,239.03	389.97
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,237.75	467.96
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,762.46	545.95
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,647.43	623.95
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,569.10	662.94
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,495.93	701.93
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,967.71	740.93
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,320.56	779.92
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,152.53	935.91
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,921.73	1,013.90
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,860.58	1,169.89
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,825.27	1,325.88
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,329.32	155.99
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,418.15	163.79
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,492.82	175.48
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,776.04	187.18
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,928.65	194.98
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,210.84	233.98
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,903.25	272.97
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,974.88	311.97
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,613.84	350.96
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,980.21	389.97
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,978.93	467.96
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,676.02	545.95
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,388.61	623.95
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,310.28	662.94
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,237.11	701.93
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,708.90	740.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,063.46	779.92
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,893.72	935.91
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,662.92	1,013.90
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,601.76	1,169.89
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,566.45	1,325.88
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,201.94	155.99
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,301.39	163.79
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,411.91	175.48
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,611.14	187.18
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,131.52	194.98
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,196.52	233.98
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,757.52	272.97
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,407.26	311.97
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,464.25	350.96
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,598.62	389.97
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,720.62	467.96
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,230.58	545.95
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,742.81	623.95
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,497.21	662.94
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,253.88	701.93
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,912.74	740.93
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,578.38	779.92
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,980.54	935.91
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,293.65	1,013.90
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,773.17	1,169.89
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,202.62	1,325.88
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,267.26	163.79
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,378.03	175.48
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,493.59	187.18
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,696.32	194.98
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,296.89	233.98
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,361.88	272.97
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,950.44	311.97
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,632.65	350.96
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,744.76	389.97
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,938.54	428.96
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	7,115.66	506.95
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,646.72	584.94
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,180.19	662.94
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,972.89	701.93
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,767.99	740.93
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,459.83	779.92
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,223.84	857.92
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,689.45	1,013.90
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	14,198.29	1,169.89
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,745.55	1,325.88
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	17,239.98	1,481.86
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,381.68	155.99
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,503.88	163.79
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,628.06	175.48
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,872.80	187.18
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,491.02	194.98
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,556.02	233.98
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,198.92	272.97
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,955.60	311.97
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,198.54	350.96
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,590.63	389.97
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,915.13	467.96
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,495.62	545.95
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,080.66	623.95
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,978.40	662.94
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,878.41	701.93
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,644.19	740.93
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,428.16	779.92
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,069.23	935.91
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,623.52	1,013.90
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,341.94	1,169.89
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,010.29	1,325.88
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,456.99	163.79
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,591.78	175.48
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,721.74	187.18
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,972.51	194.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,676.35	233.98
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,741.34	272.97
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,416.36	311.97
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,211.45	350.96
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,519.84	389.97
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,985.67	428.96
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,376.53	506.95
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,982.05	584.94
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,592.37	662.94
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,536.37	701.93
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,482.78	740.93
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,287.48	779.92
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,176.39	857.92
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,894.17	1,013.90
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,657.59	1,169.89
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,457.03	1,325.88
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	20,203.63	1,481.86

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,441.94	847.78
		For 1/4" Thick Shell, Add	*816.29*	
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,542.23	1,026.25
		For 1/4" Thick Shell, Add	*981.33*	
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,789.41	1,385.79
		For 1/4" Thick Shell, Add	*1,318.41*	
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,364.03	1,732.23
		For 1/4" Thick Shell, Add	*1,704.60*	
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,640.72	2,329.01
		For 1/4" Thick Shell, Add	*2,046.11*	
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	20,599.44	2,397.51
		For 1/4" Thick Shell, Add	*3,089.92*	
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	29,962.60	2,964.18
		For 1/4" Thick Shell, Add	*4,494.39*	
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	41,164.60	3,396.40
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	49,072.23	3,705.14
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	56,970.17	4,075.68
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	63,065.87	4,528.49
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	78,770.44	5,822.35
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	107,635.28	6,792.80

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,630.64	1,057.84
		For 1/4" Thick Shell, Add	*2,071.35*	
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,370.97	1,280.12
		For 1/4" Thick Shell, Add	*2,489.03*	
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,760.46	1,732.23
		For 1/4" Thick Shell, Add	*3,302.51*	
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	18,049.41	2,165.29
		For 1/4" Thick Shell, Add	*4,331.86*	
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	23,202.83	2,911.23
		For 1/4" Thick Shell, Add	*5,568.68*	
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	28,079.25	2,911.23
		For 1/4" Thick Shell, Add	*6,739.02*	
		For Fireguard® Tanks, Add	*4,082.91*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	33,075.16	2,996.80
		For 1/4" Thick Shell, Add	*7,938.04*	
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	40,737.69	3,344.33
		For 1/4" Thick Shell, Add	*9,777.05*	
		For Fireguard® Tanks, Add	*6,132.10*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	48,400.12	3,691.75
		For 1/4" Thick Shell, Add	*11,616.03*	
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	54,028.03	3,836.83
		For 1/4" Thick Shell, Add	*12,966.73*	
		For Fireguard® Tanks, Add	*8,274.48*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	66,921.44	4,245.53
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	79,980.51	4,631.49

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	92,986.77	5,094.54
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	102,926.26	5,660.71
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	128,458.36	7,277.97
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	152,339.20	7,884.45
		For Fireguard® Tanks, Add	*24,027.39*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	176,220.06	8,490.94

23 13 23 16-0033 Accessories For Single Compartment Aboveground Storage Tanks *(23 13 23 16)*

Note: Steel vessel with precast concrete shell.

23 13 23 16-0034	EA	2" x 15" Carbon Steel Riser	131.18	
23 13 23 16-0035	EA	2" x 1 1/2" High Impact Valve	367.32	
23 13 23 16-0036	EA	4" 8oz Emergency Vent	236.13	
23 13 23 16-0037	EA	Strike Plate, Per Opening	236.13	
23 13 23 16-0038	EA	1 Point High/Low Monitor Package With Sensor	2,886.07	
23 13 23 16-0039	EA	4 Point High/Low Monitor Package With Sensor	7,083.99	
23 13 23 16-0040	EA	Gasoline Dispensing Package, 4,000 - 12,000 Gallon Tank	6,821.62	
23 13 23 16-0041	EA	Diesel Dispensing Package, 250 - 300 Gallon Tank	4,853.84	
23 13 23 16-0042	EA	Diesel Dispensing Package, 4,000 - 12,000 Gallon Tank	3,410.81	
23 13 23 16-0043	EA	Interstitial Mechanical Leak Detection Gauge, 4,000 Gallons And Over Tanks	341.08	
23 13 23 16-0044	EA	Remote Dispenser, SS Twin Product	15,309.29	

23 13 23 16-0045 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks *(23 13 23 16)*

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0046	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,780.48	1,280.12
23 13 23 16-0047	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,696.23	1,429.08
23 13 23 16-0048	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	19,884.79	1,732.23
23 13 23 16-0049	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	23,791.58	2,165.29
23 13 23 16-0050	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	30,457.11	2,911.23

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	6,074.76	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	7,339.90	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	16,042.60	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	17,558.66	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	24,957.36	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	27,961.16	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	36,914.75	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	43,318.23	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	49,219.72	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	59,930.88	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	76,727.46	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	33,693.39	1,762.84
		For Low Profile Tanks, Add	*12,493.45*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	42,454.44	1,990.07
		For Low Profile Tanks, Add	*15,871.04*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	75,421.25	2,369.58
		For Low Profile Tanks, Add	*28,845.94*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	119,374.73	5,211.94
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	136,405.40	5,692.31
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	153,536.74	6,147.26
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	170,642.25	6,670.59
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	187,739.52	7,100.54

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	808.89	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	5,348.84	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,521.44	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	160.73	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	443.94	
23 13 33 00-0008	EA	Manhole Spill Containment	1,327.93	303.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0009	EA	Fill Adapter, 4"	367.93	202.07
23 13 33 00-0010	EA	Fill Cap, 4"	248.91	75.76
23 13 33 00-0011	EA	2" Vent Cap	150.46	50.55
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	491.97	75.76
23 13 33 00-0013	EA	Float Vent Valve	449.96	151.52
23 13 33 00-0014	EA	Vapor Hose Adapter	476.32	100.97
23 13 33 00-0015	EA	Dust Cap	207.59	55.15
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	501.49	86.55
23 13 33 00-0017	EA	10' Wood Gage Stick	38.68	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	172.39	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	232.45	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	91.45	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	122.96	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	192.28	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,031.40	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	2,017.59	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,388.34	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,602.21	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,851.70	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	4,091.76	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	5,057.33	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,598.43	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,886.07	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	8,155.16	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	9,128.65	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,545.84	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	50.15	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	56.01	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	61.55	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	73.96	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	76.55	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	99.58	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	155.60	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	269.09	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	57.87	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	63.70	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	69.56	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	86.39	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	92.24	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	113.81	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	174.56	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	296.02	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	59.63	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	68.76	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	77.56	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	99.94	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	129.78	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	200.33	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	312.03	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	69.42	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	81.79	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	100.36	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	121.93	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	124.52	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	176.87	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	314.03	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	557.83	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	61.63	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	78.95	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	81.56	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	84.15	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	116.16	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	146.21	
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	254.68	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	291.12	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	357.53	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	412.04	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	474.63	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	597.38	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	775.62	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	856.82	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	261.60	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	262.21	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	381.77	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	389.93	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	524.92	
23 13 33 00-0094		Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining In Steel Box *(23 13 33)* Note: Sodium Hypochlorite storage box.		
23 13 33 00-0095	DAY	Steel Box Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day Note: Includes Inspection Report And Repair Estimate	1,300.00	
23 13 33 00-0096	SF	Steel Box Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior FRP Lining Repairs, Inner Surface And Interior Layer Repair Note: 50 SF minimum.	113.76	
23 13 33 00-0097	SF	Steel Box Fiberglass Reinforced Polyester (FRP) Lining Replacement Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	138.36	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

See CSI section 22 11 16 00-0000 for additional galvanized or copper piping, 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001		Threaded Black Steel Pipe *(23 21 13 23)*		
23 21 13 23-0002		Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)* Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.		
23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.15	4.78
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.34*	
		For Work In Restricted Working Space, Add	*4.94*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.12	5.14
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.93*	
		For Work In Restricted Working Space, Add	*5.17*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	26.61	5.63
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.67*	
		For Work In Restricted Working Space, Add	*5.45*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.56	5.86
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.23*	
		For Work In Restricted Working Space, Add	*5.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	33.45	6.94
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.86*	
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	39.66	8.37
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.69*	
		For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	56.13	9.93
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*15.76*	
		For Work In Restricted Working Space, Add	*8.34*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	71.16	13.28
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*20.17*	
		For Work In Restricted Working Space, Add	*10.21*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	95.63	15.02
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*28.64*	
		For Work In Restricted Working Space, Add	*10.85*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	142.06	19.20
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*44.24*	
		For Work In Restricted Working Space, Add	*12.93*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	171.29	22.71
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*53.85*	
		For Work In Restricted Working Space, Add	*14.65*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.12	4.61
		For Schedule 80 Pipe, Add	*1.67*	
		For Work In Restricted Working Space, Add	*2.09*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.87	4.78
		For Schedule 80 Pipe, Add	*2.35*	
		For Work In Restricted Working Space, Add	*2.18*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.41	5.14
		For Schedule 80 Pipe, Add	*2.88*	
		For Work In Restricted Working Space, Add	*2.32*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.62	5.63
		For Schedule 80 Pipe, Add	*3.65*	
		For Work In Restricted Working Space, Add	*2.51*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.23	5.86
		For Schedule 80 Pipe, Add	*4.65*	
		For Work In Restricted Working Space, Add	*2.66*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	20.43	6.94
		For Schedule 80 Pipe, Add	*5.55*	
		For Work In Restricted Working Space, Add	*3.12*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	25.71	8.37
		For Schedule 80 Pipe, Add	*7.16*	
		For Work In Restricted Working Space, Add	*3.78*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	35.69	9.93
		For Schedule 80 Pipe, Add	*10.82*	
		For Work In Restricted Working Space, Add	*4.49*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	47.09	13.28
		For Schedule 80 Pipe, Add	*14.21*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	63.18	15.02
		For Schedule 80 Pipe, Add	*20.52*	
		For Work In Restricted Working Space, Add	*6.78*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	82.67	19.20
		For Schedule 80 Pipe, Add	*27.14*	
		For Work In Restricted Working Space, Add	*8.63*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	105.12	22.71
		For Schedule 80 Pipe, Add	*35.40*	
		For Work In Restricted Working Space, Add	*10.20*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	146.56	27.45
		For Schedule 80 Pipe, Add	*51.57*	
		For Work In Restricted Working Space, Add	*12.32*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	199.50	33.44
		For Schedule 80 Pipe, Add	*72.20*	
		For Work In Restricted Working Space, Add	*15.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	266.63	43.95
		For Schedule 80 Pipe, Add	*96.92*	
		For Work In Restricted Working Space, Add	*19.77*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	30.88	17.71
		For 300 Lb. Rating, Add	*11.91*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	34.89	21.30
		For 300 Lb. Rating, Add	*9.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	39.31	23.81
		For 300 Lb. Rating, Add	*10.78*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	46.13	26.56
		For 300 Lb. Rating, Add	*17.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	55.45	30.15
		For 300 Lb. Rating, Add	*27.45*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	64.47	33.98
		For 300 Lb. Rating, Add	*35.60*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	88.05	43.19
		For 300 Lb. Rating, Add	*59.99*	
		For Standard Weight Cast Iron Fittings, Add	*0.37*	
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	147.80	63.89
		For 300 Lb. Rating, Add	*130.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.83*	
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	202.16	83.99
		For 300 Lb. Rating, Add	*190.48*	
		For Standard Weight Cast Iron Fittings, Add	*1.22*	
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	295.51	87.89
		For 300 Lb. Rating, Add	*400.81*	
		For Standard Weight Cast Iron Fittings, Add	*2.62*	
		For Work In Restricted Working Space, Add	*39.54*	
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	615.91	91.73
		For 300 Lb. Rating, Add	*1,156.36*	
		For Standard Weight Cast Iron Fittings, Add	*7.65*	
		For Work In Restricted Working Space, Add	*41.26*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	696.38	95.91
		For 300 Lb. Rating, Add	*1,334.87*	
		For Standard Weight Cast Iron Fittings, Add	*8.84*	
		For Work In Restricted Working Space, Add	*43.13*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	34.92	19.51
		For 300 Lb. Rating, Add	*15.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	39.66	22.50
		For 300 Lb. Rating, Add	*16.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*10.14*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	39.32	20.82
		For 300 Lb. Rating, Add	*21.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.35*	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	45.31	25.24
		For 300 Lb. Rating, Add	*20.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.34*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	43.99	23.93
		For 300 Lb. Rating, Add	*21.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	49.19	22.13
		For 300 Lb. Rating, Add	*40.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*9.97*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	55.13	28.35
		For 300 Lb. Rating, Add	*32.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*12.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	54.50	26.92
		For 300 Lb. Rating, Add	*36.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
		For Work In Restricted Working Space, Add	*12.13*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	54.97	25.73
		For 300 Lb. Rating, Add	*41.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	65.83	32.07
		For 300 Lb. Rating, Add	*45.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*14.41*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.21	30.27
		For 300 Lb. Rating, Add	*45.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.28*	
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.69	28.84
		For 300 Lb. Rating, Add	*51.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
		For Work In Restricted Working Space, Add	*12.99*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	83.59	38.52
		For 300 Lb. Rating, Add	*65.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*17.34*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	84.23	36.61
		For 300 Lb. Rating, Add	*73.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*16.47*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	81.59	34.82
		For 300 Lb. Rating, Add	*73.50*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	81.27	33.50
		For 300 Lb. Rating, Add	*77.60*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
		For Work In Restricted Working Space, Add	*15.06*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	151.00	53.48
		For 300 Lb. Rating, Add	*174.73*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
		For Work In Restricted Working Space, Add	*24.06*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	148.28	48.94
		For 300 Lb. Rating, Add	*184.30*	
		For Standard Weight Cast Iron Fittings, Add	*1.20*	
		For Work In Restricted Working Space, Add	*22.00*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	243.31	73.94
		For 300 Lb. Rating, Add	*324.63*	
		For Standard Weight Cast Iron Fittings, Add	*2.12*	
		For Work In Restricted Working Space, Add	*33.25*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	209.76	63.53
		For 300 Lb. Rating, Add	*280.40*	
		For Standard Weight Cast Iron Fittings, Add	*1.83*	
		For Work In Restricted Working Space, Add	*28.59*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	351.80	83.60
		For 300 Lb. Rating, Add	*550.98*	
		For Standard Weight Cast Iron Fittings, Add	*3.62*	
		For Work In Restricted Working Space, Add	*37.61*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	33.06	17.71
		For 300 Lb. Rating, Add	*17.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	36.84	21.30
		For 300 Lb. Rating, Add	*13.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	41.80	23.81
		For 300 Lb. Rating, Add	*16.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	47.55	26.56
		For 300 Lb. Rating, Add	*20.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	58.71	30.15
		For 300 Lb. Rating, Add	*35.28*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	67.70	33.98
		For 300 Lb. Rating, Add	*43.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*15.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	90.05	43.19
		For 300 Lb. Rating, Add	*64.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	169.15	63.89
		For 300 Lb. Rating, Add	*182.00*	
		For Standard Weight Cast Iron Fittings, Add	*1.18*	
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	221.34	83.99
		For 300 Lb. Rating, Add	*236.52*	
		For Standard Weight Cast Iron Fittings, Add	*1.53*	
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	318.87	87.89
		For 300 Lb. Rating, Add	*456.88*	
		For Standard Weight Cast Iron Fittings, Add	*2.99*	
		For Work In Restricted Working Space, Add	*39.54*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	876.47	91.73
		For 300 Lb. Rating, Add	*1,781.71*	
		For Standard Weight Cast Iron Fittings, Add	*11.82*	
		For Work In Restricted Working Space, Add	*41.26*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	899.80	95.91
		For 300 Lb. Rating, Add	*1,823.07*	
		For Standard Weight Cast Iron Fittings, Add	*12.10*	
		For Work In Restricted Working Space, Add	*43.13*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	39.49	21.89
		For 300 Lb. Rating, Add	*16.99*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*9.97*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	43.87	26.56
		For 300 Lb. Rating, Add	*11.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	51.74	30.75
		For 300 Lb. Rating, Add	*16.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*13.81*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	64.18	36.26
		For 300 Lb. Rating, Add	*26.78*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	80.54	43.19
		For 300 Lb. Rating, Add	*41.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	96.93	51.45
		For 300 Lb. Rating, Add	*52.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	129.35	63.89
		For 300 Lb. Rating, Add	*86.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	198.47	83.99
		For 300 Lb. Rating, Add	*181.63*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	256.39	99.78
		For 300 Lb. Rating, Add	*265.37*	
		For Standard Weight Cast Iron Fittings, Add	*1.71*	
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	424.69	111.05
		For 300 Lb. Rating, Add	*629.69*	
		For Standard Weight Cast Iron Fittings, Add	*4.13*	
		For Work In Restricted Working Space, Add	*49.94*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	980.18	131.84
		For 300 Lb. Rating, Add	*1,889.81*	
		For Standard Weight Cast Iron Fittings, Add	*12.52*	
		For Work In Restricted Working Space, Add	*59.31*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,065.68	150.70
		For 300 Lb. Rating, Add	*2,028.93*	
		For Standard Weight Cast Iron Fittings, Add	*13.44*	
		For Work In Restricted Working Space, Add	*67.78*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	46.66	26.56
		For 300 Lb. Rating, Add	*18.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	54.87	30.75
		For 300 Lb. Rating, Add	*24.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*13.81*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	65.55	36.26
		For 300 Lb. Rating, Add	*30.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	86.62	43.19
		For 300 Lb. Rating, Add	*56.56*	
		For Standard Weight Cast Iron Fittings, Add	*0.35*	
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	101.51	51.45
		For 300 Lb. Rating, Add	*63.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	131.02	63.89
		For 300 Lb. Rating, Add	*90.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.56*	
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	235.96	83.99
		For 300 Lb. Rating, Add	*271.60*	
		For Standard Weight Cast Iron Fittings, Add	*1.76*	
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	275.57	99.78
		For 300 Lb. Rating, Add	*311.40*	
		For Standard Weight Cast Iron Fittings, Add	*2.02*	
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	472.08	111.05
		For 300 Lb. Rating, Add	*743.43*	
		For Standard Weight Cast Iron Fittings, Add	*4.89*	
		For Work In Restricted Working Space, Add	*49.94*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	906.54	131.84
		For 300 Lb. Rating, Add	*1,713.08*	
		For Standard Weight Cast Iron Fittings, Add	*11.34*	
		For Work In Restricted Working Space, Add	*59.31*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,029.93	150.70
		For 300 Lb. Rating, Add	*1,943.13*	
		For Standard Weight Cast Iron Fittings, Add	*12.86*	
		For Work In Restricted Working Space, Add	*67.78*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	31.93	17.71
		For 300 Lb. Rating, Add	*14.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	36.03	21.30
		For 300 Lb. Rating, Add	*11.80*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	40.54	23.81
		For 300 Lb. Rating, Add	*13.73*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	47.11	26.56
		For 300 Lb. Rating, Add	*19.74*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	54.51	30.15
		For 300 Lb. Rating, Add	*25.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	63.56	33.98
		For 300 Lb. Rating, Add	*33.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	83.43	43.19
		For 300 Lb. Rating, Add	*48.90*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	147.46	63.89
		For 300 Lb. Rating, Add	*129.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.83*	
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	195.91	83.99
		For 300 Lb. Rating, Add	*175.48*	
		For Standard Weight Cast Iron Fittings, Add	*1.12*	
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	272.71	87.89
		For 300 Lb. Rating, Add	*346.09*	
		For Standard Weight Cast Iron Fittings, Add	*2.25*	
		For Work In Restricted Working Space, Add	*39.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	534.31	91.73
		For 300 Lb. Rating, Add	*960.52*	
		For Standard Weight Cast Iron Fittings, Add	*6.35*	
		For Work In Restricted Working Space, Add	*41.26*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	595.80	95.91
		For 300 Lb. Rating, Add	*1,093.47*	
		For Standard Weight Cast Iron Fittings, Add	*7.23*	
		For Work In Restricted Working Space, Add	*43.13*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	37.03	21.30
		For 300 Lb. Rating, Add	*14.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	41.13	23.81
		For 300 Lb. Rating, Add	*15.15*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	48.32	26.56
		For 300 Lb. Rating, Add	*22.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	55.99	30.15
		For 300 Lb. Rating, Add	*28.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	64.62	33.98
		For 300 Lb. Rating, Add	*35.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	84.54	43.19
		For 300 Lb. Rating, Add	*51.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	154.45	63.89
		For 300 Lb. Rating, Add	*146.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.94*	
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	197.34	83.99
		For 300 Lb. Rating, Add	*178.92*	
		For Standard Weight Cast Iron Fittings, Add	*1.14*	
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	274.91	87.89
		For 300 Lb. Rating, Add	*351.37*	
		For Standard Weight Cast Iron Fittings, Add	*2.29*	
		For Work In Restricted Working Space, Add	*39.54*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	459.20	91.73
		For 300 Lb. Rating, Add	*780.26*	
		For Standard Weight Cast Iron Fittings, Add	*5.15*	
		For Work In Restricted Working Space, Add	*41.26*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	556.93	95.91
		For 300 Lb. Rating, Add	*1,000.19*	
		For Standard Weight Cast Iron Fittings, Add	*6.61*	
		For Work In Restricted Working Space, Add	*43.13*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	17.37	9.45
		For 300 Lb. Rating, Add	*8.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	20.14	10.65
		For 300 Lb. Rating, Add	*10.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*4.82*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	22.89	11.85
		For 300 Lb. Rating, Add	*12.93*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*5.39*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	26.82	13.40
		For 300 Lb. Rating, Add	*16.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*6.09*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	31.85	15.08
		For 300 Lb. Rating, Add	*22.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*6.87*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	42.15	19.27
		For 300 Lb. Rating, Add	*33.07*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*8.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	73.02	28.48
		For 300 Lb. Rating, Add	*74.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.48*	
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	100.85	37.44
		For 300 Lb. Rating, Add	*109.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.71*	
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	135.06	39.20
		For 300 Lb. Rating, Add	*185.36*	
		For Standard Weight Cast Iron Fittings, Add	*1.21*	
		For Work In Restricted Working Space, Add	*17.79*	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	242.41	40.89
		For 300 Lb. Rating, Add	*436.98*	
		For Standard Weight Cast Iron Fittings, Add	*2.89*	
		For Work In Restricted Working Space, Add	*18.56*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	395.63	42.70
		For 300 Lb. Rating, Add	*798.11*	
		For Standard Weight Cast Iron Fittings, Add	*5.29*	
		For Work In Restricted Working Space, Add	*19.41*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	41.04	17.71
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	52.97	26.56
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	61.06	30.75
		For Work In Restricted Working Space, Add	*13.81*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	74.00	36.26
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	92.80	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	112.26	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	136.50	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	262.80	94.16
		For Work In Restricted Working Space, Add	*42.39*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	332.18	123.84
		For Work In Restricted Working Space, Add	*55.77*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	45.69	17.71
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	61.81	26.56
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	67.59	30.75
		For Work In Restricted Working Space, Add	*13.81*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	80.84	36.26
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	109.08	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	128.31	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	161.30	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	346.88	94.16
		For Work In Restricted Working Space, Add	*42.39*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	426.51	123.84
		For Work In Restricted Working Space, Add	*55.77*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	621.02	129.68
		For Work In Restricted Working Space, Add	*58.37*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	57.60	17.71
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	64.97	26.56
		For Work In Restricted Working Space, Add	*11.96*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	73.81	30.75
		For Work In Restricted Working Space, Add	*13.81*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	90.65	36.26
		For Work In Restricted Working Space, Add	*16.31*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	123.84	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	139.16	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	172.46	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	388.76	94.16
		For Work In Restricted Working Space, Add	*42.39*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	506.04	123.84
		For Work In Restricted Working Space, Add	*55.77*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,210.64	129.68
		For Work In Restricted Working Space, Add	*58.37*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	20.00	11.36
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	19.55	11.36
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	19.91	11.36
		For Schedule 80 Nipples, Add	*1.41*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	22.51	12.32
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	25.13	13.28
		For Schedule 80 Nipples, Add	*2.60*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	26.40	13.28
		For Schedule 80 Nipples, Add	*3.23*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	34.53	17.11
		For Schedule 80 Nipples, Add	*4.40*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	59.45	21.30
		For Schedule 80 Nipples, Add	*13.77*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	71.32	25.73
		For Schedule 80 Nipples, Add	*16.37*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	94.48	30.16
		For Schedule 80 Nipples, Add	*24.65*	
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.40	11.36
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.55	11.36
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.12	11.36
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	20.40	11.36
		For Schedule 80 Nipples, Add	*1.66*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	19.55	11.36
		For Schedule 80 Nipples, Add	*1.23*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	20.12	11.36
		For Schedule 80 Nipples, Add	*1.52*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	22.90	12.32
		For Schedule 80 Nipples, Add	*2.25*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	25.82	13.28
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	26.92	13.28
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.34	11.36
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.00	11.36
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.52	11.36
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.17	12.32
		For Schedule 80 Nipples, Add	*2.38*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	26.19	13.28
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	27.74	13.28
		For Schedule 80 Nipples, Add	*3.90*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	35.83	17.11
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	21.34	11.36
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	20.00	11.36
		For Schedule 80 Nipples, Add	*1.46*	
		For Work In Restricted Working Space, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	20.52	11.36
		For Schedule 80 Nipples, Add	*1.72*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	23.17	12.32
		For Schedule 80 Nipples, Add	*2.38*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	26.19	13.28
		For Schedule 80 Nipples, Add	*3.13*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	27.74	13.28
		For Schedule 80 Nipples, Add	*3.90*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	35.83	17.11
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	60.18	21.30
		For Schedule 80 Nipples, Add	*14.14*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	74.17	25.73
		For Schedule 80 Nipples, Add	*17.79*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.10	11.36
		For Schedule 80 Nipples, Add	*2.51*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	20.58	11.36
		For Schedule 80 Nipples, Add	*1.75*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.34	11.36
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.29	12.32
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.34	13.28
		For Schedule 80 Nipples, Add	*3.70*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	28.68	13.28
		For Schedule 80 Nipples, Add	*4.37*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	37.95	17.11
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	65.16	21.30
		For Schedule 80 Nipples, Add	*16.63*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	80.73	25.73
		For Schedule 80 Nipples, Add	*21.07*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	22.10	11.36
		For Schedule 80 Nipples, Add	*2.51*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	20.58	11.36
		For Schedule 80 Nipples, Add	*1.75*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	21.34	11.36
		For Schedule 80 Nipples, Add	*2.13*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	24.29	12.32
		For Schedule 80 Nipples, Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	27.34	13.28
		For Schedule 80 Nipples, Add	*3.70*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	28.68	13.28
		For Schedule 80 Nipples, Add	*4.37*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	37.95	17.11
		For Schedule 80 Nipples, Add	*6.11*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	65.16	21.30
		For Schedule 80 Nipples, Add	*16.63*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	80.73	25.73
		For Schedule 80 Nipples, Add	*21.07*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	102.22	30.16
		For Schedule 80 Nipples, Add	*28.52*	
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.31	11.36
		For Schedule 80 Nipples, Add	*3.61*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.19	11.36
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.43	11.36
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.39	12.32
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	28.80	13.28
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	30.62	13.28
		For Schedule 80 Nipples, Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	39.81	17.11
		For Schedule 80 Nipples, Add	*7.04*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	68.43	21.30
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	85.06	25.73
		For Schedule 80 Nipples, Add	*23.24*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	110.35	30.16
		For Schedule 80 Nipples, Add	*32.58*	
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	24.31	11.36
		For Schedule 80 Nipples, Add	*3.61*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	21.19	11.36
		For Schedule 80 Nipples, Add	*2.05*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	22.43	11.36
		For Schedule 80 Nipples, Add	*2.67*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	25.39	12.32
		For Schedule 80 Nipples, Add	*3.49*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	28.80	13.28
		For Schedule 80 Nipples, Add	*4.43*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	30.62	13.28
		For Schedule 80 Nipples, Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	39.81	17.11
		For Schedule 80 Nipples, Add	*7.04*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	68.43	21.30
		For Schedule 80 Nipples, Add	*18.26*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	85.06	25.73
		For Schedule 80 Nipples, Add	*23.24*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	110.35	30.16
		For Schedule 80 Nipples, Add	*32.58*	
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	25.13	11.36
		For Schedule 80 Nipples, Add	*4.02*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	21.67	11.36
		For Schedule 80 Nipples, Add	*2.29*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	23.16	11.36
		For Schedule 80 Nipples, Add	*3.04*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	26.66	12.32
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	30.44	13.28
		For Schedule 80 Nipples, Add	*5.25*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	32.20	13.28
		For Schedule 80 Nipples, Add	*6.13*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	42.23	17.11
		For Schedule 80 Nipples, Add	*8.25*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	69.98	21.30
		For Schedule 80 Nipples, Add	*19.04*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	89.10	25.73
		For Schedule 80 Nipples, Add	*25.26*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	114.84	30.16
		For Schedule 80 Nipples, Add	*34.83*	
		For Work In Restricted Working Space, Add	*13.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	31.20	11.36
		For Schedule 80 Nipples, Add	*7.06*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	25.34	11.36
		For Schedule 80 Nipples, Add	*4.13*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	27.19	11.36
		For Schedule 80 Nipples, Add	*5.05*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	31.91	12.32
		For Schedule 80 Nipples, Add	*6.75*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	36.90	13.28
		For Schedule 80 Nipples, Add	*8.48*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	39.38	13.28
		For Schedule 80 Nipples, Add	*9.72*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	53.40	17.11
		For Schedule 80 Nipples, Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	80.35	21.30
		For Schedule 80 Nipples, Add	*24.22*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	106.72	25.73
		For Schedule 80 Nipples, Add	*34.07*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	125.58	30.16
		For Schedule 80 Nipples, Add	*40.20*	
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	32.92	11.36
		For Schedule 80 Nipples, Add	*7.92*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	27.01	11.36
		For Schedule 80 Nipples, Add	*4.96*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	28.83	11.36
		For Schedule 80 Nipples, Add	*5.87*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	34.18	12.32
		For Schedule 80 Nipples, Add	*7.89*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	40.26	13.28
		For Schedule 80 Nipples, Add	*10.16*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	42.69	13.28
		For Schedule 80 Nipples, Add	*11.38*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	58.25	17.11
		For Schedule 80 Nipples, Add	*16.26*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	86.33	21.30
		For Schedule 80 Nipples, Add	*27.21*	
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	115.12	25.73
		For Schedule 80 Nipples, Add	*38.27*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	136.74	30.16
		For Schedule 80 Nipples, Add	*45.78*	
		For Work In Restricted Working Space, Add	*13.56*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	35.11	11.36
		For Schedule 80 Nipples, Add	*9.01*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	28.86	11.36
		For Schedule 80 Nipples, Add	*5.89*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	30.13	11.36
		For Schedule 80 Nipples, Add	*6.52*	
		For Work In Restricted Working Space, Add	*5.13*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	36.52	12.32
		For Schedule 80 Nipples, Add	*9.06*	
		For Work In Restricted Working Space, Add	*5.52*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	42.99	13.28
		For Schedule 80 Nipples, Add	*11.53*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	46.15	13.28
		For Schedule 80 Nipples, Add	*13.11*	
		For Work In Restricted Working Space, Add	*5.98*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	63.16	17.11
		For Schedule 80 Nipples, Add	*18.72*	
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	92.46	21.30
		For Schedule 80 Nipples, Add	*30.28*	
		For Work In Restricted Working Space, Add	*9.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	123.53	25.73
		For Schedule 80 Nipples, Add	*42.47*	
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	152.51	30.16
		For Schedule 80 Nipples, Add	*53.66*	
		For Work In Restricted Working Space, Add	*13.56*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	33.82	19.51
		For Work In Restricted Working Space, Add	*8.77*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	38.02	20.94
		For Work In Restricted Working Space, Add	*9.42*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	40.42	22.50
		For Work In Restricted Working Space, Add	*10.14*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	42.61	22.38
		For Work In Restricted Working Space, Add	*10.05*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	42.70	23.93
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	44.61	25.24
		For Work In Restricted Working Space, Add	*11.34*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	46.36	24.05
		For Work In Restricted Working Space, Add	*10.84*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	48.28	25.73
		For Work In Restricted Working Space, Add	*11.56*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	49.21	26.92
		For Work In Restricted Working Space, Add	*12.13*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	51.30	28.35
		For Work In Restricted Working Space, Add	*12.75*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	52.49	26.08
		For Work In Restricted Working Space, Add	*11.70*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	52.52	27.64
		For Work In Restricted Working Space, Add	*12.42*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	54.42	28.84
		For Work In Restricted Working Space, Add	*12.99*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	55.16	30.27
		For Work In Restricted Working Space, Add	*13.62*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	59.16	32.07
		For Work In Restricted Working Space, Add	*14.41*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	64.93	30.63
		For Work In Restricted Working Space, Add	*13.77*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	65.07	32.18
		For Work In Restricted Working Space, Add	*14.49*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	64.38	33.50
		For Work In Restricted Working Space, Add	*15.06*	
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	65.57	34.82
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	68.21	36.61
		For Work In Restricted Working Space, Add	*16.47*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	72.59	38.52
		For Work In Restricted Working Space, Add	*17.34*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	89.88	43.79
		For Work In Restricted Working Space, Add	*19.72*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	91.96	45.23
		For Work In Restricted Working Space, Add	*20.34*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	94.60	46.91
		For Work In Restricted Working Space, Add	*21.13*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	95.83	48.94
		For Work In Restricted Working Space, Add	*22.00*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	102.53	53.48
		For Work In Restricted Working Space, Add	*24.06*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	114.26	53.84
		For Work In Restricted Working Space, Add	*24.25*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	116.33	55.28
		For Work In Restricted Working Space, Add	*24.87*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	118.97	57.07
		For Work In Restricted Working Space, Add	*25.67*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	121.20	58.98
		For Work In Restricted Working Space, Add	*26.53*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	125.94	63.53
		For Work In Restricted Working Space, Add	*28.59*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	141.90	73.94
		For Work In Restricted Working Space, Add	*33.25*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	146.87	55.13
		For Work In Restricted Working Space, Add	*24.83*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	148.83	56.48
		For Work In Restricted Working Space, Add	*25.42*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	151.31	58.18
		For Work In Restricted Working Space, Add	*26.16*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	154.04	59.99
		For Work In Restricted Working Space, Add	*26.98*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	157.09	64.28
		For Work In Restricted Working Space, Add	*28.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	171.75	74.11
		For Work In Restricted Working Space, Add	*33.33*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	186.02	83.60
		For Work In Restricted Working Space, Add	*37.61*	
23 21 13 23-0326		**Black Malleable Iron Square Head Plugs** *(23 21 13 23-0014)*		
23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	14.14	7.06
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	16.49	8.50
		For Work In Restricted Working Space, Add	*3.83*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	18.01	9.57
		For Work In Restricted Working Space, Add	*4.28*	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	20.63	10.65
		For Work In Restricted Working Space, Add	*4.78*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	23.97	12.09
		For Work In Restricted Working Space, Add	*5.42*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	28.61	13.52
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	37.59	17.23
		For Work In Restricted Working Space, Add	*7.76*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	59.63	25.49
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	79.68	33.62
		For Work In Restricted Working Space, Add	*15.11*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	114.17	35.13
		For Work In Restricted Working Space, Add	*15.82*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	187.01	36.71
		For Work In Restricted Working Space, Add	*16.51*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	221.01	38.29
		For Work In Restricted Working Space, Add	*17.26*	
23 21 13 23-0339		**125 Lb., Black Cast Iron Screwed Flanges** *(23 21 13 23-0014)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	138.70	47.86
		For Work In Restricted Working Space, Add	*21.54*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	123.67	54.08
		For Work In Restricted Working Space, Add	*24.34*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	134.86	56.00
		For Work In Restricted Working Space, Add	*25.19*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	138.38	60.90
		For Work In Restricted Working Space, Add	*27.40*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	142.27	63.53
		For Work In Restricted Working Space, Add	*28.60*	
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	165.17	73.58
		For Work In Restricted Working Space, Add	*33.08*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	210.68	93.32
		For Work In Restricted Working Space, Add	*41.98*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	276.10	120.54
		For Work In Restricted Working Space, Add	*54.23*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	349.88	143.59
		For Work In Restricted Working Space, Add	*64.55*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	399.52	164.83
		For Work In Restricted Working Space, Add	*74.14*	
23 21 13 23-0350		**150 Lb., Black Malleable Iron Flanges** *(23 21 13 23-0014)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	80.36	43.67
		For Work In Restricted Working Space, Add	*19.67*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	87.74	47.86
		For Work In Restricted Working Space, Add	*21.54*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	101.83	54.08
		For Work In Restricted Working Space, Add	*24.33*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	106.10	56.00
		For Work In Restricted Working Space, Add	*25.19*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	115.50	60.90
		For Work In Restricted Working Space, Add	*27.40*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	126.84	63.53
		For Work In Restricted Working Space, Add	*28.60*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	159.68	73.58
		For Work In Restricted Working Space, Add	*33.08*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	202.37	93.32
		For Work In Restricted Working Space, Add	*41.97*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	286.82	120.54
		For Work In Restricted Working Space, Add	*54.21*	
23 21 13 23-0360		**Cut And Thread Existing In-Place Black Steel Pipe** *(23 21 13 23-0014)*		
		Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	38.98	
		For Work In Restricted Working Space, Add	*11.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	42.88	
		For Work In Restricted Working Space, Add	*12.86*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	46.78	
		For Work In Restricted Working Space, Add	*14.03*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	50.68	
		For Work In Restricted Working Space, Add	*15.20*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	53.27	
		For Work In Restricted Working Space, Add	*15.98*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	55.87	
		For Work In Restricted Working Space, Add	*16.76*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	58.48	
		For Work In Restricted Working Space, Add	*17.54*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	61.07	
		For Work In Restricted Working Space, Add	*18.32*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	63.67	
		For Work In Restricted Working Space, Add	*19.10*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	68.87	
		For Work In Restricted Working Space, Add	*20.66*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	74.06	
		For Work In Restricted Working Space, Add	*22.22*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	80.56	
		For Work In Restricted Working Space, Add	*24.17*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	85.76	
		For Work In Restricted Working Space, Add	*25.73*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	28.75	9.09
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.16	9.70
		For Work In Restricted Working Space, Add	*7.44*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.82	10.30
		For Work In Restricted Working Space, Add	*8.55*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.78	10.30
		For Work In Restricted Working Space, Add	*8.94*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.89	10.30
		For Work In Restricted Working Space, Add	*10.34*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	55.43	10.30
		For Work In Restricted Working Space, Add	*11.99*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	65.06	10.07
		For Work In Restricted Working Space, Add	*12.65*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	85.98	12.41
		For Work In Restricted Working Space, Add	*15.41*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	117.01	18.50
		For Work In Restricted Working Space, Add	*17.74*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	176.95	22.99
		For Work In Restricted Working Space, Add	*26.32*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	235.45	28.73
		For Work In Restricted Working Space, Add	*31.38*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	296.19	34.71
		For Work In Restricted Working Space, Add	*36.26*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	321.45	45.28
		For Work In Restricted Working Space, Add	*40.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	371.06	57.47
		For Work In Restricted Working Space, Add	*45.21*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	471.46	71.14
		For Work In Restricted Working Space, Add	*49.60*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	592.76	87.92
		For Work In Restricted Working Space, Add	*56.78*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	728.82	99.64
		For Work In Restricted Working Space, Add	*62.42*	
23 21 13 23-0393		Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)* Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394		Welded Plain End (A-53) Black Steel Piping *(23 21 13 23-0393)*		
23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	12.69	4.85
		For Schedule 80 Pipe, Add	*2.05*	
		For Work In Restricted Working Space, Add	*2.91*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.10	6.06
		For Schedule 80 Pipe, Add	*2.61*	
		For Work In Restricted Working Space, Add	*3.64*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	20.38	7.27
		For Schedule 80 Pipe, Add	*3.35*	
		For Work In Restricted Working Space, Add	*4.37*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	24.72	8.49
		For Schedule 80 Pipe, Add	*4.10*	
		For Work In Restricted Working Space, Add	*5.09*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	29.40	10.07
		For Schedule 80 Pipe, Add	*4.87*	
		For Work In Restricted Working Space, Add	*6.04*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	33.61	11.40
		For Schedule 80 Pipe, Add	*7.77*	
		For Work In Restricted Working Space, Add	*6.84*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	41.66	12.25
		For Schedule 80 Pipe, Add	*10.29*	
		For Work In Restricted Working Space, Add	*7.35*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	57.83	15.16
		For Schedule 80 Pipe, Add	*14.93*	
		For Work In Restricted Working Space, Add	*9.10*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	83.70	24.56
		For Schedule 80 Pipe, Add	*22.72*	
		For Work In Restricted Working Space, Add	*11.28*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	118.93	24.71
		For Schedule 80 Pipe, Add	*32.98*	
		For Schedule 30 Pipe, Deduct	*-18.84*	
		For Work In Restricted Working Space, Add	*14.83*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	157.91	29.76
		For Schedule 80 Pipe, Add	*44.85*	
		For Schedule 30 Pipe, Deduct	*-25.63*	
		For Work In Restricted Working Space, Add	*17.86*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	202.05	35.97
		For Schedule 80 Pipe, Add	*58.13*	
		For Schedule 30 Pipe, Deduct	*-33.22*	
		For Work In Restricted Working Space, Add	*21.59*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	194.49	37.93
		For Schedule 80 Pipe, Add	*54.80*	
		For Schedule 30 Pipe, Deduct	*-31.31*	
		For Schedule 20 Pipe, Deduct	*-56.69*	
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	214.21	40.80
		For Schedule 80 Pipe, Add	*60.69*	
		For Schedule 30 Pipe, Deduct	*-34.68*	
		For Schedule 20 Pipe, Deduct	*-62.73*	
		For Work In Restricted Working Space, Add	*24.48*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	272.06	44.13
		For Schedule 80 Pipe, Add	*79.77*	
		For Schedule 30 Pipe, Deduct	*-45.59*	
		For Schedule 20 Pipe, Deduct	*-81.98*	
		For Work In Restricted Working Space, Add	*26.48*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	321.53	52.87
		For Schedule 80 Pipe, Add	*94.03*	
		For Work In Restricted Working Space, Add	*31.72*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	400.36	60.80
		For Schedule 80 Pipe, Add	*118.85*	
		For Work In Restricted Working Space, Add	*36.48*	
23 21 13 23-0412		Welded Plain End (A-106) Seamless Carbon Steel Piping *(23 21 13 23-0393)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.97	3.40
		For Work In Restricted Working Space, Add	*2.04*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.94*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	12.15	3.75
		For Work In Restricted Working Space, Add	*2.22*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.87*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	15.37	4.85
		For Work In Restricted Working Space, Add	*2.91*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.55*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	18.86	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.31*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	23.78	7.27
		For Work In Restricted Working Space, Add	*4.37*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.60*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	27.77	8.49
		For Work In Restricted Working Space, Add	*5.09*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.54*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	32.99	10.07
		For Work In Restricted Working Space, Add	*6.04*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.78*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	43.38	11.40
		For Work In Restricted Working Space, Add	*6.84*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*14.94*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	49.69	12.25
		For Work In Restricted Working Space, Add	*7.35*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*17.78*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	61.74	15.16
		For Work In Restricted Working Space, Add	*9.10*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*22.14*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	96.14	24.62
		For Work In Restricted Working Space, Add	*11.28*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*38.42*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	137.52	24.71
		For Work In Restricted Working Space, Add	*14.83*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*56.75*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	185.18	29.76
		For Work In Restricted Working Space, Add	*17.86*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*79.29*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	225.79	35.97
		For Work In Restricted Working Space, Add	*21.59*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*96.94*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	265.05	37.93
		For Work In Restricted Working Space, Add	*22.76*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*117.33*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	306.14	40.80
		For Work In Restricted Working Space, Add	*24.48*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*137.98*	
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	371.54	44.13
		For Work In Restricted Working Space, Add	*26.48*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*171.87*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	447.75	52.87
		For Work In Restricted Working Space, Add	*31.72*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*207.39*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	564.67	60.80
		For Work In Restricted Working Space, Add	*36.48*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*266.36*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	130.42	72.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.66*	
		For Work In Restricted Working Space, Add	*32.76*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	136.14	76.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.78*	
		For Work In Restricted Working Space, Add	*34.47*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	152.23	87.34
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.91*	
		For Work In Restricted Working Space, Add	*39.30*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	162.57	94.24
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.93*	
		For Work In Restricted Working Space, Add	*42.40*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	205.09	122.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.22*	
		For Work In Restricted Working Space, Add	*55.16*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	258.12	153.32
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.30*	
		For Work In Restricted Working Space, Add	*68.95*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	279.56	163.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*58.07*	
		For Work In Restricted Working Space, Add	*73.72*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	480.68	283.30
		For Schedule 80 Or Extra Heavy Fittings, Add	*99.61*	
		For Work In Restricted Working Space, Add	*127.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	838.55	467.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*177.96*	
		For Work In Restricted Working Space, Add	*210.30*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,189.06	622.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*258.67*	
		For Work In Restricted Working Space, Add	*280.14*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,535.87	711.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*348.71*	
		For Work In Restricted Working Space, Add	*320.16*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,075.94	931.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*476.17*	
		For Work In Restricted Working Space, Add	*418.90*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,570.38	1,100.91
		For Schedule 80 Or Extra Heavy Fittings, Add	*597.81*	
		For Work In Restricted Working Space, Add	*495.17*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,186.40	1,285.60
		For Schedule 80 Or Extra Heavy Fittings, Add	*753.55*	
		For Work In Restricted Working Space, Add	*578.21*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,769.59	1,433.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*905.22*	
		For Work In Restricted Working Space, Add	*644.74*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,791.53	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,184.43*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,602.79	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,419.37*	
		For Work In Restricted Working Space, Add	*747.04*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	655.63	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*152.01*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,143.10	462.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*270.17*	
		For Work In Restricted Working Space, Add	*207.90*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,220.27	462.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*293.32*	
		For Work In Restricted Working Space, Add	*207.90*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,883.27	622.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*466.93*	
		For Work In Restricted Working Space, Add	*280.14*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,067.27	622.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*522.13*	
		For Work In Restricted Working Space, Add	*280.14*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,584.86	711.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*663.40*	
		For Work In Restricted Working Space, Add	*320.16*	
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,584.86	711.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*663.40*	
		For Work In Restricted Working Space, Add	*320.16*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,240.69	949.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,122.80*	
		For Work In Restricted Working Space, Add	*426.88*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,240.69	949.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,122.80*	
		For Work In Restricted Working Space, Add	*426.88*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,741.20	949.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,272.95*	
		For Work In Restricted Working Space, Add	*426.88*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	119.93	68.77
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.16*	
		For Work In Restricted Working Space, Add	*30.92*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	123.57	71.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.87*	
		For Work In Restricted Working Space, Add	*32.02*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	139.34	81.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.94*	
		For Work In Restricted Working Space, Add	*36.75*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	149.04	88.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.83*	
		For Work In Restricted Working Space, Add	*39.66*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	187.85	113.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.40*	
		For Work In Restricted Working Space, Add	*51.30*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	234.27	143.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.74*	
		For Work In Restricted Working Space, Add	*64.40*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	270.39	163.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.32*	
		For Work In Restricted Working Space, Add	*73.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	465.47	283.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*95.05*	
		For Work In Restricted Working Space, Add	*127.39*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	800.62	467.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*166.67*	
		For Work In Restricted Working Space, Add	*210.06*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,120.18	622.81
		For Schedule 80 Or Extra Heavy Fittings, Add	*238.01*	
		For Work In Restricted Working Space, Add	*280.14*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,409.41	711.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*310.77*	
		For Work In Restricted Working Space, Add	*320.16*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,889.95	929.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*420.64*	
		For Work In Restricted Working Space, Add	*418.12*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,324.35	1,102.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*523.77*	
		For Work In Restricted Working Space, Add	*495.82*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,844.67	1,284.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*651.24*	
		For Work In Restricted Working Space, Add	*577.61*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,329.84	1,431.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*773.55*	
		For Work In Restricted Working Space, Add	*644.00*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,148.82	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*991.62*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,762.84	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,167.39*	
		For Work In Restricted Working Space, Add	*747.04*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	244.91	129.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.10*	
		For Work In Restricted Working Space, Add	*58.21*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	244.85	129.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.09*	
		For Work In Restricted Working Space, Add	*58.19*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	277.12	143.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.48*	
		For Work In Restricted Working Space, Add	*64.74*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	303.88	161.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*65.70*	
		For Work In Restricted Working Space, Add	*72.77*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	378.06	215.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*79.42*	
		For Work In Restricted Working Space, Add	*97.14*	
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	431.23	242.67
		For Schedule 80 Or Extra Heavy Fittings, Add	*91.17*	
		For Work In Restricted Working Space, Add	*109.15*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	516.05	294.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*108.46*	
		For Work In Restricted Working Space, Add	*132.43*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	742.08	425.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*155.60*	
		For Work In Restricted Working Space, Add	*191.49*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,243.47	703.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*262.31*	
		For Work In Restricted Working Space, Add	*316.37*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,772.72	949.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*382.41*	
		For Work In Restricted Working Space, Add	*426.88*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,246.57	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*499.66*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	3,026.37	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*683.80*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,924.23	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*915.81*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,721.91	1,993.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,102.82*	
		For Work In Restricted Working Space, Add	*896.45*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	6,152.19	2,214.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,497.04*	
		For Work In Restricted Working Space, Add	*996.05*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	8,107.46	2,491.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,040.04*	
		For Work In Restricted Working Space, Add	*1,120.56*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	9,355.50	2,683.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,384.28*	
		For Work In Restricted Working Space, Add	*1,206.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0497		**Welded Plain End Black Steel Reducing Tees** *(23 21 13 23-0393)*		
23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	238.85	125.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.92*	
		For Work In Restricted Working Space, Add	*56.39*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	244.85	129.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.09*	
		For Work In Restricted Working Space, Add	*58.19*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	273.87	143.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*59.50*	
		For Work In Restricted Working Space, Add	*64.74*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	300.63	161.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*64.72*	
		For Work In Restricted Working Space, Add	*72.77*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	385.38	215.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*81.60*	
		For Work In Restricted Working Space, Add	*97.17*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	431.37	242.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*91.19*	
		For Work In Restricted Working Space, Add	*109.19*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	516.39	294.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*108.57*	
		For Work In Restricted Working Space, Add	*132.43*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	742.56	425.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*155.75*	
		For Work In Restricted Working Space, Add	*191.49*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,244.29	703.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*262.56*	
		For Work In Restricted Working Space, Add	*316.37*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,774.30	949.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*382.88*	
		For Work In Restricted Working Space, Add	*426.88*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,249.25	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*500.46*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,030.42	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*685.01*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,930.75	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*917.76*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,729.80	1,993.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,105.18*	
		For Work In Restricted Working Space, Add	*896.45*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	6,165.09	2,214.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,500.91*	
		For Work In Restricted Working Space, Add	*996.05*	
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,232.79	2,491.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,077.64*	
		For Work In Restricted Working Space, Add	*1,120.56*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,915.31	2,683.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,552.23*	
		For Work In Restricted Working Space, Add	*1,206.76*	
23 21 13 23-0515		**Welded Plain End Black Steel Eccentric Reducers** *(23 21 13 23-0393)*		
23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	149.36	78.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.39*	
		For Work In Restricted Working Space, Add	*35.47*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	160.87	86.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.64*	
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	157.85	84.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.05*	
		For Work In Restricted Working Space, Add	*38.02*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	174.81	95.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.36*	
		For Work In Restricted Working Space, Add	*43.10*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	166.33	90.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.70*	
		For Work In Restricted Working Space, Add	*40.56*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	163.31	88.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.11*	
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	190.44	114.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.12*	
		For Work In Restricted Working Space, Add	*51.47*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	196.66	110.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.56*	
		For Work In Restricted Working Space, Add	*49.84*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	188.17	105.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.90*	
		For Work In Restricted Working Space, Add	*47.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	240.13	145.58
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.12*	
		For Work In Restricted Working Space, Add	*65.48*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	221.46	130.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.88*	
		For Work In Restricted Working Space, Add	*58.75*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	236.74	126.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.03*	
		For Work In Restricted Working Space, Add	*57.11*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	268.95	163.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.96*	
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	270.64	163.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.47*	
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	274.23	163.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.54*	
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	456.82	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*92.37*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	458.51	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*92.87*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	463.61	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*94.40*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	757.48	462.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*154.48*	
		For Work In Restricted Working Space, Add	*207.90*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	794.06	462.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*165.45*	
		For Work In Restricted Working Space, Add	*207.90*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,136.78	703.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*230.30*	
		For Work In Restricted Working Space, Add	*316.37*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,204.85	703.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*250.73*	
		For Work In Restricted Working Space, Add	*316.37*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,320.40	808.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*268.78*	
		For Work In Restricted Working Space, Add	*363.82*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,402.24	808.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*293.33*	
		For Work In Restricted Working Space, Add	*363.82*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,509.90	808.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*325.63*	
		For Concentric Reducers, Deduct	*-95.09*	
		For Work In Restricted Working Space, Add	*363.82*	
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,588.23	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*327.34*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,683.83	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*356.02*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,845.42	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*404.50*	
		For Concentric Reducers, Deduct	*-136.06*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,585.52	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*326.53*	
		For Concentric Reducers, Deduct	*-52.89*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,954.99	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*412.19*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,005.33	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*427.29*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,507.24	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*577.86*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,318.62	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*499.49*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,466.82	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*543.95*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,524.52	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*561.26*	
		For Concentric Reducers, Deduct	*-210.21*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,174.46	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*756.24*	
		For Work In Restricted Working Space, Add	*560.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,497.88	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*853.27*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,946.86	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*659.95*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,280.09	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*459.92*	
		For Concentric Reducers, Deduct	*-46.62*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,024.75	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*683.31*	
		For Concentric Reducers, Deduct	*-284.91*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,139.56	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*717.76*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,110.32	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,008.99*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,430.26	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*776.05*	
		For Concentric Reducers, Deduct	*-326.54*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,427.62	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*775.26*	
		For Concentric Reducers, Deduct	*-325.70*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,711.86	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,160.53*	
		For Concentric Reducers, Deduct	*-736.66*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,226.97	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,315.06*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,999.67	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,546.87*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,828.10	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*886.97*	
		For Concentric Reducers, Deduct	*-428.15*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,983.79	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*933.67*	
		For Concentric Reducers, Deduct	*-477.97*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,707.13	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,150.68*	
		For Concentric Reducers, Deduct	*-709.44*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,053.22	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,554.50*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	7,062.54	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,857.30*	
		For Work In Restricted Working Space, Add	*747.04*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	141.21	78.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.95*	
		For Work In Restricted Working Space, Add	*35.47*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	152.72	86.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.19*	
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	149.70	84.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.60*	
		For Work In Restricted Working Space, Add	*38.02*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	166.66	95.84
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.91*	
		For Work In Restricted Working Space, Add	*43.10*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	158.18	90.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.26*	
		For Work In Restricted Working Space, Add	*40.56*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	155.16	88.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.67*	
		For Work In Restricted Working Space, Add	*39.65*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	186.29	114.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.87*	
		For Work In Restricted Working Space, Add	*51.47*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	180.83	110.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.81*	
		For Work In Restricted Working Space, Add	*49.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	177.99	105.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.85*	
		For Work In Restricted Working Space, Add	*47.29*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	237.12	145.58
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.22*	
		For Work In Restricted Working Space, Add	*65.48*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	219.77	130.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.37*	
		For Work In Restricted Working Space, Add	*58.75*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	222.41	126.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.74*	
		For Work In Restricted Working Space, Add	*57.11*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	260.27	163.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.36*	
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	261.41	163.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.70*	
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	263.86	163.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.43*	
		For Work In Restricted Working Space, Add	*73.50*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	445.13	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.86*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	449.47	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.16*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	449.47	283.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.16*	
		For Work In Restricted Working Space, Add	*127.66*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	734.11	462.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*147.47*	
		For Work In Restricted Working Space, Add	*207.90*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	742.78	462.17
		For Schedule 80 Or Extra Heavy Fittings, Add	*150.07*	
		For Work In Restricted Working Space, Add	*207.90*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,108.50	703.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*221.82*	
		For Work In Restricted Working Space, Add	*316.37*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,123.96	703.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*226.46*	
		For Work In Restricted Working Space, Add	*316.37*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,317.39	808.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*267.88*	
		For Work In Restricted Working Space, Add	*363.82*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,310.98	808.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*265.96*	
		For Work In Restricted Working Space, Add	*363.82*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,391.68	808.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*290.17*	
		For Work In Restricted Working Space, Add	*363.82*	
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,549.58	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*315.75*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,568.96	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*321.56*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,575.97	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*323.67*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,781.69	947.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*385.38*	
		For Work In Restricted Working Space, Add	*426.07*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,854.68	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*382.09*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,926.51	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*403.64*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,988.93	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*422.37*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0601	EA	14" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,230.13	1,107.23
		For Schedule 80 Or Extra Heavy Fittings, Add	*494.73*	
		For Work In Restricted Working Space, Add	*498.03*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,208.12	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*466.34*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,208.12	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*466.34*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,243.95	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*477.09*	
		For Work In Restricted Working Space, Add	*560.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,362.93	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*512.78*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,855.66	1,245.72
		For Schedule 80 Or Extra Heavy Fittings, Add	*660.60*	
		For Work In Restricted Working Space, Add	*560.28*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,506.40	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*527.81*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,598.23	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*555.36*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,636.70	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*566.90*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,741.34	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*598.29*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,943.89	1,423.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*959.06*	
		For Work In Restricted Working Space, Add	*640.32*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,048.24	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*661.44*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,048.24	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*661.44*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,074.45	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*669.31*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,229.63	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*715.86*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,499.63	1,607.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*796.86*	
		For Work In Restricted Working Space, Add	*722.94*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,212.30	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*702.23*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,228.70	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*707.15*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,260.75	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*716.76*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,002.90	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*939.41*	
		For Work In Restricted Working Space, Add	*747.04*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,149.41	1,660.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*983.36*	
		For Work In Restricted Working Space, Add	*747.04*	

23 21 13 23-0622 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	71.41	40.50
		For Schedule 80 Fittings, Add	*13.84*	
		For Work In Restricted Working Space, Add	*18.19*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	78.16	44.50
		For Schedule 80 Fittings, Add	*15.11*	
		For Work In Restricted Working Space, Add	*20.01*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	81.25	46.09
		For Schedule 80 Fittings, Add	*15.74*	
		For Work In Restricted Working Space, Add	*20.74*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	101.29	59.06
		For Schedule 80 Fittings, Add	*19.32*	
		For Work In Restricted Working Space, Add	*26.57*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	120.08	71.18
		For Schedule 80 Fittings, Add	*22.68*	
		For Work In Restricted Working Space, Add	*32.02*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	140.65	82.10
		For Schedule 80 Fittings, Add	*26.80*	
		For Work In Restricted Working Space, Add	*36.94*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	236.09	141.89
		For Schedule 80 Fittings, Add	*44.23*	
		For Work In Restricted Working Space, Add	*63.83*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	395.80	234.43
		For Schedule 80 Fittings, Add	*74.80*	
		For Work In Restricted Working Space, Add	*105.46*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	559.14	328.65
		For Schedule 80 Fittings, Add	*106.16*	
		For Work In Restricted Working Space, Add	*147.80*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	738.51	414.88
		For Schedule 80 Fittings, Add	*143.81*	
		For Work In Restricted Working Space, Add	*186.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	840.71	463.51
		For Schedule 80 Fittings, Add	*165.35*	
		For Work In Restricted Working Space, Add	*208.48*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,104.10	553.61
		For Schedule 80 Fittings, Add	*227.47*	
		For Work In Restricted Working Space, Add	*249.02*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,282.25	642.92
		For Schedule 80 Fittings, Add	*264.19*	
		For Work In Restricted Working Space, Add	*289.18*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,433.32	711.87
		For Schedule 80 Fittings, Add	*296.60*	
		For Work In Restricted Working Space, Add	*320.16*	

23 21 13 23-0637 150 Lb., Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	182.37	91.44
		For 300 Lb. Rating, Add	*46.09*	
		For Work In Restricted Working Space, Add	*41.13*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	216.35	114.12
		For 300 Lb. Rating, Add	*49.66*	
		For Work In Restricted Working Space, Add	*51.32*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	240.94	130.49
		For 300 Lb. Rating, Add	*52.27*	
		For Work In Restricted Working Space, Add	*58.68*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	315.78	172.09
		For 300 Lb. Rating, Add	*67.52*	
		For Work In Restricted Working Space, Add	*77.41*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	480.07	260.98
		For 300 Lb. Rating, Add	*103.28*	
		For Work In Restricted Working Space, Add	*117.36*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	542.95	269.39
		For 300 Lb. Rating, Add	*139.80*	
		For Work In Restricted Working Space, Add	*121.14*	
23 21 13 23-0644	EA	10", 150 Lb., Welded Plain End Black Steel Neck Flange	709.79	337.78
		For 300 Lb. Rating, Add	*195.50*	
		For Work In Restricted Working Space, Add	*151.94*	
23 21 13 23-0645	EA	12", 150 Lb., Welded Plain End Black Steel Neck Flange	871.11	383.29
		For 300 Lb. Rating, Add	*267.86*	
		For Work In Restricted Working Space, Add	*172.40*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,144.97	463.51
		For 300 Lb. Rating, Add	*388.00*	
		For Work In Restricted Working Space, Add	*208.48*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,510.75	538.67
		For 300 Lb. Rating, Add	*577.00*	
		For Work In Restricted Working Space, Add	*242.28*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,881.66	603.95
		For 300 Lb. Rating, Add	*778.38*	
		For Work In Restricted Working Space, Add	*271.65*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,385.63	766.58
		For 300 Lb. Rating, Add	*986.11*	
		For Work In Restricted Working Space, Add	*344.79*	
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,713.19	830.48
		For 300 Lb. Rating, Add	*1,158.42*	
		For Work In Restricted Working Space, Add	*373.52*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	129.32	91.44
		For 300 Lb. Rating, Add	*29.61*	
		For Work In Restricted Working Space, Add	*32.75*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	159.29	114.12
		For 300 Lb. Rating, Add	*37.31*	
		For Work In Restricted Working Space, Add	*40.02*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	188.13	130.49
		For 300 Lb. Rating, Add	*43.99*	
		For Work In Restricted Working Space, Add	*47.30*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	247.75	172.09
		For 300 Lb. Rating, Add	*59.07*	
		For Work In Restricted Working Space, Add	*61.85*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	367.17	260.98
		For 300 Lb. Rating, Add	*89.42*	
		For Work In Restricted Working Space, Add	*90.95*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	465.13	269.39
		For 300 Lb. Rating, Add	*126.23*	
		For Work In Restricted Working Space, Add	*110.33*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	627.77	337.78
		For 300 Lb. Rating, Add	*199.52*	
		For Work In Restricted Working Space, Add	*137.91*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	816.82	383.29
		For 300 Lb. Rating, Add	*296.57*	
		For Work In Restricted Working Space, Add	*165.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	1,031.01	463.51
		For 300 Lb. Rating, Add	*416.25*	
		For Work In Restricted Working Space, Add	*193.08*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,234.17	538.67
		For 300 Lb. Rating, Add	*544.27*	
		For Work In Restricted Working Space, Add	*213.77*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,366.37	603.95
		For 300 Lb. Rating, Add	*608.42*	
		For Work In Restricted Working Space, Add	*234.46*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,515.26	766.58
		For 300 Lb. Rating, Add	*687.60*	
		For Work In Restricted Working Space, Add	*255.14*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,735.33	830.48
		For 300 Lb. Rating, Add	*776.03*	
		For Work In Restricted Working Space, Add	*296.52*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	90.54	32.50
		For 300 Lb. Rating, Add	*27.26*	
		For 600 Lb. Rating, Add	*71.07*	
		For Work In Restricted Working Space, Add	*19.50*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	119.42	38.99
		For 300 Lb. Rating, Add	*41.33*	
		For 600 Lb. Rating, Add	*111.13*	
		For Work In Restricted Working Space, Add	*23.40*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	146.85	52.00
		For 300 Lb. Rating, Add	*45.21*	
		For 600 Lb. Rating, Add	*118.46*	
		For Work In Restricted Working Space, Add	*31.20*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	189.06	64.99
		For 300 Lb. Rating, Add	*60.90*	
		For 600 Lb. Rating, Add	*161.27*	
		For Work In Restricted Working Space, Add	*39.00*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	258.49	84.50
		For 300 Lb. Rating, Add	*89.35*	
		For 600 Lb. Rating, Add	*240.17*	
		For Work In Restricted Working Space, Add	*50.69*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	336.97	97.49
		For 300 Lb. Rating, Add	*134.06*	
		For 600 Lb. Rating, Add	*370.02*	
		For Work In Restricted Working Space, Add	*58.49*	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	511.26	116.98
		For 300 Lb. Rating, Add	*246.39*	
		For 600 Lb. Rating, Add	*700.57*	
		For Work In Restricted Working Space, Add	*70.19*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	665.42	136.49
		For 300 Lb. Rating, Add	*342.62*	
		For 600 Lb. Rating, Add	*982.83*	
		For Work In Restricted Working Space, Add	*81.89*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	1,120.01	155.99
		For 300 Lb. Rating, Add	*679.19*	
		For Work In Restricted Working Space, Add	*93.59*	
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,202.68	175.48
		For 300 Lb. Rating, Add	*718.23*	
		For Work In Restricted Working Space, Add	*105.29*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,354.04	214.48
		For 300 Lb. Rating, Add	*785.10*	
		For Work In Restricted Working Space, Add	*128.69*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,734.56	233.98
		For 300 Lb. Rating, Add	*1,062.42*	
		For Work In Restricted Working Space, Add	*140.39*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,359.30	272.97
		For 300 Lb. Rating, Add	*1,508.00*	
		For Work In Restricted Working Space, Add	*163.79*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	82.84	
		For Work In Restricted Working Space, Add	*22.92*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	87.60	
		For Work In Restricted Working Space, Add	*24.01*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	93.38	
		For Work In Restricted Working Space, Add	*25.47*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	102.99	
		For Work In Restricted Working Space, Add	*27.29*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	115.72	
		For Work In Restricted Working Space, Add	*30.93*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	149.79	
		For Work In Restricted Working Space, Add	*40.43*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	227.83	
		For Work In Restricted Working Space, Add	*51.98*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	314.76	
		For Work In Restricted Working Space, Add	*72.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	416.03	
		For Work In Restricted Working Space, Add	*90.95*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	94.70	
		For Work In Restricted Working Space, Add	*26.45*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	100.09	
		For Work In Restricted Working Space, Add	*27.73*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	105.62	
		For Work In Restricted Working Space, Add	*29.11*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	120.01	
		For Work In Restricted Working Space, Add	*32.34*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	134.09	
		For Work In Restricted Working Space, Add	*36.38*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	178.95	
		For Work In Restricted Working Space, Add	*48.50*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	249.41	
		For Work In Restricted Working Space, Add	*58.21*	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	327.94	
		For Work In Restricted Working Space, Add	*76.40*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	437.93	
		For Work In Restricted Working Space, Add	*97.03*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	636.97	
		For Work In Restricted Working Space, Add	*145.53*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	934.12	
		For Work In Restricted Working Space, Add	*194.03*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,154.89	
		For Work In Restricted Working Space, Add	*223.90*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,658.05	
		For Work In Restricted Working Space, Add	*264.61*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	112.22	
		For Work In Restricted Working Space, Add	*31.61*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	118.51	
		For Work In Restricted Working Space, Add	*33.14*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	126.15	
		For Work In Restricted Working Space, Add	*35.15*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	138.29	
		For Work In Restricted Working Space, Add	*37.66*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	155.66	
		For Work In Restricted Working Space, Add	*42.68*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	202.65	
		For Work In Restricted Working Space, Add	*55.77*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	296.96	
		For Work In Restricted Working Space, Add	*71.71*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	411.36	
		For Work In Restricted Working Space, Add	*100.42*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	538.17	
		For Work In Restricted Working Space, Add	*125.52*	

23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.53	
		For Zinc Plated, Add	*4.63*	
		For Hot Dip Galvanized, Add	*6.61*	
		For Advanced Fluoropolymer (Blue Coating), Add	*11.57*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.97	
		For Zinc Plated, Add	*5.87*	
		For Hot Dip Galvanized, Add	*8.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.68*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	21.20	
		For Zinc Plated, Add	*5.94*	
		For Hot Dip Galvanized, Add	*8.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.84*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	21.31	
		For Zinc Plated, Add	*5.97*	
		For Hot Dip Galvanized, Add	*8.52*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.92*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	50.27	
		For Zinc Plated, Add	*14.08*	
		For Hot Dip Galvanized, Add	*20.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*35.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	67.91	
		For Zinc Plated, Add	*19.01*	
		For Hot Dip Galvanized, Add	*27.16*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.54*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	77.69	
		For Zinc Plated, Add	*21.75*	
		For Hot Dip Galvanized, Add	*31.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*54.38*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	86.21	
		For Zinc Plated, Add	*24.14*	
		For Hot Dip Galvanized, Add	*34.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.35*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	186.69	
		For Zinc Plated, Add	*52.27*	
		For Hot Dip Galvanized, Add	*74.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*130.68*	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	192.87	
		For Zinc Plated, Add	*54.00*	
		For Hot Dip Galvanized, Add	*77.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*135.01*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	216.62	
		For Zinc Plated, Add	*60.65*	
		For Hot Dip Galvanized, Add	*86.65*	
		For Advanced Fluoropolymer (Blue Coating), Add	*151.63*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	354.20	
		For Zinc Plated, Add	*99.18*	
		For Hot Dip Galvanized, Add	*141.68*	
		For Advanced Fluoropolymer (Blue Coating), Add	*247.94*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	505.54	
		For Zinc Plated, Add	*141.55*	
		For Hot Dip Galvanized, Add	*202.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*353.88*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	639.25	
		For Zinc Plated, Add	*178.99*	
		For Hot Dip Galvanized, Add	*255.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*447.48*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	906.19	
		For Zinc Plated, Add	*253.73*	
		For Hot Dip Galvanized, Add	*362.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*634.33*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.	1,428.72	
		For Zinc Plated, Add	*400.04*	
		For Hot Dip Galvanized, Add	*571.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,000.10*	
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	1,969.32	
		For Zinc Plated, Add	*551.41*	
		For Hot Dip Galvanized, Add	*787.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,378.52*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	26.60	
		For Zinc Plated, Add	*7.45*	
		For Hot Dip Galvanized, Add	*10.64*	
		For Advanced Fluoropolymer (Blue Coating), Add	*18.62*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	48.65	
		For Zinc Plated, Add	*13.62*	
		For Hot Dip Galvanized, Add	*19.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*34.06*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	75.61	
		For Zinc Plated, Add	*21.17*	
		For Hot Dip Galvanized, Add	*30.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.93*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	82.15	
		For Zinc Plated, Add	*23.00*	
		For Hot Dip Galvanized, Add	*32.86*	
		For Advanced Fluoropolymer (Blue Coating), Add	*57.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	92.17	
		For Zinc Plated, Add	*25.81*	
		For Hot Dip Galvanized, Add	*36.87*	
		For Advanced Fluoropolymer (Blue Coating), Add	*64.52*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	106.00	
		For Zinc Plated, Add	*29.68*	
		For Hot Dip Galvanized, Add	*42.40*	
		For Advanced Fluoropolymer (Blue Coating), Add	*74.20*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	145.48	
		For Zinc Plated, Add	*40.73*	
		For Hot Dip Galvanized, Add	*58.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*101.84*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	223.52	
		For Zinc Plated, Add	*62.59*	
		For Hot Dip Galvanized, Add	*89.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*156.46*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	396.10	
		For Zinc Plated, Add	*110.91*	
		For Hot Dip Galvanized, Add	*158.44*	
		For Advanced Fluoropolymer (Blue Coating), Add	*277.27*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	564.62	
		For Zinc Plated, Add	*158.09*	
		For Hot Dip Galvanized, Add	*225.85*	
		For Advanced Fluoropolymer (Blue Coating), Add	*395.23*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	768.19	
		For Zinc Plated, Add	*215.09*	
		For Hot Dip Galvanized, Add	*307.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*537.73*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	1,051.93	
		For Zinc Plated, Add	*294.54*	
		For Hot Dip Galvanized, Add	*420.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*736.35*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,355.97	
		For Zinc Plated, Add	*379.67*	
		For Hot Dip Galvanized, Add	*542.39*	
		For Advanced Fluoropolymer (Blue Coating), Add	*949.18*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,443.72	
		For Zinc Plated, Add	*404.24*	
		For Hot Dip Galvanized, Add	*577.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,010.60*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,840.31	
		For Zinc Plated, Add	*515.29*	
		For Hot Dip Galvanized, Add	*736.12*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,288.22*	
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,912.40	
		For Zinc Plated, Add	*815.47*	
		For Hot Dip Galvanized, Add	*1,164.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,038.68*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	4,124.47	
		For Zinc Plated, Add	*1,154.85*	
		For Hot Dip Galvanized, Add	*1,649.79*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,887.13*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.53	
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.44	
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.54	
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	57.65	
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	124.45	
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	154.51	
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	178.58	
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	181.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	460.88	
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	465.55	
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	700.22	
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	931.62	
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	2,395.64	
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,778.17	
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	3,209.47	

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	36.45	
		For 300 Lb. Rating Gasket Set, Add	*0.19*	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	39.04	
		For 300 Lb. Rating Gasket Set, Add	*0.26*	
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	43.16	
		For 300 Lb. Rating Gasket Set, Add	*0.44*	
		For Work In Restricted Working Space, Add	*12.57*	
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	46.94	
		For 300 Lb. Rating Gasket Set, Add	*0.51*	
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	52.09	
		For 300 Lb. Rating Gasket Set, Add	*0.64*	
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	57.61	
		For 300 Lb. Rating Gasket Set, Add	*0.89*	
		For Work In Restricted Working Space, Add	*16.52*	
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	68.09	
		For 300 Lb. Rating Gasket Set, Add	*1.21*	
		For Work In Restricted Working Space, Add	*19.39*	
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	72.23	
		For 300 Lb. Rating Gasket Set, Add	*1.40*	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	96.32	
		For 300 Lb. Rating Gasket Set, Add	*2.29*	
		For Work In Restricted Working Space, Add	*26.93*	
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	111.41	
		For 300 Lb. Rating Gasket Set, Add	*2.54*	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	127.96	
		For 300 Lb. Rating Gasket Set, Add	*3.31*	
		For Work In Restricted Working Space, Add	*35.55*	
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	157.47	
		For 300 Lb. Rating Gasket Set, Add	*4.84*	
		For Work In Restricted Working Space, Add	*43.10*	
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	172.85	
		For 300 Lb. Rating Gasket Set, Add	*6.87*	
		For Work In Restricted Working Space, Add	*45.97*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	198.67	
		For 300 Lb. Rating Gasket Set, Add	*8.78*	
		For Work In Restricted Working Space, Add	*52.07*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	209.55	
		For 300 Lb. Rating Gasket Set, Add	*10.50*	
		For Work In Restricted Working Space, Add	*53.87*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	272.86	
		For 300 Lb. Rating Gasket Set, Add	*11.71*	
		For Work In Restricted Working Space, Add	*71.82*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	297.04	
		For 300 Lb. Rating Gasket Set, Add	*12.22*	
		For Work In Restricted Working Space, Add	*78.64*	
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement	357.04	
		For 300 Lb. Rating Gasket Set, Add	*13.11*	
		For Work In Restricted Working Space, Add	*95.88*	

23 21 13 23-0784 150 Lb., Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0785	EA	1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	41.21	
		For 300 Lb., Add	*0.40*	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0786	EA	3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	43.69	
		For 300 Lb., Add	*0.40*	
		For Work In Restricted Working Space, Add	*11.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0787	EA	1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	47.32	
		For 300 Lb., Add	*0.41*	
		For Work In Restricted Working Space, Add	*12.57*	
23 21 13 23-0788	EA	1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	51.74	
		For 300 Lb., Add	*0.47*	
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-0789	EA	1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	56.66	
		For 300 Lb., Add	*0.48*	
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-0790	EA	2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	61.75	
		For 300 Lb., Add	*0.50*	
		For Work In Restricted Working Space, Add	*16.52*	
23 21 13 23-0791	EA	2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	71.91	
		For 300 Lb., Add	*0.55*	
		For Work In Restricted Working Space, Add	*19.39*	
23 21 13 23-0792	EA	3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	76.08	
		For 300 Lb., Add	*0.59*	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0793	EA	4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	99.81	
		For 300 Lb., Add	*0.75*	
		For Work In Restricted Working Space, Add	*26.93*	
23 21 13 23-0794	EA	5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	116.53	
		For 300 Lb., Add	*0.93*	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-0795	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	132.28	
		For 300 Lb., Add	*1.03*	
		For Work In Restricted Working Space, Add	*35.56*	
23 21 13 23-0796	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	160.09	
		For 300 Lb., Add	*1.23*	
		For Work In Restricted Working Space, Add	*43.10*	
23 21 13 23-0797	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	175.88	
		For 300 Lb., Add	*1.70*	
		For Work In Restricted Working Space, Add	*45.97*	
23 21 13 23-0798	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	207.71	
		For 300 Lb., Add	*2.56*	
		For Work In Restricted Working Space, Add	*52.08*	

23 21 13 23-0799 150 Lb., Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

23 21 13 23-0800	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	36.97	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0801	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	40.07	
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-0802	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement	43.91	
		For Work In Restricted Working Space, Add	*12.57*	
23 21 13 23-0803	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	48.36	
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-0804	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	53.33	
		For Work In Restricted Working Space, Add	*15.08*	
23 21 13 23-0805	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement	59.09	
		For Work In Restricted Working Space, Add	*16.52*	
23 21 13 23-0806	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	70.07	
		For Work In Restricted Working Space, Add	*19.39*	
23 21 13 23-0807	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement	73.95	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0808	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement	99.04	
		For Work In Restricted Working Space, Add	*26.93*	
23 21 13 23-0809	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement	115.17	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-0810	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement	130.81	
		For Work In Restricted Working Space, Add	*35.56*	
23 21 13 23-0811	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement	164.35	
		For Work In Restricted Working Space, Add	*43.10*	
23 21 13 23-0812	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement	183.25	
		For Work In Restricted Working Space, Add	*45.97*	
23 21 13 23-0813	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement	210.71	
		For Work In Restricted Working Space, Add	*52.08*	

23 21 13 23-0814 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.

23 21 13 23-0815	EA	1/2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	57.37	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0816	EA	3/4", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	61.23	
		For Work In Restricted Working Space, Add	*11.49*	
23 21 13 23-0817	EA	1", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	66.30	
		For Work In Restricted Working Space, Add	*12.57*	
23 21 13 23-0818	EA	1-1/4", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	75.05	
		For Work In Restricted Working Space, Add	*13.65*	
23 21 13 23-0819	EA	1-1/2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	80.82	
		For Work In Restricted Working Space, Add	*15.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0820	EA	2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	88.16	
		For Work In Restricted Working Space, Add	*16.52*	
23 21 13 23-0821	EA	2-1/2", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	102.47	
		For Work In Restricted Working Space, Add	*19.39*	
23 21 13 23-0822	EA	3", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	116.23	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 13 23-0823	EA	4", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	146.93	
		For Work In Restricted Working Space, Add	*26.93*	
23 21 13 23-0824	EA	5", 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement	175.33	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-0825	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	228.85	
		For Work In Restricted Working Space, Add	*35.56*	
23 21 13 23-0826	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	252.64	
		For Work In Restricted Working Space, Add	*43.10*	
23 21 13 23-0827	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	287.28	
		For Work In Restricted Working Space, Add	*45.97*	
23 21 13 23-0828	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	376.04	
		For Work In Restricted Working Space, Add	*52.08*	

23 21 13 23-0829 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0830	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.99	
		For Work In Restricted Working Space, Add	*7.80*	
23 21 13 23-0831	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	28.07	
		For Work In Restricted Working Space, Add	*8.42*	
23 21 13 23-0832	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.57	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-0833	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.13	
		For Work In Restricted Working Space, Add	*9.94*	
23 21 13 23-0834	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.08	
		For Work In Restricted Working Space, Add	*10.52*	
23 21 13 23-0835	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.68	
		For Work In Restricted Working Space, Add	*11.30*	
23 21 13 23-0836	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	40.29	
		For Work In Restricted Working Space, Add	*12.09*	
23 21 13 23-0837	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	44.18	
		For Work In Restricted Working Space, Add	*13.25*	
23 21 13 23-0838	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	48.07	
		For Work In Restricted Working Space, Add	*14.42*	
23 21 13 23-0839	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	51.98	
		For Work In Restricted Working Space, Add	*15.59*	
23 21 13 23-0840	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.87	
		For Work In Restricted Working Space, Add	*16.76*	
23 21 13 23-0841	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	61.07	
		For Work In Restricted Working Space, Add	*18.32*	
23 21 13 23-0842	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	66.27	
		For Work In Restricted Working Space, Add	*19.88*	
23 21 13 23-0843	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	71.47	
		For Work In Restricted Working Space, Add	*21.44*	
23 21 13 23-0844	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.67	
		For Work In Restricted Working Space, Add	*23.00*	
23 21 13 23-0845	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	80.56	
		For Work In Restricted Working Space, Add	*24.17*	
23 21 13 23-0846	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	84.46	
		For Work In Restricted Working Space, Add	*25.34*	
23 21 13 23-0847	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	89.66	
		For Work In Restricted Working Space, Add	*26.90*	

23 21 13 23-0848 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0849	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	28.13	13.34
		For Work In Restricted Working Space, Add	*6.55*	
23 21 13 23-0850	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	31.50	14.55
		For Work In Restricted Working Space, Add	*6.55*	
23 21 13 23-0851	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	33.33	14.31
		For Work In Restricted Working Space, Add	*6.42*	
23 21 13 23-0852	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	41.66	18.19
		For Work In Restricted Working Space, Add	*8.18*	
23 21 13 23-0853	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	68.23	26.92
		For Work In Restricted Working Space, Add	*12.10*	
23 21 13 23-0854	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	86.48	31.37
		For Work In Restricted Working Space, Add	*14.14*	
23 21 13 23-0855	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	117.09	39.08
		For Work In Restricted Working Space, Add	*17.58*	
23 21 13 23-0856	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	142.16	47.12
		For Work In Restricted Working Space, Add	*21.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0857	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	181.45	61.14
		For Work In Restricted Working Space, Add	*27.51*	

23 21 13 23-0858 Welded Plain End Black Steel Half Coupling *(23 21 13 23-0393)*

Note: Threaded Female x Butt Weld Straight Adapter

23 21 13 23-0859	EA	1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	66.47	43.41
		For Schedule 80 Fittings, Add	*11.80*	
		For Work In Restricted Working Space, Add	*19.54*	
23 21 13 23-0860	EA	3/4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	77.51	50.45
		For Schedule 80 Fittings, Add	*13.79*	
		For Work In Restricted Working Space, Add	*22.70*	
23 21 13 23-0861	EA	1", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	83.70	53.97
		For Schedule 80 Fittings, Add	*15.00*	
		For Work In Restricted Working Space, Add	*24.27*	
23 21 13 23-0862	EA	1-1/4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	95.46	61.37
		For Schedule 80 Fittings, Add	*17.13*	
		For Work In Restricted Working Space, Add	*27.62*	
23 21 13 23-0863	EA	1-1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	104.81	66.94
		For Schedule 80 Fittings, Add	*18.89*	
		For Work In Restricted Working Space, Add	*30.12*	
23 21 13 23-0864	EA	2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	135.72	86.59
		For Schedule 80 Fittings, Add	*24.49*	
		For Work In Restricted Working Space, Add	*38.93*	
23 21 13 23-0865	EA	2-1/2", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	185.71	113.27
		For Schedule 80 Fittings, Add	*34.49*	
		For Work In Restricted Working Space, Add	*50.93*	
23 21 13 23-0866	EA	3", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	211.50	124.54
		For Schedule 80 Fittings, Add	*40.12*	
		For Work In Restricted Working Space, Add	*55.99*	
23 21 13 23-0867	EA	4", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	316.94	188.82
		For Schedule 80 Fittings, Add	*59.68*	
		For Work In Restricted Working Space, Add	*84.95*	
23 21 13 23-0868	EA	6", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	517.98	285.24
		For Schedule 80 Fittings, Add	*101.93*	
		For Work In Restricted Working Space, Add	*128.32*	
23 21 13 23-0869	EA	8", Schedule 40, Black Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	721.47	400.93
		For Schedule 80 Fittings, Add	*141.30*	
		For Work In Restricted Working Space, Add	*180.35*	

23 21 13 23-0870 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0871 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0870)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0872 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0873	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	323.64	55.87
		For Galvanized Fittings, Add	*191.90*	
		For Extra Heavy Weight Fittings, Add	*287.86*	
23 21 13 23-0874	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	360.93	62.22
		For Galvanized Fittings, Add	*214.08*	
		For Extra Heavy Weight Fittings, Add	*321.12*	
23 21 13 23-0875	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	363.26	68.68
		For Galvanized Fittings, Add	*208.30*	
		For Extra Heavy Weight Fittings, Add	*312.44*	
23 21 13 23-0876	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	455.96	79.80
		For Galvanized Fittings, Add	*269.05*	
		For Extra Heavy Weight Fittings, Add	*403.57*	
23 21 13 23-0877	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	622.19	89.37
		For Galvanized Fittings, Add	*390.55*	
		For Extra Heavy Weight Fittings, Add	*585.83*	
23 21 13 23-0878	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	664.21	103.74
		For Galvanized Fittings, Add	*406.94*	
		For Extra Heavy Weight Fittings, Add	*610.42*	
23 21 13 23-0879	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	831.28	114.86
		For Galvanized Fittings, Add	*527.19*	
		For Extra Heavy Weight Fittings, Add	*790.79*	

23 21 13 23-0880 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0881	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	573.12	59.11
		For Galvanized Fittings, Add	*387.66*	
		For Extra Heavy Weight Fittings, Add	*581.50*	
23 21 13 23-0882	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	599.56	65.45
		For Galvanized Fittings, Add	*401.16*	
		For Extra Heavy Weight Fittings, Add	*601.74*	
23 21 13 23-0883	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	741.70	74.18
		For Galvanized Fittings, Add	*504.34*	
		For Extra Heavy Weight Fittings, Add	*756.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0884	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	909.19	78.97
		For Galvanized Fittings, Add	*632.60*	
		For Extra Heavy Weight Fittings, Add	*948.90*	
23 21 13 23-0885	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,036.84	91.77
		For Galvanized Fittings, Add	*719.39*	
		For Extra Heavy Weight Fittings, Add	*1,079.09*	
23 21 13 23-0886	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,433.22	109.35
		For Galvanized Fittings, Add	*1,015.44*	
		For Extra Heavy Weight Fittings, Add	*1,523.16*	
23 21 13 23-0887		**Flanged Steel, 45 Degree Elbows** *(23 21 13 23-0871)*		
23 21 13 23-0888	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	410.43	55.87
		For Galvanized Fittings, Add	*261.34*	
		For Extra Heavy Weight Fittings, Add	*392.00*	
23 21 13 23-0889	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	430.85	62.22
		For Galvanized Fittings, Add	*270.02*	
		For Extra Heavy Weight Fittings, Add	*405.02*	
23 21 13 23-0890	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	450.05	68.68
		For Galvanized Fittings, Add	*277.73*	
		For Extra Heavy Weight Fittings, Add	*416.59*	
23 21 13 23-0891	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	557.21	79.80
		For Galvanized Fittings, Add	*350.05*	
		For Extra Heavy Weight Fittings, Add	*525.07*	
23 21 13 23-0892	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	786.13	89.37
		For Galvanized Fittings, Add	*521.70*	
		For Extra Heavy Weight Fittings, Add	*782.56*	
23 21 13 23-0893	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	777.52	103.74
		For Galvanized Fittings, Add	*497.59*	
		For Extra Heavy Weight Fittings, Add	*746.39*	
23 21 13 23-0894	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	911.97	114.86
		For Galvanized Fittings, Add	*591.74*	
		For Extra Heavy Weight Fittings, Add	*887.62*	
23 21 13 23-0895		**Flanged Steel, Tees** *(23 21 13 23-0871)*		
23 21 13 23-0896	EA	2" Standard Weight, Flanged Steel, Tee	423.37	83.76
		For Galvanized Fittings, Add	*238.19*	
		For Extra Heavy Weight Fittings, Add	*357.29*	
23 21 13 23-0897	EA	2-1/2" Standard Weight, Flanged Steel, Tee	536.56	93.32
		For Galvanized Fittings, Add	*317.26*	
		For Extra Heavy Weight Fittings, Add	*475.90*	
23 21 13 23-0898	EA	3" Standard Weight, Flanged Steel, Tee	501.51	102.89
		For Galvanized Fittings, Add	*277.74*	
		For Extra Heavy Weight Fittings, Add	*416.60*	
23 21 13 23-0899	EA	4" Standard Weight, Flanged Steel, Tee	697.77	119.76
		For Galvanized Fittings, Add	*414.65*	
		For Extra Heavy Weight Fittings, Add	*621.97*	
23 21 13 23-0900	EA	5" Standard Weight, Flanged Steel, Tee	1,006.66	134.12
		For Galvanized Fittings, Add	*644.53*	
		For Extra Heavy Weight Fittings, Add	*966.79*	
23 21 13 23-0901	EA	6" Standard Weight, Flanged Steel, Tee	1,223.10	155.66
		For Galvanized Fittings, Add	*791.84*	
		For Extra Heavy Weight Fittings, Add	*1,187.76*	
23 21 13 23-0902	EA	8" Standard Weight, Flanged Steel, Tee	1,359.74	180.31
		For Galvanized Fittings, Add	*871.48*	
		For Extra Heavy Weight Fittings, Add	*1,307.22*	
23 21 13 23-0903		**Flanged Steel, Reducing Tees** *(23 21 13 23-0871)*		
23 21 13 23-0904	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	640.27	90.21
		For Galvanized Fittings, Add	*404.06*	
		For Extra Heavy Weight Fittings, Add	*606.08*	
23 21 13 23-0905	EA	3" Standard Weight, Flanged Steel, Reducing Tee	736.60	99.78
		For Galvanized Fittings, Add	*469.63*	
		For Extra Heavy Weight Fittings, Add	*704.45*	
23 21 13 23-0906	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,228.16	114.14
		For Galvanized Fittings, Add	*845.66*	
		For Extra Heavy Weight Fittings, Add	*1,268.48*	
23 21 13 23-0907	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,331.58	129.33
		For Galvanized Fittings, Add	*910.21*	
		For Extra Heavy Weight Fittings, Add	*1,365.31*	
23 21 13 23-0908	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,664.25	148.48
		For Galvanized Fittings, Add	*1,153.37*	
		For Extra Heavy Weight Fittings, Add	*1,730.05*	
23 21 13 23-0909	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,065.40	166.79
		For Galvanized Fittings, Add	*1,452.28*	
		For Extra Heavy Weight Fittings, Add	*2,178.42*	
23 21 13 23-0910		**Flanged Steel, Concentric Reducers** *(23 21 13 23-0871)*		
23 21 13 23-0911	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	592.33	65.45
		For Galvanized Fittings, Add	*395.38*	
		For Extra Heavy Weight Fittings, Add	*593.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0912	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	672.99	74.18
		For Galvanized Fittings, Add	*449.38*	
		For Extra Heavy Weight Fittings, Add	*674.06*	
23 21 13 23-0913	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	981.47	84.59
		For Galvanized Fittings, Add	*683.71*	
		For Extra Heavy Weight Fittings, Add	*1,025.57*	
23 21 13 23-0914	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,081.44	91.77
		For Galvanized Fittings, Add	*755.07*	
		For Extra Heavy Weight Fittings, Add	*1,132.61*	
23 21 13 23-0915	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,268.08	109.35
		For Galvanized Fittings, Add	*883.33*	
		For Extra Heavy Weight Fittings, Add	*1,324.99*	

23 21 13 23-0916 Flanged Steel, Eccentric Reducers *(23 21 13 23-0871)*

23 21 13 23-0917	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	642.62	74.18
		For Galvanized Fittings, Add	*425.08*	
		For Extra Heavy Weight Fittings, Add	*637.62*	
23 21 13 23-0918	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	862.61	84.59
		For Galvanized Fittings, Add	*588.62*	
		For Extra Heavy Weight Fittings, Add	*882.94*	

23 21 13 23-0919 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0920 Plain End Piping System Couplings *(23 21 13 23-0919)*

23 21 13 23-0921 Plainlock Plain End Piping System Couplings *(23 21 13 23-0920)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0922	EA	1" Plainlock Plain End Piping System Coupling	175.69	7.18
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0923	EA	1-1/2" Plainlock Plain End Piping System Coupling	179.88	9.93
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0924	EA	2" Plainlock Plain End Piping System Coupling	184.73	13.17
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0925	EA	2-1/2" Plainlock Plain End Piping System Coupling	188.86	15.91
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-0926	EA	3" Plainlock Plain End Piping System Coupling	223.35	19.14
		For Galvanized Fittings, Add	*38.93*	
23 21 13 23-0927	EA	4" Plainlock Plain End Piping System Coupling	307.96	25.49
		For Galvanized Fittings, Add	*53.93*	
23 21 13 23-0928	EA	6" Plainlock Plain End Piping System Coupling	517.58	41.52
		For Galvanized Fittings, Add	*91.07*	

23 21 13 23-0929 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0920)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0930	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	211.91	9.93
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0931	EA	2" Roust-A-Bout Plain End Piping System Coupling	216.76	13.17
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0932	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	220.90	16.03
		For Galvanized Fittings, Add	*49.24*	
23 21 13 23-0933	EA	3" Roust-A-Bout Plain End Piping System Coupling	320.45	19.14
		For Galvanized Fittings, Add	*72.94*	
23 21 13 23-0934	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	371.16	22.38
		For Galvanized Fittings, Add	*84.41*	
23 21 13 23-0935	EA	4" Roust-A-Bout Plain End Piping System Coupling	375.90	25.49
		For Galvanized Fittings, Add	*84.41*	
23 21 13 23-0936	EA	5" Roust-A-Bout Plain End Piping System Coupling	530.24	31.95
		For Galvanized Fittings, Add	*120.59*	
23 21 13 23-0937	EA	6" Roust-A-Bout Plain End Piping System Coupling	651.36	41.52
		For Galvanized Fittings, Add	*147.28*	
23 21 13 23-0938	EA	8" Roust-A-Bout Plain End Piping System Coupling	1,118.89	49.53
		For Galvanized Fittings, Add	*261.16*	
23 21 13 23-0939	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,447.02	58.62
		For Galvanized Fittings, Add	*339.76*	
23 21 13 23-0940	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,809.44	69.39
		For Galvanized Fittings, Add	*426.34*	
23 21 13 23-0941	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,536.63	76.69
		For Galvanized Fittings, Add	*605.40*	
23 21 13 23-0942	EA	16" Roust-A-Bout Plain End Piping System Coupling	3,446.22	86.75
		For Galvanized Fittings, Add	*829.04*	

23 21 13 23-0943 Plain End Piping System Fittings *(23 21 13 23-0919)*

Note: Cast ductile iron bodies.

23 21 13 23-0944 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0943)*

23 21 13 23-0945	EA	1" Plain End Piping System, 90 Degree Elbow	175.24	13.05
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	185.30	19.74
		For Galvanized Fittings, Add	*31.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0947	EA	2" Plain End Piping System, 90 Degree Elbow	194.79	26.08
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	203.32	31.83
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0949	EA	3" Plain End Piping System, 90 Degree Elbow	244.75	38.52
		For Galvanized Fittings, Add	*37.40*	
23 21 13 23-0950	EA	4" Plain End Piping System, 90 Degree Elbow	348.81	50.73
		For Galvanized Fittings, Add	*54.54*	
23 21 13 23-0951	EA	5" Plain End Piping System, 90 Degree Elbow	1,039.19	63.53
		For Galvanized Fittings, Add	*188.79*	
23 21 13 23-0952	EA	6" Plain End Piping System, 90 Degree Elbow	875.22	83.15
		For Galvanized Fittings, Add	*150.12*	
23 21 13 23-0953	EA	8" Plain End Piping System, 90 Degree Elbow	1,733.37	98.70
		For Galvanized Fittings, Add	*317.06*	
23 21 13 23-0954	EA	10" Plain End Piping System, 90 Degree Elbow	2,165.37	115.34
		For Galvanized Fittings, Add	*398.49*	
23 21 13 23-0955	EA	12" Plain End Piping System, 90 Degree Elbow	2,744.59	138.55
		For Galvanized Fittings, Add	*507.37*	

23 21 13 23-0956 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0943)*

23 21 13 23-0957	EA	1" Plain End Piping System, 45 Degree Elbow	175.24	13.05
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	185.30	19.74
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0959	EA	2" Plain End Piping System, 45 Degree Elbow	194.79	26.08
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	203.32	31.83
		For Galvanized Fittings, Add	*31.14*	
23 21 13 23-0961	EA	3" Plain End Piping System, 45 Degree Elbow	244.75	38.52
		For Galvanized Fittings, Add	*37.40*	
23 21 13 23-0962	EA	4" Plain End Piping System, 45 Degree Elbow	348.81	50.73
		For Galvanized Fittings, Add	*54.54*	
23 21 13 23-0963	EA	5" Plain End Piping System, 45 Degree Elbow	1,039.19	63.53
		For Galvanized Fittings, Add	*188.79*	
23 21 13 23-0964	EA	6" Plain End Piping System, 45 Degree Elbow	878.10	83.15
		For Galvanized Fittings, Add	*150.69*	
23 21 13 23-0965	EA	8" Plain End Piping System, 45 Degree Elbow	1,019.15	98.70
		For Galvanized Fittings, Add	*174.21*	
23 21 13 23-0966	EA	10" Plain End Piping System, 45 Degree Elbow	1,388.53	115.34
		For Galvanized Fittings, Add	*243.13*	
23 21 13 23-0967	EA	12" Plain End Piping System, 45 Degree Elbow	1,778.15	138.55
		For Galvanized Fittings, Add	*314.09*	

23 21 13 23-0968 Plain End Piping System, Tees *(23 21 13 23-0943)*

23 21 13 23-0969	EA	1" Plain End Piping System, Tee	239.26	19.74
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0970	EA	1-1/2" Plain End Piping System, Tee	254.09	29.67
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0971	EA	2" Plain End Piping System, Tee	267.18	38.41
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0972	EA	2-1/2" Plain End Piping System, Tee	280.20	47.02
		For Galvanized Fittings, Add	*41.93*	
23 21 13 23-0973	EA	3" Plain End Piping System, Tee	388.41	57.79
		For Galvanized Fittings, Add	*60.34*	
23 21 13 23-0974	EA	4" Plain End Piping System, Tee	531.62	74.78
		For Galvanized Fittings, Add	*83.92*	
23 21 13 23-0975	EA	5" Plain End Piping System, Tee	1,068.34	97.75
		For Galvanized Fittings, Add	*184.34*	
23 21 13 23-0976	EA	6" Plain End Piping System, Tee	1,321.08	122.40
		For Galvanized Fittings, Add	*227.51*	
23 21 13 23-0977	EA	8" Plain End Piping System, Tee	1,799.42	148.84
		For Galvanized Fittings, Add	*315.24*	
23 21 13 23-0978	EA	10" Plain End Piping System, Tee	2,667.11	173.48
		For Galvanized Fittings, Add	*481.40*	
23 21 13 23-0979	EA	12" Plain End Piping System, Tee	3,567.72	207.83
		For Galvanized Fittings, Add	*651.23*	

23 21 13 23-0980 Plain End Piping System, Reducing Tees *(23 21 13 23-0943)*

23 21 13 23-0981	EA	1-1/2" Plain End Piping System, Reducing Tee	462.08	31.83
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0982	EA	2" Plain End Piping System, Reducing Tee	471.93	38.41
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0983	EA	2-1/2" Plain End Piping System, Reducing Tee	484.95	47.02
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0984	EA	3" Plain End Piping System, Reducing Tee	501.10	57.79
		For Galvanized Fittings, Add	*82.88*	
23 21 13 23-0985	EA	4" Plain End Piping System, Reducing Tee	723.81	74.78
		For Galvanized Fittings, Add	*122.36*	
23 21 13 23-0986	EA	6" Plain End Piping System, Reducing Tee	1,222.38	122.40
		For Galvanized Fittings, Add	*207.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0987	EA	8" Plain End Piping System, Reducing Tee	1,591.36	148.84
		For Galvanized Fittings, Add	*273.63*	
23 21 13 23-0988	EA	10" Plain End Piping System, Reducing Tee	2,369.30	173.48
		For Galvanized Fittings, Add	*421.84*	
23 21 13 23-0989	EA	12" Plain End Piping System, Reducing Tee	3,482.50	207.83
		For Galvanized Fittings, Add	*634.19*	

23 21 13 23-0990 Plain End Piping System, Wyes *(23 21 13 23-0943)*

23 21 13 23-0991	EA	2" Plain End Piping System, Wye	671.62	38.41
		For Galvanized Fittings, Add	*122.82*	
23 21 13 23-0992	EA	2-1/2" Plain End Piping System, Wye	684.64	47.02
		For Galvanized Fittings, Add	*122.82*	
23 21 13 23-0993	EA	3" Plain End Piping System, Wye	776.97	57.79
		For Galvanized Fittings, Add	*138.05*	
23 21 13 23-0994	EA	4" Plain End Piping System, Wye	1,136.62	74.78
		For Galvanized Fittings, Add	*204.92*	
23 21 13 23-0995	EA	5" Plain End Piping System, Wye	1,393.42	97.75
		For Galvanized Fittings, Add	*249.36*	
23 21 13 23-0996	EA	6" Plain End Piping System, Wye	1,900.39	122.40
		For Galvanized Fittings, Add	*343.38*	
23 21 13 23-0997	EA	8" Plain End Piping System, Wye	2,446.70	148.84
		For Galvanized Fittings, Add	*444.70*	
23 21 13 23-0998	EA	10" Plain End Piping System, Wye	3,538.90	173.48
		For Galvanized Fittings, Add	*655.76*	
23 21 13 23-0999	EA	12" Plain End Piping System, Wye	5,366.12	207.83
		For Galvanized Fittings, Add	*1,010.91*	

23 21 13 23-1000 Plain End Piping System, Laterals *(23 21 13 23-0943)*

23 21 13 23-1001	EA	2" Plain End Piping System, Lateral	715.05	38.41
		For Galvanized Fittings, Add	*131.50*	
23 21 13 23-1002	EA	2-1/2" Plain End Piping System, Lateral	728.07	47.02
		For Galvanized Fittings, Add	*131.50*	
23 21 13 23-1003	EA	3" Plain End Piping System, Lateral	820.12	57.79
		For Galvanized Fittings, Add	*146.68*	
23 21 13 23-1004	EA	4" Plain End Piping System, Lateral	1,219.01	74.78
		For Galvanized Fittings, Add	*221.40*	
23 21 13 23-1005	EA	5" Plain End Piping System, Lateral	1,589.65	97.75
		For Galvanized Fittings, Add	*288.60*	
23 21 13 23-1006	EA	6" Plain End Piping System, Lateral	2,026.64	122.40
		For Galvanized Fittings, Add	*368.63*	
23 21 13 23-1007	EA	8" Plain End Piping System, Lateral	2,910.44	148.84
		For Galvanized Fittings, Add	*537.44*	
23 21 13 23-1008	EA	10" Plain End Piping System, Lateral	4,053.43	173.48
		For Galvanized Fittings, Add	*758.67*	
23 21 13 23-1009	EA	12" Plain End Piping System, Lateral	5,442.60	207.83
		For Galvanized Fittings, Add	*1,026.21*	

23 21 13 23-1010 Plain End Piping System, Crosses *(23 21 13 23-0943)*

23 21 13 23-1011	EA	2" Plain End Piping System, Cross	800.14	57.55
		For Galvanized Fittings, Add	*89.24*	
23 21 13 23-1012	EA	2-1/2" Plain End Piping System, Cross	819.63	70.47
		For Galvanized Fittings, Add	*89.24*	
23 21 13 23-1013	EA	3" Plain End Piping System, Cross	958.12	86.75
		For Galvanized Fittings, Add	*103.51*	
23 21 13 23-1014	EA	4" Plain End Piping System, Cross	1,305.62	112.11
		For Galvanized Fittings, Add	*142.20*	
23 21 13 23-1015	EA	5" Plain End Piping System, Cross	1,835.67	146.69
		For Galvanized Fittings, Add	*201.97*	
23 21 13 23-1016	EA	6" Plain End Piping System, Cross	2,407.86	183.05
		For Galvanized Fittings, Add	*266.68*	
23 21 13 23-1017	EA	8" Plain End Piping System, Cross	3,069.35	221.71
		For Galvanized Fittings, Add	*342.13*	
23 21 13 23-1018	EA	10" Plain End Piping System, Cross	4,381.92	259.15
		For Galvanized Fittings, Add	*499.18*	
23 21 13 23-1019	EA	12" Plain End Piping System, Cross	6,225.62	311.79
		For Galvanized Fittings, Add	*719.78*	

23 21 13 23-1020 Plain End Piping System, Adapter Nipples *(23 21 13 23-0943)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-1021	EA	1" Plain End Piping System, Adapter Nipple	43.43	7.18
		For Galvanized Fittings, Add	*8.17*	
23 21 13 23-1022	EA	1-1/2" Plain End Piping System, Adapter Nipple	48.52	9.93
		For Galvanized Fittings, Add	*8.39*	
23 21 13 23-1023	EA	2" Plain End Piping System, Adapter Nipple	53.24	13.17
		For Galvanized Fittings, Add	*8.39*	
23 21 13 23-1024	EA	2-1/2" Plain End Piping System, Adapter Nipple	63.25	15.91
		For Galvanized Fittings, Add	*9.83*	
23 21 13 23-1025	EA	3" Plain End Piping System, Adapter Nipple	77.31	19.14
		For Galvanized Fittings, Add	*12.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1026	EA	4" Plain End Piping System, Adapter Nipple	119.54	25.49
		For Galvanized Fittings, Add	*20.31*	
23 21 13 23-1027	EA	6" Plain End Piping System, Adapter Nipple	267.58	31.95
		For Galvanized Fittings, Add	*54.93*	
23 21 13 23-1028		**Plain End Piping System, Reducing (Swaged) Nipples** *(23 21 13 23-0943)*		
23 21 13 23-1029	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	135.49	17.11
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1030	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	140.29	20.34
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1031	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	145.13	23.57
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1032	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	143.95	22.85
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1033	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	148.66	25.96
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1034	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	153.43	29.07
		For Galvanized Fittings, Add	*27.44*	
23 21 13 23-1035	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	173.10	26.32
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-1036	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	177.35	29.07
		For Galvanized Fittings, Add	*33.42*	
23 21 13 23-1037	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	151.30	32.30
		For Galvanized Fittings, Add	*25.71*	
23 21 13 23-1038	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	160.57	38.52
		For Galvanized Fittings, Add	*25.71*	
23 21 13 23-1039	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	185.14	41.52
		For Galvanized Fittings, Add	*30.74*	
23 21 13 23-1040	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	237.03	32.66
		For Galvanized Fittings, Add	*47.00*	
23 21 13 23-1041	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	241.22	35.53
		For Galvanized Fittings, Add	*47.00*	
23 21 13 23-1042	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	200.43	38.76
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1043	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	204.54	41.52
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1044	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	209.42	44.75
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1045	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	214.08	47.86
		For Galvanized Fittings, Add	*35.59*	
23 21 13 23-1046	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	591.16	45.10
		For Galvanized Fittings, Add	*130.87*	
23 21 13 23-1047	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	480.56	50.97
		For Galvanized Fittings, Add	*101.02*	
23 21 13 23-1048	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	418.70	57.55
		For Galvanized Fittings, Add	*83.13*	
23 21 13 23-1049	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,070.42	48.70
		For Galvanized Fittings, Add	*249.37*	
23 21 13 23-1050	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,074.55	51.45
		For Galvanized Fittings, Add	*249.37*	
23 21 13 23-1051	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	819.70	54.68
		For Galvanized Fittings, Add	*184.44*	
23 21 13 23-1052	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	823.96	57.55
		For Galvanized Fittings, Add	*184.44*	
23 21 13 23-1053	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	569.04	60.66
		For Galvanized Fittings, Add	*119.53*	
23 21 13 23-1054	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	573.39	63.53
		For Galvanized Fittings, Add	*119.53*	
23 21 13 23-1055	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	462.98	67.00
		For Galvanized Fittings, Add	*90.65*	
23 21 13 23-1056	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	525.73	73.34
		For Galvanized Fittings, Add	*103.94*	
23 21 13 23-1057	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	679.41	68.56
		For Galvanized Fittings, Add	*144.16*	
23 21 13 23-1058	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	689.07	75.02
		For Galvanized Fittings, Add	*144.16*	
23 21 13 23-1059	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	778.07	81.48
		For Galvanized Fittings, Add	*164.00*	
23 21 13 23-1060	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	871.88	91.05
		For Galvanized Fittings, Add	*183.83*	
23 21 13 23-1061		**Plain End Piping System, Bull Plugs** *(23 21 13 23-0943)*		
23 21 13 23-1062	EA	1" Plain End Piping System, Bull Plug	349.27	7.18
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1063	EA	1-1/2" Plain End Piping System, Bull Plug	353.46	9.93
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1064	EA	2" Plain End Piping System, Bull Plug	358.18	13.17
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1065	EA	2-1/2" Plain End Piping System, Bull Plug	362.43	15.91
		For Galvanized Fittings, Add	*101.55*	
23 21 13 23-1066	EA	3" Plain End Piping System, Bull Plug	524.92	19.14
		For Galvanized Fittings, Add	*148.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1067	EA	4" Plain End Piping System, Bull Plug	679.21	25.49
		For Galvanized Fittings, Add	*192.28*	
23 21 13 23-1068	EA	5" Plain End Piping System, Bull Plug	1,180.51	31.95
		For Galvanized Fittings, Add	*339.80*	
23 21 13 23-1069	EA	6" Plain End Piping System, Bull Plug	1,572.91	41.52
		For Galvanized Fittings, Add	*453.21*	
23 21 13 23-1070	EA	8" Plain End Piping System, Bull Plug	2,914.32	49.41
		For Galvanized Fittings, Add	*852.05*	
23 21 13 23-1071	EA	10" Plain End Piping System, Bull Plug	5,242.54	57.79
		For Galvanized Fittings, Add	*1,546.75*	
23 21 13 23-1072	EA	12" Plain End Piping System, Bull Plug	8,032.84	69.39
		For Galvanized Fittings, Add	*2,378.63*	

23 21 13 23-1073 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-1074 Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1073)*

Note: ASTM A105.

23 21 13 23-1075 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1074)*

23 21 13 23-1076	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	76.14	35.93
23 21 13 23-1077	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	85.33	40.22
23 21 13 23-1078	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	98.83	44.91
23 21 13 23-1079	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	118.48	50.85
23 21 13 23-1080	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	134.20	57.34
23 21 13 23-1081	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	174.35	72.84
23 21 13 23-1082	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	288.36	107.80
23 21 13 23-1083	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	392.29	141.84
23 21 13 23-1084	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	545.05	157.20

23 21 13 23-1085 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1074)*

23 21 13 23-1086	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	78.02	35.93
23 21 13 23-1087	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	88.18	40.22
23 21 13 23-1088	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	99.70	44.91
23 21 13 23-1089	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	119.59	50.85
23 21 13 23-1090	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	136.86	57.34
23 21 13 23-1091	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	174.29	72.84
23 21 13 23-1092	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	304.61	107.80
23 21 13 23-1093	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	406.05	141.84
23 21 13 23-1094	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	539.10	157.20

23 21 13 23-1095 Straight Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1074)*

23 21 13 23-1096	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	94.68	44.91
23 21 13 23-1097	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	110.66	51.83
23 21 13 23-1098	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	134.90	61.25
23 21 13 23-1099	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	165.89	72.84
23 21 13 23-1100	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	198.94	86.94
23 21 13 23-1101	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	252.00	107.80
23 21 13 23-1102	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	371.31	141.84
23 21 13 23-1103	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	468.43	168.44
23 21 13 23-1104	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Tee	706.24	198.57

23 21 13 23-1105 Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1074)*

23 21 13 23-1106	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	95.20	44.91
23 21 13 23-1107	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	111.19	51.83
23 21 13 23-1108	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	135.54	61.25
23 21 13 23-1109	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	167.40	72.84
23 21 13 23-1110	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	200.71	86.94
23 21 13 23-1111	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	254.71	107.80
23 21 13 23-1112	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	377.77	141.84
23 21 13 23-1113	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	477.73	168.44
23 21 13 23-1114	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	673.13	198.57

23 21 13 23-1115 Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1074)*

23 21 13 23-1116	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	73.82	35.93
23 21 13 23-1117	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	82.76	40.22
23 21 13 23-1118	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	93.37	44.91
23 21 13 23-1119	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	106.17	50.85
23 21 13 23-1120	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	120.69	57.34
23 21 13 23-1121	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	154.45	72.84
23 21 13 23-1122	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	237.68	107.80
23 21 13 23-1123	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	314.14	141.84
23 21 13 23-1124	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	375.17	157.20

23 21 13 23-1125 Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1074)*

23 21 13 23-1126	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	74.87	35.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1127	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	83.91	40.22
23 21 13 23-1128	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	95.22	44.91
23 21 13 23-1129	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	108.39	50.85
23 21 13 23-1130	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	123.99	57.34
23 21 13 23-1131	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	157.98	72.84
23 21 13 23-1132	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	245.46	107.80
23 21 13 23-1133	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	329.79	141.84
23 21 13 23-1134	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	407.69	157.20
23 21 13 23-1135		**Half Coupling, Threaded Female x Butt Weld Straight Adapter, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1136	EA	1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	67.20	43.41
23 21 13 23-1137	EA	3/4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	78.67	50.45
23 21 13 23-1138	EA	1", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	85.00	53.97
23 21 13 23-1139	EA	1-1/4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	99.48	61.37
23 21 13 23-1140	EA	1-1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	110.29	66.94
23 21 13 23-1141	EA	2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	143.05	86.59
23 21 13 23-1142	EA	2-1/2", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	197.01	113.27
23 21 13 23-1143	EA	3", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	240.78	124.54
23 21 13 23-1144	EA	4", 3,000 Lb., Carbon Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	377.76	188.82
23 21 13 23-1145		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1146	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	36.77	16.84
23 21 13 23-1147	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	39.97	17.97
23 21 13 23-1148	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Cap	46.35	20.73
23 21 13 23-1149	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	51.29	22.46
23 21 13 23-1150	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	53.63	22.46
23 21 13 23-1151	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	69.34	28.98
23 21 13 23-1152	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Cap	98.67	35.93
23 21 13 23-1153	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Cap	129.16	43.46
23 21 13 23-1154	EA	4", 3,000 Lb., Carbon Steel, Socket Weld, Cap	173.63	53.90
23 21 13 23-1155		**Black Cast Iron Square Head Plug** *(23 21 13 23-1074)*		
23 21 13 23-1156	EA	1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	29.33	14.33
23 21 13 23-1157	EA	3/4", 3,000 Lb., Black Cast Iron, Square Head Plug	30.33	14.33
23 21 13 23-1158	EA	1", 3,000 Lb., Black Cast Iron, Square Head Plug	45.32	21.73
23 21 13 23-1159	EA	1-1/4", 3,000 Lb., Black Cast Iron, Square Head Plug	45.52	21.73
23 21 13 23-1160	EA	1-1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	46.35	21.73
23 21 13 23-1161	EA	2", 3,000 Lb., Black Cast Iron, Square Head Plug	61.70	28.98
23 21 13 23-1162	EA	2-1/2", 3,000 Lb., Black Cast Iron, Square Head Plug	77.30	35.93
23 21 13 23-1163	EA	3", 3,000 Lb., Black Cast Iron, Square Head Plug	95.66	43.46
23 21 13 23-1164	EA	4", 3,000 Lb., Black Cast Iron, Square Head Plug	118.03	53.90
23 21 13 23-1165		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1074)*		
23 21 13 23-1166	EA	1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	100.76	44.91
23 21 13 23-1167	EA	3/4", 3,000 Lb., Carbon Steel, Socket Weld, Union	114.87	51.83
23 21 13 23-1168	EA	1", 3,000 Lb., Carbon Steel, Socket Weld, Union	138.90	61.25
23 21 13 23-1169	EA	1-1/4", 3,000 Lb., Carbon Steel, Socket Weld, Union	168.30	72.84
23 21 13 23-1170	EA	1-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	201.49	86.94
23 21 13 23-1171	EA	2", 3,000 Lb., Carbon Steel, Socket Weld, Union	250.51	107.80
23 21 13 23-1172	EA	2-1/2", 3,000 Lb., Carbon Steel, Socket Weld, Union	323.73	117.18
23 21 13 23-1173	EA	3", 3,000 Lb., Carbon Steel, Socket Weld, Union	410.38	141.84
23 21 13 23-1174		**Class 6,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1073)* Note: ASTM A105.		
23 21 13 23-1175		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1176	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	78.41	35.93
23 21 13 23-1177	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	87.92	40.22
23 21 13 23-1178	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	103.61	44.91
23 21 13 23-1179	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	127.39	50.85
23 21 13 23-1180	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	144.57	57.34
23 21 13 23-1181	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	189.58	72.84
23 21 13 23-1182	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	327.00	107.80
23 21 13 23-1183	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	449.97	141.84
23 21 13 23-1184	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, 90 Degree Elbow	667.54	157.20
23 21 13 23-1185		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1186	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	81.51	35.93
23 21 13 23-1187	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	92.55	40.22
23 21 13 23-1188	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	105.30	44.91
23 21 13 23-1189	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	129.72	50.85
23 21 13 23-1190	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	149.42	57.34
23 21 13 23-1191	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	190.50	72.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1192	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	355.01	107.80
23 21 13 23-1193	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	475.32	141.84
23 21 13 23-1194	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, 45 Degree Elbow	666.31	157.20
23 21 13 23-1195		**Straight Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1196	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	99.18	44.91
23 21 13 23-1197	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	117.15	51.83
23 21 13 23-1198	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	146.39	61.25
23 21 13 23-1199	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	184.62	72.84
23 21 13 23-1200	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	222.16	86.94
23 21 13 23-1201	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	285.70	107.80
23 21 13 23-1202	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	452.46	141.84
23 21 13 23-1203	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	590.28	168.44
23 21 13 23-1204	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Tee	992.52	198.57
23 21 13 23-1205		**Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1206	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	95.20	44.91
23 21 13 23-1207	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	111.19	51.83
23 21 13 23-1208	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	135.54	61.25
23 21 13 23-1209	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	167.40	72.84
23 21 13 23-1210	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	200.71	86.94
23 21 13 23-1211	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	254.71	107.80
23 21 13 23-1212	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	377.77	141.84
23 21 13 23-1213	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	477.73	168.44
23 21 13 23-1214	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Tee	673.13	198.57
23 21 13 23-1215		**Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1216	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	74.76	35.93
23 21 13 23-1217	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	83.88	40.22
23 21 13 23-1218	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	95.09	44.91
23 21 13 23-1219	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	108.33	50.85
23 21 13 23-1220	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	123.59	57.34
23 21 13 23-1221	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	158.70	72.84
23 21 13 23-1222	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 6,000 Lb.	248.36	107.80
23 21 13 23-1223	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	328.87	141.84
23 21 13 23-1224	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Straight Coupling	404.54	157.20
23 21 13 23-1225		**Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1226	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	76.31	35.93
23 21 13 23-1227	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	85.58	40.22
23 21 13 23-1228	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	97.80	44.91
23 21 13 23-1229	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	111.61	50.85
23 21 13 23-1230	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	128.46	57.34
23 21 13 23-1231	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	163.89	72.84
23 21 13 23-1232	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	259.79	107.80
23 21 13 23-1233	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	351.91	141.84
23 21 13 23-1234	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Reducing Coupling	452.46	157.20
23 21 13 23-1235		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1236	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	38.84	16.84
23 21 13 23-1237	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	42.68	17.97
23 21 13 23-1238	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Cap	49.64	20.73
23 21 13 23-1239	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	55.57	22.46
23 21 13 23-1240	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	59.48	22.46
23 21 13 23-1241	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	76.98	28.98
23 21 13 23-1242	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Cap	116.66	35.93
23 21 13 23-1243	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Cap	157.50	43.46
23 21 13 23-1244	EA	4", 6,000 Lb., Carbon Steel, Socket Weld, Cap	217.81	53.90
23 21 13 23-1245		**Black Cast Iron Square Head Plug** *(23 21 13 23-1174)*		
23 21 13 23-1246	EA	1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	29.33	14.33
23 21 13 23-1247	EA	3/4", 6,000 Lb., Black Cast Iron, Square Head Plug	30.34	14.33
23 21 13 23-1248	EA	1", 6,000 Lb., Black Cast Iron, Square Head Plug	45.33	21.73
23 21 13 23-1249	EA	1-1/4", 6,000 Lb., Black Cast Iron, Square Head Plug	45.53	21.73
23 21 13 23-1250	EA	1-1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	46.36	21.73
23 21 13 23-1251	EA	2", 6,000 Lb., Black Cast Iron, Square Head Plug	61.72	28.98
23 21 13 23-1252	EA	2-1/2", 6,000 Lb., Black Cast Iron, Square Head Plug	77.33	35.93
23 21 13 23-1253	EA	3", 6,000 Lb., Black Cast Iron, Square Head Plug	95.70	43.46
23 21 13 23-1254	EA	4", 6,000 Lb., Black Cast Iron, Square Head Plug	118.08	53.90
23 21 13 23-1255		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1174)*		
23 21 13 23-1256	EA	1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	107.45	44.91
23 21 13 23-1257	EA	3/4", 6,000 Lb., Carbon Steel, Socket Weld, Union	121.73	51.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1258	EA	1", 6,000 Lb., Carbon Steel, Socket Weld, Union	148.93	61.25
23 21 13 23-1259	EA	1-1/4", 6,000 Lb., Carbon Steel, Socket Weld, Union	182.14	72.84
23 21 13 23-1260	EA	1-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	218.38	86.94
23 21 13 23-1261	EA	2", 6,000 Lb., Carbon Steel, Socket Weld, Union	271.85	107.80
23 21 13 23-1262	EA	2-1/2", 6,000 Lb., Carbon Steel, Socket Weld, Union	378.39	117.18
23 21 13 23-1263	EA	3", 6,000 Lb., Carbon Steel, Socket Weld, Union	487.85	141.84

23 21 13 23-1264 Carbon Steel, Seamless Piping System *(23 21 13 23-1073)*

Note: ASTM A106. Excludes hangers or fittings. Demolition Note applies to all pipe demolition.

23 21 13 23-1265 Schedule 40, Threaded, (A-106) Seamless Carbon Steel Piping *(23 21 13 23-1264)*

Note: Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-1266	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.89	2.99
		For Schedule 80, Add	*3.55*	
23 21 13 23-1267	LF	3/8" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	16.80	4.67
		For Schedule 80, Add	*3.55*	
23 21 13 23-1268	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	15.53	4.78
		For Schedule 80, Add	*2.98*	
		For Schedule 160, Add	*12.42*	
23 21 13 23-1269	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	17.46	5.15
		For Schedule 80, Add	*3.51*	
		For Schedule 160, Add	*14.61*	
23 21 13 23-1270	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	21.01	5.63
		For Schedule 80, Add	*4.55*	
		For Schedule 160, Add	*18.96*	
23 21 13 23-1271	LF	1-1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	22.23	5.86
		For Schedule 80, Add	*4.81*	
23 21 13 23-1272	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	28.25	6.94
		For Schedule 80, Add	*6.42*	
		For Schedule 160, Add	*26.76*	
23 21 13 23-1273	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	34.67	8.38
		For Schedule 80, Add	*7.95*	
		For Schedule 160, Add	*33.11*	
23 21 13 23-1274	LF	2-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	36.16	9.94
		For Schedule 80, Add	*7.63*	

23 21 13 23-1275 90 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1264)*

23 21 13 23-1276	EA	1/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	29.93	18.14
23 21 13 23-1277	EA	3/8", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	32.78	19.75
23 21 13 23-1278	EA	1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	35.62	21.28
23 21 13 23-1279	EA	3/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	39.83	23.83
23 21 13 23-1280	EA	1", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	45.07	26.61
23 21 13 23-1281	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	54.63	30.28
23 21 13 23-1282	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	64.29	33.96
23 21 13 23-1283	EA	2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	81.55	43.14
23 21 13 23-1284	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	133.29	63.92
23 21 13 23-1285	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	30.78	18.14
23 21 13 23-1286	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	33.37	19.75
23 21 13 23-1287	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	35.94	21.28
23 21 13 23-1288	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	40.89	23.83
23 21 13 23-1289	EA	1", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	47.38	26.61
23 21 13 23-1290	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	58.53	30.28
23 21 13 23-1291	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	69.80	33.96
23 21 13 23-1292	EA	2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	87.64	43.14
23 21 13 23-1293	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	146.85	63.92
23 21 13 23-1294	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	38.94	21.28
23 21 13 23-1295	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	44.67	23.83
23 21 13 23-1296	EA	1", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	51.35	26.61
23 21 13 23-1297	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	66.09	30.28
23 21 13 23-1298	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	80.95	33.96
23 21 13 23-1299	EA	2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	117.22	43.14
23 21 13 23-1300	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Elbow	212.74	63.92

23 21 13 23-1301 45 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1264)*

23 21 13 23-1302	EA	1/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	31.92	18.35
23 21 13 23-1303	EA	3/8", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	33.96	19.75
23 21 13 23-1304	EA	1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	36.36	21.28
23 21 13 23-1305	EA	3/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	40.73	23.83
23 21 13 23-1306	EA	1", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	45.75	26.61
23 21 13 23-1307	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	53.86	30.28
23 21 13 23-1308	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	62.09	33.96
23 21 13 23-1309	EA	2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	84.94	43.14
23 21 13 23-1310	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	140.85	63.92
23 21 13 23-1311	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	32.06	18.35
23 21 13 23-1312	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	34.42	19.75
23 21 13 23-1313	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	37.09	21.28
23 21 13 23-1314	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	41.63	23.83
23 21 13 23-1315	EA	1", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	48.11	26.61
23 21 13 23-1316	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	58.48	30.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1317	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	68.95	33.96
23 21 13 23-1318	EA	2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	89.54	43.14
23 21 13 23-1319	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	151.08	63.92
23 21 13 23-1320	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	41.01	21.28
23 21 13 23-1321	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	48.41	23.83
23 21 13 23-1322	EA	1", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	52.75	26.61
23 21 13 23-1323	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	70.78	30.28
23 21 13 23-1324	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	88.91	33.96
23 21 13 23-1325	EA	2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	117.74	43.14
23 21 13 23-1326	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 45 Degree Elbow	213.91	63.92
23 21 13 23-1327		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1328	EA	1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	32.67	18.14
23 21 13 23-1329	EA	3/8", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	35.23	19.75
23 21 13 23-1330	EA	1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	37.77	21.28
23 21 13 23-1331	EA	3/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	43.25	23.83
23 21 13 23-1332	EA	1", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	49.52	26.61
23 21 13 23-1333	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	60.48	30.28
23 21 13 23-1334	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	71.53	33.96
23 21 13 23-1335	EA	2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	94.11	43.14
23 21 13 23-1336	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	161.26	63.92
23 21 13 23-1337	EA	1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	45.61	21.28
23 21 13 23-1338	EA	3/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	59.19	23.83
23 21 13 23-1339	EA	1", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	76.19	26.61
23 21 13 23-1340	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	110.49	30.28
23 21 13 23-1341	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	144.88	33.96
23 21 13 23-1342	EA	2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	212.34	43.09
23 21 13 23-1343	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, 90 Degree Street Elbow	424.48	63.92
23 21 13 23-1344		**Straight Tees, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1345	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	39.70	23.95
23 21 13 23-1346	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Straight Tee	42.25	25.26
23 21 13 23-1347	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	44.69	26.61
23 21 13 23-1348	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	52.57	30.70
23 21 13 23-1349	EA	1", 2,000 Lb., Screwed Carbon Steel, Straight Tee	63.34	36.27
23 21 13 23-1350	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Straight Tee	79.69	43.93
23 21 13 23-1351	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	96.01	51.49
23 21 13 23-1352	EA	2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	119.04	63.85
23 21 13 23-1353	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Tee	177.89	84.03
23 21 13 23-1354	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	40.44	23.95
23 21 13 23-1355	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Straight Tee	42.85	25.26
23 21 13 23-1356	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	45.17	26.61
23 21 13 23-1357	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	54.17	30.70
23 21 13 23-1358	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Tee	64.71	36.27
23 21 13 23-1359	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Tee	82.74	43.93
23 21 13 23-1360	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	100.74	51.49
23 21 13 23-1361	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	126.87	63.85
23 21 13 23-1362	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Tee	195.33	84.03
23 21 13 23-1363	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	48.76	26.61
23 21 13 23-1364	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Tee	58.03	30.70
23 21 13 23-1365	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Tee	74.27	36.27
23 21 13 23-1366	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Tee	92.95	43.93
23 21 13 23-1367	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	111.60	51.49
23 21 13 23-1368	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	161.50	63.85
23 21 13 23-1369	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Tee	272.47	84.03
23 21 13 23-1370		**Screwed Carbon Steel Laterals** *(23 21 13 23-1264)*		
23 21 13 23-1371	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	93.88	26.61
23 21 13 23-1372	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	111.76	30.70
23 21 13 23-1373	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	135.62	36.27
23 21 13 23-1374	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	157.15	43.93
23 21 13 23-1375	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	178.63	51.49
23 21 13 23-1376	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	222.51	63.85
23 21 13 23-1377	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	408.39	84.03
23 21 13 23-1378	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Lateral	112.19	26.61
23 21 13 23-1379	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	138.99	30.70
23 21 13 23-1380	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	164.73	36.27
23 21 13 23-1381	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	198.47	43.93
23 21 13 23-1382	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	232.15	51.49
23 21 13 23-1383	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	296.09	63.92
23 21 13 23-1384	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Lateral	572.30	84.03
23 21 13 23-1385		**Crosses, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1386	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Cross	56.23	31.89
23 21 13 23-1387	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Cross	60.61	33.88
23 21 13 23-1388	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Cross	65.00	35.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1389	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Cross	69.55	38.27
23 21 13 23-1390	EA	1", 2,000 Lb., Screwed Carbon Steel, Cross	85.14	46.24
23 21 13 23-1391	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Cross	110.10	55.42
23 21 13 23-1392	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Cross	135.04	64.66
23 21 13 23-1393	EA	2", 2,000 Lb., Screwed Carbon Steel, Cross	171.29	79.81
23 21 13 23-1394	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Cross	290.50	117.19
23 21 13 23-1395	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Cross	65.90	35.95
23 21 13 23-1396	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Cross	74.72	38.27
23 21 13 23-1397	EA	1", 3,000 Lb., Screwed Carbon Steel, Cross	89.67	46.23
23 21 13 23-1398	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Cross	115.63	55.42
23 21 13 23-1399	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Cross	141.55	64.65
23 21 13 23-1400	EA	2", 3,000 Lb., Screwed Carbon Steel, Cross	183.21	79.81
23 21 13 23-1401	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Cross	317.05	117.19
23 21 13 23-1402	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Cross	82.75	35.95
23 21 13 23-1403	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Cross	120.70	38.27
23 21 13 23-1404	EA	1", 6,000 Lb., Screwed Carbon Steel, Cross	160.52	46.23
23 21 13 23-1405	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Cross	203.74	55.42
23 21 13 23-1406	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Cross	246.91	64.65
23 21 13 23-1407	EA	2", 6,000 Lb., Screwed Carbon Steel, Cross	277.94	79.81
23 21 13 23-1408	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Cross	528.08	117.19
23 21 13 23-1409		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1410	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	29.02	18.35
23 21 13 23-1411	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	31.18	19.87
23 21 13 23-1412	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	33.41	21.28
23 21 13 23-1413	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	37.79	23.83
23 21 13 23-1414	EA	1", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	43.00	26.61
23 21 13 23-1415	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	50.81	30.28
23 21 13 23-1416	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	58.73	33.96
23 21 13 23-1417	EA	2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	74.56	43.14
23 21 13 23-1418	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Straight Coupling	117.73	63.92
23 21 13 23-1419	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	30.13	18.35
23 21 13 23-1420	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	32.11	19.87
23 21 13 23-1421	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	34.16	21.28
23 21 13 23-1422	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	38.46	23.83
23 21 13 23-1423	EA	1", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	43.92	26.61
23 21 13 23-1424	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	52.14	30.28
23 21 13 23-1425	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	60.44	33.96
23 21 13 23-1426	EA	2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	78.98	43.14
23 21 13 23-1427	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Straight Coupling	127.58	63.92
23 21 13 23-1428	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	31.18	18.35
23 21 13 23-1429	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	32.94	19.87
23 21 13 23-1430	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	34.78	21.28
23 21 13 23-1431	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	38.84	23.83
23 21 13 23-1432	EA	1", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	44.39	26.61
23 21 13 23-1433	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	52.58	30.28
23 21 13 23-1434	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	60.87	33.96
23 21 13 23-1435	EA	2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	82.37	43.14
23 21 13 23-1436	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Straight Coupling	135.12	63.92
23 21 13 23-1437		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1438	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	31.48	19.87
23 21 13 23-1439	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	34.12	21.28
23 21 13 23-1440	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	38.87	23.83
23 21 13 23-1441	EA	1", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	44.50	26.61
23 21 13 23-1442	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	51.76	30.28
23 21 13 23-1443	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	59.12	33.96
23 21 13 23-1444	EA	2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	76.67	43.14
23 21 13 23-1445	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Reducing Coupling	122.41	63.92
23 21 13 23-1446	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	31.69	19.87
23 21 13 23-1447	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	37.39	21.28
23 21 13 23-1448	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	42.12	23.83
23 21 13 23-1449	EA	1", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	48.38	26.61
23 21 13 23-1450	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	56.65	30.28
23 21 13 23-1451	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	65.01	33.96
23 21 13 23-1452	EA	2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	85.53	43.14
23 21 13 23-1453	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Reducing Coupling	142.16	63.92
23 21 13 23-1454	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	59.19	19.87
23 21 13 23-1455	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	61.77	21.28
23 21 13 23-1456	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	65.58	23.83
23 21 13 23-1457	EA	1", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	75.63	26.61
23 21 13 23-1458	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	90.35	30.28
23 21 13 23-1459	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	105.18	33.96
23 21 13 23-1460	EA	2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	146.38	43.14
23 21 13 23-1461	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Reducing Coupling	277.70	63.92
23 21 13 23-1462		**Caps, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1463	EA	1/4", 2,000 Lb., Screwed Carbon Steel, Cap	13.52	8.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1464	EA	3/8", 2,000 Lb., Screwed Carbon Steel, Cap	14.60	8.86
23 21 13 23-1465	EA	1/2", 2,000 Lb., Screwed Carbon Steel, Cap	15.74	9.58
23 21 13 23-1466	EA	3/4", 2,000 Lb., Screwed Carbon Steel, Cap	18.00	10.72
23 21 13 23-1467	EA	1", 2,000 Lb., Screwed Carbon Steel, Cap	20.92	11.97
23 21 13 23-1468	EA	1-1/4", 2,000 Lb., Screwed Carbon Steel, Cap	24.31	13.65
23 21 13 23-1469	EA	1-1/2", 2,000 Lb., Screwed Carbon Steel, Cap	27.64	15.29
23 21 13 23-1470	EA	2", 2,000 Lb., Screwed Carbon Steel, Cap	36.46	19.41
23 21 13 23-1471	EA	2-1/2", 2,000 Lb., Screwed Carbon Steel, Cap	59.59	28.85
23 21 13 23-1472	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Cap	14.78	8.17
23 21 13 23-1473	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Cap	15.66	8.86
23 21 13 23-1474	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Cap	16.60	9.58
23 21 13 23-1475	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Cap	19.38	10.72
23 21 13 23-1476	EA	1", 3,000 Lb., Screwed Carbon Steel, Cap	22.08	11.97
23 21 13 23-1477	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Cap	26.90	13.65
23 21 13 23-1478	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Cap	31.66	15.29
23 21 13 23-1479	EA	2", 3,000 Lb., Screwed Carbon Steel, Cap	40.64	19.41
23 21 13 23-1480	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Cap	68.91	28.85
23 21 13 23-1481	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Cap	16.11	8.17
23 21 13 23-1482	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Cap	16.73	8.86
23 21 13 23-1483	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Cap	17.40	9.58
23 21 13 23-1484	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Cap	20.70	10.72
23 21 13 23-1485	EA	1", 6,000 Lb., Screwed Carbon Steel, Cap	22.89	11.97
23 21 13 23-1486	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Cap	29.33	13.65
23 21 13 23-1487	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Cap	35.70	15.29
23 21 13 23-1488	EA	2", 6,000 Lb., Screwed Carbon Steel, Cap	44.30	19.41
23 21 13 23-1489	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Cap	77.05	28.85
23 21 13 23-1490		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1491	EA	1/4" x 2" Long, Screwed Carbon Steel, Nipple	17.68	11.09
23 21 13 23-1492	EA	3/8" x 2" Long, Screwed Carbon Steel, Nipple	17.90	11.25
23 21 13 23-1493	EA	1/2" x 2" Long, Screwed Carbon Steel, Nipple	18.08	11.40
23 21 13 23-1494	EA	3/4" x 2" Long, Screwed Carbon Steel, Nipple	18.02	11.40
23 21 13 23-1495	EA	1" x 2" Long, Screwed Carbon Steel, Nipple	19.73	12.28
23 21 13 23-1496	EA	1-1/4" x 2" Long, Screwed Carbon Steel, Nipple	20.79	12.81
23 21 13 23-1497	EA	1-1/2" x 2" Long, Screwed Carbon Steel, Nipple	21.93	13.30
23 21 13 23-1498	EA	2" x 2" Long, Screwed Carbon Steel, Nipple	27.23	17.16
23 21 13 23-1499	EA	2-1/2" x 2" Long, Screwed Carbon Steel, Nipple	35.28	21.31
23 21 13 23-1500	EA	1/4" x 4" Long, Screwed Carbon Steel, Nipple	18.17	11.09
23 21 13 23-1501	EA	3/8" x 4" Long, Screwed Carbon Steel, Nipple	18.34	11.25
23 21 13 23-1502	EA	1/2" x 4" Long, Screwed Carbon Steel, Nipple	18.48	11.40
23 21 13 23-1503	EA	3/4" x 4" Long, Screwed Carbon Steel, Nipple	18.46	11.40
23 21 13 23-1504	EA	1" x 4" Long, Screwed Carbon Steel, Nipple	20.33	12.28
23 21 13 23-1505	EA	1-1/4" x 4" Long, Screwed Carbon Steel, Nipple	21.63	12.81
23 21 13 23-1506	EA	1-1/2" x 4" Long, Screwed Carbon Steel, Nipple	23.00	13.30
23 21 13 23-1507	EA	2" x 4" Long, Screwed Carbon Steel, Nipple	28.79	17.16
23 21 13 23-1508	EA	2-1/2" x 4" Long, Screwed Carbon Steel, Nipple	38.76	21.31
23 21 13 23-1509	EA	1/4" x 6" Long, Screwed Carbon Steel, Nipple	19.36	11.09
23 21 13 23-1510	EA	3/8" x 6" Long, Screwed Carbon Steel, Nipple	19.24	11.25
23 21 13 23-1511	EA	1/2" x 6" Long, Screwed Carbon Steel, Nipple	19.10	11.40
23 21 13 23-1512	EA	3/4" x 6" Long, Screwed Carbon Steel, Nipple	19.16	11.40
23 21 13 23-1513	EA	1" x 6" Long, Screwed Carbon Steel, Nipple	21.19	12.28
23 21 13 23-1514	EA	1-1/4" x 6" Long, Screwed Carbon Steel, Nipple	22.79	12.81
23 21 13 23-1515	EA	1-1/2" x 6" Long, Screwed Carbon Steel, Nipple	24.46	13.30
23 21 13 23-1516	EA	2" x 6" Long, Screwed Carbon Steel, Nipple	30.09	17.16
23 21 13 23-1517	EA	2-1/2" x 6" Long, Screwed Carbon Steel, Nipple	41.64	21.31
23 21 13 23-1518		**Unions, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1519	EA	1/4", 3,000 Lb., Screwed Carbon Steel, Union	37.66	23.95
23 21 13 23-1520	EA	3/8", 3,000 Lb., Screwed Carbon Steel, Union	39.25	25.26
23 21 13 23-1521	EA	1/2", 3,000 Lb., Screwed Carbon Steel, Union	40.75	26.61
23 21 13 23-1522	EA	3/4", 3,000 Lb., Screwed Carbon Steel, Union	46.91	30.70
23 21 13 23-1523	EA	1", 3,000 Lb., Screwed Carbon Steel, Union	55.68	36.27
23 21 13 23-1524	EA	1-1/4", 3,000 Lb., Screwed Carbon Steel, Union	67.55	43.93
23 21 13 23-1525	EA	1-1/2", 3,000 Lb., Screwed Carbon Steel, Union	79.37	51.49
23 21 13 23-1526	EA	2", 3,000 Lb., Screwed Carbon Steel, Union	98.46	63.85
23 21 13 23-1527	EA	2-1/2", 3,000 Lb., Screwed Carbon Steel, Union	147.39	94.21
23 21 13 23-1528	EA	1/4", 6,000 Lb., Screwed Carbon Steel, Union	49.13	23.95
23 21 13 23-1529	EA	3/8", 6,000 Lb., Screwed Carbon Steel, Union	51.91	25.26
23 21 13 23-1530	EA	1/2", 6,000 Lb., Screwed Carbon Steel, Union	54.61	26.61
23 21 13 23-1531	EA	3/4", 6,000 Lb., Screwed Carbon Steel, Union	63.70	30.70
23 21 13 23-1532	EA	1", 6,000 Lb., Screwed Carbon Steel, Union	76.37	36.27
23 21 13 23-1533	EA	1-1/4", 6,000 Lb., Screwed Carbon Steel, Union	99.04	43.93
23 21 13 23-1534	EA	1-1/2", 6,000 Lb., Screwed Carbon Steel, Union	121.68	51.49
23 21 13 23-1535	EA	2", 6,000 Lb., Screwed Carbon Steel, Union	150.54	63.85
23 21 13 23-1536	EA	2-1/2", 6,000 Lb., Screwed Carbon Steel, Union	263.39	94.21
23 21 13 23-1537		**Flanges, Screwed Carbon Steel** *(23 21 13 23-1264)*		
23 21 13 23-1538	EA	1/2", 150 Lb., Screwed Carbon Steel, Flange	80.28	49.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1539	EA	3/4", 150 Lb., Screwed Carbon Steel, Flange	84.06	51.85
23 21 13 23-1540	EA	1", 150 Lb., Screwed Carbon Steel, Flange	87.44	54.10
23 21 13 23-1541	EA	1-1/4", 150 Lb., Screwed Carbon Steel, Flange	92.70	57.46
23 21 13 23-1542	EA	1-1/2", 150 Lb., Screwed Carbon Steel, Flange	97.89	60.92
23 21 13 23-1543	EA	2", 150 Lb., Screwed Carbon Steel, Flange	101.88	63.59
23 21 13 23-1544	EA	2-1/2", 150 Lb., Screwed Carbon Steel, Flange	183.41	112.64
23 21 13 23-1545	EA	1/2", 300 Lb., Screwed Carbon Steel, Flange	80.67	49.46
		For Ring Type Joint, Add	*6.49*	
		For Blind Flange, Deduct	*-30.97*	
23 21 13 23-1546	EA	3/4", 300 Lb., Screwed Carbon Steel, Flange	84.47	51.85
		For Ring Type Joint, Add	*6.70*	
		For Blind Flange, Deduct	*-32.45*	
23 21 13 23-1547	EA	1", 300 Lb., Screwed Carbon Steel, Flange	88.07	54.10
		For Ring Type Joint, Add	*6.92*	
		For Blind Flange, Deduct	*-33.84*	
23 21 13 23-1548	EA	1-1/4", 300 Lb., Screwed Carbon Steel, Flange	93.76	57.46
23 21 13 23-1549	EA	1-1/2", 300 Lb., Screwed Carbon Steel, Flange	99.38	60.92
		For Ring Type Joint, Add	*8.00*	
		For Blind Flange, Deduct	*-38.15*	
23 21 13 23-1550	EA	2", 300 Lb., Screwed Carbon Steel, Flange	103.37	63.59
		For Ring Type Joint, Add	*8.00*	
		For Blind Flange, Deduct	*-39.75*	
23 21 13 23-1551	EA	2-1/2", 300 Lb., Screwed Carbon Steel, Flange	186.73	112.64
23 21 13 23-1552	EA	1/2", 600 Lb., Screwed Carbon Steel, Flange	83.22	49.46
		For Ring Type Joint, Add	*9.04*	
		For Blind Flange, Deduct	*-31.48*	
23 21 13 23-1553	EA	3/4", 600 Lb., Screwed Carbon Steel, Flange	86.81	51.85
		For Ring Type Joint, Add	*9.04*	
		For Blind Flange, Deduct	*-32.92*	
23 21 13 23-1554	EA	1", 600 Lb., Screwed Carbon Steel, Flange	90.60	54.10
		For Ring Type Joint, Add	*9.45*	
		For Blind Flange, Deduct	*-34.35*	
23 21 13 23-1555	EA	1-1/4", 600 Lb., Screwed Carbon Steel, Flange	96.60	57.46
23 21 13 23-1556	EA	1-1/2", 600 Lb., Screwed Carbon Steel, Flange	102.52	60.92
		For Ring Type Joint, Add	*11.14*	
		For Blind Flange, Deduct	*-38.78*	
23 21 13 23-1557	EA	2", 600 Lb., Screwed Carbon Steel, Flange	105.74	63.59
		For Ring Type Joint, Add	*10.37*	
		For Blind Flange, Deduct	*-40.22*	
23 21 13 23-1558	EA	2-1/2", 600 Lb., Screwed Carbon Steel, Flange	192.00	112.64

23 21 13 23-1559 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-1264)*

23 21 13 23-1560	EA	1/4", Screwed Carbon Steel, Square Head Plug	10.56	4.99
23 21 13 23-1561	EA	3/8", Screwed Carbon Steel, Square Head Plug	12.00	7.54
23 21 13 23-1562	EA	1/2", Screwed Carbon Steel, Square Head Plug	12.66	5.98
23 21 13 23-1563	EA	3/4", Screwed Carbon Steel, Square Head Plug	14.48	6.80
23 21 13 23-1564	EA	1", Screwed Carbon Steel, Square Head Plug	17.19	10.65
23 21 13 23-1565	EA	1-1/4", Screwed Carbon Steel, Square Head Plug	20.19	12.09
23 21 13 23-1566	EA	1-1/2", Screwed Carbon Steel, Square Head Plug	23.11	13.65
23 21 13 23-1567	EA	2", Screwed Carbon Steel, Square Head Plug	30.58	17.24
23 21 13 23-1568	EA	2-1/2", Screwed Carbon Steel, Square Head Plug	48.47	25.50

23 21 13 23-1569 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-1264)*

23 21 13 23-1570	EA	1/4", Screwed Carbon Steel, Hex Head Plug	10.41	4.99
23 21 13 23-1571	EA	3/8", Screwed Carbon Steel, Hex Head Plug	11.86	7.54
23 21 13 23-1572	EA	1/2", Screwed Carbon Steel, Hex Head Plug	12.52	5.98
23 21 13 23-1573	EA	3/4", Screwed Carbon Steel, Hex Head Plug	14.39	6.80
23 21 13 23-1574	EA	1", Screwed Carbon Steel, Hex Head Plug	17.11	10.65
23 21 13 23-1575	EA	1-1/4", Screwed Carbon Steel, Hex Head Plug	19.98	12.09
23 21 13 23-1576	EA	1-1/2", Screwed Carbon Steel, Hex Head Plug	22.78	13.65
23 21 13 23-1577	EA	2", Screwed Carbon Steel, Hex Head Plug	30.81	17.24
23 21 13 23-1578	EA	2-1/2", Screwed Carbon Steel, Hex Head Plug	48.99	25.50

23 21 13 23-1579 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-1264)*

23 21 13 23-1580	EA	1/4", Screwed Carbon Steel, Roud Head Plug	10.90	4.99
23 21 13 23-1581	EA	3/8", Screwed Carbon Steel, Round Head Plug	12.19	7.54
23 21 13 23-1582	EA	1/2", Screwed Carbon Steel, Roud Head Plug	12.68	5.98
23 21 13 23-1583	EA	3/4", Screwed Carbon Steel, Roud Head Plug	14.41	6.80
23 21 13 23-1584	EA	1", Screwed Carbon Steel, Roud Head Plug	17.24	10.65
23 21 13 23-1585	EA	1-1/4", Screwed Carbon Steel, Round Head Plug	20.42	12.09
23 21 13 23-1586	EA	1-1/2", Screwed Carbon Steel, Roud Head Plug	23.53	13.65
23 21 13 23-1587	EA	2", Screwed Carbon Steel, Roud Head Plug	30.72	17.24
23 21 13 23-1588	EA	2-1/2", Screwed Carbon Steel, Round Head Plug	48.79	25.50

23 21 13 23-1589 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-1264)*

23 21 13 23-1590	EA	1/4", Screwed Carbon Steel, Hex Bushing	10.53	4.99
23 21 13 23-1591	EA	3/8", Screwed Carbon Steel, Hex Bushing	11.92	7.54
23 21 13 23-1592	EA	1/2", Screwed Carbon Steel, Hex Bushing	12.52	5.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1593	EA	3/4", Screwed Carbon Steel, Hex Bushing	14.35	6.80
23 21 13 23-1594	EA	1", Screwed Carbon Steel, Hex Bushing	17.21	10.65
23 21 13 23-1595	EA	1-1/4", Screwed Carbon Steel, Hex Bushing	20.03	12.09
23 21 13 23-1596	EA	1-1/2", Screwed Carbon Steel, Hex Bushing	22.75	13.65
23 21 13 23-1597	EA	2", Screwed Carbon Steel, Hex Bushing	30.47	17.24
23 21 13 23-1598	EA	2-1/2", Screwed Carbon Steel, Hex Bushing	48.21	25.50

23 21 13 23-1599 Grooved-Joint Pipe *(23 21 13 23)*

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1600 Schedule 10 Black Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1601	LF	2" Black Schedule 10 Grooved Pipe	31.10	15.20
		For Work In Restricted Working Space, Add	*6.82*	
23 21 13 23-1602	LF	2-1/2" Black Schedule 10 Grooved Pipe	42.10	20.82
		For Work In Restricted Working Space, Add	*9.37*	
23 21 13 23-1603	LF	3" Black Schedule 10 Grooved Pipe	47.17	23.09
		For Work In Restricted Working Space, Add	*10.39*	
23 21 13 23-1604	LF	3-1/2" Black Schedule 10 Grooved Pipe	51.99	23.93
		For Work In Restricted Working Space, Add	*10.78*	
23 21 13 23-1605	LF	4" Black Schedule 10 Grooved Pipe	55.37	25.96
		For Work In Restricted Working Space, Add	*11.66*	
23 21 13 23-1606	LF	5" Black Schedule 10 Grooved Pipe	76.59	31.83
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-1607	LF	6" Black Schedule 10 Grooved Pipe	100.13	45.23
		For Work In Restricted Working Space, Add	*20.32*	
23 21 13 23-1608	LF	8" Black Schedule 10 Grooved Pipe	133.20	50.73
		For Work In Restricted Working Space, Add	*22.80*	
23 21 13 23-1609	LF	10" Black Schedule 10 Grooved Pipe	166.18	61.14
		For Work In Restricted Working Space, Add	*27.49*	
23 21 13 23-1610	LF	12" Black Schedule 10 Grooved Pipe	191.30	69.27
		For Work In Restricted Working Space, Add	*31.16*	

23 21 13 23-1611 Schedule 40 Black Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1612	LF	3/4" Black Schedule 40 Grooved Pipe	18.69	9.21
		For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-1613	LF	1" Black Schedule 40 Grooved Pipe	21.09	10.41
		For Work In Restricted Working Space, Add	*4.65*	
23 21 13 23-1614	LF	1-1/4" Black Schedule 40 Grooved Pipe	23.81	11.24
		For Work In Restricted Working Space, Add	*5.06*	
23 21 13 23-1615	LF	1-1/2" Black Schedule 40 Grooved Pipe	27.09	12.80
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-1616	LF	2" Black Schedule 40 Grooved Pipe	34.22	16.28
		For Work In Restricted Working Space, Add	*7.33*	
23 21 13 23-1617	LF	2-1/2" Black Schedule 40 Grooved Pipe	47.52	22.26
		For Work In Restricted Working Space, Add	*10.03*	
23 21 13 23-1618	LF	3" Black Schedule 40 Grooved Pipe	55.79	25.37
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-1619	LF	4" Black Schedule 40 Grooved Pipe	67.48	28.23
		For Work In Restricted Working Space, Add	*12.70*	
23 21 13 23-1620	LF	5" Black Schedule 40 Grooved Pipe	91.42	34.33
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-1621	LF	6" Black Schedule 40 Grooved Pipe	124.04	49.53
		For Work In Restricted Working Space, Add	*22.25*	
23 21 13 23-1622	LF	8" Black Schedule 40 Grooved Pipe	161.56	56.12
		For Work In Restricted Working Space, Add	*25.26*	
23 21 13 23-1623	LF	10" Black Schedule 40 Grooved Pipe	219.29	67.00
		For Work In Restricted Working Space, Add	*30.15*	
23 21 13 23-1624	LF	12" Black Schedule 40 Grooved Pipe	257.66	76.93
		For Work In Restricted Working Space, Add	*34.62*	
23 21 13 23-1625	LF	14" Black Schedule 40 Grooved Pipe	340.87	103.97
		For Work In Restricted Working Space, Add	*46.74*	
23 21 13 23-1626	LF	16" Black Schedule 40 Grooved Pipe	395.98	122.28
		For Work In Restricted Working Space, Add	*54.98*	
23 21 13 23-1627	LF	18" Black Schedule 40 Grooved Pipe	490.50	148.48
		For Work In Restricted Working Space, Add	*66.77*	
23 21 13 23-1628	LF	20" Black Schedule 40 Grooved Pipe	566.26	173.13
		For Work In Restricted Working Space, Add	*77.89*	
23 21 13 23-1629	LF	24" Black Schedule 40 Grooved Pipe	734.21	207.83
		For Work In Restricted Working Space, Add	*93.47*	

23 21 13 23-1630 Schedule 80 Black Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1631	LF	3/4" Black Schedule 80 Grooved Pipe	20.46	10.05
		For Work In Restricted Working Space, Add	*4.51*	
23 21 13 23-1632	LF	1" Black Schedule 80 Grooved Pipe	22.57	10.65
		For Work In Restricted Working Space, Add	*4.81*	
23 21 13 23-1633	LF	1-1/4" Black Schedule 80 Grooved Pipe	26.28	11.85
		For Work In Restricted Working Space, Add	*5.33*	
23 21 13 23-1634	LF	1-1/2" Black Schedule 80 Grooved Pipe	29.85	13.28
		For Work In Restricted Working Space, Add	*5.99*	
23 21 13 23-1635	LF	2" Black Schedule 80 Grooved Pipe	38.60	17.11
		For Work In Restricted Working Space, Add	*7.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1636	LF	2-1/2" Black Schedule 80 Grooved Pipe	54.15	23.57
		For Work In Restricted Working Space, Add	*10.58*	
23 21 13 23-1637	LF	3" Black Schedule 80 Grooved Pipe	64.06	26.44
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-1638	LF	4" Black Schedule 80 Grooved Pipe	79.04	28.84
		For Work In Restricted Working Space, Add	*12.99*	
23 21 13 23-1639	LF	5" Black Schedule 80 Grooved Pipe	118.17	36.26
		For Work In Restricted Working Space, Add	*16.33*	
23 21 13 23-1640	LF	6" Black Schedule 80 Grooved Pipe	155.37	51.93
		For Work In Restricted Working Space, Add	*23.37*	
23 21 13 23-1641	LF	8" Black Schedule 80 Grooved Pipe	226.47	59.35
		For Work In Restricted Working Space, Add	*26.71*	
23 21 13 23-1642	LF	10" Black Schedule 80 Grooved Pipe	281.13	71.67
		For Work In Restricted Working Space, Add	*32.23*	
23 21 13 23-1643	LF	12" Black Schedule 80 Grooved Pipe	299.77	86.63
		For Work In Restricted Working Space, Add	*38.95*	

23 21 13 23-1644 Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1645	LF	3/4" Galvanized Schedule 40 Grooved Pipe	22.05	9.21
		For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-1646	LF	1" Galvanized Schedule 40 Grooved Pipe	25.65	10.41
		For Work In Restricted Working Space, Add	*4.65*	
23 21 13 23-1647	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	28.69	11.24
		For Work In Restricted Working Space, Add	*5.06*	
23 21 13 23-1648	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	32.66	12.80
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-1649	LF	2" Galvanized Schedule 40 Grooved Pipe	41.27	16.28
		For Work In Restricted Working Space, Add	*7.33*	
23 21 13 23-1650	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	57.98	22.26
		For Work In Restricted Working Space, Add	*10.03*	
23 21 13 23-1651	LF	3" Galvanized Schedule 40 Grooved Pipe	69.20	25.37
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-1652	LF	4" Galvanized Schedule 40 Grooved Pipe	86.49	28.23
		For Work In Restricted Working Space, Add	*12.70*	
23 21 13 23-1653	LF	5" Galvanized Schedule 40 Grooved Pipe	123.37	34.33
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-1654	LF	6" Galvanized Schedule 40 Grooved Pipe	165.26	49.53
		For Work In Restricted Working Space, Add	*22.25*	
23 21 13 23-1655	LF	8" Galvanized Schedule 40 Grooved Pipe	222.80	56.12
		For Work In Restricted Working Space, Add	*25.26*	
23 21 13 23-1656	LF	10" Galvanized Schedule 40 Grooved Pipe	318.30	67.00
		For Work In Restricted Working Space, Add	*30.15*	
23 21 13 23-1657	LF	12" Galvanized Schedule 40 Grooved Pipe	376.75	76.93
		For Work In Restricted Working Space, Add	*34.62*	

23 21 13 23-1658 Schedule 80 Galvanized Grooved Pipe *(23 21 13 23-1599)*

23 21 13 23-1659	LF	3/4" Galvanized Schedule 80 Grooved Pipe	23.62	10.05
		For Work In Restricted Working Space, Add	*4.51*	
23 21 13 23-1660	LF	1" Galvanized Schedule 80 Grooved Pipe	31.61	10.65
		For Work In Restricted Working Space, Add	*4.81*	
23 21 13 23-1661	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	31.61	11.85
		For Work In Restricted Working Space, Add	*5.33*	
23 21 13 23-1662	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	41.78	14.12
		For Work In Restricted Working Space, Add	*6.38*	
23 21 13 23-1663	LF	2" Galvanized Schedule 80 Grooved Pipe	46.88	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-1664	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	66.61	23.57
		For Work In Restricted Working Space, Add	*10.58*	
23 21 13 23-1665	LF	3" Galvanized Schedule 80 Grooved Pipe	80.75	26.44
		For Work In Restricted Working Space, Add	*11.91*	
23 21 13 23-1666	LF	4" Galvanized Schedule 80 Grooved Pipe	103.19	28.84
		For Work In Restricted Working Space, Add	*12.99*	
23 21 13 23-1667	LF	5" Galvanized Schedule 80 Grooved Pipe	157.85	36.26
		For Work In Restricted Working Space, Add	*16.33*	
23 21 13 23-1668	LF	6" Galvanized Schedule 80 Grooved Pipe	202.92	51.93
		For Work In Restricted Working Space, Add	*23.37*	
23 21 13 23-1669	LF	8" Galvanized Schedule 80 Grooved Pipe	309.73	59.35
		For Work In Restricted Working Space, Add	*26.71*	
23 21 13 23-1670	LF	10" Galvanized Schedule 80 Grooved Pipe	368.28	71.67
		For Work In Restricted Working Space, Add	*32.23*	
23 21 13 23-1671	LF	12" Galvanized Schedule 80 Grooved Pipe	401.48	86.63
		For Work In Restricted Working Space, Add	*38.95*	

23 21 13 23-1672 Painted Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-1673 Grooved Elbows *(23 21 13 23-1672)*

23 21 13 23-1674 90 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1675	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	91.79	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1676	EA	1", Ductile Iron, Grooved 90 Degree Elbow	91.79	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1677	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	96.68	16.28
		For Work In Restricted Working Space, Add	*7.33*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1678	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	101.86	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1679	EA	2", Ductile Iron, Grooved 90 Degree Elbow	111.34	26.08
		For Work In Restricted Working Space, Add	*11.73*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1680	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	119.87	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*23.84*	
23 21 13 23-1681	EA	3", Ductile Iron, Grooved 90 Degree Elbow	186.07	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*42.35*	
23 21 13 23-1682	EA	4", Ductile Iron, Grooved 90 Degree Elbow	215.98	50.85
		For Work In Restricted Working Space, Add	*22.86*	
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-1683	EA	5", Ductile Iron, Grooved 90 Degree Elbow	435.50	63.53
		For Work In Restricted Working Space, Add	*28.58*	
		For Galvanized Fittings, Add	*112.28*	
23 21 13 23-1684	EA	6", Ductile Iron, Grooved 90 Degree Elbow	520.04	83.15
		For Work In Restricted Working Space, Add	*37.39*	
		For Galvanized Fittings, Add	*130.49*	
23 21 13 23-1685	EA	8", Ductile Iron, Grooved 90 Degree Elbow	980.57	98.95
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*274.63*	
23 21 13 23-1686	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,469.68	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*427.87*	
23 21 13 23-1687	EA	12", Ductile Iron, Grooved 90 Degree Elbow	2,285.92	138.55
		For Work In Restricted Working Space, Add	*62.32*	
		For Galvanized Fittings, Add	*685.81*	
23 21 13 23-1688	EA	14", Steel, Grooved 90 Degree Elbow	4,556.44	156.38
		For Work In Restricted Working Space, Add	*70.35*	
		For Galvanized Fittings, Add	*1,426.24*	
23 21 13 23-1689	EA	16", Steel, Grooved 90 Degree Elbow	5,914.90	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*1,866.24*	
23 21 13 23-1690	EA	18", Steel, Grooved 90 Degree Elbow	7,456.11	189.16
		For Work In Restricted Working Space, Add	*85.07*	
		For Galvanized Fittings, Add	*2,366.94*	
23 21 13 23-1691	EA	20", Steel, Grooved 90 Degree Elbow	9,720.45	196.69
		For Work In Restricted Working Space, Add	*88.49*	
		For Galvanized Fittings, Add	*3,110.41*	
23 21 13 23-1692	EA	24", Steel, Grooved 90 Degree Elbow	13,912.10	232.59
		For Work In Restricted Working Space, Add	*104.58*	
		For Galvanized Fittings, Add	*4,475.95*	

23 21 13 23-1693 45 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 11

23 21 13 23-1694	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	91.74	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1695	EA	1", Ductile Iron, Grooved 45 Degree Elbow	91.74	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1696	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	96.63	16.28
		For Work In Restricted Working Space, Add	*7.33*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1697	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	101.81	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1698	EA	2", Ductile Iron, Grooved 45 Degree Elbow	111.29	26.08
		For Work In Restricted Working Space, Add	*11.73*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1699	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	119.82	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1700	EA	3", Ductile Iron, Grooved 45 Degree Elbow	186.02	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*30.79*	
23 21 13 23-1701	EA	4", Ductile Iron, Grooved 45 Degree Elbow	215.98	50.85
		For Work In Restricted Working Space, Add	*22.86*	
		For Galvanized Fittings, Add	*33.54*	
23 21 13 23-1702	EA	5", Ductile Iron, Grooved 45 Degree Elbow	435.50	63.53
		For Work In Restricted Working Space, Add	*28.58*	
		For Galvanized Fittings, Add	*81.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1703	EA	6", Ductile Iron, Grooved 45 Degree Elbow	520.04	83.15
		For Work In Restricted Working Space, Add	*37.39*	
		For Galvanized Fittings, Add	*94.90*	
23 21 13 23-1704	EA	8", Ductile Iron, Grooved 45 Degree Elbow	980.57	98.95
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*199.73*	
23 21 13 23-1705	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,469.68	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*311.18*	
23 21 13 23-1706	EA	12", Ductile Iron, Grooved 45 Degree Elbow	2,285.92	138.55
		For Work In Restricted Working Space, Add	*62.32*	
		For Galvanized Fittings, Add	*498.77*	
23 21 13 23-1707	EA	14", Steel, Grooved 45 Degree Elbow	4,556.44	156.38
		For Work In Restricted Working Space, Add	*70.35*	
		For Galvanized Fittings, Add	*1,037.26*	
23 21 13 23-1708	EA	16", Steel, Grooved 45 Degree Elbow	5,914.90	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*1,357.27*	
23 21 13 23-1709	EA	18", Steel, Grooved 45 Degree Elbow	7,456.11	189.16
		For Work In Restricted Working Space, Add	*85.07*	
		For Galvanized Fittings, Add	*1,721.41*	
23 21 13 23-1710	EA	20", Steel, Grooved 45 Degree Elbow	9,720.98	197.06
		For Work In Restricted Working Space, Add	*88.65*	
		For Galvanized Fittings, Add	*2,262.11*	
23 21 13 23-1711	EA	24", Steel, Grooved 45 Degree Elbow	13,912.10	232.59
		For Work In Restricted Working Space, Add	*104.58*	
		For Galvanized Fittings, Add	*3,255.24*	

23 21 13 23-1712 22-1/2 Degree Grooved Elbows *(23 21 13 23-1673)*

Note: Victaulic No. 12

23 21 13 23-1713	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	96.49	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1714	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	101.38	16.28
		For Work In Restricted Working Space, Add	*7.33*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1715	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	106.56	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1716	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	116.04	26.08
		For Work In Restricted Working Space, Add	*11.73*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1717	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	124.57	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1718	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	170.27	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*27.01*	
23 21 13 23-1719	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	227.10	50.85
		For Work In Restricted Working Space, Add	*22.86*	
		For Galvanized Fittings, Add	*36.21*	
23 21 13 23-1720	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	563.19	63.53
		For Work In Restricted Working Space, Add	*28.58*	
		For Galvanized Fittings, Add	*112.30*	
23 21 13 23-1721	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	552.10	83.15
		For Work In Restricted Working Space, Add	*37.39*	
		For Galvanized Fittings, Add	*102.59*	
23 21 13 23-1722	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	1,042.78	98.95
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*214.66*	
23 21 13 23-1723	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,401.02	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*294.70*	
23 21 13 23-1724	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,867.76	138.55
		For Work In Restricted Working Space, Add	*62.32*	
		For Galvanized Fittings, Add	*398.41*	
23 21 13 23-1725	EA	14", Steel, Grooved 22-1/2 Degree Elbow	2,151.90	156.38
		For Work In Restricted Working Space, Add	*70.35*	
		For Galvanized Fittings, Add	*460.17*	
23 21 13 23-1726	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,559.27	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*551.92*	
23 21 13 23-1727	EA	18", Steel, Grooved 22-1/2 Degree Elbow	3,068.60	189.16
		For Work In Restricted Working Space, Add	*85.07*	
		For Galvanized Fittings, Add	*668.41*	
23 21 13 23-1728	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,587.65	196.69
		For Work In Restricted Working Space, Add	*88.49*	
		For Galvanized Fittings, Add	*790.24*	
23 21 13 23-1729	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,773.25	232.59
		For Work In Restricted Working Space, Add	*104.58*	
		For Galvanized Fittings, Add	*1,061.91*	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1730		11-1/4 Degree Grooved Elbows *(23 21 13 23-1673)*		
		Note: Victaulic No. 13		
23 21 13 23-1731	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	96.49	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1732	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	101.38	16.28
		For Work In Restricted Working Space, Add	*7.33*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1733	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	106.56	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1734	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	116.04	26.08
		For Work In Restricted Working Space, Add	*11.73*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1735	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	124.57	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*18.47*	
23 21 13 23-1736	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	170.27	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*27.01*	
23 21 13 23-1737	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	227.09	50.85
		For Work In Restricted Working Space, Add	*22.86*	
		For Galvanized Fittings, Add	*36.21*	
23 21 13 23-1738	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	563.17	63.53
		For Work In Restricted Working Space, Add	*28.58*	
		For Galvanized Fittings, Add	*112.30*	
23 21 13 23-1739	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	552.08	83.15
		For Work In Restricted Working Space, Add	*37.39*	
		For Galvanized Fittings, Add	*102.59*	
23 21 13 23-1740	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	1,042.73	98.95
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*214.65*	
23 21 13 23-1741	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,400.95	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*294.68*	
23 21 13 23-1742	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,867.67	138.55
		For Work In Restricted Working Space, Add	*62.32*	
		For Galvanized Fittings, Add	*398.39*	
23 21 13 23-1743	EA	14", Steel, Grooved 11-1/4 Degree Elbow	2,151.81	156.38
		For Work In Restricted Working Space, Add	*70.36*	
		For Galvanized Fittings, Add	*460.15*	
23 21 13 23-1744	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,559.19	173.25
		For Work In Restricted Working Space, Add	*77.90*	
		For Galvanized Fittings, Add	*551.88*	
23 21 13 23-1745	EA	18", Steel, Grooved 11-1/4 Degree Elbow	3,068.41	189.16
		For Work In Restricted Working Space, Add	*85.06*	
		For Galvanized Fittings, Add	*668.37*	
23 21 13 23-1746	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,587.46	196.69
		For Work In Restricted Working Space, Add	*88.49*	
		For Galvanized Fittings, Add	*790.20*	
23 21 13 23-1747	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,773.00	232.59
		For Work In Restricted Working Space, Add	*104.58*	
		For Galvanized Fittings, Add	*1,061.85*	
23 21 13 23-1748		90 Degree Grooved Long Radius Elbows *(23 21 13 23-1673)*		
		Note: Victaulic No. 100		
23 21 13 23-1749	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	204.25	26.08
		For Work In Restricted Working Space, Add	*11.73*	
		For Galvanized Fittings, Add	*39.64*	
23 21 13 23-1750	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	526.83	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*115.01*	
23 21 13 23-1751	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	222.89	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*39.64*	
23 21 13 23-1752	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	323.60	50.85
		For Work In Restricted Working Space, Add	*22.86*	
		For Galvanized Fittings, Add	*59.37*	
23 21 13 23-1753	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,363.28	63.53
		For Work In Restricted Working Space, Add	*28.58*	
		For Galvanized Fittings, Add	*304.32*	
23 21 13 23-1754	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	848.34	83.15
		For Work In Restricted Working Space, Add	*37.39*	
		For Galvanized Fittings, Add	*173.69*	
23 21 13 23-1755	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,884.31	98.95
		For Work In Restricted Working Space, Add	*44.51*	
		For Galvanized Fittings, Add	*416.63*	
23 21 13 23-1756	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,772.44	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*863.84*	
23 21 13 23-1757	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	4,499.93	138.55
		For Work In Restricted Working Space, Add	*62.32*	
		For Galvanized Fittings, Add	*1,030.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1758		Grooved Tees, Wyes And Crosses *(23 21 13 23-1672)*		
23 21 13 23-1759		Grooved Tees *(23 21 13 23-1758)*		
		Note: Victaulic No. 20		
23 21 13 23-1760	EA	3/4", Ductile Iron, Grooved Tee	136.11	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1761	EA	1", Ductile Iron, Grooved Tee	140.00	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1762	EA	1-1/4", Ductile Iron, Grooved Tee	146.59	24.17
		For Work In Restricted Working Space, Add	*10.86*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1763	EA	1-1/2", Ductile Iron, Grooved Tee	154.81	29.67
		For Work In Restricted Working Space, Add	*13.33*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1764	EA	2", Ductile Iron, Grooved Tee	167.88	38.41
		For Work In Restricted Working Space, Add	*17.25*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1765	EA	2-1/2", Ductile Iron, Grooved Tee	180.94	47.02
		For Work In Restricted Working Space, Add	*21.17*	
		For Galvanized Fittings, Add	*33.11*	
23 21 13 23-1766	EA	3", Ductile Iron, Grooved Tee	241.22	57.79
		For Work In Restricted Working Space, Add	*25.98*	
		For Galvanized Fittings, Add	*46.39*	
23 21 13 23-1767	EA	4", Ductile Iron, Grooved Tee	349.26	74.78
		For Work In Restricted Working Space, Add	*33.62*	
		For Galvanized Fittings, Add	*71.16*	
23 21 13 23-1768	EA	5", Ductile Iron, Grooved Tee	703.04	97.75
		For Work In Restricted Working Space, Add	*43.97*	
		For Galvanized Fittings, Add	*166.94*	
23 21 13 23-1769	EA	6", Ductile Iron, Grooved Tee	826.43	122.28
		For Work In Restricted Working Space, Add	*54.98*	
		For Galvanized Fittings, Add	*192.95*	
23 21 13 23-1770	EA	8", Ductile Iron, Grooved Tee	1,627.43	148.48
		For Work In Restricted Working Space, Add	*66.77*	
		For Galvanized Fittings, Add	*421.46*	
23 21 13 23-1771	EA	10", Ductile Iron, Grooved Tee	2,768.36	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*752.62*	
23 21 13 23-1772	EA	12", Ductile Iron, Grooved Tee	3,823.78	207.83
		For Work In Restricted Working Space, Add	*93.47*	
		For Galvanized Fittings, Add	*1,053.66*	
23 21 13 23-1773	EA	14", Steel, Grooved Tee	4,177.70	230.92
		For Work In Restricted Working Space, Add	*103.86*	
		For Galvanized Fittings, Add	*1,149.45*	
23 21 13 23-1774	EA	16", Steel, Grooved Tee	5,228.77	232.23
		For Work In Restricted Working Space, Add	*104.45*	
		For Galvanized Fittings, Add	*1,464.18*	
23 21 13 23-1775	EA	18", Steel, Grooved Tee	6,496.19	256.16
		For Work In Restricted Working Space, Add	*115.21*	
		For Galvanized Fittings, Add	*1,833.65*	
23 21 13 23-1776	EA	20", Steel, Grooved Tee	9,147.80	260.23
		For Work In Restricted Working Space, Add	*117.02*	
		For Galvanized Fittings, Add	*2,627.32*	
23 21 13 23-1777	EA	24", Steel, Grooved Tee	13,935.22	319.70
		For Work In Restricted Working Space, Add	*143.81*	
		For Galvanized Fittings, Add	*4,036.76*	
23 21 13 23-1778		Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1758)*		
		Note: Victaulic No. 33		
23 21 13 23-1779	EA	1", Steel, Grooved Wye	495.36	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1780	EA	1-1/4", Steel, Grooved Wye	501.95	24.17
		For Work In Restricted Working Space, Add	*10.86*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1781	EA	1-1/2", Steel, Grooved Wye	510.17	29.67
		For Work In Restricted Working Space, Add	*13.33*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1782	EA	2", Steel, Grooved Wye	523.24	38.41
		For Work In Restricted Working Space, Add	*17.25*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1783	EA	2-1/2", Steel, Grooved Wye	536.30	47.02
		For Work In Restricted Working Space, Add	*21.17*	
		For Galvanized Fittings, Add	*74.52*	
23 21 13 23-1784	EA	3", Steel, Grooved Wye	643.31	57.79
		For Work In Restricted Working Space, Add	*25.98*	
		For Galvanized Fittings, Add	*89.08*	
23 21 13 23-1785	EA	4", Steel, Grooved Wye	841.27	74.78
		For Work In Restricted Working Space, Add	*33.62*	
		For Galvanized Fittings, Add	*116.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1786	EA	5", Steel, Grooved Wye	1,191.77	97.75
		For Work In Restricted Working Space, Add	*43.97*	
		For Galvanized Fittings, Add	*167.23*	
23 21 13 23-1787	EA	6", Steel, Grooved Wye	1,476.50	122.28
		For Work In Restricted Working Space, Add	*54.98*	
		For Galvanized Fittings, Add	*206.92*	
23 21 13 23-1788	EA	8", Steel, Grooved Wye	2,085.15	148.48
		For Work In Restricted Working Space, Add	*66.77*	
		For Galvanized Fittings, Add	*298.02*	
23 21 13 23-1789	EA	10", Steel, Grooved Wye	3,474.45	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*514.37*	
23 21 13 23-1790	EA	12", Steel, Grooved Wye	3,863.19	207.83
		For Work In Restricted Working Space, Add	*93.47*	
		For Galvanized Fittings, Add	*568.26*	
23 21 13 23-1791	EA	14", Steel, Grooved Wye	4,401.75	230.92
		For Work In Restricted Working Space, Add	*103.86*	
		For Galvanized Fittings, Add	*648.89*	
23 21 13 23-1792	EA	16", Steel, Grooved Wye	5,615.46	231.99
		For Work In Restricted Working Space, Add	*104.34*	
		For Galvanized Fittings, Add	*842.82*	
23 21 13 23-1793	EA	18", Steel, Grooved Wye	6,410.03	256.40
		For Work In Restricted Working Space, Add	*115.34*	
		For Galvanized Fittings, Add	*964.09*	
23 21 13 23-1794	EA	20", Steel, Grooved Wye	9,128.58	259.75
		For Work In Restricted Working Space, Add	*116.84*	
		For Galvanized Fittings, Add	*1,398.26*	
23 21 13 23-1795	EA	24", Steel, Grooved Wye	14,066.22	319.70
		For Work In Restricted Working Space, Add	*143.81*	
		For Galvanized Fittings, Add	*2,173.90*	

23 21 13 23-1796 Grooved Crosses *(23 21 13 23-1758)*

Note: Victaulic No. 35

23 21 13 23-1797	EA	3/4", Steel, Grooved Cross	340.11	25.73
		For Work In Restricted Working Space, Add	*11.57*	
		For Galvanized Fittings, Add	*45.23*	
23 21 13 23-1798	EA	1", Steel, Grooved Cross	345.96	29.67
		For Work In Restricted Working Space, Add	*13.33*	
		For Galvanized Fittings, Add	*45.23*	
23 21 13 23-1799	EA	1-1/4", Steel, Grooved Cross	418.23	36.26
		For Work In Restricted Working Space, Add	*16.29*	
		For Galvanized Fittings, Add	*54.59*	
23 21 13 23-1800	EA	1-1/2", Steel, Grooved Cross	458.79	44.51
		For Work In Restricted Working Space, Add	*19.99*	
		For Galvanized Fittings, Add	*58.82*	
23 21 13 23-1801	EA	2", Steel, Grooved Cross	307.87	57.55
		For Work In Restricted Working Space, Add	*25.88*	
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1802	EA	2-1/2", Steel, Grooved Cross	327.46	70.59
		For Work In Restricted Working Space, Add	*31.75*	
		For Galvanized Fittings, Add	*33.24*	
23 21 13 23-1803	EA	3", Steel, Grooved Cross	528.13	86.63
		For Work In Restricted Working Space, Add	*38.97*	
		For Galvanized Fittings, Add	*59.73*	
23 21 13 23-1804	EA	4", Steel, Grooved Cross	831.02	112.11
		For Work In Restricted Working Space, Add	*50.43*	
		For Galvanized Fittings, Add	*99.44*	
23 21 13 23-1805	EA	5", Steel, Grooved Cross	1,574.10	146.57
		For Work In Restricted Working Space, Add	*65.95*	
		For Galvanized Fittings, Add	*203.14*	
23 21 13 23-1806	EA	6", Steel, Grooved Cross	2,017.34	183.42
		For Work In Restricted Working Space, Add	*82.48*	
		For Galvanized Fittings, Add	*261.36*	
23 21 13 23-1807	EA	8", Steel, Grooved Cross	2,628.60	222.66
		For Work In Restricted Working Space, Add	*100.15*	
		For Galvanized Fittings, Add	*344.22*	
23 21 13 23-1808	EA	10", Steel, Grooved Cross	4,303.32	259.75
		For Work In Restricted Working Space, Add	*116.84*	
		For Galvanized Fittings, Add	*587.08*	
23 21 13 23-1809	EA	12", Steel, Grooved Cross	6,115.37	311.79
		For Work In Restricted Working Space, Add	*140.21*	
		For Galvanized Fittings, Add	*847.20*	
23 21 13 23-1810	EA	14", Steel, Grooved Cross	6,370.92	346.37
		For Work In Restricted Working Space, Add	*155.79*	
		For Galvanized Fittings, Add	*877.74*	
23 21 13 23-1811	EA	16", Steel, Grooved Cross	8,177.15	348.41
		For Work In Restricted Working Space, Add	*156.69*	
		For Galvanized Fittings, Add	*1,148.23*	
23 21 13 23-1812	EA	18", Steel, Grooved Cross	9,959.05	384.19
		For Work In Restricted Working Space, Add	*172.80*	
		For Galvanized Fittings, Add	*1,407.46*	
23 21 13 23-1813	EA	20", Steel, Grooved Cross	13,878.14	390.17
		For Work In Restricted Working Space, Add	*175.50*	
		For Galvanized Fittings, Add	*1,993.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1814	EA	24", Steel, Grooved Cross	21,240.67	479.54
		For Work In Restricted Working Space, Add	*215.71*	
		For Galvanized Fittings, Add	*3,078.25*	

23 21 13 23-1815 Grooved Reducing Tees *(23 21 13 23-1758)*

Note: Victaulic No. 25

23 21 13 23-1816	EA	1", Steel, Grooved Reducing Tee	242.60	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*42.60*	
23 21 13 23-1817	EA	1-1/4", Steel, Grooved Reducing Tee	255.88	24.17
		For Work In Restricted Working Space, Add	*10.86*	
		For Galvanized Fittings, Add	*43.93*	
23 21 13 23-1818	EA	1-1/2", Steel, Grooved Reducing Tee	269.58	29.67
		For Work In Restricted Working Space, Add	*13.33*	
		For Galvanized Fittings, Add	*45.03*	
23 21 13 23-1819	EA	2", Steel, Grooved Reducing Tee	321.08	38.41
		For Work In Restricted Working Space, Add	*17.25*	
		For Galvanized Fittings, Add	*52.72*	
23 21 13 23-1820	EA	2-1/2", Steel, Grooved Reducing Tee	361.27	47.02
		For Work In Restricted Working Space, Add	*21.17*	
		For Galvanized Fittings, Add	*58.14*	
23 21 13 23-1821	EA	3", Steel, Grooved Reducing Tee	404.79	57.79
		For Work In Restricted Working Space, Add	*25.98*	
		For Galvanized Fittings, Add	*63.64*	
23 21 13 23-1822	EA	4", Steel, Grooved Reducing Tee	541.20	74.78
		For Work In Restricted Working Space, Add	*33.62*	
		For Galvanized Fittings, Add	*85.83*	
23 21 13 23-1823	EA	5", Steel, Grooved Reducing Tee	713.20	97.75
		For Work In Restricted Working Space, Add	*43.97*	
		For Galvanized Fittings, Add	*113.33*	
23 21 13 23-1824	EA	6", Steel, Grooved Reducing Tee	980.39	122.28
		For Work In Restricted Working Space, Add	*54.98*	
		For Galvanized Fittings, Add	*159.42*	
23 21 13 23-1825	EA	8", Steel, Grooved Reducing Tee	1,537.79	148.48
		For Work In Restricted Working Space, Add	*66.77*	
		For Galvanized Fittings, Add	*263.05*	
23 21 13 23-1826	EA	10", Steel, Grooved Reducing Tee	2,198.58	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*387.79*	
23 21 13 23-1827	EA	12", Steel, Grooved Reducing Tee	3,171.82	207.83
		For Work In Restricted Working Space, Add	*93.47*	
		For Galvanized Fittings, Add	*572.05*	
23 21 13 23-1828	EA	14", Steel, Grooved Reducing Tee	3,594.83	230.92
		For Work In Restricted Working Space, Add	*103.86*	
		For Galvanized Fittings, Add	*649.73*	
23 21 13 23-1829	EA	16", Steel, Grooved Reducing Tee	4,568.09	232.23
		For Work In Restricted Working Space, Add	*104.46*	
		For Galvanized Fittings, Add	*843.98*	
23 21 13 23-1830	EA	18", Steel, Grooved Reducing Tee	5,550.17	256.16
		For Work In Restricted Working Space, Add	*115.19*	
		For Galvanized Fittings, Add	*1,033.24*	
23 21 13 23-1831	EA	20", Steel, Grooved Reducing Tee	7,778.58	260.11
		For Work In Restricted Working Space, Add	*116.99*	
		For Galvanized Fittings, Add	*1,477.72*	
23 21 13 23-1832	EA	24", Steel, Grooved Reducing Tee	12,380.85	319.70
		For Work In Restricted Working Space, Add	*143.81*	
		For Galvanized Fittings, Add	*2,380.30*	

23 21 13 23-1833 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1758)*

Note: Victaulic No. 30

23 21 13 23-1834	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	466.79	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1835	EA	1", Steel, Grooved, 45 Degree Lateral Wye	470.68	19.74
		For Work In Restricted Working Space, Add	*8.89*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1836	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	477.27	24.17
		For Work In Restricted Working Space, Add	*10.86*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1837	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	485.49	29.67
		For Work In Restricted Working Space, Add	*13.33*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1838	EA	2", Steel, Grooved, 45 Degree Lateral Wye	498.56	38.41
		For Work In Restricted Working Space, Add	*17.25*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1839	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	511.62	47.02
		For Work In Restricted Working Space, Add	*21.17*	
		For Galvanized Fittings, Add	*79.39*	
23 21 13 23-1840	EA	3", Steel, Grooved, 45 Degree Lateral Wye	467.63	57.79
		For Work In Restricted Working Space, Add	*25.98*	
		For Galvanized Fittings, Add	*68.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1841	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	745.40	66.64
		For Work In Restricted Working Space, Add	*29.95*	
		For Galvanized Fittings, Add	*116.20*	
23 21 13 23-1842	EA	4", Steel, Grooved, 45 Degree Lateral Wye	863.53	74.78
		For Work In Restricted Working Space, Add	*33.62*	
		For Galvanized Fittings, Add	*135.26*	
23 21 13 23-1843	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,244.79	97.75
		For Work In Restricted Working Space, Add	*43.97*	
		For Galvanized Fittings, Add	*197.68*	
23 21 13 23-1844	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,952.72	122.28
		For Work In Restricted Working Space, Add	*54.98*	
		For Galvanized Fittings, Add	*318.50*	
23 21 13 23-1845	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,771.19	148.48
		For Work In Restricted Working Space, Add	*66.77*	
		For Galvanized Fittings, Add	*458.76*	
23 21 13 23-1846	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,856.99	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*647.52*	
23 21 13 23-1847	EA	12", Steel, Grooved, 45 Degree Lateral Wye	4,660.93	207.83
		For Work In Restricted Working Space, Add	*93.47*	
		For Galvanized Fittings, Add	*782.88*	
23 21 13 23-1848	EA	14", Steel, Grooved, 45 Degree Lateral Wye	6,694.37	230.92
		For Work In Restricted Working Space, Add	*103.86*	
		For Galvanized Fittings, Add	*1,142.67*	
23 21 13 23-1849	EA	16", Steel, Grooved, 45 Degree Lateral Wye	8,278.78	232.23
		For Work In Restricted Working Space, Add	*104.46*	
		For Galvanized Fittings, Add	*1,427.50*	
23 21 13 23-1850	EA	18", Steel, Grooved, 45 Degree Lateral Wye	9,249.39	256.16
		For Work In Restricted Working Space, Add	*115.19*	
		For Galvanized Fittings, Add	*1,595.78*	
23 21 13 23-1851	EA	20", Steel, Grooved, 45 Degree Lateral Wye	13,837.34	260.11
		For Work In Restricted Working Space, Add	*116.99*	
		For Galvanized Fittings, Add	*2,420.52*	
23 21 13 23-1852	EA	24", Steel, Grooved, 45 Degree Lateral Wye	21,375.55	319.70
		For Work In Restricted Working Space, Add	*143.81*	
		For Galvanized Fittings, Add	*3,761.32*	

23 21 13 23-1853 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1758)*

Note: Victaulic No. 30R

23 21 13 23-1854	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	467.63	57.79
		For Work In Restricted Working Space, Add	*25.98*	
		For Galvanized Fittings, Add	*49.54*	
23 21 13 23-1855	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	863.53	74.78
		For Work In Restricted Working Space, Add	*33.62*	
		For Galvanized Fittings, Add	*97.69*	
23 21 13 23-1856	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,244.79	97.75
		For Work In Restricted Working Space, Add	*43.97*	
		For Galvanized Fittings, Add	*142.77*	
23 21 13 23-1857	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,602.19	122.28
		For Work In Restricted Working Space, Add	*54.98*	
		For Galvanized Fittings, Add	*184.46*	
23 21 13 23-1858	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	2,270.88	148.48
		For Work In Restricted Working Space, Add	*66.77*	
		For Galvanized Fittings, Add	*266.28*	
23 21 13 23-1859	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,768.27	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*326.12*	
23 21 13 23-1860	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	3,360.17	207.83
		For Work In Restricted Working Space, Add	*93.47*	
		For Galvanized Fittings, Add	*396.32*	
23 21 13 23-1861	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,761.40	230.92
		For Work In Restricted Working Space, Add	*103.86*	
		For Galvanized Fittings, Add	*443.98*	
23 21 13 23-1862	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,762.66	232.23
		For Work In Restricted Working Space, Add	*104.46*	
		For Galvanized Fittings, Add	*573.88*	
23 21 13 23-1863	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	7,162.37	256.16
		For Work In Restricted Working Space, Add	*115.19*	
		For Galvanized Fittings, Add	*881.19*	
23 21 13 23-1864	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	10,311.78	260.11
		For Work In Restricted Working Space, Add	*116.99*	
		For Galvanized Fittings, Add	*1,289.83*	
23 21 13 23-1865	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	16,543.12	319.70
		For Work In Restricted Working Space, Add	*143.81*	
		For Galvanized Fittings, Add	*2,088.29*	

23 21 13 23-1866 Mechanical-T Outlet *(23 21 13 23-1758)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1867	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	159.49	43.07
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*18.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1868	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	159.49	43.07
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*18.19*	
23 21 13 23-1869	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	170.94	43.07
		For Work In Restricted Working Space, Add	*25.84*	
		For Galvanized Fittings, Add	*21.03*	
23 21 13 23-1870	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	170.94	43.07
		For Work In Restricted Working Space, Add	*25.84*	
23 21 13 23-1871	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	170.26	48.46
		For Work In Restricted Working Space, Add	*29.07*	
23 21 13 23-1872	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	170.26	48.46
		For Work In Restricted Working Space, Add	*29.07*	
23 21 13 23-1873	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	200.49	48.46
		For Work In Restricted Working Space, Add	*29.07*	
23 21 13 23-1874	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	192.14	53.84
		For Work In Restricted Working Space, Add	*32.30*	
23 21 13 23-1875	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	192.14	53.84
		For Work In Restricted Working Space, Add	*32.30*	
23 21 13 23-1876	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	216.48	53.84
		For Work In Restricted Working Space, Add	*32.30*	
23 21 13 23-1877	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	216.48	53.84
		For Work In Restricted Working Space, Add	*32.30*	
23 21 13 23-1878	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	233.15	53.84
		For Work In Restricted Working Space, Add	*32.30*	
23 21 13 23-1879	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	251.27	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1880	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	251.27	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1881	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	270.28	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1882	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	275.61	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1883	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	275.61	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1884	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	280.94	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1885	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	291.17	71.79
		For Work In Restricted Working Space, Add	*43.07*	
23 21 13 23-1886	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	359.57	98.70
		For Work In Restricted Working Space, Add	*59.23*	
23 21 13 23-1887	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	359.57	98.70
		For Work In Restricted Working Space, Add	*59.23*	
23 21 13 23-1888	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	368.79	98.70
		For Work In Restricted Working Space, Add	*59.23*	
23 21 13 23-1889	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	380.35	98.70
		For Work In Restricted Working Space, Add	*59.23*	
23 21 13 23-1890	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	417.19	125.63
		For Work In Restricted Working Space, Add	*75.38*	
23 21 13 23-1891	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	417.19	125.63
		For Work In Restricted Working Space, Add	*75.38*	
23 21 13 23-1892	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	430.74	125.63
		For Work In Restricted Working Space, Add	*75.38*	
23 21 13 23-1893	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	442.19	125.63
		For Work In Restricted Working Space, Add	*75.38*	
23 21 13 23-1894	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	462.53	125.63
		For Work In Restricted Working Space, Add	*75.38*	
23 21 13 23-1895	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	626.23	166.30
		For Work In Restricted Working Space, Add	*99.78*	
23 21 13 23-1896	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	626.23	166.30
		For Work In Restricted Working Space, Add	*99.78*	
23 21 13 23-1897	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	642.57	166.30
		For Work In Restricted Working Space, Add	*99.78*	
23 21 13 23-1898	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	652.24	166.30
		For Work In Restricted Working Space, Add	*99.78*	

23 21 13 23-1899 Installation-Ready™ Grooved Fittings *(23 21 13 23-1672)*

23 21 13 23-1900 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1899)*

Note: Victaulic No. 101

23 21 13 23-1901	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	279.38	11.85
		For Work In Restricted Working Space, Add	*5.39*	
		For Galvanized Fittings, Add	*86.27*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1902	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	290.66	14.21
		For Work In Restricted Working Space, Add	*6.46*	
		For Galvanized Fittings, Add	*88.81*	
		For Galvanized Fittings, Add	*68.89*	
23 21 13 23-1903	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	299.77	18.95
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized Fittings, Add	*89.45*	
		For Galvanized Fittings, Add	*69.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1904	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	362.68	23.69
		For Work In Restricted Working Space, Add	*10.77*	
		For Galvanized Fittings, Add	*107.84*	
		For Galvanized Fittings, Add	*83.66*	

23 21 13 23-1905 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1899)*

Note: Victaulic No. 103

23 21 13 23-1906	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	279.38	11.85
		For Work In Restricted Working Space, Add	*5.39*	
		For Galvanized Fittings, Add	*62.74*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-1907	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	290.66	14.21
		For Work In Restricted Working Space, Add	*6.46*	
		For Galvanized Fittings, Add	*64.59*	
		For Galvanized Fittings, Add	*68.89*	
23 21 13 23-1908	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	299.77	18.95
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized Fittings, Add	*65.05*	
		For Galvanized Fittings, Add	*69.39*	
23 21 13 23-1909	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	362.68	23.69
		For Work In Restricted Working Space, Add	*10.77*	
		For Galvanized Fittings, Add	*78.43*	
		For Galvanized Fittings, Add	*83.66*	

23 21 13 23-1910 Installation-Ready™ Grooved Tees *(23 21 13 23-1899)*

Note: Victaulic No. 102

23 21 13 23-1911	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	427.62	15.79
		For Work In Restricted Working Space, Add	*7.18*	
		For Galvanized Fittings, Add	*121.11*	
		For Galvanized Fittings, Add	*103.34*	
23 21 13 23-1912	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	445.86	18.95
		For Work In Restricted Working Space, Add	*8.62*	
		For Galvanized Fittings, Add	*125.14*	
		For Galvanized Fittings, Add	*106.79*	
23 21 13 23-1913	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	461.20	25.26
		For Work In Restricted Working Space, Add	*11.49*	
		For Galvanized Fittings, Add	*126.87*	
		For Galvanized Fittings, Add	*108.26*	
23 21 13 23-1914	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	536.13	31.59
		For Work In Restricted Working Space, Add	*14.36*	
		For Galvanized Fittings, Add	*146.48*	
		For Galvanized Fittings, Add	*125.00*	

23 21 13 23-1915 Grooved Fittings *(23 21 13 23-1672)*

23 21 13 23-1916 Flanged Adapter Nipple, Grooved *(23 21 13 23-1915)*

Note: Victaulic No. 41 and 45

23 21 13 23-1917	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	331.94	14.35
		For Work In Restricted Working Space, Add	*6.46*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1918	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	334.33	15.91
		For Work In Restricted Working Space, Add	*7.18*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1919	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	340.32	19.98
		For Work In Restricted Working Space, Add	*8.98*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1920	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	352.90	28.35
		For Work In Restricted Working Space, Add	*12.75*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1921	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	361.90	34.33
		For Work In Restricted Working Space, Add	*15.45*	
		For Galvanized Fittings, Add	*55.87*	
		For 300 Lb. Rating, Add	*46.56*	
23 21 13 23-1922	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	458.64	41.04
		For Work In Restricted Working Space, Add	*18.44*	
		For Galvanized Fittings, Add	*71.49*	
		For 300 Lb. Rating, Add	*59.58*	
23 21 13 23-1923	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	556.50	55.28
		For Work In Restricted Working Space, Add	*24.85*	
		For Galvanized Fittings, Add	*85.26*	
		For 300 Lb. Rating, Add	*71.05*	
23 21 13 23-1924	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	777.11	66.89
		For Work In Restricted Working Space, Add	*30.08*	
		For Galvanized Fittings, Add	*121.83*	
		For 300 Lb. Rating, Add	*101.53*	
23 21 13 23-1925	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	907.70	90.33
		For Work In Restricted Working Space, Add	*40.64*	
		For Galvanized Fittings, Add	*139.00*	
		For 300 Lb. Rating, Add	*115.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1926	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,249.23	122.28
		For Work In Restricted Working Space, Add	*54.98*	
		For Galvanized Fittings, Add	*191.87*	
		For 300 Lb. Rating, Add	*159.89*	
23 21 13 23-1927	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,962.03	148.48
		For Work In Restricted Working Space, Add	*66.77*	
		For Galvanized Fittings, Add	*313.11*	
		For 300 Lb. Rating, Add	*260.92*	
23 21 13 23-1928	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,638.05	173.13
		For Work In Restricted Working Space, Add	*77.89*	
		For Galvanized Fittings, Add	*428.11*	
		For 300 Lb. Rating, Add	*356.76*	
23 21 13 23-1929	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,116.36	207.83
		For Work In Restricted Working Space, Add	*93.47*	
		For Galvanized Fittings, Add	*504.86*	
		For 300 Lb. Rating, Add	*420.72*	
23 21 13 23-1930	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,665.63	230.92
		For Work In Restricted Working Space, Add	*103.86*	
		For Galvanized Fittings, Add	*777.50*	
		For 300 Lb. Rating, Add	*647.91*	
23 21 13 23-1931	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,592.82	346.37
		For Work In Restricted Working Space, Add	*155.79*	
		For Galvanized Fittings, Add	*913.23*	
		For 300 Lb. Rating, Add	*761.03*	
23 21 13 23-1932	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,911.41	415.65
		For Work In Restricted Working Space, Add	*186.95*	
		For Galvanized Fittings, Add	*951.89*	
		For 300 Lb. Rating, Add	*793.24*	
23 21 13 23-1933	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	9,815.30	461.83
		For Work In Restricted Working Space, Add	*207.72*	
		For Galvanized Fittings, Add	*1,642.12*	
		For 300 Lb. Rating, Add	*1,368.44*	

23 21 13 23-1934 Grooved Concentric Reducers *(23 21 13 23-1915)*

Note: Victaulic No. 50

23 21 13 23-1935	EA	1-1/4" x 3/4", Grooved Concentric Reducer	352.61	14.35
		For Work In Restricted Working Space, Add	*6.46*	
		For Galvanized Fittings, Add	*14.57*	
23 21 13 23-1936	EA	1-1/4" x 1", Grooved Concentric Reducer	368.72	15.20
		For Work In Restricted Working Space, Add	*6.82*	
		For Galvanized Fittings, Add	*15.22*	
23 21 13 23-1937	EA	1-1/2" x 3/4", Grooved Concentric Reducer	415.29	16.39
		For Work In Restricted Working Space, Add	*7.36*	
		For Galvanized Fittings, Add	*46.97*	
23 21 13 23-1938	EA	1-1/2" x 1", Grooved Concentric Reducer	109.41	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1939	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	350.81	17.95
		For Work In Restricted Working Space, Add	*8.08*	
		For Galvanized Fittings, Add	*38.93*	
23 21 13 23-1940	EA	2" x 3/4", Grooved Concentric Reducer	112.99	19.51
		For Work In Restricted Working Space, Add	*8.79*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1941	EA	2" x 1", Grooved Concentric Reducer	114.19	20.34
		For Work In Restricted Working Space, Add	*9.15*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1942	EA	2" x 1-1/4", Grooved Concentric Reducer	123.79	21.18
		For Work In Restricted Working Space, Add	*9.51*	
		For Galvanized Fittings, Add	*11.07*	
23 21 13 23-1943	EA	2" x 1-1/2", Grooved Concentric Reducer	119.04	23.57
		For Work In Restricted Working Space, Add	*10.61*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1944	EA	2-1/2" x 3/4", Grooved Concentric Reducer	714.06	22.01
		For Work In Restricted Working Space, Add	*9.90*	
		For Galvanized Fittings, Add	*81.86*	
23 21 13 23-1945	EA	2-1/2" x 1", Grooved Concentric Reducer	568.43	22.85
		For Work In Restricted Working Space, Add	*10.25*	
		For Galvanized Fittings, Add	*64.22*	
23 21 13 23-1946	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	518.98	23.57
		For Work In Restricted Working Space, Add	*10.61*	
		For Galvanized Fittings, Add	*58.13*	
23 21 13 23-1947	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	122.56	25.96
		For Work In Restricted Working Space, Add	*11.66*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1948	EA	2-1/2" x 2", Grooved Concentric Reducer	127.34	29.07
		For Work In Restricted Working Space, Add	*13.10*	
		For Galvanized Fittings, Add	*10.06*	
23 21 13 23-1949	EA	3" x 3/4", Grooved Concentric Reducer	723.81	25.61
		For Work In Restricted Working Space, Add	*11.50*	
		For Galvanized Fittings, Add	*104.19*	
23 21 13 23-1950	EA	3" x 1", Grooved Concentric Reducer	131.84	26.32
		For Work In Restricted Working Space, Add	*11.83*	
		For Galvanized Fittings, Add	*14.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1951	EA	3" x 1-1/4", Grooved Concentric Reducer	571.58	27.16
		For Work In Restricted Working Space, Add	*12.20*	
		For Galvanized Fittings, Add	*80.70*	
23 21 13 23-1952	EA	3" x 1-1/2", Grooved Concentric Reducer	537.01	29.07
		For Work In Restricted Working Space, Add	*13.10*	
		For Galvanized Fittings, Add	*74.99*	
23 21 13 23-1953	EA	3" x 2", Grooved Concentric Reducer	121.86	32.30
		For Work In Restricted Working Space, Add	*14.54*	
		For Galvanized Fittings, Add	*11.16*	
23 21 13 23-1954	EA	3" x 2-1/2", Grooved Concentric Reducer	158.89	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*15.37*	
23 21 13 23-1955	EA	3-1/2" x 3", Grooved Concentric Reducer	170.00	41.52
		For Work In Restricted Working Space, Add	*18.67*	
		For Galvanized Fittings, Add	*16.38*	
23 21 13 23-1956	EA	4" x 1", Grooved Concentric Reducer	160.15	32.66
		For Work In Restricted Working Space, Add	*14.72*	
		For Galvanized Fittings, Add	*19.05*	
23 21 13 23-1957	EA	4" x 1-1/4", Grooved Concentric Reducer	928.51	33.50
		For Work In Restricted Working Space, Add	*15.08*	
		For Galvanized Fittings, Add	*150.62*	
23 21 13 23-1958	EA	4" x 1-1/2", Grooved Concentric Reducer	724.68	35.53
		For Work In Restricted Working Space, Add	*15.98*	
		For Galvanized Fittings, Add	*115.15*	
23 21 13 23-1959	EA	4" x 2", Grooved Concentric Reducer	155.76	38.76
		For Work In Restricted Working Space, Add	*17.41*	
		For Galvanized Fittings, Add	*16.76*	
23 21 13 23-1960	EA	4" x 2-1/2", Grooved Concentric Reducer	184.71	41.52
		For Work In Restricted Working Space, Add	*18.67*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1961	EA	4" x 3", Grooved Concentric Reducer	189.49	44.75
		For Work In Restricted Working Space, Add	*20.10*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1962	EA	4" x 3-1/2", Grooved Concentric Reducer	194.28	47.86
		For Work In Restricted Working Space, Add	*21.54*	
		For Galvanized Fittings, Add	*21.01*	
23 21 13 23-1963	EA	5" x 2", Grooved Concentric Reducer	1,303.57	45.10
		For Work In Restricted Working Space, Add	*20.28*	
		For Galvanized Fittings, Add	*211.97*	
23 21 13 23-1964	EA	5" x 2-1/2", Grooved Concentric Reducer	1,030.75	47.86
		For Work In Restricted Working Space, Add	*21.54*	
		For Galvanized Fittings, Add	*164.46*	
23 21 13 23-1965	EA	5" x 3", Grooved Concentric Reducer	219.95	51.09
		For Work In Restricted Working Space, Add	*22.97*	
		For Galvanized Fittings, Add	*24.59*	
23 21 13 23-1966	EA	5" x 4", Grooved Concentric Reducer	257.38	57.43
		For Work In Restricted Working Space, Add	*25.85*	
		For Galvanized Fittings, Add	*29.37*	
23 21 13 23-1967	EA	6" x 1", Grooved Concentric Reducer	300.71	48.70
		For Work In Restricted Working Space, Add	*21.90*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1968	EA	6" x 1-1/2", Grooved Concentric Reducer	1,376.69	51.45
		For Work In Restricted Working Space, Add	*23.15*	
		For Galvanized Fittings, Add	*242.49*	
23 21 13 23-1969	EA	6" x 2", Grooved Concentric Reducer	309.66	54.68
		For Work In Restricted Working Space, Add	*24.58*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1970	EA	6" x 2-1/2", Grooved Concentric Reducer	1,393.08	57.43
		For Work In Restricted Working Space, Add	*25.85*	
		For Galvanized Fittings, Add	*243.87*	
23 21 13 23-1971	EA	6" x 3", Grooved Concentric Reducer	318.66	60.66
		For Work In Restricted Working Space, Add	*27.28*	
		For Galvanized Fittings, Add	*42.49*	
23 21 13 23-1972	EA	6" x 4", Grooved Concentric Reducer	298.82	67.00
		For Work In Restricted Working Space, Add	*30.15*	
		For Galvanized Fittings, Add	*37.00*	
23 21 13 23-1973	EA	6" x 5", Grooved Concentric Reducer	403.47	73.46
		For Work In Restricted Working Space, Add	*33.03*	
		For Galvanized Fittings, Add	*54.74*	
23 21 13 23-1974	EA	8" x 3", Grooved Concentric Reducer	509.79	68.68
		For Work In Restricted Working Space, Add	*30.87*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1975	EA	8" x 4", Grooved Concentric Reducer	519.35	75.02
		For Work In Restricted Working Space, Add	*33.74*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1976	EA	8" x 5", Grooved Concentric Reducer	528.94	81.36
		For Work In Restricted Working Space, Add	*36.61*	
		For Galvanized Fittings, Add	*75.93*	
23 21 13 23-1977	EA	8" x 6", Grooved Concentric Reducer	655.28	90.93
		For Work In Restricted Working Space, Add	*40.92*	
		For Galvanized Fittings, Add	*96.82*	
23 21 13 23-1978	EA	10" x 4", Grooved Concentric Reducer	1,093.84	83.39
		For Work In Restricted Working Space, Add	*37.52*	
		For Galvanized Fittings, Add	*180.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1979	EA	10" x 5", Grooved Concentric Reducer	2,270.17	89.74
		For Work In Restricted Working Space, Add	*40.39*	
		For Galvanized Fittings, Add	*398.49*	
23 21 13 23-1980	EA	10" x 6", Grooved Concentric Reducer	1,208.39	99.31
		For Work In Restricted Working Space, Add	*44.69*	
		For Galvanized Fittings, Add	*197.69*	
23 21 13 23-1981	EA	10" x 8", Grooved Concentric Reducer	1,220.33	107.32
		For Work In Restricted Working Space, Add	*48.27*	
		For Galvanized Fittings, Add	*197.69*	
23 21 13 23-1982	EA	12" x 4", Grooved Concentric Reducer	3,349.40	95.00
		For Work In Restricted Working Space, Add	*42.71*	
		For Galvanized Fittings, Add	*481.05*	
23 21 13 23-1983	EA	12" x 6", Grooved Concentric Reducer	1,429.86	110.91
		For Work In Restricted Working Space, Add	*49.88*	
		For Galvanized Fittings, Add	*189.54*	
23 21 13 23-1984	EA	12" x 8", Grooved Concentric Reducer	2,076.36	118.93
		For Work In Restricted Working Space, Add	*53.48*	
		For Galvanized Fittings, Add	*284.72*	
23 21 13 23-1985	EA	12" x 10", Grooved Concentric Reducer	2,089.00	127.30
		For Work In Restricted Working Space, Add	*57.27*	
		For Galvanized Fittings, Add	*284.72*	
23 21 13 23-1986	EA	14" x 6", Grooved Concentric Reducer	6,619.47	119.53
		For Work In Restricted Working Space, Add	*53.77*	
		For Galvanized Fittings, Add	*197.72*	
23 21 13 23-1987	EA	14" x 8", Grooved Concentric Reducer	3,971.43	127.54
		For Work In Restricted Working Space, Add	*57.38*	
		For Galvanized Fittings, Add	*116.05*	
23 21 13 23-1988	EA	14" x 10", Grooved Concentric Reducer	3,395.53	135.92
		For Work In Restricted Working Space, Add	*61.13*	
		For Galvanized Fittings, Add	*97.99*	
23 21 13 23-1989	EA	14" x 12", Grooved Concentric Reducer	3,412.84	147.40
		For Work In Restricted Working Space, Add	*66.32*	
		For Galvanized Fittings, Add	*97.99*	
23 21 13 23-1990	EA	16" x 8", Grooved Concentric Reducer	6,028.35	136.04
		For Work In Restricted Working Space, Add	*61.21*	
		For Galvanized Fittings, Add	*178.81*	
23 21 13 23-1991	EA	16" x 10", Grooved Concentric Reducer	5,601.50	144.41
		For Work In Restricted Working Space, Add	*64.98*	
		For Galvanized Fittings, Add	*165.32*	
23 21 13 23-1992	EA	16" x 12", Grooved Concentric Reducer	5,188.12	156.02
		For Work In Restricted Working Space, Add	*70.16*	
		For Galvanized Fittings, Add	*152.10*	
23 21 13 23-1993	EA	16" x 14", Grooved Concentric Reducer	5,201.04	164.63
		For Work In Restricted Working Space, Add	*74.04*	
		For Galvanized Fittings, Add	*152.10*	
23 21 13 23-1994	EA	18" x 10", Grooved Concentric Reducer	7,832.43	152.42
		For Work In Restricted Working Space, Add	*68.55*	
		For Galvanized Fittings, Add	*233.44*	
23 21 13 23-1995	EA	18" x 12", Grooved Concentric Reducer	7,101.89	163.92
		For Work In Restricted Working Space, Add	*73.73*	
		For Galvanized Fittings, Add	*210.48*	
23 21 13 23-1996	EA	18" x 14", Grooved Concentric Reducer	6,465.54	172.53
		For Work In Restricted Working Space, Add	*77.63*	
		For Galvanized Fittings, Add	*190.55*	
23 21 13 23-1997	EA	18" x 16", Grooved Concentric Reducer	6,478.46	181.26
		For Work In Restricted Working Space, Add	*81.50*	
		For Galvanized Fittings, Add	*190.55*	
23 21 13 23-1998	EA	20" x 10", Grooved Concentric Reducer	8,616.44	156.38
		For Work In Restricted Working Space, Add	*70.33*	
		For Galvanized Fittings, Add	*257.33*	
23 21 13 23-1999	EA	20" x 12", Grooved Concentric Reducer	7,398.06	167.99
		For Work In Restricted Working Space, Add	*75.53*	
		For Galvanized Fittings, Add	*219.39*	
23 21 13 23-2000	EA	20" x 14", Grooved Concentric Reducer	7,410.99	176.59
		For Work In Restricted Working Space, Add	*79.41*	
		For Galvanized Fittings, Add	*219.39*	
23 21 13 23-2001	EA	20" x 16", Grooved Concentric Reducer	6,617.46	185.09
		For Work In Restricted Working Space, Add	*83.24*	
		For Galvanized Fittings, Add	*194.64*	
23 21 13 23-2002	EA	20" x 18", Grooved Concentric Reducer	7,050.38	193.11
		For Work In Restricted Working Space, Add	*86.87*	
		For Galvanized Fittings, Add	*207.56*	
23 21 13 23-2003	EA	24" x 10", Grooved Concentric Reducer	18,938.96	173.96
		For Work In Restricted Working Space, Add	*78.23*	
		For Galvanized Fittings, Add	*573.42*	
23 21 13 23-2004	EA	24" x 12", Grooved Concentric Reducer	18,505.31	185.57
		For Work In Restricted Working Space, Add	*83.48*	
		For Galvanized Fittings, Add	*559.57*	
23 21 13 23-2005	EA	24" x 14", Grooved Concentric Reducer	16,138.08	194.07
		For Work In Restricted Working Space, Add	*87.29*	
		For Galvanized Fittings, Add	*486.51*	
23 21 13 23-2006	EA	24" x 16", Grooved Concentric Reducer	16,151.08	202.80
		For Work In Restricted Working Space, Add	*91.19*	
		For Galvanized Fittings, Add	*486.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2007	EA	24" x 18", Grooved Concentric Reducer	13,842.25	210.69
		For Work In Restricted Working Space, Add	*94.76*	
		For Galvanized Fittings, Add	*415.26*	
23 21 13 23-2008	EA	24" x 20", Grooved Concentric Reducer	12,650.21	214.76
		For Work In Restricted Working Space, Add	*96.59*	
		For Galvanized Fittings, Add	*378.48*	
23 21 13 23-2009		Grooved Eccentric Reducers *(23 21 13 23-1915)*		
		Note: Victaulic No. 51		
23 21 13 23-2010	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	428.78	16.39
		For Work In Restricted Working Space, Add	*7.36*	
		For Galvanized Fittings, Add	*48.59*	
23 21 13 23-2011	EA	1-1/2" x 1", Grooved Eccentric Reducer	390.63	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Galvanized Fittings, Add	*43.86*	
23 21 13 23-2012	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	383.86	17.95
		For Work In Restricted Working Space, Add	*8.08*	
		For Galvanized Fittings, Add	*42.90*	
23 21 13 23-2013	EA	2" x 3/4", Grooved Eccentric Reducer	814.82	19.51
		For Work In Restricted Working Space, Add	*8.79*	
		For Galvanized Fittings, Add	*94.42*	
23 21 13 23-2014	EA	2" x 1", Grooved Eccentric Reducer	433.43	20.34
		For Work In Restricted Working Space, Add	*9.15*	
		For Galvanized Fittings, Add	*48.43*	
23 21 13 23-2015	EA	2" x 1-1/4", Grooved Eccentric Reducer	473.43	21.18
		For Work In Restricted Working Space, Add	*9.51*	
		For Galvanized Fittings, Add	*53.09*	
23 21 13 23-2016	EA	2" x 1-1/2", Grooved Eccentric Reducer	405.12	23.57
		For Work In Restricted Working Space, Add	*10.61*	
		For Galvanized Fittings, Add	*44.45*	
23 21 13 23-2017	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	1,058.39	22.01
		For Work In Restricted Working Space, Add	*9.90*	
		For Galvanized Fittings, Add	*123.25*	
23 21 13 23-2018	EA	2-1/2" x 1", Grooved Eccentric Reducer	989.48	22.85
		For Work In Restricted Working Space, Add	*10.25*	
		For Galvanized Fittings, Add	*114.83*	
23 21 13 23-2019	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	590.17	23.57
		For Work In Restricted Working Space, Add	*10.61*	
		For Galvanized Fittings, Add	*66.69*	
23 21 13 23-2020	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	478.50	25.96
		For Work In Restricted Working Space, Add	*11.66*	
		For Galvanized Fittings, Add	*52.84*	
23 21 13 23-2021	EA	2-1/2" x 2", Grooved Eccentric Reducer	220.75	29.07
		For Work In Restricted Working Space, Add	*13.10*	
		For Galvanized Fittings, Add	*21.29*	
23 21 13 23-2022	EA	3" x 1", Grooved Eccentric Reducer	1,064.15	26.32
		For Work In Restricted Working Space, Add	*11.83*	
		For Galvanized Fittings, Add	*123.17*	
23 21 13 23-2023	EA	3" x 1-1/4", Grooved Eccentric Reducer	968.31	27.16
		For Work In Restricted Working Space, Add	*12.20*	
		For Galvanized Fittings, Add	*111.50*	
23 21 13 23-2024	EA	3" x 1-1/2", Grooved Eccentric Reducer	552.15	29.07
		For Work In Restricted Working Space, Add	*13.10*	
		For Galvanized Fittings, Add	*61.12*	
23 21 13 23-2025	EA	3" x 2", Grooved Eccentric Reducer	251.97	32.30
		For Work In Restricted Working Space, Add	*14.54*	
		For Galvanized Fittings, Add	*24.46*	
23 21 13 23-2026	EA	3" x 2-1/2", Grooved Eccentric Reducer	261.25	38.52
		For Work In Restricted Working Space, Add	*17.32*	
		For Galvanized Fittings, Add	*24.46*	
23 21 13 23-2027	EA	3-1/2" x 3", Grooved Eccentric Reducer	1,188.08	41.52
		For Work In Restricted Working Space, Add	*18.67*	
		For Galvanized Fittings, Add	*135.33*	
23 21 13 23-2028	EA	4" x 1", Grooved Eccentric Reducer	2,126.13	32.66
		For Work In Restricted Working Space, Add	*14.72*	
		For Galvanized Fittings, Add	*356.22*	
23 21 13 23-2029	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,309.44	35.53
		For Work In Restricted Working Space, Add	*15.98*	
		For Galvanized Fittings, Add	*215.44*	
23 21 13 23-2030	EA	4" x 2", Grooved Eccentric Reducer	306.87	38.76
		For Work In Restricted Working Space, Add	*17.41*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-2031	EA	4" x 2-1/2", Grooved Eccentric Reducer	311.06	41.52
		For Work In Restricted Working Space, Add	*18.67*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-2032	EA	4" x 3", Grooved Eccentric Reducer	315.84	44.75
		For Work In Restricted Working Space, Add	*20.10*	
		For Galvanized Fittings, Add	*42.67*	
23 21 13 23-2033	EA	5" x 2", Grooved Eccentric Reducer	1,452.80	45.10
		For Work In Restricted Working Space, Add	*20.28*	
		For Galvanized Fittings, Add	*237.56*	
23 21 13 23-2034	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,251.94	47.86
		For Work In Restricted Working Space, Add	*21.54*	
		For Galvanized Fittings, Add	*202.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2035	EA	5" x 3", Grooved Eccentric Reducer	1,216.48	51.09
		For Work In Restricted Working Space, Add	*22.97*	
		For Galvanized Fittings, Add	*195.49*	
23 21 13 23-2036	EA	5" x 4", Grooved Eccentric Reducer	425.07	57.43
		For Work In Restricted Working Space, Add	*25.85*	
		For Galvanized Fittings, Add	*58.12*	
23 21 13 23-2037	EA	6" x 1", Grooved Eccentric Reducer	2,226.34	48.70
		For Work In Restricted Working Space, Add	*21.90*	
		For Galvanized Fittings, Add	*401.82*	
23 21 13 23-2038	EA	6" x 2", Grooved Eccentric Reducer	2,045.71	54.68
		For Work In Restricted Working Space, Add	*24.58*	
		For Galvanized Fittings, Add	*366.44*	
23 21 13 23-2039	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,424.54	57.43
		For Work In Restricted Working Space, Add	*25.85*	
		For Galvanized Fittings, Add	*436.34*	
23 21 13 23-2040	EA	6" x 3", Grooved Eccentric Reducer	542.17	60.66
		For Work In Restricted Working Space, Add	*27.28*	
		For Galvanized Fittings, Add	*84.20*	
23 21 13 23-2041	EA	6" x 4", Grooved Eccentric Reducer	495.47	67.00
		For Work In Restricted Working Space, Add	*30.15*	
		For Galvanized Fittings, Add	*73.70*	
23 21 13 23-2042	EA	6" x 5", Grooved Eccentric Reducer	583.87	73.46
		For Work In Restricted Working Space, Add	*33.03*	
		For Galvanized Fittings, Add	*88.41*	
23 21 13 23-2043	EA	8" x 3", Grooved Eccentric Reducer	2,384.58	68.68
		For Work In Restricted Working Space, Add	*30.87*	
		For Galvanized Fittings, Add	*425.76*	
23 21 13 23-2044	EA	8" x 4", Grooved Eccentric Reducer	2,106.51	75.02
		For Work In Restricted Working Space, Add	*33.74*	
		For Galvanized Fittings, Add	*372.09*	
23 21 13 23-2045	EA	8" x 5", Grooved Eccentric Reducer	1,978.58	81.36
		For Work In Restricted Working Space, Add	*36.61*	
		For Galvanized Fittings, Add	*346.43*	
23 21 13 23-2046	EA	8" x 6", Grooved Eccentric Reducer	937.27	90.93
		For Work In Restricted Working Space, Add	*40.92*	
		For Galvanized Fittings, Add	*149.44*	
23 21 13 23-2047	EA	10" x 4", Grooved Eccentric Reducer	3,784.19	83.39
		For Work In Restricted Working Space, Add	*37.52*	
		For Galvanized Fittings, Add	*682.80*	
23 21 13 23-2048	EA	10" x 5", Grooved Eccentric Reducer	3,582.08	89.74
		For Work In Restricted Working Space, Add	*40.39*	
		For Galvanized Fittings, Add	*643.30*	
23 21 13 23-2049	EA	10" x 6", Grooved Eccentric Reducer	2,748.67	99.31
		For Work In Restricted Working Space, Add	*44.69*	
		For Galvanized Fittings, Add	*485.11*	
23 21 13 23-2050	EA	10" x 8", Grooved Eccentric Reducer	2,361.23	107.32
		For Work In Restricted Working Space, Add	*48.27*	
		For Galvanized Fittings, Add	*410.58*	
23 21 13 23-2051	EA	12" x 4", Grooved Eccentric Reducer	3,863.08	95.00
		For Work In Restricted Working Space, Add	*42.71*	
		For Galvanized Fittings, Add	*561.46*	
23 21 13 23-2052	EA	12" x 6", Grooved Eccentric Reducer	3,639.25	110.91
		For Work In Restricted Working Space, Add	*49.88*	
		For Galvanized Fittings, Add	*524.07*	
23 21 13 23-2053	EA	12" x 8", Grooved Eccentric Reducer	3,562.37	118.93
		For Work In Restricted Working Space, Add	*53.48*	
		For Galvanized Fittings, Add	*510.66*	
23 21 13 23-2054	EA	12" x 10", Grooved Eccentric Reducer	3,222.05	127.30
		For Work In Restricted Working Space, Add	*57.27*	
		For Galvanized Fittings, Add	*457.40*	
23 21 13 23-2055	EA	14" x 6", Grooved Eccentric Reducer	8,942.17	119.53
		For Work In Restricted Working Space, Add	*53.77*	
		For Galvanized Fittings, Add	*269.02*	
23 21 13 23-2056	EA	14" x 8", Grooved Eccentric Reducer	5,793.60	127.54
		For Work In Restricted Working Space, Add	*57.38*	
		For Galvanized Fittings, Add	*171.99*	
23 21 13 23-2057	EA	14" x 10", Grooved Eccentric Reducer	5,536.83	135.92
		For Work In Restricted Working Space, Add	*61.13*	
		For Galvanized Fittings, Add	*163.73*	
23 21 13 23-2058	EA	14" x 12", Grooved Eccentric Reducer	5,554.14	147.40
		For Work In Restricted Working Space, Add	*66.32*	
		For Galvanized Fittings, Add	*163.73*	
23 21 13 23-2059	EA	16" x 8", Grooved Eccentric Reducer	9,881.60	136.04
		For Work In Restricted Working Space, Add	*61.21*	
		For Galvanized Fittings, Add	*297.10*	
23 21 13 23-2060	EA	16" x 10", Grooved Eccentric Reducer	9,159.39	144.41
		For Work In Restricted Working Space, Add	*64.98*	
		For Galvanized Fittings, Add	*274.54*	
23 21 13 23-2061	EA	16" x 12", Grooved Eccentric Reducer	8,636.90	156.02
		For Work In Restricted Working Space, Add	*70.16*	
		For Galvanized Fittings, Add	*257.97*	
23 21 13 23-2062	EA	16" x 14", Grooved Eccentric Reducer	8,649.82	164.63
		For Work In Restricted Working Space, Add	*74.04*	
		For Galvanized Fittings, Add	*257.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2063	EA	18" x 10", Grooved Eccentric Reducer	12,391.60	152.42
		For Work In Restricted Working Space, Add	*68.55*	
		For Galvanized Fittings, Add	*373.41*	
23 21 13 23-2064	EA	18" x 12", Grooved Eccentric Reducer	11,666.92	163.92
		For Work In Restricted Working Space, Add	*73.73*	
		For Galvanized Fittings, Add	*350.63*	
23 21 13 23-2065	EA	18" x 14", Grooved Eccentric Reducer	10,635.38	172.53
		For Work In Restricted Working Space, Add	*77.63*	
		For Galvanized Fittings, Add	*318.56*	
23 21 13 23-2066	EA	18" x 16", Grooved Eccentric Reducer	10,648.30	181.26
		For Work In Restricted Working Space, Add	*81.50*	
		For Galvanized Fittings, Add	*318.56*	
23 21 13 23-2067	EA	20" x 10", Grooved Eccentric Reducer	16,262.48	156.38
		For Work In Restricted Working Space, Add	*70.33*	
		For Galvanized Fittings, Add	*492.06*	
23 21 13 23-2068	EA	20" x 12", Grooved Eccentric Reducer	12,107.57	167.99
		For Work In Restricted Working Space, Add	*75.53*	
		For Galvanized Fittings, Add	*363.97*	
23 21 13 23-2069	EA	20" x 14", Grooved Eccentric Reducer	11,379.32	176.59
		For Work In Restricted Working Space, Add	*79.41*	
		For Galvanized Fittings, Add	*341.22*	
23 21 13 23-2070	EA	20" x 16", Grooved Eccentric Reducer	11,212.23	185.09
		For Work In Restricted Working Space, Add	*83.24*	
		For Galvanized Fittings, Add	*335.70*	
23 21 13 23-2071	EA	20" x 18", Grooved Eccentric Reducer	10,805.37	193.11
		For Work In Restricted Working Space, Add	*86.87*	
		For Galvanized Fittings, Add	*322.84*	
23 21 13 23-2072	EA	24" x 12", Grooved Eccentric Reducer	23,480.89	185.57
		For Work In Restricted Working Space, Add	*83.48*	
		For Galvanized Fittings, Add	*712.32*	
23 21 13 23-2073	EA	24" x 14", Grooved Eccentric Reducer	20,066.28	194.07
		For Work In Restricted Working Space, Add	*87.29*	
		For Galvanized Fittings, Add	*607.10*	
23 21 13 23-2074	EA	24" x 16", Grooved Eccentric Reducer	20,079.28	202.80
		For Work In Restricted Working Space, Add	*91.19*	
		For Galvanized Fittings, Add	*607.10*	
23 21 13 23-2075	EA	24" x 18", Grooved Eccentric Reducer	18,968.61	210.69
		For Work In Restricted Working Space, Add	*94.76*	
		For Galvanized Fittings, Add	*572.64*	
23 21 13 23-2076	EA	24" x 20", Grooved Eccentric Reducer	17,343.58	214.76
		For Work In Restricted Working Space, Add	*96.59*	
		For Galvanized Fittings, Add	*522.56*	

23 21 13 23-2077 Grooved, Close Nipple *(23 21 13 23-1915)*

Note: Victaulic No. 143

23 21 13 23-2078	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	66.86	15.79
		For Work In Restricted Working Space, Add	*7.18*	
		For Galvanized Fittings, Add	*7.73*	
		For 300 Lb. Rating, Add	*6.44*	
		For Galvanized Fittings, Add	*10.99*	
23 21 13 23-2079	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	76.70	19.74
		For Work In Restricted Working Space, Add	*8.98*	
		For Galvanized Fittings, Add	*8.42*	
		For 300 Lb. Rating, Add	*7.02*	
		For Galvanized Fittings, Add	*11.98*	
23 21 13 23-2080	EA	2" Ductile Iron, Grooved, Close Nipple	95.88	26.06
		For Work In Restricted Working Space, Add	*11.85*	
		For Galvanized Fittings, Add	*10.15*	
		For 300 Lb. Rating, Add	*8.46*	
		For Galvanized Fittings, Add	*14.44*	
23 21 13 23-2081	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	114.50	31.59
		For Work In Restricted Working Space, Add	*14.36*	
		For Galvanized Fittings, Add	*12.00*	
		For 300 Lb. Rating, Add	*10.00*	
		For Galvanized Fittings, Add	*17.06*	

23 21 13 23-2082 Grooved Caps *(23 21 13 23-1915)*

Note: Victaulic No. 60

23 21 13 23-2083	EA	1" Carbon Steel Grooved Cap	141.56	4.90
		For Work In Restricted Working Space, Add	*2.94*	
23 21 13 23-2084	EA	1-1/4" Carbon Steel Grooved Cap	143.95	6.10
		For Work In Restricted Working Space, Add	*3.66*	
23 21 13 23-2085	EA	1-1/2" Carbon Steel Grooved Cap	146.59	7.42
		For Work In Restricted Working Space, Add	*4.45*	
23 21 13 23-2086	EA	2" Carbon Steel Grooved Cap	151.26	9.81
		For Work In Restricted Working Space, Add	*5.85*	
23 21 13 23-2087	EA	2-1/2" Carbon Steel Grooved Cap	155.56	11.97
		For Work In Restricted Working Space, Add	*7.14*	
23 21 13 23-2088	EA	3" Carbon Steel Grooved Cap	160.59	14.47
		For Work In Restricted Working Space, Add	*8.65*	
23 21 13 23-2089	EA	4" Carbon Steel Grooved Cap	178.53	19.14
		For Work In Restricted Working Space, Add	*11.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2090	EA	5" Carbon Steel Grooved Cap	370.19	23.81
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2091	EA	6" Carbon Steel Grooved Cap	384.47	31.22
		For Work In Restricted Working Space, Add	*18.70*	
23 21 13 23-2092	EA	8" Carbon Steel Grooved Cap	686.71	37.09
		For Work In Restricted Working Space, Add	*22.25*	
23 21 13 23-2093	EA	10" Carbon Steel Grooved Cap	1,154.74	43.31
		For Work In Restricted Working Space, Add	*25.95*	
23 21 13 23-2094	EA	12" Carbon Steel Grooved Cap	1,971.60	51.93
		For Work In Restricted Working Space, Add	*31.16*	

23 21 13 23-2095 Grooved Couplings *(23 21 13 23-1672)*

23 21 13 23-2096 Flexible Grooved Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 77

23 21 13 23-2097	EA	3/4" Grooved Standard Coupling	25.54	6.46
		For Work In Restricted Working Space, Add	*2.93*	
		For Galvanized Fittings, Add	*4.42*	
23 21 13 23-2098	EA	1" Grooved Standard Coupling	25.54	6.46
		For Work In Restricted Working Space, Add	*2.93*	
		For Galvanized Fittings, Add	*4.42*	
23 21 13 23-2099	EA	1-1/4" Grooved Standard Coupling	33.20	8.13
		For Work In Restricted Working Space, Add	*3.67*	
		For Galvanized Fittings, Add	*5.87*	
23 21 13 23-2100	EA	1-1/2" Grooved Standard Coupling	37.52	9.69
		For Work In Restricted Working Space, Add	*4.38*	
		For Galvanized Fittings, Add	*6.42*	
23 21 13 23-2101	EA	2" Grooved Standard Coupling	43.78	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*6.78*	
23 21 13 23-2102	EA	2-1/2" Grooved Standard Coupling	52.82	15.91
		For Work In Restricted Working Space, Add	*7.15*	
		For Galvanized Fittings, Add	*8.12*	
23 21 13 23-2103	EA	3" Grooved Standard Coupling	57.44	19.02
		For Work In Restricted Working Space, Add	*8.53*	
		For Galvanized Fittings, Add	*8.12*	
23 21 13 23-2104	EA	3-1/2" Grooved Standard Coupling	80.16	22.26
		For Work In Restricted Working Space, Add	*10.03*	
		For Galvanized Fittings, Add	*13.08*	
23 21 13 23-2105	EA	4" Grooved Standard Coupling	84.84	25.37
		For Work In Restricted Working Space, Add	*11.43*	
		For Galvanized Fittings, Add	*13.08*	
23 21 13 23-2106	EA	5" Grooved Standard Coupling	119.27	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*20.06*	
23 21 13 23-2107	EA	6" Grooved Standard Coupling	147.01	41.52
		For Work In Restricted Working Space, Add	*18.70*	
		For Galvanized Fittings, Add	*23.71*	
23 21 13 23-2108	EA	8" Grooved Standard Coupling	212.23	49.53
		For Work In Restricted Working Space, Add	*22.25*	
		For Galvanized Fittings, Add	*38.65*	
23 21 13 23-2109	EA	10" Grooved Standard Coupling	318.45	59.35
		For Work In Restricted Working Space, Add	*26.71*	
		For Galvanized Fittings, Add	*64.24*	
23 21 13 23-2110	EA	12" Grooved Standard Coupling	358.59	64.96
		For Work In Restricted Working Space, Add	*29.21*	
		For Galvanized Fittings, Add	*73.14*	
23 21 13 23-2111	EA	14" Grooved Standard Coupling	447.17	86.63
		For Work In Restricted Working Space, Add	*38.95*	
		For Galvanized Fittings, Add	*88.86*	
23 21 13 23-2112	EA	16" Grooved Standard Coupling	572.04	103.97
		For Work In Restricted Working Space, Add	*46.74*	
		For Galvanized Fittings, Add	*116.55*	
23 21 13 23-2113	EA	18" Grooved Standard Coupling	660.58	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*136.49*	
23 21 13 23-2114	EA	20" Grooved Standard Coupling	961.63	129.94
		For Work In Restricted Working Space, Add	*58.42*	
		For Galvanized Fittings, Add	*214.73*	
23 21 13 23-2115	EA	24" Grooved Standard Coupling	1,080.68	159.84
		For Work In Restricted Working Space, Add	*71.90*	
		For Galvanized Fittings, Add	*235.48*	

23 21 13 23-2116 Zero-Flex® Rigid Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 07

23 21 13 23-2117	EA	1" Grooved Rigid Coupling	31.71	6.46
		For Work In Restricted Working Space, Add	*2.93*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2118	EA	1-1/4" Grooved Rigid Coupling	34.16	8.13
		For Work In Restricted Working Space, Add	*3.67*	
		For Galvanized Fittings, Add	*5.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2119	EA	1-1/2" Grooved Rigid Coupling	36.53	9.69
		For Work In Restricted Working Space, Add	*4.38*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2120	EA	2" Grooved Rigid Coupling	42.05	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*5.51*	
23 21 13 23-2121	EA	2-1/2" Grooved Rigid Coupling	49.76	15.91
		For Work In Restricted Working Space, Add	*7.15*	
		For Galvanized Fittings, Add	*6.36*	
23 21 13 23-2122	EA	3" Grooved Rigid Coupling	54.38	19.02
		For Work In Restricted Working Space, Add	*8.53*	
		For Galvanized Fittings, Add	*6.36*	
23 21 13 23-2123	EA	3-1/2" Grooved Rigid Coupling	63.74	22.26
		For Work In Restricted Working Space, Add	*10.03*	
		For Galvanized Fittings, Add	*7.43*	
23 21 13 23-2124	EA	4" Grooved Rigid Coupling	81.06	25.37
		For Work In Restricted Working Space, Add	*11.43*	
		For Galvanized Fittings, Add	*10.52*	
23 21 13 23-2125	EA	5" Grooved Rigid Coupling	103.41	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*13.67*	
23 21 13 23-2126	EA	6" Grooved Rigid Coupling	136.87	41.52
		For Work In Restricted Working Space, Add	*18.70*	
		For Galvanized Fittings, Add	*18.26*	
23 21 13 23-2127	EA	8" Grooved Rigid Coupling	191.64	49.53
		For Work In Restricted Working Space, Add	*22.25*	
		For Galvanized Fittings, Add	*28.78*	
23 21 13 23-2128	EA	10" Grooved Rigid Coupling	299.48	59.35
		For Work In Restricted Working Space, Add	*26.71*	
		For Galvanized Fittings, Add	*51.56*	
23 21 13 23-2129	EA	12" Grooved Rigid Coupling	332.89	64.96
		For Work In Restricted Working Space, Add	*29.21*	
		For Galvanized Fittings, Add	*57.70*	
23 21 13 23-2130	EA	14" Grooved Rigid Coupling	437.53	86.63
		For Work In Restricted Working Space, Add	*38.95*	
		For Galvanized Fittings, Add	*75.39*	
23 21 13 23-2131	EA	16" Grooved Rigid Coupling	557.10	103.97
		For Work In Restricted Working Space, Add	*46.74*	
		For Galvanized Fittings, Add	*98.32*	
23 21 13 23-2132	EA	18" Grooved Rigid Coupling	637.02	115.45
		For Work In Restricted Working Space, Add	*51.93*	
		For Galvanized Fittings, Add	*113.66*	
23 21 13 23-2133	EA	20" Grooved Rigid Coupling	747.06	129.94
		For Work In Restricted Working Space, Add	*58.42*	
		For Galvanized Fittings, Add	*135.32*	
23 21 13 23-2134	EA	24" Grooved Rigid Coupling	1,053.21	159.84
		For Work In Restricted Working Space, Add	*71.90*	
		For Galvanized Fittings, Add	*199.32*	

23 21 13 23-2135 Large Diameter Grooved Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 770

23 21 13 23-2136	EA	28" Grooved Coupling	1,023.85	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*136.67*	
23 21 13 23-2137	EA	30" Grooved Coupling	1,186.26	41.52
		For Work In Restricted Working Space, Add	*18.70*	
		For Galvanized Fittings, Add	*157.35*	
23 21 13 23-2138	EA	32" Grooved Coupling	1,757.35	49.53
		For Work In Restricted Working Space, Add	*22.25*	
		For Galvanized Fittings, Add	*235.64*	
23 21 13 23-2139	EA	36" Grooved Coupling	2,331.41	59.35
		For Work In Restricted Working Space, Add	*26.71*	
		For Galvanized Fittings, Add	*313.93*	
23 21 13 23-2140	EA	42" Grooved Coupling	4,632.39	64.96
		For Work In Restricted Working Space, Add	*29.21*	
		For Galvanized Fittings, Add	*634.90*	

23 21 13 23-2141 Flexible Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 75

23 21 13 23-2142	EA	1-1/2" Grooved Flexible Coupling	34.53	9.69
		For Work In Restricted Working Space, Add	*4.38*	
		For Galvanized Fittings, Add	*5.10*	
23 21 13 23-2143	EA	2" Grooved Flexible Coupling	40.00	13.05
		For Work In Restricted Working Space, Add	*5.87*	
		For Galvanized Fittings, Add	*5.24*	
23 21 13 23-2144	EA	2-1/2" Grooved Flexible Coupling	47.52	15.91
		For Work In Restricted Working Space, Add	*7.15*	
		For Galvanized Fittings, Add	*6.07*	
23 21 13 23-2145	EA	3" Grooved Flexible Coupling	56.00	19.02
		For Work In Restricted Working Space, Add	*8.53*	
		For Galvanized Fittings, Add	*7.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2146	EA	3-1/2" Grooved Flexible Coupling	72.47	22.26
		For Work In Restricted Working Space, Add	*10.03*	
		For Galvanized Fittings, Add	*9.99*	
23 21 13 23-2147	EA	4" Grooved Flexible Coupling	77.15	25.37
		For Work In Restricted Working Space, Add	*11.43*	
		For Galvanized Fittings, Add	*9.99*	
23 21 13 23-2148	EA	5" Grooved Flexible Coupling	103.96	31.83
		For Work In Restricted Working Space, Add	*14.29*	
		For Galvanized Fittings, Add	*14.42*	
23 21 13 23-2149	EA	6" Grooved Flexible Coupling	130.18	41.52
		For Work In Restricted Working Space, Add	*18.70*	
		For Galvanized Fittings, Add	*17.37*	
23 21 13 23-2150	EA	8" Grooved Flexible Coupling	180.85	49.53
		For Work In Restricted Working Space, Add	*22.25*	
		For Galvanized Fittings, Add	*27.31*	

23 21 13 23-2151 Installation-Ready™ Coupling *(23 21 13 23-2095)*

Note: Victaulic Style 009N

23 21 13 23-2152	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	84.78	6.04
		For Work In Restricted Working Space, Add	*2.75*	
		For Galvanized Fittings, Add	*19.36*	
23 21 13 23-2153	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	88.14	7.23
		For Work In Restricted Working Space, Add	*3.29*	
		For Galvanized Fittings, Add	*19.76*	
23 21 13 23-2154	EA	2" Ductile Iron, Installation-Ready™ Coupling	102.04	9.71
		For Work In Restricted Working Space, Add	*4.42*	
		For Galvanized Fittings, Add	*22.35*	
23 21 13 23-2155	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	118.41	11.77
		For Work In Restricted Working Space, Add	*5.35*	
		For Galvanized Fittings, Add	*25.75*	
23 21 13 23-2156	EA	3" Ductile Iron, Installation-Ready™ Coupling	135.24	14.13
		For Work In Restricted Working Space, Add	*6.43*	
		For Galvanized Fittings, Add	*29.14*	
23 21 13 23-2157	EA	4" Ductile Iron, Installation-Ready™ Coupling	188.43	18.87
		For Work In Restricted Working Space, Add	*8.58*	
		For Galvanized Fittings, Add	*40.92*	
23 21 13 23-2158	EA	5" Ductile Iron, Installation-Ready™ Coupling	297.20	23.61
		For Work In Restricted Working Space, Add	*10.73*	
		For Galvanized Fittings, Add	*66.93*	
23 21 13 23-2159	EA	6" Ductile Iron, Installation-Ready™ Coupling	359.17	30.87
		For Work In Restricted Working Space, Add	*14.04*	
		For Galvanized Fittings, Add	*79.97*	
23 21 13 23-2160	EA	8" Ductile Iron, Installation-Ready™ Coupling	577.54	36.72
		For Work In Restricted Working Space, Add	*16.69*	
		For Galvanized Fittings, Add	*133.61*	

23 21 13 23-2161 Grooved Strainers And Suction Diffusers *(23 21 13 23-1672)*

23 21 13 23-2162 Grooved Wye Strainers *(23 21 13 23-2161)*

Note: Victaulic Style 732

23 21 13 23-2163	EA	2" Grooved Wye Strainer	2,662.10	26.32
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-2164	EA	2-1/2" Grooved Wye Strainer	2,802.84	31.95
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2165	EA	3" Grooved Wye Strainer	3,152.31	38.29
		For Work In Restricted Working Space, Add	*17.32*	
23 21 13 23-2166	EA	4" Grooved Wye Strainer	3,579.06	51.09
		For Work In Restricted Working Space, Add	*22.86*	
23 21 13 23-2167	EA	5" Grooved Wye Strainer	5,169.40	63.89
		For Work In Restricted Working Space, Add	*28.58*	
23 21 13 23-2168	EA	6" Grooved Wye Strainer	5,633.24	83.03
		For Work In Restricted Working Space, Add	*37.39*	
23 21 13 23-2169	EA	8" Grooved Wye Strainer	8,593.32	98.95
		For Work In Restricted Working Space, Add	*44.51*	
23 21 13 23-2170	EA	10" Grooved Wye Strainer	13,748.75	115.69
		For Work In Restricted Working Space, Add	*51.93*	
23 21 13 23-2171	EA	12" Grooved Wye Strainer	23,923.27	138.91
		For Work In Restricted Working Space, Add	*62.32*	

23 21 13 23-2172 Grooved Tee Type Strainers *(23 21 13 23-2161)*

Note: Victaulic Style 730

23 21 13 23-2173	EA	1-1/2" Grooved Tee Type Strainer	2,053.75	19.98
		For Work In Restricted Working Space, Add	*8.89*	
23 21 13 23-2174	EA	2" Grooved Tee Type Strainer	2,629.73	26.32
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-2175	EA	2-1/2" Grooved Tee Type Strainer	2,769.20	31.95
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2176	EA	3" Grooved Tee Type Strainer	3,114.30	38.29
		For Work In Restricted Working Space, Add	*17.32*	
23 21 13 23-2177	EA	4" Grooved Tee Type Strainer	3,535.96	51.09
		For Work In Restricted Working Space, Add	*22.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2178	EA	5" Grooved Tee Type Strainer	5,106.65	63.89
		For Work In Restricted Working Space, Add	*28.58*	
23 21 13 23-2179	EA	6" Grooved Tee Type Strainer	5,565.58	83.03
		For Work In Restricted Working Space, Add	*37.39*	
23 21 13 23-2180	EA	8" Grooved Tee Type Strainer	8,488.57	98.95
		For Work In Restricted Working Space, Add	*44.51*	
23 21 13 23-2181	EA	10" Grooved Tee Type Strainer	12,422.97	115.69
		For Work In Restricted Working Space, Add	*51.93*	
23 21 13 23-2182	EA	12" Grooved Tee Type Strainer	15,976.63	138.91
		For Work In Restricted Working Space, Add	*62.32*	
23 21 13 23-2183	EA	14" Grooved Tee Type Strainer	56,440.38	156.38
		For Work In Restricted Working Space, Add	*70.38*	
23 21 13 23-2184	EA	16" Grooved Tee Type Strainer	70,115.26	173.13
		For Work In Restricted Working Space, Add	*77.89*	
23 21 13 23-2185	EA	18" Grooved Tee Type Strainer	92,164.11	189.16
		For Work In Restricted Working Space, Add	*85.06*	

23 21 13 23-2186 Grooved Suction Diffuser *(23 21 13 23-2161)*

Note: Victaulic Style 731

23 21 13 23-2187	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,422.78	29.55
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2188	EA	3" Grooved x 2" Flanged Suction Diffuser	5,756.75	32.66
		For Work In Restricted Working Space, Add	*14.54*	
23 21 13 23-2189	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,160.55	38.29
		For Work In Restricted Working Space, Add	*17.32*	
23 21 13 23-2190	EA	3" Grooved x 3" Flanged Suction Diffuser	4,219.59	41.52
		For Work In Restricted Working Space, Add	*18.67*	
23 21 13 23-2191	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,570.41	41.52
		For Work In Restricted Working Space, Add	*18.67*	
23 21 13 23-2192	EA	4" Grooved x 3" Flanged Suction Diffuser	4,930.91	44.75
		For Work In Restricted Working Space, Add	*20.10*	
23 21 13 23-2193	EA	4" Grooved x 4" Flanged Suction Diffuser	5,700.25	44.75
		For Work In Restricted Working Space, Add	*20.28*	
23 21 13 23-2194	EA	5" Grooved x 4" Flanged Suction Diffuser	6,365.12	57.43
		For Work In Restricted Working Space, Add	*25.85*	
23 21 13 23-2195	EA	5" Grooved x 5" Flanged Suction Diffuser	6,688.54	60.66
		For Work In Restricted Working Space, Add	*27.28*	
23 21 13 23-2196	EA	6" Grooved x 4" Flanged Suction Diffuser	6,795.22	67.00
		For Work In Restricted Working Space, Add	*30.15*	
23 21 13 23-2197	EA	6" Grooved x 5" Flanged Suction Diffuser	8,118.57	73.46
		For Work In Restricted Working Space, Add	*33.03*	
23 21 13 23-2198	EA	6" Grooved x 6" Flanged Suction Diffuser	8,432.53	78.25
		For Work In Restricted Working Space, Add	*35.18*	
23 21 13 23-2199	EA	8" Grooved x 5" Flanged Suction Diffuser	8,652.47	81.36
		For Work In Restricted Working Space, Add	*36.61*	
23 21 13 23-2200	EA	8" Grooved x 6" Flanged Suction Diffuser	9,131.67	90.93
		For Work In Restricted Working Space, Add	*40.92*	
23 21 13 23-2201	EA	8" Grooved x 8" Flanged Suction Diffuser	15,628.10	98.95
		For Work In Restricted Working Space, Add	*44.51*	
23 21 13 23-2202	EA	10" Grooved x 8" Flanged Suction Diffuser	17,627.85	106.97
		For Work In Restricted Working Space, Add	*48.27*	
23 21 13 23-2203	EA	10" Grooved x 10" Flanged Suction Diffuser	21,214.08	110.91
		For Work In Restricted Working Space, Add	*49.88*	
23 21 13 23-2204	EA	12" Grooved x 10" Flanged Suction Diffuser	25,104.92	127.66
		For Work In Restricted Working Space, Add	*57.27*	
23 21 13 23-2205	EA	12" Grooved x 12" Flanged Suction Diffuser	34,857.36	135.68
		For Work In Restricted Working Space, Add	*61.00*	
23 21 13 23-2206	EA	14" Grooved x 10" Flanged Suction Diffuser	32,455.02	135.68
		For Work In Restricted Working Space, Add	*61.13*	
23 21 13 23-2207	EA	14" Grooved x 12" Flanged Suction Diffuser	36,247.97	147.64
		For Work In Restricted Working Space, Add	*66.32*	
23 21 13 23-2208	EA	14" Grooved x 14" Flanged Suction Diffuser	43,983.91	156.38
		For Work In Restricted Working Space, Add	*70.16*	
23 21 13 23-2209	EA	16" Grooved x 14" Flanged Suction Diffuser	45,281.32	164.39
		For Work In Restricted Working Space, Add	*74.04*	

23 21 13 23-2210 Grooved Steel Valves *(23 21 13 23-1672)*

23 21 13 23-2211 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-2210)*

23 21 13 23-2212	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	291.76	13.05
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-2213	EA	2" Butterfly Valve, Grooved, With Standard Trim	297.94	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2214	EA	3" Butterfly Valve, Grooved, With Standard Trim	488.55	25.37
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2215	EA	4" Butterfly Valve, Grooved, With Standard Trim	656.13	33.38
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2216	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,430.07	54.68
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2217	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,981.97	76.93
		For Work In Restricted Working Space, Add	*34.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2218	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,975.09	103.97
		For Work In Restricted Working Space, Add	*46.74*	
23 21 13 23-2219		**Grooved Butterfly Valves With Stainless Steel Trim** *(23 21 13 23-2210)*		
23 21 13 23-2220	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	437.58	13.05
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-2221	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	443.76	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2222	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	686.22	25.37
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2223	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	873.25	33.38
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2224	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,669.87	54.68
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2225	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,772.67	76.93
		For Work In Restricted Working Space, Add	*34.62*	
23 21 13 23-2226	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,368.53	103.97
		For Work In Restricted Working Space, Add	*46.74*	
23 21 13 23-2227		**Grooved Ball Valves With Standard Trim And Handle** *(23 21 13 23-2210)*		
		Note: Victaulic No. 721		
23 21 13 23-2228	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	246.43	12.80
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-2229	EA	2" Ball Valve, Grooved, With Standard Trim	282.58	17.58
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2230	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	642.92	21.54
		For Work In Restricted Working Space, Add	*9.69*	
23 21 13 23-2231	EA	3" Ball Valve, Grooved, With Standard Trim	1,053.10	25.49
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2232	EA	4" Ball Valve, Grooved, With Standard Trim	1,639.19	33.50
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2233	EA	6" Ball Valve, Grooved, With Standard Trim	5,090.70	55.04
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2234		**Grooved Ball Valves With Stainless Steel Trim And Handle** *(23 21 13 23-2210)*		
		Note: Victaulic No. 721		
23 21 13 23-2235	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	262.40	12.80
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-2236	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	448.37	17.58
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2237	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,165.69	21.54
		For Work In Restricted Working Space, Add	*9.69*	
23 21 13 23-2238	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,507.15	25.49
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2239	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,058.78	33.50
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2240	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,610.63	55.04
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2241		**Grooved Check Valves** *(23 21 13 23-2210)*		
		Note: Victaulic No. 712		
23 21 13 23-2242	EA	2" Check Valve, Grooved	373.85	17.58
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2243	EA	2-1/2" Check Valve, Grooved	606.06	21.54
		For Work In Restricted Working Space, Add	*9.69*	
23 21 13 23-2244	EA	3" Check Valve, Grooved	706.21	25.49
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2245	EA	4" Check Valve, Grooved	1,000.70	33.50
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2246		**Grooved Vic-Check Check Valves** *(23 21 13 23-2210)*		
		Note: Victaulic No. 716		
23 21 13 23-2247	EA	2-1/2" "Vic-Check" Check Valve, Grooved	484.82	21.54
		For Work In Restricted Working Space, Add	*9.69*	
23 21 13 23-2248	EA	3" "Vic-Check" Check Valve, Grooved	490.64	25.49
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2249	EA	4" "Vic-Check" Check Valve, Grooved	615.06	33.50
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2250	EA	6" "Vic-Check" Check Valve, Grooved	1,197.76	55.04
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2251	EA	8" "Vic-Check" Check Valve, Grooved	1,639.06	76.57
		For Work In Restricted Working Space, Add	*34.22*	
23 21 13 23-2252	EA	10" "Vic-Check" Check Valve, Grooved	4,567.65	103.74
		For Work In Restricted Working Space, Add	*46.35*	
23 21 13 23-2253	EA	12" "Vic-Check" Check Valve, Grooved	5,408.53	119.76
		For Work In Restricted Working Space, Add	*53.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2254		**Grooved Plug Valves With Lever Operator** *(23 21 13 23-2210)* Note: Victaulic No. 377		
23 21 13 23-2255	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,380.78	25.49
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2256	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,527.61	33.50
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2257	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,731.88	55.04
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2258		**Grooved Plug Valve With Gear Operator** *(23 21 13 23-2210)* Note: Victaulic No. 377		
23 21 13 23-2259	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,463.63	25.49
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2260	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,610.55	33.50
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2261	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,814.83	55.04
		For Work In Restricted Working Space, Add	*24.60*	
23 21 13 23-2262	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,100.32	76.57
		For Work In Restricted Working Space, Add	*34.22*	
23 21 13 23-2263	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,017.83	103.74
		For Work In Restricted Working Space, Add	*46.35*	
23 21 13 23-2264	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,631.78	119.76
		For Work In Restricted Working Space, Add	*53.48*	
23 21 13 23-2265		**Prepare Pipe For Groove** *(23 21 13 23-1672)*		
23 21 13 23-2266		**Cut Grooved Pipe** *(23 21 13 23-2265)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2267	EA	Cut 3/4" Groove Pipe	12.53	
		For Work In Restricted Working Space, Add	*3.76*	
23 21 13 23-2268	EA	Cut 1" Groove Pipe	13.61	
		For Work In Restricted Working Space, Add	*4.08*	
23 21 13 23-2269	EA	Cut 1-1/4" Groove Pipe	15.36	
		For Work In Restricted Working Space, Add	*4.61*	
23 21 13 23-2270	EA	Cut 1-1/2" Groove Pipe	16.71	
		For Work In Restricted Working Space, Add	*5.01*	
23 21 13 23-2271	EA	Cut 2" Groove Pipe	18.32	
		For Work In Restricted Working Space, Add	*5.50*	
23 21 13 23-2272	EA	Cut 2-1/2" Groove Pipe	19.85	
		For Work In Restricted Working Space, Add	*5.96*	
23 21 13 23-2273	EA	Cut 3" Groove Pipe	21.65	
		For Work In Restricted Working Space, Add	*6.50*	
23 21 13 23-2274	EA	Cut 3-1/2" Groove Pipe	22.95	
		For Work In Restricted Working Space, Add	*6.89*	
23 21 13 23-2275	EA	Cut 4" Groove Pipe	24.43	
		For Work In Restricted Working Space, Add	*7.33*	
23 21 13 23-2276	EA	Cut 5" Groove Pipe	26.46	
		For Work In Restricted Working Space, Add	*7.94*	
23 21 13 23-2277	EA	Cut 6" Groove Pipe	27.22	
		For Work In Restricted Working Space, Add	*8.17*	
23 21 13 23-2278	EA	Cut 8" Groove Pipe	35.28	
		For Work In Restricted Working Space, Add	*10.58*	
23 21 13 23-2279	EA	Cut 10" Groove Pipe	50.14	
		For Work In Restricted Working Space, Add	*15.04*	
23 21 13 23-2280	EA	Cut 12" Groove Pipe	63.50	
		For Work In Restricted Working Space, Add	*19.05*	
23 21 13 23-2281	EA	Cut 14" Groove Pipe	95.26	
		For Work In Restricted Working Space, Add	*28.58*	
23 21 13 23-2282	EA	Cut 16" Groove Pipe	100.27	
		For Work In Restricted Working Space, Add	*30.08*	
23 21 13 23-2283	EA	Cut 18" Groove Pipe	105.84	
		For Work In Restricted Working Space, Add	*31.75*	
23 21 13 23-2284	EA	Cut 20" Groove Pipe	112.07	
		For Work In Restricted Working Space, Add	*33.62*	
23 21 13 23-2285	EA	Cut 24" Groove Pipe	127.01	
		For Work In Restricted Working Space, Add	*38.10*	
23 21 13 23-2286		**Roll Grooved Pipe** *(23 21 13 23-2265)* Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13 23-2287	EA	Roll 3/4" Groove	7.17	
		For Work In Restricted Working Space, Add	*2.15*	
23 21 13 23-2288	EA	Roll 1" Groove	8.35	
		For Work In Restricted Working Space, Add	*2.51*	
23 21 13 23-2289	EA	Roll 1-1/4" Groove	9.52	
		For Work In Restricted Working Space, Add	*2.86*	
23 21 13 23-2290	EA	Roll 1-1/2" Groove	10.70	
		For Work In Restricted Working Space, Add	*3.21*	
23 21 13 23-2291	EA	Roll 2" Groove	16.43	
		For Work In Restricted Working Space, Add	*4.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2292	EA	Roll 2-1/2" Groove	17.32	
		For Work In Restricted Working Space, Add	*5.20*	
23 21 13 23-2293	EA	Roll 3" Groove	19.05	
		For Work In Restricted Working Space, Add	*5.72*	
23 21 13 23-2294	EA	Roll 3-1/2" Groove	20.27	
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-2295	EA	Roll 4" Groove	22.15	
		For Work In Restricted Working Space, Add	*6.65*	
23 21 13 23-2296	EA	Roll 5" Groove	22.68	
		For Work In Restricted Working Space, Add	*6.80*	
23 21 13 23-2297	EA	Roll 6" Groove	23.82	
		For Work In Restricted Working Space, Add	*7.15*	
23 21 13 23-2298	EA	Roll 8" Groove	28.87	
		For Work In Restricted Working Space, Add	*8.66*	
23 21 13 23-2299	EA	Roll 10" Groove	32.84	
		For Work In Restricted Working Space, Add	*9.85*	
23 21 13 23-2300	EA	Roll 12" Groove	41.42	
		For Work In Restricted Working Space, Add	*12.43*	
23 21 13 23-2301	EA	Roll 14" Groove	63.50	
		For Work In Restricted Working Space, Add	*19.05*	
23 21 13 23-2302	EA	Roll 16" Groove	68.04	
		For Work In Restricted Working Space, Add	*20.41*	
23 21 13 23-2303	EA	Roll 18" Groove	70.56	
		For Work In Restricted Working Space, Add	*21.17*	
23 21 13 23-2304	EA	Roll 20" Groove	76.21	
		For Work In Restricted Working Space, Add	*22.86*	
23 21 13 23-2305	EA	Roll 24" Groove	82.83	
		For Work In Restricted Working Space, Add	*24.85*	

23 21 13 23-2306 Standard Gaskets *(23 21 13 23-2265)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2307	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.36	
		For Work In Restricted Working Space, Add	*1.49*	
23 21 13 23-2308	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	17.36	
		For Work In Restricted Working Space, Add	*1.79*	
23 21 13 23-2309	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.34	
		For Work In Restricted Working Space, Add	*1.99*	
23 21 13 23-2310	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.21	
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2311	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	20.92	
		For Work In Restricted Working Space, Add	*2.46*	
23 21 13 23-2312	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.03	
		For Work In Restricted Working Space, Add	*2.57*	
23 21 13 23-2313	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	26.47	
		For Work In Restricted Working Space, Add	*2.90*	
23 21 13 23-2314	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	31.96	
		For Work In Restricted Working Space, Add	*3.15*	
23 21 13 23-2315	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	32.54	
		For Work In Restricted Working Space, Add	*3.32*	
23 21 13 23-2316	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	39.43	
		For Work In Restricted Working Space, Add	*3.42*	
23 21 13 23-2317	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	42.27	
		For Work In Restricted Working Space, Add	*3.59*	
23 21 13 23-2318	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	56.80	
		For Work In Restricted Working Space, Add	*4.49*	
23 21 13 23-2319	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	70.27	
		For Work In Restricted Working Space, Add	*4.99*	
23 21 13 23-2320	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	83.70	
		For Work In Restricted Working Space, Add	*6.41*	
23 21 13 23-2321	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	117.66	
		For Work In Restricted Working Space, Add	*9.45*	
23 21 13 23-2322	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	153.37	
		For Work In Restricted Working Space, Add	*10.20*	
23 21 13 23-2323	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	179.38	
		For Work In Restricted Working Space, Add	*10.56*	
23 21 13 23-2324	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	259.22	
		For Work In Restricted Working Space, Add	*11.22*	
23 21 13 23-2325	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	351.05	
		For Work In Restricted Working Space, Add	*12.82*	

23 21 13 23-2326 Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-2327 Grooved Fittings *(23 21 13 23-2326)*

23 21 13 23-2328 Grooved 90 Degree Elbows *(23 21 13 23-2327)*

23 21 13 23-2329	EA	2" Copper 90 Degree Elbow, Grooved	158.07	19.51
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-2330	EA	2-1/2" Copper 90 Degree Elbow, Grooved	176.39	23.81
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2331	EA	3" Copper 90 Degree Elbow, Grooved	238.12	28.84
		For Work In Restricted Working Space, Add	*17.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2332	EA	4" Copper 90 Degree Elbow, Grooved	490.22	38.05
		For Work In Restricted Working Space, Add	*22.86*	
23 21 13 23-2333	EA	5" Copper 90 Degree Elbow, Grooved	1,268.78	47.62
		For Work In Restricted Working Space, Add	*28.58*	
23 21 13 23-2334	EA	6" Copper 90 Degree Elbow, Grooved	1,997.39	62.34
		For Work In Restricted Working Space, Add	*37.39*	
23 21 13 23-2335	EA	8" Copper 90 Degree Elbow, Grooved	3,664.10	74.18
		For Work In Restricted Working Space, Add	*44.51*	

23 21 13 23-2336 Grooved 45 Degree Elbows *(23 21 13 23-2327)*

23 21 13 23-2337	EA	2" Copper 45 Degree Elbow, Grooved	158.07	19.51
		For Work In Restricted Working Space, Add	*11.73*	
23 21 13 23-2338	EA	2-1/2" Copper 45 Degree Elbow, Grooved	176.39	23.81
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2339	EA	3" Copper 45 Degree Elbow, Grooved	238.12	28.84
		For Work In Restricted Working Space, Add	*17.32*	
23 21 13 23-2340	EA	4" Copper 45 Degree Elbow, Grooved	490.22	38.05
		For Work In Restricted Working Space, Add	*22.86*	
23 21 13 23-2341	EA	5" Copper 45 Degree Elbow, Grooved	1,268.78	47.62
		For Work In Restricted Working Space, Add	*28.58*	
23 21 13 23-2342	EA	6" Copper 45 Degree Elbow, Grooved	1,997.39	62.34
		For Work In Restricted Working Space, Add	*37.39*	
23 21 13 23-2343	EA	8" Copper 45 Degree Elbow, Grooved	3,664.10	74.18
		For Work In Restricted Working Space, Add	*44.51*	

23 21 13 23-2344 Grooved Tees *(23 21 13 23-2327)*

23 21 13 23-2345	EA	2" Copper Tee, Grooved	252.55	28.72
		For Work In Restricted Working Space, Add	*17.25*	
23 21 13 23-2346	EA	2-1/2" Copper Tee, Grooved	277.55	35.30
		For Work In Restricted Working Space, Add	*21.17*	
23 21 13 23-2347	EA	3" Copper Tee, Grooved	394.64	43.31
		For Work In Restricted Working Space, Add	*25.98*	
23 21 13 23-2348	EA	4" Copper Tee, Grooved	787.40	56.00
		For Work In Restricted Working Space, Add	*33.62*	
23 21 13 23-2349	EA	5" Copper Tee, Grooved	3,118.31	73.23
		For Work In Restricted Working Space, Add	*43.97*	
23 21 13 23-2350	EA	6" Copper Tee, Grooved	2,517.86	91.65
		For Work In Restricted Working Space, Add	*54.98*	
23 21 13 23-2351	EA	8" Copper Tee, Grooved	4,391.31	111.27
		For Work In Restricted Working Space, Add	*66.77*	

23 21 13 23-2352 Grooved Reducing Tees *(23 21 13 23-2327)*

23 21 13 23-2353	EA	2-1/2" Copper Tee, Reducing, Grooved	379.14	35.30
		For Work In Restricted Working Space, Add	*21.17*	
23 21 13 23-2354	EA	3" Copper Tee, Reducing, Grooved	610.34	43.31
		For Work In Restricted Working Space, Add	*25.98*	
23 21 13 23-2355	EA	4" Copper Tee, Reducing, Grooved	999.29	56.12
		For Work In Restricted Working Space, Add	*33.62*	
23 21 13 23-2356	EA	5" Copper Tee, Reducing, Grooved	2,854.39	73.34
		For Work In Restricted Working Space, Add	*43.97*	
23 21 13 23-2357	EA	6" Copper Tee, Reducing, Grooved	3,489.28	91.65
		For Work In Restricted Working Space, Add	*54.98*	

23 21 13 23-2358 Grooved X Cup Reducing Tees *(23 21 13 23-2327)*

23 21 13 23-2359	EA	2" Copper Tee, Reducing, Grooved X Cup	306.88	28.72
		For Work In Restricted Working Space, Add	*17.25*	
23 21 13 23-2360	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	380.25	35.30
		For Work In Restricted Working Space, Add	*21.17*	
23 21 13 23-2361	EA	3" Copper Tee, Reducing, Grooved X Cup	659.23	43.31
		For Work In Restricted Working Space, Add	*25.98*	
23 21 13 23-2362	EA	4" Copper Tee, Reducing, Grooved X Cup	999.29	56.00
		For Work In Restricted Working Space, Add	*33.62*	

23 21 13 23-2363 Grooved Flanged Adapter Nipples *(23 21 13 23-2327)*

23 21 13 23-2364	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	555.81	21.18
		For Work In Restricted Working Space, Add	*12.75*	
23 21 13 23-2365	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	586.03	25.73
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-2366	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	621.45	30.75
		For Work In Restricted Working Space, Add	*18.44*	
23 21 13 23-2367	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	696.73	41.40
		For Work In Restricted Working Space, Add	*24.85*	
23 21 13 23-2368	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	925.50	50.13
		For Work In Restricted Working Space, Add	*30.08*	
23 21 13 23-2369	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,033.43	67.72
		For Work In Restricted Working Space, Add	*40.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-2370 Grooved Concentric Reducers *(23 21 13 23-2327)*

23 21 13 23-2371	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	214.26	21.77
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2372	EA	3" x 2" Copper Concentric Reducer, Grooved	219.06	24.29
		For Work In Restricted Working Space, Add	*14.54*	
23 21 13 23-2373	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	228.34	28.84
		For Work In Restricted Working Space, Add	*17.32*	
23 21 13 23-2374	EA	4" x 2" Copper Concentric Reducer, Grooved	406.86	29.07
		For Work In Restricted Working Space, Add	*17.41*	
23 21 13 23-2375	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	411.05	31.10
		For Work In Restricted Working Space, Add	*18.67*	
23 21 13 23-2376	EA	4" x 3" Copper Concentric Reducer, Grooved	415.83	33.50
		For Work In Restricted Working Space, Add	*20.10*	
23 21 13 23-2377	EA	5" x 3" Copper Concentric Reducer, Grooved	1,057.78	38.29
		For Work In Restricted Working Space, Add	*22.97*	
23 21 13 23-2378	EA	5" x 4" Copper Concentric Reducer, Grooved	1,067.35	43.07
		For Work In Restricted Working Space, Add	*25.85*	
23 21 13 23-2379	EA	6" x 3" Copper Concentric Reducer, Grooved	1,153.09	45.47
		For Work In Restricted Working Space, Add	*27.28*	
23 21 13 23-2380	EA	6" x 4" Copper Concentric Reducer, Grooved	1,162.66	50.25
		For Work In Restricted Working Space, Add	*30.15*	
23 21 13 23-2381	EA	6" x 5" Copper Concentric Reducer, Grooved	1,172.24	55.04
		For Work In Restricted Working Space, Add	*33.03*	
23 21 13 23-2382	EA	8" x 6" Copper Concentric Reducer, Grooved	2,000.48	68.19
		For Work In Restricted Working Space, Add	*40.92*	

23 21 13 23-2383 Grooved X Cup Concentric Reducers *(23 21 13 23-2327)*

23 21 13 23-2384	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	171.78	15.31
		For Work In Restricted Working Space, Add	*9.15*	
23 21 13 23-2385	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	172.98	15.91
		For Work In Restricted Working Space, Add	*9.51*	
23 21 13 23-2386	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	176.63	17.71
		For Work In Restricted Working Space, Add	*10.61*	
23 21 13 23-2387	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	206.96	17.11
		For Work In Restricted Working Space, Add	*10.25*	
23 21 13 23-2388	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	208.14	17.71
		For Work In Restricted Working Space, Add	*10.61*	
23 21 13 23-2389	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	211.66	19.51
		For Work In Restricted Working Space, Add	*11.66*	
23 21 13 23-2390	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	216.44	21.77
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2391	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	258.25	21.77
		For Work In Restricted Working Space, Add	*13.10*	
23 21 13 23-2392	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	263.05	24.29
		For Work In Restricted Working Space, Add	*14.54*	
23 21 13 23-2393	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	456.30	28.96
		For Work In Restricted Working Space, Add	*17.41*	

23 21 13 23-2394 Grooved Standard Couplings *(23 21 13 23-2327)*

23 21 13 23-2395	EA	2" Copper Standard Coupling, Grooved	60.57	9.81
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-2396	EA	2-1/2" Copper Standard Coupling, Grooved	70.84	11.97
		For Work In Restricted Working Space, Add	*7.15*	
23 21 13 23-2397	EA	3" Copper Standard Coupling, Grooved	80.19	14.23
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-2398	EA	4" Copper Standard Coupling, Grooved	117.32	19.14
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2399	EA	5" Copper Standard Coupling, Grooved	182.38	23.81
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2400	EA	6" Copper Standard Coupling, Grooved	240.30	31.10
		For Work In Restricted Working Space, Add	*18.70*	
23 21 13 23-2401	EA	8" Copper Standard Coupling, Grooved	351.26	37.09
		For Work In Restricted Working Space, Add	*22.25*	

23 21 13 23-2402 Grooved Caps *(23 21 13 23-2327)*

23 21 13 23-2403	EA	2" Copper Cap, Grooved	101.57	9.81
		For Work In Restricted Working Space, Add	*5.87*	
23 21 13 23-2404	EA	2-1/2" Copper Cap, Grooved	145.53	11.97
		For Work In Restricted Working Space, Add	*7.15*	
23 21 13 23-2405	EA	3" Copper Cap, Grooved	179.47	14.23
		For Work In Restricted Working Space, Add	*8.53*	
23 21 13 23-2406	EA	4" Copper Cap, Grooved	264.67	19.02
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-2407	EA	5" Copper Cap, Grooved	449.33	23.81
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-2408	EA	6" Copper Cap, Grooved	524.67	31.10
		For Work In Restricted Working Space, Add	*18.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2409		Grooved Valves *(23 21 13 23-2326)*		
23 21 13 23-2410		Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2409)* Note: Copper body.		
23 21 13 23-2411	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	481.23	12.80
		For Work In Restricted Working Space, Add	*7.72*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2412	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	548.30	19.02
		For Work In Restricted Working Space, Add	*11.43*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2413	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	724.76	25.00
		For Work In Restricted Working Space, Add	*15.04*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2414	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	968.72	41.04
		For Work In Restricted Working Space, Add	*24.60*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2415	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,070.62	57.67
		For Work In Restricted Working Space, Add	*34.62*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2416		Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2409)* Note: Copper body.		
23 21 13 23-2417	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	587.29	12.80
		For Work In Restricted Working Space, Add	*7.72*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2418	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	654.43	19.02
		For Work In Restricted Working Space, Add	*11.43*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2419	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	830.89	25.00
		For Work In Restricted Working Space, Add	*15.04*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2420	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,074.92	41.04
		For Work In Restricted Working Space, Add	*24.60*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2421	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,176.75	57.67
		For Work In Restricted Working Space, Add	*34.62*	
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2422		Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)* Note: Socket or back weld.		
23 21 13 23-2423		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2422)* Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2424		Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2423)*		
23 21 13 23-2425	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.57	3.42
		For Work In Restricted Working Space, Add	*1.54*	
23 21 13 23-2426	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.98	4.27
		For Work In Restricted Working Space, Add	*1.92*	
23 21 13 23-2427	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.65	4.56
		For Work In Restricted Working Space, Add	*2.05*	
23 21 13 23-2428	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.43	4.90
		For Work In Restricted Working Space, Add	*2.21*	
23 21 13 23-2429	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.70	4.99
		For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2430	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.62	5.97
		For Work In Restricted Working Space, Add	*2.69*	
23 21 13 23-2431	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	13.28	7.10
		For Work In Restricted Working Space, Add	*3.19*	
23 21 13 23-2432	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	16.28	8.58
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-2433	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	24.23	12.86
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2434	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	34.33	17.16
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2435	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	43.74	20.44
		For Work In Restricted Working Space, Add	*9.20*	
23 21 13 23-2436	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	74.21	22.84
		For Work In Restricted Working Space, Add	*10.27*	
23 21 13 23-2437		Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2423)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2438	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.17	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2439	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.95	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2440	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	34.09	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2441	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	49.15	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2442	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.18	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2443	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	71.39	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2444	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	116.12	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2445	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	150.45	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2446	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	193.34	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2447	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	275.77	114.02
		For Work In Restricted Working Space, Add	*51.28*	
23 21 13 23-2448	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	469.36	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2449	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	701.85	198.37
		For Work In Restricted Working Space, Add	*89.20*	

23 21 13 23-2450 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2423)*

23 21 13 23-2451	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	20.61	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2452	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.82	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2453	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	35.31	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2454	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	49.94	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2455	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	56.93	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2456	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	72.52	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2457	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	116.12	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2458	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	157.78	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2459	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	206.69	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2460	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	276.99	114.02
		For Work In Restricted Working Space, Add	*51.28*	
23 21 13 23-2461	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	454.62	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2462	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	701.85	198.37
		For Work In Restricted Working Space, Add	*89.20*	

23 21 13 23-2463 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2423)*

23 21 13 23-2464	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	32.96	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2465	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	39.72	25.73
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-2466	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	53.09	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2467	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	68.16	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2468	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	81.46	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-2469	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	101.90	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2470	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	146.52	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2471	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	176.51	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2472	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	248.25	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2473	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	421.97	171.57
		For Work In Restricted Working Space, Add	*77.19*	
23 21 13 23-2474	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	701.07	212.85
		For Work In Restricted Working Space, Add	*95.72*	
23 21 13 23-2475	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,971.68	318.01
		For Work In Restricted Working Space, Add	*143.05*	

23 21 13 23-2476 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2423)*

23 21 13 23-2477	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	41.52	26.56
		For Work In Restricted Working Space, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2478	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	50.02	32.18
		For Work In Restricted Working Space, Add	*14.47*	
23 21 13 23-2479	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	67.07	42.48
		For Work In Restricted Working Space, Add	*19.10*	
23 21 13 23-2480	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	86.31	53.96
		For Work In Restricted Working Space, Add	*24.25*	
23 21 13 23-2481	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	103.19	64.37
		For Work In Restricted Working Space, Add	*28.95*	
23 21 13 23-2482	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	129.36	79.80
		For Work In Restricted Working Space, Add	*35.90*	
23 21 13 23-2483	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	189.70	105.05
		For Work In Restricted Working Space, Add	*47.23*	
23 21 13 23-2484	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	229.19	124.67
		For Work In Restricted Working Space, Add	*56.09*	
23 21 13 23-2485	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	325.84	166.30
		For Work In Restricted Working Space, Add	*74.78*	
23 21 13 23-2486	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	579.63	214.41
		For Work In Restricted Working Space, Add	*96.45*	
23 21 13 23-2487	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	997.47	265.85
		For Work In Restricted Working Space, Add	*119.58*	
23 21 13 23-2488	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,939.66	397.70
		For Work In Restricted Working Space, Add	*178.90*	

23 21 13 23-2489 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2423)*

23 21 13 23-2490	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	20.80	13.17
		For Work In Restricted Working Space, Add	*6.01*	
23 21 13 23-2491	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	27.28	16.87
		For Work In Restricted Working Space, Add	*7.69*	
23 21 13 23-2492	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	36.42	22.62
		For Work In Restricted Working Space, Add	*10.27*	
23 21 13 23-2493	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	44.96	28.11
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2494	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	55.22	33.86
		For Work In Restricted Working Space, Add	*15.41*	
23 21 13 23-2495	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	77.38	47.02
		For Work In Restricted Working Space, Add	*21.38*	
23 21 13 23-2496	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	107.67	64.96
		For Work In Restricted Working Space, Add	*29.55*	
23 21 13 23-2497	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	143.12	80.76
		For Work In Restricted Working Space, Add	*36.74*	
23 21 13 23-2498	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	193.81	94.04
		For Work In Restricted Working Space, Add	*42.73*	
23 21 13 23-2499	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	459.96	108.64
		For Work In Restricted Working Space, Add	*49.38*	
23 21 13 23-2500	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	548.67	145.73
		For Work In Restricted Working Space, Add	*66.23*	

23 21 13 23-2501 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2423)*

23 21 13 23-2502	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.13	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2503	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	27.56	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2504	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	34.18	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2505	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	48.63	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2506	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	54.92	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2507	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	70.16	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2508	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	103.65	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2509	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	135.10	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2510	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	170.23	99.78
		For Work In Restricted Working Space, Add	*44.87*	

23 21 13 23-2511 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2423)*

23 21 13 23-2512	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	21.74	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2513	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	28.17	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2514	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	35.40	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2515	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	49.33	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2516	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	56.49	33.98
		For Work In Restricted Working Space, Add	*15.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2517	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	71.56	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2518	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	105.22	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2519	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	139.90	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2520	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	167.44	99.78
		For Work In Restricted Working Space, Add	*44.87*	

23 21 13 23-2521 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2423)*

23 21 13 23-2522	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.17	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2523	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	26.86	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2524	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.22	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2525	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	47.23	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2526	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	53.35	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2527	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	67.98	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2528	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	110.10	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2529	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	145.30	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2530	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	181.57	99.78
		For Work In Restricted Working Space, Add	*44.87*	

23 21 13 23-2531 Schedule 40 Polyvinyl Chloride (PVC) P-Traps *(23 21 13 23-2423)*

23 21 13 23-2532	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	32.69	17.58
		For Work In Restricted Working Space, Add	*7.90*	

23 21 13 23-2533 Schedule 40 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2423)*

23 21 13 23-2534	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	19.82	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2535	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	26.43	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2536	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	33.22	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2537	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	46.88	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2538	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	52.83	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2539	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	67.63	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2540	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	102.34	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2541	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	136.32	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2542	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	164.65	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2543	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	218.73	114.02
		For Work In Restricted Working Space, Add	*51.28*	
23 21 13 23-2544	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	288.72	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2545	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	623.66	142.62
		For Work In Restricted Working Space, Add	*64.12*	

23 21 13 23-2546 Schedule 40 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2423)*

23 21 13 23-2547	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	38.97	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2548	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	53.33	25.73
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-2549	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	67.39	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2550	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	104.79	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2551	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	119.06	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-2552	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	152.14	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2553	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	228.34	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2554	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	258.06	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2555	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	414.57	133.05
		For Work In Restricted Working Space, Add	*59.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2556	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	545.62	171.57
		For Work In Restricted Working Space, Add	*77.16*	
23 21 13 23-2557	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	794.74	212.73
		For Work In Restricted Working Space, Add	*95.66*	
23 21 13 23-2558	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,180.30	264.06
		For Work In Restricted Working Space, Add	*118.79*	

23 21 13 23-2559 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2423)*

23 21 13 23-2560	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.50	5.82
		For Work In Restricted Working Space, Add	*2.64*	
23 21 13 23-2561	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	12.46	7.66
		For Work In Restricted Working Space, Add	*3.48*	
23 21 13 23-2562	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	15.75	9.45
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-2563	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	22.50	13.57
		For Work In Restricted Working Space, Add	*6.17*	
23 21 13 23-2564	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	25.00	15.08
		For Work In Restricted Working Space, Add	*6.87*	
23 21 13 23-2565	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	31.63	19.27
		For Work In Restricted Working Space, Add	*8.73*	
23 21 13 23-2566	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	51.36	28.48
		For Work In Restricted Working Space, Add	*12.92*	
23 21 13 23-2567	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	65.66	37.44
		For Work In Restricted Working Space, Add	*17.00*	
23 21 13 23-2568	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	87.88	44.39
		For Work In Restricted Working Space, Add	*20.19*	
23 21 13 23-2569	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	126.20	50.73
		For Work In Restricted Working Space, Add	*23.08*	
23 21 13 23-2570	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	254.59	59.23
		For Work In Restricted Working Space, Add	*26.92*	
23 21 13 23-2571	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	743.73	88.30
		For Work In Restricted Working Space, Add	*40.14*	

23 21 13 23-2572 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2423)*

23 21 13 23-2573	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	49.44	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2574	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	65.45	25.73
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-2575	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	80.82	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2576	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	95.46	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2577	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	108.68	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-2578	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	137.57	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2579	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	190.57	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2580	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	220.90	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2581	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	289.77	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2582	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	399.27	171.57
		For Work In Restricted Working Space, Add	*77.16*	
23 21 13 23-2583	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	639.40	212.73
		For Work In Restricted Working Space, Add	*95.66*	
23 21 13 23-2584	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,117.76	263.70
		For Work In Restricted Working Space, Add	*118.60*	

23 21 13 23-2585 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2422)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2586 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2585)*

23 21 13 23-2587	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.70	3.47
		For Work In Restricted Working Space, Add	*1.54*	
23 21 13 23-2588	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	7.13	4.31
		For Work In Restricted Working Space, Add	*1.92*	
23 21 13 23-2589	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.76	5.14
		For Work In Restricted Working Space, Add	*2.31*	
23 21 13 23-2590	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	10.44	5.98
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-2591	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	12.00	6.82
		For Work In Restricted Working Space, Add	*3.08*	
23 21 13 23-2592	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.37	8.62
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-2593	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	17.90	9.45
		For Work In Restricted Working Space, Add	*4.25*	
23 21 13 23-2594	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	20.40	10.29
		For Work In Restricted Working Space, Add	*4.63*	
23 21 13 23-2595	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	26.58	12.92
		For Work In Restricted Working Space, Add	*5.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2596	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	39.57	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2597	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	51.78	20.46
		For Work In Restricted Working Space, Add	*9.20*	
23 21 13 23-2598	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	98.02	22.01
		For Work In Restricted Working Space, Add	*9.91*	

23 21 13 23-2599 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2585)*

23 21 13 23-2600	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.44	12.92
		For Work In Restricted Working Space, Add	*5.79*	
		For Threaded Fittings, Add	*2.90*	
23 21 13 23-2601	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	29.83	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Threaded Fittings, Add	*3.86*	
23 21 13 23-2602	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	38.54	21.30
		For Work In Restricted Working Space, Add	*9.57*	
		For Threaded Fittings, Add	*4.79*	
23 21 13 23-2603	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	53.95	30.15
		For Work In Restricted Working Space, Add	*13.54*	
		For Threaded Fittings, Add	*6.77*	
23 21 13 23-2604	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	60.33	33.98
		For Work In Restricted Working Space, Add	*15.27*	
		For Threaded Fittings, Add	*7.64*	
23 21 13 23-2605	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	76.10	43.19
		For Work In Restricted Working Space, Add	*19.40*	
		For Threaded Fittings, Add	*9.70*	
23 21 13 23-2606	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	122.49	63.89
		For Work In Restricted Working Space, Add	*28.71*	
		For Threaded Fittings, Add	*14.36*	
23 21 13 23-2607	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	156.03	83.99
		For Work In Restricted Working Space, Add	*37.78*	
		For Threaded Fittings, Add	*18.89*	
23 21 13 23-2608	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	195.26	99.78
		For Work In Restricted Working Space, Add	*44.87*	
		For Threaded Fittings, Add	*22.43*	
23 21 13 23-2609	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	336.04	114.02
		For Work In Restricted Working Space, Add	*51.28*	
		For Threaded Fittings, Add	*25.64*	
23 21 13 23-2610	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	558.32	133.05
		For Work In Restricted Working Space, Add	*59.82*	
		For Threaded Fittings, Add	*29.91*	
23 21 13 23-2611	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	701.85	198.37
		For Work In Restricted Working Space, Add	*89.20*	
		For Threaded Fittings, Add	*44.60*	

23 21 13 23-2612 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2585)*

23 21 13 23-2613	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	25.32	12.92
		For Work In Restricted Working Space, Add	*5.79*	
		For Threaded Fittings, Add	*2.90*	
23 21 13 23-2614	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	34.89	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Threaded Fittings, Add	*3.86*	
23 21 13 23-2615	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	45.69	21.30
		For Work In Restricted Working Space, Add	*9.57*	
		For Threaded Fittings, Add	*4.79*	
23 21 13 23-2616	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	62.76	30.15
		For Work In Restricted Working Space, Add	*13.54*	
		For Threaded Fittings, Add	*6.77*	
23 21 13 23-2617	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	71.67	33.98
		For Work In Restricted Working Space, Add	*15.27*	
		For Threaded Fittings, Add	*7.64*	
23 21 13 23-2618	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	91.62	43.19
		For Work In Restricted Working Space, Add	*19.40*	
		For Threaded Fittings, Add	*9.70*	
23 21 13 23-2619	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	152.41	63.89
		For Work In Restricted Working Space, Add	*28.71*	
		For Threaded Fittings, Add	*14.36*	
23 21 13 23-2620	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	194.94	83.99
		For Work In Restricted Working Space, Add	*37.78*	
		For Threaded Fittings, Add	*18.89*	
23 21 13 23-2621	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	273.86	99.78
		For Work In Restricted Working Space, Add	*44.87*	
		For Threaded Fittings, Add	*22.43*	
23 21 13 23-2622	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	327.41	114.02
		For Work In Restricted Working Space, Add	*51.28*	
		For Threaded Fittings, Add	*25.64*	
23 21 13 23-2623	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	538.72	133.05
		For Work In Restricted Working Space, Add	*59.82*	
		For Threaded Fittings, Add	*29.91*	
23 21 13 23-2624	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	679.81	198.37
		For Work In Restricted Working Space, Add	*89.20*	
		For Threaded Fittings, Add	*44.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2625		**Schedule 80 Polyvinyl Chloride (PVC) Tees** *(23 21 13 23-2585)*		
23 21 13 23-2626	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	39.27	20.22
		For Work In Restricted Working Space, Add	*9.09*	
		For Threaded Fittings, Add	*4.54*	
23 21 13 23-2627	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	48.01	25.73
		For Work In Restricted Working Space, Add	*11.58*	
		For Threaded Fittings, Add	*5.79*	
23 21 13 23-2628	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	62.69	33.98
		For Work In Restricted Working Space, Add	*15.27*	
		For Threaded Fittings, Add	*7.64*	
23 21 13 23-2629	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	97.21	43.19
		For Work In Restricted Working Space, Add	*19.40*	
		For Threaded Fittings, Add	*9.70*	
23 21 13 23-2630	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	109.73	51.45
		For Work In Restricted Working Space, Add	*23.16*	
		For Threaded Fittings, Add	*11.58*	
23 21 13 23-2631	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	136.44	63.89
		For Work In Restricted Working Space, Add	*28.71*	
		For Threaded Fittings, Add	*14.36*	
23 21 13 23-2632	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	170.25	83.99
		For Work In Restricted Working Space, Add	*37.78*	
		For Threaded Fittings, Add	*18.89*	
23 21 13 23-2633	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	204.86	99.78
		For Work In Restricted Working Space, Add	*44.87*	
		For Threaded Fittings, Add	*22.43*	
23 21 13 23-2634	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	263.52	133.05
		For Work In Restricted Working Space, Add	*59.82*	
		For Threaded Fittings, Add	*29.91*	
23 21 13 23-2635	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	476.32	171.57
		For Work In Restricted Working Space, Add	*77.19*	
		For Threaded Fittings, Add	*38.60*	
23 21 13 23-2636	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	827.05	212.85
		For Work In Restricted Working Space, Add	*95.72*	
		For Threaded Fittings, Add	*47.86*	
23 21 13 23-2637	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,971.78	318.01
		For Work In Restricted Working Space, Add	*143.05*	
		For Threaded Fittings, Add	*71.52*	
23 21 13 23-2638		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(23 21 13 23-2585)*		
23 21 13 23-2639	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	51.95	25.24
		For Work In Restricted Working Space, Add	*11.36*	
		For Threaded Fittings, Add	*5.68*	
23 21 13 23-2640	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	63.00	32.18
		For Work In Restricted Working Space, Add	*14.47*	
		For Threaded Fittings, Add	*7.24*	
23 21 13 23-2641	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	82.11	42.48
		For Work In Restricted Working Space, Add	*19.10*	
		For Threaded Fittings, Add	*9.55*	
23 21 13 23-2642	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	131.84	53.96
		For Work In Restricted Working Space, Add	*24.25*	
		For Threaded Fittings, Add	*12.13*	
23 21 13 23-2643	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	147.49	64.37
		For Work In Restricted Working Space, Add	*28.95*	
		For Threaded Fittings, Add	*14.47*	
23 21 13 23-2644	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	183.50	79.80
		For Work In Restricted Working Space, Add	*35.90*	
		For Threaded Fittings, Add	*17.95*	
23 21 13 23-2645	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	226.90	105.05
		For Work In Restricted Working Space, Add	*47.23*	
		For Threaded Fittings, Add	*23.61*	
23 21 13 23-2646	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	273.64	124.67
		For Work In Restricted Working Space, Add	*56.09*	
		For Threaded Fittings, Add	*28.04*	
23 21 13 23-2647	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	349.77	166.30
		For Work In Restricted Working Space, Add	*74.78*	
		For Threaded Fittings, Add	*37.39*	
23 21 13 23-2648	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	664.83	214.41
		For Work In Restricted Working Space, Add	*96.45*	
		For Threaded Fittings, Add	*48.22*	
23 21 13 23-2649	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,194.95	265.85
		For Work In Restricted Working Space, Add	*119.58*	
		For Threaded Fittings, Add	*59.79*	
23 21 13 23-2650	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,939.81	397.70
		For Work In Restricted Working Space, Add	*178.90*	
		For Threaded Fittings, Add	*89.45*	
23 21 13 23-2651		**Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts** *(23 21 13 23-2585)*		
23 21 13 23-2652	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	27.56	17.11
		For Work In Restricted Working Space, Add	*7.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2653	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	37.23	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2654	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	53.51	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2655	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	62.33	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2656	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	80.98	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2657	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	123.97	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2658	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	170.86	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2659	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	211.83	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2660	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	240.00	114.02
		For Work In Restricted Working Space, Add	*51.28*	
23 21 13 23-2661	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	352.74	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2662	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	559.59	154.46
		For Work In Restricted Working Space, Add	*69.50*	

23 21 13 23-2663 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2585)*

23 21 13 23-2664	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	19.91	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2665	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	29.13	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2666	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.23	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2667	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	55.95	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2668	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	64.52	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2669	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	81.33	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2670	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	130.94	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2671	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	191.18	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2672	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	249.86	99.78
		For Work In Restricted Working Space, Add	*44.87*	

23 21 13 23-2673 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2585)*

23 21 13 23-2674	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	26.71	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2675	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.93	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2676	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	46.21	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2677	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	61.89	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2678	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	74.98	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2679	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	96.07	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2680	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	131.47	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2681	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	165.63	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2682	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	220.12	99.78
		For Work In Restricted Working Space, Add	*44.87*	

23 21 13 23-2683 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2585)*

23 21 13 23-2684	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	24.71	12.92
		For Work In Restricted Working Space, Add	*5.79*	
23 21 13 23-2685	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.75	17.11
		For Work In Restricted Working Space, Add	*7.72*	
23 21 13 23-2686	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	43.77	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2687	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	64.41	30.15
		For Work In Restricted Working Space, Add	*13.54*	
23 21 13 23-2688	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	74.55	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2689	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	105.84	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2690	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	160.77	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2691	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	199.20	83.99
		For Work In Restricted Working Space, Add	*37.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2692	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	275.50	99.78
		For Work In Restricted Working Space, Add	*44.87*	

23 21 13 23-2693 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2585)*

23 21 13 23-2694	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	25.06	12.92
		For Work In Restricted Working Space, Add	*5.79*	
		For Threaded Fittings, Add	*2.90*	
23 21 13 23-2695	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	33.49	17.11
		For Work In Restricted Working Space, Add	*7.72*	
		For Threaded Fittings, Add	*3.86*	
23 21 13 23-2696	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	39.93	21.30
		For Work In Restricted Working Space, Add	*9.57*	
		For Threaded Fittings, Add	*4.79*	
23 21 13 23-2697	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	57.44	30.15
		For Work In Restricted Working Space, Add	*13.54*	
		For Threaded Fittings, Add	*6.77*	
23 21 13 23-2698	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	64.17	33.98
		For Work In Restricted Working Space, Add	*15.27*	
		For Threaded Fittings, Add	*7.64*	
23 21 13 23-2699	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	78.80	43.19
		For Work In Restricted Working Space, Add	*19.40*	
		For Threaded Fittings, Add	*9.70*	
23 21 13 23-2700	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	130.68	63.89
		For Work In Restricted Working Space, Add	*28.71*	
		For Threaded Fittings, Add	*14.36*	
23 21 13 23-2701	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	166.15	83.99
		For Work In Restricted Working Space, Add	*37.78*	
		For Threaded Fittings, Add	*18.89*	
23 21 13 23-2702	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	199.97	99.78
		For Work In Restricted Working Space, Add	*44.87*	
		For Threaded Fittings, Add	*22.43*	
23 21 13 23-2703	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	279.34	114.02
		For Work In Restricted Working Space, Add	*51.28*	
		For Threaded Fittings, Add	*25.64*	
23 21 13 23-2704	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	346.98	133.05
		For Work In Restricted Working Space, Add	*59.82*	
		For Threaded Fittings, Add	*29.91*	
23 21 13 23-2705	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	649.82	142.62
		For Work In Restricted Working Space, Add	*64.12*	
		For Threaded Fittings, Add	*32.06*	

23 21 13 23-2706 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2585)*

23 21 13 23-2707	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	44.82	21.30
		For Work In Restricted Working Space, Add	*9.57*	
23 21 13 23-2708	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	53.51	25.73
		For Work In Restricted Working Space, Add	*11.58*	
23 21 13 23-2709	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	67.92	33.98
		For Work In Restricted Working Space, Add	*15.27*	
23 21 13 23-2710	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	107.23	43.19
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-2711	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	131.96	51.45
		For Work In Restricted Working Space, Add	*23.16*	
23 21 13 23-2712	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	169.93	63.89
		For Work In Restricted Working Space, Add	*28.71*	
23 21 13 23-2713	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	264.14	83.99
		For Work In Restricted Working Space, Add	*37.78*	
23 21 13 23-2714	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	327.70	99.78
		For Work In Restricted Working Space, Add	*44.87*	
23 21 13 23-2715	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	415.10	133.05
		For Work In Restricted Working Space, Add	*59.82*	
23 21 13 23-2716	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	545.62	171.57
		For Work In Restricted Working Space, Add	*77.16*	
23 21 13 23-2717	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	794.74	212.73
		For Work In Restricted Working Space, Add	*95.66*	
23 21 13 23-2718	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,179.68	263.70
		For Work In Restricted Working Space, Add	*118.60*	

23 21 13 23-2719 Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions *(23 21 13 23-2585)*

23 21 13 23-2720	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	47.77	26.58
23 21 13 23-2721	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	57.11	30.75
23 21 13 23-2722	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	69.21	36.26
23 21 13 23-2723	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	92.88	43.19
23 21 13 23-2724	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	111.95	51.45
23 21 13 23-2725	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	148.80	63.89
23 21 13 23-2726	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	320.13	123.84
23 21 13 23-2727	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	346.97	137.36

23 21 13 23-2728 Schedule 80 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2585)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2729	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.80	5.75
		For Work In Restricted Working Space, Add	*2.61*	
		For Threaded Fittings, Add	*1.30*	
23 21 13 23-2730	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	20.14	7.66
		For Work In Restricted Working Space, Add	*3.48*	
		For Threaded Fittings, Add	*1.74*	
23 21 13 23-2731	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	29.53	9.45
		For Work In Restricted Working Space, Add	*4.31*	
		For Threaded Fittings, Add	*2.15*	
23 21 13 23-2732	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	38.63	13.40
		For Work In Restricted Working Space, Add	*6.09*	
		For Threaded Fittings, Add	*3.05*	
23 21 13 23-2733	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	41.23	15.08
		For Work In Restricted Working Space, Add	*6.87*	
		For Threaded Fittings, Add	*3.44*	
23 21 13 23-2734	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	56.57	19.27
		For Work In Restricted Working Space, Add	*8.73*	
		For Threaded Fittings, Add	*4.37*	
23 21 13 23-2735	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	99.50	28.48
		For Work In Restricted Working Space, Add	*12.92*	
		For Threaded Fittings, Add	*6.46*	
23 21 13 23-2736	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	125.67	37.44
		For Work In Restricted Working Space, Add	*17.00*	
		For Threaded Fittings, Add	*8.50*	
23 21 13 23-2737	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	178.24	44.39
		For Work In Restricted Working Space, Add	*20.19*	
		For Threaded Fittings, Add	*10.10*	
23 21 13 23-2738	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	352.53	50.73
		For Work In Restricted Working Space, Add	*23.08*	
		For Threaded Fittings, Add	*11.54*	
23 21 13 23-2739	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	468.36	59.23
		For Work In Restricted Working Space, Add	*26.92*	
		For Threaded Fittings, Add	*13.46*	
23 21 13 23-2740	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	830.95	88.30
		For Work In Restricted Working Space, Add	*40.14*	
		For Threaded Fittings, Add	*20.07*	

23 21 13 23-2741 Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2585)*

23 21 13 23-2742	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	56.94	21.30
		For Work In Restricted Working Space, Add	*9.57*	
		For Threaded Fittings, Add	*4.79*	
23 21 13 23-2743	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	65.45	25.73
		For Work In Restricted Working Space, Add	*11.58*	
		For Threaded Fittings, Add	*5.79*	
23 21 13 23-2744	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	80.83	33.98
		For Work In Restricted Working Space, Add	*15.27*	
		For Threaded Fittings, Add	*7.64*	
23 21 13 23-2745	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	95.46	43.19
		For Work In Restricted Working Space, Add	*19.40*	
		For Threaded Fittings, Add	*9.70*	
23 21 13 23-2746	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	108.68	51.45
		For Work In Restricted Working Space, Add	*23.16*	
		For Threaded Fittings, Add	*11.58*	
23 21 13 23-2747	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	137.58	63.89
		For Work In Restricted Working Space, Add	*28.71*	
		For Threaded Fittings, Add	*14.36*	
23 21 13 23-2748	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	190.57	83.99
		For Work In Restricted Working Space, Add	*37.78*	
		For Threaded Fittings, Add	*18.89*	
23 21 13 23-2749	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	220.91	99.78
		For Work In Restricted Working Space, Add	*44.87*	
		For Threaded Fittings, Add	*22.43*	
23 21 13 23-2750	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	289.77	133.05
		For Work In Restricted Working Space, Add	*59.82*	
		For Threaded Fittings, Add	*29.91*	
23 21 13 23-2751	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	399.27	171.57
		For Work In Restricted Working Space, Add	*77.16*	
		For Threaded Fittings, Add	*38.58*	
23 21 13 23-2752	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	639.40	212.73
		For Work In Restricted Working Space, Add	*95.66*	
		For Threaded Fittings, Add	*47.83*	
23 21 13 23-2753	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,117.76	263.70
		For Work In Restricted Working Space, Add	*118.60*	
		For Threaded Fittings, Add	*59.30*	

23 21 13 23-2754 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2422)*

Note: In place pipe.

23 21 13 23-2755	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.50	
		For Work In Restricted Working Space, Add	*1.95*	
23 21 13 23-2756	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.01	
		For Work In Restricted Working Space, Add	*2.10*	
23 21 13 23-2757	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.90	
		For Work In Restricted Working Space, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2758	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.28	
		For Work In Restricted Working Space, Add	*2.48*	
23 21 13 23-2759	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.77	
		For Work In Restricted Working Space, Add	*2.63*	
23 21 13 23-2760	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.65	
		For Work In Restricted Working Space, Add	*2.90*	
23 21 13 23-2761	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	10.39	
		For Work In Restricted Working Space, Add	*3.12*	
23 21 13 23-2762	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.27	
		For Work In Restricted Working Space, Add	*3.68*	
23 21 13 23-2763	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	16.57	
		For Work In Restricted Working Space, Add	*4.97*	
23 21 13 23-2764	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	23.67	
		For Work In Restricted Working Space, Add	*7.10*	
23 21 13 23-2765	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	31.57	
		For Work In Restricted Working Space, Add	*9.47*	
23 21 13 23-2766	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	38.60	
		For Work In Restricted Working Space, Add	*11.58*	

23 21 13 23-2767 Polyvinylidene Fluoride (PVDF), Socket Weld *(23 21 13 23)*

23 21 13 23-2768 Pipe *(23 21 13 23-2767)*

23 21 13 23-2769	LF	1/2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	60.54	3.47
23 21 13 23-2770	LF	3/4" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	81.27	4.31
23 21 13 23-2771	LF	1" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	115.90	4.55
23 21 13 23-2772	LF	1-1/2" Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	163.25	5.02
23 21 13 23-2773	LF	2" Pipe Schedule 40 Polyvinylidene Fluoride (PVDF) Socket Weld	207.12	5.98

23 21 13 23-2774 90 Degree Elbows *(23 21 13 23-2767)*

23 21 13 23-2775	EA	1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	49.53	12.80
23 21 13 23-2776	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	66.14	17.11
23 21 13 23-2777	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	108.91	21.30
23 21 13 23-2778	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	188.80	33.98
23 21 13 23-2779	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	246.08	43.19

23 21 13 23-2780 45 Degree Elbows *(23 21 13 23-2767)*

23 21 13 23-2781	EA	1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	57.16	12.92
23 21 13 23-2782	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	76.87	17.11
23 21 13 23-2783	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	108.91	21.30
23 21 13 23-2784	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	163.09	33.98
23 21 13 23-2785	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	239.29	43.19

23 21 13 23-2786 Tees *(23 21 13 23-2767)*

23 21 13 23-2787	EA	1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	91.81	21.30
23 21 13 23-2788	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	102.17	25.73
23 21 13 23-2789	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	147.83	33.98
23 21 13 23-2790	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	243.05	51.45
23 21 13 23-2791	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	356.80	63.89

23 21 13 23-2792 Reducing Tees *(23 21 13 23-2767)*

23 21 13 23-2793	EA	3/4" x 1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	104.55	23.93
23 21 13 23-2794	EA	1" x 1/2" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	146.13	27.88
23 21 13 23-2795	EA	1" x 3/4" Reducing Insert, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	149.73	30.27
23 21 13 23-2796	EA	1-1/2" x 1" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	256.75	43.07
23 21 13 23-2797	EA	2" x 1-1/2" Reducing Tees, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	384.25	57.43

23 21 13 23-2798 Socket Weld Reducing Couplings *(23 21 13 23-2767)*

23 21 13 23-2799	EA	3/4" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	56.35	15.20
23 21 13 23-2800	EA	1" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	72.10	17.58
23 21 13 23-2801	EA	1" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	79.36	19.98
23 21 13 23-2802	EA	1-1/2" x 1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	120.66	23.93
23 21 13 23-2803	EA	1-1/2" x 3/4" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	129.06	26.32
23 21 13 23-2804	EA	1-1/2" x 1" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	131.45	27.88
23 21 13 23-2805	EA	2" x 1-1/2" Reducing Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	185.22	39.13

23 21 13 23-2806 Male Adapters, Socket Weld X Male Thread *(23 21 13 23-2767)*

23 21 13 23-2807	EA	1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	79.20	12.92
23 21 13 23-2808	EA	3/4" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	101.17	17.11
23 21 13 23-2809	EA	1" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	116.68	21.30
23 21 13 23-2810	EA	1-1/2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	150.37	33.98
23 21 13 23-2811	EA	2" Male Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	203.91	43.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2812		**Female Adapters, Socket Weld X Female Thread** *(23 21 13 23-2767)*		
23 21 13 23-2813	EA	1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	79.20	12.92
23 21 13 23-2814	EA	3/4" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	101.46	17.11
23 21 13 23-2815	EA	1" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	116.68	21.30
23 21 13 23-2816	EA	1-1/2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	150.37	33.98
23 21 13 23-2817	EA	2" Female Adapter, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	203.97	43.19
23 21 13 23-2818		**Socket Weld Couplings** *(23 21 13 23-2767)*		
23 21 13 23-2819	EA	1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	40.49	12.92
23 21 13 23-2820	EA	3/4" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	52.01	17.11
23 21 13 23-2821	EA	1" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	67.23	21.30
23 21 13 23-2822	EA	1-1/2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	124.38	33.98
23 21 13 23-2823	EA	2" Coupling, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	170.63	43.19
23 21 13 23-2824		**Socket Weld Unions** *(23 21 13 23-2767)*		
23 21 13 23-2825	EA	1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	163.30	21.30
23 21 13 23-2826	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	195.69	25.73
23 21 13 23-2827	EA	1" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	281.76	33.98
23 21 13 23-2828	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	493.97	51.45
23 21 13 23-2829	EA	2" Union, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	608.56	63.89
23 21 13 23-2830		**Caps** *(23 21 13 23-2767)*		
23 21 13 23-2831	EA	1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	30.61	6.42
23 21 13 23-2832	EA	3/4" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	43.24	8.57
23 21 13 23-2833	EA	1" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	54.34	10.60
23 21 13 23-2834	EA	1-1/2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	96.10	16.95
23 21 13 23-2835	EA	2" Cap, Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	136.28	21.51
23 21 13 23-2836		**150 Lb. Socket Weld Flanges** *(23 21 13 23-2767)*		
23 21 13 23-2837	EA	1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	111.31	21.54
23 21 13 23-2838	EA	3/4" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	140.31	25.49
23 21 13 23-2839	EA	1" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	184.84	34.33
23 21 13 23-2840	EA	1-1/2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	266.51	51.93
23 21 13 23-2841	EA	2" Flange, 150 Lb. Polyvinylidene Fluoride (PVDF) Schedule 40 Socket Weld	420.66	63.89
23 21 13 23-2842		**Polyethylene Pipe And Fittings** *(23 21 13 23)*		
23 21 13 23-2843		**Small Diameter Tubing** *(23 21 13 23-2842)*		
23 21 13 23-2844		**Tubing** *(23 21 13 23-2843)*		
23 21 13 23-2845	LF	1/4" Polyethylene Tubing	3.84	
		For Work In Restricted Working Space, Add	*1.08*	
23 21 13 23-2846	LF	5/16" Polyethylene Tubing	4.11	
		For Work In Restricted Working Space, Add	*1.10*	
23 21 13 23-2847	LF	3/8" Polyethylene Tubing	4.32	
		For Work In Restricted Working Space, Add	*1.13*	
23 21 13 23-2848	LF	1/2" Polyethylene Tubing	4.48	
		For Work In Restricted Working Space, Add	*1.22*	
23 21 13 23-2849		**Female Copper Thread x Straight Compression Connection** *(23 21 13 23-2843)* Note: Ford C04.		
23 21 13 23-2850	EA	3/4" Copper X 3/4" P.E. Straight Compression Connection	30.62	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-2851	EA	3/4" Copper X 1" P.E. Straight Compression Connection	35.18	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-2852	EA	1" Copper X 1" P.E. Straight Compression Connection	41.18	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2853	EA	1-1/4" Copper X 1" P.E. Straight Compression Connection	47.39	12.35
		For Work In Restricted Working Space, Add	*7.41*	
23 21 13 23-2854	EA	1-1/4" Copper X 1-1/4" P.E. Straight Compression Connection	53.62	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 21 13 23-2855	EA	1-1/2" Copper X 1-1/2" P.E. Straight Compression Connection	72.60	14.30
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2856	EA	2" Copper X 2" P.E. Straight Compression Connection	83.65	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 21 13 23-2857		**Female Copper Thread x Compression Connection** *(23 21 13 23-2843)* Note: Ford L04.		
23 21 13 23-2858	EA	3/4" Copper X 3/4" P.E. Compression Connection	36.13	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-2859	EA	3/4" Copper X 1" P.E. Compression Connection	42.33	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-2860	EA	1" Copper X 1" P.E. Compression Connection	50.32	11.69
		For Work In Restricted Working Space, Add	*7.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2861	EA	1-1/2" Copper X 1-1/2" P.E. Compression Connection	90.75	14.30
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2862	EA	2" Copper X 2" P.E. Compression Connection	102.90	15.60
		For Work In Restricted Working Space, Add	*9.36*	

23 21 13 23-2863 Male Iron Pipe Thread x Straight Compression Connection *(23 21 13 23-2843)*

Note: Ford C84.

23 21 13 23-2864	EA	3/4" M.I.P. X 3/4" P.E. Straight Compression Connection	32.39	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-2865	EA	3/4" M.I.P. X 1" P.E. Straight Compression Connection	33.43	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-2866	EA	1" M.I.P. X 1" P.E. Straight Compression Connection	37.11	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2867	EA	1-1/4" M.I.P. X 1-1/4" P.E. Straight Compression Connection	50.04	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 21 13 23-2868	EA	1-1/2" M.I.P. X 1-1/2" P.E. Straight Compression Connection	63.01	14.30
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2869	EA	2" M.I.P. X 2" P.E. Straight Compression Connection	81.35	15.60
		For Work In Restricted Working Space, Add	*9.36*	

23 21 13 23-2870 Male Iron Pipe Thread x Compression Connection *(23 21 13 23-2843)*

Note: Ford L84.

23 21 13 23-2871	EA	3/4" M.I.P. X 3/4" P.E. Compression Connection	30.26	10.39
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-2872	EA	3/4" M.I.P. X 1" P.E. Compression Connection	37.26	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 21 13 23-2873	EA	1" M.I.P. X 1" P.E. Compression Connection	44.25	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2874	EA	1-1/2" M.I.P. X 1-1/2" P.E. Compression Connection	84.75	14.30
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2875	EA	2" M.I.P. X 2" P.E. Compression Connection	111.67	15.60
		For Work In Restricted Working Space, Add	*9.36*	

23 21 13 23-2876 Straight Couplings, Compression Connection *(23 21 13 23-2843)*

Note: Ford C44.

23 21 13 23-2877	EA	3/4" X 3/4" Compression Connection	32.36	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-2878	EA	1" X 1" Compression Connection	38.85	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2879	EA	1-1/4" X 1-1/4" Compression Connection	66.15	12.99
		For Work In Restricted Working Space, Add	*7.80*	
23 21 13 23-2880	EA	1-1/2" X 1-1/2" Compression Connection	78.04	14.30
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2881	EA	2" X 2" Compression Connection	97.98	15.60
		For Work In Restricted Working Space, Add	*9.36*	

23 21 13 23-2882 Elbow Couplings x Compression Connection *(23 21 13 23-2843)*

Note: Ford L44.

23 21 13 23-2883	EA	3/4" X 3/4" Compression Connection	35.59	9.10
		For Work In Restricted Working Space, Add	*5.46*	
23 21 13 23-2884	EA	1" X 1" Compression Connection	45.74	11.69
		For Work In Restricted Working Space, Add	*7.02*	
23 21 13 23-2885	EA	1-1/2" X 1-1/2" Compression Connection	97.48	14.30
		For Work In Restricted Working Space, Add	*8.57*	
23 21 13 23-2886	EA	2" X 2" Compression Connection	170.59	15.60
		For Work In Restricted Working Space, Add	*9.36*	

23 21 13 23-2887 Stainless Steel Insert Stiffeners *(23 21 13 23-2843)*

Note: Ford insert.

23 21 13 23-2888	EA	3/4" Stainless Steel Insert Stiffeners	8.70	2.73
		For Work In Restricted Working Space, Add	*1.62*	
23 21 13 23-2889	EA	1" Stainless Steel Insert Stiffeners	11.03	3.12
		For Work In Restricted Working Space, Add	*1.88*	
23 21 13 23-2890	EA	1-1/4" Stainless Steel Insert Stiffeners	15.38	3.38
		For Work In Restricted Working Space, Add	*2.03*	
23 21 13 23-2891	EA	1-1/2" Stainless Steel Insert Stiffeners	19.09	3.64
		For Work In Restricted Working Space, Add	*2.21*	
23 21 13 23-2892	EA	2" Stainless Steel Insert Stiffeners	29.25	4.02
		For Work In Restricted Working Space, Add	*2.44*	

23 21 13 23-2893 Flanged Lead Corporation Stop Coupling *(23 21 13 23-2843)*

Note: Lead flange x copper tube thread (Mueller)

23 21 13 23-2894	EA	3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	63.71	15.60
		For Work In Restricted Working Space, Add	*9.36*	
23 21 13 23-2895	EA	1" x 3/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	85.42	16.24
		For Work In Restricted Working Space, Add	*9.75*	
23 21 13 23-2896	EA	1" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	88.01	17.55
		For Work In Restricted Working Space, Add	*10.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2897	EA	1-1/4" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	132.28	19.49
		For Work In Restricted Working Space, Add	*11.70*	
23 21 13 23-2898	EA	1-1/2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	177.28	20.79
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-2899	EA	2" Flanged Lead Corporation Stop Couplings, XS Lead Flange X Copper Tube Thread (H-15505)	301.59	22.74
		For Work In Restricted Working Space, Add	*13.64*	
23 21 13 23-2900	EA	2" Flanged Lead Corporation Stop Couplings, XXS Lead Flange X Copper Tube Thread (H-15510)	372.65	25.33
		For Work In Restricted Working Space, Add	*15.20*	

23 21 13 23-2901 Aluminum Tubing Assemblies *(23 21 13 23)*

Note: ASTM B210 (Tubing), ASTM B26 (Fittings). Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.

23 21 13 23-2902	LF	1/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	12.68	4.55
23 21 13 23-2903	LF	3/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	14.41	5.20
23 21 13 23-2904	LF	1/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	15.99	5.85
23 21 13 23-2905	LF	5/16" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	17.39	6.50
23 21 13 23-2906	LF	3/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	19.33	7.14
23 21 13 23-2907	LF	1/2" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	22.61	7.80
23 21 13 23-2908	LF	5/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	26.60	8.97
23 21 13 23-2909	LF	3/4" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	33.62	10.17
23 21 13 23-2910	LF	7/8" Inside Diameter Aluminum Pipe/Tubing Assembly Note: Includes all hangers and aluminum fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies.	39.37	11.36
23 21 13 23-2911	LF	1" Inside Diameter Aluminum Pipe/Tubing Assembly	48.86	11.97

23 21 13 23-2912 Chrome Plated Pipe *(23 21 13 23)*

23 21 13 23-2913 Chrome Plated Nipples *(23 21 13 23-2912)*

23 21 13 23-2914 Close *(23 21 13 23-2913)*

23 21 13 23-2915	EA	1/4" Diameter Chrome Plated Nipple, Close	21.93	10.39
23 21 13 23-2916	EA	3/8" Diameter Chrome Plated Nipple, Close	21.37	11.31
23 21 13 23-2917	EA	1/2" Diameter Chrome Plated Nipple, Close	26.26	12.99
23 21 13 23-2918	EA	3/4" Diameter Chrome Plated Nipple, Close	34.27	16.50
23 21 13 23-2919	EA	1" Diameter Chrome Plated Nipple, Close	45.78	21.70
23 21 13 23-2920	EA	1-1/4" Diameter Chrome Plated Nipple, Close	64.73	30.27
23 21 13 23-2921	EA	1-1/2" Diameter Chrome Plated Nipple, Close	78.55	35.48
23 21 13 23-2922	EA	2" Diameter Chrome Plated Nipple, Close	100.74	44.18

23 21 13 23-2923 1-1/2" Nipples *(23 21 13 23-2913)*

23 21 13 23-2924	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	23.34	10.79
23 21 13 23-2925	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.50	11.69
23 21 13 23-2926	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	26.94	13.38
23 21 13 23-2927	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	35.44	16.89

23 21 13 23-2928 2" Nipples *(23 21 13 23-2913)*

23 21 13 23-2929	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	24.28	11.31
23 21 13 23-2930	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	23.30	12.08
23 21 13 23-2931	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	28.85	13.90
23 21 13 23-2932	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	37.08	17.29
23 21 13 23-2933	EA	1" Diameter, 2" Length, Chrome Plated Nipple	48.30	22.48
23 21 13 23-2934	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	68.70	31.19
23 21 13 23-2935	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	83.09	36.38

23 21 13 23-2936 2-1/2" Nipples *(23 21 13 23-2913)*

23 21 13 23-2937	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	25.60	11.69
23 21 13 23-2938	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	24.14	12.61
23 21 13 23-2939	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	30.04	14.30
23 21 13 23-2940	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	37.98	17.80
23 21 13 23-2941	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	49.61	23.00
23 21 13 23-2942	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	72.39	31.57
23 21 13 23-2943	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	87.98	36.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2944	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	111.50	45.48
23 21 13 23-2945		**3" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-2946	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	26.66	12.08
23 21 13 23-2947	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	25.49	12.99
23 21 13 23-2948	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	29.58	13.90
23 21 13 23-2949	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	40.70	18.19
23 21 13 23-2950	EA	1" Diameter, 3" Length, Chrome Plated Nipple	55.05	23.39
23 21 13 23-2951	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	76.42	32.10
23 21 13 23-2952	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	99.32	37.30
23 21 13 23-2953	EA	2" Diameter, 3" Length, Chrome Plated Nipple	120.42	46.00
23 21 13 23-2954		**3-1/2" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-2955	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	27.84	12.61
23 21 13 23-2956	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	27.68	13.38
23 21 13 23-2957	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	32.56	15.20
23 21 13 23-2958	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	44.68	18.58
23 21 13 23-2959	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	57.22	23.77
23 21 13 23-2960	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	84.19	32.49
23 21 13 23-2961	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	102.80	37.68
23 21 13 23-2962	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	127.55	46.39
23 21 13 23-2963		**4" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-2964	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	29.01	12.99
23 21 13 23-2965	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	28.40	13.90
23 21 13 23-2966	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	32.68	14.68
23 21 13 23-2967	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	46.33	19.10
23 21 13 23-2968	EA	1" Diameter, 4" Length, Chrome Plated Nipple	59.31	24.30
23 21 13 23-2969	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	90.14	32.87
23 21 13 23-2970	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	109.84	38.07
23 21 13 23-2971	EA	2" Diameter, 4" Length, Chrome Plated Nipple	136.21	46.78
23 21 13 23-2972		**4-1/2" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-2973	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	30.06	13.38
23 21 13 23-2974	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	30.60	14.30
23 21 13 23-2975	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	35.81	15.99
23 21 13 23-2976	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	48.19	19.49
23 21 13 23-2977	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	66.16	24.69
23 21 13 23-2978	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	95.85	33.39
23 21 13 23-2979	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	113.04	38.60
23 21 13 23-2980	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	144.19	47.30
23 21 13 23-2981		**5" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-2982	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	33.39	13.90
23 21 13 23-2983	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	32.02	14.68
23 21 13 23-2984	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	37.06	16.50
23 21 13 23-2985	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	49.99	19.88
23 21 13 23-2986	EA	1" Diameter, 5" Length, Chrome Plated Nipple	70.39	25.08
23 21 13 23-2987	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	101.05	33.79
23 21 13 23-2988	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	120.10	38.98
23 21 13 23-2989	EA	2" Diameter, 5" Length, Chrome Plated Nipple	149.38	47.69
23 21 13 23-2990		**5-1/2" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-2991	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	34.46	14.30
23 21 13 23-2992	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	33.17	15.20
23 21 13 23-2993	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	40.37	16.89
23 21 13 23-2994	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	51.79	20.40
23 21 13 23-2995	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	72.66	25.60
23 21 13 23-2996	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	107.33	34.18
23 21 13 23-2997	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	125.75	39.37
23 21 13 23-2998	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	155.97	48.08
23 21 13 23-2999		**6" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3000	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	35.72	14.68
23 21 13 23-3001	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	33.85	15.60
23 21 13 23-3002	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	41.53	17.29
23 21 13 23-3003	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	53.26	20.79
23 21 13 23-3004	EA	1" Diameter, 6" Length, Chrome Plated Nipple	79.32	25.99
23 21 13 23-3005	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	111.24	34.69
23 21 13 23-3006	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	134.39	39.89
23 21 13 23-3007	EA	2" Diameter, 6" Length, Chrome Plated Nipple	162.01	48.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-3008		**8" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3009	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	39.90	16.50
23 21 13 23-3010	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	57.57	18.19
23 21 13 23-3011	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	69.89	21.70
23 21 13 23-3012	EA	1" Diameter, 8" Length, Chrome Plated Nipple	92.45	26.89
23 21 13 23-3013	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	131.95	35.48
23 21 13 23-3014	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	161.42	40.67
23 21 13 23-3015	EA	2" Diameter, 8" Length, Chrome Plated Nipple	198.71	49.38
23 21 13 23-3016		**10" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3017	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	45.46	16.50
23 21 13 23-3018	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	64.57	18.19
23 21 13 23-3019	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	78.00	21.70
23 21 13 23-3020	EA	1" Diameter, 10" Length, Chrome Plated Nipple	104.71	26.89
23 21 13 23-3021	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	158.20	35.48
23 21 13 23-3022	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	181.41	40.67
23 21 13 23-3023	EA	2" Diameter, 10" Length, Chrome Plated Nipple	230.68	49.38
23 21 13 23-3024		**12" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3025	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	50.67	18.19
23 21 13 23-3026	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	67.59	19.10
23 21 13 23-3027	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	85.83	22.48
23 21 13 23-3028	EA	1" Diameter, 12" Length, Chrome Plated Nipple	122.26	28.58
23 21 13 23-3029	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	176.91	37.30
23 21 13 23-3030	EA	2" Diameter, 12" Length, Chrome Plated Nipple	258.89	51.19
23 21 13 23-3031		**18" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3032	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	63.69	19.10
23 21 13 23-3033		**24" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3034	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	76.16	19.88
23 21 13 23-3035		**30" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3036	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	84.17	20.79
23 21 13 23-3037		**36" Nipples** *(23 21 13 23-2913)*		
23 21 13 23-3038	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	92.21	21.70
23 21 13 23-3039		**Chrome Plated Fittings** *(23 21 13 23-2912)*		
23 21 13 23-3040		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-3039)*		
23 21 13 23-3041	EA	1/4" 90 Degree Elbow, Chrome Plated	27.53	12.08
23 21 13 23-3042	EA	3/8" 90 Degree Elbow, Chrome Plated	28.23	12.99
23 21 13 23-3043	EA	1/2" 90 Degree Elbow, Chrome Plated	31.59	13.90
23 21 13 23-3044	EA	3/4" 90 Degree Elbow, Chrome Plated	40.44	18.19
23 21 13 23-3045	EA	1" 90 Degree Elbow, Chrome Plated	54.61	23.39
23 21 13 23-3046	EA	1-1/4" 90 Degree Elbow, Chrome Plated	83.07	32.10
23 21 13 23-3047	EA	1-1/2" 90 Degree Elbow, Chrome Plated	99.50	37.30
23 21 13 23-3048	EA	2" 90 Degree Elbow, Chrome Plated	135.04	46.00
23 21 13 23-3049		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-3039)*		
23 21 13 23-3050	EA	1/4" Street 90 Degree Elbow, Chrome Plated	31.45	12.08
23 21 13 23-3051	EA	3/8" Street 90 Degree Elbow, Chrome Plated	32.53	12.99
23 21 13 23-3052	EA	1/2" Street 90 Degree Elbow, Chrome Plated	34.58	13.90
23 21 13 23-3053	EA	3/4" Street 90 Degree Elbow, Chrome Plated	44.85	18.19
23 21 13 23-3054	EA	1" Street 90 Degree Elbow, Chrome Plated	62.73	23.39
23 21 13 23-3055	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	91.40	32.10
23 21 13 23-3056	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	111.17	37.30
23 21 13 23-3057	EA	2" Street 90 Degree Elbow, Chrome Plated	162.49	46.00
23 21 13 23-3058		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-3039)*		
23 21 13 23-3059	EA	1/4" 45 Degree Elbow, Chrome Plated	28.40	12.08
23 21 13 23-3060	EA	3/8" 45 Degree Elbow, Chrome Plated	29.47	12.99
23 21 13 23-3061	EA	1/2" 45 Degree Elbow, Chrome Plated	32.48	13.90
23 21 13 23-3062	EA	3/4" 45 Degree Elbow, Chrome Plated	43.80	18.19
23 21 13 23-3063	EA	1" 45 Degree Elbow, Chrome Plated	58.37	23.39
23 21 13 23-3064	EA	1-1/4" 45 Degree Elbow, Chrome Plated	87.60	32.10
23 21 13 23-3065	EA	1-1/2" 45 Degree Elbow, Chrome Plated	105.55	37.30
23 21 13 23-3066	EA	2" 45 Degree Elbow, Chrome Plated	151.65	46.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-3067		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-3039)*		
23 21 13 23-3068	EA	1/2" Street 45 Degree Elbow, Chrome Plated	37.86	13.90
23 21 13 23-3069		**Chrome Plated Couplings** *(23 21 13 23-3039)*		
23 21 13 23-3070	EA	1/4" Coupling, Chrome Plated	27.00	12.08
23 21 13 23-3071	EA	3/8" Coupling, Chrome Plated	28.30	12.99
23 21 13 23-3072	EA	1/2" Coupling, Chrome Plated	31.81	13.90
23 21 13 23-3073	EA	3/4" Coupling, Chrome Plated	40.53	18.19
23 21 13 23-3074	EA	1" Coupling, Chrome Plated	52.75	23.39
23 21 13 23-3075	EA	1-1/4" Coupling, Chrome Plated	76.31	32.10
23 21 13 23-3076	EA	1-1/2" Coupling, Chrome Plated	93.84	37.30
23 21 13 23-3077	EA	2" Coupling, Chrome Plated	128.11	46.00
23 21 13 23-3078		**Chrome Plated Unions** *(23 21 13 23-3039)*		
23 21 13 23-3079	EA	1/4" Union, Chrome Plated	42.06	13.90
23 21 13 23-3080	EA	3/8" Union, Chrome Plated	43.39	14.68
23 21 13 23-3081	EA	1/2" Union, Chrome Plated	52.14	16.50
23 21 13 23-3082	EA	3/4" Union, Chrome Plated	64.93	21.70
23 21 13 23-3083	EA	1" Union, Chrome Plated	82.19	27.68
23 21 13 23-3084	EA	1-1/4" Union, Chrome Plated	131.53	37.30
23 21 13 23-3085	EA	1-1/2" Union, Chrome Plated	163.26	44.18
23 21 13 23-3086	EA	2" Union, Chrome Plated	212.13	53.80
23 21 13 23-3087		**Chrome Plated Caps** *(23 21 13 23-3039)*		
23 21 13 23-3088	EA	1/4" Cap, Chrome Plated	17.69	6.11
23 21 13 23-3089	EA	3/8" Cap, Chrome Plated	18.33	6.50
23 21 13 23-3090	EA	1/2" Cap, Chrome Plated	20.82	6.88
23 21 13 23-3091	EA	3/4" Cap, Chrome Plated	26.07	9.10
23 21 13 23-3092	EA	1" Cap, Chrome Plated	31.20	11.69
23 21 13 23-3093	EA	1-1/4" Cap, Chrome Plated	45.77	15.99
23 21 13 23-3094	EA	1-1/2" Cap, Chrome Plated	59.73	18.58
23 21 13 23-3095	EA	2" Cap, Chrome Plated	86.66	24.30
23 21 13 23-3096		**Chrome Plated Plugs** *(23 21 13 23-3039)*		
23 21 13 23-3097	EA	1/4" Plug, Chrome Plated	14.70	6.11
23 21 13 23-3098	EA	3/8" Plug, Chrome Plated	15.34	6.50
23 21 13 23-3099	EA	1/2" Plug, Chrome Plated	17.67	6.88
23 21 13 23-3100	EA	3/4" Plug, Chrome Plated	23.84	9.10
23 21 13 23-3101	EA	1" Plug, Chrome Plated	29.49	11.69
23 21 13 23-3102	EA	1-1/4" Plug, Chrome Plated	39.88	15.99
23 21 13 23-3103	EA	1-1/2" Plug, Chrome Plated	48.95	18.58
23 21 13 23-3104	EA	2" Plug, Chrome Plated	67.91	24.30
23 21 13 23-3105		**Chrome Plated Tees** *(23 21 13 23-3039)*		
23 21 13 23-3106	EA	1/4" Chrome Plated Tee	38.56	18.19
23 21 13 23-3107	EA	3/8" Chrome Plated Tee	41.16	19.88
23 21 13 23-3108	EA	1/2" Chrome Plated Tee	45.75	21.70
23 21 13 23-3109	EA	3/4" Chrome Plated Tee	56.95	26.89
23 21 13 23-3110	EA	1" Chrome Plated Tee	80.17	34.69
23 21 13 23-3111	EA	1-1/4" Chrome Plated Tee	110.51	47.69
23 21 13 23-3112	EA	1-1/2" Chrome Plated Tee	140.22	55.49
23 21 13 23-3113	EA	2" Chrome Plated Tee	190.64	68.48
23 21 13 23-3114		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-3039)*		
23 21 13 23-3115	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	43.75	21.70
23 21 13 23-3116	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	51.55	26.89
23 21 13 23-3117		**Chrome Plated Bell Reducers** *(23 21 13 23-3039)*		
23 21 13 23-3118	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	47.37	21.70
23 21 13 23-3119	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	57.77	26.89
23 21 13 23-3120	EA	1" x 1/2" Bell Reducer, Chrome Plated	73.52	34.69
23 21 13 23-3121		**Chrome Plated Reducing Tees** *(23 21 13 23-3039)*		
23 21 13 23-3122	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	62.35	26.89
23 21 13 23-3123		**Chrome Plated Bushings** *(23 21 13 23-3039)*		
23 21 13 23-3124	EA	3/8" x 1/4" Bushing, Chrome Plated	14.61	6.11
23 21 13 23-3125	EA	1/2" x 1/4" Bushing, Chrome Plated	15.72	6.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-3126	EA	1/2" x 3/8" Bushing, Chrome Plated	16.37	6.88
23 21 13 23-3127	EA	3/4" x 1/2" Bushing, Chrome Plated	20.87	9.10
23 21 13 23-3128	EA	1" x 3/4" Bushing, Chrome Plated	30.07	11.69
23 21 13 23-3129	EA	1-1/4" x 1" Bushing, Chrome Plated	43.75	15.99

23 21 16 Hydronic Piping Specialties *(23 21)*

23 21 16 00-0001 Air Vents *(23 21 16)*

23 21 16 00-0002 Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0001)*

Note: With guided free floating lever.

23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	355.82	37.69
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	435.67	50.04
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	992.48	52.00
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,471.69	80.33
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,453.39	86.44
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	2,817.24	114.00

23 21 16 00-0009 Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0001)*

Note: With guided free floating lever.

23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,475.28	43.54
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,103.12	50.04
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,704.26	52.00
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,078.83	80.59
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	7,022.09	86.44
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	10,326.11	113.74

23 21 16 00-0016 Manual Air Vent Bleed Plug Valve *(23 21 16 00-0001)*

23 21 16 00-0017	EA	Up To 1/2" Manual Air Vent Bleed Plug Valve	88.72	46.92

23 21 16 00-0018 Automatic Air Vent *(23 21 16 00-0001)*

23 21 16 00-0019	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	267.38	50.04
23 21 16 00-0020	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	292.60	52.00
23 21 16 00-0021	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	414.70	80.33
23 21 16 00-0022	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	511.97	86.44
23 21 16 00-0023	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	652.60	93.15

23 21 16 00-0024 Air Release Valves *(23 21 16 00-0001)*

23 21 16 00-0025 Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0024)*

Note: Up to 175 psi. Stainless steel float.

23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	243.74	19.50
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	248.95	22.10
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	259.34	27.30

23 21 16 00-0029 Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0024)*

Note: Up to 175 psi. Stainless steel float.

23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	1,011.39	27.30
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,209.64	47.45
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,584.53	110.62

23 21 16 00-0033 Cast Iron, Air/Vacuum Valves *(23 21 16 00-0024)*

Note: Up to 150 psi. Stainless steel float.

23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	487.49	19.50
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	600.59	27.30
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	1,037.39	47.45
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,506.53	110.62
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	2,354.37	185.70
23 21 16 00-0039	EA	6" Flanged Cast Iron Air Release Valve (APCO 153)	3,592.27	234.82

23 21 16 00-0040 Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0024)*

Note: Up to 150 psi. Stainless Steel float.

23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	873.59	27.30
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,339.64	47.45
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,465.28	110.62
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	3,189.62	185.70

23 21 16 00-0045 Vent Valves *(23 21 16)*

23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	88.46	19.50
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	212.92	20.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	203.00	20.97
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	209.94	20.97
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	270.70	20.97
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	200.27	20.97
23 21 16 00-0052		Threaded Inlet, Drip-Pan Elbow *(23 21 16)*		
23 21 16 00-0053		Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0052)*		
23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	280.70	32.74
		For Flanged Inlet, Add	*102.67*	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	318.57	38.81
		For Flanged Inlet, Add	*110.22*	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	399.69	44.87
		For Flanged Inlet, Add	*148.70*	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	590.29	50.93
		For Flanged Inlet, Add	*261.62*	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	667.87	60.63
		For Flanged Inlet, Add	*289.22*	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	924.72	76.40
		For Flanged Inlet, Add	*422.65*	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	2,058.17	100.66
		For Flanged Inlet, Add	*1,124.67*	
23 21 16 00-0061		Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0052)*		
23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	707.80	32.74
		For Flanged Inlet, Add	*393.10*	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	856.96	38.81
		For Flanged Inlet, Add	*476.33*	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,224.96	44.87
		For Flanged Inlet, Add	*709.89*	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,249.50	50.93
		For Flanged Inlet, Add	*709.89*	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,800.14	60.63
		For Flanged Inlet, Add	*1,059.16*	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,860.77	76.40
		For Flanged Inlet, Add	*1,059.16*	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,079.02	100.66
		For Flanged Inlet, Add	*1,818.84*	
23 21 16 00-0069		Y-Type Strainers *(23 21 16)*		
23 21 16 00-0070		Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers *(23 21 16 00-0069)*		
23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.21	14.55
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.48*	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	87.85	14.82
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	111.63	20.02
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*17.16*	
23 21 16 00-0074	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	141.80	23.91
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	185.27	29.57
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*25.35*	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	212.36	31.85
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*27.30*	
23 21 16 00-0077	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	290.83	36.39
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*31.20*	
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	550.01	45.49
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*39.00*	
23 21 16 00-0079	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	711.23	56.94
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*48.75*	
23 21 16 00-0080		Flanged, 125 Lb., Iron Body , Y-Type Strainers *(23 21 16 00-0069)*		
23 21 16 00-0081	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	518.50	136.49
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*51.31*	
23 21 16 00-0082	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	592.67	173.28
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0083	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,172.98	220.98
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0084	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,481.50	370.46
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0085	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,603.78	373.15
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*139.72*	
23 21 16 00-0086	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,933.53	414.61
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0087	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,441.84	529.78
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0088	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,010.63	644.94
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*241.85*	
23 21 16 00-0089	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,602.94	575.84
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*345.50*	

23 21 16 00-0090 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0091	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	77.97	14.82
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*12.67*	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	103.64	20.02
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*17.16*	
23 21 16 00-0093	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	126.74	23.91
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*20.47*	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	172.39	29.57
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*25.35*	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	205.14	31.85
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*27.30*	
23 21 16 00-0096	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	273.96	36.39
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*31.20*	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	384.99	45.49
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*39.00*	
23 21 16 00-0098	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	691.20	56.94
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*48.75*	
23 21 16 00-0099	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,198.38	68.24
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*58.49*	

23 21 16 00-0100 Flanged, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With bolted cap.

23 21 16 00-0101	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	660.46	173.28
		For 300 Lb. Rating, Add	*266.29*	
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	688.52	188.49
		For 300 Lb. Rating, Add	*271.31*	
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0103	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	794.35	220.98
		For 300 Lb. Rating, Add	*310.67*	
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0104	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,722.38	370.46
		For 300 Lb. Rating, Add	*754.88*	
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0105	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,427.22	414.61
		For 300 Lb. Rating, Add	*1,144.27*	
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0106	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,912.73	529.78
		For 300 Lb. Rating, Add	*1,952.78*	
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0107	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,487.49	644.94
		For 300 Lb. Rating, Add	*7,008.79*	
		For Work In Restricted Working Space, Add	*241.85*	

23 21 16 00-0108 Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0109 Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainers *(23 21 16 00-0108)*

23 21 16 00-0110	EA	1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	113.78	14.30
		For Work In Restricted Working Space, Add	*12.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0111	EA	3/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	136.55	19.62
		For Work In Restricted Working Space, Add	*16.76*	
23 21 16 00-0112	EA	1" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	164.72	26.64
		For Work In Restricted Working Space, Add	*23.00*	
23 21 16 00-0113	EA	1-1/4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	243.53	28.58
		For Work In Restricted Working Space, Add	*24.56*	
23 21 16 00-0114	EA	1-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	248.62	30.93
		For Work In Restricted Working Space, Add	*26.51*	
23 21 16 00-0115	EA	2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	289.97	35.08
		For Work In Restricted Working Space, Add	*30.02*	
23 21 16 00-0116	EA	2-1/2" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	581.98	45.48
		For Work In Restricted Working Space, Add	*38.98*	
23 21 16 00-0117	EA	3" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	586.22	56.92
		For Work In Restricted Working Space, Add	*48.73*	
23 21 16 00-0118	EA	4" Threaded Or Socket, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	915.23	60.55
		For Work In Restricted Working Space, Add	*51.84*	
23 21 16 00-0119		**Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainers** *(23 21 16 00-0108)*		
23 21 16 00-0120	EA	2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	477.92	81.22
		For Work In Restricted Working Space, Add	*48.73*	
23 21 16 00-0121	EA	2-1/2" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	900.84	105.91
		For Work In Restricted Working Space, Add	*63.54*	
23 21 16 00-0122	EA	3" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	931.00	220.90
		For Work In Restricted Working Space, Add	*82.94*	
23 21 16 00-0123	EA	4" Flanged, Polyvinyl Chloride (PVC) Body, Y-Type Strainer	1,518.85	370.33
		For Work In Restricted Working Space, Add	*139.22*	
23 21 16 00-0124		**Crimped Bronze Body, Class 125, Y-Type Strainers** *(23 21 16 00-0069)*		
		Note: NIBCO		
23 21 16 00-0125	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	189.22	12.99
		For Work In Restricted Working Space, Add	*8.77*	
23 21 16 00-0126	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	219.23	14.30
		For Work In Restricted Working Space, Add	*9.99*	
23 21 16 00-0127	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	312.74	16.24
		For Work In Restricted Working Space, Add	*11.94*	
23 21 16 00-0128	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	420.10	17.29
		For Work In Restricted Working Space, Add	*13.16*	
23 21 16 00-0129	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	506.13	20.01
		For Work In Restricted Working Space, Add	*14.62*	
23 21 16 00-0130	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	750.69	23.65
		For Work In Restricted Working Space, Add	*17.54*	
23 21 16 00-0131		**Crimped Bronze Body, 250 PSI, Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0132	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	80.34	12.99
23 21 16 00-0133	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	97.71	14.30
23 21 16 00-0134	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	141.98	16.24
23 21 16 00-0135	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	172.89	17.29
23 21 16 00-0136	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	205.81	20.01
23 21 16 00-0137	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	269.53	23.65
23 21 16 00-0138		**Cast Iron Body, Suction Diffusers** *(23 21 16)*		
		Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0139	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	569.54	51.21
		For Work In Restricted Working Space, Add	*25.07*	
23 21 16 00-0140	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	598.25	56.81
		For Work In Restricted Working Space, Add	*27.86*	
23 21 16 00-0141	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	607.79	59.66
		For Work In Restricted Working Space, Add	*29.26*	
23 21 16 00-0142	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,149.95	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0143	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	628.39	69.42
		For Work In Restricted Working Space, Add	*33.98*	
23 21 16 00-0144	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	711.01	69.42
		For Work In Restricted Working Space, Add	*33.98*	
23 21 16 00-0145	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,204.08	205.16
		For Work In Restricted Working Space, Add	*76.94*	
23 21 16 00-0146	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,229.06	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0147	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,492.99	296.32
		For Work In Restricted Working Space, Add	*111.12*	
23 21 16 00-0148	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,756.91	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0149	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,011.09	372.57
		For Work In Restricted Working Space, Add	*139.72*	
23 21 16 00-0150	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,429.95	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0151	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,747.75	529.78
		For Work In Restricted Working Space, Add	*197.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0152	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,249.37	529.78
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0153	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,854.25	644.94
		For Work In Restricted Working Space, Add	*241.85*	
23 21 16 00-0154	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,675.53	644.94
		For Work In Restricted Working Space, Add	*241.85*	
23 21 16 00-0155		Duplex Strainers *(23 21 16)*		
23 21 16 00-0156		Iron Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0157		Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0158	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	975.80	32.37
		For Work In Restricted Working Space, Add	*19.43*	
23 21 16 00-0159	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,089.56	37.05
		For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0160	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,477.30	43.54
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0161	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,860.00	47.45
		For Work In Restricted Working Space, Add	*28.47*	
23 21 16 00-0162	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,493.26	57.84
		For Work In Restricted Working Space, Add	*34.82*	
23 21 16 00-0163	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,137.44	74.09
		For Work In Restricted Working Space, Add	*44.45*	
23 21 16 00-0164		Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0156)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0165	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,395.74	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0166	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,510.33	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0167	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,499.54	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0168	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,054.20	328.23
		For Work In Restricted Working Space, Add	*123.40*	
23 21 16 00-0169	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,805.87	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0170	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,280.63	529.78
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0171	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,298.12	644.94
		For Work In Restricted Working Space, Add	*241.85*	
23 21 16 00-0172	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	41,104.34	813.09
		For Work In Restricted Working Space, Add	*488.00*	
23 21 16 00-0173	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	48,980.40	921.35
		For Work In Restricted Working Space, Add	*345.50*	
23 21 16 00-0174	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,242.54	1,013.48
		For Work In Restricted Working Space, Add	*380.06*	
23 21 16 00-0175		Bronze Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0176		Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0175)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0177	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,820.40	32.50
		For Work In Restricted Working Space, Add	*19.43*	
23 21 16 00-0178	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,019.56	37.05
		For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0179	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,957.71	43.54
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0180	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,890.82	47.45
		For Work In Restricted Working Space, Add	*28.47*	
23 21 16 00-0181	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,027.04	57.84
		For Work In Restricted Working Space, Add	*34.82*	
23 21 16 00-0182	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,174.19	74.09
		For Work In Restricted Working Space, Add	*44.45*	
23 21 16 00-0183		Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0175)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0184	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,049.32	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0185	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,258.81	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0186	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,956.19	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0187	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,689.94	328.23
		For Work In Restricted Working Space, Add	*123.40*	
23 21 16 00-0188	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,114.09	414.61
		For Work In Restricted Working Space, Add	*156.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0189		Cast Steel Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0190		Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0191	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,837.37	37.05
		For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0192	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,494.99	43.54
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0193	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,147.62	47.45
		For Work In Restricted Working Space, Add	*28.47*	
23 21 16 00-0194	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,024.09	57.84
		For Work In Restricted Working Space, Add	*34.82*	
23 21 16 00-0195		Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0189)*		
		Note: With brass or stainless steel basket.		
23 21 16 00-0196	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,170.74	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0197	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,881.23	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0198	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,362.30	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0199	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,194.51	328.23
		For Work In Restricted Working Space, Add	*123.40*	
23 21 16 00-0200	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,941.68	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0201	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,580.16	529.78
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0202		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0155)*		
23 21 16 00-0203		Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)*		
		Note: With stainless steel basket.		
23 21 16 00-0204	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,498.05	37.05
		For Work In Restricted Working Space, Add	*22.25*	
23 21 16 00-0205	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,212.06	43.54
		For Work In Restricted Working Space, Add	*26.11*	
23 21 16 00-0206	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,909.18	47.45
		For Work In Restricted Working Space, Add	*28.47*	
23 21 16 00-0207	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,878.38	57.84
		For Work In Restricted Working Space, Add	*34.82*	
23 21 16 00-0208		Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0202)*		
		Note: With stainless steel basket.		
23 21 16 00-0209	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,633.25	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0210	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,485.67	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0211	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,399.65	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0212	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,482.44	328.23
		For Work In Restricted Working Space, Add	*123.40*	
23 21 16 00-0213	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,810.94	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0214	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,674.57	529.78
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0215		Pressure Regulating Valve *(23 21 16)*		
23 21 16 00-0216		Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0215)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lb. rating		
23 21 16 00-0217	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	242.98	16.24
		For Work In Restricted Working Space, Add	*19.49*	
23 21 16 00-0218	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	299.07	18.19
		For Work In Restricted Working Space, Add	*21.66*	
23 21 16 00-0219	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	392.76	19.49
		For Work In Restricted Working Space, Add	*22.93*	
23 21 16 00-0220	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	671.33	21.83
		For Work In Restricted Working Space, Add	*25.99*	
23 21 16 00-0221	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	910.53	25.99
		For Work In Restricted Working Space, Add	*31.19*	
23 21 16 00-0222	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,305.31	39.84
		For Work In Restricted Working Space, Add	*47.86*	
23 21 16 00-0223	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,420.21	44.86
		For Work In Restricted Working Space, Add	*53.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0224	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,560.63	129.82
		For Work In Restricted Working Space, Add	*59.82*	

23 21 16 00-0225 Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0215)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0226 Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

23 21 16 00-0227	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	407.83	21.84
		For Work In Restricted Working Space, Add	*26.17*	
23 21 16 00-0228	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	511.63	30.94
		For Work In Restricted Working Space, Add	*37.14*	
23 21 16 00-0229	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	657.13	37.69
		For Work In Restricted Working Space, Add	*45.35*	
23 21 16 00-0230	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	877.57	45.76
		For Work In Restricted Working Space, Add	*52.70*	
23 21 16 00-0231	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,175.77	52.00
		For Work In Restricted Working Space, Add	*59.99*	
23 21 16 00-0232	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,375.59	72.77
		For Work In Restricted Working Space, Add	*72.77*	

23 21 16 00-0233 Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0225)*

Note: Single seated, spring loaded, direct acting diaphragm valve.

23 21 16 00-0234	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,149.39	175.84
		For Work In Restricted Working Space, Add	*66.15*	
23 21 16 00-0235	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,915.02	206.17
		For Work In Restricted Working Space, Add	*77.41*	
23 21 16 00-0236	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,042.24	345.64
		For Work In Restricted Working Space, Add	*129.94*	
23 21 16 00-0237	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,514.33	406.70
		For Work In Restricted Working Space, Add	*153.06*	

23 21 16 00-0238 Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0215)*

23 21 16 00-0239 Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0238)*

23 21 16 00-0240	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,277.20	15.86
		For Work In Restricted Working Space, Add	*23.79*	
23 21 16 00-0241	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,324.87	15.86
		For Work In Restricted Working Space, Add	*23.79*	
23 21 16 00-0242	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,478.07	20.02
		For Work In Restricted Working Space, Add	*30.03*	
23 21 16 00-0243	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,913.18	25.47
		For Work In Restricted Working Space, Add	*38.22*	
23 21 16 00-0244	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,335.19	29.38
		For Work In Restricted Working Space, Add	*44.07*	
23 21 16 00-0245	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,134.44	34.57
		For Work In Restricted Working Space, Add	*51.87*	

23 21 16 00-0246 Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0238)*

23 21 16 00-0247	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,108.87	175.84
		For Work In Restricted Working Space, Add	*66.15*	
23 21 16 00-0248	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,300.97	206.17
		For Work In Restricted Working Space, Add	*77.41*	
23 21 16 00-0249	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,547.84	345.64
		For Work In Restricted Working Space, Add	*129.94*	
23 21 16 00-0250	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,958.73	406.70
		For Work In Restricted Working Space, Add	*153.06*	

23 21 16 00-0251 Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves *(23 21 16 00-0215)*

23 21 16 00-0252	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	272.25	16.89
23 21 16 00-0253	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	336.38	18.71
23 21 16 00-0254	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	444.77	19.88
23 21 16 00-0255	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	767.47	22.61
23 21 16 00-0256	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,043.12	27.02
23 21 16 00-0257	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,493.71	41.40
23 21 16 00-0258	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,618.24	45.10
23 21 16 00-0259	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,784.45	51.93

23 21 16 00-0260 Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0215)*

Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).

23 21 16 00-0261	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	223.06	16.24
23 21 16 00-0262	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	245.11	18.19
23 21 16 00-0263	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	305.00	20.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0264	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	725.86	21.83
23 21 16 00-0265	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	786.41	25.99
23 21 16 00-0266	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,235.88	39.84
23 21 16 00-0267		**Plastic Pressure Regulator** *(23 21 16 00-0215)*		
23 21 16 00-0268		**Polyvinyl Chloride (PVC) Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0269	EA	1/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	276.71	19.49
23 21 16 00-0270	EA	1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	307.94	27.02
23 21 16 00-0271	EA	3/4" Polyvinyl Chloride (PVC) Pressure Regulator Valve	542.70	32.49
23 21 16 00-0272	EA	1" Polyvinyl Chloride (PVC) Pressure Regulator Valve	614.13	43.40
23 21 16 00-0273	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	725.97	51.98
23 21 16 00-0274	EA	2" Polyvinyl Chloride (PVC) Pressure Regulator Valve	893.96	81.22
23 21 16 00-0275		**Polypropylene Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0276	EA	1/4" Polypropylene Pressure Regulator Valve	351.35	19.49
23 21 16 00-0277	EA	1/2" Polypropylene Pressure Regulator Valve	432.35	27.29
23 21 16 00-0278	EA	3/4" Polypropylene Pressure Regulator Valve	661.14	32.49
23 21 16 00-0279	EA	1" Polypropylene Pressure Regulator Valve	783.33	43.40
23 21 16 00-0280	EA	1-1/2" Polypropylene Pressure Regulator Valve	915.07	51.98
23 21 16 00-0281	EA	2" Polypropylene Pressure Regulator Valve	1,136.81	81.22
23 21 16 00-0282		**Teflon (PTFE) Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0283	EA	1/4" Teflon (PTFE) Pressure Regulator Valve	744.49	19.49
23 21 16 00-0284	EA	1/2" Teflon (PTFE) Pressure Regulator Valve	855.34	27.02
23 21 16 00-0285	EA	3/4" Teflon Pressure Regulator Valve	1,438.46	32.49
23 21 16 00-0286	EA	1" Teflon (PTFE) Pressure Regulator Valve	1,987.61	43.40
23 21 16 00-0287	EA	1-1/2" Teflon (PTFE) Pressure Regulator Valve	2,398.04	51.98
23 21 16 00-0288	EA	2" Teflon (PTFE) Pressure Regulator Valve	3,357.28	81.22
23 21 16 00-0289		**Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valves** *(23 21 16 00-0267)*		
23 21 16 00-0290	EA	1/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	247.45	19.49
23 21 16 00-0291	EA	1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	285.19	27.02
23 21 16 00-0292	EA	3/4" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	455.90	32.49
23 21 16 00-0293	EA	1" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	542.87	43.27
23 21 16 00-0294	EA	1-1/2" Polyvinyl Chloride (PVC), Viton Seals, Pressure Regulator Valve	632.30	51.98
23 21 16 00-0295		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0296	EA	1/2" Dual Unit Reducing And Relief Valve	251.63	39.65
23 21 16 00-0297		**Safety Relief Valve** *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0298		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0297)*		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0299	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	92.33	16.24
23 21 16 00-0300	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	129.09	17.87
23 21 16 00-0301	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	187.48	21.76
23 21 16 00-0302	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	243.71	23.06
23 21 16 00-0303	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	335.80	30.86
23 21 16 00-0304	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	451.74	36.38
23 21 16 00-0305	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	511.17	45.48
23 21 16 00-0306		**Plastic Pressure Relief Valves** *(23 21 16 00-0297)*		
23 21 16 00-0307		**Polyvinyl Chloride (PVC) Pressure Relief Valves** *(23 21 16 00-0306)*		
23 21 16 00-0308	EA	1/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	228.60	19.49
23 21 16 00-0309	EA	1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	253.20	27.29
23 21 16 00-0310	EA	3/4" Polyvinyl Chloride (PVC) Pressure Relief Valve	471.38	32.49
23 21 16 00-0311	EA	1" Polyvinyl Chloride (PVC) Pressure Relief Valve	559.39	43.53
23 21 16 00-0312	EA	1-1/2" Polyvinyl Chloride (PVC) Pressure Relief Valve	725.97	51.98
23 21 16 00-0313	EA	2" Polyvinyl Chloride (PVC) Pressure Relief Valve	908.89	81.22
23 21 16 00-0314		**Polypropylene Pressure Relief Valves** *(23 21 16 00-0306)*		
23 21 16 00-0315	EA	1/4" Polypropylene Pressure Relief Valve	261.78	19.49
23 21 16 00-0316	EA	1/2" Polypropylene Pressure Relief Valve	302.96	27.02
23 21 16 00-0317	EA	3/4" Polypropylene Pressure Relief Valve	587.49	32.49
23 21 16 00-0318	EA	1" Polypropylene Pressure Relief Valve	683.80	43.40
23 21 16 00-0319	EA	1-1/2" Polypropylene Pressure Relief Valve	1,198.73	51.98
23 21 16 00-0320	EA	2" Polypropylene Pressure Relief Valve	1,472.88	81.22
23 21 16 00-0321		**Teflon (PTFE) Pressure Relief Valves** *(23 21 16 00-0306)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0322	EA	1/4" Teflon (PTFE) Pressure Relief Valve	460.83	19.49
23 21 16 00-0323	EA	1/2" Teflon (PTFE) Pressure Relief Valve	510.31	27.02
23 21 16 00-0324	EA	3/4" Teflon (PTFE) Pressure Relief Valve	960.72	32.49
23 21 16 00-0325	EA	1" Teflon (PTFE) Pressure Relief Valve	1,131.67	43.40
23 21 16 00-0326	EA	1-1/2" Teflon (PTFE) Pressure Relief Valve	1,845.66	51.98
23 21 16 00-0327	EA	2" Teflon (PTFE) Pressure Relief Valve	2,385.22	81.22
23 21 16 00-0328		Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valves *(23 21 16 00-0306)*		
23 21 16 00-0329	EA	1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	239.36	27.02
23 21 16 00-0330	EA	3/4" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	273.60	32.49
23 21 16 00-0331	EA	1" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	334.26	43.27
23 21 16 00-0332	EA	1-1/2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	427.59	51.98
23 21 16 00-0333	EA	2" Polyvinyl Chloride (PVC), Vitron Seals, Pressure Relief Valve	545.56	81.22
23 21 16 00-0334		Threaded, Bronze Body, Temperature And Pressure Relief Valves *(23 21 16)*		
23 21 16 00-0335	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	104.79	33.13
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0336	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	135.53	39.76
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0337	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	199.01	53.01
		For Cast Iron Body, Add	*140.48*	
23 21 16 00-0338	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	331.65	56.79
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0339	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	560.79	63.67
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0340	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	647.06	91.53
		For Cast Iron Body, Add	*621.88*	
23 21 16 00-0341		Thermostatic Radiator Valves *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0342	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	101.07	20.97
23 21 16 00-0343	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	122.89	28.26
23 21 16 00-0344	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	163.76	34.21
23 21 16 00-0345	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	254.42	43.34
23 21 16 00-0346	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	101.07	20.97
23 21 16 00-0347	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	122.89	28.26
23 21 16 00-0348	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	163.76	34.21
23 21 16 00-0349	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	254.42	43.34
23 21 16 00-0350	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	103.47	16.24
23 21 16 00-0351	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	174.23	22.75
23 21 16 00-0352		Radiator Trap Repair Kits *(23 21 16)*		
		Note: For hot water or two pipe low pressure steam.		
23 21 16 00-0353	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	161.57	
23 21 16 00-0354	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	201.84	
23 21 16 00-0355	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	204.58	
23 21 16 00-0356	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	232.58	
23 21 16 00-0357	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	549.43	
23 21 16 00-0358		Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.		
23 21 16 00-0359	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,611.56	97.49
23 21 16 00-0360	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,685.22	113.74
23 21 16 00-0361	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,504.71	129.99
23 21 16 00-0362	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,609.86	146.23
23 21 16 00-0363	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,531.04	162.49
23 21 16 00-0364	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,725.78	178.73
23 21 16 00-0365	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,426.61	194.98
23 21 16 00-0366	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,737.57	211.23
23 21 16 00-0367	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,220.47	227.48
23 21 16 00-0368	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,372.64	259.98
23 21 16 00-0369	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,733.13	292.48
23 21 16 00-0370	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,718.30	324.97
23 21 16 00-0371	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,962.18	389.97
23 21 16 00-0372		Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX) *(23 21 16)*		
		Note: ASME. Precharged with working pressure 125 psi		
23 21 16 00-0373	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,834.34	97.49
23 21 16 00-0374	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,895.89	113.74
23 21 16 00-0375	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,708.12	129.99
23 21 16 00-0376	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,893.17	146.23
23 21 16 00-0377	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,673.90	162.49
23 21 16 00-0378	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,866.22	178.73
23 21 16 00-0379	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,709.93	194.98
23 21 16 00-0380	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,091.11	211.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0381	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,629.71	227.48
23 21 16 00-0382	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,774.61	259.98
23 21 16 00-0383	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,098.78	292.48
23 21 16 00-0384	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,234.08	324.97
23 21 16 00-0385	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,487.64	389.97
23 21 16 00-0386		**Diaphragm Type (Residential Style) Steel Expansion Tanks** *(23 21 16)*		
23 21 16 00-0387	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	110.69	11.97
23 21 16 00-0388	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	158.52	11.97
23 21 16 00-0389		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0390	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,325.06	390.10
23 21 16 00-0391	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,380.49	390.10
23 21 16 00-0392	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,435.91	390.10
23 21 16 00-0393	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,580.00	390.10
23 21 16 00-0394	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,889.38	519.82
23 21 16 00-0395	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,221.19	520.09
23 21 16 00-0396	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,287.02	520.09
23 21 16 00-0397	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,352.86	520.09
23 21 16 00-0398	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,993.52	649.94
23 21 16 00-0399	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,575.17	649.94
23 21 16 00-0400	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,905.34	779.67
23 21 16 00-0401		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0402	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,642.78	228.78
		For Galvanized Steel Tanks, Add	*648.07*	
23 21 16 00-0403	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,672.70	235.28
		For Galvanized Steel Tanks, Add	*657.62*	
23 21 16 00-0404	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,836.88	243.08
		For Galvanized Steel Tanks, Add	*733.86*	
23 21 16 00-0405	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	2,022.70	252.18
		For Galvanized Steel Tanks, Add	*819.62*	
23 21 16 00-0406	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,385.30	266.48
		For Galvanized Steel Tanks, Add	*991.17*	
23 21 16 00-0407	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,477.90	276.88
		For Galvanized Steel Tanks, Add	*1,029.29*	
23 21 16 00-0408	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	3,105.59	301.58
		For Galvanized Steel Tanks, Add	*1,324.75*	
23 21 16 00-0409	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,387.76	323.67
		For Galvanized Steel Tanks, Add	*1,448.62*	
23 21 16 00-0410	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	4,249.30	365.27
		For Galvanized Steel Tanks, Add	*1,848.08*	
23 21 16 00-0411	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,437.46	418.56
		For Galvanized Steel Tanks, Add	*2,401.69*	
23 21 16 00-0412	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,547.20	464.05
		For Galvanized Steel Tanks, Add	*2,922.29*	
23 21 16 00-0413	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	7,161.97	504.35
		For Galvanized Steel Tanks, Add	*3,198.67*	
23 21 16 00-0414	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	9,122.99	553.74
		For Galvanized Steel Tanks, Add	*4,142.18*	
23 21 16 00-0415	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	9,393.85	591.45
		For Galvanized Steel Tanks, Add	*4,248.70*	
23 21 16 00-0416	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	12,219.49	635.64
		For Galvanized Steel Tanks, Add	*5,628.31*	
23 21 16 00-0417	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	20,633.04	746.13
		For Galvanized Steel Tanks, Add	*9,751.36*	
23 21 16 00-0418		**Compression Tank Air Fittings** *(23 21 16)*		
23 21 16 00-0419	EA	9" To 24" Diameter Compression Tank Air Fittings	249.18	36.39
23 21 16 00-0420	EA	>100 Gallon Compression Tank Air Fittings	802.90	42.90
23 21 16 00-0421		**Vortex Air Separators With Strainer** *(23 21 16)*		
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0422	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,083.60	276.88
		For 300 PSIG, Add	*249.64*	
23 21 16 00-0423	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,588.87	317.17
		For 300 PSIG, Add	*316.11*	
23 21 16 00-0424	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	4,031.60	373.07
		For 300 PSIG, Add	*519.96*	
23 21 16 00-0425	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,311.14	395.02
		For 300 PSIG, Add	*556.89*	
23 21 16 00-0426	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,554.51	526.70
		For 300 PSIG, Add	*713.47*	
23 21 16 00-0427	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	7,024.53	626.52
		For 300 PSIG, Add	*911.41*	

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23 21 16 00-0428	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,352.42	709.43
		For 300 PSIG, Add	*1,091.63*	
23 21 16 00-0429	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	12,102.77	851.10
		For 300 PSIG, Add	*1,621.93*	
23 21 16 00-0430	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,817.60	967.41
		For 300 PSIG, Add	*2,602.77*	
23 21 16 00-0431	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	25,412.22	1,251.88
		For 300 PSIG, Add	*3,527.30*	
23 21 16 00-0432	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	53,536.22	1,520.22
		For 300 PSIG, Add	*7,684.93*	
23 21 16 00-0433	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	66,121.28	1,824.26
		For 300 PSIG, Add	*9,503.59*	
23 21 16 00-0434	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	86,409.74	2,128.31
		For 300 PSIG, Add	*12,477.75*	
23 21 16 00-0435	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	101,134.39	2,432.36
		For 300 PSIG, Add	*14,617.35*	

23 21 16 00-0436 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0437	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,758.62	276.88
		For 300 PSIG, Add	*200.90*	
23 21 16 00-0438	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,234.35	317.17
		For 300 PSIG, Add	*262.94*	
23 21 16 00-0439	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,942.97	373.07
		For 300 PSIG, Add	*506.67*	
23 21 16 00-0440	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,533.16	395.02
		For 300 PSIG, Add	*440.20*	
23 21 16 00-0441	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,737.14	526.70
		For 300 PSIG, Add	*590.87*	
23 21 16 00-0442	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,167.77	626.52
		For 300 PSIG, Add	*782.90*	
23 21 16 00-0443	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,190.38	709.43
		For 300 PSIG, Add	*917.32*	
23 21 16 00-0444	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,621.13	851.10
		For 300 PSIG, Add	*1,249.69*	
23 21 16 00-0445	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,509.64	967.41
		For 300 PSIG, Add	*1,806.58*	
23 21 16 00-0446	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,952.38	1,251.88
		For 300 PSIG, Add	*2,858.32*	
23 21 16 00-0447	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	36,010.15	1,520.22
		For 300 PSIG, Add	*5,056.02*	
23 21 16 00-0448	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	45,677.58	1,824.26
		For 300 PSIG, Add	*6,437.03*	
23 21 16 00-0449	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	61,245.14	2,128.31
		For 300 PSIG, Add	*8,703.06*	
23 21 16 00-0450	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	84,021.65	2,432.36
		For 300 PSIG, Add	*12,050.44*	
23 21 16 00-0451	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	103,027.55	2,736.40
		For 300 PSIG, Add	*14,832.22*	
23 21 16 00-0452	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	122,033.43	3,040.44
		For 300 PSIG, Add	*17,614.01*	

23 21 16 00-0453 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0454	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,797.53	316.01
23 21 16 00-0455	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,394.51	421.09
23 21 16 00-0456	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,834.82	500.75
23 21 16 00-0457	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	8,137.36	567.55
23 21 16 00-0458	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,825.09	681.06
23 21 16 00-0459	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	19,292.55	773.93
23 21 16 00-0460	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	29,470.12	1,001.62

23 21 16 00-0461 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0462	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,990.01	316.01
23 21 16 00-0463	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,577.14	421.09
23 21 16 00-0464	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,978.06	500.75
23 21 16 00-0465	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,975.32	567.55
23 21 16 00-0466	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,363.14	681.06
23 21 16 00-0467	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,905.81	773.93
23 21 16 00-0468	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	23,257.98	1,001.62

23 21 16 00-0469 Removable Head, Air Eliminator And Dirt Separator *(23 21 16)*

Note: Spirovent VDN.

23 21 16 00-0470	EA	2", 45 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,666.31	276.88
23 21 16 00-0471	EA	2-1/2", 70 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	3,974.69	317.17
23 21 16 00-0472	EA	3", 95 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	5,293.63	373.07
23 21 16 00-0473	EA	4", 170 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	6,088.86	571.95
23 21 16 00-0474	EA	5", 260 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	8,860.92	707.13
23 21 16 00-0475	EA	6", 375 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	11,375.04	800.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0476	EA	8", 625 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	17,686.90	180.69
23 21 16 00-0477	EA	10", 950 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	26,028.96	1,091.90
23 21 16 00-0478	EA	12", 1,400 GPM, Removable Head, Air Eliminator And Dirt Separator (Spirotherm VDN)	33,642.75	1,412.97
23 21 16 00-0479		Air Eliminator And Dirt Separator *(23 21 16)*		
		Note: Spirovent VDT.		
23 21 16 00-0480	EA	2", 45 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,604.84	276.88
23 21 16 00-0481	EA	2-1/2", 70 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	3,985.34	317.17
23 21 16 00-0482	EA	3", 95 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,374.77	343.55
23 21 16 00-0483	EA	4", 170 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	4,967.81	526.70
23 21 16 00-0484	EA	5", 260 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	5,743.66	626.52
23 21 16 00-0485	EA	6", 375 GPM, Air Eliminator And Dirt Separator (Spirotherm VDT)	6,229.74	709.43
23 21 16 00-0486		High Velocity, Air Eliminator And Dirt Separator (Spirotherm) *(23 21 16)*		
23 21 16 00-0487	EA	2", 105 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	3,923.22	276.88
23 21 16 00-0488	EA	2-1/2", 155 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,134.84	317.17
23 21 16 00-0489	EA	3", 225 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	7,398.57	343.55
23 21 16 00-0490	EA	4", 405 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	8,363.95	526.70
23 21 16 00-0491	EA	5", 630 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	9,748.58	692.17
23 21 16 00-0492	EA	6", 910 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT)	10,540.84	783.78
23 21 16 00-0493	EA	8", 1550 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT800FA)	27,514.14	940.28
23 21 16 00-0494	EA	10", 2450 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1000FA)	37,933.98	1,068.79
23 21 16 00-0495	EA	12", 3500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1200FA)	47,033.49	1,383.07
23 21 16 00-0496	EA	14", 4300 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1400FA)	53,004.19	1,679.53
23 21 16 00-0497	EA	14", 4800 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VQT1632.150FA) Note: Custom	63,096.82	1,679.53
23 21 16 00-0498	EA	16", 5500 GPM, High Velocity, Flanged, Air Eliminator And Dirt Separator (Spirotherm VHT1600FA)	65,021.73	2,015.44
23 21 16 00-0499		Swivel Joints *(23 21 16)*		
23 21 16 00-0500		Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0499)* Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0501	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	388.17	34.19
23 21 16 00-0502	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	557.83	50.04
23 21 16 00-0503	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	781.30	58.50
23 21 16 00-0504	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,166.16	100.09
23 21 16 00-0505	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,477.63	113.74
		For Stainless Steel, Add	*1,875.23*	
23 21 16 00-0506	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,090.36	173.28
		For Stainless Steel, Add	*1,310.57*	
23 21 16 00-0507	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,472.90	138.24
23 21 16 00-0508	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,879.15	370.46
23 21 16 00-0509	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,478.31	467.96
23 21 16 00-0510		Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0499)* Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0511	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	493.34	34.19
		For Stainless Steel, Add	*637.40*	
23 21 16 00-0512	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	607.51	50.04
		For Stainless Steel, Add	*761.27*	
23 21 16 00-0513	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	818.15	58.50
		For Stainless Steel, Add	*1,049.97*	
23 21 16 00-0514	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,315.18	100.09
		For Stainless Steel, Add	*1,672.80*	
23 21 16 00-0515	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,721.04	113.74
		For Stainless Steel, Add	*2,240.34*	
23 21 16 00-0516	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,124.04	173.28
		For Stainless Steel, Add	*1,361.09*	
23 21 16 00-0517	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,665.81	138.24
		For Stainless Steel, Add	*2,083.86*	
23 21 16 00-0518	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	2,101.86	370.46
		For Stainless Steel, Add	*2,456.42*	
23 21 16 00-0519	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,632.10	467.96
		For Stainless Steel, Add	*4,567.59*	
23 21 16 00-0520		Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0499)* Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0521	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	580.14	34.19
		For Stainless Steel, Add	*767.60*	
23 21 16 00-0522	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	673.74	50.04
		For Stainless Steel, Add	*860.61*	
23 21 16 00-0523	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	984.63	58.50
		For Stainless Steel, Add	*1,299.69*	
23 21 16 00-0524	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,515.53	100.09
		For Stainless Steel, Add	*1,973.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0525	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,787.27	113.74
		For Stainless Steel, Add	*2,339.69*	
23 21 16 00-0526	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,289.62	173.28
		For Stainless Steel, Add	*1,609.46*	
23 21 16 00-0527	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,871.13	138.24
		For Stainless Steel, Add	*2,391.84*	
23 21 16 00-0528	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,313.80	370.46
		For Stainless Steel, Add	*2,774.33*	
23 21 16 00-0529	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	4,087.45	467.96
		For Stainless Steel, Add	*5,250.62*	

23 21 16 00-0530 Basket Strainers *(23 21 16)*

23 21 16 00-0531 Bronze Body Basket Strainers *(23 21 16 00-0530)*

23 21 16 00-0532 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0531)*

23 21 16 00-0533	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	341.97	26.00
		For Work In Restricted Working Space, Add	*15.47*	
23 21 16 00-0534	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	404.14	30.55
		For Work In Restricted Working Space, Add	*18.18*	
23 21 16 00-0535	EA	1" Screwed Ends, Bronze Body Basket Strainer	468.89	36.39
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0536	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	583.47	40.30
		For Work In Restricted Working Space, Add	*24.15*	
23 21 16 00-0537	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	688.76	45.49
		For Work In Restricted Working Space, Add	*27.27*	
23 21 16 00-0538	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,024.61	52.00
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0539	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,449.04	69.54
		For Work In Restricted Working Space, Add	*41.83*	
23 21 16 00-0540	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,036.36	74.09
		For Work In Restricted Working Space, Add	*44.36*	

23 21 16 00-0541 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0531)*

23 21 16 00-0542	EA	2" Flanged, Bronze Body Basket Strainer	1,611.65	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0543	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,419.00	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0544	EA	3" Flanged, Bronze Body Basket Strainer	2,743.92	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0545	EA	4" Flanged, Bronze Body Basket Strainer	4,639.77	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0546	EA	6" Flanged, Bronze Body Basket Strainer	8,776.26	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0547	EA	8" Flanged, Bronze Body Basket Strainer	15,984.17	529.78
		For Work In Restricted Working Space, Add	*197.43*	

23 21 16 00-0548 Iron Body Basket Strainers *(23 21 16 00-0530)*

23 21 16 00-0549 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0548)*

23 21 16 00-0550	EA	1/2" Screwed Ends, Iron Body Basket Strainer	392.34	26.00
		For Work In Restricted Working Space, Add	*15.47*	
23 21 16 00-0551	EA	3/4" Screwed Ends, Iron Body Basket Strainer	442.01	30.55
		For Work In Restricted Working Space, Add	*18.18*	
23 21 16 00-0552	EA	1" Screwed Ends, Iron Body Basket Strainer	522.40	36.39
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0553	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	683.87	40.30
		For Work In Restricted Working Space, Add	*24.15*	
23 21 16 00-0554	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	750.53	45.49
		For Work In Restricted Working Space, Add	*27.27*	
23 21 16 00-0555	EA	2" Screwed Ends, Iron Body Basket Strainer	891.91	52.00
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0556	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,264.88	69.54
		For Work In Restricted Working Space, Add	*41.83*	
23 21 16 00-0557	EA	3" Screwed Ends, Iron Body Basket Strainer	1,429.63	74.09
		For Work In Restricted Working Space, Add	*44.36*	

23 21 16 00-0558 Flanged, Iron Body Basket Strainers *(23 21 16 00-0548)*

23 21 16 00-0559	EA	2" Flanged, Iron Body Basket Strainer	1,716.45	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0560	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,257.81	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0561	EA	3" Flanged, Iron Body Basket Strainer	2,428.45	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0562	EA	4" Flanged, Iron Body Basket Strainer	3,702.94	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0563	EA	6" Flanged, Iron Body Basket Strainer	6,823.61	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0564	EA	8" Flanged, Iron Body Basket Strainer	12,286.97	529.78
		For Work In Restricted Working Space, Add	*197.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0565	EA	10" Flanged, Iron Body Basket Strainer	18,303.81	644.94
		For Work In Restricted Working Space, Add	*241.85*	
23 21 16 00-0566	EA	12" Flanged, Iron Body Basket Strainer	22,384.08	813.09
		For Work In Restricted Working Space, Add	*487.80*	
23 21 16 00-0567	EA	14" Flanged, Iron Body Basket Strainer	27,343.80	921.35
		For Work In Restricted Working Space, Add	*345.50*	
23 21 16 00-0568	EA	16" Flanged, Iron Body Basket Strainer	28,654.46	1,013.48
		For Work In Restricted Working Space, Add	*380.06*	
23 21 16 00-0569		Cast Steel Body Basket Strainers *(23 21 16 00-0530)*		
23 21 16 00-0570		Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0569)*		
23 21 16 00-0571	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	974.66	36.39
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0572	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,285.05	40.30
		For Work In Restricted Working Space, Add	*24.16*	
23 21 16 00-0573	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,448.36	45.49
		For Work In Restricted Working Space, Add	*27.26*	
23 21 16 00-0574	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,035.16	52.00
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0575	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	2,854.38	69.54
		For Work In Restricted Working Space, Add	*41.82*	
23 21 16 00-0576	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	3,704.13	74.09
		For Work In Restricted Working Space, Add	*44.37*	
23 21 16 00-0577		Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0569)*		
23 21 16 00-0578	EA	2" Flanged, Cast Steel Body Basket Strainer	3,027.21	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0579	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	4,347.03	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0580	EA	3" Flanged, Cast Steel Body Basket Strainer	4,769.65	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0581	EA	4" Flanged, Cast Steel Body Basket Strainer	6,773.68	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0582	EA	6" Flanged, Cast Steel Body Basket Strainer	11,896.20	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0583	EA	8" Flanged, Cast Steel Body Basket Strainer	19,299.59	529.78
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0584		Stainless Steel Body Basket Strainers *(23 21 16 00-0530)*		
23 21 16 00-0585		Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0584)*		
23 21 16 00-0586	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	603.21	36.39
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0587	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	866.49	40.30
		For Work In Restricted Working Space, Add	*24.16*	
23 21 16 00-0588	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	895.25	45.49
		For Work In Restricted Working Space, Add	*27.26*	
23 21 16 00-0589	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,321.17	52.00
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0590	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,866.45	69.54
		For Work In Restricted Working Space, Add	*41.82*	
23 21 16 00-0591	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,632.01	74.09
		For Work In Restricted Working Space, Add	*44.37*	
23 21 16 00-0592		Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0584)*		
23 21 16 00-0593	EA	2" Flanged, Stainless Steel Body Basket Strainer	2,027.81	173.28
		For Work In Restricted Working Space, Add	*65.00*	
23 21 16 00-0594	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	3,056.91	188.49
		For Work In Restricted Working Space, Add	*70.90*	
23 21 16 00-0595	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,462.52	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0596	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,853.03	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0597	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,931.87	414.61
		For Work In Restricted Working Space, Add	*156.03*	
23 21 16 00-0598	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,483.83	529.78
		For Work In Restricted Working Space, Add	*197.43*	
23 21 16 00-0599		Plastic Basket Strainers *(23 21 16 00-0530)*		
23 21 16 00-0600		Screwed Or Socket Ends, Simplex, Plastic Basket Strainers *(23 21 16 00-0599)*		
23 21 16 00-0601		Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0600)*		
23 21 16 00-0602	EA	1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	341.96	18.20
		For Work In Restricted Working Space, Add	*15.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0603	EA	3/4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	350.99	21.19
		For Work In Restricted Working Space, Add	*18.18*	
23 21 16 00-0604	EA	1" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	362.60	25.21
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0605	EA	1-1/2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	590.01	31.85
		For Work In Restricted Working Space, Add	*27.26*	
23 21 16 00-0606	EA	2" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	612.64	36.39
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0607	EA	3" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,300.00	52.00
		For Work In Restricted Working Space, Add	*44.37*	
23 21 16 00-0608	EA	4" Screwed Or Socket Ends, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,720.59	68.24
		For Work In Restricted Working Space, Add	*58.48*	
23 21 16 00-0609		Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0600)*		
23 21 16 00-0610	EA	1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	463.04	18.20
		For Work In Restricted Working Space, Add	*15.47*	
23 21 16 00-0611	EA	3/4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	472.07	21.19
		For Work In Restricted Working Space, Add	*18.18*	
23 21 16 00-0612	EA	1" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	483.68	25.21
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0613	EA	1-1/2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	823.48	31.85
		For Work In Restricted Working Space, Add	*27.26*	
23 21 16 00-0614	EA	2" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	851.02	36.39
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0615	EA	3" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	413.14	52.00
		For Work In Restricted Working Space, Add	*44.37*	
23 21 16 00-0616	EA	4" Screwed Or Socket Ends, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,262.26	68.24
		For Work In Restricted Working Space, Add	*58.48*	
23 21 16 00-0617		Flanged, Simplex, Plastic Basket Strainers *(23 21 16 00-0599)*		
23 21 16 00-0618		Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0617)*		
23 21 16 00-0619	EA	1" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	560.17	113.74
		For Work In Restricted Working Space, Add	*68.22*	
23 21 16 00-0620	EA	1-1/2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	854.86	129.99
		For Work In Restricted Working Space, Add	*77.99*	
23 21 16 00-0621	EA	2" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	908.73	151.44
		For Work In Restricted Working Space, Add	*90.86*	
23 21 16 00-0622	EA	3" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	1,659.39	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0623	EA	4" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	2,267.72	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0624	EA	6" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	4,434.13	467.96
		For Work In Restricted Working Space, Add	*176.11*	
23 21 16 00-0625	EA	8" Flanged, Simplex, Polyvinyl Chloride (PVC) Basket Strainer	5,812.59	597.95
		For Work In Restricted Working Space, Add	*222.83*	
23 21 16 00-0626		Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0617)*		
23 21 16 00-0627	EA	1-1/2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,084.33	129.99
		For Work In Restricted Working Space, Add	*77.99*	
23 21 16 00-0628	EA	2" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,144.41	151.44
		For Work In Restricted Working Space, Add	*90.86*	
23 21 16 00-0629	EA	3" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,269.34	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0630	EA	4" Flanged, Simplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,905.76	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0631		Screwed Or Socket Ends, Duplex, Plastic Basket Strainers *(23 21 16 00-0599)*		
23 21 16 00-0632		Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0631)*		
23 21 16 00-0633	EA	1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,429.69	18.20
		For Work In Restricted Working Space, Add	*15.47*	
23 21 16 00-0634	EA	3/4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,438.72	21.19
		For Work In Restricted Working Space, Add	*18.18*	
23 21 16 00-0635	EA	1" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,450.33	25.21
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0636	EA	1-1/2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,236.52	31.85
		For Work In Restricted Working Space, Add	*27.26*	
23 21 16 00-0637	EA	2" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,249.73	36.39
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0638	EA	3" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	4,993.27	52.00
		For Work In Restricted Working Space, Add	*44.37*	
23 21 16 00-0639	EA	4" Screwed Or Socket Ends, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	6,586.35	68.24
		For Work In Restricted Working Space, Add	*58.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0640		Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0631)*		
23 21 16 00-0641	EA	1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,936.83	18.20
		For Work In Restricted Working Space, Add	*15.47*	
23 21 16 00-0642	EA	3/4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,945.86	21.19
		For Work In Restricted Working Space, Add	*18.18*	
23 21 16 00-0643	EA	1" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	1,957.47	25.21
		For Work In Restricted Working Space, Add	*21.67*	
23 21 16 00-0644	EA	1-1/2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,031.30	31.85
		For Work In Restricted Working Space, Add	*27.26*	
23 21 16 00-0645	EA	2" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,044.51	36.39
		For Work In Restricted Working Space, Add	*31.23*	
23 21 16 00-0646	EA	3" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	5,915.48	52.00
		For Work In Restricted Working Space, Add	*44.37*	
23 21 16 00-0647	EA	4" Screwed Or Socket Ends, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	8,884.29	68.24
		For Work In Restricted Working Space, Add	*58.48*	
23 21 16 00-0648		Flanged, Duplex, Plastic Basket Strainers *(23 21 16 00-0599)*		
23 21 16 00-0649		Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainers *(23 21 16 00-0648)*		
23 21 16 00-0650	EA	1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,507.00	48.74
		For Work In Restricted Working Space, Add	*29.25*	
23 21 16 00-0651	EA	3/4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,539.49	64.99
		For Work In Restricted Working Space, Add	*39.00*	
23 21 16 00-0652	EA	1" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	1,636.91	113.74
		For Work In Restricted Working Space, Add	*68.22*	
23 21 16 00-0653	EA	1-1/2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,487.24	129.99
		For Work In Restricted Working Space, Add	*77.99*	
23 21 16 00-0654	EA	2" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	2,530.12	151.44
		For Work In Restricted Working Space, Add	*90.86*	
23 21 16 00-0655	EA	3" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	5,294.58	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0656	EA	4" Flanged, Duplex, Polyvinyl Chloride (PVC) Basket Strainer	7,073.84	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0657		Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainers *(23 21 16 00-0648)*		
23 21 16 00-0658	EA	1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,022.86	48.74
		For Work In Restricted Working Space, Add	*29.24*	
23 21 16 00-0659	EA	3/4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,055.33	64.99
		For Work In Restricted Working Space, Add	*38.98*	
23 21 16 00-0660	EA	1" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	2,152.80	113.74
		For Work In Restricted Working Space, Add	*68.22*	
23 21 16 00-0661	EA	1-1/2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,306.49	129.99
		For Work In Restricted Working Space, Add	*77.99*	
23 21 16 00-0662	EA	2" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	3,349.37	151.44
		For Work In Restricted Working Space, Add	*90.86*	
23 21 16 00-0663	EA	3" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	7,297.15	220.98
		For Work In Restricted Working Space, Add	*82.97*	
23 21 16 00-0664	EA	4" Flanged, Duplex, Chlorinated Polyvinyl Chloride (CPVC) Basket Strainer	9,530.65	370.46
		For Work In Restricted Working Space, Add	*139.28*	
23 21 16 00-0665		Plastic Strainer Baskets *(23 21 16 00-0599)*		
23 21 16 00-0666		Polyvinyl Chloride (PVC) Strainer Baskets *(23 21 16 00-0665)*		
23 21 16 00-0667	EA	1/2", 3/4" Or 1" Polyvinyl Chloride (PVC) Strainer Basket	122.59	
23 21 16 00-0668	EA	1-1/2", Or 2" Polyvinyl Chloride (PVC) Strainer Basket	150.37	
23 21 16 00-0669	EA	3" Polyvinyl Chloride (PVC) Strainer Basket	337.46	
23 21 16 00-0670	EA	4" Polyvinyl Chloride (PVC) Strainer Basket	382.98	
23 21 16 00-0671		Chlorinated Polyvinyl Chloride (CPVC) Strainer Baskets *(23 21 16 00-0665)*		
23 21 16 00-0672	EA	1/2", 3/4" Or 1" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	164.87	
23 21 16 00-0673	EA	1-1/2" Or 2" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	206.45	
23 21 16 00-0674	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	458.77	
23 21 16 00-0675	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Strainer Basket	508.95	
23 21 16 00-0676		Bag Filter And Mounting Stands *(23 21 16)*		
23 21 16 00-0677		Stainless Steel Housing, Bag Filter And Mounting Stands *(23 21 16 00-0676)*		
23 21 16 00-0678	EA	4" Diameter Flanged, 395 GPM, 3-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	6,493.53	370.46
23 21 16 00-0679	EA	4" Diameter Flanged, 525 GPM, 4-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	7,462.53	370.46
23 21 16 00-0680	EA	6" Diameter Flanged, 785 GPM, 6-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	11,286.79	414.61
23 21 16 00-0681	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	15,645.31	529.78
23 21 16 00-0682	EA	10" Diameter Flanged, 2,115 GPM, 16-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	22,942.49	644.94
23 21 16 00-0683	EA	10" Diameter Flanged, 2,645 GPM, 20-Bag, 304 Stainless Steel Housing, Bag Filter And Mounting Stand	26,644.96	644.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0684	EA	4" Diameter Flanged PVC Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged PVC pipe headers with two 2" butterfly valves on each header.	5,479.79	738.58
23 21 16 00-0685	EA	4" Diameter Flanged Stainless Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged 304 stainless steel pipe headers with two 2" butterfly valves on each header.	7,417.80	738.58
23 21 16 00-0686	EA	4" Diameter Flanged Carbon Steel Header, Dual 2" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 2" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	6,448.80	738.58
23 21 16 00-0687	EA	4" Diameter Flanged Carbon Steel Header, Dual 4" Diameter Inlet/Outlet, 304 Stainless Steel Housing, Bag Filter And Mounting Stands On Skid Note: Includes dual 4" flanged inlet/out stainless steel housing and mounting stands, steel skid, and 4" flanged carbon steel pipe headers with two 2" butterfly valves on each header.	25,349.88	912.14
23 21 16 00-0688		**Carbon Steel Housing, Bag Filter And Mounting Stands** *(23 21 16 00-0676)*		
23 21 16 00-0689	EA	4" Diameter Flanged, 395 GPM, 3-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	4,986.19	370.46
23 21 16 00-0690	EA	4" Diameter Flanged, 525 GPM, 4-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,170.53	370.46
23 21 16 00-0691	EA	6" Diameter Flanged, 5,785 GPM, 6-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	6,980.11	414.61
23 21 16 00-0692	EA	8" Diameter Flanged, 1,580 GPM, 12-Bag, Carbon Steel Housing, Bag Filter And Mounting Stand	12,286.10	529.78
23 21 23		**Hydronic Pumps** *(23 21)*		
23 21 23 13		**In-Line Centrifugal Hydronic Pumps** *(23 21 23)*		
23 21 23 13-0001		**Cast Iron Construction Straight Centrifugal Circulating Pump** *(23 21 23 13)* Note: Includes stainless steel impeller and buna-N elastomer.		
23 21 23 13-0002		**1-1/4" x 1" High Head** *(23 21 23 13-0001)*		
23 21 23 13-0003	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,073.34	380.59
23 21 23 13-0004	EA	3/4 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,097.43	380.59
23 21 23 13-0005	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,207.35	439.82
23 21 23 13-0006	EA	1.5 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,248.09	439.82
23 21 23 13-0007		**1-1/2" x 1-1/4" High Head** *(23 21 23 13-0001)*		
23 21 23 13-0008	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,341.30	461.59
23 21 23 13-0009	EA	2 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,374.79	461.59
23 21 23 13-0010	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 1 Phase	1,503.55	506.94
23 21 23 13-0011	EA	3 HP High Head Straight Cast Iron Centrifugal Pump, 3 Phase	1,536.13	506.94
23 21 23 13-0012		**Stainless Steel Construction Straight Centrifugal Circulating Pump** *(23 21 23 13)* Note: Includes stainless steel impeller and viton elastomer.		
23 21 23 13-0013		**1-1/4" x 1" High Head** *(23 21 23 13-0012)*		
23 21 23 13-0014	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,293.98	380.59
23 21 23 13-0015	EA	3/4 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,311.20	380.59
23 21 23 13-0016	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,430.21	439.82
23 21 23 13-0017	EA	1.5 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,470.11	439.82
23 21 23 13-0018		**1-1/2" x 1-1/4" High Head** *(23 21 23 13-0012)*		
23 21 23 13-0019	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,632.95	461.59
23 21 23 13-0020	EA	2 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,666.62	461.59
23 21 23 13-0021	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 1 Phase	1,795.35	506.94
23 21 23 13-0022	EA	3 HP High Head Straight Stainless Steel Centrifugal Pump, 3 Phase	1,828.98	506.94
23 21 23 13-0023		**Cast Iron Single Stage In-Line Centrifugal Pump** *(23 21 23 13)* Note: For general service, 125 Lb. flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0024	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,947.92	347.14
		For Mechanical Seal, Add	*472.56*	
		For Cast Steel Case, Add	*1,063.26*	
23 21 23 13-0025	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,592.49	420.16
		For Mechanical Seal, Add	*506.60*	
		For Cast Steel Case, Add	*1,139.84*	
23 21 23 13-0026	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,777.79	499.17
		For Mechanical Seal, Add	*582.52*	
		For Cast Steel Case, Add	*1,310.67*	
23 21 23 13-0027	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,846.81	665.55
		For Mechanical Seal, Add	*628.14*	
		For Cast Steel Case, Add	*1,413.32*	
23 21 23 13-0028	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	11,283.09	725.40
		For Mechanical Seal, Add	*728.53*	
		For Cast Steel Case, Add	*1,639.20*	
23 21 23 13-0029	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	16,826.18	798.42
		For Mechanical Seal, Add	*1,154.57*	
		For Cast Steel Case, Add	*2,597.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 13-0030	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	19,780.73	997.14
		For Mechanical Seal, Add	*1,343.05*	
		For Cast Steel Case, Add	*3,021.86*	
23 21 23 13-0031	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	27,482.04	1,139.58
		For Mechanical Seal, Add	*1,924.95*	
		For Cast Steel Case, Add	*4,331.15*	
23 21 23 13-0032	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	34,918.70	1,194.30
		For Mechanical Seal, Add	*2,506.86*	
		For Cast Steel Case, Add	*5,640.42*	
23 21 23 13-0033	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	38,161.36	1,535.20
		For Mechanical Seal, Add	*2,684.37*	
		For Cast Steel Case, Add	*6,039.83*	

23 21 23 13-0034 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*

Note: For general service, 125 Lb. flanged, 1,800 RPM TEFC motor.

23 21 23 13-0035	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,544.12	199.31
23 21 23 13-0036	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,513.42	227.80
23 21 23 13-0037	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,904.37	255.09
23 21 23 13-0038	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	5,156.33	277.35
23 21 23 13-0039	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,748.81	303.69
23 21 23 13-0040	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,937.46	335.65
23 21 23 13-0041	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,929.42	398.61
23 21 23 13-0042	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	9,224.82	490.67
23 21 23 13-0043	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	11,879.88	531.48
23 21 23 13-0044	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	13,888.57	562.72
23 21 23 13-0045	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,854.46	597.92
23 21 23 13-0046	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	18,840.79	617.91
23 21 23 13-0047	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	19,827.11	637.78
23 21 23 13-0048	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	23,546.30	683.39
23 21 23 13-0049	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,432.94	776.85
23 21 23 13-0050	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	28,075.59	1,122.06
23 21 23 13-0051	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	33,050.96	2,244.12
23 21 23 13-0052	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	37,981.19	2,692.94

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)	6,740.72	379.46
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)	7,558.66	379.94
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)	9,962.90	499.17
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)	10,923.37	614.08
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)	12,220.77	614.08
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)	11,893.18	665.55
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)	12,630.80	665.55
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)	13,799.01	697.87
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)	15,368.75	887.01
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)	16,269.79	997.14
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)	25,054.09	2,359.11
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)	36,244.01	2,830.43
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)	41,148.25	3,538.03

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	7,585.31	278.91
		For 300 Lb. Flanges, Add	*1,770.59*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	9,693.24	299.26
		For 300 Lb. Flanges, Add	*2,311.09*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	12,154.88	319.61
		For 300 Lb. Flanges, Add	*2,905.72*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,167.72	379.46
		For 300 Lb. Flanges, Add	*3,370.92*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	14,890.12	379.94
		For 300 Lb. Flanges, Add	*3,542.97*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,539.22	499.17
		For 300 Lb. Flanges, Add	*3,660.36*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	15,889.14	499.17
		For 300 Lb. Flanges, Add	*3,747.84*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	16,664.24	499.17
		For 300 Lb. Flanges, Add	*3,941.62*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,335.00	614.08
		For 300 Lb. Flanges, Add	*4,557.51*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	19,630.45	613.60
		For 300 Lb. Flanges, Add	*4,620.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	20,694.92	665.55
		For 300 Lb. Flanges, Add	*4,874.47*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	22,712.28	697.87
		For 300 Lb. Flanges, Add	*5,354.90*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	25,075.79	887.01
		For 300 Lb. Flanges, Add	*5,869.93*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	28,448.53	997.14
		For 300 Lb. Flanges, Add	*6,663.24*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	43,959.36	2,359.11
		For 300 Lb. Flanges, Add	*9,852.62*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	52,273.95	2,830.43
		For 300 Lb. Flanges, Add	*11,703.82*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case	63,722.19	3,538.03
		For 300 Lb. Flanges, Add	*14,224.71*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,267.48	278.91
		For 300 Lb. Flanges, Add	*1,691.13*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,457.87	299.26
		For 300 Lb. Flanges, Add	*1,729.79*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	7,648.42	319.61
		For 300 Lb. Flanges, Add	*1,768.46*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	8,312.14	326.79
		For 300 Lb. Flanges, Add	*1,930.86*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	13,592.35	379.46
		For 300 Lb. Flanges, Add	*3,227.08*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	16,472.02	499.17
		For 300 Lb. Flanges, Add	*3,923.93*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	18,519.24	538.66
		For 300 Lb. Flanges, Add	*4,405.37*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,566.68	598.52
		For 300 Lb. Flanges, Add	*4,615.43*	
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	21,808.82	597.73
		For 300 Lb. Flanges, Add	*5,183.48*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	24,413.27	768.17
		For 300 Lb. Flanges, Add	*5,757.81*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	30,965.97	943.90
		For 300 Lb. Flanges, Add	*7,286.60*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	39,531.76	1,178.92
		For 300 Lb. Flanges, Add	*9,314.33*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	49,739.28	1,415.21
		For 300 Lb. Flanges, Add	*11,752.49*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	58,985.42	1,571.90
		For 300 Lb. Flanges, Add	*13,988.21*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	67,809.70	2,021.73
		For 300 Lb. Flanges, Add	*15,977.66*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	46,555.21	614.08
		For 300 Lb. Flanges, Add	*11,362.56*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	50,257.38	665.55
		For 300 Lb. Flanges, Add	*12,265.09*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	67,070.51	891.28
		For 300 Lb. Flanges, Add	*16,359.52*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	78,263.72	1,224.69
		For 300 Lb. Flanges, Add	*19,004.78*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	108,610.07	1,632.92
		For 300 Lb. Flanges, Add	*26,404.31*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,036.61	359.12
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,567.23	359.12
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,300.56	379.07
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,769.95	379.07
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,926.03	398.61
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,579.69	479.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,884.58	591.16
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,864.33	639.83
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,210.31	691.01
23 21 23 16-0066		Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*		
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,525.51	185.50
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,627.27	196.67
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,895.18	209.41
23 21 23 16-0070	EA	1 HP, Centrifugal Pump, Polypropylene Body	1,294.20	227.48
23 21 23 16-0071		Pumps, Polyvinylidene Fluoride (PVDF) Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*		
23 21 23 16-0072	EA	1/2 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,227.15	196.67
23 21 23 16-0073	EA	3/4 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,315.13	209.41
23 21 23 16-0074	EA	1 HP, Centrifugal Pump, Polyvinylidene Fluoride (PVDF) Body	1,437.53	227.48
23 21 23 16-0075		Pump, Stainless Steel Centrifugal Pump *(23 21 23 16)*		
23 21 23 16-0076		Pump, 304 Stainless Steel Centrifugal Pump *(23 21 23 16-0075)* Note: Carbon/ceramic seals with viton elastomer, 3450 RPM.		
23 21 23 16-0077	EA	3/4 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	969.04	192.72
23 21 23 16-0078	EA	1 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,102.25	245.39
23 21 23 16-0079	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,268.38	299.26
23 21 23 16-0080	EA	2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 1 Phase	1,475.53	374.07
23 21 23 16-0081	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,274.30	299.26
23 21 23 16-0082	EA	2 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,472.99	374.07
23 21 23 16-0083	EA	3 HP Stainless Steel Centrifugal Pump, 1-1/4" In, 1" Discharge, Threaded, 3 Phase	1,652.39	443.51
23 21 23 16-0084	EA	3 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	2,336.31	598.52
23 21 23 16-0085	EA	5 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	3,043.33	882.22
23 21 23 16-0086	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2" In, 1-1/4" Discharge, Flanged, 3 Phase	3,930.01	1,237.62
23 21 23 16-0087	EA	5 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase	3,006.96	882.22
23 21 23 16-0088	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 1-1/2" Discharge, Flanged, 3 Phase	3,847.98	1,237.62
23 21 23 16-0089	EA	7-1/2 HP Stainless Steel Centrifugal Pump, 2-1/2" In, 2" Discharge, Flanged, 3 Phase	3,860.66	1,237.62
23 21 23 16-0090		Pump, 316 Stainless Steel Centrifugal Pump With Viton Elastomer *(23 21 23 16-0075)*		
23 21 23 16-0091	EA	1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	873.54	149.63
23 21 23 16-0092	EA	3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	983.90	192.72
23 21 23 16-0093	EA	3/4 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,015.96	192.72
23 21 23 16-0094	EA	1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,107.36	245.39
23 21 23 16-0095	EA	1 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,138.77	245.39
23 21 23 16-0096	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,237.73	299.26
23 21 23 16-0097	EA	1-1/2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,281.22	299.26
23 21 23 16-0098	EA	2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 1 Phase	1,407.75	374.07
23 21 23 16-0099	EA	2 HP Stainless Steel Centrifugal Pump, 1" In/Out, Threaded, 3 Phase	1,448.98	374.07
23 21 23 23		**Vertical-Turbine Hydronic Pumps** *(23 21 23)* See CSI section 26 29 23 00-0000 for variable frequency motor controllers.		
23 21 23 23-0001		Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)* Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.		
23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	14,718.84	887.01
		For Each Extra Column Assembly <60", Add	*1,230.71*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*535.55*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*388.36*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	17,022.84	997.14
		For Each Extra Column Assembly <60", Add	*1,415.46*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*627.28*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*457.05*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	20,439.12	943.90
		For Each Extra Column Assembly <60", Add	*1,702.82*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*749.87*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*545.48*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	24,171.30	1,089.21
		For Each Extra Column Assembly <60", Add	*2,003.69*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*896.87*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*655.16*	
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	29,846.28	1,178.92
		For Each Extra Column Assembly <60", Add	*2,463.52*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,118.04*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*819.57*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	39,308.72	1,415.21
		For Each Extra Column Assembly <60", Add	*3,235.68*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,481.37*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,088.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	47,014.77	1,769.02
		For Each Extra Column Assembly <60", Add	*3,874.90*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,766.87*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,296.72*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	75,661.81	2,021.73
		For Each Extra Column Assembly <60", Add	*6,182.91*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,896.50*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,139.89*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	99,342.05	2,359.11
		For Each Extra Column Assembly <60", Add	*8,098.99*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,822.05*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,828.63*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	139,283.83	2,830.43
		For Each Extra Column Assembly <60", Add	*11,324.66*	
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*5,389.40*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,996.56*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	243.12	38.90
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	263.81	38.90
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	411.85	44.88

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	133.06	29.93
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	141.89	29.93
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	236.35	38.90
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	255.09	44.88
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	471.93	50.88

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 High Temperature Safety Relief Valve *(23 22 16)*

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.

23 22 16 00-0002 Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0001)*

Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.

23 22 16 00-0003 Threaded *(23 22 16 00-0002)*

23 22 16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	529.80	19.49
23 22 16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	555.12	23.06
23 22 16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	613.27	29.24
23 22 16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	755.55	32.49
23 22 16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	966.90	39.95
23 22 16 00-0009	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,496.25	45.48
23 22 16 00-0010	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,622.14	52.30

23 22 16 00-0011 Flanged *(23 22 16 00-0002)*

23 22 16 00-0012	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,708.59	136.44
23 22 16 00-0013	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,320.81	205.09
23 22 16 00-0014	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,770.97	188.84
23 22 16 00-0015	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,797.87	272.75
23 22 16 00-0016	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,181.94	203.40
23 22 16 00-0017	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,265.61	272.75
23 22 16 00-0018	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,153.98	387.05
23 22 16 00-0019	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,152.08	432.27

23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam *(23 22 16 00-0001)*

Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.

23 22 16 00-0021	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	575.75	17.87
23 22 16 00-0022	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	590.01	19.49
23 22 16 00-0023	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	690.30	21.44
23 22 16 00-0024	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	762.15	23.06
23 22 16 00-0025	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	881.68	25.99
23 22 16 00-0026	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	886.72	29.24
23 22 16 00-0027	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	996.94	30.86
23 22 16 00-0028	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,086.22	32.49
23 22 16 00-0029	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,506.47	36.38
23 22 16 00-0030	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,646.43	39.95
23 22 16 00-0031	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,964.08	45.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0032		**Bronze Body Safety Valve, Threaded, Water** *(23 22 16 00-0001)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0033	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	272.72	17.87
23 22 16 00-0034	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	310.63	19.49
23 22 16 00-0035	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	429.28	21.44
23 22 16 00-0036	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	472.55	23.06
23 22 16 00-0037	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	682.19	25.99
23 22 16 00-0038	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	919.48	30.86
23 22 16 00-0039	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,339.64	36.38
23 22 16 00-0040		**Steam Temperature Regulator, Iron Body** *(23 22 16)*		
23 22 16 00-0041		**Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
		Note: Up to 150 PSI.		
23 22 16 00-0042	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,413.26	18.71
23 22 16 00-0043	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,487.67	25.20
23 22 16 00-0044	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,974.00	31.06
23 22 16 00-0045	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,180.24	39.24
23 22 16 00-0046	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,237.73	45.08
23 22 16 00-0047	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,643.69	49.05
23 22 16 00-0048	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,368.79	89.86
23 22 16 00-0049	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,511.11	97.99
23 22 16 00-0050	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,034.65	229.36
23 22 16 00-0051	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,419.71	269.21
23 22 16 00-0052		**Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
23 22 16 00-0053	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,094.04	18.71
23 22 16 00-0054	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,169.49	25.20
23 22 16 00-0055	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,266.77	31.06
23 22 16 00-0056	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,713.66	39.24
23 22 16 00-0057	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,907.53	45.08
23 22 16 00-0058	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,301.43	49.05
23 22 16 00-0059	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,061.33	89.86
23 22 16 00-0060	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,647.18	97.99
23 22 16 00-0061	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,538.80	229.36
23 22 16 00-0062	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,073.50	269.21
23 22 16 00-0063		**Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
23 22 16 00-0064	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,853.09	18.71
23 22 16 00-0065	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,895.42	25.20
23 22 16 00-0066	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,169.19	31.06
23 22 16 00-0067	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,451.65	39.24
23 22 16 00-0068	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,577.33	45.08
23 22 16 00-0069	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,035.42	49.05
23 22 16 00-0070	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,467.77	89.86
23 22 16 00-0071	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,848.48	97.99
23 22 16 00-0072	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,673.21	229.36
23 22 16 00-0073	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,203.95	269.21
23 22 16 00-0074		**Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body** *(23 22 16 00-0040)*		
23 22 16 00-0075	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,655.23	18.71
23 22 16 00-0076	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,693.57	25.20
23 22 16 00-0077	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,011.44	31.06
23 22 16 00-0078	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,181.57	39.24
23 22 16 00-0079	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,343.37	45.08
23 22 16 00-0080	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,729.27	49.05
23 22 16 00-0081	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,868.84	89.86
23 22 16 00-0082	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,406.20	97.99
23 22 16 00-0083	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,230.93	229.36
23 22 16 00-0084	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,761.68	269.21
23 22 16 00-0085		**Steam Traps** *(23 22 16)*		
23 22 16 00-0086		**Inverted Bucket Steam Traps** *(23 22 16 00-0085)*		
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	349.24	38.99
		For Work In Restricted Working Space, Add	*23.40*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	352.49	40.62
		For Work In Restricted Working Space, Add	*24.37*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	523.30	43.29
		For Work In Restricted Working Space, Add	*26.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	845.90	59.08
		For Work In Restricted Working Space, Add	*35.45*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,258.52	72.79
		For Work In Restricted Working Space, Add	*43.32*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,606.79	108.32
		For Work In Restricted Working Space, Add	*65.00*	

23 22 16 00-0093 Float And Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	369.13	40.62
		For Work In Restricted Working Space, Add	*24.37*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	485.80	43.33
		For Work In Restricted Working Space, Add	*26.00*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	601.12	59.08
		For Work In Restricted Working Space, Add	*35.45*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	879.44	72.21
		For Work In Restricted Working Space, Add	*43.33*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,484.66	108.28
		For Work In Restricted Working Space, Add	*65.00*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	469.36	40.62
		For Work In Restricted Working Space, Add	*24.37*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	510.06	43.29
		For Work In Restricted Working Space, Add	*26.00*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	667.26	59.08
		For Work In Restricted Working Space, Add	*35.45*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,039.52	72.15
		For Work In Restricted Working Space, Add	*43.33*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,632.41	108.32
		For Work In Restricted Working Space, Add	*65.00*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	608.29	40.62
		For Work In Restricted Working Space, Add	*24.37*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	677.66	43.33
		For Work In Restricted Working Space, Add	*26.00*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,031.14	59.08
		For Work In Restricted Working Space, Add	*35.45*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,240.00	72.15
		For Work In Restricted Working Space, Add	*43.33*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,049.19	108.32
		For Work In Restricted Working Space, Add	*65.00*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	617.11	40.62
		For Work In Restricted Working Space, Add	*24.37*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	677.66	43.33
		For Work In Restricted Working Space, Add	*26.00*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,031.14	59.08
		For Work In Restricted Working Space, Add	*35.45*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,240.00	72.15
		For Work In Restricted Working Space, Add	*43.33*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,049.19	108.32
		For Work In Restricted Working Space, Add	*65.00*	

23 22 16 00-0114 Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	180.30	38.99
		For Work In Restricted Working Space, Add	*23.40*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	299.54	40.62
		For Work In Restricted Working Space, Add	*24.37*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	369.43	43.29
		For Work In Restricted Working Space, Add	*26.00*	

23 22 16 00-0118 Thermodynamic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	394.49	35.10
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	558.74	38.99
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	692.08	40.62
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	926.84	43.29

23 22 16 00-0123 Steam Moisture Separator *(23 22 16 00-0085)*

23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	901.92	64.99
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	953.07	87.75
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,148.74	98.79
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,824.10	113.09
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,228.43	173.28
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,364.57	188.49
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,839.72	220.98
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	5,307.53	370.46
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	10,404.59	467.96

23 22 16 00-0133 Steam/Condensate Meter *(23 22 16)*

Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0134	EA	1" Steam/Condensate Meter	12,880.48	107.68
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	14,525.84	126.53
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	15,376.65	157.03
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	16,252.59	206.39
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	18,204.79	320.65
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	31,370.40	405.60
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	32,367.91	512.08
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	33,737.43	628.14
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	35,222.09	762.74
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	37,381.85	897.34
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	38,626.68	987.08
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	

23 22 23 Steam Condensate Pumps *(23 22)*

23 22 23 13 Electric-Driven Steam Condensate Pumps *(23 22 23)*

23 22 23 13-0001 Simplex Condensate Pumps And Motors *(23 22 23 13)*
Note: Cast iron receiver, float switch.

23 22 23 13-0002 20 PSI Discharge Pressure *(23 22 23 13-0001)*

23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,217.61	609.29
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,824.02	626.05
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,955.55	667.95
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,245.18	675.13
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,622.99	734.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,271.27	734.98
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,364.79	785.25
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,522.30	821.16
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,593.18	857.08
23 22 23 13-0012		**30 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,537.65	651.19
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,277.62	667.95
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,406.30	712.24
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,930.84	769.69
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,364.79	786.45
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,514.03	813.98
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,684.60	857.08
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,581.41	912.14
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,831.86	746.95
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,552.18	806.80
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,145.55	797.23
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,487.85	813.98
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,607.18	848.70
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,593.18	857.08
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,692.70	912.14
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,239.67	809.20
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,833.84	825.96
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,386.63	831.94
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,705.36	904.96
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,927.69	975.59
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,628.22	817.58
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,849.94	897.78
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,194.54	904.96
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,683.11	986.36
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,462.31	986.36
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,595.44	1,062.97
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,787.94	1,109.66
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,985.64	1,164.72
23 22 23 13-0045		**30 PSI Discharge Pressure** *(23 22 23 13-0035)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,671.85	881.02
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,898.46	962.42
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,418.10	938.48
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,595.44	1,062.97
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,784.91	1,102.47
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,723.80	1,164.72
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	8,111.33	1,248.51
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,083.96	1,039.03
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,604.95	1,085.72
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,800.62	1,102.47
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,999.63	1,157.54
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,986.95	1,164.72
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	8,142.75	1,248.51
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,301.28	1,039.03
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,725.40	1,141.97
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	7,156.74	1,240.13
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	12,306.94	1,343.08

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	52.21	12.99
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	54.31	12.99
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	72.42	12.99
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	96.97	14.30
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	135.51	16.24
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	220.37	20.01
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	68.80	13.52
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	85.88	14.82
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	175.47	20.28
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	311.34	29.51
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	416.04	36.13
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	506.59	40.68
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	723.12	46.41
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,203.07	129.99
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,578.20	162.49
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,243.35	216.69
23 23 13 00-0022		Check Valves *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	87.20	12.99
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	272.92	14.30
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	316.62	16.24
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	426.23	17.29
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	560.72	20.02
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	830.48	23.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,162.51	34.70
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,537.03	45.49

23 23 13 00-0031 Solenoid Valves *(23 23 13)*

23 23 13 00-0032 Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	232.51	12.99
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	238.04	12.99
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	294.54	14.30
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	294.54	14.30
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	411.85	16.24
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	659.96	17.29
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,211.97	20.02
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,230.14	23.66

23 23 16 Refrigerant Piping Specialties *(23 23)*

23 23 16 00-0001 Soft Refrigeration Copper Tubing *(23 23 16)*

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	5.39	3.09
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.65	3.17
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	5.90	3.26
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.31	3.31
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	6.49	3.36
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	7.28	3.53
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	7.99	3.57
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.73	3.70
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	11.23	4.34
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	14.23	4.98
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	20.48	5.89
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	24.66	6.59

23 23 16 00-0014 Type L Drawn, ACR Copper Tubing *(23 23 16)*

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	7.18	3.64
		For Medical Applications "Oxygen Clean", Add	*0.64*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	8.03	3.64
		For Medical Applications "Oxygen Clean", Add	*0.68*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.58	3.64
		For Medical Applications "Oxygen Clean", Add	*0.71*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	12.39	5.46
		For Medical Applications "Oxygen Clean", Add	*1.03*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	13.54	5.85
		For Medical Applications "Oxygen Clean", Add	*1.12*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.68	5.85
		For Medical Applications "Oxygen Clean", Add	*1.22*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	19.48	6.76
		For Medical Applications "Oxygen Clean", Add	*1.49*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	23.55	7.80
		For Medical Applications "Oxygen Clean", Add	*1.76*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	33.22	9.75
		For Medical Applications "Oxygen Clean", Add	*2.39*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	49.84	14.68
		For Medical Applications "Oxygen Clean", Add	*3.60*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	64.41	18.20
		For Medical Applications "Oxygen Clean", Add	*4.59*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	80.96	21.57
		For Medical Applications "Oxygen Clean", Add	*5.67*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	100.02	26.00
		For Medical Applications "Oxygen Clean", Add	*6.95*	

23 23 16 00-0028 Refrigeration Fittings *(23 23 16)*

23 23 16 00-0029 Brass Flare Fittings *(23 23 16 00-0028)*

23 23 16 00-0030 Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0031	EA	3/8" Brass Flare Union	27.55	14.04
23 23 16 00-0032	EA	1/2" Brass Flare Union	27.55	14.04
23 23 16 00-0033	EA	5/8" Brass Flare Union	29.25	14.04

23 23 16 00-0034 90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*

23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	28.58	14.04
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	28.58	14.04
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	34.26	14.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0038		**Brass Flare Tees** *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	44.79	23.39
23 23 16 00-0040	EA	1/2" Brass Flare Tee	47.33	23.39
23 23 16 00-0041	EA	5/8" Brass Flare Tee	61.12	23.39
23 23 16 00-0042		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	22.89	14.04
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	24.59	14.04
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	27.01	14.04
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	25.07	14.04
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	27.37	14.04
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	27.37	14.04
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	23.92	14.04
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	24.59	14.04
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	31.96	14.04
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	22.96	14.04
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	24.49	14.04
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	24.81	14.04
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)* Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	22.50	14.04
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	22.23	14.04
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	22.63	14.04
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	23.45	14.68
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	32.76	19.36
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	32.55	19.89
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	42.52	24.70
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	60.40	33.80
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	72.34	39.65
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	93.48	48.10
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	157.78	73.05
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	209.84	96.06
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	320.69	114.13
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	26.14	14.04
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	26.41	14.04
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	26.14	14.04
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	28.17	14.68
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	40.19	19.36
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	40.79	19.89
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	51.71	24.70
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	65.70	33.80
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	82.91	39.65
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	114.71	48.10
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	194.88	73.05
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	251.36	96.06
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	445.72	114.13
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	30.69	14.04
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	28.29	14.04
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	30.19	14.04
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	30.37	14.68
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	37.51	19.36
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	40.51	19.89
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	54.24	24.70
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	78.68	33.80
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	97.08	39.65
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	170.92	48.10
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	266.03	73.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	351.34	96.06
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	726.34	114.13
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	34.00	14.04
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	30.69	14.04
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	29.28	14.04
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	25.42	14.68
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	43.71	19.36
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	35.64	19.89
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	51.68	24.70
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	70.37	33.80
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	83.21	39.65
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	111.62	48.10
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	193.85	73.05
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	261.78	96.06
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	421.90	114.13
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)*		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	45.44	23.39
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	46.03	23.39
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	43.87	23.39
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	47.25	29.51
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	64.16	29.51
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	52.32	29.89
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	82.69	39.65
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	103.40	48.10
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	133.91	57.07
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	189.48	76.04
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	401.03	165.99
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	492.08	182.51
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	832.70	202.78
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	37.28	14.04
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	42.57	14.04
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	33.79	14.04
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	35.21	14.04
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	32.17	14.04
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	33.32	14.04
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	16.53	9.36
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	15.57	9.36
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	16.50	9.36
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	99.27	11.97
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	133.94	13.17
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	118.13	13.17
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	159.41	14.36
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	276.02	14.36
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	386.85	15.56
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	690.69	16.76
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	65.31	17.96
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	79.23	21.55
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	95.70	26.33
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	105.26	29.93
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	141.88	38.31
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	164.18	46.69
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	252.92	55.07
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	312.11	75.41
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	383.22	93.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	581.27	10.78
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	585.76	13.17
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	748.55	13.17
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	746.88	14.36
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	832.99	15.56
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	939.31	16.76
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,097.89	17.96
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,370.66	17.96
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	95.93	10.78
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	122.57	10.78
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	156.36	11.97
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	180.81	11.97
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	198.98	11.97
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	228.96	11.97
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	257.78	13.17
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	376.60	13.17
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	410.35	13.17
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	133.13	10.78
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	149.05	10.78
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	178.03	11.97
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	159.55	10.78
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	199.69	11.97
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	232.68	11.97
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	120.79	10.78
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	133.40	10.78
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	160.72	10.78
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	215.59	13.17
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	281.48	13.17
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	334.54	14.36
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	423.77	15.56
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	774.93	16.76
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	867.40	17.96
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,073.71	17.96
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	255.76	10.78
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	356.10	11.97
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	604.24	11.97
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	716.35	13.17
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	776.20	13.17
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	616.63	14.96
		Note: Sporlan SEI.		
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	713.60	15.56
		Note: Sporlan SEI.		
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	811.12	16.16
		Note: Sporlan SEI.		
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	953.96	16.16
		Note: Sporlan SEH.		
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	1,073.96	16.76
		Note: Sporlan SEH.		
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	67.90	15.56
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	68.59	17.96
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	88.82	22.74
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	95.88	27.53
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	113.01	33.51
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	130.72	38.31
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	185.74	14.36
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	261.12	15.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	326.34	15.56
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	445.53	16.76
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	757.93	17.96
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	992.84	17.96
23 23 16 00-0223		Accumulator, Refrigerant Suction Line *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	216.62	54.46
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	293.60	74.81
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	350.20	99.71
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	493.30	119.71
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	679.78	149.63
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	1,033.58	199.55
23 23 16 00-0230		Special Chemicals/Component *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	27.01	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	9.28	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	18.78	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	370.81	

23 23 23 Refrigerants *(23 23)*

23 23 23 00-0001		Refrigerant *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.69	
23 23 23 00-0003	LB	R-134A Refrigerant	14.15	
23 23 23 00-0004	LB	R-404A Refrigerant	14.13	
23 23 23 00-0005	LB	R-407C Refrigerant	12.71	
23 23 23 00-0006	LB	R-408A Refrigerant	28.97	
23 23 23 00-0007	LB	R-410A Refrigerant	12.45	
23 23 23 00-0008	LB	R-500 Refrigerant	48.50	
23 23 23 00-0009	LB	R-507 Refrigerant	7.92	
23 23 23 00-0010	LB	R-32 Refrigerant	16.61	
23 23 23 00-0011	LB	R-452A Refrigerant	18.58	
23 23 23 00-0012	LB	R-453A Refrigerant	21.62	
23 23 23 00-0013	LB	R-454A Refrigerant	29.56	
23 23 23 00-0014	LB	R-454B Refrigerant	23.70	

23 25 HVAC Water Treatment *(23 20)*

23 25 13 Water Treatment for Closed-Loop Hydronic Systems *(23 25)*

23 25 13 00-0001		Polyethylene Chemical Storage Tanks *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	476.86	99.96
23 25 13 00-0003		Gas Chlorinator *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,259.74	454.79
		For Booster Pump, Add	*503.76*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,439.32	519.77
		For Booster Pump, Add	*575.85*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,954.40	393.72
		For Booster Pump, Add	*698.88*	
23 25 13 00-0007		Bypass Shot Feeders *(23 25 13)* Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008		In Line Mount, 125 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,172.37	338.76
23 25 13 00-0010		Floor Mount, 175 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,728.54	509.94
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,280.28	675.13
23 25 13 00-0013		Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,728.54	509.94
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,280.28	675.13
23 25 13 00-0016		Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,113.25	509.94
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,679.75	675.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 **Steel Sheet Metal Duct** *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 **Galvanized Steel Sheet Metal Ductwork And Sealant Assemblies** *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.906 Lbs./SF; 24 gauge - 1.156 Lbs./SF; 22 gauge - 1.406 Lbs./SF; 20 gauge - 1.656 Lbs./SF; 18 gauge - 2.156 Lbs./SF; 16 gauge - 2.656 Lbs./SF

23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	13.20	3.46
		For Polyvinyl Chloride (PVC) Coated, Add	*0.51*	
		For Up To 200, Add	*4.73*	
		For >200 To 500, Add	*3.02*	
		For >500 To 1,000, Add	*2.03*	
		For >1,000 To 2,000, Add	*1.13*	
		For >2,000 To 5,000, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.19*	
		For Elevated Installation >40' Above Floor, Add	*3.51*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	15.06	3.46
		For Polyvinyl Chloride (PVC) Coated, Add	*0.56*	
		For Up To 200, Add	*5.36*	
		For >200 To 500, Add	*3.42*	
		For >500 To 1,000, Add	*2.31*	
		For >1,000 To 2,000, Add	*1.29*	
		For >2,000 To 5,000, Add	*0.57*	
		For Work In Restricted Working Space, Add	*3.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.67*	
		For Elevated Installation >40' Above Floor, Add	*4.04*	
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	17.97	3.46
		For Polyvinyl Chloride (PVC) Coated, Add	*0.61*	
		For Up To 200, Add	*6.31*	
		For >200 To 500, Add	*4.00*	
		For >500 To 1,000, Add	*2.73*	
		For >1,000 To 2,000, Add	*1.53*	
		For >2,000 To 5,000, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.47*	
		For Elevated Installation >40' Above Floor, Add	*4.92*	

23 31 13 13-0006 **Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assemblies** *(23 31 13 13-0001)*

Note: SMACNA weight for aluminum ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.224 Lbs./SF; 24 gauge - 0.282 Lbs./SF; 22 gauge - 0.352 Lbs./SF; 20 gauge - 0.451 Lbs./SF; 18 gauge - 0.563 Lbs./SF; 16 gauge - 0.718 Lbs./SF; 14 gauge – 0.901 Lbs./SF; 12 gauge – 0.141 Lbs./SF

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	25.76	3.46
		For Work In Restricted Working Space, Add	*6.31*	
		For Up To 200, Add	*9.15*	
		For >200 To 500, Add	*5.82*	
		For >500 To 1,000, Add	*3.94*	
		For >1,000 To 2,000, Add	*2.20*	
		For >2,000 To 5,000, Add	*0.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.05*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.31*	
		For Elevated Installation >40' Above Floor, Add	*6.94*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	29.17	3.46
		For Work In Restricted Working Space, Add	*7.25*	
		For Up To 200, Add	*10.25*	
		For >200 To 500, Add	*6.50*	
		For >500 To 1,000, Add	*4.43*	
		For >1,000 To 2,000, Add	*2.48*	
		For >2,000 To 5,000, Add	*1.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.45*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.90*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.25*	
		For Elevated Installation >40' Above Floor, Add	*7.98*	
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	34.68	3.46
		For Work In Restricted Working Space, Add	*8.83*	
		For Up To 200, Add	*11.98*	
		For >200 To 500, Add	*7.55*	
		For >500 To 1,000, Add	*5.22*	
		For >1,000 To 2,000, Add	*2.93*	
		For >2,000 To 5,000, Add	*1.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.83*	
		For Elevated Installation >40' Above Floor, Add	*9.72*	
23 31 13 13-0010		Type 304, Stainless Steel Sheet Metal Ductwork Assemblies *(23 31 13 13-0001)* Note: SMACNA weight for stainless steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.748 Lbs./SF; 24 gauge - 0.987 Lbs./SF; 22 gauge – 1.231 Lbs./SF; 20 gauge - 1.491 Lbs./SF; 18 gauge - 2.016 Lbs./SF; 16 gauge - 2.499 Lbs./SF; 14 gauge – 3.154 Lbs./SF; Lbs./SF; gauge – 4.427 Lbs./SF		
23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	19.31	4.60
		For Work In Restricted Working Space, Add	*3.88*	
		For Welded Seams, Add	*6.78*	
		For Up To 200, Add	*7.71*	
		For >200 To 500, Add	*5.07*	
		For >500 To 1,000, Add	*3.15*	
		For >1,000 To 2,000, Add	*1.74*	
		For >2,000 To 5,000, Add	*0.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.88*	
		For Elevated Installation >40' Above Floor, Add	*4.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	22.23	4.60
		For Work In Restricted Working Space, Add	*4.68*	
		For Welded Seams, Add	*8.13*	
		For Up To 200, Add	*8.66*	
		For >200 To 500, Add	*5.66*	
		For >500 To 1,000, Add	*3.58*	
		For >1,000 To 2,000, Add	*1.98*	
		For >2,000 To 5,000, Add	*0.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.68*	
		For Elevated Installation >40' Above Floor, Add	*5.14*	
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork Assembly Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer.	24.98	4.60
		For Work In Restricted Working Space, Add	*5.43*	
		For Welded Seams, Add	*9.39*	
		For Up To 200, Add	*9.56*	
		For >200 To 500, Add	*6.22*	
		For >500 To 1,000, Add	*3.98*	
		For >1,000 To 2,000, Add	*2.21*	
		For >2,000 To 5,000, Add	*0.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.43*	
		For Elevated Installation >40' Above Floor, Add	*5.97*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF Assemblies *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	14.06	7.10
		For Seal Class B, Add	*1.78*	
		For Seal Class A, Add	*3.79*	
		For Work In Restricted Working Space, Add	*3.56*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	17.56	8.88
		For Seal Class B, Add	*2.22*	
		For Seal Class A, Add	*4.74*	
		For Work In Restricted Working Space, Add	*4.44*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	21.09	10.67
		For Seal Class B, Add	*2.67*	
		For Seal Class A, Add	*5.69*	
		For Work In Restricted Working Space, Add	*5.33*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.59	12.44
		For Seal Class B, Add	*3.11*	
		For Seal Class A, Add	*6.63*	
		For Work In Restricted Working Space, Add	*6.22*	
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.11	14.22
		For Seal Class B, Add	*3.55*	
		For Seal Class A, Add	*7.58*	
		For Work In Restricted Working Space, Add	*7.11*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	31.61	16.00
		For Seal Class B, Add	*4.00*	
		For Seal Class A, Add	*8.53*	
		For Work In Restricted Working Space, Add	*8.00*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.12	17.77
		For Seal Class B, Add	*4.44*	
		For Seal Class A, Add	*9.48*	
		For Work In Restricted Working Space, Add	*8.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	21.09	10.67
		For Seal Class B, Add	*2.67*	
		For Seal Class A, Add	*5.69*	
		For Work In Restricted Working Space, Add	*5.33*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	24.59	12.44
		For Seal Class B, Add	*3.11*	
		For Seal Class A, Add	*6.63*	
		For Work In Restricted Working Space, Add	*6.22*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.11	14.22
		For Seal Class B, Add	*3.55*	
		For Seal Class A, Add	*7.58*	
		For Work In Restricted Working Space, Add	*7.11*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	31.61	16.00
		For Seal Class B, Add	*4.00*	
		For Seal Class A, Add	*8.53*	
		For Work In Restricted Working Space, Add	*8.00*	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.12	17.77
		For Seal Class B, Add	*4.44*	
		For Seal Class A, Add	*9.48*	
		For Work In Restricted Working Space, Add	*8.89*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.65	19.55
		For Seal Class B, Add	*4.89*	
		For Seal Class A, Add	*10.43*	
		For Work In Restricted Working Space, Add	*9.77*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	28.11	14.22
		For Seal Class B, Add	*3.55*	
		For Seal Class A, Add	*7.58*	
		For Work In Restricted Working Space, Add	*7.11*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	31.61	16.00
		For Seal Class B, Add	*4.00*	
		For Seal Class A, Add	*8.53*	
		For Work In Restricted Working Space, Add	*8.00*	
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	35.12	17.77
		For Seal Class B, Add	*4.44*	
		For Seal Class A, Add	*9.48*	
		For Work In Restricted Working Space, Add	*8.89*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	38.65	19.55
		For Seal Class B, Add	*4.89*	
		For Seal Class A, Add	*10.43*	
		For Work In Restricted Working Space, Add	*9.77*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	42.15	21.32
		For Seal Class B, Add	*5.33*	
		For Seal Class A, Add	*11.37*	
		For Work In Restricted Working Space, Add	*10.66*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.67	23.10
		For Seal Class B, Add	*5.78*	
		For Seal Class A, Add	*12.32*	
		For Work In Restricted Working Space, Add	*11.55*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.17	24.88
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.70	26.65
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.21*	
		For Work In Restricted Working Space, Add	*13.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	56.20	28.43
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.11*	
		For Seal Class A, Add	*15.16*	
		For Work In Restricted Working Space, Add	*14.21*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	35.12	17.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.44*	
		For Seal Class A, Add	*9.48*	
		For Work In Restricted Working Space, Add	*8.89*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.65	19.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.89*	
		For Seal Class A, Add	*10.43*	
		For Work In Restricted Working Space, Add	*9.77*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	42.15	21.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.33*	
		For Seal Class A, Add	*11.37*	
		For Work In Restricted Working Space, Add	*10.66*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.67	23.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.78*	
		For Seal Class A, Add	*12.32*	
		For Work In Restricted Working Space, Add	*11.55*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	49.17	24.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.70	26.65
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.21*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	56.20	28.43
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.11*	
		For Seal Class A, Add	*15.16*	
		For Work In Restricted Working Space, Add	*14.21*	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	59.73	30.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	42.15	21.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.33*	
		For Seal Class A, Add	*11.37*	
		For Work In Restricted Working Space, Add	*10.66*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.67	23.10
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.78*	
		For Seal Class A, Add	*12.32*	
		For Work In Restricted Working Space, Add	*11.55*	
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	49.17	24.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.70	26.65
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.21*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	56.20	28.43
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.11*	
		For Seal Class A, Add	*15.16*	
		For Work In Restricted Working Space, Add	*14.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	59.73	30.20
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.23	31.98
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.06*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	49.17	24.88
		For Seal Class B, Add	*6.22*	
		For Seal Class A, Add	*13.27*	
		For Work In Restricted Working Space, Add	*12.44*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.70	26.65
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.21*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	56.20	28.43
		For Seal Class B, Add	*7.11*	
		For Seal Class A, Add	*15.16*	
		For Work In Restricted Working Space, Add	*14.21*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	59.73	30.20
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.23	31.98
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.06*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.76	33.77
		For Seal Class B, Add	*8.44*	
		For Seal Class A, Add	*18.01*	
		For Work In Restricted Working Space, Add	*16.88*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	56.20	28.43
		For Seal Class B, Add	*7.11*	
		For Seal Class A, Add	*15.16*	
		For Work In Restricted Working Space, Add	*14.21*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	59.73	30.20
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.23	31.98
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.06*	
		For Work In Restricted Working Space, Add	*15.99*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.76	33.77
		For Seal Class B, Add	*8.44*	
		For Seal Class A, Add	*18.01*	
		For Work In Restricted Working Space, Add	*16.88*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.26	35.54
		For Seal Class B, Add	*8.88*	
		For Seal Class A, Add	*18.95*	
		For Work In Restricted Working Space, Add	*17.77*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.23	31.98
		For Seal Class B, Add	*8.00*	
		For Seal Class A, Add	*17.06*	
		For Work In Restricted Working Space, Add	*15.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.76	33.77
		For Seal Class B, Add	*8.44*	
		For Seal Class A, Add	*18.01*	
		For Work In Restricted Working Space, Add	*16.88*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.26	35.54
		For Seal Class B, Add	*8.88*	
		For Seal Class A, Add	*18.95*	
		For Work In Restricted Working Space, Add	*17.77*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.76	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	70.26	35.54
		For Seal Class B, Add	*8.88*	
		For Seal Class A, Add	*18.95*	
		For Work In Restricted Working Space, Add	*17.77*	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.76	37.32
		For Seal Class B, Add	*9.33*	
		For Seal Class A, Add	*19.90*	
		For Work In Restricted Working Space, Add	*18.66*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.28	39.09
		For Seal Class B, Add	*9.77*	
		For Seal Class A, Add	*20.85*	
		For Work In Restricted Working Space, Add	*19.55*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.28	39.09
		For Seal Class B, Add	*9.77*	
		For Seal Class A, Add	*20.85*	
		For Work In Restricted Working Space, Add	*19.55*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.78	40.87
		For Seal Class B, Add	*10.22*	
		For Seal Class A, Add	*21.80*	
		For Work In Restricted Working Space, Add	*20.43*	
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	84.32	42.65
		For Seal Class B, Add	*10.66*	
		For Seal Class A, Add	*22.75*	
		For Work In Restricted Working Space, Add	*21.32*	

23 31 13 13-0074 28 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	16.72	8.46
		For Seal Class B, Add	*2.12*	
		For Seal Class A, Add	*4.51*	
		For Work In Restricted Working Space, Add	*4.23*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	20.92	10.57
		For Seal Class B, Add	*2.64*	
		For Seal Class A, Add	*5.64*	
		For Work In Restricted Working Space, Add	*5.29*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	25.10	12.69
		For Seal Class B, Add	*3.17*	
		For Seal Class A, Add	*6.77*	
		For Work In Restricted Working Space, Add	*6.35*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	29.26	14.81
		For Seal Class B, Add	*3.70*	
		For Seal Class A, Add	*7.90*	
		For Work In Restricted Working Space, Add	*7.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.46	16.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.23*	
		For Seal Class A, Add	*9.02*	
		For Work In Restricted Working Space, Add	*8.46*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	37.64	19.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*10.15*	
		For Work In Restricted Working Space, Add	*9.52*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.81	21.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.29*	
		For Seal Class A, Add	*11.28*	
		For Work In Restricted Working Space, Add	*10.58*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	25.10	12.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.17*	
		For Seal Class A, Add	*6.77*	
		For Work In Restricted Working Space, Add	*6.35*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	29.26	14.81
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.70*	
		For Seal Class A, Add	*7.90*	
		For Work In Restricted Working Space, Add	*7.40*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.46	16.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.23*	
		For Seal Class A, Add	*9.02*	
		For Work In Restricted Working Space, Add	*8.46*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	37.64	19.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*10.15*	
		For Work In Restricted Working Space, Add	*9.52*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.81	21.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.29*	
		For Seal Class A, Add	*11.28*	
		For Work In Restricted Working Space, Add	*10.58*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	46.02	23.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.82*	
		For Seal Class A, Add	*12.41*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.46	16.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.23*	
		For Seal Class A, Add	*9.02*	
		For Work In Restricted Working Space, Add	*8.46*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	37.64	19.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*10.15*	
		For Work In Restricted Working Space, Add	*9.52*	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	41.81	21.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.29*	
		For Seal Class A, Add	*11.28*	
		For Work In Restricted Working Space, Add	*10.58*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	46.02	23.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.82*	
		For Seal Class A, Add	*12.41*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	50.18	25.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*13.54*	
		For Work In Restricted Working Space, Add	*12.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	54.36	27.50
		For Seal Class B, Add	*6.88*	
		For Seal Class A, Add	*14.67*	
		For Work In Restricted Working Space, Add	*13.75*	
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.56	29.62
		For Seal Class B, Add	*7.40*	
		For Seal Class A, Add	*15.80*	
		For Work In Restricted Working Space, Add	*14.81*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	62.72	31.73
		For Seal Class B, Add	*7.93*	
		For Seal Class A, Add	*16.92*	
		For Work In Restricted Working Space, Add	*15.86*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.93	33.85
		For Seal Class B, Add	*8.46*	
		For Seal Class A, Add	*18.05*	
		For Work In Restricted Working Space, Add	*16.92*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	41.81	21.16
		For Seal Class B, Add	*5.29*	
		For Seal Class A, Add	*11.28*	
		For Work In Restricted Working Space, Add	*10.58*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	46.02	23.27
		For Seal Class B, Add	*5.82*	
		For Seal Class A, Add	*12.41*	
		For Work In Restricted Working Space, Add	*11.64*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	50.18	25.38
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*13.54*	
		For Work In Restricted Working Space, Add	*12.69*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	54.36	27.50
		For Seal Class B, Add	*6.88*	
		For Seal Class A, Add	*14.67*	
		For Work In Restricted Working Space, Add	*13.75*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.56	29.62
		For Seal Class B, Add	*7.40*	
		For Seal Class A, Add	*15.80*	
		For Work In Restricted Working Space, Add	*14.81*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	62.72	31.73
		For Seal Class B, Add	*7.93*	
		For Seal Class A, Add	*16.92*	
		For Work In Restricted Working Space, Add	*15.86*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.93	33.85
		For Seal Class B, Add	*8.46*	
		For Seal Class A, Add	*18.05*	
		For Work In Restricted Working Space, Add	*16.92*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.11	35.97
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.99*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	50.18	25.38
		For Seal Class B, Add	*6.35*	
		For Seal Class A, Add	*13.54*	
		For Work In Restricted Working Space, Add	*12.69*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	54.36	27.50
		For Seal Class B, Add	*6.88*	
		For Seal Class A, Add	*14.67*	
		For Work In Restricted Working Space, Add	*13.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.56	29.62
		For Seal Class B, Add	*7.40*	
		For Seal Class A, Add	*15.80*	
		For Work In Restricted Working Space, Add	*14.81*	
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	62.72	31.73
		For Seal Class B, Add	*7.93*	
		For Seal Class A, Add	*16.92*	
		For Work In Restricted Working Space, Add	*15.86*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.93	33.85
		For Seal Class B, Add	*8.46*	
		For Seal Class A, Add	*18.05*	
		For Work In Restricted Working Space, Add	*16.92*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.11	35.97
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.99*	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.28	38.07
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.56	29.62
		For Seal Class B, Add	*7.40*	
		For Seal Class A, Add	*15.80*	
		For Work In Restricted Working Space, Add	*14.81*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	62.72	31.73
		For Seal Class B, Add	*7.93*	
		For Seal Class A, Add	*16.92*	
		For Work In Restricted Working Space, Add	*15.86*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.93	33.85
		For Seal Class B, Add	*8.46*	
		For Seal Class A, Add	*18.05*	
		For Work In Restricted Working Space, Add	*16.92*	
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.11	35.97
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.99*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.28	38.07
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.48	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	66.93	33.85
		For Seal Class B, Add	*8.46*	
		For Seal Class A, Add	*18.05*	
		For Work In Restricted Working Space, Add	*16.92*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	71.11	35.97
		For Seal Class B, Add	*8.99*	
		For Seal Class A, Add	*19.18*	
		For Work In Restricted Working Space, Add	*17.99*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.28	38.07
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.48	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	83.64	42.31
		For Seal Class B, Add	*10.58*	
		For Seal Class A, Add	*22.56*	
		For Work In Restricted Working Space, Add	*21.15*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.28	38.07
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.48	40.19
		For Seal Class B, Add	*10.05*	
		For Seal Class A, Add	*21.44*	
		For Work In Restricted Working Space, Add	*20.10*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	83.64	42.31
		For Seal Class B, Add	*10.58*	
		For Seal Class A, Add	*22.56*	
		For Work In Restricted Working Space, Add	*21.15*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	87.82	44.43
		For Seal Class B, Add	*11.11*	
		For Seal Class A, Add	*23.69*	
		For Work In Restricted Working Space, Add	*22.21*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	83.64	42.31
		For Seal Class B, Add	*10.58*	
		For Seal Class A, Add	*22.56*	
		For Work In Restricted Working Space, Add	*21.15*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	87.82	44.43
		For Seal Class B, Add	*11.11*	
		For Seal Class A, Add	*23.69*	
		For Work In Restricted Working Space, Add	*22.21*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.02	46.54
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.02	46.54
		For Seal Class B, Add	*11.64*	
		For Seal Class A, Add	*24.82*	
		For Work In Restricted Working Space, Add	*23.27*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	96.19	48.66
		For Seal Class B, Add	*12.16*	
		For Seal Class A, Add	*25.95*	
		For Work In Restricted Working Space, Add	*24.33*	
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	100.38	50.78
		For Seal Class B, Add	*12.69*	
		For Seal Class A, Add	*27.08*	
		For Work In Restricted Working Space, Add	*25.39*	
23 31 13 13-0133		26 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	19.41	9.81
		For Seal Class B, Add	*2.45*	
		For Seal Class A, Add	*5.24*	
		For Work In Restricted Working Space, Add	*4.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	24.26	12.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.07*	
		For Seal Class A, Add	*6.54*	
		For Work In Restricted Working Space, Add	*6.14*	
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	29.11	14.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.68*	
		For Seal Class A, Add	*7.85*	
		For Work In Restricted Working Space, Add	*7.36*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.96	17.19
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.29*	
		For Seal Class A, Add	*9.16*	
		For Work In Restricted Working Space, Add	*8.59*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.81	19.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.91*	
		For Seal Class A, Add	*10.47*	
		For Work In Restricted Working Space, Add	*9.82*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.65	22.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.52*	
		For Seal Class A, Add	*11.78*	
		For Work In Restricted Working Space, Add	*11.04*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	48.50	24.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.14*	
		For Seal Class A, Add	*13.09*	
		For Work In Restricted Working Space, Add	*12.27*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	29.11	14.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*3.68*	
		For Seal Class A, Add	*7.85*	
		For Work In Restricted Working Space, Add	*7.36*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	33.96	17.19
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.29*	
		For Seal Class A, Add	*9.16*	
		For Work In Restricted Working Space, Add	*8.59*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.81	19.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.91*	
		For Seal Class A, Add	*10.47*	
		For Work In Restricted Working Space, Add	*9.82*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.65	22.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.52*	
		For Seal Class A, Add	*11.78*	
		For Work In Restricted Working Space, Add	*11.04*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	48.50	24.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.14*	
		For Seal Class A, Add	*13.09*	
		For Work In Restricted Working Space, Add	*12.27*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	53.38	26.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.75*	
		For Seal Class A, Add	*14.40*	
		For Work In Restricted Working Space, Add	*13.50*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	38.81	19.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.91*	
		For Seal Class A, Add	*10.47*	
		For Work In Restricted Working Space, Add	*9.82*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	43.65	22.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.52*	
		For Seal Class A, Add	*11.78*	
		For Work In Restricted Working Space, Add	*11.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	48.52	24.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.14*	
		For Seal Class A, Add	*13.09*	
		For Work In Restricted Working Space, Add	*12.27*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	53.38	26.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.75*	
		For Seal Class A, Add	*14.40*	
		For Work In Restricted Working Space, Add	*13.50*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	58.23	29.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.36*	
		For Seal Class A, Add	*15.71*	
		For Work In Restricted Working Space, Add	*14.73*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	63.08	31.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.98*	
		For Seal Class A, Add	*17.02*	
		For Work In Restricted Working Space, Add	*15.95*	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.92	34.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.59*	
		For Seal Class A, Add	*18.33*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	72.78	36.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.20*	
		For Seal Class A, Add	*19.63*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	77.63	39.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.63*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	48.52	24.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.14*	
		For Seal Class A, Add	*13.09*	
		For Work In Restricted Working Space, Add	*12.27*	
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	53.37	26.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.75*	
		For Seal Class A, Add	*14.40*	
		For Work In Restricted Working Space, Add	*13.50*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	58.23	29.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.36*	
		For Seal Class A, Add	*15.71*	
		For Work In Restricted Working Space, Add	*14.73*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	63.08	31.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.98*	
		For Seal Class A, Add	*17.02*	
		For Work In Restricted Working Space, Add	*15.95*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.92	34.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.59*	
		For Seal Class A, Add	*18.33*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	72.78	36.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.20*	
		For Seal Class A, Add	*19.63*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	77.63	39.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	82.48	41.73
		For Seal Class B, Add	*10.43*	
		For Seal Class A, Add	*22.25*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.23	29.45
		For Seal Class B, Add	*7.36*	
		For Seal Class A, Add	*15.71*	
		For Work In Restricted Working Space, Add	*14.73*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	63.08	31.90
		For Seal Class B, Add	*7.98*	
		For Seal Class A, Add	*17.02*	
		For Work In Restricted Working Space, Add	*15.95*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	67.92	34.36
		For Seal Class B, Add	*8.59*	
		For Seal Class A, Add	*18.33*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.78	36.80
		For Seal Class B, Add	*9.20*	
		For Seal Class A, Add	*19.63*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.63	39.26
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.63*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	82.48	41.73
		For Seal Class B, Add	*10.43*	
		For Seal Class A, Add	*22.25*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	87.33	44.18
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.56*	
		For Work In Restricted Working Space, Add	*22.09*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	67.92	34.36
		For Seal Class B, Add	*8.59*	
		For Seal Class A, Add	*18.33*	
		For Work In Restricted Working Space, Add	*17.18*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	72.78	36.80
		For Seal Class B, Add	*9.20*	
		For Seal Class A, Add	*19.63*	
		For Work In Restricted Working Space, Add	*18.41*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	77.63	39.26
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.63*	
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	82.48	41.73
		For Seal Class B, Add	*10.43*	
		For Seal Class A, Add	*22.25*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	87.33	44.18
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.56*	
		For Work In Restricted Working Space, Add	*22.09*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.20	46.63
		For Seal Class B, Add	*11.66*	
		For Seal Class A, Add	*24.87*	
		For Work In Restricted Working Space, Add	*23.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	77.63	39.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.82*	
		For Seal Class A, Add	*20.94*	
		For Work In Restricted Working Space, Add	*19.63*	
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	82.48	41.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.43*	
		For Seal Class A, Add	*22.25*	
		For Work In Restricted Working Space, Add	*20.86*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	87.33	44.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.56*	
		For Work In Restricted Working Space, Add	*22.09*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	92.20	46.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.66*	
		For Seal Class A, Add	*24.87*	
		For Work In Restricted Working Space, Add	*23.32*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	97.05	49.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.27*	
		For Seal Class A, Add	*26.18*	
		For Work In Restricted Working Space, Add	*24.54*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	87.33	44.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.56*	
		For Work In Restricted Working Space, Add	*22.09*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	92.20	46.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.66*	
		For Seal Class A, Add	*24.87*	
		For Work In Restricted Working Space, Add	*23.32*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	97.05	49.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.27*	
		For Seal Class A, Add	*26.18*	
		For Work In Restricted Working Space, Add	*24.54*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	101.88	51.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.88*	
		For Seal Class A, Add	*27.48*	
		For Work In Restricted Working Space, Add	*25.77*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	97.05	49.09
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.27*	
		For Seal Class A, Add	*26.18*	
		For Work In Restricted Working Space, Add	*24.54*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	101.88	51.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.88*	
		For Seal Class A, Add	*27.48*	
		For Work In Restricted Working Space, Add	*25.77*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	106.73	53.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.50*	
		For Seal Class A, Add	*28.79*	
		For Work In Restricted Working Space, Add	*26.99*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	106.73	53.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.50*	
		For Seal Class A, Add	*28.79*	
		For Work In Restricted Working Space, Add	*26.99*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	111.60	56.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.11*	
		For Seal Class A, Add	*30.10*	
		For Work In Restricted Working Space, Add	*28.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	116.45	58.90
		For Seal Class B, Add	*14.73*	
		For Seal Class A, Add	*31.41*	
		For Work In Restricted Working Space, Add	*29.45*	
23 31 13 13-0192		**24 Gauge Galvanized Steel Metal Ductwork Assemblies** *(23 31 13 13-0014)* Note: Seal Class C		
23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	29.29	15.23
		For Seal Class B, Add	*3.81*	
		For Seal Class A, Add	*8.13*	
		For Work In Restricted Working Space, Add	*7.62*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	36.60	19.04
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*10.16*	
		For Work In Restricted Working Space, Add	*9.52*	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	43.91	22.85
		For Seal Class B, Add	*5.71*	
		For Seal Class A, Add	*12.19*	
		For Work In Restricted Working Space, Add	*11.42*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	51.23	26.66
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.22*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.55	30.48
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*16.25*	
		For Work In Restricted Working Space, Add	*15.23*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.88	34.28
		For Seal Class B, Add	*8.57*	
		For Seal Class A, Add	*18.28*	
		For Work In Restricted Working Space, Add	*17.14*	
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.20	38.08
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	43.91	22.85
		For Seal Class B, Add	*5.71*	
		For Seal Class A, Add	*12.19*	
		For Work In Restricted Working Space, Add	*11.42*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	51.23	26.66
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.22*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	58.55	30.48
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*16.25*	
		For Work In Restricted Working Space, Add	*15.23*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	65.88	34.28
		For Seal Class B, Add	*8.57*	
		For Seal Class A, Add	*18.28*	
		For Work In Restricted Working Space, Add	*17.14*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	73.20	38.08
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	80.52	41.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
		For Work In Restricted Working Space, Add	*20.95*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	58.55	30.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*16.25*	
		For Work In Restricted Working Space, Add	*15.23*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	65.88	34.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.57*	
		For Seal Class A, Add	*18.28*	
		For Work In Restricted Working Space, Add	*17.14*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	73.20	38.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	80.52	41.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
		For Work In Restricted Working Space, Add	*20.95*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	87.84	45.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.38*	
		For Work In Restricted Working Space, Add	*22.85*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	95.14	49.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.40*	
		For Work In Restricted Working Space, Add	*24.75*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	102.46	53.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	109.78	57.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	117.11	60.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	73.20	38.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	80.52	41.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
		For Work In Restricted Working Space, Add	*20.95*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	87.84	45.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.38*	
		For Work In Restricted Working Space, Add	*22.85*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	95.14	49.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.40*	
		For Work In Restricted Working Space, Add	*24.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	102.46	53.33
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	109.78	57.13
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	117.11	60.93
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.43	64.75
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.75	68.55
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	139.07	72.36
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	146.38	76.18
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	87.84	45.70
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.38*	
		For Work In Restricted Working Space, Add	*22.85*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	95.14	49.51
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.40*	
		For Work In Restricted Working Space, Add	*24.75*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	102.46	53.33
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	109.78	57.13
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	117.11	60.93
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.43	64.75
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	131.75	68.55
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	139.07	72.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.38	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.69	79.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	102.46	53.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	109.78	57.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	117.11	60.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	124.43	64.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	131.75	68.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	139.07	72.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.38	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.69	79.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.02	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	117.11	60.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	124.43	64.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	131.75	68.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	139.07	72.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.38	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.69	79.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.02	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	168.34	87.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	131.75	68.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	139.07	72.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.38	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	153.69	79.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.02	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	168.34	87.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	175.66	91.41
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	146.38	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	153.69	79.99
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.02	83.78
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	168.34	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	175.66	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.98	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.02	83.78
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	168.34	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	175.66	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.98	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	190.30	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	175.66	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	182.98	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	190.30	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.63	102.84
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	190.30	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	197.63	102.84
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.94	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	204.94	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.25	110.44
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	219.58	114.26
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	

23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	30.13	15.23
		For Seal Class B, Add	*3.81*	
		For Seal Class A, Add	*8.13*	
		For Work In Restricted Working Space, Add	*7.62*	
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	37.65	19.04
		For Seal Class B, Add	*4.76*	
		For Seal Class A, Add	*10.16*	
		For Work In Restricted Working Space, Add	*9.52*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	45.17	22.85
		For Seal Class B, Add	*5.71*	
		For Seal Class A, Add	*12.19*	
		For Work In Restricted Working Space, Add	*11.42*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	52.70	26.66
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.22*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	60.23	30.48
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*16.25*	
		For Work In Restricted Working Space, Add	*15.23*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	67.77	34.28
		For Seal Class B, Add	*8.57*	
		For Seal Class A, Add	*18.28*	
		For Work In Restricted Working Space, Add	*17.14*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.30	38.08
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	45.17	22.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.71*	
		For Seal Class A, Add	*12.19*	
		For Work In Restricted Working Space, Add	*11.42*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	52.70	26.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.66*	
		For Seal Class A, Add	*14.22*	
		For Work In Restricted Working Space, Add	*13.33*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	60.23	30.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*16.25*	
		For Work In Restricted Working Space, Add	*15.23*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.77	34.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.57*	
		For Seal Class A, Add	*18.28*	
		For Work In Restricted Working Space, Add	*17.14*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	75.30	38.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	82.83	41.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
		For Work In Restricted Working Space, Add	*20.95*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	60.23	30.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.62*	
		For Seal Class A, Add	*16.25*	
		For Work In Restricted Working Space, Add	*15.23*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	67.77	34.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.57*	
		For Seal Class A, Add	*18.28*	
		For Work In Restricted Working Space, Add	*17.14*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	75.30	38.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	82.83	41.90
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
		For Work In Restricted Working Space, Add	*20.95*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	90.36	45.70
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.38*	
		For Work In Restricted Working Space, Add	*22.85*	
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	97.87	49.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.40*	
		For Work In Restricted Working Space, Add	*24.75*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	105.41	53.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	112.94	57.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.47	60.93
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	75.30	38.08
		For Seal Class B, Add	*9.52*	
		For Seal Class A, Add	*20.31*	
		For Work In Restricted Working Space, Add	*19.04*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	82.83	41.90
		For Seal Class B, Add	*10.47*	
		For Seal Class A, Add	*22.35*	
		For Work In Restricted Working Space, Add	*20.95*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.36	45.70
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.38*	
		For Work In Restricted Working Space, Add	*22.85*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	97.87	49.51
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.40*	
		For Work In Restricted Working Space, Add	*24.75*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	105.41	53.33
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	112.94	57.13
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.47	60.93
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	128.00	64.75
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	135.53	68.55
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	143.06	72.36
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.59	76.18
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.11	79.99
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	90.36	45.70
		For Seal Class B, Add	*11.43*	
		For Seal Class A, Add	*24.38*	
		For Work In Restricted Working Space, Add	*22.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	97.87	49.51
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.38*	
		For Seal Class A, Add	*26.40*	
		For Work In Restricted Working Space, Add	*24.75*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	105.41	53.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	112.94	57.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	120.47	60.93
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	128.00	64.75
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	135.53	68.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	143.06	72.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.59	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	158.11	79.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	165.64	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.17	87.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	180.70	91.41
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	105.41	53.33
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.33*	
		For Seal Class A, Add	*28.44*	
		For Work In Restricted Working Space, Add	*26.66*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	112.94	57.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.28*	
		For Seal Class A, Add	*30.47*	
		For Work In Restricted Working Space, Add	*28.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.47	60.93
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	128.00	64.75
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	135.53	68.55
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	143.06	72.36
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.59	76.18
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.11	79.99
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	165.64	83.78
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.17	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.70	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	188.23	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	120.47	60.93
		For Seal Class B, Add	*15.23*	
		For Seal Class A, Add	*32.50*	
		For Work In Restricted Working Space, Add	*30.47*	
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	128.00	64.75
		For Seal Class B, Add	*16.19*	
		For Seal Class A, Add	*34.53*	
		For Work In Restricted Working Space, Add	*32.37*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	135.53	68.55
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	143.06	72.36
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.59	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	158.11	79.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	165.64	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.17	87.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	180.70	91.41
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	188.23	95.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	195.77	99.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	203.30	102.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.82	106.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	218.34	110.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	225.88	114.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	135.53	68.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.14*	
		For Seal Class A, Add	*36.56*	
		For Work In Restricted Working Space, Add	*34.28*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	143.06	72.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.09*	
		For Seal Class A, Add	*38.60*	
		For Work In Restricted Working Space, Add	*36.18*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.59	76.18
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.11	79.99
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	165.64	83.78
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.17	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.70	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	188.23	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.77	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	203.30	102.84
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.82	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.34	110.44
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	225.88	114.26
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.41	118.06
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	240.94	121.87
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.59	76.18
		For Seal Class B, Add	*19.04*	
		For Seal Class A, Add	*40.62*	
		For Work In Restricted Working Space, Add	*38.09*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	158.11	79.99
		For Seal Class B, Add	*19.99*	
		For Seal Class A, Add	*42.65*	
		For Work In Restricted Working Space, Add	*39.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	165.64	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.17	87.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	180.70	91.41
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	188.23	95.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	195.77	99.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	203.30	102.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	210.82	106.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	218.34	110.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	225.88	114.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	233.41	118.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	240.94	121.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.47	125.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	256.00	129.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	165.64	83.78
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.95*	
		For Seal Class A, Add	*44.68*	
		For Work In Restricted Working Space, Add	*41.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.17	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.70	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	188.23	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.77	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	203.30	102.84
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.82	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.34	110.44
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	225.88	114.26
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.41	118.06
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	240.94	121.87
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.47	125.69
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	256.00	129.49
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.52	133.29
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	180.70	91.41
		For Seal Class B, Add	*22.85*	
		For Seal Class A, Add	*48.75*	
		For Work In Restricted Working Space, Add	*45.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	188.23	95.21
		For Seal Class B, Add	*23.80*	
		For Seal Class A, Add	*50.78*	
		For Work In Restricted Working Space, Add	*47.61*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.77	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	203.30	102.84
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.82	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.34	110.44
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	225.88	114.26
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.41	118.06
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	240.94	121.87
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.47	125.69
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	256.00	129.49
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.52	133.29
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	271.04	137.11
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.77	99.02
		For Seal Class B, Add	*24.76*	
		For Seal Class A, Add	*52.81*	
		For Work In Restricted Working Space, Add	*49.51*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	203.30	102.84
		For Seal Class B, Add	*25.71*	
		For Seal Class A, Add	*54.84*	
		For Work In Restricted Working Space, Add	*51.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.82	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.34	110.44
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	225.88	114.26
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.41	118.06
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	240.94	121.87
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.47	125.69
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	256.00	129.49
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.52	133.29
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	271.04	137.11
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	278.60	140.92
		For Seal Class B, Add	*35.23*	
		For Seal Class A, Add	*75.16*	
		For Work In Restricted Working Space, Add	*70.46*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	210.82	106.63
		For Seal Class B, Add	*26.66*	
		For Seal Class A, Add	*56.87*	
		For Work In Restricted Working Space, Add	*53.32*	
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	218.34	110.44
		For Seal Class B, Add	*27.61*	
		For Seal Class A, Add	*58.90*	
		For Work In Restricted Working Space, Add	*55.22*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	225.88	114.26
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	233.41	118.06
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	240.94	121.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.47	125.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	256.00	129.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	263.52	133.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	271.04	137.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	278.60	140.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.23*	
		For Seal Class A, Add	*75.16*	
		For Work In Restricted Working Space, Add	*70.46*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	286.12	144.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.18*	
		For Seal Class A, Add	*77.19*	
		For Work In Restricted Working Space, Add	*72.36*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	225.88	114.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.56*	
		For Seal Class A, Add	*60.94*	
		For Work In Restricted Working Space, Add	*57.13*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	233.41	118.06
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.52*	
		For Seal Class A, Add	*62.97*	
		For Work In Restricted Working Space, Add	*59.03*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	240.94	121.87
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.47	125.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	256.00	129.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	263.52	133.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	271.04	137.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	278.60	140.92
		For Seal Class B, Add	*35.23*	
		For Seal Class A, Add	*75.16*	
		For Work In Restricted Working Space, Add	*70.46*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	286.12	144.72
		For Seal Class B, Add	*36.18*	
		For Seal Class A, Add	*77.19*	
		For Work In Restricted Working Space, Add	*72.36*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	293.64	148.54
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	240.94	121.87
		For Seal Class B, Add	*30.47*	
		For Seal Class A, Add	*65.00*	
		For Work In Restricted Working Space, Add	*60.94*	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.47	125.69
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*67.03*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	256.00	129.49
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.52	133.29
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	271.04	137.11
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	278.60	140.92
		For Seal Class B, Add	*35.23*	
		For Seal Class A, Add	*75.16*	
		For Work In Restricted Working Space, Add	*70.46*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	286.12	144.72
		For Seal Class B, Add	*36.18*	
		For Seal Class A, Add	*77.19*	
		For Work In Restricted Working Space, Add	*72.36*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	293.64	148.54
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.17	152.34
		For Seal Class B, Add	*38.09*	
		For Seal Class A, Add	*81.25*	
		For Work In Restricted Working Space, Add	*76.17*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	256.00	129.49
		For Seal Class B, Add	*32.37*	
		For Seal Class A, Add	*69.06*	
		For Work In Restricted Working Space, Add	*64.75*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	263.52	133.29
		For Seal Class B, Add	*33.32*	
		For Seal Class A, Add	*71.09*	
		For Work In Restricted Working Space, Add	*66.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	271.04	137.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	278.60	140.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.23*	
		For Seal Class A, Add	*75.16*	
		For Work In Restricted Working Space, Add	*70.46*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	286.12	144.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.18*	
		For Seal Class A, Add	*77.19*	
		For Work In Restricted Working Space, Add	*72.36*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	293.64	148.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	301.17	152.34
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.09*	
		For Seal Class A, Add	*81.25*	
		For Work In Restricted Working Space, Add	*76.17*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	308.70	156.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	271.04	137.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.28*	
		For Seal Class A, Add	*73.12*	
		For Work In Restricted Working Space, Add	*68.55*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	278.60	140.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.23*	
		For Seal Class A, Add	*75.16*	
		For Work In Restricted Working Space, Add	*70.46*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	286.12	144.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.18*	
		For Seal Class A, Add	*77.19*	
		For Work In Restricted Working Space, Add	*72.36*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	293.64	148.54
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	301.17	152.34
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.09*	
		For Seal Class A, Add	*81.25*	
		For Work In Restricted Working Space, Add	*76.17*	
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	308.70	156.14
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	316.23	159.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.99*	
		For Seal Class A, Add	*85.31*	
		For Work In Restricted Working Space, Add	*79.98*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	286.12	144.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.18*	
		For Seal Class A, Add	*77.19*	
		For Work In Restricted Working Space, Add	*72.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	293.64	148.54
		For Seal Class B, Add	*37.13*	
		For Seal Class A, Add	*79.22*	
		For Work In Restricted Working Space, Add	*74.27*	
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.17	152.34
		For Seal Class B, Add	*38.09*	
		For Seal Class A, Add	*81.25*	
		For Work In Restricted Working Space, Add	*76.17*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	308.70	156.14
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	316.23	159.96
		For Seal Class B, Add	*39.99*	
		For Seal Class A, Add	*85.31*	
		For Work In Restricted Working Space, Add	*79.98*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.77	163.77
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.89*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	331.30	167.57
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
		For Work In Restricted Working Space, Add	*83.79*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.17	152.34
		For Seal Class B, Add	*38.09*	
		For Seal Class A, Add	*81.25*	
		For Work In Restricted Working Space, Add	*76.17*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	308.70	156.14
		For Seal Class B, Add	*39.04*	
		For Seal Class A, Add	*83.28*	
		For Work In Restricted Working Space, Add	*78.08*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	316.23	159.96
		For Seal Class B, Add	*39.99*	
		For Seal Class A, Add	*85.31*	
		For Work In Restricted Working Space, Add	*79.98*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.77	163.77
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.89*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	331.30	167.57
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
		For Work In Restricted Working Space, Add	*83.79*	
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	338.82	171.39
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.40*	
		For Work In Restricted Working Space, Add	*85.69*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	346.34	175.19
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.43*	
		For Work In Restricted Working Space, Add	*87.59*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	353.87	178.99
		For Seal Class B, Add	*44.75*	
		For Seal Class A, Add	*95.47*	
		For Work In Restricted Working Space, Add	*89.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	316.23	159.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.99*	
		For Seal Class A, Add	*85.31*	
		For Work In Restricted Working Space, Add	*79.98*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.77	163.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.94*	
		For Seal Class A, Add	*87.34*	
		For Work In Restricted Working Space, Add	*81.89*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	331.30	167.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
		For Work In Restricted Working Space, Add	*83.79*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	338.82	171.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.40*	
		For Work In Restricted Working Space, Add	*85.69*	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.34	175.19
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.43*	
		For Work In Restricted Working Space, Add	*87.59*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	353.87	178.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*44.75*	
		For Seal Class A, Add	*95.47*	
		For Work In Restricted Working Space, Add	*89.50*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	361.41	182.81
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*45.70*	
		For Seal Class A, Add	*97.50*	
		For Work In Restricted Working Space, Add	*91.40*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	331.30	167.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.90*	
		For Seal Class A, Add	*89.38*	
		For Work In Restricted Working Space, Add	*83.79*	
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	338.82	171.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.40*	
		For Work In Restricted Working Space, Add	*85.69*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.34	175.19
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.43*	
		For Work In Restricted Working Space, Add	*87.59*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	353.87	178.99
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*44.75*	
		For Seal Class A, Add	*95.47*	
		For Work In Restricted Working Space, Add	*89.50*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	361.41	182.81
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*45.70*	
		For Seal Class A, Add	*97.50*	
		For Work In Restricted Working Space, Add	*91.40*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	368.93	186.62
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.53*	
		For Work In Restricted Working Space, Add	*93.31*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.34	175.19
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.43*	
		For Work In Restricted Working Space, Add	*87.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	353.87	178.99
		For Seal Class B, Add	*44.75*	
		For Seal Class A, Add	*95.47*	
		For Work In Restricted Working Space, Add	*89.50*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	361.41	182.81
		For Seal Class B, Add	*45.70*	
		For Seal Class A, Add	*97.50*	
		For Work In Restricted Working Space, Add	*91.40*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	368.93	186.62
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.53*	
		For Work In Restricted Working Space, Add	*93.31*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	376.47	190.43
		For Seal Class B, Add	*47.61*	
		For Seal Class A, Add	*101.56*	
		For Work In Restricted Working Space, Add	*95.21*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	361.41	182.81
		For Seal Class B, Add	*45.70*	
		For Seal Class A, Add	*97.50*	
		For Work In Restricted Working Space, Add	*91.40*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	368.93	186.62
		For Seal Class B, Add	*46.65*	
		For Seal Class A, Add	*99.53*	
		For Work In Restricted Working Space, Add	*93.31*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	376.47	190.43
		For Seal Class B, Add	*47.61*	
		For Seal Class A, Add	*101.56*	
		For Work In Restricted Working Space, Add	*95.21*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	384.00	194.24
		For Seal Class B, Add	*48.56*	
		For Seal Class A, Add	*103.59*	
		For Work In Restricted Working Space, Add	*97.12*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	376.47	190.43
		For Seal Class B, Add	*47.61*	
		For Seal Class A, Add	*101.56*	
		For Work In Restricted Working Space, Add	*95.21*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	384.00	194.24
		For Seal Class B, Add	*48.56*	
		For Seal Class A, Add	*103.59*	
		For Work In Restricted Working Space, Add	*97.12*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	391.53	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	391.53	198.04
		For Seal Class B, Add	*49.51*	
		For Seal Class A, Add	*105.63*	
		For Work In Restricted Working Space, Add	*99.02*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	399.05	201.85
		For Seal Class B, Add	*50.46*	
		For Seal Class A, Add	*107.65*	
		For Work In Restricted Working Space, Add	*100.92*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	406.58	205.66
		For Seal Class B, Add	*51.41*	
		For Seal Class A, Add	*109.68*	
		For Work In Restricted Working Space, Add	*102.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0513		20 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	35.47	17.94
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*4.49*	
		For Seal Class A, Add	*9.57*	
		For Work In Restricted Working Space, Add	*8.97*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	44.35	22.43
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*5.61*	
		For Seal Class A, Add	*11.96*	
		For Work In Restricted Working Space, Add	*11.22*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	53.21	26.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.06	31.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.85*	
		For Seal Class A, Add	*16.75*	
		For Work In Restricted Working Space, Add	*15.70*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	70.95	35.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.14*	
		For Work In Restricted Working Space, Add	*17.94*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	79.82	40.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	88.68	44.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.22*	
		For Seal Class A, Add	*23.93*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	53.21	26.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	62.06	31.39
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*7.85*	
		For Seal Class A, Add	*16.75*	
		For Work In Restricted Working Space, Add	*15.70*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	70.95	35.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.14*	
		For Work In Restricted Working Space, Add	*17.94*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	79.82	40.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	88.68	44.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*11.22*	
		For Seal Class A, Add	*23.93*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	97.56	49.34
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*12.34*	
		For Seal Class A, Add	*26.32*	
		For Work In Restricted Working Space, Add	*24.67*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	70.95	35.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*8.97*	
		For Seal Class A, Add	*19.14*	
		For Work In Restricted Working Space, Add	*17.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	79.82	40.37
		For Seal Class B, Add	*10.09*	
		For Seal Class A, Add	*21.53*	
		For Work In Restricted Working Space, Add	*20.18*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	88.68	44.85
		For Seal Class B, Add	*11.22*	
		For Seal Class A, Add	*23.93*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	97.56	49.34
		For Seal Class B, Add	*12.34*	
		For Seal Class A, Add	*26.32*	
		For Work In Restricted Working Space, Add	*24.67*	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.41	53.83
		For Seal Class B, Add	*13.46*	
		For Seal Class A, Add	*28.71*	
		For Work In Restricted Working Space, Add	*26.92*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	115.28	58.31
		For Seal Class B, Add	*14.58*	
		For Seal Class A, Add	*31.10*	
		For Work In Restricted Working Space, Add	*29.16*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.17	62.80
		For Seal Class B, Add	*15.70*	
		For Seal Class A, Add	*33.49*	
		For Work In Restricted Working Space, Add	*31.40*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.00	67.28
		For Seal Class B, Add	*16.82*	
		For Seal Class A, Add	*35.88*	
		For Work In Restricted Working Space, Add	*33.64*	
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.88	71.77
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	88.68	44.85
		For Seal Class B, Add	*11.22*	
		For Seal Class A, Add	*23.93*	
		For Work In Restricted Working Space, Add	*22.43*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	97.56	49.34
		For Seal Class B, Add	*12.34*	
		For Seal Class A, Add	*26.32*	
		For Work In Restricted Working Space, Add	*24.67*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	106.41	53.83
		For Seal Class B, Add	*13.46*	
		For Seal Class A, Add	*28.71*	
		For Work In Restricted Working Space, Add	*26.92*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	115.28	58.31
		For Seal Class B, Add	*14.58*	
		For Seal Class A, Add	*31.10*	
		For Work In Restricted Working Space, Add	*29.16*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.17	62.80
		For Seal Class B, Add	*15.70*	
		For Seal Class A, Add	*33.49*	
		For Work In Restricted Working Space, Add	*31.40*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.00	67.28
		For Seal Class B, Add	*16.82*	
		For Seal Class A, Add	*35.88*	
		For Work In Restricted Working Space, Add	*33.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.88	71.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.78	76.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.07*	
		For Seal Class A, Add	*40.67*	
		For Work In Restricted Working Space, Add	*38.13*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	159.62	80.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.19*	
		For Seal Class A, Add	*43.06*	
		For Work In Restricted Working Space, Add	*40.37*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	168.50	85.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.31*	
		For Seal Class A, Add	*45.46*	
		For Work In Restricted Working Space, Add	*42.62*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	89.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.43*	
		For Seal Class A, Add	*47.85*	
		For Work In Restricted Working Space, Add	*44.86*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.23	94.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.55*	
		For Seal Class A, Add	*50.24*	
		For Work In Restricted Working Space, Add	*47.10*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	106.41	53.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*13.46*	
		For Seal Class A, Add	*28.71*	
		For Work In Restricted Working Space, Add	*26.92*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	115.28	58.31
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*14.58*	
		For Seal Class A, Add	*31.10*	
		For Work In Restricted Working Space, Add	*29.16*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	124.17	62.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*15.70*	
		For Seal Class A, Add	*33.49*	
		For Work In Restricted Working Space, Add	*31.40*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	133.00	67.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*16.82*	
		For Seal Class A, Add	*35.88*	
		For Work In Restricted Working Space, Add	*33.64*	
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.88	71.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.78	76.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.07*	
		For Seal Class A, Add	*40.67*	
		For Work In Restricted Working Space, Add	*38.13*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	159.62	80.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.19*	
		For Seal Class A, Add	*43.06*	
		For Work In Restricted Working Space, Add	*40.37*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	168.50	85.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.31*	
		For Seal Class A, Add	*45.46*	
		For Work In Restricted Working Space, Add	*42.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	177.35	89.72
		For Seal Class B, Add	*22.43*	
		For Seal Class A, Add	*47.85*	
		For Work In Restricted Working Space, Add	*44.86*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	186.23	94.20
		For Seal Class B, Add	*23.55*	
		For Seal Class A, Add	*50.24*	
		For Work In Restricted Working Space, Add	*47.10*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.10	98.68
		For Seal Class B, Add	*24.67*	
		For Seal Class A, Add	*52.63*	
		For Work In Restricted Working Space, Add	*49.34*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	203.96	103.17
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*55.02*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.85	107.66
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	124.17	62.80
		For Seal Class B, Add	*15.70*	
		For Seal Class A, Add	*33.49*	
		For Work In Restricted Working Space, Add	*31.40*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	133.00	67.28
		For Seal Class B, Add	*16.82*	
		For Seal Class A, Add	*35.88*	
		For Work In Restricted Working Space, Add	*33.64*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	141.88	71.77
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.78	76.26
		For Seal Class B, Add	*19.07*	
		For Seal Class A, Add	*40.67*	
		For Work In Restricted Working Space, Add	*38.13*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	159.62	80.74
		For Seal Class B, Add	*20.19*	
		For Seal Class A, Add	*43.06*	
		For Work In Restricted Working Space, Add	*40.37*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	168.50	85.22
		For Seal Class B, Add	*21.31*	
		For Seal Class A, Add	*45.46*	
		For Work In Restricted Working Space, Add	*42.62*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	177.35	89.72
		For Seal Class B, Add	*22.43*	
		For Seal Class A, Add	*47.85*	
		For Work In Restricted Working Space, Add	*44.86*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	186.23	94.20
		For Seal Class B, Add	*23.55*	
		For Seal Class A, Add	*50.24*	
		For Work In Restricted Working Space, Add	*47.10*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.10	98.68
		For Seal Class B, Add	*24.67*	
		For Seal Class A, Add	*52.63*	
		For Work In Restricted Working Space, Add	*49.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	203.96	103.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*55.02*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	212.85	107.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	221.70	112.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.04*	
		For Seal Class A, Add	*59.81*	
		For Work In Restricted Working Space, Add	*56.07*	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	141.88	71.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.94*	
		For Seal Class A, Add	*38.28*	
		For Work In Restricted Working Space, Add	*35.88*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.78	76.26
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*19.07*	
		For Seal Class A, Add	*40.67*	
		For Work In Restricted Working Space, Add	*38.13*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	159.62	80.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.19*	
		For Seal Class A, Add	*43.06*	
		For Work In Restricted Working Space, Add	*40.37*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	168.50	85.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.31*	
		For Seal Class A, Add	*45.46*	
		For Work In Restricted Working Space, Add	*42.62*	
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	89.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.43*	
		For Seal Class A, Add	*47.85*	
		For Work In Restricted Working Space, Add	*44.86*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.23	94.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.55*	
		For Seal Class A, Add	*50.24*	
		For Work In Restricted Working Space, Add	*47.10*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	195.10	98.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.67*	
		For Seal Class A, Add	*52.63*	
		For Work In Restricted Working Space, Add	*49.34*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	203.96	103.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*55.02*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	212.85	107.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	221.70	112.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.04*	
		For Seal Class A, Add	*59.81*	
		For Work In Restricted Working Space, Add	*56.07*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.57	116.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.16*	
		For Seal Class A, Add	*62.20*	
		For Work In Restricted Working Space, Add	*58.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	239.44	121.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*64.59*	
		For Work In Restricted Working Space, Add	*60.56*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.30	125.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.17	130.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.06	134.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	159.62	80.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.19*	
		For Seal Class A, Add	*43.06*	
		For Work In Restricted Working Space, Add	*40.37*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	168.50	85.22
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.31*	
		For Seal Class A, Add	*45.46*	
		For Work In Restricted Working Space, Add	*42.62*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	89.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.43*	
		For Seal Class A, Add	*47.85*	
		For Work In Restricted Working Space, Add	*44.86*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.23	94.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.55*	
		For Seal Class A, Add	*50.24*	
		For Work In Restricted Working Space, Add	*47.10*	
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	195.10	98.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.67*	
		For Seal Class A, Add	*52.63*	
		For Work In Restricted Working Space, Add	*49.34*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	203.96	103.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*55.02*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	212.85	107.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	221.70	112.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.04*	
		For Seal Class A, Add	*59.81*	
		For Work In Restricted Working Space, Add	*56.07*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.57	116.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.16*	
		For Seal Class A, Add	*62.20*	
		For Work In Restricted Working Space, Add	*58.31*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	239.44	121.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*64.59*	
		For Work In Restricted Working Space, Add	*60.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.30	125.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.17	130.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.06	134.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	274.91	139.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	283.79	143.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	177.35	89.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*22.43*	
		For Seal Class A, Add	*47.85*	
		For Work In Restricted Working Space, Add	*44.86*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	186.23	94.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.55*	
		For Seal Class A, Add	*50.24*	
		For Work In Restricted Working Space, Add	*47.10*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	195.10	98.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.67*	
		For Seal Class A, Add	*52.63*	
		For Work In Restricted Working Space, Add	*49.34*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	203.96	103.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*55.02*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	212.85	107.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	221.70	112.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*28.04*	
		For Seal Class A, Add	*59.81*	
		For Work In Restricted Working Space, Add	*56.07*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.57	116.63
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.16*	
		For Seal Class A, Add	*62.20*	
		For Work In Restricted Working Space, Add	*58.31*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	239.44	121.11
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*64.59*	
		For Work In Restricted Working Space, Add	*60.56*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.30	125.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.17	130.08
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.06	134.57
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	274.91	139.05
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.79	143.55
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	292.64	148.02
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	195.10	98.68
		For Seal Class B, Add	*24.67*	
		For Seal Class A, Add	*52.63*	
		For Work In Restricted Working Space, Add	*49.34*	
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	203.96	103.17
		For Seal Class B, Add	*25.79*	
		For Seal Class A, Add	*55.02*	
		For Work In Restricted Working Space, Add	*51.59*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.85	107.66
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	221.70	112.13
		For Seal Class B, Add	*28.04*	
		For Seal Class A, Add	*59.81*	
		For Work In Restricted Working Space, Add	*56.07*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.57	116.63
		For Seal Class B, Add	*29.16*	
		For Seal Class A, Add	*62.20*	
		For Work In Restricted Working Space, Add	*58.31*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	239.44	121.11
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*64.59*	
		For Work In Restricted Working Space, Add	*60.56*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.30	125.60
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.17	130.08
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.06	134.57
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	274.91	139.05
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.79	143.55
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	292.64	148.02
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.40	157.00
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	212.85	107.66
		For Seal Class B, Add	*26.92*	
		For Seal Class A, Add	*57.42*	
		For Work In Restricted Working Space, Add	*53.83*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	221.70	112.13
		For Seal Class B, Add	*28.04*	
		For Seal Class A, Add	*59.81*	
		For Work In Restricted Working Space, Add	*56.07*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.57	116.63
		For Seal Class B, Add	*29.16*	
		For Seal Class A, Add	*62.20*	
		For Work In Restricted Working Space, Add	*58.31*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	239.44	121.11
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*64.59*	
		For Work In Restricted Working Space, Add	*60.56*	
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.30	125.60
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.17	130.08
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.06	134.57
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	274.91	139.05
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.79	143.55
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	292.64	148.02
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.40	157.00
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.23	161.49
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.57	116.63
		For Seal Class B, Add	*29.16*	
		For Seal Class A, Add	*62.20*	
		For Work In Restricted Working Space, Add	*58.31*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	239.44	121.11
		For Seal Class B, Add	*30.28*	
		For Seal Class A, Add	*64.59*	
		For Work In Restricted Working Space, Add	*60.56*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	248.30	125.60
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	257.17	130.08
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.06	134.57
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	274.91	139.05
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.79	143.55
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	292.64	148.02
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.40	157.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	319.23	161.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	328.13	165.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.49*	
		For Seal Class A, Add	*88.52*	
		For Work In Restricted Working Space, Add	*82.99*	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	248.30	125.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*31.40*	
		For Seal Class A, Add	*66.99*	
		For Work In Restricted Working Space, Add	*62.80*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	257.17	130.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.52*	
		For Seal Class A, Add	*69.38*	
		For Work In Restricted Working Space, Add	*65.04*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	266.06	134.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	274.91	139.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	283.79	143.55
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	292.64	148.02
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	301.52	152.52
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	310.40	157.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	319.23	161.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	328.13	165.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*41.49*	
		For Seal Class A, Add	*88.52*	
		For Work In Restricted Working Space, Add	*82.99*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	336.97	170.46
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.61*	
		For Seal Class A, Add	*90.91*	
		For Work In Restricted Working Space, Add	*85.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	266.06	134.57
		For Seal Class B, Add	*33.64*	
		For Seal Class A, Add	*71.77*	
		For Work In Restricted Working Space, Add	*67.29*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	274.91	139.05
		For Seal Class B, Add	*34.76*	
		For Seal Class A, Add	*74.16*	
		For Work In Restricted Working Space, Add	*69.53*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.79	143.55
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	292.64	148.02
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.40	157.00
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.23	161.49
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	328.13	165.97
		For Seal Class B, Add	*41.49*	
		For Seal Class A, Add	*88.52*	
		For Work In Restricted Working Space, Add	*82.99*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.97	170.46
		For Seal Class B, Add	*42.61*	
		For Seal Class A, Add	*90.91*	
		For Work In Restricted Working Space, Add	*85.23*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	345.85	174.94
		For Seal Class B, Add	*43.74*	
		For Seal Class A, Add	*93.30*	
		For Work In Restricted Working Space, Add	*87.47*	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	283.79	143.55
		For Seal Class B, Add	*35.89*	
		For Seal Class A, Add	*76.56*	
		For Work In Restricted Working Space, Add	*71.77*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	292.64	148.02
		For Seal Class B, Add	*37.01*	
		For Seal Class A, Add	*78.95*	
		For Work In Restricted Working Space, Add	*74.02*	
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.40	157.00
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.23	161.49
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	328.13	165.97
		For Seal Class B, Add	*41.49*	
		For Seal Class A, Add	*88.52*	
		For Work In Restricted Working Space, Add	*82.99*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.97	170.46
		For Seal Class B, Add	*42.61*	
		For Seal Class A, Add	*90.91*	
		For Work In Restricted Working Space, Add	*85.23*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	345.85	174.94
		For Seal Class B, Add	*43.74*	
		For Seal Class A, Add	*93.30*	
		For Work In Restricted Working Space, Add	*87.47*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.73	179.44
		For Seal Class B, Add	*44.86*	
		For Seal Class A, Add	*95.70*	
		For Work In Restricted Working Space, Add	*89.72*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	301.52	152.52
		For Seal Class B, Add	*38.13*	
		For Seal Class A, Add	*81.34*	
		For Work In Restricted Working Space, Add	*76.26*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	310.40	157.00
		For Seal Class B, Add	*39.25*	
		For Seal Class A, Add	*83.73*	
		For Work In Restricted Working Space, Add	*78.50*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.23	161.49
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	328.13	165.97
		For Seal Class B, Add	*41.49*	
		For Seal Class A, Add	*88.52*	
		For Work In Restricted Working Space, Add	*82.99*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.97	170.46
		For Seal Class B, Add	*42.61*	
		For Seal Class A, Add	*90.91*	
		For Work In Restricted Working Space, Add	*85.23*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	345.85	174.94
		For Seal Class B, Add	*43.74*	
		For Seal Class A, Add	*93.30*	
		For Work In Restricted Working Space, Add	*87.47*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.73	179.44
		For Seal Class B, Add	*44.86*	
		For Seal Class A, Add	*95.70*	
		For Work In Restricted Working Space, Add	*89.72*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	363.58	183.91
		For Seal Class B, Add	*45.98*	
		For Seal Class A, Add	*98.09*	
		For Work In Restricted Working Space, Add	*91.96*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	319.23	161.49
		For Seal Class B, Add	*40.37*	
		For Seal Class A, Add	*86.12*	
		For Work In Restricted Working Space, Add	*80.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	328.13	165.97
		For Seal Class B, Add	*41.49*	
		For Seal Class A, Add	*88.52*	
		For Work In Restricted Working Space, Add	*82.99*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.97	170.46
		For Seal Class B, Add	*42.61*	
		For Seal Class A, Add	*90.91*	
		For Work In Restricted Working Space, Add	*85.23*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	345.85	174.94
		For Seal Class B, Add	*43.74*	
		For Seal Class A, Add	*93.30*	
		For Work In Restricted Working Space, Add	*87.47*	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.73	179.44
		For Seal Class B, Add	*44.86*	
		For Seal Class A, Add	*95.70*	
		For Work In Restricted Working Space, Add	*89.72*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	363.58	183.91
		For Seal Class B, Add	*45.98*	
		For Seal Class A, Add	*98.09*	
		For Work In Restricted Working Space, Add	*91.96*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.46	188.40
		For Seal Class B, Add	*47.10*	
		For Seal Class A, Add	*100.48*	
		For Work In Restricted Working Space, Add	*94.20*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	336.97	170.46
		For Seal Class B, Add	*42.61*	
		For Seal Class A, Add	*90.91*	
		For Work In Restricted Working Space, Add	*85.23*	
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	345.85	174.94
		For Seal Class B, Add	*43.74*	
		For Seal Class A, Add	*93.30*	
		For Work In Restricted Working Space, Add	*87.47*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.73	179.44
		For Seal Class B, Add	*44.86*	
		For Seal Class A, Add	*95.70*	
		For Work In Restricted Working Space, Add	*89.72*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	363.58	183.91
		For Seal Class B, Add	*45.98*	
		For Seal Class A, Add	*98.09*	
		For Work In Restricted Working Space, Add	*91.96*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	372.46	188.40
		For Seal Class B, Add	*47.10*	
		For Seal Class A, Add	*100.48*	
		For Work In Restricted Working Space, Add	*94.20*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	381.34	192.89
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	390.20	197.38
		For Seal Class B, Add	*49.34*	
		For Seal Class A, Add	*105.27*	
		For Work In Restricted Working Space, Add	*98.69*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	354.73	179.44
		For Seal Class B, Add	*44.86*	
		For Seal Class A, Add	*95.70*	
		For Work In Restricted Working Space, Add	*89.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	363.58	183.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*45.98*	
		For Seal Class A, Add	*98.09*	
		For Work In Restricted Working Space, Add	*91.96*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.46	188.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.10*	
		For Seal Class A, Add	*100.48*	
		For Work In Restricted Working Space, Add	*94.20*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.34	192.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	390.20	197.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.34*	
		For Seal Class A, Add	*105.27*	
		For Work In Restricted Working Space, Add	*98.69*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	399.07	201.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.46*	
		For Seal Class A, Add	*107.66*	
		For Work In Restricted Working Space, Add	*100.93*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	407.92	206.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.59*	
		For Seal Class A, Add	*110.05*	
		For Work In Restricted Working Space, Add	*103.17*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	416.79	210.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.44*	
		For Work In Restricted Working Space, Add	*105.41*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	425.67	215.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
		For Work In Restricted Working Space, Add	*107.66*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	372.46	188.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*47.10*	
		For Seal Class A, Add	*100.48*	
		For Work In Restricted Working Space, Add	*94.20*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.34	192.89
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.22*	
		For Seal Class A, Add	*102.87*	
		For Work In Restricted Working Space, Add	*96.44*	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	390.20	197.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.34*	
		For Seal Class A, Add	*105.27*	
		For Work In Restricted Working Space, Add	*98.69*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	399.07	201.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.46*	
		For Seal Class A, Add	*107.66*	
		For Work In Restricted Working Space, Add	*100.93*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	407.92	206.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.59*	
		For Seal Class A, Add	*110.05*	
		For Work In Restricted Working Space, Add	*103.17*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	416.79	210.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.44*	
		For Work In Restricted Working Space, Add	*105.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	425.67	215.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
		For Work In Restricted Working Space, Add	*107.66*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.53	219.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	390.20	197.38
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.34*	
		For Seal Class A, Add	*105.27*	
		For Work In Restricted Working Space, Add	*98.69*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	399.07	201.85
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*50.46*	
		For Seal Class A, Add	*107.66*	
		For Work In Restricted Working Space, Add	*100.93*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	407.92	206.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.59*	
		For Seal Class A, Add	*110.05*	
		For Work In Restricted Working Space, Add	*103.17*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	416.79	210.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.44*	
		For Work In Restricted Working Space, Add	*105.41*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	425.67	215.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
		For Work In Restricted Working Space, Add	*107.66*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.53	219.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	443.41	224.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.07*	
		For Seal Class A, Add	*119.62*	
		For Work In Restricted Working Space, Add	*112.14*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	407.92	206.35
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.59*	
		For Seal Class A, Add	*110.05*	
		For Work In Restricted Working Space, Add	*103.17*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	416.79	210.83
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.71*	
		For Seal Class A, Add	*112.44*	
		For Work In Restricted Working Space, Add	*105.41*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	425.67	215.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
		For Work In Restricted Working Space, Add	*107.66*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	434.53	219.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	443.41	224.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.07*	
		For Seal Class A, Add	*119.62*	
		For Work In Restricted Working Space, Add	*112.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	459.76	233.27
		For Seal Class B, Add	*58.31*	
		For Seal Class A, Add	*124.40*	
		For Work In Restricted Working Space, Add	*116.63*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	468.62	237.74
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.87*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	425.67	215.32
		For Seal Class B, Add	*53.83*	
		For Seal Class A, Add	*114.83*	
		For Work In Restricted Working Space, Add	*107.66*	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	434.53	219.80
		For Seal Class B, Add	*54.95*	
		For Seal Class A, Add	*117.23*	
		For Work In Restricted Working Space, Add	*109.90*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	443.41	224.29
		For Seal Class B, Add	*56.07*	
		For Seal Class A, Add	*119.62*	
		For Work In Restricted Working Space, Add	*112.14*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	452.29	228.77
		For Seal Class B, Add	*57.19*	
		For Seal Class A, Add	*122.01*	
		For Work In Restricted Working Space, Add	*114.39*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	461.14	233.27
		For Seal Class B, Add	*58.31*	
		For Seal Class A, Add	*124.40*	
		For Work In Restricted Working Space, Add	*116.63*	
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	470.02	237.74
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.87*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	478.86	242.23
		For Seal Class B, Add	*60.56*	
		For Seal Class A, Add	*129.19*	
		For Work In Restricted Working Space, Add	*121.11*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	443.41	224.29
		For Seal Class B, Add	*56.07*	
		For Seal Class A, Add	*119.62*	
		For Work In Restricted Working Space, Add	*112.14*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	452.29	228.77
		For Seal Class B, Add	*57.19*	
		For Seal Class A, Add	*122.01*	
		For Work In Restricted Working Space, Add	*114.39*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	461.14	233.27
		For Seal Class B, Add	*58.31*	
		For Seal Class A, Add	*124.40*	
		For Work In Restricted Working Space, Add	*116.63*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	470.02	237.74
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.87*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	478.86	242.23
		For Seal Class B, Add	*60.56*	
		For Seal Class A, Add	*129.19*	
		For Work In Restricted Working Space, Add	*121.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	487.75	246.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.68*	
		For Seal Class A, Add	*131.58*	
		For Work In Restricted Working Space, Add	*123.36*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	461.14	233.27
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.31*	
		For Seal Class A, Add	*124.40*	
		For Work In Restricted Working Space, Add	*116.63*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	470.02	237.74
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.87*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	478.86	242.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*60.56*	
		For Seal Class A, Add	*129.19*	
		For Work In Restricted Working Space, Add	*121.11*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	487.75	246.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.68*	
		For Seal Class A, Add	*131.58*	
		For Work In Restricted Working Space, Add	*123.36*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.64	251.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.80*	
		For Seal Class A, Add	*133.98*	
		For Work In Restricted Working Space, Add	*125.60*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	478.86	242.23
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*60.56*	
		For Seal Class A, Add	*129.19*	
		For Work In Restricted Working Space, Add	*121.11*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	487.75	246.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.68*	
		For Seal Class A, Add	*131.58*	
		For Work In Restricted Working Space, Add	*123.36*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.64	251.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.80*	
		For Seal Class A, Add	*133.98*	
		For Work In Restricted Working Space, Add	*125.60*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	505.47	255.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*63.92*	
		For Seal Class A, Add	*136.36*	
		For Work In Restricted Working Space, Add	*127.84*	
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	514.36	260.17
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*65.04*	
		For Seal Class A, Add	*138.76*	
		For Work In Restricted Working Space, Add	*130.09*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	523.20	264.66
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*66.16*	
		For Seal Class A, Add	*141.15*	
		For Work In Restricted Working Space, Add	*132.33*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.64	251.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.80*	
		For Seal Class A, Add	*133.98*	
		For Work In Restricted Working Space, Add	*125.60*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	505.47	255.68
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*63.92*	
		For Seal Class A, Add	*136.36*	
		For Work In Restricted Working Space, Add	*127.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.36	260.17
		For Seal Class B, Add	*65.04*	
		For Seal Class A, Add	*138.76*	
		For Work In Restricted Working Space, Add	*130.09*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	523.20	264.66
		For Seal Class B, Add	*66.16*	
		For Seal Class A, Add	*141.15*	
		For Work In Restricted Working Space, Add	*132.33*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	532.08	269.13
		For Seal Class B, Add	*67.29*	
		For Seal Class A, Add	*143.54*	
		For Work In Restricted Working Space, Add	*134.57*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	514.36	260.17
		For Seal Class B, Add	*65.04*	
		For Seal Class A, Add	*138.76*	
		For Work In Restricted Working Space, Add	*130.09*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	523.20	264.66
		For Seal Class B, Add	*66.16*	
		For Seal Class A, Add	*141.15*	
		For Work In Restricted Working Space, Add	*132.33*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	532.08	269.13
		For Seal Class B, Add	*67.29*	
		For Seal Class A, Add	*143.54*	
		For Work In Restricted Working Space, Add	*134.57*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	540.96	273.63
		For Seal Class B, Add	*68.41*	
		For Seal Class A, Add	*145.93*	
		For Work In Restricted Working Space, Add	*136.81*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	549.81	278.11
		For Seal Class B, Add	*69.53*	
		For Seal Class A, Add	*148.33*	
		For Work In Restricted Working Space, Add	*139.06*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	532.08	269.13
		For Seal Class B, Add	*67.29*	
		For Seal Class A, Add	*143.54*	
		For Work In Restricted Working Space, Add	*134.57*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	540.96	273.63
		For Seal Class B, Add	*68.41*	
		For Seal Class A, Add	*145.93*	
		For Work In Restricted Working Space, Add	*136.81*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	549.81	278.11
		For Seal Class B, Add	*69.53*	
		For Seal Class A, Add	*148.33*	
		For Work In Restricted Working Space, Add	*139.06*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	558.70	282.60
		For Seal Class B, Add	*70.65*	
		For Seal Class A, Add	*150.72*	
		For Work In Restricted Working Space, Add	*141.30*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	567.58	287.08
		For Seal Class B, Add	*71.77*	
		For Seal Class A, Add	*153.11*	
		For Work In Restricted Working Space, Add	*143.54*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	549.81	278.11
		For Seal Class B, Add	*69.53*	
		For Seal Class A, Add	*148.33*	
		For Work In Restricted Working Space, Add	*139.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	558.70	282.60
		For Seal Class B, Add	*70.65*	
		For Seal Class A, Add	*150.72*	
		For Work In Restricted Working Space, Add	*141.30*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	567.58	287.08
		For Seal Class B, Add	*71.77*	
		For Seal Class A, Add	*153.11*	
		For Work In Restricted Working Space, Add	*143.54*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	576.43	291.57
		For Seal Class B, Add	*72.89*	
		For Seal Class A, Add	*155.51*	
		For Work In Restricted Working Space, Add	*145.79*	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	585.30	296.05
		For Seal Class B, Add	*74.01*	
		For Seal Class A, Add	*157.90*	
		For Work In Restricted Working Space, Add	*148.03*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	567.58	287.08
		For Seal Class B, Add	*71.77*	
		For Seal Class A, Add	*153.11*	
		For Work In Restricted Working Space, Add	*143.54*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	576.43	291.57
		For Seal Class B, Add	*72.89*	
		For Seal Class A, Add	*155.51*	
		For Work In Restricted Working Space, Add	*145.79*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	585.30	296.05
		For Seal Class B, Add	*74.01*	
		For Seal Class A, Add	*157.90*	
		For Work In Restricted Working Space, Add	*148.03*	
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	594.15	300.55
		For Seal Class B, Add	*75.14*	
		For Seal Class A, Add	*160.29*	
		For Work In Restricted Working Space, Add	*150.27*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	585.30	296.05
		For Seal Class B, Add	*74.01*	
		For Seal Class A, Add	*157.90*	
		For Work In Restricted Working Space, Add	*148.03*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	594.15	300.55
		For Seal Class B, Add	*75.14*	
		For Seal Class A, Add	*160.29*	
		For Work In Restricted Working Space, Add	*150.27*	
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	603.02	305.02
		For Seal Class B, Add	*76.26*	
		For Seal Class A, Add	*162.68*	
		For Work In Restricted Working Space, Add	*152.51*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	611.90	309.51
		For Seal Class B, Add	*77.38*	
		For Seal Class A, Add	*165.07*	
		For Work In Restricted Working Space, Add	*154.76*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	603.02	305.02
		For Seal Class B, Add	*76.26*	
		For Seal Class A, Add	*162.68*	
		For Work In Restricted Working Space, Add	*152.51*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	611.90	309.51
		For Seal Class B, Add	*77.38*	
		For Seal Class A, Add	*165.07*	
		For Work In Restricted Working Space, Add	*154.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	620.76	314.00
		For Seal Class B, Add	*78.50*	
		For Seal Class A, Add	*167.47*	
		For Work In Restricted Working Space, Add	*157.00*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	629.64	318.49
		For Seal Class B, Add	*79.62*	
		For Seal Class A, Add	*169.86*	
		For Work In Restricted Working Space, Add	*159.24*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	620.76	314.00
		For Seal Class B, Add	*78.50*	
		For Seal Class A, Add	*167.47*	
		For Work In Restricted Working Space, Add	*157.00*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	629.64	318.49
		For Seal Class B, Add	*79.62*	
		For Seal Class A, Add	*169.86*	
		For Work In Restricted Working Space, Add	*159.24*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	638.52	322.96
		For Seal Class B, Add	*80.74*	
		For Seal Class A, Add	*172.25*	
		For Work In Restricted Working Space, Add	*161.49*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	647.37	327.46
		For Seal Class B, Add	*81.86*	
		For Seal Class A, Add	*174.64*	
		For Work In Restricted Working Space, Add	*163.73*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	656.25	331.94
		For Seal Class B, Add	*82.99*	
		For Seal Class A, Add	*177.04*	
		For Work In Restricted Working Space, Add	*165.97*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	665.10	336.43
		For Seal Class B, Add	*84.11*	
		For Seal Class A, Add	*179.43*	
		For Work In Restricted Working Space, Add	*168.21*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	673.99	340.91
		For Seal Class B, Add	*85.23*	
		For Seal Class A, Add	*181.82*	
		For Work In Restricted Working Space, Add	*170.46*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	682.85	345.40
		For Seal Class B, Add	*86.35*	
		For Seal Class A, Add	*184.21*	
		For Work In Restricted Working Space, Add	*172.70*	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	638.52	322.96
		For Seal Class B, Add	*80.74*	
		For Seal Class A, Add	*172.25*	
		For Work In Restricted Working Space, Add	*161.49*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	647.37	327.46
		For Seal Class B, Add	*81.86*	
		For Seal Class A, Add	*174.64*	
		For Work In Restricted Working Space, Add	*163.73*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	656.25	331.94
		For Seal Class B, Add	*82.99*	
		For Seal Class A, Add	*177.04*	
		For Work In Restricted Working Space, Add	*165.97*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	665.10	336.43
		For Seal Class B, Add	*84.11*	
		For Seal Class A, Add	*179.43*	
		For Work In Restricted Working Space, Add	*168.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	673.99	340.91
		For Seal Class B, Add	*85.23*	
		For Seal Class A, Add	*181.82*	
		For Work In Restricted Working Space, Add	*170.46*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	682.85	345.40
		For Seal Class B, Add	*86.35*	
		For Seal Class A, Add	*184.21*	
		For Work In Restricted Working Space, Add	*172.70*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	691.71	349.88
		For Seal Class B, Add	*87.47*	
		For Seal Class A, Add	*186.60*	
		For Work In Restricted Working Space, Add	*174.94*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	656.25	331.94
		For Seal Class B, Add	*82.99*	
		For Seal Class A, Add	*177.04*	
		For Work In Restricted Working Space, Add	*165.97*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	665.10	336.43
		For Seal Class B, Add	*84.11*	
		For Seal Class A, Add	*179.43*	
		For Work In Restricted Working Space, Add	*168.21*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	673.99	340.91
		For Seal Class B, Add	*85.23*	
		For Seal Class A, Add	*181.82*	
		For Work In Restricted Working Space, Add	*170.46*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	682.85	345.40
		For Seal Class B, Add	*86.35*	
		For Seal Class A, Add	*184.21*	
		For Work In Restricted Working Space, Add	*172.70*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	691.71	349.88
		For Seal Class B, Add	*87.47*	
		For Seal Class A, Add	*186.60*	
		For Work In Restricted Working Space, Add	*174.94*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	700.59	354.38
		For Seal Class B, Add	*88.59*	
		For Seal Class A, Add	*189.00*	
		For Work In Restricted Working Space, Add	*177.19*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	673.99	340.91
		For Seal Class B, Add	*85.23*	
		For Seal Class A, Add	*181.82*	
		For Work In Restricted Working Space, Add	*170.46*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	682.85	345.40
		For Seal Class B, Add	*86.35*	
		For Seal Class A, Add	*184.21*	
		For Work In Restricted Working Space, Add	*172.70*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	691.71	349.88
		For Seal Class B, Add	*87.47*	
		For Seal Class A, Add	*186.60*	
		For Work In Restricted Working Space, Add	*174.94*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	700.59	354.38
		For Seal Class B, Add	*88.59*	
		For Seal Class A, Add	*189.00*	
		For Work In Restricted Working Space, Add	*177.19*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	709.43	358.85
		For Seal Class B, Add	*89.71*	
		For Seal Class A, Add	*191.39*	
		For Work In Restricted Working Space, Add	*179.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	691.71	349.88
		For Seal Class B, Add	*87.47*	
		For Seal Class A, Add	*186.60*	
		For Work In Restricted Working Space, Add	*174.94*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	700.59	354.38
		For Seal Class B, Add	*88.59*	
		For Seal Class A, Add	*189.00*	
		For Work In Restricted Working Space, Add	*177.19*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	709.43	358.85
		For Seal Class B, Add	*89.71*	
		For Seal Class A, Add	*191.39*	
		For Work In Restricted Working Space, Add	*179.43*	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	718.31	363.34
		For Seal Class B, Add	*90.84*	
		For Seal Class A, Add	*193.78*	
		For Work In Restricted Working Space, Add	*181.67*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	709.43	358.85
		For Seal Class B, Add	*89.71*	
		For Seal Class A, Add	*191.39*	
		For Work In Restricted Working Space, Add	*179.43*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	718.31	363.34
		For Seal Class B, Add	*90.84*	
		For Seal Class A, Add	*193.78*	
		For Work In Restricted Working Space, Add	*181.67*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	727.19	367.83
		For Seal Class B, Add	*91.96*	
		For Seal Class A, Add	*196.17*	
		For Work In Restricted Working Space, Add	*183.91*	
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	727.19	367.83
		For Seal Class B, Add	*91.96*	
		For Seal Class A, Add	*196.17*	
		For Work In Restricted Working Space, Add	*183.91*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	736.05	372.32
		For Seal Class B, Add	*93.08*	
		For Seal Class A, Add	*198.57*	
		For Work In Restricted Working Space, Add	*186.16*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	744.92	376.79
		For Seal Class B, Add	*94.20*	
		For Seal Class A, Add	*200.96*	
		For Work In Restricted Working Space, Add	*188.40*	

23 31 13 13-0832 18 Gauge Galvanized Steel Metal Ductwork Assemblies *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	46.19	23.35
		For Seal Class B, Add	*5.84*	
		For Seal Class A, Add	*12.46*	
		For Work In Restricted Working Space, Add	*11.68*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	57.73	29.20
		For Seal Class B, Add	*7.30*	
		For Seal Class A, Add	*15.57*	
		For Work In Restricted Working Space, Add	*14.60*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	69.27	35.04
		For Seal Class B, Add	*8.76*	
		For Seal Class A, Add	*18.69*	
		For Work In Restricted Working Space, Add	*17.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.81	40.88
		For Seal Class B, Add	*10.22*	
		For Seal Class A, Add	*21.80*	
		For Work In Restricted Working Space, Add	*20.44*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.38	46.73
		For Seal Class B, Add	*11.68*	
		For Seal Class A, Add	*24.92*	
		For Work In Restricted Working Space, Add	*23.36*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.91	52.56
		For Seal Class B, Add	*13.14*	
		For Seal Class A, Add	*28.03*	
		For Work In Restricted Working Space, Add	*26.28*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	115.46	58.40
		For Seal Class B, Add	*14.60*	
		For Seal Class A, Add	*31.15*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	69.27	35.04
		For Seal Class B, Add	*8.76*	
		For Seal Class A, Add	*18.69*	
		For Work In Restricted Working Space, Add	*17.52*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	80.81	40.88
		For Seal Class B, Add	*10.22*	
		For Seal Class A, Add	*21.80*	
		For Work In Restricted Working Space, Add	*20.44*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.38	46.73
		For Seal Class B, Add	*11.68*	
		For Seal Class A, Add	*24.92*	
		For Work In Restricted Working Space, Add	*23.36*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.91	52.56
		For Seal Class B, Add	*13.14*	
		For Seal Class A, Add	*28.03*	
		For Work In Restricted Working Space, Add	*26.28*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	115.46	58.40
		For Seal Class B, Add	*14.60*	
		For Seal Class A, Add	*31.15*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	127.01	64.24
		For Seal Class B, Add	*16.06*	
		For Seal Class A, Add	*34.27*	
		For Work In Restricted Working Space, Add	*32.12*	
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	92.38	46.73
		For Seal Class B, Add	*11.68*	
		For Seal Class A, Add	*24.92*	
		For Work In Restricted Working Space, Add	*23.36*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	103.91	52.56
		For Seal Class B, Add	*13.14*	
		For Seal Class A, Add	*28.03*	
		For Work In Restricted Working Space, Add	*26.28*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	115.46	58.40
		For Seal Class B, Add	*14.60*	
		For Seal Class A, Add	*31.15*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	127.01	64.24
		For Seal Class B, Add	*16.06*	
		For Seal Class A, Add	*34.27*	
		For Work In Restricted Working Space, Add	*32.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	70.08
		For Seal Class B, Add	*17.52*	
		For Seal Class A, Add	*37.38*	
		For Work In Restricted Working Space, Add	*35.04*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.10	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.64	81.76
		For Seal Class B, Add	*20.44*	
		For Seal Class A, Add	*43.60*	
		For Work In Restricted Working Space, Add	*40.88*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.18	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	93.44
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.72*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	115.46	58.40
		For Seal Class B, Add	*14.60*	
		For Seal Class A, Add	*31.15*	
		For Work In Restricted Working Space, Add	*29.20*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	127.01	64.24
		For Seal Class B, Add	*16.06*	
		For Seal Class A, Add	*34.27*	
		For Work In Restricted Working Space, Add	*32.12*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	138.53	70.08
		For Seal Class B, Add	*17.52*	
		For Seal Class A, Add	*37.38*	
		For Work In Restricted Working Space, Add	*35.04*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	150.10	75.91
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.64	81.76
		For Seal Class B, Add	*20.44*	
		For Seal Class A, Add	*43.60*	
		For Work In Restricted Working Space, Add	*40.88*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.18	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	93.44
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.72*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	196.27	99.29
		For Seal Class B, Add	*24.82*	
		For Seal Class A, Add	*52.95*	
		For Work In Restricted Working Space, Add	*49.64*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.83	105.12
		For Seal Class B, Add	*26.28*	
		For Seal Class A, Add	*56.06*	
		For Work In Restricted Working Space, Add	*52.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.38	110.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.74*	
		For Seal Class A, Add	*59.18*	
		For Work In Restricted Working Space, Add	*55.48*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.91	116.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.20*	
		For Seal Class A, Add	*62.29*	
		For Work In Restricted Working Space, Add	*58.40*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.45	122.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.66*	
		For Seal Class A, Add	*65.41*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	138.53	70.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*17.52*	
		For Seal Class A, Add	*37.38*	
		For Work In Restricted Working Space, Add	*35.04*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	150.10	75.91
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*18.98*	
		For Seal Class A, Add	*40.49*	
		For Work In Restricted Working Space, Add	*37.96*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	161.64	81.76
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*20.44*	
		For Seal Class A, Add	*43.60*	
		For Work In Restricted Working Space, Add	*40.88*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	173.18	87.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	184.72	93.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.72*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	196.27	99.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*24.82*	
		For Seal Class A, Add	*52.95*	
		For Work In Restricted Working Space, Add	*49.64*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	207.83	105.12
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.28*	
		For Seal Class A, Add	*56.06*	
		For Work In Restricted Working Space, Add	*52.56*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.38	110.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.74*	
		For Seal Class A, Add	*59.18*	
		For Work In Restricted Working Space, Add	*55.48*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.91	116.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.20*	
		For Seal Class A, Add	*62.29*	
		For Work In Restricted Working Space, Add	*58.40*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.45	122.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.66*	
		For Seal Class A, Add	*65.41*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	253.99	128.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.12*	
		For Seal Class A, Add	*68.52*	
		For Work In Restricted Working Space, Add	*64.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	265.56	134.32
		For Seal Class B, Add	*33.58*	
		For Seal Class A, Add	*71.64*	
		For Work In Restricted Working Space, Add	*67.16*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	277.11	140.16
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	161.64	81.76
		For Seal Class B, Add	*20.44*	
		For Seal Class A, Add	*43.60*	
		For Work In Restricted Working Space, Add	*40.88*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	173.18	87.60
		For Seal Class B, Add	*21.90*	
		For Seal Class A, Add	*46.72*	
		For Work In Restricted Working Space, Add	*43.80*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	93.44
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.72*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	196.27	99.29
		For Seal Class B, Add	*24.82*	
		For Seal Class A, Add	*52.95*	
		For Work In Restricted Working Space, Add	*49.64*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.83	105.12
		For Seal Class B, Add	*26.28*	
		For Seal Class A, Add	*56.06*	
		For Work In Restricted Working Space, Add	*52.56*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	219.38	110.97
		For Seal Class B, Add	*27.74*	
		For Seal Class A, Add	*59.18*	
		For Work In Restricted Working Space, Add	*55.48*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.91	116.80
		For Seal Class B, Add	*29.20*	
		For Seal Class A, Add	*62.29*	
		For Work In Restricted Working Space, Add	*58.40*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.45	122.64
		For Seal Class B, Add	*30.66*	
		For Seal Class A, Add	*65.41*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.99	128.49
		For Seal Class B, Add	*32.12*	
		For Seal Class A, Add	*68.52*	
		For Work In Restricted Working Space, Add	*64.24*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	265.56	134.32
		For Seal Class B, Add	*33.58*	
		For Seal Class A, Add	*71.64*	
		For Work In Restricted Working Space, Add	*67.16*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	277.11	140.16
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	288.64	146.00
		For Seal Class B, Add	*36.50*	
		For Seal Class A, Add	*77.87*	
		For Work In Restricted Working Space, Add	*73.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	184.72	93.44
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.72*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	196.27	99.29
		For Seal Class B, Add	*24.82*	
		For Seal Class A, Add	*52.95*	
		For Work In Restricted Working Space, Add	*49.64*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	207.83	105.12
		For Seal Class B, Add	*26.28*	
		For Seal Class A, Add	*56.06*	
		For Work In Restricted Working Space, Add	*52.56*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	219.38	110.97
		For Seal Class B, Add	*27.74*	
		For Seal Class A, Add	*59.18*	
		For Work In Restricted Working Space, Add	*55.48*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.91	116.80
		For Seal Class B, Add	*29.20*	
		For Seal Class A, Add	*62.29*	
		For Work In Restricted Working Space, Add	*58.40*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.45	122.64
		For Seal Class B, Add	*30.66*	
		For Seal Class A, Add	*65.41*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.99	128.49
		For Seal Class B, Add	*32.12*	
		For Seal Class A, Add	*68.52*	
		For Work In Restricted Working Space, Add	*64.24*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	265.56	134.32
		For Seal Class B, Add	*33.58*	
		For Seal Class A, Add	*71.64*	
		For Work In Restricted Working Space, Add	*67.16*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	277.11	140.16
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	288.64	146.00
		For Seal Class B, Add	*36.50*	
		For Seal Class A, Add	*77.87*	
		For Work In Restricted Working Space, Add	*73.00*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	300.18	151.84
		For Seal Class B, Add	*37.96*	
		For Seal Class A, Add	*80.98*	
		For Work In Restricted Working Space, Add	*75.92*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	311.73	157.67
		For Seal Class B, Add	*39.42*	
		For Seal Class A, Add	*84.10*	
		For Work In Restricted Working Space, Add	*78.84*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.29	163.53
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.83	169.37
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.37	175.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	207.83	105.12
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*26.28*	
		For Seal Class A, Add	*56.06*	
		For Work In Restricted Working Space, Add	*52.56*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	219.38	110.97
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*27.74*	
		For Seal Class A, Add	*59.18*	
		For Work In Restricted Working Space, Add	*55.48*	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	230.91	116.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*29.20*	
		For Seal Class A, Add	*62.29*	
		For Work In Restricted Working Space, Add	*58.40*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	242.45	122.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*30.66*	
		For Seal Class A, Add	*65.41*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	253.99	128.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.12*	
		For Seal Class A, Add	*68.52*	
		For Work In Restricted Working Space, Add	*64.24*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	265.56	134.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.58*	
		For Seal Class A, Add	*71.64*	
		For Work In Restricted Working Space, Add	*67.16*	
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	277.11	140.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	288.64	146.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.50*	
		For Seal Class A, Add	*77.87*	
		For Work In Restricted Working Space, Add	*73.00*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	300.18	151.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.96*	
		For Seal Class A, Add	*80.98*	
		For Work In Restricted Working Space, Add	*75.92*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	311.73	157.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.42*	
		For Seal Class A, Add	*84.10*	
		For Work In Restricted Working Space, Add	*78.84*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.29	163.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	334.83	169.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.37	175.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	357.92	181.05
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.47	186.88
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	230.91	116.80
		For Seal Class B, Add	*29.20*	
		For Seal Class A, Add	*62.29*	
		For Work In Restricted Working Space, Add	*58.40*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	242.45	122.64
		For Seal Class B, Add	*30.66*	
		For Seal Class A, Add	*65.41*	
		For Work In Restricted Working Space, Add	*61.32*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	253.99	128.49
		For Seal Class B, Add	*32.12*	
		For Seal Class A, Add	*68.52*	
		For Work In Restricted Working Space, Add	*64.24*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	265.56	134.32
		For Seal Class B, Add	*33.58*	
		For Seal Class A, Add	*71.64*	
		For Work In Restricted Working Space, Add	*67.16*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	277.11	140.16
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	288.64	146.00
		For Seal Class B, Add	*36.50*	
		For Seal Class A, Add	*77.87*	
		For Work In Restricted Working Space, Add	*73.00*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	300.18	151.84
		For Seal Class B, Add	*37.96*	
		For Seal Class A, Add	*80.98*	
		For Work In Restricted Working Space, Add	*75.92*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	311.73	157.67
		For Seal Class B, Add	*39.42*	
		For Seal Class A, Add	*84.10*	
		For Work In Restricted Working Space, Add	*78.84*	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.29	163.53
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.83	169.37
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	346.37	175.20
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	357.92	181.05
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	369.47	186.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.01	192.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	392.55	198.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	253.99	128.49
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*32.12*	
		For Seal Class A, Add	*68.52*	
		For Work In Restricted Working Space, Add	*64.24*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	265.56	134.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*33.58*	
		For Seal Class A, Add	*71.64*	
		For Work In Restricted Working Space, Add	*67.16*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	277.11	140.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	288.64	146.00
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*36.50*	
		For Seal Class A, Add	*77.87*	
		For Work In Restricted Working Space, Add	*73.00*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	300.18	151.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.96*	
		For Seal Class A, Add	*80.98*	
		For Work In Restricted Working Space, Add	*75.92*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	311.73	157.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.42*	
		For Seal Class A, Add	*84.10*	
		For Work In Restricted Working Space, Add	*78.84*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.29	163.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	334.83	169.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.37	175.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	357.92	181.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	369.47	186.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	381.01	192.72
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	392.55	198.56
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	404.09	204.40
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	277.11	140.16
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.76*	
		For Work In Restricted Working Space, Add	*70.08*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	288.64	146.00
		For Seal Class B, Add	*36.50*	
		For Seal Class A, Add	*77.87*	
		For Work In Restricted Working Space, Add	*73.00*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	300.18	151.84
		For Seal Class B, Add	*37.96*	
		For Seal Class A, Add	*80.98*	
		For Work In Restricted Working Space, Add	*75.92*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	311.73	157.67
		For Seal Class B, Add	*39.42*	
		For Seal Class A, Add	*84.10*	
		For Work In Restricted Working Space, Add	*78.84*	
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.29	163.53
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.83	169.37
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	346.37	175.20
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	357.92	181.05
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.47	186.88
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	381.01	192.72
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	392.55	198.56
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.09	204.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	415.63	210.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	300.18	151.84
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*37.96*	
		For Seal Class A, Add	*80.98*	
		For Work In Restricted Working Space, Add	*75.92*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	311.73	157.67
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*39.42*	
		For Seal Class A, Add	*84.10*	
		For Work In Restricted Working Space, Add	*78.84*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	323.29	163.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	334.83	169.37
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	346.37	175.20
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	357.92	181.05
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	369.47	186.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.01	192.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	392.55	198.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.09	204.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	415.63	210.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	427.20	216.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.02*	
		For Seal Class A, Add	*115.24*	
		For Work In Restricted Working Space, Add	*108.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	323.29	163.53
		For Seal Class B, Add	*40.88*	
		For Seal Class A, Add	*87.21*	
		For Work In Restricted Working Space, Add	*81.76*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	334.83	169.37
		For Seal Class B, Add	*42.34*	
		For Seal Class A, Add	*90.33*	
		For Work In Restricted Working Space, Add	*84.68*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	346.37	175.20
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	357.92	181.05
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.47	186.88
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	381.01	192.72
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	392.55	198.56
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	404.09	204.40
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.63	210.24
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	427.20	216.08
		For Seal Class B, Add	*54.02*	
		For Seal Class A, Add	*115.24*	
		For Work In Restricted Working Space, Add	*108.04*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	438.74	221.92
		For Seal Class B, Add	*55.48*	
		For Seal Class A, Add	*118.36*	
		For Work In Restricted Working Space, Add	*110.96*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	346.37	175.20
		For Seal Class B, Add	*43.80*	
		For Seal Class A, Add	*93.44*	
		For Work In Restricted Working Space, Add	*87.60*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	357.92	181.05
		For Seal Class B, Add	*45.26*	
		For Seal Class A, Add	*96.56*	
		For Work In Restricted Working Space, Add	*90.53*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	369.47	186.88
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.01	192.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	392.55	198.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.09	204.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	415.63	210.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	427.20	216.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.02*	
		For Seal Class A, Add	*115.24*	
		For Work In Restricted Working Space, Add	*108.04*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	438.74	221.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.48*	
		For Seal Class A, Add	*118.36*	
		For Work In Restricted Working Space, Add	*110.96*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	450.28	227.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.94*	
		For Seal Class A, Add	*121.47*	
		For Work In Restricted Working Space, Add	*113.88*	
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	369.47	186.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.67*	
		For Work In Restricted Working Space, Add	*93.44*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	381.01	192.72
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*48.18*	
		For Seal Class A, Add	*102.78*	
		For Work In Restricted Working Space, Add	*96.36*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	392.55	198.56
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	404.09	204.40
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	415.63	210.24
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	427.20	216.08
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*54.02*	
		For Seal Class A, Add	*115.24*	
		For Work In Restricted Working Space, Add	*108.04*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	438.74	221.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.48*	
		For Seal Class A, Add	*118.36*	
		For Work In Restricted Working Space, Add	*110.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	450.28	227.77
		For Seal Class B, Add	*56.94*	
		For Seal Class A, Add	*121.47*	
		For Work In Restricted Working Space, Add	*113.88*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	461.82	233.61
		For Seal Class B, Add	*58.40*	
		For Seal Class A, Add	*124.59*	
		For Work In Restricted Working Space, Add	*116.80*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	392.55	198.56
		For Seal Class B, Add	*49.64*	
		For Seal Class A, Add	*105.90*	
		For Work In Restricted Working Space, Add	*99.28*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	404.09	204.40
		For Seal Class B, Add	*51.10*	
		For Seal Class A, Add	*109.01*	
		For Work In Restricted Working Space, Add	*102.20*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.63	210.24
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	427.20	216.08
		For Seal Class B, Add	*54.02*	
		For Seal Class A, Add	*115.24*	
		For Work In Restricted Working Space, Add	*108.04*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	438.74	221.92
		For Seal Class B, Add	*55.48*	
		For Seal Class A, Add	*118.36*	
		For Work In Restricted Working Space, Add	*110.96*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	450.28	227.77
		For Seal Class B, Add	*56.94*	
		For Seal Class A, Add	*121.47*	
		For Work In Restricted Working Space, Add	*113.88*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	461.82	233.61
		For Seal Class B, Add	*58.40*	
		For Seal Class A, Add	*124.59*	
		For Work In Restricted Working Space, Add	*116.80*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	473.36	239.44
		For Seal Class B, Add	*59.86*	
		For Seal Class A, Add	*127.70*	
		For Work In Restricted Working Space, Add	*119.72*	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	415.63	210.24
		For Seal Class B, Add	*52.56*	
		For Seal Class A, Add	*112.13*	
		For Work In Restricted Working Space, Add	*105.12*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	427.20	216.08
		For Seal Class B, Add	*54.02*	
		For Seal Class A, Add	*115.24*	
		For Work In Restricted Working Space, Add	*108.04*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	438.74	221.92
		For Seal Class B, Add	*55.48*	
		For Seal Class A, Add	*118.36*	
		For Work In Restricted Working Space, Add	*110.96*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	450.28	227.77
		For Seal Class B, Add	*56.94*	
		For Seal Class A, Add	*121.47*	
		For Work In Restricted Working Space, Add	*113.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	461.82	233.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.40*	
		For Seal Class A, Add	*124.59*	
		For Work In Restricted Working Space, Add	*116.80*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	473.36	239.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*59.86*	
		For Seal Class A, Add	*127.70*	
		For Work In Restricted Working Space, Add	*119.72*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.92	245.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.32*	
		For Seal Class A, Add	*130.82*	
		For Work In Restricted Working Space, Add	*122.64*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	438.74	221.92
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*55.48*	
		For Seal Class A, Add	*118.36*	
		For Work In Restricted Working Space, Add	*110.96*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	450.28	227.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*56.94*	
		For Seal Class A, Add	*121.47*	
		For Work In Restricted Working Space, Add	*113.88*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	461.82	233.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.40*	
		For Seal Class A, Add	*124.59*	
		For Work In Restricted Working Space, Add	*116.80*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	473.36	239.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*59.86*	
		For Seal Class A, Add	*127.70*	
		For Work In Restricted Working Space, Add	*119.72*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.92	245.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.32*	
		For Seal Class A, Add	*130.82*	
		For Work In Restricted Working Space, Add	*122.64*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.47	251.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	508.02	256.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*64.24*	
		For Seal Class A, Add	*137.05*	
		For Work In Restricted Working Space, Add	*128.48*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	461.82	233.61
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*58.40*	
		For Seal Class A, Add	*124.59*	
		For Work In Restricted Working Space, Add	*116.80*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	473.36	239.44
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*59.86*	
		For Seal Class A, Add	*127.70*	
		For Work In Restricted Working Space, Add	*119.72*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.92	245.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.32*	
		For Seal Class A, Add	*130.82*	
		For Work In Restricted Working Space, Add	*122.64*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.47	251.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	508.02	256.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*64.24*	
		For Seal Class A, Add	*137.05*	
		For Work In Restricted Working Space, Add	*128.48*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	519.56	262.81
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*65.70*	
		For Seal Class A, Add	*140.16*	
		For Work In Restricted Working Space, Add	*131.40*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	531.09	268.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.28*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	542.66	274.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*68.62*	
		For Seal Class A, Add	*146.39*	
		For Work In Restricted Working Space, Add	*137.24*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	554.20	280.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*70.08*	
		For Seal Class A, Add	*149.51*	
		For Work In Restricted Working Space, Add	*140.16*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	484.92	245.29
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*61.32*	
		For Seal Class A, Add	*130.82*	
		For Work In Restricted Working Space, Add	*122.64*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	496.47	251.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*62.78*	
		For Seal Class A, Add	*133.93*	
		For Work In Restricted Working Space, Add	*125.56*	
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	508.02	256.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*64.24*	
		For Seal Class A, Add	*137.05*	
		For Work In Restricted Working Space, Add	*128.48*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	519.56	262.81
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*65.70*	
		For Seal Class A, Add	*140.16*	
		For Work In Restricted Working Space, Add	*131.40*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	531.09	268.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.28*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	542.66	274.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*68.62*	
		For Seal Class A, Add	*146.39*	
		For Work In Restricted Working Space, Add	*137.24*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	554.20	280.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*70.08*	
		For Seal Class A, Add	*149.51*	
		For Work In Restricted Working Space, Add	*140.16*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	565.74	286.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	508.02	256.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*64.24*	
		For Seal Class A, Add	*137.05*	
		For Work In Restricted Working Space, Add	*128.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	519.56	262.81
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*65.70*	
		For Seal Class A, Add	*140.16*	
		For Work In Restricted Working Space, Add	*131.40*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	531.09	268.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.28*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	542.66	274.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*68.62*	
		For Seal Class A, Add	*146.39*	
		For Work In Restricted Working Space, Add	*137.24*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	554.20	280.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*70.08*	
		For Seal Class A, Add	*149.51*	
		For Work In Restricted Working Space, Add	*140.16*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	565.74	286.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	577.29	292.01
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*73.00*	
		For Seal Class A, Add	*155.74*	
		For Work In Restricted Working Space, Add	*146.00*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	531.09	268.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*67.16*	
		For Seal Class A, Add	*143.28*	
		For Work In Restricted Working Space, Add	*134.32*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	542.66	274.48
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*68.62*	
		For Seal Class A, Add	*146.39*	
		For Work In Restricted Working Space, Add	*137.24*	
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	554.20	280.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*70.08*	
		For Seal Class A, Add	*149.51*	
		For Work In Restricted Working Space, Add	*140.16*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	565.74	286.16
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	577.29	292.01
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*73.00*	
		For Seal Class A, Add	*155.74*	
		For Work In Restricted Working Space, Add	*146.00*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	598.56	303.69
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*75.92*	
		For Seal Class A, Add	*161.97*	
		For Work In Restricted Working Space, Add	*151.85*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	610.12	309.52
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*77.38*	
		For Seal Class A, Add	*165.08*	
		For Work In Restricted Working Space, Add	*154.76*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	554.20	280.32
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*70.08*	
		For Seal Class A, Add	*149.51*	
		For Work In Restricted Working Space, Add	*140.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	565.74	286.16
		For Seal Class B, Add	*71.54*	
		For Seal Class A, Add	*152.62*	
		For Work In Restricted Working Space, Add	*143.08*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	577.29	292.01
		For Seal Class B, Add	*73.00*	
		For Seal Class A, Add	*155.74*	
		For Work In Restricted Working Space, Add	*146.00*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	588.82	297.85
		For Seal Class B, Add	*74.46*	
		For Seal Class A, Add	*158.85*	
		For Work In Restricted Working Space, Add	*148.92*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	600.40	303.69
		For Seal Class B, Add	*75.92*	
		For Seal Class A, Add	*161.97*	
		For Work In Restricted Working Space, Add	*151.85*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	611.92	309.52
		For Seal Class B, Add	*77.38*	
		For Seal Class A, Add	*165.08*	
		For Work In Restricted Working Space, Add	*154.76*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	623.46	315.37
		For Seal Class B, Add	*78.84*	
		For Seal Class A, Add	*168.19*	
		For Work In Restricted Working Space, Add	*157.68*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	577.29	292.01
		For Seal Class B, Add	*73.00*	
		For Seal Class A, Add	*155.74*	
		For Work In Restricted Working Space, Add	*146.00*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	588.82	297.85
		For Seal Class B, Add	*74.46*	
		For Seal Class A, Add	*158.85*	
		For Work In Restricted Working Space, Add	*148.92*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	600.40	303.69
		For Seal Class B, Add	*75.92*	
		For Seal Class A, Add	*161.97*	
		For Work In Restricted Working Space, Add	*151.85*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	611.92	309.52
		For Seal Class B, Add	*77.38*	
		For Seal Class A, Add	*165.08*	
		For Work In Restricted Working Space, Add	*154.76*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	623.46	315.37
		For Seal Class B, Add	*78.84*	
		For Seal Class A, Add	*168.19*	
		For Work In Restricted Working Space, Add	*157.68*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	635.00	321.20
		For Seal Class B, Add	*80.30*	
		For Seal Class A, Add	*171.31*	
		For Work In Restricted Working Space, Add	*160.60*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	600.40	303.69
		For Seal Class B, Add	*75.92*	
		For Seal Class A, Add	*161.97*	
		For Work In Restricted Working Space, Add	*151.85*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	611.92	309.52
		For Seal Class B, Add	*77.38*	
		For Seal Class A, Add	*165.08*	
		For Work In Restricted Working Space, Add	*154.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	623.46	315.37
		For Seal Class B, Add	*78.84*	
		For Seal Class A, Add	*168.19*	
		For Work In Restricted Working Space, Add	*157.68*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	635.00	321.20
		For Seal Class B, Add	*80.30*	
		For Seal Class A, Add	*171.31*	
		For Work In Restricted Working Space, Add	*160.60*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	646.55	327.04
		For Seal Class B, Add	*81.76*	
		For Seal Class A, Add	*174.43*	
		For Work In Restricted Working Space, Add	*163.52*	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	623.46	315.37
		For Seal Class B, Add	*78.84*	
		For Seal Class A, Add	*168.19*	
		For Work In Restricted Working Space, Add	*157.68*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	635.00	321.20
		For Seal Class B, Add	*80.30*	
		For Seal Class A, Add	*171.31*	
		For Work In Restricted Working Space, Add	*160.60*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	646.55	327.04
		For Seal Class B, Add	*81.76*	
		For Seal Class A, Add	*174.43*	
		For Work In Restricted Working Space, Add	*163.52*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	658.12	332.89
		For Seal Class B, Add	*83.22*	
		For Seal Class A, Add	*177.54*	
		For Work In Restricted Working Space, Add	*166.44*	
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	669.65	338.72
		For Seal Class B, Add	*84.68*	
		For Seal Class A, Add	*180.65*	
		For Work In Restricted Working Space, Add	*169.36*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	681.19	344.56
		For Seal Class B, Add	*86.14*	
		For Seal Class A, Add	*183.77*	
		For Work In Restricted Working Space, Add	*172.28*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	646.55	327.04
		For Seal Class B, Add	*81.76*	
		For Seal Class A, Add	*174.43*	
		For Work In Restricted Working Space, Add	*163.52*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	658.12	332.89
		For Seal Class B, Add	*83.22*	
		For Seal Class A, Add	*177.54*	
		For Work In Restricted Working Space, Add	*166.44*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	669.65	338.72
		For Seal Class B, Add	*84.68*	
		For Seal Class A, Add	*180.65*	
		For Work In Restricted Working Space, Add	*169.36*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	681.19	344.56
		For Seal Class B, Add	*86.14*	
		For Seal Class A, Add	*183.77*	
		For Work In Restricted Working Space, Add	*172.28*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	692.74	350.40
		For Seal Class B, Add	*87.60*	
		For Seal Class A, Add	*186.88*	
		For Work In Restricted Working Space, Add	*175.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	669.65	338.72
		For Seal Class B, Add	*84.68*	
		For Seal Class A, Add	*180.65*	
		For Work In Restricted Working Space, Add	*169.36*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	681.19	344.56
		For Seal Class B, Add	*86.14*	
		For Seal Class A, Add	*183.77*	
		For Work In Restricted Working Space, Add	*172.28*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	692.74	350.40
		For Seal Class B, Add	*87.60*	
		For Seal Class A, Add	*186.88*	
		For Work In Restricted Working Space, Add	*175.20*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	704.27	356.25
		For Seal Class B, Add	*89.06*	
		For Seal Class A, Add	*190.00*	
		For Work In Restricted Working Space, Add	*178.12*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	715.84	362.08
		For Seal Class B, Add	*90.52*	
		For Seal Class A, Add	*193.11*	
		For Work In Restricted Working Space, Add	*181.04*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	692.74	350.40
		For Seal Class B, Add	*87.60*	
		For Seal Class A, Add	*186.88*	
		For Work In Restricted Working Space, Add	*175.20*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	704.27	356.25
		For Seal Class B, Add	*89.06*	
		For Seal Class A, Add	*190.00*	
		For Work In Restricted Working Space, Add	*178.12*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	715.84	362.08
		For Seal Class B, Add	*90.52*	
		For Seal Class A, Add	*193.11*	
		For Work In Restricted Working Space, Add	*181.04*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	727.38	367.93
		For Seal Class B, Add	*91.98*	
		For Seal Class A, Add	*196.23*	
		For Work In Restricted Working Space, Add	*183.96*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	738.93	373.77
		For Seal Class B, Add	*93.44*	
		For Seal Class A, Add	*199.34*	
		For Work In Restricted Working Space, Add	*186.89*	
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	715.84	362.08
		For Seal Class B, Add	*90.52*	
		For Seal Class A, Add	*193.11*	
		For Work In Restricted Working Space, Add	*181.04*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	727.38	367.93
		For Seal Class B, Add	*91.98*	
		For Seal Class A, Add	*196.23*	
		For Work In Restricted Working Space, Add	*183.96*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	738.93	373.77
		For Seal Class B, Add	*93.44*	
		For Seal Class A, Add	*199.34*	
		For Work In Restricted Working Space, Add	*186.89*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	750.47	379.60
		For Seal Class B, Add	*94.90*	
		For Seal Class A, Add	*202.46*	
		For Work In Restricted Working Space, Add	*189.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	762.00	385.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*96.36*	
		For Seal Class A, Add	*205.57*	
		For Work In Restricted Working Space, Add	*192.72*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	738.93	373.77
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*93.44*	
		For Seal Class A, Add	*199.34*	
		For Work In Restricted Working Space, Add	*186.89*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	750.47	379.60
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*94.90*	
		For Seal Class A, Add	*202.46*	
		For Work In Restricted Working Space, Add	*189.80*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	762.00	385.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*96.36*	
		For Seal Class A, Add	*205.57*	
		For Work In Restricted Working Space, Add	*192.72*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	773.57	391.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*97.82*	
		For Seal Class A, Add	*208.68*	
		For Work In Restricted Working Space, Add	*195.64*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	762.00	385.45
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*96.36*	
		For Seal Class A, Add	*205.57*	
		For Work In Restricted Working Space, Add	*192.72*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	773.57	391.28
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*97.82*	
		For Seal Class A, Add	*208.68*	
		For Work In Restricted Working Space, Add	*195.64*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	785.11	397.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*99.28*	
		For Seal Class A, Add	*211.80*	
		For Work In Restricted Working Space, Add	*198.56*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	796.65	402.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*100.74*	
		For Seal Class A, Add	*214.92*	
		For Work In Restricted Working Space, Add	*201.48*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	785.11	397.13
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*99.28*	
		For Seal Class A, Add	*211.80*	
		For Work In Restricted Working Space, Add	*198.56*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	796.65	402.96
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*100.74*	
		For Seal Class A, Add	*214.92*	
		For Work In Restricted Working Space, Add	*201.48*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	808.20	408.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*102.20*	
		For Seal Class A, Add	*218.03*	
		For Work In Restricted Working Space, Add	*204.41*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	819.73	414.64
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*103.66*	
		For Seal Class A, Add	*221.15*	
		For Work In Restricted Working Space, Add	*207.32*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	808.20	408.80
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*102.20*	
		For Seal Class A, Add	*218.03*	
		For Work In Restricted Working Space, Add	*204.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	819.73	414.64
		For Seal Class B, Add	*103.66*	
		For Seal Class A, Add	*221.15*	
		For Work In Restricted Working Space, Add	*207.32*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	831.31	420.49
		For Seal Class B, Add	*105.12*	
		For Seal Class A, Add	*224.26*	
		For Work In Restricted Working Space, Add	*210.25*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	842.84	426.33
		For Seal Class B, Add	*106.58*	
		For Seal Class A, Add	*227.37*	
		For Work In Restricted Working Space, Add	*213.16*	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	854.37	432.17
		For Seal Class B, Add	*108.04*	
		For Seal Class A, Add	*230.49*	
		For Work In Restricted Working Space, Add	*216.08*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	865.91	438.01
		For Seal Class B, Add	*109.50*	
		For Seal Class A, Add	*233.60*	
		For Work In Restricted Working Space, Add	*219.00*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	877.47	443.84
		For Seal Class B, Add	*110.96*	
		For Seal Class A, Add	*236.72*	
		For Work In Restricted Working Space, Add	*221.93*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	889.03	449.69
		For Seal Class B, Add	*112.42*	
		For Seal Class A, Add	*239.83*	
		For Work In Restricted Working Space, Add	*224.84*	
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	900.57	455.53
		For Seal Class B, Add	*113.88*	
		For Seal Class A, Add	*242.95*	
		For Work In Restricted Working Space, Add	*227.76*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	831.31	420.49
		For Seal Class B, Add	*105.12*	
		For Seal Class A, Add	*224.26*	
		For Work In Restricted Working Space, Add	*210.25*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	842.84	426.33
		For Seal Class B, Add	*106.58*	
		For Seal Class A, Add	*227.37*	
		For Work In Restricted Working Space, Add	*213.16*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	854.37	432.17
		For Seal Class B, Add	*108.04*	
		For Seal Class A, Add	*230.49*	
		For Work In Restricted Working Space, Add	*216.08*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	865.91	438.01
		For Seal Class B, Add	*109.50*	
		For Seal Class A, Add	*233.60*	
		For Work In Restricted Working Space, Add	*219.00*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	877.47	443.84
		For Seal Class B, Add	*110.96*	
		For Seal Class A, Add	*236.72*	
		For Work In Restricted Working Space, Add	*221.93*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	889.03	449.69
		For Seal Class B, Add	*112.42*	
		For Seal Class A, Add	*239.83*	
		For Work In Restricted Working Space, Add	*224.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	900.57	455.53
		For Seal Class B, Add	*113.88*	
		For Seal Class A, Add	*242.95*	
		For Work In Restricted Working Space, Add	*227.76*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	912.10	461.36
		For Seal Class B, Add	*115.34*	
		For Seal Class A, Add	*246.06*	
		For Work In Restricted Working Space, Add	*230.68*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	854.37	432.17
		For Seal Class B, Add	*108.04*	
		For Seal Class A, Add	*230.49*	
		For Work In Restricted Working Space, Add	*216.08*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	865.91	438.01
		For Seal Class B, Add	*109.50*	
		For Seal Class A, Add	*233.60*	
		For Work In Restricted Working Space, Add	*219.00*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	877.47	443.84
		For Seal Class B, Add	*110.96*	
		For Seal Class A, Add	*236.72*	
		For Work In Restricted Working Space, Add	*221.93*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	889.03	449.69
		For Seal Class B, Add	*112.42*	
		For Seal Class A, Add	*239.83*	
		For Work In Restricted Working Space, Add	*224.84*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	900.57	455.53
		For Seal Class B, Add	*113.88*	
		For Seal Class A, Add	*242.95*	
		For Work In Restricted Working Space, Add	*227.76*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	912.10	461.36
		For Seal Class B, Add	*115.34*	
		For Seal Class A, Add	*246.06*	
		For Work In Restricted Working Space, Add	*230.68*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	923.64	467.21
		For Seal Class B, Add	*116.80*	
		For Seal Class A, Add	*249.17*	
		For Work In Restricted Working Space, Add	*233.60*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	877.47	443.84
		For Seal Class B, Add	*110.96*	
		For Seal Class A, Add	*236.72*	
		For Work In Restricted Working Space, Add	*221.93*	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	889.03	449.69
		For Seal Class B, Add	*112.42*	
		For Seal Class A, Add	*239.83*	
		For Work In Restricted Working Space, Add	*224.84*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	900.57	455.53
		For Seal Class B, Add	*113.88*	
		For Seal Class A, Add	*242.95*	
		For Work In Restricted Working Space, Add	*227.76*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	912.10	461.36
		For Seal Class B, Add	*115.34*	
		For Seal Class A, Add	*246.06*	
		For Work In Restricted Working Space, Add	*230.68*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	923.64	467.21
		For Seal Class B, Add	*116.80*	
		For Seal Class A, Add	*249.17*	
		For Work In Restricted Working Space, Add	*233.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	935.19	473.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*118.26*	
		For Seal Class A, Add	*252.29*	
		For Work In Restricted Working Space, Add	*236.52*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	900.57	455.53
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*113.88*	
		For Seal Class A, Add	*242.95*	
		For Work In Restricted Working Space, Add	*227.76*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	912.10	461.36
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*115.34*	
		For Seal Class A, Add	*246.06*	
		For Work In Restricted Working Space, Add	*230.68*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	923.64	467.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*116.80*	
		For Seal Class A, Add	*249.17*	
		For Work In Restricted Working Space, Add	*233.60*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	935.19	473.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*118.26*	
		For Seal Class A, Add	*252.29*	
		For Work In Restricted Working Space, Add	*236.52*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	946.75	478.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*119.72*	
		For Seal Class A, Add	*255.40*	
		For Work In Restricted Working Space, Add	*239.44*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	923.64	467.21
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*116.80*	
		For Seal Class A, Add	*249.17*	
		For Work In Restricted Working Space, Add	*233.60*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	935.19	473.04
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*118.26*	
		For Seal Class A, Add	*252.29*	
		For Work In Restricted Working Space, Add	*236.52*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	946.75	478.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*119.72*	
		For Seal Class A, Add	*255.40*	
		For Work In Restricted Working Space, Add	*239.44*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	968.03	490.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*122.64*	
		For Seal Class A, Add	*261.64*	
		For Work In Restricted Working Space, Add	*245.28*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	946.75	478.88
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*119.72*	
		For Seal Class A, Add	*255.40*	
		For Work In Restricted Working Space, Add	*239.44*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	958.30	484.73
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*121.18*	
		For Seal Class A, Add	*258.52*	
		For Work In Restricted Working Space, Add	*242.36*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	969.83	490.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*122.64*	
		For Seal Class A, Add	*261.64*	
		For Work In Restricted Working Space, Add	*245.28*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly	969.83	490.57
		Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.		
		For Seal Class B, Add	*122.64*	
		For Seal Class A, Add	*261.64*	
		For Work In Restricted Working Space, Add	*245.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	981.38	496.41
		For Seal Class B, Add	*124.10*	
		For Seal Class A, Add	*264.75*	
		For Work In Restricted Working Space, Add	*248.21*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork Assembly Note: Includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed.	992.92	502.25
		For Seal Class B, Add	*125.56*	
		For Seal Class A, Add	*267.87*	
		For Work In Restricted Working Space, Add	*251.12*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.52	2.93
		For Work In Restricted Working Space, Add	*1.80*	
		For Seal Class B, Add	*0.90*	
		For Seal Class A, Add	*2.40*	
		For Up To 20', Add	*0.76*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.19*	
		For >500', Deduct	*-0.32*	
		For 28 Gauge, Deduct	*-0.35*	
		For 24 Gauge, Add	*0.35*	
		For 22 Gauge, Add	*0.70*	
		For 20 Gauge, Add	*1.05*	
		For 18 Gauge, Add	*1.39*	
		For 16 Gauge, Add	*1.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.00*	
		For Elevated Installation >40' Above Floor, Add	*3.29*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.85	3.33
		For Work In Restricted Working Space, Add	*2.00*	
		For Seal Class B, Add	*1.00*	
		For Seal Class A, Add	*2.66*	
		For Up To 20', Add	*0.96*	
		For >20' To 50', Add	*0.38*	
		For >200' To 500', Deduct	*-0.24*	
		For >500', Deduct	*-0.40*	
		For 28 Gauge, Deduct	*-0.44*	
		For 24 Gauge, Add	*0.44*	
		For 22 Gauge, Add	*0.88*	
		For 20 Gauge, Add	*1.32*	
		For 18 Gauge, Add	*1.76*	
		For 16 Gauge, Add	*2.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.33*	
		For Elevated Installation >40' Above Floor, Add	*3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.18	3.99
		For Work In Restricted Working Space, Add	*2.25*	
		For Seal Class B, Add	*1.12*	
		For Seal Class A, Add	*3.00*	
		For Up To 20', Add	*1.11*	
		For >20' To 50', Add	*0.44*	
		For >200' To 500', Deduct	*-0.28*	
		For >500', Deduct	*-0.46*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.53*	
		For 18 Gauge, Add	*2.03*	
		For 16 Gauge, Add	*2.49*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.75*	
		For Elevated Installation >40' Above Floor, Add	*4.12*	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	12.53	4.66
		For Work In Restricted Working Space, Add	*2.57*	
		For Seal Class B, Add	*1.28*	
		For Seal Class A, Add	*3.42*	
		For Up To 20', Add	*1.19*	
		For >20' To 50', Add	*0.48*	
		For >200' To 500', Deduct	*-0.30*	
		For >500', Deduct	*-0.50*	
		For 28 Gauge, Deduct	*-0.55*	
		For 24 Gauge, Add	*0.55*	
		For 22 Gauge, Add	*1.10*	
		For 20 Gauge, Add	*1.65*	
		For 18 Gauge, Add	*2.19*	
		For 16 Gauge, Add	*2.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.28*	
		For Elevated Installation >40' Above Floor, Add	*4.70*	
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	14.26	5.32
		For Work In Restricted Working Space, Add	*2.99*	
		For Seal Class B, Add	*1.50*	
		For Seal Class A, Add	*3.99*	
		For Up To 20', Add	*1.28*	
		For >20' To 50', Add	*0.51*	
		For >200' To 500', Deduct	*-0.32*	
		For >500', Deduct	*-0.54*	
		For 28 Gauge, Deduct	*-0.59*	
		For 24 Gauge, Add	*0.59*	
		For 22 Gauge, Add	*1.18*	
		For 20 Gauge, Add	*1.77*	
		For 18 Gauge, Add	*2.35*	
		For 16 Gauge, Add	*2.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.99*	
		For Elevated Installation >40' Above Floor, Add	*5.49*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	18.19	6.65
		For Work In Restricted Working Space, Add	*3.59*	
		For Seal Class B, Add	*1.80*	
		For Seal Class A, Add	*4.79*	
		For Up To 20', Add	*1.87*	
		For >20' To 50', Add	*0.75*	
		For >200' To 500', Deduct	*-0.47*	
		For >500', Deduct	*-0.78*	
		For 28 Gauge, Deduct	*-0.86*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.58*	
		For 18 Gauge, Add	*3.42*	
		For 16 Gauge, Add	*4.20*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.19*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.99*	
		For Elevated Installation >40' Above Floor, Add	*6.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	22.24	8.92
		For Work In Restricted Working Space, Add	*4.49*	
		For Seal Class B, Add	*2.24*	
		For Seal Class A, Add	*5.98*	
		For Up To 20', Add	*2.18*	
		For >20' To 50', Add	*0.87*	
		For >200' To 500', Deduct	*-0.55*	
		For >500', Deduct	*-0.91*	
		For 28 Gauge, Deduct	*-1.01*	
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*2.01*	
		For 20 Gauge, Add	*3.01*	
		For 18 Gauge, Add	*4.00*	
		For 16 Gauge, Add	*4.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.48*	
		For Elevated Installation >40' Above Floor, Add	*8.23*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	26.97	13.30
		For Work In Restricted Working Space, Add	*5.61*	
		For Seal Class B, Add	*2.81*	
		For Seal Class A, Add	*7.48*	
		For Up To 20', Add	*2.48*	
		For >20' To 50', Add	*0.99*	
		For >200' To 500', Deduct	*-0.62*	
		For >500', Deduct	*-1.03*	
		For 28 Gauge, Deduct	*-1.14*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.54*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.36*	
		For Elevated Installation >40' Above Floor, Add	*10.29*	
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	36.30	17.83
		For Work In Restricted Working Space, Add	*7.49*	
		For Seal Class B, Add	*3.74*	
		For Seal Class A, Add	*9.98*	
		For Up To 20', Add	*3.41*	
		For >20' To 50', Add	*1.36*	
		For >200' To 500', Deduct	*-0.85*	
		For >500', Deduct	*-1.42*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.13*	
		For 20 Gauge, Add	*4.70*	
		For 18 Gauge, Add	*6.24*	
		For 16 Gauge, Add	*7.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.48*	
		For Elevated Installation >40' Above Floor, Add	*13.72*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	51.88	21.41
		For Work In Restricted Working Space, Add	*8.98*	
		For Seal Class B, Add	*4.49*	
		For Seal Class A, Add	*11.98*	
		For Up To 20', Add	*6.58*	
		For >20' To 50', Add	*2.63*	
		For >200' To 500', Deduct	*-1.65*	
		For >500', Deduct	*-2.74*	
		For 28 Gauge, Deduct	*-3.04*	
		For 24 Gauge, Add	*3.03*	
		For 22 Gauge, Add	*6.04*	
		For 20 Gauge, Add	*9.08*	
		For 18 Gauge, Add	*12.07*	
		For 16 Gauge, Add	*14.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.97*	
		For Elevated Installation >40' Above Floor, Add	*16.47*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	59.08	24.74
		For Work In Restricted Working Space, Add	*10.38*	
		For Seal Class B, Add	*5.19*	
		For Seal Class A, Add	*13.84*	
		For Up To 20', Add	*7.35*	
		For >20' To 50', Add	*2.94*	
		For >200' To 500', Deduct	*-1.84*	
		For >500', Deduct	*-3.06*	
		For 28 Gauge, Deduct	*-3.39*	
		For 24 Gauge, Add	*3.38*	
		For 22 Gauge, Add	*6.75*	
		For 20 Gauge, Add	*10.14*	
		For 18 Gauge, Add	*13.47*	
		For 16 Gauge, Add	*16.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.30*	
		For Elevated Installation >40' Above Floor, Add	*19.02*	
23 31 13 16-0014		Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*		
		Note: Up to 90 degree.		
23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	42.75	17.76
		For Work In Restricted Working Space, Add	*10.66*	
		For Seal Class B, Add	*5.33*	
		For Seal Class A, Add	*14.21*	
		For 28 Gauge, Deduct	*-1.00*	
		For 24 Gauge, Add	*1.00*	
		For 22 Gauge, Add	*1.99*	
		For 20 Gauge, Add	*2.99*	
		For 18 Gauge, Add	*3.98*	
		For 16 Gauge, Add	*4.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.76*	
		For Elevated Installation >40' Above Floor, Add	*19.54*	
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	48.85	20.49
		For Work In Restricted Working Space, Add	*12.29*	
		For Seal Class B, Add	*6.15*	
		For Seal Class A, Add	*16.39*	
		For 28 Gauge, Deduct	*-1.09*	
		For 24 Gauge, Add	*1.09*	
		For 22 Gauge, Add	*2.17*	
		For 20 Gauge, Add	*3.26*	
		For 18 Gauge, Add	*4.33*	
		For 16 Gauge, Add	*5.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.49*	
		For Elevated Installation >40' Above Floor, Add	*22.54*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	57.27	24.21
		For Work In Restricted Working Space, Add	*14.53*	
		For Seal Class B, Add	*7.26*	
		For Seal Class A, Add	*19.37*	
		For 28 Gauge, Deduct	*-1.23*	
		For 24 Gauge, Add	*1.22*	
		For 22 Gauge, Add	*2.44*	
		For 20 Gauge, Add	*3.66*	
		For 18 Gauge, Add	*4.87*	
		For 16 Gauge, Add	*5.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.21*	
		For Elevated Installation >40' Above Floor, Add	*26.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	73.13	31.13
		For Work In Restricted Working Space, Add	*18.68*	
		For Seal Class B, Add	*9.34*	
		For Seal Class A, Add	*24.90*	
		For 28 Gauge, Deduct	*-1.51*	
		For 24 Gauge, Add	*1.50*	
		For 22 Gauge, Add	*2.99*	
		For 20 Gauge, Add	*4.50*	
		For 18 Gauge, Add	*5.98*	
		For 16 Gauge, Add	*7.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.23*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.13*	
		For Elevated Installation >40' Above Floor, Add	*34.24*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	87.58	37.92
		For Work In Restricted Working Space, Add	*22.75*	
		For Seal Class B, Add	*11.37*	
		For Seal Class A, Add	*30.33*	
		For 28 Gauge, Deduct	*-1.63*	
		For 24 Gauge, Add	*1.62*	
		For 22 Gauge, Add	*3.24*	
		For 20 Gauge, Add	*4.86*	
		For 18 Gauge, Add	*6.46*	
		For 16 Gauge, Add	*7.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.92*	
		For Elevated Installation >40' Above Floor, Add	*41.71*	
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	133.90	59.20
		For Work In Restricted Working Space, Add	*35.52*	
		For Seal Class B, Add	*17.76*	
		For Seal Class A, Add	*47.36*	
		For 28 Gauge, Deduct	*-2.15*	
		For 24 Gauge, Add	*2.14*	
		For 22 Gauge, Add	*4.27*	
		For 20 Gauge, Add	*6.42*	
		For 18 Gauge, Add	*8.53*	
		For 16 Gauge, Add	*10.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.20*	
		For Elevated Installation >40' Above Floor, Add	*65.12*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	184.63	81.81
		For Work In Restricted Working Space, Add	*49.09*	
		For Seal Class B, Add	*24.54*	
		For Seal Class A, Add	*65.45*	
		For 28 Gauge, Deduct	*-2.91*	
		For 24 Gauge, Add	*2.90*	
		For 22 Gauge, Add	*5.79*	
		For 20 Gauge, Add	*8.69*	
		For 18 Gauge, Add	*11.55*	
		For 16 Gauge, Add	*14.18*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*40.91*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*81.82*	
		For Elevated Installation >40' Above Floor, Add	*90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	225.75	96.78
		For Work In Restricted Working Space, Add	*58.07*	
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*77.42*	
		For 28 Gauge, Deduct	*-4.46*	
		For 24 Gauge, Add	*4.44*	
		For 22 Gauge, Add	*8.87*	
		For 20 Gauge, Add	*13.33*	
		For 18 Gauge, Add	*17.70*	
		For 16 Gauge, Add	*21.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*38.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*48.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*67.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*77.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*96.78*	
		For Elevated Installation >40' Above Floor, Add	*106.46*	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	258.99	106.42
		For Work In Restricted Working Space, Add	*63.86*	
		For Seal Class B, Add	*31.93*	
		For Seal Class A, Add	*85.14*	
		For 28 Gauge, Deduct	*-6.39*	
		For 24 Gauge, Add	*6.37*	
		For 22 Gauge, Add	*12.71*	
		For 20 Gauge, Add	*19.10*	
		For 18 Gauge, Add	*25.38*	
		For 16 Gauge, Add	*31.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*21.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*42.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*53.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*74.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*85.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*106.43*	
		For Elevated Installation >40' Above Floor, Add	*117.07*	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	290.58	110.75
		For Work In Restricted Working Space, Add	*66.45*	
		For Seal Class B, Add	*33.23*	
		For Seal Class A, Add	*88.60*	
		For 28 Gauge, Deduct	*-9.57*	
		For 24 Gauge, Add	*9.53*	
		For 22 Gauge, Add	*19.03*	
		For 20 Gauge, Add	*28.60*	
		For 18 Gauge, Add	*37.99*	
		For 16 Gauge, Add	*46.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*44.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*55.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*77.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*88.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*110.75*	
		For Elevated Installation >40' Above Floor, Add	*121.83*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	320.91	114.40
		For Work In Restricted Working Space, Add	*68.64*	
		For Seal Class B, Add	*34.32*	
		For Seal Class A, Add	*91.52*	
		For 28 Gauge, Deduct	*-12.76*	
		For 24 Gauge, Add	*12.71*	
		For 22 Gauge, Add	*25.37*	
		For 20 Gauge, Add	*38.13*	
		For 18 Gauge, Add	*50.66*	
		For 16 Gauge, Add	*62.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*80.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*91.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*114.41*	
		For Elevated Installation >40' Above Floor, Add	*125.85*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	36.02	11.97
		For Work In Restricted Working Space, Add	*8.98*	
		For Seal Class B, Add	*4.49*	
		For Seal Class A, Add	*11.98*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.84*	
		For 22 Gauge, Add	*1.68*	
		For 20 Gauge, Add	*2.52*	
		For 18 Gauge, Add	*3.34*	
		For 16 Gauge, Add	*4.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.97*	
		For Elevated Installation >40' Above Floor, Add	*16.47*	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	41.13	13.71
		For Work In Restricted Working Space, Add	*10.26*	
		For Seal Class B, Add	*5.13*	
		For Seal Class A, Add	*13.68*	
		For 28 Gauge, Deduct	*-0.96*	
		For 24 Gauge, Add	*0.96*	
		For 22 Gauge, Add	*1.91*	
		For 20 Gauge, Add	*2.87*	
		For 18 Gauge, Add	*3.81*	
		For 16 Gauge, Add	*4.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.10*	
		For Elevated Installation >40' Above Floor, Add	*18.81*	
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	47.80	15.96
		For Work In Restricted Working Space, Add	*11.97*	
		For Seal Class B, Add	*5.99*	
		For Seal Class A, Add	*15.96*	
		For 28 Gauge, Deduct	*-1.09*	
		For 24 Gauge, Add	*1.09*	
		For 22 Gauge, Add	*2.17*	
		For 20 Gauge, Add	*3.27*	
		For 18 Gauge, Add	*4.34*	
		For 16 Gauge, Add	*5.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.96*	
		For Elevated Installation >40' Above Floor, Add	*21.95*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	56.25	19.16
		For Work In Restricted Working Space, Add	*14.37*	
		For Seal Class B, Add	*7.18*	
		For Seal Class A, Add	*19.16*	
		For 28 Gauge, Deduct	*-1.16*	
		For 24 Gauge, Add	*1.15*	
		For 22 Gauge, Add	*2.30*	
		For 20 Gauge, Add	*3.46*	
		For 18 Gauge, Add	*4.60*	
		For 16 Gauge, Add	*5.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.95*	
		For Elevated Installation >40' Above Floor, Add	*26.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	69.56	23.95
		For Work In Restricted Working Space, Add	*17.96*	
		For Seal Class B, Add	*8.98*	
		For Seal Class A, Add	*23.94*	
		For 28 Gauge, Deduct	*-1.34*	
		For 24 Gauge, Add	*1.34*	
		For 22 Gauge, Add	*2.67*	
		For 20 Gauge, Add	*4.02*	
		For 18 Gauge, Add	*5.34*	
		For 16 Gauge, Add	*6.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.93*	
		For Elevated Installation >40' Above Floor, Add	*32.92*	
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	93.68	31.93
		For Work In Restricted Working Space, Add	*23.95*	
		For Seal Class B, Add	*11.97*	
		For Seal Class A, Add	*31.93*	
		For 28 Gauge, Deduct	*-1.92*	
		For 24 Gauge, Add	*1.91*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.74*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.91*	
		For Elevated Installation >40' Above Floor, Add	*43.90*	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	138.07	47.89
		For Work In Restricted Working Space, Add	*35.92*	
		For Seal Class B, Add	*17.96*	
		For Seal Class A, Add	*47.89*	
		For 28 Gauge, Deduct	*-2.54*	
		For 24 Gauge, Add	*2.53*	
		For 22 Gauge, Add	*5.05*	
		For 20 Gauge, Add	*7.59*	
		For 18 Gauge, Add	*10.09*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.87*	
		For Elevated Installation >40' Above Floor, Add	*65.85*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	187.31	61.19
		For Work In Restricted Working Space, Add	*45.89*	
		For Seal Class B, Add	*22.95*	
		For Seal Class A, Add	*61.19*	
		For 28 Gauge, Deduct	*-4.75*	
		For 24 Gauge, Add	*4.74*	
		For 22 Gauge, Add	*9.46*	
		For 20 Gauge, Add	*14.21*	
		For 18 Gauge, Add	*18.88*	
		For 16 Gauge, Add	*23.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*76.49*	
		For Elevated Installation >40' Above Floor, Add	*84.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	234.90	77.16
		For Work In Restricted Working Space, Add	*57.87*	
		For Seal Class B, Add	*28.94*	
		For Seal Class A, Add	*77.16*	
		For 28 Gauge, Deduct	*-5.82*	
		For 24 Gauge, Add	*5.80*	
		For 22 Gauge, Add	*11.57*	
		For 20 Gauge, Add	*17.39*	
		For 18 Gauge, Add	*23.10*	
		For 16 Gauge, Add	*28.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*38.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*48.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*67.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*77.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*96.45*	
		For Elevated Installation >40' Above Floor, Add	*106.10*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	266.12	80.48
		For Work In Restricted Working Space, Add	*60.26*	
		For Seal Class B, Add	*30.13*	
		For Seal Class A, Add	*80.35*	
		For 28 Gauge, Deduct	*-9.04*	
		For 24 Gauge, Add	*9.00*	
		For 22 Gauge, Add	*17.97*	
		For 20 Gauge, Add	*27.01*	
		For 18 Gauge, Add	*35.88*	
		For 16 Gauge, Add	*44.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*48.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*40.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*50.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*70.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*80.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*100.44*	
		For Elevated Installation >40' Above Floor, Add	*110.48*	
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	293.18	82.48
		For Work In Restricted Working Space, Add	*61.86*	
		For Seal Class B, Add	*30.93*	
		For Seal Class A, Add	*82.48*	
		For 28 Gauge, Deduct	*-12.05*	
		For 24 Gauge, Add	*12.00*	
		For 22 Gauge, Add	*23.97*	
		For 20 Gauge, Add	*36.01*	
		For 18 Gauge, Add	*47.84*	
		For 16 Gauge, Add	*58.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*41.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*51.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*72.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*82.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*103.10*	
		For Elevated Installation >40' Above Floor, Add	*113.40*	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	33.76	11.97
		For Work In Restricted Working Space, Add	*8.98*	
		For Seal Class B, Add	*4.49*	
		For Seal Class A, Add	*11.98*	
		For 28 Gauge, Deduct	*-0.53*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.05*	
		For 20 Gauge, Add	*1.58*	
		For 18 Gauge, Add	*2.10*	
		For 16 Gauge, Add	*2.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.97*	
		For Elevated Installation >40' Above Floor, Add	*16.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	39.10	13.71
		For Work In Restricted Working Space, Add	*10.26*	
		For Seal Class B, Add	*5.13*	
		For Seal Class A, Add	*13.68*	
		For 28 Gauge, Deduct	*-0.68*	
		For 24 Gauge, Add	*0.68*	
		For 22 Gauge, Add	*1.35*	
		For 20 Gauge, Add	*2.03*	
		For 18 Gauge, Add	*2.70*	
		For 16 Gauge, Add	*3.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.10*	
		For Elevated Installation >40' Above Floor, Add	*18.81*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	45.26	15.96
		For Work In Restricted Working Space, Add	*11.97*	
		For Seal Class B, Add	*5.99*	
		For Seal Class A, Add	*15.96*	
		For 28 Gauge, Deduct	*-0.74*	
		For 24 Gauge, Add	*0.74*	
		For 22 Gauge, Add	*1.47*	
		For 20 Gauge, Add	*2.21*	
		For 18 Gauge, Add	*2.94*	
		For 16 Gauge, Add	*3.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.96*	
		For Elevated Installation >40' Above Floor, Add	*21.95*	
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	54.09	19.16
		For Work In Restricted Working Space, Add	*14.37*	
		For Seal Class B, Add	*7.18*	
		For Seal Class A, Add	*19.16*	
		For 28 Gauge, Deduct	*-0.86*	
		For 24 Gauge, Add	*0.86*	
		For 22 Gauge, Add	*1.71*	
		For 20 Gauge, Add	*2.57*	
		For 18 Gauge, Add	*3.41*	
		For 16 Gauge, Add	*4.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.95*	
		For Elevated Installation >40' Above Floor, Add	*26.34*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	66.92	23.95
		For Work In Restricted Working Space, Add	*17.96*	
		For Seal Class B, Add	*8.98*	
		For Seal Class A, Add	*23.94*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.92*	
		For 18 Gauge, Add	*3.88*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.22*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.93*	
		For Elevated Installation >40' Above Floor, Add	*32.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	90.59	31.93
		For Work In Restricted Working Space, Add	*23.95*	
		For Seal Class B, Add	*11.97*	
		For Seal Class A, Add	*31.93*	
		For 28 Gauge, Deduct	*-1.49*	
		For 24 Gauge, Add	*1.49*	
		For 22 Gauge, Add	*2.97*	
		For 20 Gauge, Add	*4.46*	
		For 18 Gauge, Add	*5.92*	
		For 16 Gauge, Add	*7.27*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.97*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.91*	
		For Elevated Installation >40' Above Floor, Add	*43.90*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	133.59	47.89
		For Work In Restricted Working Space, Add	*35.92*	
		For Seal Class B, Add	*17.96*	
		For Seal Class A, Add	*47.89*	
		For 28 Gauge, Deduct	*-1.92*	
		For 24 Gauge, Add	*1.91*	
		For 22 Gauge, Add	*3.82*	
		For 20 Gauge, Add	*5.74*	
		For 18 Gauge, Add	*7.62*	
		For 16 Gauge, Add	*9.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.87*	
		For Elevated Installation >40' Above Floor, Add	*65.85*	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	176.96	61.19
		For Work In Restricted Working Space, Add	*45.89*	
		For Seal Class B, Add	*22.95*	
		For Seal Class A, Add	*61.19*	
		For 28 Gauge, Deduct	*-3.32*	
		For 24 Gauge, Add	*3.31*	
		For 22 Gauge, Add	*6.61*	
		For 20 Gauge, Add	*9.93*	
		For 18 Gauge, Add	*13.19*	
		For 16 Gauge, Add	*16.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*53.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*76.49*	
		For Elevated Installation >40' Above Floor, Add	*84.14*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	232.24	77.16
		For Work In Restricted Working Space, Add	*57.87*	
		For Seal Class B, Add	*28.94*	
		For Seal Class A, Add	*77.16*	
		For 28 Gauge, Deduct	*-5.45*	
		For 24 Gauge, Add	*5.43*	
		For 22 Gauge, Add	*10.84*	
		For 20 Gauge, Add	*16.29*	
		For 18 Gauge, Add	*21.64*	
		For 16 Gauge, Add	*26.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*38.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*48.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*67.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*77.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*96.45*	
		For Elevated Installation >40' Above Floor, Add	*106.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	248.42	80.48
		For Work In Restricted Working Space, Add	*60.26*	
		For Seal Class B, Add	*30.13*	
		For Seal Class A, Add	*80.35*	
		For 28 Gauge, Deduct	*-6.58*	
		For 24 Gauge, Add	*6.56*	
		For 22 Gauge, Add	*13.10*	
		For 20 Gauge, Add	*19.68*	
		For 18 Gauge, Add	*26.15*	
		For 16 Gauge, Add	*32.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*40.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*50.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*70.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*80.35*	
		For Elevated Installation >35' To 40' Above Floor, Add	*100.44*	
		For Elevated Installation >40' Above Floor, Add	*110.48*	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	267.10	82.48
		For Work In Restricted Working Space, Add	*61.86*	
		For Seal Class B, Add	*30.93*	
		For Seal Class A, Add	*82.48*	
		For 28 Gauge, Deduct	*-8.44*	
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*16.78*	
		For 20 Gauge, Add	*25.22*	
		For 18 Gauge, Add	*33.50*	
		For 16 Gauge, Add	*41.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*41.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*51.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*72.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*82.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*103.10*	
		For Elevated Installation >40' Above Floor, Add	*113.40*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	53.41	17.96
		For Work In Restricted Working Space, Add	*13.47*	
		For Seal Class B, Add	*6.74*	
		For Seal Class A, Add	*17.96*	
		For 28 Gauge, Deduct	*-1.18*	
		For 24 Gauge, Add	*1.17*	
		For 22 Gauge, Add	*2.34*	
		For 20 Gauge, Add	*3.52*	
		For 18 Gauge, Add	*4.68*	
		For 16 Gauge, Add	*5.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.45*	
		For Elevated Installation >40' Above Floor, Add	*24.70*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	62.62	20.49
		For Work In Restricted Working Space, Add	*15.40*	
		For Seal Class B, Add	*7.70*	
		For Seal Class A, Add	*20.53*	
		For 28 Gauge, Deduct	*-1.57*	
		For 24 Gauge, Add	*1.56*	
		For 22 Gauge, Add	*3.11*	
		For 20 Gauge, Add	*4.68*	
		For 18 Gauge, Add	*6.22*	
		For 16 Gauge, Add	*7.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.66*	
		For Elevated Installation >40' Above Floor, Add	*28.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	72.12	23.95
		For Work In Restricted Working Space, Add	*17.96*	
		For Seal Class B, Add	*8.98*	
		For Seal Class A, Add	*23.94*	
		For 28 Gauge, Deduct	*-1.70*	
		For 24 Gauge, Add	*1.69*	
		For 22 Gauge, Add	*3.38*	
		For 20 Gauge, Add	*5.08*	
		For 18 Gauge, Add	*6.74*	
		For 16 Gauge, Add	*8.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.93*	
		For Elevated Installation >40' Above Floor, Add	*32.92*	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	85.94	28.74
		For Work In Restricted Working Space, Add	*21.55*	
		For Seal Class B, Add	*10.77*	
		For Seal Class A, Add	*28.73*	
		For 28 Gauge, Deduct	*-1.95*	
		For 24 Gauge, Add	*1.95*	
		For 22 Gauge, Add	*3.89*	
		For 20 Gauge, Add	*5.84*	
		For 18 Gauge, Add	*7.76*	
		For 16 Gauge, Add	*9.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.92*	
		For Elevated Installation >40' Above Floor, Add	*39.51*	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	112.62	35.91
		For Work In Restricted Working Space, Add	*26.94*	
		For Seal Class B, Add	*13.47*	
		For Seal Class A, Add	*35.92*	
		For 28 Gauge, Deduct	*-3.16*	
		For 24 Gauge, Add	*3.15*	
		For 22 Gauge, Add	*6.28*	
		For 20 Gauge, Add	*9.44*	
		For 18 Gauge, Add	*12.55*	
		For 16 Gauge, Add	*15.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*44.91*	
		For Elevated Installation >40' Above Floor, Add	*49.40*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	148.83	47.89
		For Work In Restricted Working Space, Add	*35.92*	
		For Seal Class B, Add	*17.96*	
		For Seal Class A, Add	*47.89*	
		For 28 Gauge, Deduct	*-4.03*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*8.02*	
		For 20 Gauge, Add	*12.05*	
		For 18 Gauge, Add	*16.01*	
		For 16 Gauge, Add	*19.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*59.87*	
		For Elevated Installation >40' Above Floor, Add	*65.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	208.66	71.84
		For Work In Restricted Working Space, Add	*53.87*	
		For Seal Class B, Add	*26.93*	
		For Seal Class A, Add	*71.82*	
		For 28 Gauge, Deduct	*-4.03*	
		For 24 Gauge, Add	*4.02*	
		For 22 Gauge, Add	*8.02*	
		For 20 Gauge, Add	*12.05*	
		For 18 Gauge, Add	*16.01*	
		For 16 Gauge, Add	*19.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*71.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*89.78*	
		For Elevated Installation >40' Above Floor, Add	*98.76*	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	284.79	91.53
		For Work In Restricted Working Space, Add	*68.81*	
		For Seal Class B, Add	*34.40*	
		For Seal Class A, Add	*91.74*	
		For 28 Gauge, Deduct	*-7.68*	
		For 24 Gauge, Add	*7.65*	
		For 22 Gauge, Add	*15.27*	
		For 20 Gauge, Add	*22.95*	
		For 18 Gauge, Add	*30.49*	
		For 16 Gauge, Add	*37.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*22.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*80.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*91.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*114.68*	
		For Elevated Installation >40' Above Floor, Add	*126.15*	
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	367.02	116.00
		For Work In Restricted Working Space, Add	*86.76*	
		For Seal Class B, Add	*43.38*	
		For Seal Class A, Add	*115.68*	
		For 28 Gauge, Deduct	*-10.78*	
		For 24 Gauge, Add	*10.74*	
		For 22 Gauge, Add	*21.44*	
		For 20 Gauge, Add	*32.22*	
		For 18 Gauge, Add	*42.80*	
		For 16 Gauge, Add	*52.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*57.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*101.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.60*	
		For Elevated Installation >40' Above Floor, Add	*159.06*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	422.40	129.04
		For Work In Restricted Working Space, Add	*96.98*	
		For Seal Class B, Add	*48.49*	
		For Seal Class A, Add	*129.30*	
		For 28 Gauge, Deduct	*-13.73*	
		For 24 Gauge, Add	*13.68*	
		For 22 Gauge, Add	*27.31*	
		For 20 Gauge, Add	*41.04*	
		For 18 Gauge, Add	*54.53*	
		For 16 Gauge, Add	*66.92*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*73.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*32.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*64.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*80.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*113.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*129.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*161.63*	
		For Elevated Installation >40' Above Floor, Add	*177.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	443.92	133.69
		For Work In Restricted Working Space, Add	*100.17*	
		For Seal Class B, Add	*50.09*	
		For Seal Class A, Add	*133.56*	
		For 28 Gauge, Deduct	*-15.24*	
		For 24 Gauge, Add	*15.18*	
		For 22 Gauge, Add	*30.31*	
		For 20 Gauge, Add	*45.54*	
		For 18 Gauge, Add	*60.51*	
		For 16 Gauge, Add	*74.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*33.39*	
		For Elevated Installation >15' To 20' Above Floor, Add	*66.78*	
		For Elevated Installation >20' To 25' Above Floor, Add	*83.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*116.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*133.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*166.96*	
		For Elevated Installation >40' Above Floor, Add	*183.65*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	24.14	
		For Work In Restricted Working Space, Add	*6.38*	
		For Seal Class B, Add	*3.19*	
		For Seal Class A, Add	*8.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.64*	
		For Elevated Installation >40' Above Floor, Add	*11.70*	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	25.44	
		For Work In Restricted Working Space, Add	*6.71*	
		For Seal Class B, Add	*3.36*	
		For Seal Class A, Add	*8.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.19*	
		For Elevated Installation >40' Above Floor, Add	*12.30*	
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	27.25	
		For Work In Restricted Working Space, Add	*7.19*	
		For Seal Class B, Add	*3.59*	
		For Seal Class A, Add	*9.58*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.98*	
		For Elevated Installation >40' Above Floor, Add	*13.17*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	29.05	
		For Work In Restricted Working Space, Add	*7.58*	
		For Seal Class B, Add	*3.79*	
		For Seal Class A, Add	*10.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.64*	
		For Elevated Installation >40' Above Floor, Add	*13.90*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	31.53	
		For Work In Restricted Working Space, Add	*8.18*	
		For Seal Class B, Add	*4.09*	
		For Seal Class A, Add	*10.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.91*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.64*	
		For Elevated Installation >40' Above Floor, Add	*15.00*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	37.19	
		For Work In Restricted Working Space, Add	*9.14*	
		For Seal Class B, Add	*4.57*	
		For Seal Class A, Add	*12.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.24*	
		For Elevated Installation >40' Above Floor, Add	*16.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	50.68	
		For Work In Restricted Working Space, Add	*12.77*	
		For Seal Class B, Add	*6.39*	
		For Seal Class A, Add	*17.03*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.29*	
		For Elevated Installation >40' Above Floor, Add	*23.42*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	57.86	
		For Work In Restricted Working Space, Add	*14.53*	
		For Seal Class B, Add	*7.27*	
		For Seal Class A, Add	*19.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	63.64	
		For Work In Restricted Working Space, Add	*15.93*	
		For Seal Class B, Add	*7.96*	
		For Seal Class A, Add	*21.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.27*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.55*	
		For Elevated Installation >40' Above Floor, Add	*29.20*	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	69.26	
		For Work In Restricted Working Space, Add	*17.24*	
		For Seal Class B, Add	*8.62*	
		For Seal Class A, Add	*22.99*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.74*	
		For Elevated Installation >40' Above Floor, Add	*31.61*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	75.45	
		For Work In Restricted Working Space, Add	*18.80*	
		For Seal Class B, Add	*9.40*	
		For Seal Class A, Add	*25.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.33*	
		For Elevated Installation >40' Above Floor, Add	*34.46*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	11.22	1.23
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*2.13*	
		For 20 Gauge, Add	*3.48*	
		For 18 Gauge, Add	*5.34*	
		For 16 Gauge, Add	*6.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.43*	
		For Work In Restricted Working Space, Add	*1.97*	
		For Seal Class B, Add	*0.99*	
		For Seal Class A, Add	*2.63*	
		For Up To 20', Add	*1.39*	
		For >20' To 50', Add	*0.56*	
		For >200' To 500', Deduct	*-0.35*	
		For >500', Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	14.60	2.46
		For 24 Gauge, Add	*1.34*	
		For 22 Gauge, Add	*3.09*	
		For 20 Gauge, Add	*5.03*	
		For 18 Gauge, Add	*7.72*	
		For 16 Gauge, Add	*9.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.97*	
		For Work In Restricted Working Space, Add	*2.37*	
		For Seal Class B, Add	*1.18*	
		For Seal Class A, Add	*3.16*	
		For Up To 20', Add	*2.01*	
		For >20' To 50', Add	*0.81*	
		For >200' To 500', Deduct	*-0.50*	
		For >500', Deduct	*-0.84*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	18.63	2.46
		For 24 Gauge, Add	*1.77*	
		For 22 Gauge, Add	*4.07*	
		For 20 Gauge, Add	*6.63*	
		For 18 Gauge, Add	*10.17*	
		For 16 Gauge, Add	*12.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.54*	
		For Work In Restricted Working Space, Add	*2.94*	
		For Seal Class B, Add	*1.47*	
		For Seal Class A, Add	*3.92*	
		For Up To 20', Add	*2.65*	
		For >20' To 50', Add	*1.06*	
		For >200' To 500', Deduct	*-0.66*	
		For >500', Deduct	*-1.11*	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	22.68	2.46
		For 24 Gauge, Add	*2.18*	
		For 22 Gauge, Add	*5.02*	
		For 20 Gauge, Add	*8.19*	
		For 18 Gauge, Add	*12.56*	
		For 16 Gauge, Add	*15.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.08*	
		For Work In Restricted Working Space, Add	*3.53*	
		For Seal Class B, Add	*1.76*	
		For Seal Class A, Add	*4.70*	
		For Up To 20', Add	*3.28*	
		For >20' To 50', Add	*1.31*	
		For >200' To 500', Deduct	*-0.82*	
		For >500', Deduct	*-1.37*	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	28.16	3.68
		For 24 Gauge, Add	*2.69*	
		For 22 Gauge, Add	*6.18*	
		For 20 Gauge, Add	*10.07*	
		For 18 Gauge, Add	*15.44*	
		For 16 Gauge, Add	*18.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.94*	
		For Work In Restricted Working Space, Add	*4.42*	
		For Seal Class B, Add	*2.21*	
		For Seal Class A, Add	*5.89*	
		For Up To 20', Add	*4.03*	
		For >20' To 50', Add	*1.61*	
		For >200' To 500', Deduct	*-1.01*	
		For >500', Deduct	*-1.68*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	33.96	3.68
		For 24 Gauge, Add	*3.11*	
		For 22 Gauge, Add	*7.15*	
		For 20 Gauge, Add	*11.66*	
		For 18 Gauge, Add	*17.88*	
		For 16 Gauge, Add	*21.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.51*	
		For Work In Restricted Working Space, Add	*5.52*	
		For Seal Class B, Add	*2.76*	
		For Seal Class A, Add	*7.36*	
		For Up To 20', Add	*4.67*	
		For >20' To 50', Add	*1.87*	
		For >200' To 500', Deduct	*-1.17*	
		For >500', Deduct	*-1.94*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	47.11	3.68
		For 24 Gauge, Add	*4.52*	
		For 22 Gauge, Add	*10.39*	
		For 20 Gauge, Add	*16.94*	
		For 18 Gauge, Add	*25.98*	
		For 16 Gauge, Add	*31.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.72*	
		For Work In Restricted Working Space, Add	*7.36*	
		For Seal Class B, Add	*3.68*	
		For Seal Class A, Add	*9.81*	
		For Up To 20', Add	*6.78*	
		For >20' To 50', Add	*2.71*	
		For >200' To 500', Deduct	*-1.69*	
		For >500', Deduct	*-2.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	53.62	4.91
		For 24 Gauge, Add	*5.01*	
		For 22 Gauge, Add	*11.52*	
		For 20 Gauge, Add	*18.79*	
		For 18 Gauge, Add	*28.81*	
		For 16 Gauge, Add	*35.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.54*	
		For Work In Restricted Working Space, Add	*8.57*	
		For Seal Class B, Add	*4.29*	
		For Seal Class A, Add	*11.43*	
		For Up To 20', Add	*7.52*	
		For >20' To 50', Add	*3.01*	
		For >200' To 500', Deduct	*-1.88*	
		For >500', Deduct	*-3.13*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	60.39	4.91
		For 24 Gauge, Add	*5.59*	
		For 22 Gauge, Add	*12.85*	
		For 20 Gauge, Add	*20.96*	
		For 18 Gauge, Add	*32.13*	
		For 16 Gauge, Add	*39.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.68*	
		For Work In Restricted Working Space, Add	*9.74*	
		For Seal Class B, Add	*4.87*	
		For Seal Class A, Add	*12.98*	
		For Up To 20', Add	*8.38*	
		For >20' To 50', Add	*3.35*	
		For >200' To 500', Deduct	*-2.10*	
		For >500', Deduct	*-3.49*	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	67.44	6.14
		For 24 Gauge, Add	*6.18*	
		For 22 Gauge, Add	*14.21*	
		For 20 Gauge, Add	*23.17*	
		For 18 Gauge, Add	*35.52*	
		For 16 Gauge, Add	*43.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.86*	
		For Work In Restricted Working Space, Add	*10.97*	
		For Seal Class B, Add	*5.48*	
		For Seal Class A, Add	*14.62*	
		For Up To 20', Add	*9.27*	
		For >20' To 50', Add	*3.71*	
		For >200' To 500', Deduct	*-2.32*	
		For >500', Deduct	*-3.86*	
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	74.46	7.37
		For 24 Gauge, Add	*6.71*	
		For 22 Gauge, Add	*15.44*	
		For 20 Gauge, Add	*25.17*	
		For 18 Gauge, Add	*38.59*	
		For 16 Gauge, Add	*46.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.83*	
		For Work In Restricted Working Space, Add	*12.27*	
		For Seal Class B, Add	*6.14*	
		For Seal Class A, Add	*16.36*	
		For Up To 20', Add	*10.07*	
		For >20' To 50', Add	*4.03*	
		For >200' To 500', Deduct	*-2.52*	
		For >500', Deduct	*-4.20*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	88.51	17.18
		For 24 Gauge, Add	*4.44*	
		For 22 Gauge, Add	*10.20*	
		For 20 Gauge, Add	*16.64*	
		For 18 Gauge, Add	*25.51*	
		For 16 Gauge, Add	*31.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*19.90*	
		For Seal Class B, Add	*9.95*	
		For Seal Class A, Add	*26.53*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	129.66	24.54
		For 24 Gauge, Add	*6.30*	
		For 22 Gauge, Add	*14.48*	
		For 20 Gauge, Add	*23.61*	
		For 18 Gauge, Add	*36.20*	
		For 16 Gauge, Add	*44.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.30*	
		For Work In Restricted Working Space, Add	*29.45*	
		For Seal Class B, Add	*14.73*	
		For Seal Class A, Add	*39.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	189.23	31.91
		For 24 Gauge, Add	*12.01*	
		For 22 Gauge, Add	*27.62*	
		For 20 Gauge, Add	*45.03*	
		For 18 Gauge, Add	*69.05*	
		For 16 Gauge, Add	*84.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.43*	
		For Work In Restricted Working Space, Add	*38.76*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*51.68*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	234.32	40.50
		For 24 Gauge, Add	*14.14*	
		For 22 Gauge, Add	*32.52*	
		For 20 Gauge, Add	*53.02*	
		For 18 Gauge, Add	*81.29*	
		For 16 Gauge, Add	*98.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.31*	
		For Work In Restricted Working Space, Add	*49.09*	
		For Seal Class B, Add	*24.54*	
		For Seal Class A, Add	*65.45*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	287.55	51.55
		For 24 Gauge, Add	*16.60*	
		For 22 Gauge, Add	*38.18*	
		For 20 Gauge, Add	*62.26*	
		For 18 Gauge, Add	*95.46*	
		For 16 Gauge, Add	*116.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*61.43*	
		For Work In Restricted Working Space, Add	*61.36*	
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*81.82*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	315.53	56.45
		For 24 Gauge, Add	*18.48*	
		For 22 Gauge, Add	*42.50*	
		For 20 Gauge, Add	*69.30*	
		For 18 Gauge, Add	*106.26*	
		For 16 Gauge, Add	*129.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.38*	
		For Work In Restricted Working Space, Add	*66.94*	
		For Seal Class B, Add	*33.47*	
		For Seal Class A, Add	*89.25*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	372.06	66.27
		For 24 Gauge, Add	*21.63*	
		For 22 Gauge, Add	*49.74*	
		For 20 Gauge, Add	*81.11*	
		For 18 Gauge, Add	*124.36*	
		For 16 Gauge, Add	*151.40*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*80.02*	
		For Work In Restricted Working Space, Add	*79.18*	
		For Seal Class B, Add	*39.59*	
		For Seal Class A, Add	*105.57*	
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	451.70	82.23
		For 24 Gauge, Add	*24.89*	
		For 22 Gauge, Add	*57.24*	
		For 20 Gauge, Add	*93.33*	
		For 18 Gauge, Add	*143.11*	
		For 16 Gauge, Add	*174.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.09*	
		For Work In Restricted Working Space, Add	*98.18*	
		For Seal Class B, Add	*49.09*	
		For Seal Class A, Add	*130.90*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	542.77	99.40
		For 24 Gauge, Add	*29.38*	
		For 22 Gauge, Add	*67.57*	
		For 20 Gauge, Add	*110.17*	
		For 18 Gauge, Add	*168.92*	
		For 16 Gauge, Add	*205.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*108.70*	
		For Work In Restricted Working Space, Add	*118.76*	
		For Seal Class B, Add	*59.38*	
		For Seal Class A, Add	*158.35*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	629.80	115.36
		For 24 Gauge, Add	*33.34*	
		For 22 Gauge, Add	*76.68*	
		For 20 Gauge, Add	*125.03*	
		For 18 Gauge, Add	*191.71*	
		For 16 Gauge, Add	*233.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*123.36*	
		For Work In Restricted Working Space, Add	*138.93*	
		For Seal Class B, Add	*69.47*	
		For Seal Class A, Add	*185.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	727.96	131.31
		For 24 Gauge, Add	*41.15*	
		For 22 Gauge, Add	*94.64*	
		For 20 Gauge, Add	*154.30*	
		For 18 Gauge, Add	*236.59*	
		For 16 Gauge, Add	*288.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*152.24*	
		For Work In Restricted Working Space, Add	*156.67*	
		For Seal Class B, Add	*78.33*	
		For Seal Class A, Add	*208.89*	
23 31 13 16-0099		Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*		
23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	89.55	17.18
		For 24 Gauge, Add	*4.64*	
		For 22 Gauge, Add	*10.68*	
		For 20 Gauge, Add	*17.42*	
		For 18 Gauge, Add	*26.70*	
		For 16 Gauge, Add	*32.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.18*	
		For Work In Restricted Working Space, Add	*19.90*	
		For Seal Class B, Add	*9.95*	
		For Seal Class A, Add	*26.53*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	124.26	24.54
		For 24 Gauge, Add	*5.22*	
		For 22 Gauge, Add	*12.00*	
		For 20 Gauge, Add	*19.56*	
		For 18 Gauge, Add	*29.99*	
		For 16 Gauge, Add	*36.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.30*	
		For Work In Restricted Working Space, Add	*29.45*	
		For Seal Class B, Add	*14.73*	
		For Seal Class A, Add	*39.27*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	164.17	31.91
		For 24 Gauge, Add	*7.00*	
		For 22 Gauge, Add	*16.09*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*40.23*	
		For 16 Gauge, Add	*48.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.89*	
		For Work In Restricted Working Space, Add	*38.76*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*51.68*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	207.35	40.50
		For 24 Gauge, Add	*8.74*	
		For 22 Gauge, Add	*20.11*	
		For 20 Gauge, Add	*32.79*	
		For 18 Gauge, Add	*50.28*	
		For 16 Gauge, Add	*61.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.35*	
		For Work In Restricted Working Space, Add	*49.09*	
		For Seal Class B, Add	*24.54*	
		For Seal Class A, Add	*65.45*	
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	255.35	51.55
		For 24 Gauge, Add	*10.16*	
		For 22 Gauge, Add	*23.37*	
		For 20 Gauge, Add	*38.11*	
		For 18 Gauge, Add	*58.43*	
		For 16 Gauge, Add	*71.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.60*	
		For Work In Restricted Working Space, Add	*61.36*	
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*81.82*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	279.61	56.45
		For 24 Gauge, Add	*11.30*	
		For 22 Gauge, Add	*25.98*	
		For 20 Gauge, Add	*42.36*	
		For 18 Gauge, Add	*64.95*	
		For 16 Gauge, Add	*79.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.80*	
		For Work In Restricted Working Space, Add	*66.94*	
		For Seal Class B, Add	*33.47*	
		For Seal Class A, Add	*89.25*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	356.51	66.27
		For 24 Gauge, Add	*18.52*	
		For 22 Gauge, Add	*42.59*	
		For 20 Gauge, Add	*69.44*	
		For 18 Gauge, Add	*106.48*	
		For 16 Gauge, Add	*129.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.52*	
		For Work In Restricted Working Space, Add	*79.18*	
		For Seal Class B, Add	*39.59*	
		For Seal Class A, Add	*105.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	440.68	82.23
		For 24 Gauge, Add	*22.68*	
		For 22 Gauge, Add	*52.17*	
		For 20 Gauge, Add	*85.07*	
		For 18 Gauge, Add	*130.43*	
		For 16 Gauge, Add	*158.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.93*	
		For Work In Restricted Working Space, Add	*98.18*	
		For Seal Class B, Add	*49.09*	
		For Seal Class A, Add	*130.90*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	539.39	99.40
		For 24 Gauge, Add	*28.70*	
		For 22 Gauge, Add	*66.01*	
		For 20 Gauge, Add	*107.63*	
		For 18 Gauge, Add	*165.04*	
		For 16 Gauge, Add	*200.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*106.20*	
		For Work In Restricted Working Space, Add	*118.76*	
		For Seal Class B, Add	*59.38*	
		For Seal Class A, Add	*158.35*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	591.57	115.36
		For 24 Gauge, Add	*25.69*	
		For 22 Gauge, Add	*59.10*	
		For 20 Gauge, Add	*96.35*	
		For 18 Gauge, Add	*147.74*	
		For 16 Gauge, Add	*179.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*95.07*	
		For Work In Restricted Working Space, Add	*138.93*	
		For Seal Class B, Add	*69.47*	
		For Seal Class A, Add	*185.24*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	714.35	131.31
		For 24 Gauge, Add	*38.42*	
		For 22 Gauge, Add	*88.38*	
		For 20 Gauge, Add	*144.09*	
		For 18 Gauge, Add	*220.94*	
		For 16 Gauge, Add	*268.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*142.17*	
		For Work In Restricted Working Space, Add	*156.67*	
		For Seal Class B, Add	*78.33*	
		For Seal Class A, Add	*208.89*	
23 31 13 16-0111		Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*		
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	179.09	31.91
		For 24 Gauge, Add	*9.98*	
		For 22 Gauge, Add	*22.95*	
		For 20 Gauge, Add	*37.43*	
		For 18 Gauge, Add	*57.39*	
		For 16 Gauge, Add	*69.86*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.93*	
		For Work In Restricted Working Space, Add	*38.76*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*51.68*	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	256.86	51.55
		For 24 Gauge, Add	*10.46*	
		For 22 Gauge, Add	*24.07*	
		For 20 Gauge, Add	*39.24*	
		For 18 Gauge, Add	*60.17*	
		For 16 Gauge, Add	*73.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.72*	
		For Work In Restricted Working Space, Add	*61.36*	
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*81.82*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	321.36	66.27
		For 24 Gauge, Add	*11.49*	
		For 22 Gauge, Add	*26.42*	
		For 20 Gauge, Add	*43.08*	
		For 18 Gauge, Add	*66.06*	
		For 16 Gauge, Add	*80.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.51*	
		For Work In Restricted Working Space, Add	*79.18*	
		For Seal Class B, Add	*39.59*	
		For Seal Class A, Add	*105.57*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	387.26	82.23
		For 24 Gauge, Add	*12.00*	
		For 22 Gauge, Add	*27.60*	
		For 20 Gauge, Add	*45.00*	
		For 18 Gauge, Add	*69.00*	
		For 16 Gauge, Add	*84.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*44.40*	
		For Work In Restricted Working Space, Add	*98.18*	
		For Seal Class B, Add	*49.09*	
		For Seal Class A, Add	*130.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	457.84	99.40
		For 24 Gauge, Add	*12.39*	
		For 22 Gauge, Add	*28.50*	
		For 20 Gauge, Add	*46.47*	
		For 18 Gauge, Add	*71.25*	
		For 16 Gauge, Add	*86.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.85*	
		For Work In Restricted Working Space, Add	*118.76*	
		For Seal Class B, Add	*59.38*	
		For Seal Class A, Add	*158.35*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	530.49	115.36
		For 24 Gauge, Add	*13.48*	
		For 22 Gauge, Add	*31.00*	
		For 20 Gauge, Add	*50.54*	
		For 18 Gauge, Add	*77.50*	
		For 16 Gauge, Add	*94.35*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.87*	
		For Work In Restricted Working Space, Add	*138.93*	
		For Seal Class B, Add	*69.47*	
		For Seal Class A, Add	*185.24*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	592.33	131.31
		For 24 Gauge, Add	*14.02*	
		For 22 Gauge, Add	*32.25*	
		For 20 Gauge, Add	*52.58*	
		For 18 Gauge, Add	*80.62*	
		For 16 Gauge, Add	*98.14*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.87*	
		For Work In Restricted Working Space, Add	*156.67*	
		For Seal Class B, Add	*78.33*	
		For Seal Class A, Add	*208.89*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	671.32	149.72
		For 24 Gauge, Add	*14.53*	
		For 22 Gauge, Add	*33.43*	
		For 20 Gauge, Add	*54.50*	
		For 18 Gauge, Add	*83.57*	
		For 16 Gauge, Add	*101.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*53.78*	
		For Work In Restricted Working Space, Add	*179.60*	
		For Seal Class B, Add	*89.80*	
		For Seal Class A, Add	*239.46*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	750.80	165.68
		For 24 Gauge, Add	*17.49*	
		For 22 Gauge, Add	*40.22*	
		For 20 Gauge, Add	*65.58*	
		For 18 Gauge, Add	*100.56*	
		For 16 Gauge, Add	*122.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.71*	
		For Work In Restricted Working Space, Add	*199.01*	
		For Seal Class B, Add	*99.50*	
		For Seal Class A, Add	*265.34*	
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	812.21	180.40
		For 24 Gauge, Add	*18.06*	
		For 22 Gauge, Add	*41.54*	
		For 20 Gauge, Add	*67.73*	
		For 18 Gauge, Add	*103.86*	
		For 16 Gauge, Add	*126.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.83*	
		For Work In Restricted Working Space, Add	*216.57*	
		For Seal Class B, Add	*108.29*	
		For Seal Class A, Add	*288.76*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	266.44	55.59
		For 24 Gauge, Add	*8.79*	
		For 22 Gauge, Add	*20.22*	
		For 20 Gauge, Add	*32.96*	
		For 18 Gauge, Add	*50.54*	
		For 16 Gauge, Add	*61.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.52*	
		For Work In Restricted Working Space, Add	*66.75*	
		For Seal Class B, Add	*33.37*	
		For Seal Class A, Add	*89.00*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	322.99	66.89
		For 24 Gauge, Add	*11.10*	
		For 22 Gauge, Add	*25.53*	
		For 20 Gauge, Add	*41.63*	
		For 18 Gauge, Add	*63.83*	
		For 16 Gauge, Add	*77.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.07*	
		For Work In Restricted Working Space, Add	*80.25*	
		For Seal Class B, Add	*40.12*	
		For Seal Class A, Add	*107.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	392.38	81.24
		For 24 Gauge, Add	*13.47*	
		For 22 Gauge, Add	*30.99*	
		For 20 Gauge, Add	*50.53*	
		For 18 Gauge, Add	*77.48*	
		For 16 Gauge, Add	*94.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.85*	
		For Work In Restricted Working Space, Add	*97.50*	
		For Seal Class B, Add	*48.75*	
		For Seal Class A, Add	*130.00*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	467.11	96.58
		For 24 Gauge, Add	*16.04*	
		For 22 Gauge, Add	*36.90*	
		For 20 Gauge, Add	*60.17*	
		For 18 Gauge, Add	*92.25*	
		For 16 Gauge, Add	*112.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.36*	
		For Work In Restricted Working Space, Add	*116.07*	
		For Seal Class B, Add	*58.03*	
		For Seal Class A, Add	*154.76*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	589.43	124.19
		For 24 Gauge, Add	*18.60*	
		For 22 Gauge, Add	*42.77*	
		For 20 Gauge, Add	*69.74*	
		For 18 Gauge, Add	*106.93*	
		For 16 Gauge, Add	*130.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*68.81*	
		For Work In Restricted Working Space, Add	*148.94*	
		For Seal Class B, Add	*74.47*	
		For Seal Class A, Add	*198.58*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	655.02	137.82
		For 24 Gauge, Add	*20.84*	
		For 22 Gauge, Add	*47.93*	
		For 20 Gauge, Add	*78.15*	
		For 18 Gauge, Add	*119.83*	
		For 16 Gauge, Add	*145.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*77.11*	
		For Work In Restricted Working Space, Add	*165.25*	
		For Seal Class B, Add	*82.62*	
		For Seal Class A, Add	*220.33*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	744.74	156.84
		For 24 Gauge, Add	*23.72*	
		For 22 Gauge, Add	*54.56*	
		For 20 Gauge, Add	*88.95*	
		For 18 Gauge, Add	*136.39*	
		For 16 Gauge, Add	*166.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*87.76*	
		For Work In Restricted Working Space, Add	*187.84*	
		For Seal Class B, Add	*93.92*	
		For Seal Class A, Add	*250.46*	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	800.62	167.28
		For 24 Gauge, Add	*26.44*	
		For 22 Gauge, Add	*60.81*	
		For 20 Gauge, Add	*99.14*	
		For 18 Gauge, Add	*152.02*	
		For 16 Gauge, Add	*185.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*97.82*	
		For Work In Restricted Working Space, Add	*200.53*	
		For Seal Class B, Add	*100.26*	
		For Seal Class A, Add	*267.37*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	868.55	181.39
		For 24 Gauge, Add	*28.65*	
		For 22 Gauge, Add	*65.89*	
		For 20 Gauge, Add	*107.43*	
		For 18 Gauge, Add	*164.73*	
		For 16 Gauge, Add	*200.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*106.00*	
		For Work In Restricted Working Space, Add	*217.59*	
		For Seal Class B, Add	*108.80*	
		For Seal Class A, Add	*290.12*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	352.60	73.63
		For 24 Gauge, Add	*11.69*	
		For 22 Gauge, Add	*26.88*	
		For 20 Gauge, Add	*43.83*	
		For 18 Gauge, Add	*67.21*	
		For 16 Gauge, Add	*81.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.25*	
		For Work In Restricted Working Space, Add	*88.25*	
		For Seal Class B, Add	*44.12*	
		For Seal Class A, Add	*117.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	428.46	89.59
		For 24 Gauge, Add	*14.18*	
		For 22 Gauge, Add	*32.60*	
		For 20 Gauge, Add	*53.16*	
		For 18 Gauge, Add	*81.51*	
		For 16 Gauge, Add	*99.23*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.45*	
		For Work In Restricted Working Space, Add	*107.27*	
		For Seal Class B, Add	*53.64*	
		For Seal Class A, Add	*143.03*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	510.00	106.16
		For 24 Gauge, Add	*16.89*	
		For 22 Gauge, Add	*38.86*	
		For 20 Gauge, Add	*63.35*	
		For 18 Gauge, Add	*97.14*	
		For 16 Gauge, Add	*118.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.51*	
		For Work In Restricted Working Space, Add	*127.66*	
		For Seal Class B, Add	*63.83*	
		For Seal Class A, Add	*170.21*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	591.96	123.70
		For 24 Gauge, Add	*19.58*	
		For 22 Gauge, Add	*45.03*	
		For 20 Gauge, Add	*73.43*	
		For 18 Gauge, Add	*112.59*	
		For 16 Gauge, Add	*137.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*72.45*	
		For Work In Restricted Working Space, Add	*148.22*	
		For Seal Class B, Add	*74.11*	
		For Seal Class A, Add	*197.62*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	662.49	138.31
		For 24 Gauge, Add	*21.94*	
		For 22 Gauge, Add	*50.45*	
		For 20 Gauge, Add	*82.26*	
		For 18 Gauge, Add	*126.13*	
		For 16 Gauge, Add	*153.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*81.16*	
		For Work In Restricted Working Space, Add	*165.84*	
		For Seal Class B, Add	*82.92*	
		For Seal Class A, Add	*221.12*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	753.53	157.33
		For 24 Gauge, Add	*24.96*	
		For 22 Gauge, Add	*57.42*	
		For 20 Gauge, Add	*93.62*	
		For 18 Gauge, Add	*143.54*	
		For 16 Gauge, Add	*174.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*92.37*	
		For Work In Restricted Working Space, Add	*188.61*	
		For Seal Class B, Add	*94.31*	
		For Seal Class A, Add	*251.48*	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	841.23	175.49
		For 24 Gauge, Add	*27.83*	
		For 22 Gauge, Add	*64.01*	
		For 20 Gauge, Add	*104.36*	
		For 18 Gauge, Add	*160.02*	
		For 16 Gauge, Add	*194.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*102.97*	
		For Work In Restricted Working Space, Add	*210.62*	
		For Seal Class B, Add	*105.31*	
		For Seal Class A, Add	*280.83*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	912.08	190.47
		For 24 Gauge, Add	*30.15*	
		For 22 Gauge, Add	*69.35*	
		For 20 Gauge, Add	*113.08*	
		For 18 Gauge, Add	*173.39*	
		For 16 Gauge, Add	*211.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*111.57*	
		For Work In Restricted Working Space, Add	*228.39*	
		For Seal Class B, Add	*114.20*	
		For Seal Class A, Add	*304.52*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	116.12	24.54
		For 24 Gauge, Add	*3.59*	
		For 22 Gauge, Add	*8.25*	
		For 20 Gauge, Add	*13.46*	
		For 18 Gauge, Add	*20.63*	
		For 16 Gauge, Add	*25.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.28*	
		For Work In Restricted Working Space, Add	*29.45*	
		For Seal Class B, Add	*14.73*	
		For Seal Class A, Add	*39.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	148.94	31.91
		For 24 Gauge, Add	*3.95*	
		For 22 Gauge, Add	*9.09*	
		For 20 Gauge, Add	*14.81*	
		For 18 Gauge, Add	*22.71*	
		For 16 Gauge, Add	*27.65*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.62*	
		For Work In Restricted Working Space, Add	*38.76*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*51.68*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	185.49	40.50
		For 24 Gauge, Add	*4.37*	
		For 22 Gauge, Add	*10.06*	
		For 20 Gauge, Add	*16.40*	
		For 18 Gauge, Add	*25.14*	
		For 16 Gauge, Add	*30.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.18*	
		For Work In Restricted Working Space, Add	*49.09*	
		For Seal Class B, Add	*24.54*	
		For Seal Class A, Add	*65.45*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	228.51	51.55
		For 24 Gauge, Add	*4.79*	
		For 22 Gauge, Add	*11.03*	
		For 20 Gauge, Add	*17.98*	
		For 18 Gauge, Add	*27.57*	
		For 16 Gauge, Add	*33.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.74*	
		For Work In Restricted Working Space, Add	*61.36*	
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*81.82*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	249.82	56.45
		For 24 Gauge, Add	*5.34*	
		For 22 Gauge, Add	*12.28*	
		For 20 Gauge, Add	*20.02*	
		For 18 Gauge, Add	*30.69*	
		For 16 Gauge, Add	*37.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*19.75*	
		For Work In Restricted Working Space, Add	*66.94*	
		For Seal Class B, Add	*33.47*	
		For Seal Class A, Add	*89.25*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	310.05	66.27
		For 24 Gauge, Add	*9.23*	
		For 22 Gauge, Add	*21.22*	
		For 20 Gauge, Add	*34.60*	
		For 18 Gauge, Add	*53.05*	
		For 16 Gauge, Add	*64.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.14*	
		For Work In Restricted Working Space, Add	*79.18*	
		For Seal Class B, Add	*39.59*	
		For Seal Class A, Add	*105.57*	
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	376.56	82.23
		For 24 Gauge, Add	*9.86*	
		For 22 Gauge, Add	*22.68*	
		For 20 Gauge, Add	*36.98*	
		For 18 Gauge, Add	*56.70*	
		For 16 Gauge, Add	*69.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.48*	
		For Work In Restricted Working Space, Add	*98.18*	
		For Seal Class B, Add	*49.09*	
		For Seal Class A, Add	*130.90*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	448.50	99.40
		For 24 Gauge, Add	*10.52*	
		For 22 Gauge, Add	*24.21*	
		For 20 Gauge, Add	*39.47*	
		For 18 Gauge, Add	*60.51*	
		For 16 Gauge, Add	*73.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*38.94*	
		For Work In Restricted Working Space, Add	*118.76*	
		For Seal Class B, Add	*59.38*	
		For Seal Class A, Add	*158.35*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	519.03	115.36
		For 24 Gauge, Add	*11.19*	
		For 22 Gauge, Add	*25.73*	
		For 20 Gauge, Add	*41.95*	
		For 18 Gauge, Add	*64.32*	
		For 16 Gauge, Add	*78.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.39*	
		For Work In Restricted Working Space, Add	*138.93*	
		For Seal Class B, Add	*69.47*	
		For Seal Class A, Add	*185.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	581.18	131.31
		For 24 Gauge, Add	*11.79*	
		For 22 Gauge, Add	*27.12*	
		For 20 Gauge, Add	*44.21*	
		For 18 Gauge, Add	*67.79*	
		For 16 Gauge, Add	*82.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.62*	
		For Work In Restricted Working Space, Add	*156.67*	
		For Seal Class B, Add	*78.33*	
		For Seal Class A, Add	*208.89*	

23 31 13 16-0150 Slip Joint, Galvanized, Spiral Duct Couplings *(23 31 13 16-0074)*

23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	74.82	17.18
		For 24 Gauge, Add	*1.70*	
		For 22 Gauge, Add	*3.91*	
		For 20 Gauge, Add	*6.37*	
		For 18 Gauge, Add	*9.76*	
		For 16 Gauge, Add	*11.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.28*	
		For Work In Restricted Working Space, Add	*19.90*	
		For Seal Class B, Add	*9.95*	
		For Seal Class A, Add	*26.53*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	107.83	24.54
		For 24 Gauge, Add	*1.93*	
		For 22 Gauge, Add	*4.44*	
		For 20 Gauge, Add	*7.24*	
		For 18 Gauge, Add	*11.10*	
		For 16 Gauge, Add	*13.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.14*	
		For Work In Restricted Working Space, Add	*29.45*	
		For Seal Class B, Add	*14.73*	
		For Seal Class A, Add	*39.27*	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	139.59	31.91
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.78*	
		For 20 Gauge, Add	*7.80*	
		For 18 Gauge, Add	*11.96*	
		For 16 Gauge, Add	*14.56*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.70*	
		For Work In Restricted Working Space, Add	*38.76*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*51.68*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	174.79	40.50
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.13*	
		For 20 Gauge, Add	*8.37*	
		For 18 Gauge, Add	*12.83*	
		For 16 Gauge, Add	*15.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.09*	
		For Seal Class B, Add	*24.54*	
		For Seal Class A, Add	*65.45*	
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	216.45	51.55
		For 24 Gauge, Add	*2.38*	
		For 22 Gauge, Add	*5.48*	
		For 20 Gauge, Add	*8.93*	
		For 18 Gauge, Add	*13.70*	
		For 16 Gauge, Add	*16.67*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*61.36*	
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*81.82*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	235.79	56.45
		For 24 Gauge, Add	*2.53*	
		For 22 Gauge, Add	*5.82*	
		For 20 Gauge, Add	*9.50*	
		For 18 Gauge, Add	*14.56*	
		For 16 Gauge, Add	*17.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.37*	
		For Work In Restricted Working Space, Add	*66.94*	
		For Seal Class B, Add	*33.47*	
		For Seal Class A, Add	*89.25*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	277.94	66.27
		For 24 Gauge, Add	*2.80*	
		For 22 Gauge, Add	*6.45*	
		For 20 Gauge, Add	*10.52*	
		For 18 Gauge, Add	*16.12*	
		For 16 Gauge, Add	*19.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.37*	
		For Work In Restricted Working Space, Add	*79.18*	
		For Seal Class B, Add	*39.59*	
		For Seal Class A, Add	*105.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	342.03	82.23
		For 24 Gauge, Add	*2.95*	
		For 22 Gauge, Add	*6.79*	
		For 20 Gauge, Add	*11.08*	
		For 18 Gauge, Add	*16.99*	
		For 16 Gauge, Add	*20.68*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.93*	
		For Work In Restricted Working Space, Add	*98.18*	
		For Seal Class B, Add	*49.09*	
		For Seal Class A, Add	*130.90*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	411.56	99.40
		For 24 Gauge, Add	*3.14*	
		For 22 Gauge, Add	*7.21*	
		For 20 Gauge, Add	*11.76*	
		For 18 Gauge, Add	*18.03*	
		For 16 Gauge, Add	*21.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.60*	
		For Work In Restricted Working Space, Add	*118.76*	
		For Seal Class B, Add	*59.38*	
		For Seal Class A, Add	*158.35*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	479.38	231.95
		For 24 Gauge, Add	*3.26*	
		For 22 Gauge, Add	*7.49*	
		For 20 Gauge, Add	*12.21*	
		For 18 Gauge, Add	*18.72*	
		For 16 Gauge, Add	*22.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.05*	
		For Work In Restricted Working Space, Add	*138.93*	
		For Seal Class B, Add	*69.47*	
		For Seal Class A, Add	*185.24*	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	539.42	261.40
		For 24 Gauge, Add	*3.44*	
		For 22 Gauge, Add	*7.91*	
		For 20 Gauge, Add	*12.89*	
		For 18 Gauge, Add	*19.77*	
		For 16 Gauge, Add	*24.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.72*	
		For Work In Restricted Working Space, Add	*156.67*	
		For Seal Class B, Add	*78.33*	
		For Seal Class A, Add	*208.89*	

23 31 13 16-0162 Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*

23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	43.12	17.18
		For 24 Gauge, Add	*1.99*	
		For 22 Gauge, Add	*4.58*	
		For 20 Gauge, Add	*7.46*	
		For 18 Gauge, Add	*11.44*	
		For 16 Gauge, Add	*13.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.36*	
		For Work In Restricted Working Space, Add	*9.95*	
		For Seal Class B, Add	*4.98*	
		For Seal Class A, Add	*13.27*	
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	60.25	24.54
		For 24 Gauge, Add	*2.23*	
		For 22 Gauge, Add	*5.13*	
		For 20 Gauge, Add	*8.37*	
		For 18 Gauge, Add	*12.83*	
		For 16 Gauge, Add	*15.62*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.26*	
		For Work In Restricted Working Space, Add	*14.73*	
		For Seal Class B, Add	*7.36*	
		For Seal Class A, Add	*19.64*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	76.80	33.14
		For 24 Gauge, Add	*2.44*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*9.16*	
		For 18 Gauge, Add	*14.04*	
		For 16 Gauge, Add	*17.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.04*	
		For Work In Restricted Working Space, Add	*19.38*	
		For Seal Class B, Add	*9.69*	
		For Seal Class A, Add	*25.84*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	95.39	41.72
		For 24 Gauge, Add	*2.71*	
		For 22 Gauge, Add	*6.24*	
		For 20 Gauge, Add	*10.18*	
		For 18 Gauge, Add	*15.61*	
		For 16 Gauge, Add	*19.00*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.04*	
		For Work In Restricted Working Space, Add	*24.55*	
		For Seal Class B, Add	*12.27*	
		For Seal Class A, Add	*32.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	117.35	51.55
		For 24 Gauge, Add	*3.02*	
		For 22 Gauge, Add	*6.94*	
		For 20 Gauge, Add	*11.31*	
		For 18 Gauge, Add	*17.34*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.16*	
		For Work In Restricted Working Space, Add	*30.68*	
		For Seal Class B, Add	*15.34*	
		For Seal Class A, Add	*40.91*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	128.15	56.45
		For 24 Gauge, Add	*3.32*	
		For 22 Gauge, Add	*7.63*	
		For 20 Gauge, Add	*12.44*	
		For 18 Gauge, Add	*19.07*	
		For 16 Gauge, Add	*23.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.27*	
		For Work In Restricted Working Space, Add	*33.47*	
		For Seal Class B, Add	*16.74*	
		For Seal Class A, Add	*44.63*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	148.34	65.05
		For 24 Gauge, Add	*3.83*	
		For 22 Gauge, Add	*8.81*	
		For 20 Gauge, Add	*14.36*	
		For 18 Gauge, Add	*22.02*	
		For 16 Gauge, Add	*26.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*14.17*	
		For Work In Restricted Working Space, Add	*38.76*	
		For Seal Class B, Add	*19.38*	
		For Seal Class A, Add	*51.68*	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	228.16	82.23
		For 24 Gauge, Add	*12.91*	
		For 22 Gauge, Add	*29.68*	
		For 20 Gauge, Add	*48.40*	
		For 18 Gauge, Add	*74.21*	
		For 16 Gauge, Add	*90.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*47.75*	
		For Work In Restricted Working Space, Add	*49.09*	
		For Seal Class B, Add	*24.54*	
		For Seal Class A, Add	*65.45*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	274.49	101.86
		For 24 Gauge, Add	*13.99*	
		For 22 Gauge, Add	*32.18*	
		For 20 Gauge, Add	*52.46*	
		For 18 Gauge, Add	*80.44*	
		For 16 Gauge, Add	*97.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*51.76*	
		For Work In Restricted Working Space, Add	*61.36*	
		For Seal Class B, Add	*30.68*	
		For Seal Class A, Add	*81.82*	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	298.51	111.68
		For 24 Gauge, Add	*15.08*	
		For 22 Gauge, Add	*34.67*	
		For 20 Gauge, Add	*56.54*	
		For 18 Gauge, Add	*86.69*	
		For 16 Gauge, Add	*105.53*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.78*	
		For Work In Restricted Working Space, Add	*66.94*	
		For Seal Class B, Add	*33.47*	
		For Seal Class A, Add	*89.25*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	342.07	130.08
		For 24 Gauge, Add	*16.19*	
		For 22 Gauge, Add	*37.24*	
		For 20 Gauge, Add	*60.72*	
		For 18 Gauge, Add	*93.10*	
		For 16 Gauge, Add	*113.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.91*	
		For Work In Restricted Working Space, Add	*78.33*	
		For Seal Class B, Add	*39.17*	
		For Seal Class A, Add	*104.44*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	45.96	36.85
		For Work In Restricted Working Space, Add	*13.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.46*	
		For Elevated Installation >40' Above Floor, Add	*24.70*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	43.33	16.63
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	43.33	16.63
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	46.21	17.96
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	46.21	17.96
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	48.69	17.96
		For Stainless Steel, Add	*15.34*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	50.11	19.29
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.11	19.29
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	51.65	19.29
		For Stainless Steel, Add	*15.68*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.31	20.62
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.24	21.95
		For Stainless Steel, Add	*11.21*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	59.57	21.95
		For Stainless Steel, Add	*18.80*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	56.45	23.28
		For Stainless Steel, Add	*11.87*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	62.66	23.28
		For Stainless Steel, Add	*19.32*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	44.72	17.96
		For Stainless Steel, Add	*10.56*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	44.72	17.96
		For Stainless Steel, Add	*10.56*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	48.39	19.29
		For Stainless Steel, Add	*11.77*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	49.86	19.29
		For Stainless Steel, Add	*13.54*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	50.51	20.62
		For Stainless Steel, Add	*11.12*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	53.41	21.95
		For Stainless Steel, Add	*11.41*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	45.73	17.96
		For Stainless Steel, Add	*11.77*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	48.99	19.29
		For Stainless Steel, Add	*12.49*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	43.33	16.63
		For Stainless Steel, Add	*12.08*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	46.22	17.96
		For Stainless Steel, Add	*12.36*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	50.11	19.29
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	50.11	19.29
		For Stainless Steel, Add	*13.84*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	50.31	20.62
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	53.24	21.95
		For Stainless Steel, Add	*11.21*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	59.57	21.95
		For Stainless Steel, Add	*18.80*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	62.23	23.28
		For Stainless Steel, Add	*18.80*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	26.68	11.17
		For Work In Restricted Working Space, Add	*6.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.96*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.20*	
		For Elevated Installation >40' Above Floor, Add	*12.32*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 23-0005	LB	Black Steel Ductwork	23.99	11.52
		For Work In Restricted Working Space, Add	*6.91*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.52*	
		For Elevated Installation >40' Above Floor, Add	*12.67*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	11.64	2.31
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	13.78	2.53
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	16.00	2.79

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	20.94	6.34
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	26.33	7.42
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	35.54	10.89
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	47.26	13.76
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	59.95	17.23
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	72.30	20.70
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	81.21	24.17
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	92.92	26.44
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	100.53	28.11
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	125.82	31.59
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	132.18	33.86
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	164.40	36.14
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	188.17	41.87
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	216.72	50.49
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	292.53	56.24
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	327.68	63.17
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	363.50	72.38
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	411.98	84.47
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	438.84	103.37
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	535.47	126.34

23 31 16 16-0023 Fiber Reinforced Plastic Bell *(23 31 16 16-0001)*

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	70.99	25.73
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	85.45	30.51
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	98.66	35.89
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	129.91	47.86
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	158.73	59.82
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	185.11	71.79
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	229.56	89.13
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	245.21	95.71
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	265.66	102.30
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	286.11	110.08
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	312.57	119.65
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	360.92	131.61
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	416.61	143.58
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	472.06	161.52
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	527.50	179.47
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	582.91	197.42
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	722.86	239.29
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	866.94	299.11
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	1,040.26	358.94
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,189.89	406.79

23 31 16 16-0044 Fiber Reinforced Plastic Flange *(23 31 16 16-0001)*

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	110.08	25.73
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	126.98	30.51
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	145.07	35.89
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	188.54	47.86
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	229.58	59.82
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	270.60	71.79
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	319.94	89.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	355.14	95.71
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	387.80	102.30
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	413.13	110.08
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	434.71	119.65
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	507.49	131.61
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	558.29	143.58
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	684.58	161.52
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	762.01	179.47
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	863.83	197.42
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	1,015.99	239.29
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,216.25	299.11
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,416.45	358.94
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,619.82	406.79
23 31 16 16-0065		Fiber Reinforced Plastic 90 Degree Elbow *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	183.98	61.97
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	216.31	74.06
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	251.05	86.14
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	325.78	114.86
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	400.51	143.58
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	475.25	172.29
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	584.25	214.29
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	659.02	226.85
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	747.75	246.35
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	884.91	264.17
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	1,016.07	287.15
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,173.85	315.86
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,563.67	344.58
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,989.71	387.65
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,598.92	430.84
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	3,073.84	473.91
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,644.22	574.30
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,420.92	717.87
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,197.16	861.21
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,925.79	975.95
23 31 16 16-0086		Fiber Reinforced Plastic 45 Degree Elbow *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	157.10	61.97
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	184.55	74.06
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	214.39	86.14
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	272.04	114.86
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	329.67	143.58
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	392.29	172.29
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	484.17	214.29
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	524.58	226.85
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	620.50	246.23
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	709.36	264.41
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	815.68	287.15
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	936.35	315.63
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,172.37	344.34
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,425.98	388.01
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,800.66	431.08
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,108.94	473.91
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,515.65	574.30
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	3,023.65	717.87
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,557.75	859.54
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	4,022.19	976.90
23 31 16 16-0107		Fiber Reinforced Plastic Tee *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	239.61	92.48
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	283.39	111.39
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	325.29	129.21
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	421.51	172.29
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	515.85	214.29
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	615.83	259.63
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	744.33	314.67
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	811.86	340.51
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	934.03	369.94
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,051.28	396.26
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,206.54	430.84
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,376.11	473.91
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,630.74	516.75
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,946.68	581.71
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,542.79	646.33
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	3,017.16	711.06
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,635.16	862.04
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,360.32	1,077.29
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	5,084.79	1,292.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,739.50	1,465.06
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	202.95	92.48
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	239.39	111.39
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	274.03	129.21
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	350.76	172.29
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	425.55	214.29
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	510.85	259.63
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	612.70	314.90
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	664.75	340.27
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	729.10	370.06
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	788.04	396.63
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	860.19	431.08
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	951.06	473.91
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	1,048.85	516.51
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,183.91	581.36
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,322.17	646.69
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,453.32	710.82
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,737.88	859.54
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,128.42	1,079.20
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,570.27	1,293.00
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,881.45	1,465.06
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	166.92	62.10
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	196.82	74.18
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	231.58	86.14
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	298.91	114.86
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	361.43	143.58
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	434.87	173.01
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	518.37	214.29
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	553.89	226.85
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	610.73	246.23
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	670.27	264.41
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	747.29	287.15
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	849.52	316.22
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	951.41	345.18
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,076.66	388.01
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,202.18	431.08
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,351.68	473.91
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,604.50	574.30
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,921.96	717.87
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,165.36	859.54
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,434.39	976.90
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	196.24	62.10
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	216.37	74.18
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	251.12	86.14
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	325.78	114.86
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	400.51	143.58
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	476.39	173.01
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	572.11	214.29
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	622.29	226.85
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	679.13	246.23
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	763.10	264.41
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	952.48	287.15
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,149.98	316.22
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,234.77	345.18
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,403.99	388.01
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,524.63	431.08
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,669.24	473.91
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,860.99	574.30
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,163.79	717.87
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,434.07	859.54
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,678.67	976.90
23 31 16 16-0191		**Fiber Reinforced Plastic Butterfly Dampers** *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	502.91	61.97
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	565.10	74.06
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	627.25	86.14
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	738.19	114.86
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	870.17	143.58
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	981.13	172.29
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,114.13	214.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,240.31	226.85
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,378.00	246.35
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,512.82	264.17
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,614.25	287.15
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,830.33	315.86
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,130.52	344.58
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,454.71	387.65
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,820.92	430.84
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,145.13	473.91
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,690.98	574.30
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,308.80	717.87
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,884.10	861.21
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,622.09	975.95

23 31 16 23 Fabric Ducts *(23 31 16)*

23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*

23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	255.01	9.23
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	400.63	12.31
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	303.95	15.39
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	454.91	20.23
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	366.70	21.11
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	527.36	28.15
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	424.73	27.26
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	599.80	36.06
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	473.07	31.23
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	714.06	41.78
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	520.09	34.74
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	797.04	46.17
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	565.03	39.58
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	920.01	52.77

23 31 16 23-0017 Heavy-Duty Fabric Duct With Vents *(23 31 16 23-0001)*

23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	703.52	12.31
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	775.97	20.23
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	863.57	28.15
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	954.18	36.06
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,150.22	41.78
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,233.20	46.17
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,392.52	52.77

23 31 16 23-0025 Heavy-Duty Fabric Duct 90 Degree Elbow *(23 31 16 23-0001)*

23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	521.42	13.19
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	578.72	21.11
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	786.99	22.87
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	959.39	30.78
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,215.40	34.30
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,518.53	37.38
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,725.86	41.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	397.24	13.19
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	463.62	21.11
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	520.44	22.87
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	605.01	30.78
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	700.49	34.30
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	843.08	37.38
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	962.42	41.78
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,274.40	30.78
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,341.64	32.99
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,448.98	44.41
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,522.53	49.70
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,578.25	54.09
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,652.77	60.69
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	200.36	13.19
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	233.43	21.11
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	250.87	22.87
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	286.98	30.78
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	306.73	34.30
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	328.17	37.38
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	359.67	41.78
23 31 16 23-0056		**Heavy-Duty Fabric Duct Cap** *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	117.72	7.92
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	147.54	12.76
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	174.44	13.63
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	243.61	18.47
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	292.67	20.67
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	367.67	22.42
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	415.05	25.07
23 31 16 23-0064		**Heavy-Duty Fabric Duct Suspension Hardware** *(23 31 16 23-0001)*		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	41.70	6.66
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	65.42	10.00
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	14.63	3.33
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	1.02	0.13
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	35.01	6.66
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	81.93	6.66
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	111.16	10.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	20.30	3.33
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	3.32	0.13
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	49.67	6.66

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001 Radial Opposed Blade Damper Steel Construction (Ruskin CDR) *(23 33 13 13)*

23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	153.54	10.65
		For Stainless Steel, Add	*134.70*	
		For Parallel Blade Damper, Add	*44.90*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	161.76	11.97
		For Stainless Steel, Add	*136.64*	
		For Parallel Blade Damper, Add	*45.55*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	170.76	13.30
		For Stainless Steel, Add	*138.08*	
		For Parallel Blade Damper, Add	*46.03*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	183.66	15.96
		For Stainless Steel, Add	*146.71*	
		For Parallel Blade Damper, Add	*48.90*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	197.88	17.30
		For Stainless Steel, Add	*155.35*	
		For Parallel Blade Damper, Add	*51.78*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	240.25	18.63
		For Stainless Steel, Add	*198.50*	
		For Parallel Blade Damper, Add	*66.17*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	262.38	19.95
		For Stainless Steel, Add	*215.77*	
		For Parallel Blade Damper, Add	*71.92*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	275.65	22.61
		For Stainless Steel, Add	*224.36*	
		For Parallel Blade Damper, Add	*74.79*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	304.35	23.95
		For Stainless Steel, Add	*250.27*	
		For Parallel Blade Damper, Add	*83.42*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	363.02	26.61
		For Stainless Steel, Add	*310.69*	
		For Parallel Blade Damper, Add	*103.56*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	403.68	26.61
		For Stainless Steel, Add	*353.80*	
		For Parallel Blade Damper, Add	*117.93*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	464.91	30.60
		For Stainless Steel, Add	*414.22*	
		For Parallel Blade Damper, Add	*138.07*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	502.15	31.93
		For Stainless Steel, Add	*451.36*	
		For Parallel Blade Damper, Add	*150.45*	

23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*

23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	155.81	14.79
		For Stainless Steel, Add	*133.73*	
		For Parallel Blade Damper, Add	*44.58*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	165.73	15.46
		For Stainless Steel, Add	*143.22*	
		For Parallel Blade Damper, Add	*47.74*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.96	15.59
		For Stainless Steel, Add	*152.78*	
		For Parallel Blade Damper, Add	*50.93*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	173.96	15.59
		For Stainless Steel, Add	*152.78*	
		For Parallel Blade Damper, Add	*50.93*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.27	16.00
		For Stainless Steel, Add	*162.35*	
		For Parallel Blade Damper, Add	*54.12*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	204.48	17.73
		For Stainless Steel, Add	*181.40*	
		For Parallel Blade Damper, Add	*60.47*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	183.27	16.00
		For Stainless Steel, Add	*162.35*	
		For Parallel Blade Damper, Add	*54.12*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	201.81	16.92
		For Stainless Steel, Add	*181.40*	
		For Parallel Blade Damper, Add	*60.47*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.50	17.73
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	234.73	19.99
		For Stainless Steel, Add	*209.71*	
		For Parallel Blade Damper, Add	*69.90*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	197.88	16.92
		For Stainless Steel, Add	*176.69*	
		For Parallel Blade Damper, Add	*58.90*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.50	17.73
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.13	18.66
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.10	19.99
		For Stainless Steel, Add	*210.16*	
		For Parallel Blade Damper, Add	*70.05*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	261.62	22.25
		For Stainless Steel, Add	*233.99*	
		For Parallel Blade Damper, Add	*78.00*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	212.50	17.73
		For Stainless Steel, Add	*191.03*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.46	19.05
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.76	20.92
		For Stainless Steel, Add	*210.16*	
		For Parallel Blade Damper, Add	*70.05*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	249.67	22.25
		For Stainless Steel, Add	*219.65*	
		For Parallel Blade Damper, Add	*73.22*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	276.31	24.38
		For Stainless Steel, Add	*243.61*	
		For Parallel Blade Damper, Add	*81.20*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.84	26.65
		For Stainless Steel, Add	*267.46*	
		For Parallel Blade Damper, Add	*89.15*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	223.13	18.66
		For Stainless Steel, Add	*200.59*	
		For Parallel Blade Damper, Add	*66.86*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	239.03	19.99
		For Stainless Steel, Add	*214.87*	
		For Parallel Blade Damper, Add	*71.62*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	257.69	22.25
		For Stainless Steel, Add	*229.27*	
		For Parallel Blade Damper, Add	*76.42*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	284.28	24.38
		For Stainless Steel, Add	*253.18*	
		For Parallel Blade Damper, Add	*84.39*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	306.82	26.65
		For Stainless Steel, Add	*272.23*	
		For Parallel Blade Damper, Add	*90.74*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	322.12	28.78
		For Stainless Steel, Add	*282.61*	
		For Parallel Blade Damper, Add	*94.20*	
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.20	31.05
		For Stainless Steel, Add	*296.30*	
		For Parallel Blade Damper, Add	*98.77*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	219.18	19.99
		For Stainless Steel, Add	*191.05*	
		For Parallel Blade Damper, Add	*63.68*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	240.27	22.25
		For Stainless Steel, Add	*208.37*	
		For Parallel Blade Damper, Add	*69.46*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	261.43	24.38
		For Stainless Steel, Add	*225.76*	
		For Parallel Blade Damper, Add	*75.25*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.06	26.65
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.58	28.78
		For Stainless Steel, Add	*273.56*	
		For Parallel Blade Damper, Add	*91.19*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.11	31.05
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.21	33.32
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.32	35.45
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	247.52	22.25
		For Stainless Steel, Add	*217.07*	
		For Parallel Blade Damper, Add	*72.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.92	24.38
		For Stainless Steel, Add	*243.14*	
		For Parallel Blade Damper, Add	*81.05*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.06	26.65
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	325.44	28.78
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	342.93	31.05
		For Stainless Steel, Add	*299.58*	
		For Parallel Blade Damper, Add	*99.86*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.45	33.32
		For Stainless Steel, Add	*312.61*	
		For Parallel Blade Damper, Add	*104.20*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	388.80	35.45
		For Stainless Steel, Add	*338.63*	
		For Parallel Blade Damper, Add	*112.88*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	423.80	39.98
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.16	44.37
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	275.92	24.38
		For Stainless Steel, Add	*243.14*	
		For Parallel Blade Damper, Add	*81.05*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	297.06	26.65
		For Stainless Steel, Add	*260.52*	
		For Parallel Blade Damper, Add	*86.84*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	325.44	28.78
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.55	31.05
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.27	33.32
		For Stainless Steel, Add	*325.60*	
		For Parallel Blade Damper, Add	*108.53*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.00	35.45
		For Stainless Steel, Add	*347.27*	
		For Parallel Blade Damper, Add	*115.76*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	431.05	39.98
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	466.16	44.37
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	516.18	46.64
		For Stainless Steel, Add	*451.51*	
		For Parallel Blade Damper, Add	*150.50*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.68	51.04
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	318.79	26.65
		For Stainless Steel, Add	*286.60*	
		For Parallel Blade Damper, Add	*95.53*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	332.64	28.78
		For Stainless Steel, Add	*295.24*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.55	31.05
		For Stainless Steel, Add	*303.92*	
		For Parallel Blade Damper, Add	*101.31*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	367.65	33.32
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	397.41	35.45
		For Stainless Steel, Add	*348.96*	
		For Parallel Blade Damper, Add	*116.32*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	431.05	39.98
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	473.40	44.37
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	515.66	48.77
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.68	51.04
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	627.04	54.63
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	694.27	57.70
		For Stainless Steel, Add	*625.24*	
		For Parallel Blade Damper, Add	*208.41*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.12	28.78
		For Stainless Steel, Add	*312.61*	
		For Parallel Blade Damper, Add	*104.20*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	368.23	31.05
		For Stainless Steel, Add	*329.94*	
		For Parallel Blade Damper, Add	*109.98*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	389.33	33.32
		For Stainless Steel, Add	*347.27*	
		For Parallel Blade Damper, Add	*115.76*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.73	35.45
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	441.96	39.98
		For Stainless Steel, Add	*386.44*	
		For Parallel Blade Damper, Add	*128.81*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	459.50	42.11
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	515.66	48.77
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.09	53.31
		For Stainless Steel, Add	*486.22*	
		For Parallel Blade Damper, Add	*162.07*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	613.88	55.04
		For Stainless Steel, Add	*538.37*	
		For Parallel Blade Damper, Add	*179.46*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	683.72	59.03
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	743.71	62.10
		For Stainless Steel, Add	*668.57*	
		For Parallel Blade Damper, Add	*222.86*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	808.27	64.36
		For Stainless Steel, Add	*738.05*	
		For Parallel Blade Damper, Add	*246.02*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.99	33.32
		For Stainless Steel, Add	*321.25*	
		For Parallel Blade Damper, Add	*107.08*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	396.57	35.45
		For Stainless Steel, Add	*355.96*	
		For Parallel Blade Damper, Add	*118.65*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	410.48	37.71
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.39	39.98
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	463.07	42.11
		For Stainless Steel, Add	*403.76*	
		For Parallel Blade Damper, Add	*134.59*	
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.08	44.37
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	544.00	51.04
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	586.30	55.44
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	640.36	59.03
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.28	62.10
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	783.29	65.70
		For Stainless Steel, Add	*703.28*	
		For Parallel Blade Damper, Add	*234.43*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	868.25	67.43
		For Stainless Steel, Add	*798.84*	
		For Parallel Blade Damper, Add	*266.28*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	951.30	71.03
		For Stainless Steel, Add	*885.70*	
		For Parallel Blade Damper, Add	*295.23*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	382.13	33.32
		For Stainless Steel, Add	*338.63*	
		For Parallel Blade Damper, Add	*112.88*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.73	35.45
		For Stainless Steel, Add	*373.34*	
		For Parallel Blade Damper, Add	*124.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.17	37.71
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	460.07	39.98
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.67	42.11
		For Stainless Steel, Add	*442.88*	
		For Parallel Blade Damper, Add	*147.63*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	531.25	44.37
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	594.12	53.31
		For Stainless Steel, Add	*521.05*	
		For Parallel Blade Damper, Add	*173.68*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	643.56	57.70
		For Stainless Steel, Add	*564.38*	
		For Parallel Blade Damper, Add	*188.13*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.28	62.10
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	807.74	66.63
		For Stainless Steel, Add	*729.42*	
		For Parallel Blade Damper, Add	*243.14*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	893.35	71.03
		For Stainless Steel, Add	*816.16*	
		For Parallel Blade Damper, Add	*272.05*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	965.15	73.16
		For Stainless Steel, Add	*894.32*	
		For Parallel Blade Damper, Add	*298.11*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,036.97	75.43
		For Stainless Steel, Add	*972.50*	
		For Parallel Blade Damper, Add	*324.17*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,108.77	77.69
		For Stainless Steel, Add	*1,050.67*	
		For Parallel Blade Damper, Add	*350.22*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	410.48	35.45
		For Stainless Steel, Add	*364.64*	
		For Parallel Blade Damper, Add	*121.55*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.17	37.71
		For Stainless Steel, Add	*399.48*	
		For Parallel Blade Damper, Add	*133.16*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	460.07	39.98
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.08	44.37
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	537.34	48.77
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	579.63	53.31
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	636.37	57.70
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	693.06	62.10
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	771.52	66.63
		For Stainless Steel, Add	*685.96*	
		For Parallel Blade Damper, Add	*228.65*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	864.43	71.03
		For Stainless Steel, Add	*781.45*	
		For Parallel Blade Damper, Add	*260.48*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	936.28	73.16
		For Stainless Steel, Add	*859.68*	
		For Parallel Blade Damper, Add	*286.56*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,029.72	75.43
		For Stainless Steel, Add	*963.80*	
		For Parallel Blade Damper, Add	*321.27*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,108.18	79.82
		For Stainless Steel, Add	*1,041.97*	
		For Parallel Blade Damper, Add	*347.32*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,201.67	82.09
		For Stainless Steel, Add	*1,146.16*	
		For Parallel Blade Damper, Add	*382.05*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,279.55	88.75
		For Stainless Steel, Add	*1,215.64*	
		For Parallel Blade Damper, Add	*405.21*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	438.93	37.71
		For Stainless Steel, Add	*390.79*	
		For Parallel Blade Damper, Add	*130.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	474.51	39.98
		For Stainless Steel, Add	*425.50*	
		For Parallel Blade Damper, Add	*141.83*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	516.76	44.37
		For Stainless Steel, Add	*460.20*	
		For Parallel Blade Damper, Add	*153.40*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	537.34	48.77
		For Stainless Steel, Add	*468.90*	
		For Parallel Blade Damper, Add	*156.30*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.25	53.31
		For Stainless Steel, Add	*508.01*	
		For Parallel Blade Damper, Add	*169.34*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	629.13	57.70
		For Stainless Steel, Add	*547.07*	
		For Parallel Blade Damper, Add	*182.36*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	685.87	62.10
		For Stainless Steel, Add	*599.16*	
		For Parallel Blade Damper, Add	*199.72*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	742.60	66.63
		For Stainless Steel, Add	*651.25*	
		For Parallel Blade Damper, Add	*217.08*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	821.07	71.03
		For Stainless Steel, Add	*729.42*	
		For Parallel Blade Damper, Add	*243.14*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	921.17	75.43
		For Stainless Steel, Add	*833.54*	
		For Parallel Blade Damper, Add	*277.85*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,000.16	77.69
		For Stainless Steel, Add	*920.34*	
		For Parallel Blade Damper, Add	*306.78*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,100.94	79.82
		For Stainless Steel, Add	*1,033.28*	
		For Parallel Blade Damper, Add	*344.43*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,201.04	84.35
		For Stainless Steel, Add	*1,137.41*	
		For Parallel Blade Damper, Add	*379.14*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,279.55	88.75
		For Stainless Steel, Add	*1,215.64*	
		For Parallel Blade Damper, Add	*405.21*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,386.36	95.42
		For Stainless Steel, Add	*1,319.82*	
		For Parallel Blade Damper, Add	*439.94*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,472.07	99.81
		For Stainless Steel, Add	*1,406.69*	
		For Parallel Blade Damper, Add	*468.90*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	460.07	39.98
		For Stainless Steel, Add	*408.17*	
		For Parallel Blade Damper, Add	*136.06*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	509.52	44.37
		For Stainless Steel, Add	*451.51*	
		For Parallel Blade Damper, Add	*150.50*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	544.58	48.77
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	565.09	53.31
		For Stainless Steel, Add	*486.22*	
		For Parallel Blade Damper, Add	*162.07*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	618.26	57.70
		For Stainless Steel, Add	*534.02*	
		For Parallel Blade Damper, Add	*178.01*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	671.38	62.10
		For Stainless Steel, Add	*581.77*	
		For Parallel Blade Damper, Add	*193.92*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	724.49	66.63
		For Stainless Steel, Add	*629.52*	
		For Parallel Blade Damper, Add	*209.84*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	777.61	71.03
		For Stainless Steel, Add	*677.27*	
		For Parallel Blade Damper, Add	*225.76*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	877.76	75.43
		For Stainless Steel, Add	*781.45*	
		For Parallel Blade Damper, Add	*260.48*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	971.29	77.69
		For Stainless Steel, Add	*885.70*	
		For Parallel Blade Damper, Add	*295.23*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,057.53	79.82
		For Stainless Steel, Add	*981.19*	
		For Parallel Blade Damper, Add	*327.06*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,172.17	84.35
		For Stainless Steel, Add	*1,102.76*	
		For Parallel Blade Damper, Add	*367.59*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,272.31	88.75
		For Stainless Steel, Add	*1,206.95*	
		For Parallel Blade Damper, Add	*402.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,379.69	93.15
		For Stainless Steel, Add	*1,319.82*	
		For Parallel Blade Damper, Add	*439.94*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,465.41	97.68
		For Stainless Steel, Add	*1,406.69*	
		For Parallel Blade Damper, Add	*468.90*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,572.80	102.08
		For Stainless Steel, Add	*1,519.56*	
		For Parallel Blade Damper, Add	*506.52*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,680.19	106.47
		For Stainless Steel, Add	*1,632.44*	
		For Parallel Blade Damper, Add	*544.15*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	495.08	44.37
		For Stainless Steel, Add	*434.18*	
		For Parallel Blade Damper, Add	*144.73*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	544.58	48.77
		For Stainless Steel, Add	*477.59*	
		For Parallel Blade Damper, Add	*159.20*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	572.34	53.31
		For Stainless Steel, Add	*494.92*	
		For Parallel Blade Damper, Add	*164.97*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	592.96	57.70
		For Stainless Steel, Add	*503.66*	
		For Parallel Blade Damper, Add	*167.89*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	649.70	62.10
		For Stainless Steel, Add	*555.76*	
		For Parallel Blade Damper, Add	*185.25*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	706.38	66.63
		For Stainless Steel, Add	*607.79*	
		For Parallel Blade Damper, Add	*202.60*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	766.74	71.03
		For Stainless Steel, Add	*664.22*	
		For Parallel Blade Damper, Add	*221.41*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	827.11	75.43
		For Stainless Steel, Add	*720.67*	
		For Parallel Blade Damper, Add	*240.22*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	927.83	77.69
		For Stainless Steel, Add	*833.54*	
		For Parallel Blade Damper, Add	*277.85*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,021.31	79.82
		For Stainless Steel, Add	*937.73*	
		For Parallel Blade Damper, Add	*312.58*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,128.76	84.35
		For Stainless Steel, Add	*1,050.67*	
		For Parallel Blade Damper, Add	*350.22*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,236.14	88.75
		For Stainless Steel, Add	*1,163.54*	
		For Parallel Blade Damper, Add	*387.85*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,321.80	93.15
		For Stainless Steel, Add	*1,250.35*	
		For Parallel Blade Damper, Add	*416.78*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,450.87	97.68
		For Stainless Steel, Add	*1,389.24*	
		For Parallel Blade Damper, Add	*463.08*	
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,565.51	102.08
		For Stainless Steel, Add	*1,510.81*	
		For Parallel Blade Damper, Add	*503.60*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,680.19	106.47
		For Stainless Steel, Add	*1,632.44*	
		For Parallel Blade Damper, Add	*544.15*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,780.24	111.01
		For Stainless Steel, Add	*1,736.51*	
		For Parallel Blade Damper, Add	*578.84*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,880.49	115.41
		For Stainless Steel, Add	*1,840.81*	
		For Parallel Blade Damper, Add	*613.60*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	160.92	14.40
		For Smoke Damper, Add	*99.97*	
		For Spring Activated Horizontal Mount Operation, Add	*26.46*	
		For Dynamic Damper, Add	*63.51*	
		For 3 Hour Rated, Add	*35.28*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	225.08	14.40
		For Smoke Damper, Add	*154.50*	
		For Spring Activated Horizontal Mount Operation, Add	*40.90*	
		For Dynamic Damper, Add	*98.16*	
		For 3 Hour Rated, Add	*54.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0004		**Folding Curtain Fire Dampers** *(23 33 13 16)* Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.		
23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	76.43	14.79
		For Spring Activated Horizontal Mount Operation, Add	*7.21*	
		For Dynamic Damper, Add	*17.31*	
		For 3 Hour Rated, Add	*9.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.02*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	80.72	15.46
		For Spring Activated Horizontal Mount Operation, Add	*7.73*	
		For Dynamic Damper, Add	*18.54*	
		For 3 Hour Rated, Add	*10.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*8.59*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.27	15.59
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	83.27	15.59
		For Spring Activated Horizontal Mount Operation, Add	*8.24*	
		For Dynamic Damper, Add	*19.78*	
		For 3 Hour Rated, Add	*10.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.16*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.90	16.00
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	96.80	17.73
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.48*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.87*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	86.90	16.00
		For Spring Activated Horizontal Mount Operation, Add	*8.76*	
		For Dynamic Damper, Add	*21.02*	
		For 3 Hour Rated, Add	*11.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.73*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	94.13	16.92
		For Spring Activated Horizontal Mount Operation, Add	*9.79*	
		For Dynamic Damper, Add	*23.48*	
		For 3 Hour Rated, Add	*13.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.87*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.10	17.73
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.05	19.99
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	92.99	16.92
		For Spring Activated Horizontal Mount Operation, Add	*9.53*	
		For Dynamic Damper, Add	*22.87*	
		For 3 Hour Rated, Add	*12.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.59*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.10	17.73
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.05	18.66
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.34	19.99
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.73	22.25
		For Spring Activated Horizontal Mount Operation, Add	*12.62*	
		For Dynamic Damper, Add	*30.29*	
		For 3 Hour Rated, Add	*16.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.03*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.10	17.73
		For Spring Activated Horizontal Mount Operation, Add	*10.30*	
		For Dynamic Damper, Add	*24.73*	
		For 3 Hour Rated, Add	*13.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	105.38	19.05
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.00	20.92
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	119.28	22.25
		For Spring Activated Horizontal Mount Operation, Add	*11.85*	
		For Dynamic Damper, Add	*28.43*	
		For 3 Hour Rated, Add	*15.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.16*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.69	24.38
		For Spring Activated Horizontal Mount Operation, Add	*13.14*	
		For Dynamic Damper, Add	*31.53*	
		For 3 Hour Rated, Add	*17.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.60*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	144.08	26.65
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	104.05	18.66
		For Spring Activated Horizontal Mount Operation, Add	*10.82*	
		For Dynamic Damper, Add	*25.96*	
		For 3 Hour Rated, Add	*14.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.02*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.48	19.99
		For Spring Activated Horizontal Mount Operation, Add	*11.59*	
		For Dynamic Damper, Add	*27.82*	
		For 3 Hour Rated, Add	*15.45*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.88*	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.59	22.25
		For Spring Activated Horizontal Mount Operation, Add	*12.37*	
		For Dynamic Damper, Add	*29.68*	
		For 3 Hour Rated, Add	*16.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.99	24.38
		For Spring Activated Horizontal Mount Operation, Add	*13.66*	
		For Dynamic Damper, Add	*32.77*	
		For 3 Hour Rated, Add	*18.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.17*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.22	26.65
		For Spring Activated Horizontal Mount Operation, Add	*14.68*	
		For Dynamic Damper, Add	*35.24*	
		For 3 Hour Rated, Add	*19.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.32*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.59	28.78
		For Spring Activated Horizontal Mount Operation, Add	*15.97*	
		For Dynamic Damper, Add	*38.33*	
		For 3 Hour Rated, Add	*21.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.75*	
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.69	31.05
		For Spring Activated Horizontal Mount Operation, Add	*16.74*	
		For Dynamic Damper, Add	*40.18*	
		For 3 Hour Rated, Add	*22.32*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.60*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.34	19.99
		For Spring Activated Horizontal Mount Operation, Add	*11.33*	
		For Dynamic Damper, Add	*27.20*	
		For 3 Hour Rated, Add	*15.11*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.59*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	121.57	22.25
		For Spring Activated Horizontal Mount Operation, Add	*12.36*	
		For Dynamic Damper, Add	*29.67*	
		For 3 Hour Rated, Add	*16.48*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.74*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	132.83	24.38
		For Spring Activated Horizontal Mount Operation, Add	*13.39*	
		For Dynamic Damper, Add	*32.15*	
		For 3 Hour Rated, Add	*17.86*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.88*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.67	26.65
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.75	28.78
		For Spring Activated Horizontal Mount Operation, Add	*16.23*	
		For Dynamic Damper, Add	*38.96*	
		For 3 Hour Rated, Add	*21.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.85	31.05
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.08	33.32
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.32	35.45
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	123.87	22.25
		For Spring Activated Horizontal Mount Operation, Add	*12.88*	
		For Dynamic Damper, Add	*30.91*	
		For 3 Hour Rated, Add	*17.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.31*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.42	24.38
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.67	26.65
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.18	28.78
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.28	31.05
		For Spring Activated Horizontal Mount Operation, Add	*17.78*	
		For Dynamic Damper, Add	*42.66*	
		For 3 Hour Rated, Add	*23.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.75*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.37	33.32
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.51*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.91	35.45
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.22*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.09	39.98
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.59	44.37
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.42	24.38
		For Spring Activated Horizontal Mount Operation, Add	*14.43*	
		For Dynamic Damper, Add	*34.62*	
		For 3 Hour Rated, Add	*19.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.03*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.67	26.65
		For Spring Activated Horizontal Mount Operation, Add	*15.46*	
		For Dynamic Damper, Add	*37.10*	
		For 3 Hour Rated, Add	*20.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.18*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.18	28.78
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.42	31.05
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.80	33.32
		For Spring Activated Horizontal Mount Operation, Add	*19.32*	
		For Dynamic Damper, Add	*46.36*	
		For 3 Hour Rated, Add	*25.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.18	35.45
		For Spring Activated Horizontal Mount Operation, Add	*20.60*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.89*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.38	39.98
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.59	44.37
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	258.98	46.64
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.29*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.76	51.04
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	155.53	26.65
		For Spring Activated Horizontal Mount Operation, Add	*17.00*	
		For Dynamic Damper, Add	*40.81*	
		For 3 Hour Rated, Add	*22.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.89*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	164.45	28.78
		For Spring Activated Horizontal Mount Operation, Add	*17.51*	
		For Dynamic Damper, Add	*42.03*	
		For 3 Hour Rated, Add	*23.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.46*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.42	31.05
		For Spring Activated Horizontal Mount Operation, Add	*18.03*	
		For Dynamic Damper, Add	*43.28*	
		For 3 Hour Rated, Add	*24.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.04*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.65	33.32
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.62	35.45
		For Spring Activated Horizontal Mount Operation, Add	*20.70*	
		For Dynamic Damper, Add	*49.69*	
		For 3 Hour Rated, Add	*27.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.00*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.38	39.98
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.89	44.37
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.37	48.77
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.76	51.04
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.46	54.63
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	338.10	57.70
		For Spring Activated Horizontal Mount Operation, Add	*37.09*	
		For Dynamic Damper, Add	*89.02*	
		For 3 Hour Rated, Add	*49.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.22*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.04	28.78
		For Spring Activated Horizontal Mount Operation, Add	*18.55*	
		For Dynamic Damper, Add	*44.51*	
		For 3 Hour Rated, Add	*24.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	180.28	31.05
		For Spring Activated Horizontal Mount Operation, Add	*19.58*	
		For Dynamic Damper, Add	*46.98*	
		For 3 Hour Rated, Add	*26.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.75*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.51	33.32
		For Spring Activated Horizontal Mount Operation, Add	*20.60*	
		For Dynamic Damper, Add	*49.45*	
		For 3 Hour Rated, Add	*27.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.89*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.06	35.45
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.83	39.98
		For Spring Activated Horizontal Mount Operation, Add	*22.93*	
		For Dynamic Damper, Add	*55.03*	
		For 3 Hour Rated, Add	*30.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.48*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	231.93	42.11
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.37	48.77
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.13	53.31
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	246.36	55.04
		For Spring Activated Horizontal Mount Operation, Add	*18.25*	
		For Dynamic Damper, Add	*43.80*	
		For 3 Hour Rated, Add	*24.34*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.28*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.51	59.03
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.87	62.10
		For Spring Activated Horizontal Mount Operation, Add	*39.67*	
		For Dynamic Damper, Add	*95.20*	
		For 3 Hour Rated, Add	*52.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.08*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.84	64.36
		For Spring Activated Horizontal Mount Operation, Add	*43.79*	
		For Dynamic Damper, Add	*105.09*	
		For 3 Hour Rated, Add	*58.38*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.65*	
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.99	33.32
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	193.81	35.45
		For Spring Activated Horizontal Mount Operation, Add	*21.12*	
		For Dynamic Damper, Add	*50.69*	
		For 3 Hour Rated, Add	*28.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.47*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.77	37.71
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	211.72	39.98
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	233.07	42.11
		For Spring Activated Horizontal Mount Operation, Add	*23.96*	
		For Dynamic Damper, Add	*57.49*	
		For 3 Hour Rated, Add	*31.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.62*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.75	44.37
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	276.90	51.04
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.39	55.44
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.78	59.03
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.30	62.10
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	382.68	65.70
		For Spring Activated Horizontal Mount Operation, Add	*41.73*	
		For Dynamic Damper, Add	*100.15*	
		For 3 Hour Rated, Add	*55.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.37*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.20	67.43
		For Spring Activated Horizontal Mount Operation, Add	*47.40*	
		For Dynamic Damper, Add	*113.75*	
		For 3 Hour Rated, Add	*63.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.66*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.77	71.03
		For Spring Activated Horizontal Mount Operation, Add	*52.55*	
		For Dynamic Damper, Add	*126.12*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.39*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.24	33.32
		For Spring Activated Horizontal Mount Operation, Add	*20.09*	
		For Dynamic Damper, Add	*48.22*	
		For 3 Hour Rated, Add	*26.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.33*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.06	35.45
		For Spring Activated Horizontal Mount Operation, Add	*22.15*	
		For Dynamic Damper, Add	*53.16*	
		For 3 Hour Rated, Add	*29.54*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.61*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.60	37.71
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.56	39.98
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.38	42.11
		For Spring Activated Horizontal Mount Operation, Add	*26.28*	
		For Dynamic Damper, Add	*63.06*	
		For 3 Hour Rated, Add	*35.03*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.20*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	259.20	44.37
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.30	53.31
		For Spring Activated Horizontal Mount Operation, Add	*30.91*	
		For Dynamic Damper, Add	*74.19*	
		For 3 Hour Rated, Add	*41.22*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.35*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.07	57.70
		For Spring Activated Horizontal Mount Operation, Add	*33.49*	
		For Dynamic Damper, Add	*80.37*	
		For 3 Hour Rated, Add	*44.65*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.21*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.30	62.10
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	392.23	66.63
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.86*	
		For 3 Hour Rated, Add	*57.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.44	71.03
		For Spring Activated Horizontal Mount Operation, Add	*48.42*	
		For Dynamic Damper, Add	*116.22*	
		For 3 Hour Rated, Add	*64.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*53.81*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	455.71	73.16
		For Spring Activated Horizontal Mount Operation, Add	*53.06*	
		For Dynamic Damper, Add	*127.35*	
		For 3 Hour Rated, Add	*70.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.96*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.99	75.43
		For Spring Activated Horizontal Mount Operation, Add	*57.70*	
		For Dynamic Damper, Add	*138.48*	
		For 3 Hour Rated, Add	*76.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.11*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	510.27	77.69
		For Spring Activated Horizontal Mount Operation, Add	*62.34*	
		For Dynamic Damper, Add	*149.61*	
		For 3 Hour Rated, Add	*83.12*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.77	35.45
		For Spring Activated Horizontal Mount Operation, Add	*21.64*	
		For Dynamic Damper, Add	*51.93*	
		For 3 Hour Rated, Add	*28.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.04*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.60	37.71
		For Spring Activated Horizontal Mount Operation, Add	*23.70*	
		For Dynamic Damper, Add	*56.88*	
		For 3 Hour Rated, Add	*31.60*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.33*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.56	39.98
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.75	44.37
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.24	48.77
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.72	53.31
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	319.79	57.70
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.85	62.10
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.78	66.63
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.68*	
		For 3 Hour Rated, Add	*54.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.22*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.28	71.03
		For Spring Activated Horizontal Mount Operation, Add	*46.36*	
		For Dynamic Damper, Add	*111.27*	
		For 3 Hour Rated, Add	*61.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.57	73.16
		For Spring Activated Horizontal Mount Operation, Add	*51.01*	
		For Dynamic Damper, Add	*122.41*	
		For 3 Hour Rated, Add	*68.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*56.67*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	480.69	75.43
		For Spring Activated Horizontal Mount Operation, Add	*57.18*	
		For Dynamic Damper, Add	*137.24*	
		For 3 Hour Rated, Add	*76.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*63.54*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.64	79.82
		For Spring Activated Horizontal Mount Operation, Add	*61.82*	
		For Dynamic Damper, Add	*148.38*	
		For 3 Hour Rated, Add	*82.43*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.78	82.09
		For Spring Activated Horizontal Mount Operation, Add	*68.00*	
		For Dynamic Damper, Add	*163.21*	
		For 3 Hour Rated, Add	*90.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*75.56*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.07	88.75
		For Spring Activated Horizontal Mount Operation, Add	*72.12*	
		For Dynamic Damper, Add	*173.10*	
		For 3 Hour Rated, Add	*96.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.14*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	216.31	37.71
		For Spring Activated Horizontal Mount Operation, Add	*23.18*	
		For Dynamic Damper, Add	*55.64*	
		For 3 Hour Rated, Add	*30.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.76*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	232.13	39.98
		For Spring Activated Horizontal Mount Operation, Add	*25.25*	
		For Dynamic Damper, Add	*60.59*	
		For 3 Hour Rated, Add	*33.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.05*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.61	44.37
		For Spring Activated Horizontal Mount Operation, Add	*27.30*	
		For Dynamic Damper, Add	*65.53*	
		For 3 Hour Rated, Add	*36.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.34*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.24	48.77
		For Spring Activated Horizontal Mount Operation, Add	*27.82*	
		For Dynamic Damper, Add	*66.77*	
		For 3 Hour Rated, Add	*37.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.91*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	293.87	53.31
		For Spring Activated Horizontal Mount Operation, Add	*30.14*	
		For Dynamic Damper, Add	*72.34*	
		For 3 Hour Rated, Add	*40.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.49*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	317.50	57.70
		For Spring Activated Horizontal Mount Operation, Add	*32.46*	
		For Dynamic Damper, Add	*77.90*	
		For 3 Hour Rated, Add	*43.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.07*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.57	62.10
		For Spring Activated Horizontal Mount Operation, Add	*35.55*	
		For Dynamic Damper, Add	*85.32*	
		For 3 Hour Rated, Add	*47.40*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.50*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.62	66.63
		For Spring Activated Horizontal Mount Operation, Add	*38.64*	
		For Dynamic Damper, Add	*92.73*	
		For 3 Hour Rated, Add	*51.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.93*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.56	71.03
		For Spring Activated Horizontal Mount Operation, Add	*43.28*	
		For Dynamic Damper, Add	*103.86*	
		For 3 Hour Rated, Add	*57.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.09*	
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.36	75.43
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.70*	
		For 3 Hour Rated, Add	*65.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.95*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.90	77.69
		For Spring Activated Horizontal Mount Operation, Add	*54.61*	
		For Dynamic Damper, Add	*131.05*	
		For 3 Hour Rated, Add	*72.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*60.67*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.35	79.82
		For Spring Activated Horizontal Mount Operation, Add	*61.31*	
		For Dynamic Damper, Add	*147.14*	
		For 3 Hour Rated, Add	*81.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*68.12*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.13	84.35
		For Spring Activated Horizontal Mount Operation, Add	*67.48*	
		For Dynamic Damper, Add	*161.96*	
		For 3 Hour Rated, Add	*89.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*74.98*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.07	88.75
		For Spring Activated Horizontal Mount Operation, Add	*72.12*	
		For Dynamic Damper, Add	*173.10*	
		For 3 Hour Rated, Add	*96.17*	
		For Cap Of Damper Blades Outside Air Stream, Add	*80.14*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.54	95.42
		For Spring Activated Horizontal Mount Operation, Add	*78.31*	
		For Dynamic Damper, Add	*187.94*	
		For 3 Hour Rated, Add	*104.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.76	99.81
		For Spring Activated Horizontal Mount Operation, Add	*83.46*	
		For Dynamic Damper, Add	*200.30*	
		For 3 Hour Rated, Add	*111.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.73*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	227.56	39.98
		For Spring Activated Horizontal Mount Operation, Add	*24.22*	
		For Dynamic Damper, Add	*58.12*	
		For 3 Hour Rated, Add	*32.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.91*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.32	44.37
		For Spring Activated Horizontal Mount Operation, Add	*26.79*	
		For Dynamic Damper, Add	*64.29*	
		For 3 Hour Rated, Add	*35.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.77*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.53	48.77
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.13	53.31
		For Spring Activated Horizontal Mount Operation, Add	*28.85*	
		For Dynamic Damper, Add	*69.24*	
		For 3 Hour Rated, Add	*38.47*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.06*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.06	57.70
		For Spring Activated Horizontal Mount Operation, Add	*31.68*	
		For Dynamic Damper, Add	*76.04*	
		For 3 Hour Rated, Add	*42.25*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.21*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	339.98	62.10
		For Spring Activated Horizontal Mount Operation, Add	*34.52*	
		For Dynamic Damper, Add	*82.84*	
		For 3 Hour Rated, Add	*46.02*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.35*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.89	66.63
		For Spring Activated Horizontal Mount Operation, Add	*37.35*	
		For Dynamic Damper, Add	*89.64*	
		For 3 Hour Rated, Add	*49.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.50*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	391.81	71.03
		For Spring Activated Horizontal Mount Operation, Add	*40.18*	
		For Dynamic Damper, Add	*96.44*	
		For 3 Hour Rated, Add	*53.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.65*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.61	75.43
		For Spring Activated Horizontal Mount Operation, Add	*46.36*	
		For Dynamic Damper, Add	*111.27*	
		For 3 Hour Rated, Add	*61.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.52*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.76	77.69
		For Spring Activated Horizontal Mount Operation, Add	*52.55*	
		For Dynamic Damper, Add	*126.12*	
		For 3 Hour Rated, Add	*70.07*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.39*	
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.60	79.82
		For Spring Activated Horizontal Mount Operation, Add	*58.21*	
		For Dynamic Damper, Add	*139.71*	
		For 3 Hour Rated, Add	*77.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.68*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.99	84.35
		For Spring Activated Horizontal Mount Operation, Add	*65.43*	
		For Dynamic Damper, Add	*157.03*	
		For 3 Hour Rated, Add	*87.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.70*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.78	88.75
		For Spring Activated Horizontal Mount Operation, Add	*71.61*	
		For Dynamic Damper, Add	*171.86*	
		For 3 Hour Rated, Add	*95.48*	
		For Cap Of Damper Blades Outside Air Stream, Add	*79.57*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.87	93.15
		For Spring Activated Horizontal Mount Operation, Add	*78.31*	
		For Dynamic Damper, Add	*187.94*	
		For 3 Hour Rated, Add	*104.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.01*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.10	97.68
		For Spring Activated Horizontal Mount Operation, Add	*83.46*	
		For Dynamic Damper, Add	*200.30*	
		For 3 Hour Rated, Add	*111.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*92.73*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	707.19	102.08
		For Spring Activated Horizontal Mount Operation, Add	*90.16*	
		For Dynamic Damper, Add	*216.37*	
		For 3 Hour Rated, Add	*120.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*100.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.28	106.47
		For Spring Activated Horizontal Mount Operation, Add	*96.85*	
		For Dynamic Damper, Add	*232.45*	
		For 3 Hour Rated, Add	*129.14*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.62*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.75	44.37
		For Spring Activated Horizontal Mount Operation, Add	*25.76*	
		For Dynamic Damper, Add	*61.82*	
		For 3 Hour Rated, Add	*34.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.62*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	272.53	48.77
		For Spring Activated Horizontal Mount Operation, Add	*28.34*	
		For Dynamic Damper, Add	*68.01*	
		For 3 Hour Rated, Add	*37.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.49*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	290.42	53.31
		For Spring Activated Horizontal Mount Operation, Add	*29.36*	
		For Dynamic Damper, Add	*70.48*	
		For 3 Hour Rated, Add	*39.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.63*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.05	57.70
		For Spring Activated Horizontal Mount Operation, Add	*29.88*	
		For Dynamic Damper, Add	*71.72*	
		For 3 Hour Rated, Add	*39.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.20*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.12	62.10
		For Spring Activated Horizontal Mount Operation, Add	*32.97*	
		For Dynamic Damper, Add	*79.14*	
		For 3 Hour Rated, Add	*43.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.64*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.17	66.63
		For Spring Activated Horizontal Mount Operation, Add	*36.06*	
		For Dynamic Damper, Add	*86.55*	
		For 3 Hour Rated, Add	*48.08*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.07*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.38	71.03
		For Spring Activated Horizontal Mount Operation, Add	*39.41*	
		For Dynamic Damper, Add	*94.59*	
		For 3 Hour Rated, Add	*52.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.79*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	416.59	75.43
		For Spring Activated Horizontal Mount Operation, Add	*42.76*	
		For Dynamic Damper, Add	*102.62*	
		For 3 Hour Rated, Add	*57.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.51*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.02	77.69
		For Spring Activated Horizontal Mount Operation, Add	*49.46*	
		For Dynamic Damper, Add	*118.70*	
		For 3 Hour Rated, Add	*65.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.95*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	487.15	79.82
		For Spring Activated Horizontal Mount Operation, Add	*55.64*	
		For Dynamic Damper, Add	*133.53*	
		For 3 Hour Rated, Add	*74.18*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.82*	
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.26	84.35
		For Spring Activated Horizontal Mount Operation, Add	*62.34*	
		For Dynamic Damper, Add	*149.61*	
		For 3 Hour Rated, Add	*83.12*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.27*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	573.35	88.75
		For Spring Activated Horizontal Mount Operation, Add	*69.04*	
		For Dynamic Damper, Add	*165.69*	
		For 3 Hour Rated, Add	*92.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*76.71*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.55	93.15
		For Spring Activated Horizontal Mount Operation, Add	*74.18*	
		For Dynamic Damper, Add	*178.04*	
		For 3 Hour Rated, Add	*98.91*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.43*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.51	97.68
		For Spring Activated Horizontal Mount Operation, Add	*82.43*	
		For Dynamic Damper, Add	*197.82*	
		For 3 Hour Rated, Add	*109.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.59*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.90	102.08
		For Spring Activated Horizontal Mount Operation, Add	*89.64*	
		For Dynamic Damper, Add	*215.14*	
		For 3 Hour Rated, Add	*119.52*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.60*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.28	106.47
		For Spring Activated Horizontal Mount Operation, Add	*96.85*	
		For Dynamic Damper, Add	*232.45*	
		For 3 Hour Rated, Add	*129.14*	
		For Cap Of Damper Blades Outside Air Stream, Add	*107.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.06	111.01
		For Spring Activated Horizontal Mount Operation, Add	*103.03*	
		For Dynamic Damper, Add	*247.27*	
		For 3 Hour Rated, Add	*137.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.48*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	831.90	115.41
		For Spring Activated Horizontal Mount Operation, Add	*109.22*	
		For Dynamic Damper, Add	*262.13*	
		For 3 Hour Rated, Add	*145.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*121.36*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	110.71	14.79
		For Spring Activated Horizontal Mount Operation, Add	*14.93*	
		For Dynamic Damper, Add	*35.82*	
		For 3 Hour Rated, Add	*19.90*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.56	15.46
		For Spring Activated Horizontal Mount Operation, Add	*15.57*	
		For Dynamic Damper, Add	*37.36*	
		For 3 Hour Rated, Add	*20.75*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.69	15.59
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	118.69	15.59
		For Spring Activated Horizontal Mount Operation, Add	*16.21*	
		For Dynamic Damper, Add	*38.91*	
		For 3 Hour Rated, Add	*21.62*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.90	16.00
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	133.94	17.73
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.54*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.90	16.00
		For Spring Activated Horizontal Mount Operation, Add	*16.86*	
		For Dynamic Damper, Add	*40.46*	
		For 3 Hour Rated, Add	*22.48*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	131.27	16.92
		For Spring Activated Horizontal Mount Operation, Add	*18.14*	
		For Dynamic Damper, Add	*43.54*	
		For 3 Hour Rated, Add	*24.19*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.81	17.73
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.09*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.34	19.99
		For Spring Activated Horizontal Mount Operation, Add	*19.43*	
		For Dynamic Damper, Add	*46.64*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	129.85	16.92
		For Spring Activated Horizontal Mount Operation, Add	*17.82*	
		For Dynamic Damper, Add	*42.77*	
		For 3 Hour Rated, Add	*23.76*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.81	17.73
		For Spring Activated Horizontal Mount Operation, Add	*18.79*	
		For Dynamic Damper, Add	*45.09*	
		For 3 Hour Rated, Add	*25.05*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	142.34	18.66
		For Spring Activated Horizontal Mount Operation, Add	*19.43*	
		For Dynamic Damper, Add	*46.64*	
		For 3 Hour Rated, Add	*25.91*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.20	19.99
		For Spring Activated Horizontal Mount Operation, Add	*20.08*	
		For Dynamic Damper, Add	*48.18*	
		For 3 Hour Rated, Add	*26.77*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.02	22.25
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.05*	
		For 3 Hour Rated, Add	*28.92*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.94	17.73
		For Spring Activated Horizontal Mount Operation, Add	*26.24*	
		For Dynamic Damper, Add	*62.98*	
		For 3 Hour Rated, Add	*34.99*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.13	19.05
		For Spring Activated Horizontal Mount Operation, Add	*26.96*	
		For Dynamic Damper, Add	*64.71*	
		For 3 Hour Rated, Add	*35.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.68	20.92
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.45*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	192.87	22.25
		For Spring Activated Horizontal Mount Operation, Add	*28.40*	
		For Dynamic Damper, Add	*68.17*	
		For 3 Hour Rated, Add	*37.87*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	207.58	24.38
		For Spring Activated Horizontal Mount Operation, Add	*30.21*	
		For Dynamic Damper, Add	*72.51*	
		For 3 Hour Rated, Add	*40.28*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.26	26.65
		For Spring Activated Horizontal Mount Operation, Add	*32.02*	
		For Dynamic Damper, Add	*76.84*	
		For 3 Hour Rated, Add	*42.69*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.80	18.66
		For Spring Activated Horizontal Mount Operation, Add	*26.96*	
		For Dynamic Damper, Add	*64.71*	
		For 3 Hour Rated, Add	*35.95*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.62	19.99
		For Spring Activated Horizontal Mount Operation, Add	*28.05*	
		For Dynamic Damper, Add	*67.31*	
		For 3 Hour Rated, Add	*37.40*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.11	22.25
		For Spring Activated Horizontal Mount Operation, Add	*29.13*	
		For Dynamic Damper, Add	*69.92*	
		For 3 Hour Rated, Add	*38.84*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.78	24.38
		For Spring Activated Horizontal Mount Operation, Add	*30.93*	
		For Dynamic Damper, Add	*74.24*	
		For 3 Hour Rated, Add	*41.24*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.85	26.65
		For Spring Activated Horizontal Mount Operation, Add	*32.38*	
		For Dynamic Damper, Add	*77.70*	
		For 3 Hour Rated, Add	*43.17*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	238.52	28.78
		For Spring Activated Horizontal Mount Operation, Add	*34.18*	
		For Dynamic Damper, Add	*82.03*	
		For 3 Hour Rated, Add	*45.57*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	249.99	31.05
		For Spring Activated Horizontal Mount Operation, Add	*35.26*	
		For Dynamic Damper, Add	*84.62*	
		For 3 Hour Rated, Add	*47.01*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.02	19.99
		For Spring Activated Horizontal Mount Operation, Add	*27.69*	
		For Dynamic Damper, Add	*66.45*	
		For 3 Hour Rated, Add	*36.92*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.07	22.25
		For Spring Activated Horizontal Mount Operation, Add	*29.12*	
		For Dynamic Damper, Add	*69.90*	
		For 3 Hour Rated, Add	*38.83*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.17	24.38
		For Spring Activated Horizontal Mount Operation, Add	*30.57*	
		For Dynamic Damper, Add	*73.37*	
		For 3 Hour Rated, Add	*40.76*	
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.68	26.65
		For Spring Activated Horizontal Mount Operation, Add	*33.46*	
		For Dynamic Damper, Add	*80.31*	
		For 3 Hour Rated, Add	*44.62*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.13	28.78
		For Spring Activated Horizontal Mount Operation, Add	*34.54*	
		For Dynamic Damper, Add	*82.90*	
		For 3 Hour Rated, Add	*46.06*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	251.60	31.05
		For Spring Activated Horizontal Mount Operation, Add	*35.62*	
		For Dynamic Damper, Add	*85.49*	
		For 3 Hour Rated, Add	*47.50*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.66	33.32
		For Spring Activated Horizontal Mount Operation, Add	*37.06*	
		For Dynamic Damper, Add	*88.95*	
		For 3 Hour Rated, Add	*49.42*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	277.73	35.45
		For Spring Activated Horizontal Mount Operation, Add	*38.50*	
		For Dynamic Damper, Add	*92.40*	
		For 3 Hour Rated, Add	*51.34*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.56	22.25
		For Spring Activated Horizontal Mount Operation, Add	*35.76*	
		For Dynamic Damper, Add	*85.82*	
		For 3 Hour Rated, Add	*47.68*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.86	24.38
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.02*	
		For 3 Hour Rated, Add	*50.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.94	26.65
		For Spring Activated Horizontal Mount Operation, Add	*39.37*	
		For Dynamic Damper, Add	*94.49*	
		For 3 Hour Rated, Add	*52.49*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.19	28.78
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	282.67	31.05
		For Spring Activated Horizontal Mount Operation, Add	*42.61*	
		For Dynamic Damper, Add	*102.27*	
		For 3 Hour Rated, Add	*56.82*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	294.13	33.32
		For Spring Activated Horizontal Mount Operation, Add	*43.69*	
		For Dynamic Damper, Add	*104.86*	
		For 3 Hour Rated, Add	*58.26*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.41	35.45
		For Spring Activated Horizontal Mount Operation, Add	*45.86*	
		For Dynamic Damper, Add	*110.05*	
		For 3 Hour Rated, Add	*61.14*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.35	39.98
		For Spring Activated Horizontal Mount Operation, Add	*48.02*	
		For Dynamic Damper, Add	*115.25*	
		For 3 Hour Rated, Add	*64.03*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.51	44.37
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.18*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	241.86	24.38
		For Spring Activated Horizontal Mount Operation, Add	*37.93*	
		For Dynamic Damper, Add	*91.02*	
		For 3 Hour Rated, Add	*50.57*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.94	26.65
		For Spring Activated Horizontal Mount Operation, Add	*39.37*	
		For Dynamic Damper, Add	*94.49*	
		For 3 Hour Rated, Add	*52.49*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	271.19	28.78
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.27	31.05
		For Spring Activated Horizontal Mount Operation, Add	*42.97*	
		For Dynamic Damper, Add	*103.13*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	298.95	33.32
		For Spring Activated Horizontal Mount Operation, Add	*44.78*	
		For Dynamic Damper, Add	*107.47*	
		For 3 Hour Rated, Add	*59.70*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	313.60	35.45
		For Spring Activated Horizontal Mount Operation, Add	*46.57*	
		For Dynamic Damper, Add	*111.77*	
		For 3 Hour Rated, Add	*62.10*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.55	39.98
		For Spring Activated Horizontal Mount Operation, Add	*48.74*	
		For Dynamic Damper, Add	*116.97*	
		For 3 Hour Rated, Add	*64.99*	
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.51	44.37
		For Spring Activated Horizontal Mount Operation, Add	*50.91*	
		For Dynamic Damper, Add	*122.18*	
		For 3 Hour Rated, Add	*67.88*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	385.40	46.64
		For Spring Activated Horizontal Mount Operation, Add	*55.23*	
		For Dynamic Damper, Add	*132.56*	
		For 3 Hour Rated, Add	*73.64*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.76	51.04
		For Spring Activated Horizontal Mount Operation, Add	*58.84*	
		For Dynamic Damper, Add	*141.22*	
		For 3 Hour Rated, Add	*78.45*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.54	26.65
		For Spring Activated Horizontal Mount Operation, Add	*41.53*	
		For Dynamic Damper, Add	*99.67*	
		For 3 Hour Rated, Add	*55.37*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.38	28.78
		For Spring Activated Horizontal Mount Operation, Add	*42.25*	
		For Dynamic Damper, Add	*101.40*	
		For 3 Hour Rated, Add	*56.33*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.27	31.05
		For Spring Activated Horizontal Mount Operation, Add	*42.97*	
		For Dynamic Damper, Add	*103.13*	
		For 3 Hour Rated, Add	*57.30*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.32	33.32
		For Spring Activated Horizontal Mount Operation, Add	*44.41*	
		For Dynamic Damper, Add	*106.59*	
		For 3 Hour Rated, Add	*59.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.21	35.45
		For Spring Activated Horizontal Mount Operation, Add	*46.71*	
		For Dynamic Damper, Add	*112.10*	
		For 3 Hour Rated, Add	*62.28*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.55	39.98
		For Spring Activated Horizontal Mount Operation, Add	*48.74*	
		For Dynamic Damper, Add	*116.97*	
		For 3 Hour Rated, Add	*64.99*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	362.73	44.37
		For Spring Activated Horizontal Mount Operation, Add	*51.63*	
		For Dynamic Damper, Add	*123.91*	
		For 3 Hour Rated, Add	*68.84*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.88	48.77
		For Spring Activated Horizontal Mount Operation, Add	*54.52*	
		For Dynamic Damper, Add	*130.84*	
		For 3 Hour Rated, Add	*72.69*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.76	51.04
		For Spring Activated Horizontal Mount Operation, Add	*58.84*	
		For Dynamic Damper, Add	*141.22*	
		For 3 Hour Rated, Add	*78.45*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.87	54.63
		For Spring Activated Horizontal Mount Operation, Add	*63.89*	
		For Dynamic Damper, Add	*153.34*	
		For 3 Hour Rated, Add	*85.19*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.83	57.70
		For Spring Activated Horizontal Mount Operation, Add	*69.66*	
		For Dynamic Damper, Add	*167.18*	
		For 3 Hour Rated, Add	*92.88*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.30	28.78
		For Spring Activated Horizontal Mount Operation, Add	*47.41*	
		For Dynamic Damper, Add	*113.77*	
		For 3 Hour Rated, Add	*63.21*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.27	31.05
		For Spring Activated Horizontal Mount Operation, Add	*49.05*	
		For Dynamic Damper, Add	*117.71*	
		For 3 Hour Rated, Add	*65.40*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	325.25	33.32
		For Spring Activated Horizontal Mount Operation, Add	*50.69*	
		For Dynamic Damper, Add	*121.67*	
		For 3 Hour Rated, Add	*67.59*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.93	35.45
		For Spring Activated Horizontal Mount Operation, Add	*53.17*	
		For Dynamic Damper, Add	*127.61*	
		For 3 Hour Rated, Add	*70.90*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.76	39.98
		For Spring Activated Horizontal Mount Operation, Add	*54.41*	
		For Dynamic Damper, Add	*130.59*	
		For 3 Hour Rated, Add	*72.55*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	373.93	42.11
		For Spring Activated Horizontal Mount Operation, Add	*55.65*	
		For Dynamic Damper, Add	*133.56*	
		For 3 Hour Rated, Add	*74.20*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	412.24	48.77
		For Spring Activated Horizontal Mount Operation, Add	*59.77*	
		For Dynamic Damper, Add	*143.45*	
		For 3 Hour Rated, Add	*79.70*	
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	443.85	53.31
		For Spring Activated Horizontal Mount Operation, Add	*63.89*	
		For Dynamic Damper, Add	*153.33*	
		For 3 Hour Rated, Add	*85.18*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	471.17	55.04
		For Spring Activated Horizontal Mount Operation, Add	*68.83*	
		For Dynamic Damper, Add	*165.20*	
		For 3 Hour Rated, Add	*91.78*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.46	59.03
		For Spring Activated Horizontal Mount Operation, Add	*75.43*	
		For Dynamic Damper, Add	*181.02*	
		For 3 Hour Rated, Add	*100.57*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.43	62.10
		For Spring Activated Horizontal Mount Operation, Add	*81.19*	
		For Dynamic Damper, Add	*194.86*	
		For 3 Hour Rated, Add	*108.26*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.40	64.36
		For Spring Activated Horizontal Mount Operation, Add	*87.79*	
		For Dynamic Damper, Add	*210.69*	
		For 3 Hour Rated, Add	*117.05*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.87	33.32
		For Spring Activated Horizontal Mount Operation, Add	*54.13*	
		For Dynamic Damper, Add	*129.92*	
		For 3 Hour Rated, Add	*72.18*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.19	35.45
		For Spring Activated Horizontal Mount Operation, Add	*57.43*	
		For Dynamic Damper, Add	*137.84*	
		For 3 Hour Rated, Add	*76.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.52	37.71
		For Spring Activated Horizontal Mount Operation, Add	*58.25*	
		For Dynamic Damper, Add	*139.81*	
		For 3 Hour Rated, Add	*77.67*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	375.85	39.98
		For Spring Activated Horizontal Mount Operation, Add	*59.08*	
		For Dynamic Damper, Add	*141.79*	
		For 3 Hour Rated, Add	*78.77*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	402.02	42.11
		For Spring Activated Horizontal Mount Operation, Add	*61.97*	
		For Dynamic Damper, Add	*148.73*	
		For 3 Hour Rated, Add	*82.63*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.49	44.37
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.14	51.04
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.12	55.44
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.76	59.03
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.39	62.10
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.00	65.70
		For Spring Activated Horizontal Mount Operation, Add	*90.40*	
		For Dynamic Damper, Add	*216.96*	
		For 3 Hour Rated, Add	*120.53*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.65	67.43
		For Spring Activated Horizontal Mount Operation, Add	*99.47*	
		For Dynamic Damper, Add	*238.73*	
		For 3 Hour Rated, Add	*132.63*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	691.95	71.03
		For Spring Activated Horizontal Mount Operation, Add	*107.71*	
		For Dynamic Damper, Add	*258.51*	
		For 3 Hour Rated, Add	*143.62*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.87	33.32
		For Spring Activated Horizontal Mount Operation, Add	*55.78*	
		For Dynamic Damper, Add	*133.88*	
		For 3 Hour Rated, Add	*74.38*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.19	35.45
		For Spring Activated Horizontal Mount Operation, Add	*59.08*	
		For Dynamic Damper, Add	*141.79*	
		For 3 Hour Rated, Add	*78.77*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.87	37.71
		For Spring Activated Horizontal Mount Operation, Add	*61.56*	
		For Dynamic Damper, Add	*147.74*	
		For 3 Hour Rated, Add	*82.08*	
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.19	39.98
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.51	42.11
		For Spring Activated Horizontal Mount Operation, Add	*65.68*	
		For Dynamic Damper, Add	*157.63*	
		For 3 Hour Rated, Add	*87.57*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.83	44.37
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	484.79	53.31
		For Spring Activated Horizontal Mount Operation, Add	*73.10*	
		For Dynamic Damper, Add	*175.44*	
		For 3 Hour Rated, Add	*97.46*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.42	57.70
		For Spring Activated Horizontal Mount Operation, Add	*77.22*	
		For Dynamic Damper, Add	*185.32*	
		For 3 Hour Rated, Add	*102.95*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	566.39	62.10
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	612.68	66.63
		For Spring Activated Horizontal Mount Operation, Add	*92.88*	
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	662.62	71.03
		For Spring Activated Horizontal Mount Operation, Add	*101.12*	
		For Dynamic Damper, Add	*242.68*	
		For 3 Hour Rated, Add	*134.82*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	702.25	73.16
		For Spring Activated Horizontal Mount Operation, Add	*108.53*	
		For Dynamic Damper, Add	*260.48*	
		For 3 Hour Rated, Add	*144.71*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.91	75.43
		For Spring Activated Horizontal Mount Operation, Add	*115.96*	
		For Dynamic Damper, Add	*278.29*	
		For 3 Hour Rated, Add	*154.61*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	781.56	77.69
		For Spring Activated Horizontal Mount Operation, Add	*123.38*	
		For Dynamic Damper, Add	*296.11*	
		For 3 Hour Rated, Add	*164.51*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	365.52	35.45
		For Spring Activated Horizontal Mount Operation, Add	*58.25*	
		For Dynamic Damper, Add	*139.81*	
		For 3 Hour Rated, Add	*77.67*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.87	37.71
		For Spring Activated Horizontal Mount Operation, Add	*61.56*	
		For Dynamic Damper, Add	*147.74*	
		For 3 Hour Rated, Add	*82.08*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.19	39.98
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.49	44.37
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.48	48.77
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.45	53.31
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.77	57.70
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.06	62.10
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.20*	
		For 3 Hour Rated, Add	*108.45*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	594.37	66.63
		For Spring Activated Horizontal Mount Operation, Add	*88.76*	
		For Dynamic Damper, Add	*213.02*	
		For 3 Hour Rated, Add	*118.34*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.97	71.03
		For Spring Activated Horizontal Mount Operation, Add	*97.82*	
		For Dynamic Damper, Add	*234.77*	
		For 3 Hour Rated, Add	*130.43*	
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.63	73.16
		For Spring Activated Horizontal Mount Operation, Add	*105.24*	
		For Dynamic Damper, Add	*252.59*	
		For 3 Hour Rated, Add	*140.33*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	738.23	75.43
		For Spring Activated Horizontal Mount Operation, Add	*115.13*	
		For Dynamic Damper, Add	*276.31*	
		For 3 Hour Rated, Add	*153.50*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	784.56	79.82
		For Spring Activated Horizontal Mount Operation, Add	*122.56*	
		For Dynamic Damper, Add	*294.13*	
		For 3 Hour Rated, Add	*163.41*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	835.18	82.09
		For Spring Activated Horizontal Mount Operation, Add	*132.44*	
		For Dynamic Damper, Add	*317.87*	
		For 3 Hour Rated, Add	*176.59*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	884.47	88.75
		For Spring Activated Horizontal Mount Operation, Add	*139.04*	
		For Dynamic Damper, Add	*333.69*	
		For 3 Hour Rated, Add	*185.39*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.19	37.71
		For Spring Activated Horizontal Mount Operation, Add	*60.73*	
		For Dynamic Damper, Add	*145.76*	
		For 3 Hour Rated, Add	*80.98*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.50	39.98
		For Spring Activated Horizontal Mount Operation, Add	*64.03*	
		For Dynamic Damper, Add	*153.67*	
		For 3 Hour Rated, Add	*85.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.49	44.37
		For Spring Activated Horizontal Mount Operation, Add	*67.33*	
		For Dynamic Damper, Add	*161.58*	
		For 3 Hour Rated, Add	*89.77*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	449.48	48.77
		For Spring Activated Horizontal Mount Operation, Add	*68.15*	
		For Dynamic Damper, Add	*163.56*	
		For 3 Hour Rated, Add	*90.87*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.31	53.31
		For Spring Activated Horizontal Mount Operation, Add	*71.87*	
		For Dynamic Damper, Add	*172.48*	
		For 3 Hour Rated, Add	*95.82*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.10	57.70
		For Spring Activated Horizontal Mount Operation, Add	*75.57*	
		For Dynamic Damper, Add	*181.36*	
		For 3 Hour Rated, Add	*100.76*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.42	62.10
		For Spring Activated Horizontal Mount Operation, Add	*80.52*	
		For Dynamic Damper, Add	*193.24*	
		For 3 Hour Rated, Add	*107.36*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.71	66.63
		For Spring Activated Horizontal Mount Operation, Add	*85.46*	
		For Dynamic Damper, Add	*205.10*	
		For 3 Hour Rated, Add	*113.95*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.01	71.03
		For Spring Activated Horizontal Mount Operation, Add	*92.88*	
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	683.29	75.43
		For Spring Activated Horizontal Mount Operation, Add	*102.77*	
		For Dynamic Damper, Add	*246.64*	
		For 3 Hour Rated, Add	*137.02*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.58	77.69
		For Spring Activated Horizontal Mount Operation, Add	*111.01*	
		For Dynamic Damper, Add	*266.42*	
		For 3 Hour Rated, Add	*148.01*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	780.88	79.82
		For Spring Activated Horizontal Mount Operation, Add	*121.73*	
		For Dynamic Damper, Add	*292.15*	
		For 3 Hour Rated, Add	*162.30*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.14	84.35
		For Spring Activated Horizontal Mount Operation, Add	*131.61*	
		For Dynamic Damper, Add	*315.87*	
		For 3 Hour Rated, Add	*175.48*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	884.47	88.75
		For Spring Activated Horizontal Mount Operation, Add	*139.04*	
		For Dynamic Damper, Add	*333.69*	
		For 3 Hour Rated, Add	*185.39*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	948.40	95.42
		For Spring Activated Horizontal Mount Operation, Add	*148.93*	
		For Dynamic Damper, Add	*357.42*	
		For 3 Hour Rated, Add	*198.57*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	998.37	99.81
		For Spring Activated Horizontal Mount Operation, Add	*157.17*	
		For Dynamic Damper, Add	*377.21*	
		For 3 Hour Rated, Add	*209.56*	
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	397.19	39.98
		For Spring Activated Horizontal Mount Operation, Add	*62.38*	
		For Dynamic Damper, Add	*149.72*	
		For 3 Hour Rated, Add	*83.18*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.81	44.37
		For Spring Activated Horizontal Mount Operation, Add	*66.50*	
		For Dynamic Damper, Add	*159.60*	
		For 3 Hour Rated, Add	*88.67*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.16	48.77
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.12	53.31
		For Spring Activated Horizontal Mount Operation, Add	*69.80*	
		For Dynamic Damper, Add	*167.51*	
		For 3 Hour Rated, Add	*93.06*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.62	57.70
		For Spring Activated Horizontal Mount Operation, Add	*74.34*	
		For Dynamic Damper, Add	*178.41*	
		For 3 Hour Rated, Add	*99.11*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.08	62.10
		For Spring Activated Horizontal Mount Operation, Add	*78.86*	
		For Dynamic Damper, Add	*189.28*	
		For 3 Hour Rated, Add	*105.15*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	570.56	66.63
		For Spring Activated Horizontal Mount Operation, Add	*83.40*	
		For Dynamic Damper, Add	*200.16*	
		For 3 Hour Rated, Add	*111.20*	

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23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.02	71.03
		For Spring Activated Horizontal Mount Operation, Add	*87.93*	
		For Dynamic Damper, Add	*211.03*	
		For 3 Hour Rated, Add	*117.24*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	661.30	75.43
		For Spring Activated Horizontal Mount Operation, Add	*97.82*	
		For Dynamic Damper, Add	*234.77*	
		For 3 Hour Rated, Add	*130.43*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.94	77.69
		For Spring Activated Horizontal Mount Operation, Add	*107.71*	
		For Dynamic Damper, Add	*258.51*	
		For 3 Hour Rated, Add	*143.62*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.89	79.82
		For Spring Activated Horizontal Mount Operation, Add	*116.78*	
		For Dynamic Damper, Add	*280.27*	
		For 3 Hour Rated, Add	*155.71*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.52	84.35
		For Spring Activated Horizontal Mount Operation, Add	*128.32*	
		For Dynamic Damper, Add	*307.97*	
		For 3 Hour Rated, Add	*171.10*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	880.79	88.75
		For Spring Activated Horizontal Mount Operation, Add	*138.21*	
		For Dynamic Damper, Add	*331.71*	
		For 3 Hour Rated, Add	*184.28*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.73	93.15
		For Spring Activated Horizontal Mount Operation, Add	*148.93*	
		For Dynamic Damper, Add	*357.42*	
		For 3 Hour Rated, Add	*198.57*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	991.71	97.68
		For Spring Activated Horizontal Mount Operation, Add	*157.17*	
		For Dynamic Damper, Add	*377.21*	
		For 3 Hour Rated, Add	*209.56*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,052.66	102.08
		For Spring Activated Horizontal Mount Operation, Add	*167.89*	
		For Dynamic Damper, Add	*402.93*	
		For 3 Hour Rated, Add	*223.85*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,113.61	106.47
		For Spring Activated Horizontal Mount Operation, Add	*178.60*	
		For Dynamic Damper, Add	*428.65*	
		For 3 Hour Rated, Add	*238.14*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.49	44.37
		For Spring Activated Horizontal Mount Operation, Add	*64.85*	
		For Dynamic Damper, Add	*155.64*	
		For 3 Hour Rated, Add	*86.47*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.16	48.77
		For Spring Activated Horizontal Mount Operation, Add	*68.98*	
		For Dynamic Damper, Add	*165.55*	
		For 3 Hour Rated, Add	*91.97*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.78	53.31
		For Spring Activated Horizontal Mount Operation, Add	*70.62*	
		For Dynamic Damper, Add	*169.49*	
		For 3 Hour Rated, Add	*94.16*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	490.78	57.70
		For Spring Activated Horizontal Mount Operation, Add	*71.45*	
		For Dynamic Damper, Add	*171.47*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.10	62.10
		For Spring Activated Horizontal Mount Operation, Add	*76.39*	
		For Dynamic Damper, Add	*183.35*	
		For 3 Hour Rated, Add	*101.86*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	561.38	66.63
		For Spring Activated Horizontal Mount Operation, Add	*81.34*	
		For Dynamic Damper, Add	*195.20*	
		For 3 Hour Rated, Add	*108.45*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	598.52	71.03
		For Spring Activated Horizontal Mount Operation, Add	*86.69*	
		For Dynamic Damper, Add	*208.06*	
		For 3 Hour Rated, Add	*115.59*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	635.67	75.43
		For Spring Activated Horizontal Mount Operation, Add	*92.05*	
		For Dynamic Damper, Add	*220.92*	
		For 3 Hour Rated, Add	*122.74*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	689.95	77.69
		For Spring Activated Horizontal Mount Operation, Add	*102.77*	
		For Dynamic Damper, Add	*246.64*	
		For 3 Hour Rated, Add	*137.02*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.57	79.82
		For Spring Activated Horizontal Mount Operation, Add	*112.66*	
		For Dynamic Damper, Add	*270.38*	
		For 3 Hour Rated, Add	*150.21*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	801.55	84.35
		For Spring Activated Horizontal Mount Operation, Add	*123.38*	
		For Dynamic Damper, Add	*296.11*	
		For 3 Hour Rated, Add	*164.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	862.49	88.75
		For Spring Activated Horizontal Mount Operation, Add	*134.09*	
		For Dynamic Damper, Add	*321.82*	
		For 3 Hour Rated, Add	*178.79*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	912.44	93.15
		For Spring Activated Horizontal Mount Operation, Add	*142.34*	
		For Dynamic Damper, Add	*341.60*	
		For 3 Hour Rated, Add	*189.78*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	984.37	97.68
		For Spring Activated Horizontal Mount Operation, Add	*155.52*	
		For Dynamic Damper, Add	*373.25*	
		For 3 Hour Rated, Add	*207.36*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,048.99	102.08
		For Spring Activated Horizontal Mount Operation, Add	*167.06*	
		For Dynamic Damper, Add	*400.94*	
		For 3 Hour Rated, Add	*222.75*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,113.61	106.47
		For Spring Activated Horizontal Mount Operation, Add	*178.60*	
		For Dynamic Damper, Add	*428.65*	
		For 3 Hour Rated, Add	*238.14*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,170.87	111.01
		For Spring Activated Horizontal Mount Operation, Add	*188.49*	
		For Dynamic Damper, Add	*452.37*	
		For 3 Hour Rated, Add	*251.32*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,228.20	115.41
		For Spring Activated Horizontal Mount Operation, Add	*198.39*	
		For Dynamic Damper, Add	*476.13*	
		For 3 Hour Rated, Add	*264.52*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	141.96	26.65
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	148.31	26.65
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	174.61	30.25
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	181.51	30.25
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	218.65	33.32
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	237.64	33.32
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	264.08	37.05
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	296.62	41.71
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	337.06	47.57

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	159.86	30.25
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	177.15	30.25
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	200.75	33.32
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	223.06	33.32
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	252.84	37.05
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	266.44	37.05
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	297.05	41.71
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	328.42	47.57
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	383.16	55.57

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

23 33 13 19-0001 Combination Smoke/Fire Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	628.00	22.19
		For Dynamic Damper, Add	*303.17*	
		For 3 Hour Rated, Add	*168.43*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	644.69	23.19
		For Dynamic Damper, Add	*310.57*	
		For 3 Hour Rated, Add	*172.54*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.98	23.39
		For Dynamic Damper, Add	*318.07*	
		For 3 Hour Rated, Add	*176.70*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	622.33	23.39
		For Dynamic Damper, Add	*298.27*	
		For 3 Hour Rated, Add	*165.71*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.26	23.98
		For Dynamic Damper, Add	*305.26*	
		For 3 Hour Rated, Add	*169.59*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	671.21	26.59
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.26	23.98
		For Dynamic Damper, Add	*305.26*	
		For 3 Hour Rated, Add	*169.59*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	667.21	25.39
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.15	26.59
		For Dynamic Damper, Add	*326.26*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	707.16	29.99
		For Dynamic Damper, Add	*333.29*	
		For 3 Hour Rated, Add	*185.16*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.74	25.39
		For Dynamic Damper, Add	*315.78*	
		For 3 Hour Rated, Add	*175.43*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	684.15	26.59
		For Dynamic Damper, Add	*326.26*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	701.17	27.99
		For Dynamic Damper, Add	*333.29*	
		For 3 Hour Rated, Add	*185.16*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	720.18	29.99
		For Dynamic Damper, Add	*340.32*	
		For 3 Hour Rated, Add	*189.07*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	762.59	33.38
		For Dynamic Damper, Add	*357.83*	
		For 3 Hour Rated, Add	*198.80*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.76	26.59
		For Dynamic Damper, Add	*360.07*	
		For 3 Hour Rated, Add	*200.04*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	760.80	28.58
		For Dynamic Damper, Add	*364.42*	
		For 3 Hour Rated, Add	*202.46*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	776.85	31.39
		For Dynamic Damper, Add	*368.77*	
		For 3 Hour Rated, Add	*204.87*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	790.78	33.38
		For Dynamic Damper, Add	*373.05*	
		For 3 Hour Rated, Add	*207.25*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.88	36.58
		For Dynamic Damper, Add	*383.91*	
		For 3 Hour Rated, Add	*213.28*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.92	39.98
		For Dynamic Damper, Add	*394.73*	
		For 3 Hour Rated, Add	*219.30*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	758.81	27.99
		For Dynamic Damper, Add	*364.42*	
		For 3 Hour Rated, Add	*202.46*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	776.79	29.99
		For Dynamic Damper, Add	*370.89*	
		For 3 Hour Rated, Add	*206.05*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	798.89	33.38
		For Dynamic Damper, Add	*377.43*	
		For 3 Hour Rated, Add	*209.69*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	828.93	36.58
		For Dynamic Damper, Add	*388.25*	
		For 3 Hour Rated, Add	*215.70*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	854.92	39.98
		For Dynamic Damper, Add	*396.89*	
		For 3 Hour Rated, Add	*220.50*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	884.96	43.18
		For Dynamic Damper, Add	*407.72*	
		For 3 Hour Rated, Add	*226.51*	
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	907.00	46.58
		For Dynamic Damper, Add	*414.22*	
		For 3 Hour Rated, Add	*230.12*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	772.85	29.99
		For Dynamic Damper, Add	*368.77*	
		For 3 Hour Rated, Add	*204.87*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	798.83	33.38
		For Dynamic Damper, Add	*377.40*	
		For 3 Hour Rated, Add	*209.67*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	824.88	36.58
		For Dynamic Damper, Add	*386.07*	
		For 3 Hour Rated, Add	*214.48*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	867.02	39.98
		For Dynamic Damper, Add	*403.43*	
		For 3 Hour Rated, Add	*224.13*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	889.01	43.18
		For Dynamic Damper, Add	*409.90*	
		For 3 Hour Rated, Add	*227.72*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	911.00	46.58
		For Dynamic Damper, Add	*416.38*	
		For 3 Hour Rated, Add	*231.32*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	937.05	49.98
		For Dynamic Damper, Add	*425.05*	
		For 3 Hour Rated, Add	*236.14*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	963.03	53.18
		For Dynamic Damper, Add	*433.68*	
		For 3 Hour Rated, Add	*240.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.45	33.38
		For Dynamic Damper, Add	*373.42*	
		For 3 Hour Rated, Add	*207.45*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.68	36.58
		For Dynamic Damper, Add	*382.18*	
		For 3 Hour Rated, Add	*212.32*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.52	39.98
		For Dynamic Damper, Add	*388.04*	
		For 3 Hour Rated, Add	*215.58*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.67	43.18
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	882.78	46.58
		For Dynamic Damper, Add	*401.14*	
		For 3 Hour Rated, Add	*222.86*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	900.86	49.98
		For Dynamic Damper, Add	*405.51*	
		For 3 Hour Rated, Add	*225.28*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	927.04	53.18
		For Dynamic Damper, Add	*414.25*	
		For 3 Hour Rated, Add	*230.14*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	963.23	59.97
		For Dynamic Damper, Add	*423.00*	
		For 3 Hour Rated, Add	*235.00*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,004.83	66.57
		For Dynamic Damper, Add	*434.67*	
		For 3 Hour Rated, Add	*241.48*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	817.68	36.58
		For Dynamic Damper, Add	*382.18*	
		For 3 Hour Rated, Add	*212.32*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	838.52	39.98
		For Dynamic Damper, Add	*388.04*	
		For 3 Hour Rated, Add	*215.58*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	864.67	43.18
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.47	46.58
		For Dynamic Damper, Add	*402.60*	
		For 3 Hour Rated, Add	*223.67*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	908.97	49.98
		For Dynamic Damper, Add	*409.89*	
		For 3 Hour Rated, Add	*227.72*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.43	53.18
		For Dynamic Damper, Add	*417.16*	
		For 3 Hour Rated, Add	*231.76*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	968.61	59.97
		For Dynamic Damper, Add	*425.90*	
		For 3 Hour Rated, Add	*236.61*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,004.83	66.57
		For Dynamic Damper, Add	*434.67*	
		For 3 Hour Rated, Add	*241.48*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,047.22	69.97
		For Dynamic Damper, Add	*452.16*	
		For 3 Hour Rated, Add	*251.20*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,094.21	76.56
		For Dynamic Damper, Add	*466.74*	
		For 3 Hour Rated, Add	*259.30*	
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	854.67	39.98
		For Dynamic Damper, Add	*396.76*	
		For 3 Hour Rated, Add	*220.42*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	870.06	43.18
		For Dynamic Damper, Add	*399.67*	
		For 3 Hour Rated, Add	*222.04*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	885.47	46.58
		For Dynamic Damper, Add	*402.60*	
		For 3 Hour Rated, Add	*223.67*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	906.24	49.98
		For Dynamic Damper, Add	*408.41*	
		For 3 Hour Rated, Add	*226.90*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	933.43	53.18
		For Dynamic Damper, Add	*417.70*	
		For 3 Hour Rated, Add	*232.06*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	968.61	59.97
		For Dynamic Damper, Add	*425.90*	
		For 3 Hour Rated, Add	*236.61*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,010.25	66.57
		For Dynamic Damper, Add	*437.59*	
		For 3 Hour Rated, Add	*243.11*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,051.86	73.16
		For Dynamic Damper, Add	*449.27*	
		For 3 Hour Rated, Add	*249.59*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,094.21	76.56
		For Dynamic Damper, Add	*466.74*	
		For 3 Hour Rated, Add	*259.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,148.03	81.96
		For Dynamic Damper, Add	*487.17*	
		For 3 Hour Rated, Add	*270.65*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,205.18	86.55
		For Dynamic Damper, Add	*510.48*	
		For 3 Hour Rated, Add	*283.60*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	897.78	43.18
		For Dynamic Damper, Add	*414.64*	
		For 3 Hour Rated, Add	*230.36*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.48	46.58
		For Dynamic Damper, Add	*420.96*	
		For 3 Hour Rated, Add	*233.87*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.22	49.98
		For Dynamic Damper, Add	*427.30*	
		For 3 Hour Rated, Add	*237.39*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	968.84	53.18
		For Dynamic Damper, Add	*436.82*	
		For 3 Hour Rated, Add	*242.68*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	997.66	59.97
		For Dynamic Damper, Add	*441.59*	
		For 3 Hour Rated, Add	*245.33*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,016.46	63.17
		For Dynamic Damper, Add	*446.34*	
		For 3 Hour Rated, Add	*247.97*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,075.81	73.16
		For Dynamic Damper, Add	*462.20*	
		For 3 Hour Rated, Add	*256.78*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,125.10	79.96
		For Dynamic Damper, Add	*478.02*	
		For 3 Hour Rated, Add	*265.57*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,168.31	82.55
		For Dynamic Damper, Add	*497.04*	
		For 3 Hour Rated, Add	*276.14*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,233.28	88.56
		For Dynamic Damper, Add	*522.41*	
		For 3 Hour Rated, Add	*290.23*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,288.30	93.15
		For Dynamic Damper, Add	*544.57*	
		For 3 Hour Rated, Add	*302.54*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,345.26	96.54
		For Dynamic Damper, Add	*569.93*	
		For 3 Hour Rated, Add	*316.63*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,443.53	49.98
		For Dynamic Damper, Add	*703.95*	
		For 3 Hour Rated, Add	*391.08*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,485.00	53.18
		For Dynamic Damper, Add	*720.94*	
		For 3 Hour Rated, Add	*400.52*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,502.89	56.57
		For Dynamic Damper, Add	*725.21*	
		For 3 Hour Rated, Add	*402.89*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,520.80	59.97
		For Dynamic Damper, Add	*729.48*	
		For 3 Hour Rated, Add	*405.27*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,568.35	63.17
		For Dynamic Damper, Add	*744.36*	
		For 3 Hour Rated, Add	*413.54*	
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,605.96	66.57
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,667.47	76.56
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,718.93	83.15
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,782.25	88.56
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,882.84	93.15
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,946.07	98.55
		For Dynamic Damper, Add	*891.12*	
		For 3 Hour Rated, Add	*495.07*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,040.78	101.14
		For Dynamic Damper, Add	*937.95*	
		For 3 Hour Rated, Add	*521.08*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,135.56	106.54
		For Dynamic Damper, Add	*980.50*	
		For 3 Hour Rated, Add	*544.72*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,469.29	49.98
		For Dynamic Damper, Add	*712.46*	
		For 3 Hour Rated, Add	*395.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,510.80	53.18
		For Dynamic Damper, Add	*729.48*	
		For 3 Hour Rated, Add	*405.27*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,544.46	56.57
		For Dynamic Damper, Add	*742.26*	
		For 3 Hour Rated, Add	*412.37*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,562.35	59.97
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,603.87	63.17
		For Dynamic Damper, Add	*763.54*	
		For 3 Hour Rated, Add	*424.19*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,645.34	66.57
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,724.74	79.96
		For Dynamic Damper, Add	*801.83*	
		For 3 Hour Rated, Add	*445.46*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,784.05	86.55
		For Dynamic Damper, Add	*823.07*	
		For 3 Hour Rated, Add	*457.26*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,882.84	93.15
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,973.73	99.94
		For Dynamic Damper, Add	*903.91*	
		For 3 Hour Rated, Add	*502.17*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,072.47	106.54
		For Dynamic Damper, Add	*946.43*	
		For 3 Hour Rated, Add	*525.80*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,153.36	109.74
		For Dynamic Damper, Add	*984.71*	
		For 3 Hour Rated, Add	*547.06*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,234.31	113.14
		For Dynamic Damper, Add	*1,023.02*	
		For 3 Hour Rated, Add	*568.35*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,315.24	116.53
		For Dynamic Damper, Add	*1,061.33*	
		For 3 Hour Rated, Add	*589.63*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,502.89	53.18
		For Dynamic Damper, Add	*725.21*	
		For 3 Hour Rated, Add	*402.89*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,544.46	56.57
		For Dynamic Damper, Add	*742.26*	
		For 3 Hour Rated, Add	*412.37*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,562.35	59.97
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,605.96	66.57
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,657.47	73.16
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,708.93	79.96
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,776.24	86.55
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,843.46	93.15
		For Dynamic Damper, Add	*844.35*	
		For 3 Hour Rated, Add	*469.09*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,934.35	99.94
		For Dynamic Damper, Add	*882.64*	
		For 3 Hour Rated, Add	*490.36*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,040.95	106.54
		For Dynamic Damper, Add	*929.41*	
		For 3 Hour Rated, Add	*516.34*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,121.94	109.74
		For Dynamic Damper, Add	*967.74*	
		For 3 Hour Rated, Add	*537.64*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,226.40	113.14
		For Dynamic Damper, Add	*1,018.75*	
		For 3 Hour Rated, Add	*565.97*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,317.34	119.73
		For Dynamic Damper, Add	*1,057.07*	
		For 3 Hour Rated, Add	*587.26*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,421.89	123.13
		For Dynamic Damper, Add	*1,108.13*	
		For 3 Hour Rated, Add	*615.63*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,514.87	133.13
		For Dynamic Damper, Add	*1,142.14*	
		For 3 Hour Rated, Add	*634.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,536.56	56.57
		For Dynamic Damper, Add	*737.99*	
		For 3 Hour Rated, Add	*410.00*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,578.07	59.97
		For Dynamic Damper, Add	*755.01*	
		For 3 Hour Rated, Add	*419.45*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,629.58	66.57
		For Dynamic Damper, Add	*772.03*	
		For 3 Hour Rated, Add	*428.91*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,657.47	73.16
		For Dynamic Damper, Add	*776.30*	
		For 3 Hour Rated, Add	*431.28*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,712.93	79.96
		For Dynamic Damper, Add	*795.45*	
		For 3 Hour Rated, Add	*441.92*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,768.34	86.55
		For Dynamic Damper, Add	*814.58*	
		For 3 Hour Rated, Add	*452.55*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,835.61	93.15
		For Dynamic Damper, Add	*840.12*	
		For 3 Hour Rated, Add	*466.73*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,902.83	99.94
		For Dynamic Damper, Add	*865.62*	
		For 3 Hour Rated, Add	*480.90*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,993.72	106.54
		For Dynamic Damper, Add	*903.91*	
		For 3 Hour Rated, Add	*502.17*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,108.28	113.14
		For Dynamic Damper, Add	*954.97*	
		For 3 Hour Rated, Add	*530.54*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,196.97	116.53
		For Dynamic Damper, Add	*997.47*	
		For 3 Hour Rated, Add	*554.15*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,309.48	119.73
		For Dynamic Damper, Add	*1,052.82*	
		For 3 Hour Rated, Add	*584.90*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,423.94	126.53
		For Dynamic Damper, Add	*1,103.84*	
		For 3 Hour Rated, Add	*613.24*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,514.87	133.13
		For Dynamic Damper, Add	*1,142.14*	
		For 3 Hour Rated, Add	*634.52*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,639.35	143.12
		For Dynamic Damper, Add	*1,193.18*	
		For 3 Hour Rated, Add	*662.88*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,738.14	149.72
		For Dynamic Damper, Add	*1,235.73*	
		For 3 Hour Rated, Add	*686.52*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,562.35	59.97
		For Dynamic Damper, Add	*746.52*	
		For 3 Hour Rated, Add	*414.74*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,621.67	66.57
		For Dynamic Damper, Add	*767.76*	
		For 3 Hour Rated, Add	*426.53*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,665.33	73.16
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,693.17	79.96
		For Dynamic Damper, Add	*784.78*	
		For 3 Hour Rated, Add	*435.99*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,756.53	86.55
		For Dynamic Damper, Add	*808.21*	
		For 3 Hour Rated, Add	*449.00*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,819.85	93.15
		For Dynamic Damper, Add	*831.61*	
		For 3 Hour Rated, Add	*462.00*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,883.12	99.94
		For Dynamic Damper, Add	*854.98*	
		For 3 Hour Rated, Add	*474.99*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,946.44	106.54
		For Dynamic Damper, Add	*878.37*	
		For 3 Hour Rated, Add	*487.99*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,060.95	113.14
		For Dynamic Damper, Add	*929.41*	
		For 3 Hour Rated, Add	*516.34*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,165.55	116.53
		For Dynamic Damper, Add	*980.50*	
		For 3 Hour Rated, Add	*544.72*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,262.15	119.73
		For Dynamic Damper, Add	*1,027.26*	
		For 3 Hour Rated, Add	*570.70*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,392.46	126.53
		For Dynamic Damper, Add	*1,086.84*	
		For 3 Hour Rated, Add	*603.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,506.97	133.13
		For Dynamic Damper, Add	*1,137.88*	
		For 3 Hour Rated, Add	*632.15*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,629.37	139.72
		For Dynamic Damper, Add	*1,193.18*	
		For 3 Hour Rated, Add	*662.88*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,728.15	146.52
		For Dynamic Damper, Add	*1,235.73*	
		For 3 Hour Rated, Add	*686.52*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,850.56	153.12
		For Dynamic Damper, Add	*1,291.04*	
		For 3 Hour Rated, Add	*717.24*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,972.97	159.71
		For Dynamic Damper, Add	*1,346.34*	
		For 3 Hour Rated, Add	*747.97*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,605.96	66.57
		For Dynamic Damper, Add	*759.28*	
		For 3 Hour Rated, Add	*421.82*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,665.33	73.16
		For Dynamic Damper, Add	*780.54*	
		For 3 Hour Rated, Add	*433.64*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,701.08	79.96
		For Dynamic Damper, Add	*789.05*	
		For 3 Hour Rated, Add	*438.36*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,728.91	86.55
		For Dynamic Damper, Add	*793.29*	
		For 3 Hour Rated, Add	*440.72*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,796.23	93.15
		For Dynamic Damper, Add	*818.85*	
		For 3 Hour Rated, Add	*454.92*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,863.45	99.94
		For Dynamic Damper, Add	*844.35*	
		For 3 Hour Rated, Add	*469.09*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,934.63	106.54
		For Dynamic Damper, Add	*872.00*	
		For 3 Hour Rated, Add	*484.44*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,005.86	113.14
		For Dynamic Damper, Add	*899.66*	
		For 3 Hour Rated, Add	*499.81*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,118.27	116.53
		For Dynamic Damper, Add	*954.97*	
		For 3 Hour Rated, Add	*530.54*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,222.78	119.73
		For Dynamic Damper, Add	*1,006.00*	
		For 3 Hour Rated, Add	*558.89*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,345.23	126.53
		For Dynamic Damper, Add	*1,061.33*	
		For 3 Hour Rated, Add	*589.63*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,467.64	133.13
		For Dynamic Damper, Add	*1,116.64*	
		For 3 Hour Rated, Add	*620.36*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,566.38	139.72
		For Dynamic Damper, Add	*1,159.16*	
		For 3 Hour Rated, Add	*643.98*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,712.39	146.52
		For Dynamic Damper, Add	*1,227.22*	
		For 3 Hour Rated, Add	*681.79*	
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,842.70	153.12
		For Dynamic Damper, Add	*1,286.79*	
		For 3 Hour Rated, Add	*714.89*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,972.97	159.71
		For Dynamic Damper, Add	*1,346.34*	
		For 3 Hour Rated, Add	*747.97*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,087.42	166.51
		For Dynamic Damper, Add	*1,397.35*	
		For 3 Hour Rated, Add	*776.31*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,202.07	173.11
		For Dynamic Damper, Add	*1,448.47*	
		For 3 Hour Rated, Add	*804.71*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.32	14.79
		For Dynamic Damper, Add	*51.27*	
		For 3 Hour Rated, Add	*28.49*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	143.71	15.46
		For Dynamic Damper, Add	*52.56*	
		For 3 Hour Rated, Add	*29.20*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.39	15.59
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	146.39	15.59
		For Dynamic Damper, Add	*53.87*	
		For 3 Hour Rated, Add	*29.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.13	16.00
		For Dynamic Damper, Add	*55.16*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	160.25	17.73
		For Dynamic Damper, Add	*57.75*	
		For 3 Hour Rated, Add	*32.08*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	150.13	16.00
		For Dynamic Damper, Add	*55.16*	
		For 3 Hour Rated, Add	*30.65*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.58	16.92
		For Dynamic Damper, Add	*57.75*	
		For 3 Hour Rated, Add	*32.08*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.67	17.73
		For Dynamic Damper, Add	*59.05*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.73	19.99
		For Dynamic Damper, Add	*60.35*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	156.39	16.92
		For Dynamic Damper, Add	*57.11*	
		For 3 Hour Rated, Add	*31.73*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.67	17.73
		For Dynamic Damper, Add	*59.05*	
		For 3 Hour Rated, Add	*32.81*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.73	18.66
		For Dynamic Damper, Add	*60.35*	
		For 3 Hour Rated, Add	*33.53*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.15	19.99
		For Dynamic Damper, Add	*61.66*	
		For 3 Hour Rated, Add	*34.25*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.81	22.25
		For Dynamic Damper, Add	*64.90*	
		For 3 Hour Rated, Add	*36.05*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	250.22	17.73
		For Dynamic Damper, Add	*106.33*	
		For 3 Hour Rated, Add	*59.07*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.60	19.05
		For Dynamic Damper, Add	*107.62*	
		For 3 Hour Rated, Add	*59.79*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	264.35	20.92
		For Dynamic Damper, Add	*108.93*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.73	22.25
		For Dynamic Damper, Add	*110.21*	
		For 3 Hour Rated, Add	*61.23*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	283.44	24.38
		For Dynamic Damper, Add	*113.48*	
		For 3 Hour Rated, Add	*63.04*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.11	26.65
		For Dynamic Damper, Add	*116.72*	
		For 3 Hour Rated, Add	*64.85*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.27	18.66
		For Dynamic Damper, Add	*107.62*	
		For 3 Hour Rated, Add	*59.79*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	262.88	19.99
		For Dynamic Damper, Add	*109.57*	
		For 3 Hour Rated, Add	*60.87*	
23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.17	22.25
		For Dynamic Damper, Add	*111.53*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.84	24.38
		For Dynamic Damper, Add	*114.77*	
		For 3 Hour Rated, Add	*63.76*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.30	26.65
		For Dynamic Damper, Add	*117.36*	
		For 3 Hour Rated, Add	*65.20*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.97	28.78
		For Dynamic Damper, Add	*120.61*	
		For 3 Hour Rated, Add	*67.01*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.25	31.05
		For Dynamic Damper, Add	*122.56*	
		For 3 Hour Rated, Add	*68.09*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	261.69	19.99
		For Dynamic Damper, Add	*108.93*	
		For 3 Hour Rated, Add	*60.52*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	273.15	22.25
		For Dynamic Damper, Add	*111.52*	
		For 3 Hour Rated, Add	*61.96*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	284.63	24.38
		For Dynamic Damper, Add	*114.12*	
		For 3 Hour Rated, Add	*63.40*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	300.92	26.65
		For Dynamic Damper, Add	*119.32*	
		For 3 Hour Rated, Add	*66.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	311.18	28.78
		For Dynamic Damper, Add	*121.27*	
		For 3 Hour Rated, Add	*67.37*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.46	31.05
		For Dynamic Damper, Add	*123.22*	
		For 3 Hour Rated, Add	*68.45*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.91	33.32
		For Dynamic Damper, Add	*125.80*	
		For 3 Hour Rated, Add	*69.89*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	344.38	35.45
		For Dynamic Damper, Add	*128.40*	
		For 3 Hour Rated, Add	*71.33*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	345.58	22.25
		For Dynamic Damper, Add	*150.63*	
		For 3 Hour Rated, Add	*83.69*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.48	24.38
		For Dynamic Damper, Add	*154.54*	
		For 3 Hour Rated, Add	*85.85*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.96	26.65
		For Dynamic Damper, Add	*157.14*	
		For 3 Hour Rated, Add	*87.30*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.82	28.78
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.10	31.05
		For Dynamic Damper, Add	*162.98*	
		For 3 Hour Rated, Add	*90.55*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.35	33.32
		For Dynamic Damper, Add	*164.92*	
		For 3 Hour Rated, Add	*91.62*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.23	35.45
		For Dynamic Damper, Add	*168.81*	
		For 3 Hour Rated, Add	*93.79*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	439.77	39.98
		For Dynamic Damper, Add	*172.71*	
		For 3 Hour Rated, Add	*95.95*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.73	44.37
		For Dynamic Damper, Add	*177.91*	
		For 3 Hour Rated, Add	*98.84*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.48	24.38
		For Dynamic Damper, Add	*154.54*	
		For 3 Hour Rated, Add	*85.85*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.96	26.65
		For Dynamic Damper, Add	*157.14*	
		For 3 Hour Rated, Add	*87.30*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.82	28.78
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.29	31.05
		For Dynamic Damper, Add	*163.63*	
		For 3 Hour Rated, Add	*90.90*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	408.96	33.32
		For Dynamic Damper, Add	*166.87*	
		For 3 Hour Rated, Add	*92.71*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	421.63	35.45
		For Dynamic Damper, Add	*170.11*	
		For 3 Hour Rated, Add	*94.51*	
23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.17	39.98
		For Dynamic Damper, Add	*174.01*	
		For 3 Hour Rated, Add	*96.67*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	462.73	44.37
		For Dynamic Damper, Add	*177.91*	
		For 3 Hour Rated, Add	*98.84*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.80	46.64
		For Dynamic Damper, Add	*185.70*	
		For 3 Hour Rated, Add	*103.16*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.16	51.04
		For Dynamic Damper, Add	*192.19*	
		For 3 Hour Rated, Add	*106.77*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.17	26.65
		For Dynamic Damper, Add	*161.03*	
		For 3 Hour Rated, Add	*89.46*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	387.20	28.78
		For Dynamic Damper, Add	*162.32*	
		For 3 Hour Rated, Add	*90.18*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.29	31.05
		For Dynamic Damper, Add	*163.63*	
		For 3 Hour Rated, Add	*90.90*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.75	33.32
		For Dynamic Damper, Add	*166.22*	
		For 3 Hour Rated, Add	*92.34*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	422.09	35.45
		For Dynamic Damper, Add	*170.36*	
		For 3 Hour Rated, Add	*94.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.17	39.98
		For Dynamic Damper, Add	*174.01*	
		For 3 Hour Rated, Add	*96.67*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.13	44.37
		For Dynamic Damper, Add	*179.21*	
		For 3 Hour Rated, Add	*99.56*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	488.09	48.77
		For Dynamic Damper, Add	*184.41*	
		For 3 Hour Rated, Add	*102.45*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.16	51.04
		For Dynamic Damper, Add	*192.19*	
		For 3 Hour Rated, Add	*106.77*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	536.66	54.63
		For Dynamic Damper, Add	*201.29*	
		For 3 Hour Rated, Add	*111.83*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	565.21	57.70
		For Dynamic Damper, Add	*211.66*	
		For 3 Hour Rated, Add	*117.59*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.15	28.78
		For Dynamic Damper, Add	*167.15*	
		For 3 Hour Rated, Add	*92.86*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.85	31.05
		For Dynamic Damper, Add	*169.87*	
		For 3 Hour Rated, Add	*94.37*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.53	33.32
		For Dynamic Damper, Add	*172.58*	
		For 3 Hour Rated, Add	*95.88*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.77	35.45
		For Dynamic Damper, Add	*176.67*	
		For 3 Hour Rated, Add	*98.15*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	450.89	39.98
		For Dynamic Damper, Add	*178.72*	
		For 3 Hour Rated, Add	*99.29*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.34	42.11
		For Dynamic Damper, Add	*180.76*	
		For 3 Hour Rated, Add	*100.42*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	493.92	48.77
		For Dynamic Damper, Add	*187.56*	
		For 3 Hour Rated, Add	*104.20*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.81	53.31
		For Dynamic Damper, Add	*194.35*	
		For 3 Hour Rated, Add	*107.97*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	540.27	55.04
		For Dynamic Damper, Add	*202.52*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.39	59.03
		For Dynamic Damper, Add	*213.39*	
		For 3 Hour Rated, Add	*118.55*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.36	62.10
		For Dynamic Damper, Add	*222.91*	
		For 3 Hour Rated, Add	*123.84*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.17	64.36
		For Dynamic Damper, Add	*233.79*	
		For 3 Hour Rated, Add	*129.88*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.85	33.32
		For Dynamic Damper, Add	*196.87*	
		For 3 Hour Rated, Add	*109.37*	
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.58	35.45
		For Dynamic Damper, Add	*202.31*	
		For 3 Hour Rated, Add	*112.39*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.77	37.71
		For Dynamic Damper, Add	*203.67*	
		For 3 Hour Rated, Add	*113.15*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.95	39.98
		For Dynamic Damper, Add	*205.03*	
		For 3 Hour Rated, Add	*113.90*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.11	42.11
		For Dynamic Damper, Add	*209.80*	
		For 3 Hour Rated, Add	*116.55*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.59	44.37
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.65	51.04
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	584.06	55.44
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.82	59.03
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.86	62.10
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.61	65.70
		For Dynamic Damper, Add	*256.71*	
		For 3 Hour Rated, Add	*142.62*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	705.65	67.43
		For Dynamic Damper, Add	*271.67*	
		For 3 Hour Rated, Add	*150.93*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	741.52	71.03
		For Dynamic Damper, Add	*285.28*	
		For 3 Hour Rated, Add	*158.49*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.56	33.32
		For Dynamic Damper, Add	*199.59*	
		For 3 Hour Rated, Add	*110.89*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.29	35.45
		For Dynamic Damper, Add	*205.03*	
		For 3 Hour Rated, Add	*113.90*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.53	37.71
		For Dynamic Damper, Add	*209.12*	
		For 3 Hour Rated, Add	*116.18*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.72	39.98
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.45	42.11
		For Dynamic Damper, Add	*215.92*	
		For 3 Hour Rated, Add	*119.96*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.18	44.37
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.44	53.31
		For Dynamic Damper, Add	*228.17*	
		For 3 Hour Rated, Add	*126.76*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	608.34	57.70
		For Dynamic Damper, Add	*234.95*	
		For 3 Hour Rated, Add	*130.53*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.86	62.10
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.86	66.63
		For Dynamic Damper, Add	*260.80*	
		For 3 Hour Rated, Add	*144.89*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	721.35	71.03
		For Dynamic Damper, Add	*274.39*	
		For 3 Hour Rated, Add	*152.44*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.68	73.16
		For Dynamic Damper, Add	*286.63*	
		For 3 Hour Rated, Add	*159.24*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	780.03	75.43
		For Dynamic Damper, Add	*298.88*	
		For 3 Hour Rated, Add	*166.04*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	809.36	77.69
		For Dynamic Damper, Add	*311.12*	
		For 3 Hour Rated, Add	*172.85*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	483.77	35.45
		For Dynamic Damper, Add	*203.67*	
		For 3 Hour Rated, Add	*113.15*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.53	37.71
		For Dynamic Damper, Add	*209.12*	
		For 3 Hour Rated, Add	*116.18*	
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.72	39.98
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.59	44.37
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.99	48.77
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.39	53.31
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	605.83	57.70
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	634.26	62.10
		For Dynamic Damper, Add	*241.75*	
		For 3 Hour Rated, Add	*134.31*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.25	66.63
		For Dynamic Damper, Add	*253.99*	
		For 3 Hour Rated, Add	*141.11*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.28	71.03
		For Dynamic Damper, Add	*268.95*	
		For 3 Hour Rated, Add	*149.42*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	740.63	73.16
		For Dynamic Damper, Add	*281.21*	
		For 3 Hour Rated, Add	*156.23*	

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23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	777.51	75.43
		For Dynamic Damper, Add	*297.52*	
		For 3 Hour Rated, Add	*165.29*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	813.50	79.82
		For Dynamic Damper, Add	*309.76*	
		For 3 Hour Rated, Add	*172.09*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.39	82.09
		For Dynamic Damper, Add	*326.08*	
		For 3 Hour Rated, Add	*181.16*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	890.52	88.75
		For Dynamic Damper, Add	*336.96*	
		For 3 Hour Rated, Add	*187.20*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	498.01	37.71
		For Dynamic Damper, Add	*207.76*	
		For 3 Hour Rated, Add	*115.42*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.74	39.98
		For Dynamic Damper, Add	*213.20*	
		For 3 Hour Rated, Add	*118.44*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.14	44.37
		For Dynamic Damper, Add	*218.64*	
		For 3 Hour Rated, Add	*121.46*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.99	48.77
		For Dynamic Damper, Add	*220.00*	
		For 3 Hour Rated, Add	*122.22*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.66	53.31
		For Dynamic Damper, Add	*226.13*	
		For 3 Hour Rated, Add	*125.63*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	603.31	57.70
		For Dynamic Damper, Add	*232.24*	
		For 3 Hour Rated, Add	*129.02*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.75	62.10
		For Dynamic Damper, Add	*240.40*	
		For 3 Hour Rated, Add	*133.55*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	660.18	66.63
		For Dynamic Damper, Add	*248.56*	
		For 3 Hour Rated, Add	*138.09*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	696.19	71.03
		For Dynamic Damper, Add	*260.80*	
		For 3 Hour Rated, Add	*144.89*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	739.72	75.43
		For Dynamic Damper, Add	*277.11*	
		For 3 Hour Rated, Add	*153.95*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	771.56	77.69
		For Dynamic Damper, Add	*290.71*	
		For 3 Hour Rated, Add	*161.51*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	810.98	79.82
		For Dynamic Damper, Add	*308.40*	
		For 3 Hour Rated, Add	*171.33*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	854.51	84.35
		For Dynamic Damper, Add	*324.71*	
		For 3 Hour Rated, Add	*180.39*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	890.52	88.75
		For Dynamic Damper, Add	*336.96*	
		For 3 Hour Rated, Add	*187.20*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	940.73	95.42
		For Dynamic Damper, Add	*353.28*	
		For 3 Hour Rated, Add	*196.27*	
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	979.25	99.81
		For Dynamic Damper, Add	*366.89*	
		For 3 Hour Rated, Add	*203.83*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	509.72	39.98
		For Dynamic Damper, Add	*210.49*	
		For 3 Hour Rated, Add	*116.94*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.62	44.37
		For Dynamic Damper, Add	*217.27*	
		For 3 Hour Rated, Add	*120.71*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.51	48.77
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	572.33	53.31
		For Dynamic Damper, Add	*222.71*	
		For 3 Hour Rated, Add	*123.73*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.53	57.70
		For Dynamic Damper, Add	*230.20*	
		For 3 Hour Rated, Add	*127.89*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.71	62.10
		For Dynamic Damper, Add	*237.68*	
		For 3 Hour Rated, Add	*132.04*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	653.88	66.63
		For Dynamic Damper, Add	*245.15*	
		For 3 Hour Rated, Add	*136.20*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	681.06	71.03
		For Dynamic Damper, Add	*252.63*	
		For 3 Hour Rated, Add	*140.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	724.61	75.43
		For Dynamic Damper, Add	*268.95*	
		For 3 Hour Rated, Add	*149.42*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	761.51	77.69
		For Dynamic Damper, Add	*285.28*	
		For 3 Hour Rated, Add	*158.49*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	795.87	79.82
		For Dynamic Damper, Add	*300.24*	
		For 3 Hour Rated, Add	*166.80*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	844.46	84.35
		For Dynamic Damper, Add	*319.28*	
		For 3 Hour Rated, Add	*177.38*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.00	88.75
		For Dynamic Damper, Add	*335.60*	
		For 3 Hour Rated, Add	*186.44*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	934.06	93.15
		For Dynamic Damper, Add	*353.28*	
		For 3 Hour Rated, Add	*196.27*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	972.59	97.68
		For Dynamic Damper, Add	*366.89*	
		For 3 Hour Rated, Add	*203.83*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,018.66	102.08
		For Dynamic Damper, Add	*384.57*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,064.72	106.47
		For Dynamic Damper, Add	*402.25*	
		For 3 Hour Rated, Add	*223.47*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	530.59	44.37
		For Dynamic Damper, Add	*214.56*	
		For 3 Hour Rated, Add	*119.20*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.51	48.77
		For Dynamic Damper, Add	*221.36*	
		For 3 Hour Rated, Add	*122.98*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.86	53.31
		For Dynamic Damper, Add	*224.07*	
		For 3 Hour Rated, Add	*124.49*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	590.72	57.70
		For Dynamic Damper, Add	*225.44*	
		For 3 Hour Rated, Add	*125.24*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	619.16	62.10
		For Dynamic Damper, Add	*233.60*	
		For 3 Hour Rated, Add	*129.78*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	647.58	66.63
		For Dynamic Damper, Add	*241.75*	
		For 3 Hour Rated, Add	*134.31*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.28	71.03
		For Dynamic Damper, Add	*250.59*	
		For 3 Hour Rated, Add	*139.22*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	706.98	75.43
		For Dynamic Damper, Add	*259.43*	
		For 3 Hour Rated, Add	*144.13*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	746.38	77.69
		For Dynamic Damper, Add	*277.11*	
		For 3 Hour Rated, Add	*153.95*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	783.26	79.82
		For Dynamic Damper, Add	*293.43*	
		For 3 Hour Rated, Add	*163.02*	
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	829.35	84.35
		For Dynamic Damper, Add	*311.12*	
		For 3 Hour Rated, Add	*172.85*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	875.41	88.75
		For Dynamic Damper, Add	*328.80*	
		For 3 Hour Rated, Add	*182.67*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	913.91	93.15
		For Dynamic Damper, Add	*342.40*	
		For 3 Hour Rated, Add	*190.22*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	967.53	97.68
		For Dynamic Damper, Add	*364.15*	
		For 3 Hour Rated, Add	*202.31*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,016.12	102.08
		For Dynamic Damper, Add	*383.19*	
		For 3 Hour Rated, Add	*212.89*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,064.72	106.47
		For Dynamic Damper, Add	*402.25*	
		For 3 Hour Rated, Add	*223.47*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,108.24	111.01
		For Dynamic Damper, Add	*418.55*	
		For 3 Hour Rated, Add	*232.53*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,151.82	115.41
		For Dynamic Damper, Add	*434.88*	
		For 3 Hour Rated, Add	*241.60*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0001		Horizontally Mounted Backdraft Damper *(23 33 13 23)*		
		Note: Galvanized steel frame, aluminum blades. Exclude motor pack.		
23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	120.38	14.79
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	147.70	15.46
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	181.73	15.59
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	173.30	15.59
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	164.58	16.00
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	199.06	17.73
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	152.92	16.00
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	193.23	17.73
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	183.35	18.66
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	212.83	19.99
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	173.07	16.92
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	174.85	18.66
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	208.60	19.99
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	180.96	22.25
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	206.68	24.38
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	193.23	17.73
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	195.84	19.99
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	175.52	22.25
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	197.28	22.25
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	225.74	24.38
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	254.15	26.65
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	170.62	18.66
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	157.95	19.99
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	189.10	22.25
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	220.26	24.38
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	251.42	26.65
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	288.85	28.78
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	327.46	33.32
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	259.94	35.45
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	303.90	39.98
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	187.35	19.99
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	175.52	22.25
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	209.38	24.38
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	243.28	26.65
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	283.24	28.78
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	317.99	31.05
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	259.94	35.45
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	276.96	35.45
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	324.34	39.98
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	371.73	44.37
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	341.26	48.77
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	378.90	53.31
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	164.61	22.25
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	203.95	24.38
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	243.28	26.65
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	288.85	28.78
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	243.03	33.32
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	270.14	35.45
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	303.90	39.98
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	324.34	39.98
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	378.55	44.37
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	350.97	48.77
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	393.51	53.31
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	436.02	57.70
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	420.17	62.10
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	456.84	66.63
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	480.20	66.63
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	180.96	22.25
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	225.74	24.38
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	283.24	28.78
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	243.03	33.32
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	273.55	35.45
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	310.73	39.98
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	347.91	44.37
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	371.73	44.37
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	350.97	48.77
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	398.38	53.31
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	445.77	57.70
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	445.15	66.63
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	472.42	66.63
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	512.98	71.03
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	553.57	75.43
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	580.84	75.43
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	573.72	79.82
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	597.54	79.82
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	203.95	24.38
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	266.39	28.78
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	317.99	31.05
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	270.14	35.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	310.73	39.98
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	351.29	44.37
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	308.45	44.37
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	341.26	48.77
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	393.51	53.31
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	445.77	57.70
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	449.06	66.63
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	480.20	66.63
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	524.67	71.03
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	569.14	75.43
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	566.89	79.82
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	594.16	79.82
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	634.72	84.35
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	661.99	84.35
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	640.26	88.75
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	663.61	88.75
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	700.29	93.15
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	220.26	24.38
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	295.52	31.05
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	259.94	35.45
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	303.90	39.98
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	347.91	44.37
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	308.45	44.37
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	343.68	48.77
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	378.90	53.31
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	436.02	57.70
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	445.15	66.63
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	480.20	66.63
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	528.55	71.03
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	576.93	75.43
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	577.10	79.82
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	621.11	84.35
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	651.75	84.35
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	634.43	88.75
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	660.70	88.75
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	700.29	93.15
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	726.56	93.15
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	752.87	93.15
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	243.28	26.65
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	324.65	33.32
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	276.96	35.45
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	324.34	39.98
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	371.73	44.37
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	341.26	48.77
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	378.90	53.31
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	416.54	57.70
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	420.17	62.10
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	472.42	66.63
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	524.67	71.03
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	576.93	75.43
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	580.51	79.82
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	627.90	84.35
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	661.99	84.35
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	631.51	88.75
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	272.00	28.78
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	256.52	35.45
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	307.31	39.98
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	358.11	44.37
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	333.94	48.77
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	374.03	53.31
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	400.80	53.31
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	440.89	57.70
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	456.84	66.63
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	512.98	71.03
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	569.14	75.43
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	577.10	79.82
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	627.90	84.35
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	665.36	84.35
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	651.95	88.75
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	667.98	88.75
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	295.52	31.05
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	270.14	35.45
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	324.34	39.98
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	308.45	44.37
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	350.97	48.77
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	393.51	53.31
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	436.02	57.70
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	420.17	62.10
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	480.20	66.63
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	553.57	75.43
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	566.89	79.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	621.11	84.35
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	661.99	84.35
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	651.95	88.75
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	700.29	93.15
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	717.81	93.15
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	303.95	31.05
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	290.28	39.98
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	346.20	44.37
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	329.07	48.77
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	372.82	53.31
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	416.54	57.70
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	460.30	62.10
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	443.19	66.63
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	505.19	71.03
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	567.19	75.43
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	580.51	79.82
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	636.43	84.35
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	631.51	88.75
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	667.98	88.75
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	717.81	93.15
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	736.05	93.15
23 33 13 23-0183		**Vertically Mounted Backdraft Damper** *(23 33 13 23)* Note: Galvanized steel frame, aluminum blades. Excludes motor pack.		
23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	131.89	14.79
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	163.09	15.46
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	168.22	15.59
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	176.33	15.59
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	193.88	16.00
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	215.42	17.73
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	218.19	16.00
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	247.84	17.73
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	250.50	18.66
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	262.60	19.99
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	210.61	16.92
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	221.88	18.66
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	237.72	19.99
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	244.38	22.25
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	262.89	24.38
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	260.67	17.73
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	273.27	19.99
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	236.42	22.25
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	236.42	22.25
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	261.93	24.38
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	268.59	26.65
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	254.02	18.66
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	258.02	19.99
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	278.83	22.25
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	299.65	24.38
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	306.31	26.65
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	312.96	28.78
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	331.01	33.32
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	326.02	35.45
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	356.91	39.98
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	296.95	19.99
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	312.39	22.25
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	319.06	24.38
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	343.24	26.65
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	349.89	28.78
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	356.56	31.05
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	383.08	35.45
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	387.45	35.45
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	400.77	39.98
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	422.88	44.37
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	453.78	48.77
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	467.10	53.31
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	382.60	22.25
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	389.27	24.38
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	395.93	26.65
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	402.58	28.78
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	429.06	33.32
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	457.66	35.45
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	470.98	39.98
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	470.98	39.98
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	414.10	44.37
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	388.44	48.77
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	401.76	53.31
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	426.60	57.70
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	445.69	62.10
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	459.01	66.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	459.01	66.63
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	343.03	22.25
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	349.70	24.38
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	363.01	28.78
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	382.10	33.32
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	394.53	35.45
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	407.85	39.98
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	421.18	44.37
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	444.21	44.37
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	457.54	48.77
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	470.86	53.31
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	489.95	57.70
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	522.36	66.63
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	522.36	66.63
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	561.61	71.03
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	521.90	75.43
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	521.90	75.43
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	535.22	79.82
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	547.52	79.82
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	383.40	24.38
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	396.71	28.78
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	408.32	31.05
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	431.46	35.45
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	464.48	39.98
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	477.81	44.37
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	477.81	44.37
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	500.99	48.77
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	514.31	53.31
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	527.64	57.70
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	554.29	66.63
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	569.08	66.63
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	592.25	71.03
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	620.34	75.43
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	633.66	79.82
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	633.66	79.82
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	651.89	84.35
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	669.13	84.35
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	646.80	88.75
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	646.80	88.75
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	675.97	93.15
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	471.67	24.38
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	500.72	31.05
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	514.05	35.45
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	527.37	39.98
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	567.86	44.37
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	567.86	44.37
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	581.19	48.77
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	603.57	53.31
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	621.42	57.70
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	652.58	66.63
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	652.58	66.63
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	702.14	71.03
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	715.47	75.43
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	728.79	79.82
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	751.18	84.35
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	760.25	84.35
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	773.57	88.75
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	775.81	88.75
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	823.08	93.15
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	823.08	93.15
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	823.08	93.15
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	645.84	26.65
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	670.34	33.32
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	677.01	35.45
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	699.39	39.98
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	666.22	44.37
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	679.55	48.77
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	725.15	53.31
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	738.48	57.70
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	767.99	62.10
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	781.31	66.63
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	794.64	71.03
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	807.97	75.43
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	845.50	79.82
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	874.97	84.35
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	874.97	84.35
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	912.53	88.75
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	732.62	28.78
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	760.69	35.45
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	798.22	39.98
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	811.55	44.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	853.14	48.77
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	870.52	53.31
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	870.52	53.31
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	902.01	57.70
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	853.97	66.63
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	874.55	71.03
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	924.22	75.43
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	937.54	79.82
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	965.41	84.35
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	972.69	84.35
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	986.01	88.75
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	993.27	88.75
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	820.03	31.05
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	862.44	35.45
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	883.01	39.98
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	918.17	44.37
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	931.50	48.77
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	959.35	53.31
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	972.68	57.70
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	1,000.52	62.10
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	926.64	66.63
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	982.38	75.43
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	1,015.07	79.82
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	1,028.40	84.35
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	1,028.40	84.35
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	1,048.19	88.75
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	1,087.35	93.15
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	1,087.35	93.15
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	907.23	31.05
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	946.82	39.98
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	985.99	44.37
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	999.32	48.77
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	1,032.02	53.31
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	1,051.82	57.70
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	963.80	62.10
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	977.12	66.63
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	1,027.17	71.03
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	1,040.50	75.43
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	1,053.82	79.82
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	1,101.06	84.35
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	1,114.38	88.75
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,131.34	88.75
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,163.04	93.15
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,195.53	93.15
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	316.01	28.25
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	554.20	28.25
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	48.26	9.31
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	315.30	34.38
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	351.99	39.18
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	451.97	51.97
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	625.50	59.97
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	700.44	71.96
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,045.38	91.15
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	437.13	34.38
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	496.78	39.18
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	552.78	51.97
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	776.43	59.97
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	867.05	71.96
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,340.11	91.15
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	408.36	54.54
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	491.25	62.53
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	638.65	71.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	777.72	81.15
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	718.81	81.15
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	921.01	85.14
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,018.01	90.46
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,117.67	95.79
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,468.43	109.09
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	914.01	90.46
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,236.17	109.09
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,196.03	146.33
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,430.50	154.31
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,713.94	166.29
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,048.28	180.92

23 33 19 00-0017 60" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	456.12	119.73
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	550.25	138.35
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	717.15	159.63
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	873.46	179.59
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	806.49	179.59
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,037.97	190.23
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,143.64	199.54
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,251.31	210.19
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,652.84	239.45
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,025.46	199.54
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,388.91	239.45
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,461.95	315.28
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,748.39	341.89
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,053.79	363.17
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,437.56	399.10

23 33 19 00-0033 84" Long Packaged Duct Sound Trap *(23 33 19)*

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	392.57	99.77
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	673.55	149.00
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	939.61	218.17
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	530.96	119.73
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	660.55	138.35
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	898.36	159.63
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,062.99	171.61
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,160.20	184.91
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,462.73	199.54
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,731.42	218.17
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	994.75	184.91
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,422.27	192.89
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,553.34	199.54
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,692.52	210.19
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,126.03	226.15
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,306.78	239.45

23 33 23 Turning Vanes *(23 33)*

23 33 23 00-0001 Duct Turning Vane Components *(23 33 23)*

23 33 23 00-0002	LF	Duct Turning Vane Rail	15.07	3.33
		For Stainless Steel, Add	*9.80*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	15.07	1.33
		For Stainless Steel, Add	*14.77*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	62.77	4.99
		For Stainless Steel, Add	*67.84*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	78.16	5.32
		For Stainless Steel, Add	*85.81*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	107.16	5.58
		For Stainless Steel, Add	*120.14*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	136.22	5.99
		For Stainless Steel, Add	*154.48*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	150.99	6.39
		For Stainless Steel, Add	*171.61*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	193.42	5.99
		For Stainless Steel, Add	*223.14*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	237.72	7.05
		For Stainless Steel, Add	*274.62*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	255.28	7.37
		For Stainless Steel, Add	*295.28*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	285.18	7.66
		For Stainless Steel, Add	*330.72*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 33		**Duct-Mounting Access Doors** *(23 33)*			
23 33 33 00-0001		Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*			
23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication		106.90	18.63
		For Stainless Steel, Add		*56.12*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication		113.64	18.63
		For Stainless Steel, Add		*67.92*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication		116.93	18.63
		For Stainless Steel, Add		*73.68*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication		151.45	22.61
		For Stainless Steel, Add		*103.88*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication		152.78	22.61
		For Stainless Steel, Add		*106.21*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication		189.58	30.60
		For Stainless Steel, Add		*122.24*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication		224.88	37.25
		For Stainless Steel, Add		*131.64*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication		291.90	50.55
		For Stainless Steel, Add		*161.63*	
23 33 43		**Flexible Connectors** *(23 33)*			
23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector		16.87	3.99
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector		17.33	3.59
23 33 46		**Flexible Ducts** *(23 33)*			
23 33 46 00-0001		Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*			
		Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.			
23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		9.32	1.33
		For R6.0 Insulated Flexible Duct, Deduct		*-0.92*	
		For R4.2 Insulated Flexible Duct, Deduct		*-1.07*	
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		10.29	2.66
		For R6.0 Insulated Flexible Duct, Deduct		*-0.97*	
		For R4.2 Insulated Flexible Duct, Deduct		*-1.13*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		11.57	2.66
		For R6.0 Insulated Flexible Duct, Deduct		*-1.00*	
		For R4.2 Insulated Flexible Duct, Deduct		*-1.16*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		13.42	2.66
		For R6.0 Insulated Flexible Duct, Deduct		*-1.11*	
		For R4.2 Insulated Flexible Duct, Deduct		*-1.30*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		15.71	3.99
		For R6.0 Insulated Flexible Duct, Deduct		*-1.12*	
		For R4.2 Insulated Flexible Duct, Deduct		*-1.31*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		20.33	3.99
		For R6.0 Insulated Flexible Duct, Deduct		*-1.51*	
		For R4.2 Insulated Flexible Duct, Deduct		*-1.76*	
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		27.27	5.32
		For R6.0 Insulated Flexible Duct, Deduct		*-1.80*	
		For R4.2 Insulated Flexible Duct, Deduct		*-2.10*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		33.92	5.32
		For R6.0 Insulated Flexible Duct, Deduct		*-2.19*	
		For R4.2 Insulated Flexible Duct, Deduct		*-2.56*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		44.26	6.65
		For R6.0 Insulated Flexible Duct, Deduct		*-2.62*	
		For R4.2 Insulated Flexible Duct, Deduct		*-3.06*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		53.94	8.64
		For R6.0 Insulated Flexible Duct, Deduct		*-3.41*	
		For R4.2 Insulated Flexible Duct, Deduct		*-3.98*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket		63.71	9.31
		For R6.0 Insulated Flexible Duct, Deduct		*-5.15*	
		For R4.2 Insulated Flexible Duct, Deduct		*-6.00*	
23 33 46 00-0013		Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*			
23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		51.62	7.98
		For Stainless Steel, Add		*26.02*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		56.16	9.31
		For Stainless Steel, Add		*26.35*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper		64.13	9.31
		For Stainless Steel, Add		*29.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	72.88	11.97
		For Stainless Steel, Add	*29.99*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	88.09	14.63
		For Stainless Steel, Add	*33.88*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	103.22	17.30
		For Stainless Steel, Add	*41.76*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	117.32	19.95
		For Stainless Steel, Add	*45.00*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	138.74	22.61
		For Stainless Steel, Add	*56.34*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	151.14	25.28
		For Stainless Steel, Add	*61.64*	
23 33 46 00-0023	EA	18" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	168.80	28.60
		For Stainless Steel, Add	*66.88*	
23 33 46 00-0024	EA	20" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	196.78	30.60
		For Stainless Steel, Add	*92.46*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.34	4.09
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	15.68	4.09
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	17.35	5.46
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	21.18	5.46
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	25.54	6.15
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	12.42	3.99
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.58	3.99
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	15.08	5.32
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	18.30	5.32
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	22.16	5.99

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.29	3.19
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.88	3.59
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	3.17	3.59
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	3.99	3.59
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.40	3.99
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.60	4.39
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.38	4.39

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	67.21	21.95
		For Stainless Steel, Add	*27.97*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	71.20	23.95
		For Stainless Steel, Add	*27.97*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	82.80	25.28
		For Stainless Steel, Add	*38.70*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	94.12	26.61
		For Stainless Steel, Add	*49.09*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	126.08	29.26
		For Stainless Steel, Add	*81.06*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	89.36	26.61
		For Stainless Steel, Add	*43.38*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	118.84	33.26
		For Stainless Steel, Add	*62.80*	
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	127.20	37.91
		For Stainless Steel, Add	*61.66*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	155.73	44.55
		For Stainless Steel, Add	*79.92*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	177.78	53.21
		For Stainless Steel, Add	*85.63*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	222.46	66.51
		For Stainless Steel, Add	*107.32*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,319.13	39.91
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,083.82	33.26
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,073.93	36.59

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	2,043.19	408.67
		For 1/4" Static Pressure, Add	*98.00*	
		For 3/8" Static Pressure, Add	*196.01*	
		For 1/2" Static Pressure, Add	*269.51*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,130.70	409.89
		For 1/4" Static Pressure, Add	*105.00*	
		For 3/8" Static Pressure, Add	*210.01*	
		For 1/2" Static Pressure, Add	*288.76*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,305.70	408.67
		For 1/4" Static Pressure, Add	*119.00*	
		For 3/8" Static Pressure, Add	*238.01*	
		For 1/2" Static Pressure, Add	*327.26*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,480.71	409.89
		For 1/4" Static Pressure, Add	*133.00*	
		For 3/8" Static Pressure, Add	*266.01*	
		For 1/2" Static Pressure, Add	*365.76*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,906.85	490.90
		For 1/4" Static Pressure, Add	*154.01*	
		For 3/8" Static Pressure, Add	*308.01*	
		For 1/2" Static Pressure, Add	*423.52*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,342.24	533.85
		For 1/4" Static Pressure, Add	*182.01*	
		For 3/8" Static Pressure, Add	*364.01*	
		For 1/2" Static Pressure, Add	*500.52*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,531.39	584.17
		For 1/4" Static Pressure, Add	*189.01*	
		For 3/8" Static Pressure, Add	*378.01*	
		For 1/2" Static Pressure, Add	*519.77*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	4,027.33	613.62
		For 1/4" Static Pressure, Add	*224.01*	
		For 3/8" Static Pressure, Add	*448.02*	
		For 1/2" Static Pressure, Add	*616.02*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,859.16	767.02
		For 1/4" Static Pressure, Add	*266.01*	
		For 3/8" Static Pressure, Add	*532.02*	
		For 1/2" Static Pressure, Add	*731.53*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,486.45	818.56
		For 1/4" Static Pressure, Add	*308.01*	
		For 3/8" Static Pressure, Add	*616.02*	
		For 1/2" Static Pressure, Add	*847.03*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,438.21	943.74
		For 1/4" Static Pressure, Add	*364.01*	
		For 3/8" Static Pressure, Add	*728.03*	
		For 1/2" Static Pressure, Add	*1,001.04*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,937.84	396.40
		For 1/4" Static Pressure, Add	*91.69*	
		For 3/8" Static Pressure, Add	*183.37*	
		For 1/2" Static Pressure, Add	*252.14*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	2,054.70	409.89
		For 1/4" Static Pressure, Add	*98.92*	
		For 3/8" Static Pressure, Add	*197.85*	
		For 1/2" Static Pressure, Add	*272.04*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,123.13	423.39
		For 1/4" Static Pressure, Add	*102.14*	
		For 3/8" Static Pressure, Add	*204.28*	
		For 1/2" Static Pressure, Add	*280.89*	
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,247.19	438.12
		For 1/4" Static Pressure, Add	*109.65*	
		For 3/8" Static Pressure, Add	*219.30*	
		For 1/2" Static Pressure, Add	*301.53*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,534.34	455.30
		For 1/4" Static Pressure, Add	*130.02*	
		For 3/8" Static Pressure, Add	*260.04*	
		For 1/2" Static Pressure, Add	*357.56*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,673.18	472.48
		For 1/4" Static Pressure, Add	*138.33*	
		For 3/8" Static Pressure, Add	*276.67*	
		For 1/2" Static Pressure, Add	*380.42*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,992.44	490.90
		For 1/4" Static Pressure, Add	*160.85*	
		For 3/8" Static Pressure, Add	*321.71*	
		For 1/2" Static Pressure, Add	*442.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,375.85	490.90
		For 1/4" Static Pressure, Add	*191.65*	
		For 3/8" Static Pressure, Add	*383.30*	
		For 1/2" Static Pressure, Add	*527.04*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,913.74	533.85
		For 1/4" Static Pressure, Add	*227.87*	
		For 3/8" Static Pressure, Add	*455.75*	
		For 1/2" Static Pressure, Add	*626.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,640.19	646.75
		For 1/4" Static Pressure, Add	*268.09*	
		For 3/8" Static Pressure, Add	*536.17*	
		For 1/2" Static Pressure, Add	*737.24*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,287.27	646.75
		For 1/4" Static Pressure, Add	*319.42*	
		For 3/8" Static Pressure, Add	*638.84*	
		For 1/2" Static Pressure, Add	*878.40*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,821.76	682.34
		For 1/4" Static Pressure, Add	*356.65*	
		For 3/8" Static Pressure, Add	*713.31*	
		For 1/2" Static Pressure, Add	*980.80*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,359.77	721.62
		For 1/4" Static Pressure, Add	*393.55*	
		For 3/8" Static Pressure, Add	*787.10*	
		For 1/2" Static Pressure, Add	*1,082.26*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,244.01	943.74
		For 1/4" Static Pressure, Add	*428.94*	
		For 3/8" Static Pressure, Add	*857.88*	
		For 1/2" Static Pressure, Add	*1,179.59*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,270.62	944.97
		For 1/4" Static Pressure, Add	*511.07*	
		For 3/8" Static Pressure, Add	*1,022.14*	
		For 1/2" Static Pressure, Add	*1,405.44*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,341.18	1,115.30
		For 1/4" Static Pressure, Add	*569.44*	
		For 3/8" Static Pressure, Add	*1,138.87*	
		For 1/2" Static Pressure, Add	*1,565.95*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,473.02	269.63
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,127.22	279.81
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,187.95	222.99
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,285.18	305.58
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,339.73	323.99
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,414.16	337.49
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,487.95	359.58

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,456.28	294.54
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,499.92	305.58
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,581.31	323.99
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,628.56	337.49
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,716.26	359.58
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,804.16	376.76

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,473.12	305.58
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,527.72	323.99
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,601.76	337.49
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,662.64	359.58
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,741.64	376.76
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,851.43	404.98
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,937.32	425.85

23 34 16 00-0027 16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,835.92	323.99
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,937.80	337.49
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,049.61	359.58
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,107.79	376.76
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,183.40	404.98
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,248.49	425.85
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,609.09	462.67

23 34 16 00-0035 18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,930.07	337.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,997.64	359.58
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,090.04	376.76
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,159.65	404.98
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,258.92	425.85
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,408.10	462.67
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,504.20	490.90
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,646.34	539.98
23 34 16 00-0044		**20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,957.45	359.58
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,049.82	376.76
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,159.65	404.98
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,258.92	425.85
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,448.29	462.67
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,716.67	490.90
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,900.19	539.98
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	4,092.63	578.03
23 34 16 00-0053		**22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,563.50	376.76
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,626.82	404.98
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,716.76	425.85
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,827.97	462.67
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,978.76	490.90
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,023.00	539.98
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,119.43	578.03
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	4,291.61	647.97
23 34 16 00-0062		**24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,294.19	404.98
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,426.50	462.67
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,562.80	490.90
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,704.19	539.98
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,829.63	578.03
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,934.82	647.97
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,087.20	704.43
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	5,448.27	809.98
23 34 16 00-0071		**27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure** *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,761.97	425.85
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,897.82	490.90
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,039.19	539.98
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,164.65	578.03
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,336.82	647.97
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,488.80	704.43
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,878.34	809.98
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,919.64	899.56
23 34 16 00-0080		**Large Industrial Type Utility Backward Centrifugal Fans** *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		**30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,680.72	539.98
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,800.89	578.03
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,985.05	647.97
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,150.42	704.43
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,391.30	809.98
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,608.06	899.56
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,961.19	1,079.96
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	8,287.53	1,245.64
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,844.68	578.03
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,083.86	647.97
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,303.25	704.43
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,597.33	809.98
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,867.69	899.56
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,274.40	1,079.96
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,734.17	1,245.64
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	10,360.56	1,619.94
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,367.97	647.97
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,595.37	704.43
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,331.64	809.98
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,824.47	899.56
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,419.10	1,079.96
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,870.43	1,245.64
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,813.31	1,619.94
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	12,587.02	2,024.93

23 34 16 00-0108 Kitchen System Fans *(23 34 16 00-0001)*

23 34 16 00-0109 Upblast Kitchen Exhaust Fans *(23 34 16 00-0108)*

23 34 16 00-0110 Direct Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*

Note: Greenheck CUE.

23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,487.66	159.54
		For Bird Screen, Add	*66.21*	
		For Backdraft Damper, Add	*194.58*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan Note: 115V. For roof or wall installations. Includes disconnect switch.	1,750.68	159.54
		For Bird Screen, Add	*66.21*	
		For Backdraft Damper, Add	*194.58*	
		For Damper Motor, Add	*320.75*	

23 34 16 00-0113 Belt Drive Kitchen Upblast Exhaust Fans *(23 34 16 00-0109)*

Note: Greenheck CUBE.

23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,581.53	159.54
		For Bird Screen, Add	*66.21*	
		For Wall Mounted Fan, Add	*103.26*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*192.31*	
		For Backdraft Damper, Add	*194.58*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,695.68	159.54
		For Bird Screen, Add	*66.21*	
		For Wall Mounted Fan, Add	*107.83*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*202.01*	
		For Backdraft Damper, Add	*194.58*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,304.15	184.09
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*92.17*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*164.56*	
		For Backdraft Damper, Add	*221.01*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	2,468.53	184.09
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*98.74*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*178.53*	
		For Backdraft Damper, Add	*221.01*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,141.73	214.77
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*125.67*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*230.54*	
		For Backdraft Damper, Add	*221.01*	
		For Damper Motor, Add	*320.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,317.53	214.77
		For Bird Screen, Add	*75.34*	
		For Wall Mounted Fan, Add	*132.70*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*245.48*	
		For Backdraft Damper, Add	*221.01*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,615.32	230.11
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*144.61*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*268.18*	
		For Backdraft Damper, Add	*277.92*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,889.28	230.11
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*155.57*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*291.47*	
		For Backdraft Damper, Add	*277.92*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	3,951.93	245.45
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*158.08*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*294.19*	
		For Backdraft Damper, Add	*277.92*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,337.76	245.45
		For Bird Screen, Add	*125.56*	
		For Wall Mounted Fan, Add	*173.51*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*326.98*	
		For Backdraft Damper, Add	*277.92*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	4,997.26	276.13
		For Bird Screen, Add	*148.40*	
		For Wall Mounted Fan, Add	*199.89*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*377.83*	
		For Backdraft Damper, Add	*300.98*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,351.13	276.13
		For Bird Screen, Add	*148.40*	
		For Wall Mounted Fan, Add	*214.05*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*407.90*	
		For Backdraft Damper, Add	*300.98*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,346.23	306.81
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*253.85*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*487.27*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,462.67	306.81
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*258.51*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*497.17*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,053.96	306.81
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*282.16*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*547.43*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,339.34	306.81
		For Bird Screen, Add	*159.81*	
		For Wall Mounted Fan, Add	*293.57*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*571.69*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,081.37	337.49
		For Bird Screen, Add	*182.64*	
		For Wall Mounted Fan, Add	*323.25*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*629.54*	
		For Damper Motor, Add	*320.75*	
		For Backdraft Damper, Add	*394.94*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,409.56	337.49
		For Bird Screen, Add	*182.64*	
		For Wall Mounted Fan, Add	*336.38*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*657.44*	
		For Damper Motor, Add	*320.75*	
		For Backdraft Damper, Add	*394.94*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,480.12	368.17
		For Bird Screen, Add	*182.64*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*658.23*	
		For Damper Motor, Add	*320.75*	
		For Backdraft Damper, Add	*460.43*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	9,200.64	368.17
		For Bird Screen, Add	*182.64*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*719.47*	
		For Damper Motor, Add	*320.75*	
		For Backdraft Damper, Add	*460.43*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*

Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,730.45	159.54
		For Extended Weatherhood, Add	*291.44*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,819.81	159.54
		For Extended Weatherhood, Add	*304.85*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,929.46	159.54
		For Extended Weatherhood, Add	*321.30*	

23 34 16 00-0139 Belt Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,971.99	159.54
		For Extended Weatherhood, Add	*327.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,204.28	214.77
		For Extended Weatherhood, Add	*373.59*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,659.75	245.45
		For Extended Weatherhood, Add	*448.05*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,079.26	306.81
		For Extended Weatherhood, Add	*523.25*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,727.01	368.17
		For Extended Weatherhood, Add	*632.68*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	956.27	427.26
23 34 16 00-0148	EA	Fan Belt, Replacement	156.67	57.95
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,678.21	221.50
		For Explosion Proof Motor, Add	*935.28*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,253.22	266.06
		For Explosion Proof Motor, Add	*1,008.17*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,600.90	332.58
		For Explosion Proof Motor, Add	*1,190.36*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	9,228.04	443.65
		For Explosion Proof Motor, Add	*1,251.10*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,561.69	665.15
		For Explosion Proof Motor, Add	*1,384.71*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	18,208.21	1,330.30
		For Explosion Proof Motor, Add	*2,332.14*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	26,557.84	1,901.67
		For Explosion Proof Motor, Add	*3,413.18*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,678.21	221.50
		For Explosion Proof Motor, Add	*935.28*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,848.33	266.06
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,981.36	332.58
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	7,203.61	443.65
		For Explosion Proof Motor, Add	*947.43*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,913.87	665.15
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,246.46	831.44
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,486.42	951.43
		For Explosion Proof Motor, Add	*1,287.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,740.98	997.73
		For Explosion Proof Motor, Add	*1,311.83*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	11,043.68	1,108.54
		For Explosion Proof Motor, Add	*1,323.98*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	1,786.30	159.54
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,288.74	171.82
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan Note: 115V. Includes disconnect switch.	2,510.55	184.09
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)* Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	2,624.66	184.09
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,016.01	214.77
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,396.85	214.77
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,720.62	214.77
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	3,617.01	245.45
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	4,165.31	245.45
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan Note: 115/208-230/60/1. Includes disconnect switch.	5,301.52	306.81
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	5,604.21	306.81
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,817.58	306.81
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,725.65	368.17
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	6,980.32	368.17
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan Note: 230/460/60/3. Includes disconnect switch.	7,293.29	368.17
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	558.99	107.38
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	558.99	107.38
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	636.27	113.52
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	705.52	113.52
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	894.69	113.52
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	736.44	113.52
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	845.15	113.52
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,612.42	113.52
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	995.95	119.65
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,013.00	119.65
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,677.99	119.65
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,013.00	119.65
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,369.99	119.65
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,369.99	119.65
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,369.99	119.65
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,489.35	119.65
23 34 16 00-0203		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0204		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0203)* Note: Greenheck SE1.		
23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	784.21	131.31
		For Backdraft Damper, Add	*229.73*	
		For Wall Mount Collar, Add	*309.15*	
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	829.64	146.04
		For Backdraft Damper, Add	*246.00*	
		For Wall Mount Collar, Add	*309.15*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	918.62	161.99
		For Backdraft Damper, Add	*269.06*	
		For Wall Mount Collar, Add	*317.22*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,351.45	179.17
		For Backdraft Damper, Add	*322.58*	
		For Wall Mount Collar, Add	*323.01*	
		For Motor Side Guard, Add	*267.95*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,129.22	198.81
		For Backdraft Damper, Add	*322.58*	
		For Wall Mount Collar, Add	*331.09*	
		For Motor Side Guard, Add	*285.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,268.33	220.90
		For Backdraft Damper, Add	*393.04*	
		For Wall Mount Collar, Add	*339.16*	
		For Motor Side Guard, Add	*302.36*	
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,445.10	245.45
		For Backdraft Damper, Add	*393.04*	
		For Wall Mount Collar, Add	*344.95*	
		For Motor Side Guard, Add	*326.41*	
23 34 16 00-0212		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0203)*		
		Note: Wall shutter 1/8" static pressure, with bird screen.		
23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,648.70	350.99
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	3,033.23	408.67
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,439.72	490.90
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,792.33	613.62
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,713.50	818.56
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,932.13	1,227.23
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,516.66	1,573.30
23 34 16 00-0220		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0203)*		
23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	135.99	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	313.43	
23 34 16 00-0223		**Reversible Ceiling Fans** *(23 34 16 00-0203)*		
23 34 16 00-0224		**4 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	588.95	55.93
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.93*	
23 34 16 00-0226		**5 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	645.77	138.42
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.99*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	738.38	138.42
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.10*	
23 34 16 00-0229		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	637.67	60.75
23 34 16 00-0231		**Ceiling Fan Down Rod** *(23 34 16 00-0223)*		
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod	22.92	
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod	30.80	
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod	34.74	
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod	47.41	
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod	55.56	
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod	68.73	
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod	86.50	
23 34 16 00-0239		**Explosion Proof Industrial Blowers** *(23 34 16 00-0203)*		
23 34 16 00-0240	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	5,712.77	
23 34 16 00-0241	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	6,294.03	
23 34 16 00-0242	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, Explosion Proof	8,442.29	
23 34 16 00-0243	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, Explosion Proof	8,842.46	
23 34 16 00-0244	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	5,190.48	
23 34 16 00-0245	EA	355 To 500 CFM 1/3 HP Direct Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	5,539.31	
23 34 16 00-0246	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polypropylene (PP) Wheel, Polyvinyl Chloride (PVC) Housing, TEFC Motor Enclosure	7,673.14	
23 34 16 00-0247	EA	355 To 500 CFM 1/3 HP Belt Drive Industrial Blower, To 1-1/4" S.P., Polyvinyl Chloride (PVC) Wheel And Housing, TEFC Motor Enclosure	8,331.32	
23 34 16 00-0248		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0249		**Exhaust Fans** *(23 34 16 00-0248)*		
		Note: Excludes ducting.		
23 34 16 00-0250		**Light Duty Exhaust Fans** *(23 34 16 00-0249)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0251		**Light Duty Exhaust Fans** *(23 34 16 00-0250)*		
23 34 16 00-0252	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	146.90	45.20
23 34 16 00-0253	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	156.33	45.20
23 34 16 00-0254	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	269.61	45.20
23 34 16 00-0255	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	345.36	45.20
23 34 16 00-0256	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	306.90	45.20
23 34 16 00-0257	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	414.46	45.20
23 34 16 00-0258		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0250)*		
23 34 16 00-0259	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	197.36	45.20
23 34 16 00-0260	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	221.00	45.20
23 34 16 00-0261	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	428.90	45.20
23 34 16 00-0262		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0250)*		
23 34 16 00-0263	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	202.49	45.20
23 34 16 00-0264	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	332.11	45.20
23 34 16 00-0265		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0250)*		
23 34 16 00-0266	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	354.58	45.20
23 34 16 00-0267	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	547.51	45.20
23 34 16 00-0268		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0249)*		
23 34 16 00-0269		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0270	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	238.18	45.20
23 34 16 00-0271	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	265.27	45.20
23 34 16 00-0272	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	499.76	45.20
23 34 16 00-0273	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	512.32	45.20
23 34 16 00-0274	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	551.39	45.20
23 34 16 00-0275	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	576.36	45.20
23 34 16 00-0276	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	586.04	45.20
23 34 16 00-0277	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	673.27	45.20
23 34 16 00-0278	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	769.49	45.20
23 34 16 00-0279	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	824.29	45.20
23 34 16 00-0280	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	984.39	45.20
23 34 16 00-0281	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,269.58	45.20
23 34 16 00-0282		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0268)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0283	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	519.63	45.20
23 34 16 00-0284	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	762.29	45.20
23 34 16 00-0285	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	807.23	45.20
23 34 16 00-0286		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0268)*		
23 34 16 00-0287	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	260.36	45.20
23 34 16 00-0288	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	285.81	45.20
23 34 16 00-0289		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0268)*		
23 34 16 00-0290	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	271.54	45.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0291	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	288.38	45.20
23 34 16 00-0292	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	296.51	45.20
23 34 16 00-0293		Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans *(23 34 16 00-0249)*		
23 34 16 00-0294	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,364.25	45.20
23 34 16 00-0295	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,364.25	45.20
23 34 16 00-0296	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,364.25	45.20
23 34 16 00-0297	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,498.81	45.20
23 34 16 00-0298		Room-To-Room Exhaust Fans *(23 34 16 00-0249)*		
23 34 16 00-0299	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	191.00	45.20
23 34 16 00-0300	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	328.58	45.20
23 34 16 00-0301	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	378.71	45.20
23 34 16 00-0302		Through-Wall Exhaust Fans *(23 34 16 00-0249)*		
23 34 16 00-0303	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	352.50	45.20
23 34 16 00-0304	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	421.60	45.20
23 34 16 00-0305	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	304.99	45.20
23 34 16 00-0306	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	414.46	45.20
23 34 16 00-0307	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	738.51	45.20
23 34 16 00-0308		Exhaust Fan Accessories *(23 34 16 00-0249)*		
23 34 16 00-0309		Exhaust Fan Controls *(23 34 16 00-0308)*		
23 34 16 00-0310	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	192.32	28.25
23 34 16 00-0311	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	131.20	28.25
23 34 16 00-0312	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	132.65	28.25
23 34 16 00-0313		Roof And Wall Caps For Exhaust Fans *(23 34 16 00-0308)*		
23 34 16 00-0314		Wall Caps For Exhaust Fans *(23 34 16 00-0313)*		
23 34 16 00-0315	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	322.05	66.63
23 34 16 00-0316	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	326.86	66.63
23 34 16 00-0317		Roof Caps For Exhaust Fans *(23 34 16 00-0313)* Note: Includes flashing and built in bird screen.		
23 34 16 00-0318	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	272.39	66.63
23 34 16 00-0319	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	397.34	66.63
23 34 16 00-0320	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	176.34	66.63
23 34 16 00-0321	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	213.82	66.63
23 34 16 00-0322		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan *(23 34 16 00-0249)* Note: Includes storage and cleaning.		
23 34 16 00-0323	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	92.04	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		Power Roof Ventilators *(23 34 23)*		
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters *(23 34 23 00-0001)* Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	684.09	175.49
		For 12" Roof Curb, Add	*236.63*	
		For Backdraft Damper, Add	*181.67*	
		For Solid State Speed Control, Add	*124.33*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster Note: Three speed motor.	748.53	198.81
		For 12" Roof Curb, Add	*236.63*	
		For Backdraft Damper, Add	*181.67*	
		For Solid State Speed Control, Add	*124.33*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,069.51	231.95
		For 12" Roof Curb, Add	*243.48*	
		For Backdraft Damper, Add	*194.58*	
		For Solid State Speed Control, Add	*124.33*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,102.25	261.40
		For 12" Roof Curb, Add	*243.48*	
		For Backdraft Damper, Add	*194.58*	
		For Solid State Speed Control, Add	*124.33*	
		For Damper Motor, Add	*320.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,415.25	288.40
		For Solid State Speed Control, Add	*124.33*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,605.10	306.81
		For 12" Roof Curb, Add	*254.89*	
		For Backdraft Damper, Add	*221.01*	
		For Solid State Speed Control, Add	*195.10*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0009		**Belt Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)*		
		Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,579.06	312.44
		For 12" Roof Curb, Add	*243.48*	
		For Backdraft Damper, Add	*194.58*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,722.30	331.68
		For 12" Roof Curb, Add	*254.89*	
		For Backdraft Damper, Add	*221.01*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,333.54	396.40
		For 12" Roof Curb, Add	*254.89*	
		For Backdraft Damper, Add	*221.01*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,976.92	490.90
		For 12" Roof Curb, Add	*309.69*	
		For Backdraft Damper, Add	*277.92*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,927.79	613.62
		For 12" Roof Curb, Add	*334.80*	
		For Backdraft Damper, Add	*300.98*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,376.28	767.02
		For 12" Roof Curb, Add	*373.61*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,431.08	767.02
		For 12" Roof Curb, Add	*373.61*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	7,022.37	767.02
		For 12" Roof Curb, Add	*373.61*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,673.25	767.02
		For 12" Roof Curb, Add	*373.61*	
		For Backdraft Damper, Add	*334.18*	
		For Damper Motor, Add	*320.75*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)*		
		Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	9,009.61	943.74
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,808.31	1,226.87
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,543.91	490.03
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,796.32	613.49
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	146.59	
23 34 23 00-0027		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0028		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0027)*		
23 34 23 00-0029		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	898.35	197.58
		For Solid State Speed Control, Add	*195.10*	
		For Backdraft Damper, Add	*257.46*	
		For Damper Motor, Add	*558.94*	
		For Interior Wall Grill, Add	*149.23*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,031.03	231.95
		For Solid State Speed Control, Add	*195.10*	
		For Backdraft Damper, Add	*283.91*	
		For Damper Motor, Add	*558.94*	
		For Interior Wall Grill, Add	*177.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,538.62	261.40
		For Solid State Speed Control, Add	*195.10*	
		For Backdraft Damper, Add	*320.49*	
		For Damper Motor, Add	*558.94*	
		For Interior Wall Grill, Add	*206.47*	

23 34 23 00-0033 Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*

Note: Greenheck CWB.

23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,795.21	147.66
		For Solid State Speed Control, Add	*195.10*	
		For Backdraft Damper, Add	*294.75*	
		For Damper Motor, Add	*558.94*	
		For Interior Wall Grill, Add	*314.99*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,951.18	166.29
		For Solid State Speed Control, Add	*195.10*	
		For Backdraft Damper, Add	*294.75*	
		For Damper Motor, Add	*558.94*	
		For Interior Wall Grill, Add	*314.99*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,626.90	190.23
		For Solid State Speed Control, Add	*195.10*	
		For Backdraft Damper, Add	*371.08*	
		For Damper Motor, Add	*558.94*	
		For Interior Wall Grill, Add	*366.45*	

23 34 33 Air Curtains *(23 34)*

23 34 33 00-0001 Unheated Air Curtains For Entrances *(23 34 33)*

23 34 33 00-0002 Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*

23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,643.65	899.56
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,681.30	899.56
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	2,722.08	899.56
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,396.63	899.56
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated Note: Includes housing, mounting brackets and manual controls.	3,851.31	1,079.96
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	4,086.62	1,079.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,526.60	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	5,466.25	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,585.48	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	5,902.35	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*580.86*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*431.49*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*663.84*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	3,267.99	899.56
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	3,316.62	899.56
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,337.01	899.56
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,376.23	899.56
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	5,281.97	1,079.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,523.55	1,079.96
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	5,874.12	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,710.23	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,798.08	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	7,140.06	1,245.64
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*365.66*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,332.78	709.34
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)*		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,475.33	792.18
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,860.74	792.18
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,369.60	950.49
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,832.09	950.49
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	7,158.42	1,267.12
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,775.08	1,267.12
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,723.22	1,543.85
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	9,474.77	1,543.85
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	10,960.64	1,939.63
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	12,829.88	1,939.63
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	12,527.25	2,216.99
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	14,663.07	2,216.99
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	14,312.67	2,533.61
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	16,753.60	2,533.61
		For Door Limit Switch, Combination Roller And Plunger, Add	*213.38*	
		For Flat Side Extension Plates, Add	*182.83*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*365.66*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*438.80*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*463.17*	

23 34 39 High-Volume, Low-Speed Propeller Fans *(23 34)*

Note: (Air Destratification Fans)

23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil 5®) *(23 34 39)*

23 34 39 00-0002	EA	8' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 8', PF5-8)	8,283.60	981.78
23 34 39 00-0003	EA	10' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 10', PF5-10)	8,503.48	1,043.14
23 34 39 00-0004	EA	12' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 12', PF5-12)	8,723.36	1,104.50
23 34 39 00-0005	EA	14' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 14', PF5-14)	8,943.24	1,165.87
23 34 39 00-0006	EA	16' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 16', PF5-16)	9,163.12	1,227.23
23 34 39 00-0007	EA	18' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 18', PF5-18)	9,382.99	1,288.59
23 34 39 00-0008	EA	20' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 20', PF5-20)	9,602.87	1,349.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 39 00-0009	EA	24' Diameter, 5 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil 5®, 24', PF5-24)	9,919.91	1,411.31
23 34 39 00-0010		Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil X4®) *(23 34 39)*		
23 34 39 00-0011	EA	12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-12)	12,239.46	1,104.50
23 34 39 00-0012	EA	14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-14)	12,459.33	1,165.87
23 34 39 00-0013	EA	16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-16)	12,679.21	1,227.23
23 34 39 00-0014	EA	18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-18)	12,899.09	1,288.59
23 34 39 00-0015	EA	20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-20)	13,118.96	1,349.95
23 34 39 00-0016	EA	24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil X4® , PFX4-24)	13,436.01	1,411.31

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

23 35 13 13 Sawdust Collection Systems *(23 35 13)*

23 35 13 13-0001		Dust Collector System *(23 35 13 13)*		
23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,831.48	1,064.25
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,417.31	1,263.79
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,508.14	1,463.33
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,423.81	1,729.40
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	15,616.25	1,965.09
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,944.90	2,292.61
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	21,700.62	2,620.12
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	24,402.19	3,013.14
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	27,229.97	3,406.16
23 35 13 13-0011		Vacuum Tubing And Accessories *(23 35 13 13)*		
23 35 13 13-0012		Vacuum Tubing *(23 35 13 13-0011)*		
23 35 13 13-0013		Flexible Hose *(23 35 13 13-0012)*		
23 35 13 13-0014	LF	2" Flexible Hose	13.65	2.20
23 35 13 13-0015	LF	3" Flexible Hose	16.34	2.46
23 35 13 13-0016	LF	4" Flexible Hose	17.74	2.70
23 35 13 13-0017		Galvanized Vacuum Tubing *(23 35 13 13-0012)*		
23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.18	2.20
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	12.50	2.34
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	14.83	2.46
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	19.23	2.58
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	19.78	2.70
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	32.54	3.07
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	36.68	3.56
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	49.64	4.91
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	58.20	6.14
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	144.08	8.10
23 35 13 13-0028		Vacuum Fittings, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0029		90 Degree Elbow *(23 35 13 13-0028)*		
23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	56.55	14.11
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	69.62	15.10
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	86.42	16.45
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	101.74	17.80
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	120.95	19.64
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	198.30	21.84
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	262.52	24.54
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	469.42	32.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0038		**45 Degree Elbow** *(23 35 13 13-0028)*		
23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	53.11	14.11
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	66.79	15.10
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	76.91	16.45
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	91.01	17.80
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	111.04	19.64
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	163.89	21.84
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	211.92	24.54
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	384.41	32.76
23 35 13 13-0047		**Wye** *(23 35 13 13-0028)*		
23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	102.26	23.31
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	122.32	25.15
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	148.63	27.00
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	180.01	30.07
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	238.66	32.52
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	399.94	36.21
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	528.66	41.11
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	1,038.14	44.79
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,435.48	49.09
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,812.26	54.98
23 35 13 13-0058		**Reducer** *(23 35 13 13-0028)*		
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	58.68	16.45
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	65.20	17.80
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	81.86	19.64
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	88.42	21.84
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	103.27	24.54
23 35 13 13-0064		**Air Gate Valve, Galvanized** *(23 35 13 13-0011)*		
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	392.67	32.76
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	411.45	34.98
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	472.32	37.68
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	537.54	40.25
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	605.64	42.71
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	714.87	48.72
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	823.06	54.61

23 35 16 Engine Exhaust Systems *(23 35)*

23 35 16 16 Mechanical Engine Exhaust Systems *(23 35 16)*

23 35 16 16-0001 Tailpipe Exhaust Equipment *(23 35 16 16)*

23 35 16 16-0002 Automatic Exhaust Extraction System *(23 35 16 16-0001)*

Note: (Neiderman System) Includes track, hydraulic shock absorber, automatic disconnect box, flexible hose, electromagnetic ergonomic positioner, nozzle, power supply and accessories.

23 35 16 16-0003	EA	Magnatrack System For One Vehicle (30" To 40" Track)	42,912.45
23 35 16 16-0004	EA	Magnatrack System For Two Vehicles (2 Each 30" Tracks)	61,984.65
23 35 16 16-0005	EA	Magnatrack System For Tandem Vehicles (2 Each 30" Tracks)	61,984.65
23 35 16 16-0006	EA	Magnarail System For One Vehicle (33" Rail)	50,859.20
23 35 16 16-0007	EA	Magnarail System For Two Vehicles in Tandem (66" Rail)	76,288.80
23 35 16 16-0008	EA	Magnastack For One Vehicle, Vertical Exhaust Stacks (30" Stack)	39,733.75

23 35 16 16-0009 Overhead Tailpipe Exhaust System *(23 35 16 16)*

23 35 16 16-0010 Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0009)*

23 35 16 16-0011 Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0010)*

23 35 16 16-0012	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,960.19	261.40
23 35 16 16-0013	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,566.76	533.85
23 35 16 16-0014	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,362.98	646.75

23 35 16 16-0015 Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0010)*

23 35 16 16-0016	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,439.12	533.85
23 35 16 16-0017	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,723.40	646.75
23 35 16 16-0018	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,636.23	1,023.51
23 35 16 16-0019	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,892.78	1,320.50
23 35 16 16-0020	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,717.62	1,573.30

23 35 16 16-0021 Spiral Exhaust Duct Accessories *(23 35 16 16-0009)*

23 35 16 16-0022 Flex Hose x Length *(23 35 16 16-0021)*

Note: Includes duct coupler, damper and tailpipe adapter.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0023	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	195.92	65.05
23 35 16 16-0024	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	165.45	65.05
23 35 16 16-0025	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	299.82	103.09
23 35 16 16-0026	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	248.90	103.09
23 35 16 16-0027	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	421.57	163.22
23 35 16 16-0028	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	403.34	163.22
23 35 16 16-0029	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	642.15	258.95
23 35 16 16-0030	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	603.82	258.95
23 35 16 16-0031		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0021)*		
23 35 16 16-0032	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	220.22	65.05
23 35 16 16-0033	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	317.56	103.09
23 35 16 16-0034	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	185.12	65.05
23 35 16 16-0035	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	265.49	103.09
23 35 16 16-0036	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,822.22	87.62
23 35 16 16-0037	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,575.50	160.76
23 35 16 16-0038	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,740.52	160.76
23 35 16 16-0039	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	83.10	12.52
23 35 16 16-0040	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	93.23	12.52
23 35 16 16-0041		Flexible Hose *(23 35 16 16-0021)*		
23 35 16 16-0042	LF	3" Stainless Steel Flexible Tubing	29.11	3.07
23 35 16 16-0043	LF	4" Stainless Steel Flexible Tubing	36.68	3.43
23 35 16 16-0044	LF	5" Stainless Steel Flexible Tubing	43.26	3.56
23 35 16 16-0045	LF	6" Stainless Steel Flexible Tubing	50.75	3.80
23 35 16 16-0046	LF	3" Galvanized Flexible Tubing	24.35	3.07
23 35 16 16-0047	LF	4" Galvanized Flexible Tubing	28.57	3.43
23 35 16 16-0048	LF	5" Galvanized Flexible Tubing	32.76	3.56
23 35 16 16-0049	LF	6" Galvanized Flexible Tubing	36.54	3.80
23 35 16 16-0050		Accessories *(23 35 16 16-0009)*		
23 35 16 16-0051	EA	3" Tail Pipe Adapter	68.78	9.20
23 35 16 16-0052	EA	4" Tail Pipe Adapter	70.79	9.20
23 35 16 16-0053	EA	5" Tail Pipe Adapter	75.27	10.43
23 35 16 16-0054	EA	3" Bullnose (Guide)	38.01	6.14
23 35 16 16-0055	EA	4" Bullnose (Guide)	40.36	6.75
23 35 16 16-0056	EA	5" Bullnose (Guide)	43.05	7.37
23 35 16 16-0057	EA	Flex-Hose Winch And Associated Hardware	274.73	69.59
23 35 16 16-0058	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.17	
23 35 19		**Fume Exhaust Systems** *(23 35)*		
23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,773.68	490.52
23 35 19 00-0002	EA	Hose Extension Kit 5'	449.44	108.97

23 36 Air Terminal Units *(23 30)*

23 36 13 Constant-Air-Volume Units *(23 36)*

23 36 13 00-0001		Vertical Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	2,104.13	168.98
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,537.78	181.98
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,709.20	188.49
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,893.64	201.48
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	3,270.07	207.98
23 36 13 00-0007		Horizontal Units, With Electric Heating Coils *(23 36 13)*		
23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,778.16	168.98
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	2,130.13	181.98
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,549.47	191.73
23 36 13 00-0011		Duct Boxes, Constant Volume Control *(23 36 13)*		
23 36 13 00-0012		Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,484.73	50.55
		For Boxes With Motor, Add	*257.04*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,643.34	54.54
		For Boxes With Motor, Add	*285.13*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,707.24	59.86
		For Boxes With Motor, Add	*293.56*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,738.28	62.53
		For Boxes With Motor, Add	*297.77*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,764.08	69.18
		For Boxes With Motor, Add	*297.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,017.55	77.16
		For Boxes With Motor, Add	*341.31*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,116.80	86.47
		For Boxes With Motor, Add	*353.95*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,246.45	103.77
		For Boxes With Motor, Add	*366.72*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,375.09	119.73
		For Boxes With Motor, Add	*379.24*	
23 36 13 00-0022		Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*		
23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,089.33	50.55
		For Boxes With Motor, Add	*377.96*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,235.06	54.54
		For Boxes With Motor, Add	*403.47*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,332.57	59.86
		For Boxes With Motor, Add	*418.62*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,430.26	62.53
		For Boxes With Motor, Add	*436.17*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,456.06	69.18
		For Boxes With Motor, Add	*436.17*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,822.73	78.49
		For Boxes With Motor, Add	*502.35*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,085.84	86.47
		For Boxes With Motor, Add	*547.80*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,323.29	103.77
		For Boxes With Motor, Add	*582.09*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,469.08	119.73
		For Boxes With Motor, Add	*598.03*	
23 36 16		**Variable-Air-Volume Units** *(23 36)*		
23 36 16 00-0001		Variable Volume Terminal Unit *(23 36 16)*		
		Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.		
23 36 16 00-0002		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: Enclosure only. For mounting DDC controls.		
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only	644.69	61.19
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only	721.37	69.18
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only	802.98	77.16
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only	856.85	86.47
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only	1,182.16	186.11
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only	1,425.07	220.84
		Note: For mounting DDC controls		
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*		
		Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,351.06	61.19
		For Fan Powered Variable Air Volume Box, Add	*1,429.27*	
		For Hot Water Coils, Add	*449.81*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,460.89	69.18
		For Fan Powered Variable Air Volume Box, Add	*1,530.78*	
		For Hot Water Coils, Add	*480.83*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,529.75	77.16
		For Fan Powered Variable Air Volume Box, Add	*1,578.52*	
		For Hot Water Coils, Add	*494.28*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,596.38	86.47
		For Fan Powered Variable Air Volume Box, Add	*1,623.14*	
		For Hot Water Coils, Add	*506.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,852.83	186.11
		For Fan Powered Variable Air Volume Box, Add	*1,821.70*	
		For Hot Water Coils, Add	*564.59*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,151.84	220.84
		For Fan Powered Variable Air Volume Box, Add	*1,975.76*	
		For Hot Water Coils, Add	*602.85*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,230.84	61.19
		For Hot Water Coils, Add	*806.56*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,320.27	69.18
		For Hot Water Coils, Add	*829.31*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,401.88	77.16
		For Hot Water Coils, Add	*847.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,516.95	86.47
		For Hot Water Coils, Add	*879.98*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,775.96	186.11
		For Hot Water Coils, Add	*938.92*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,826.96	186.11
		For Hot Water Coils, Add	*959.60*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)*		
		Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,529.68	120.92
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,672.74	137.69
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,790.70	155.51
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	1,963.76	173.47
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,207.64	199.54
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,424.47	239.45
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0030		**Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)** *(23 36 16 00-0001)*		
23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	655.90	83.15
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	711.79	91.46
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	769.27	99.77
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	828.43	108.08
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	889.43	116.40
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	952.34	124.72
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,022.68	133.03
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,090.27	141.34
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,160.28	149.66
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,232.84	157.97
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,308.18	166.29
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,386.44	174.61
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,467.86	182.92
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,545.35	191.23
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,633.24	199.54
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	135.96	17.30
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*151.97*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	150.97	17.30
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	150.97	17.30
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	181.38	21.28
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	181.38	19.95
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	208.90	19.95
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*284.24*	
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	239.49	26.61
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*305.62*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	278.46	27.93
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*381.62*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	315.32	31.93
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*424.40*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	140.97	17.30
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*163.24*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	160.48	17.30
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	160.48	17.30
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	192.64	19.95
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	192.64	21.28
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	248.20	26.61
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*324.20*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	221.68	26.61
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*264.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	276.86	31.93
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*339.39*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	320.51	35.91
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*422.15*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	350.24	70.37
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*471.11*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	230.80	17.30
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*365.36*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	239.13	17.30
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*384.10*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	269.93	21.28
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*421.56*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	290.75	19.95
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*468.41*	
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	416.38	23.95
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*721.33*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	439.10	25.28
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*763.49*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	462.17	26.61
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	534.46	26.61
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*957.62*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	637.86	30.60
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	718.17	31.93
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,332.34*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	857.92	35.91
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,613.39*	

23 37 13 13-0035 Round Ceiling Diffusers With Adjustable Pattern Dropped Style *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	243.29	17.30
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*393.46*	
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	264.80	17.30
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*441.86*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	300.00	21.28
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*489.22*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	324.06	21.28
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*543.35*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	470.51	23.95
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*843.12*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	410.37	25.28
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*900.88*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	530.18	26.61
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*958.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	615.42	27.93
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,139.78*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	695.23	30.60
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,294.88*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	843.08	31.93
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,015.67	35.91
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*1,968.32*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,125.33	74.90
		For Stainless Steel, Add	*2,195.26*	

23 37 13 13-0048 Linear Type Ceiling Diffusers With 2-Way Air Deflection *(23 37 13 13-0001)*

23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	184.89	19.95
		For Stainless Steel, Add	*236.41*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	199.18	19.95
		For Stainless Steel, Add	*268.56*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	216.75	19.95
		For Stainless Steel, Add	*308.09*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	233.87	19.95
		For Stainless Steel, Add	*346.61*	

23 37 13 13-0053 VAV Ceiling Diffuser With Blade Damper *(23 37 13 13-0001)*

23 37 13 13-0054	EA	24" x 24" T-Bar Lay-In, VAV Ceiling Diffuser With Blade Damper (Acutherm TF-HC) Note: Individual setpoints for VAV heating and VAV cooling.	1,034.00	59.86

23 37 13 13-0055 Drum Louver Diffusers, Drop Box *(23 37 13 13)*

23 37 13 13-0056 Drum Louver Diffusers, Four Way Drop Box *(23 37 13 13-0055)*

23 37 13 13-0057	EA	20" Square x 11-1/2" Depth, 16" Square Top Opening, 1,000 To 2,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 12" x 6" aluminum drum louvers and duct cap on bottom.	1,328.20	116.80
23 37 13 13-0058	EA	26" Square x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 18" x 6" aluminum drum louvers and duct cap on bottom.	1,442.30	133.96
23 37 13 13-0059	EA	32" Square x 11-1/2" Depth, 26" Square Top Opening, 2,400 To 4,400 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 24" x 6" aluminum drum louvers and duct cap on bottom.	1,649.72	162.83
23 37 13 13-0060	EA	30" Square x 15" Depth, 22" Square Top Opening, 3,400 To 6,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 20" x 10" aluminum drum louvers and duct cap on bottom.	1,744.66	182.25
23 37 13 13-0061	EA	35" Square x 15" Depth, 27" Square Top Opening, 4,000 To 7,600 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 25" x 10" aluminum drum louvers and duct cap on bottom.	1,860.10	197.95
23 37 13 13-0062	EA	40" Square x 15" Depth, 32" Square Top Opening, 5,000 To 9,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 10" aluminum drum louvers and duct cap on bottom.	2,234.50	222.03
23 37 13 13-0063	EA	40" Square x 17" Depth, 32" Square Top Opening, 6,000 To 11,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 30" x 12" aluminum drum louvers and duct cap on bottom.	2,528.86	246.24
23 37 13 13-0064	EA	47" Square x 17" Depth, 37" Square Top Opening, 7,000 To 13,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 12" aluminum drum louvers and duct cap on bottom.	2,970.68	298.26
23 37 13 13-0065	EA	47" Square x 20" Depth, 37" Square Top Opening, 8,700 To 16,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 35" x 15" aluminum drum louvers and duct cap on bottom.	3,103.12	299.31
23 37 13 13-0066	EA	52" Square x 20" Depth, 42" Square Top Opening, 10,000 To 18,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 40" x 15" aluminum drum louvers and duct cap on bottom.	3,570.96	327.79
23 37 13 13-0067	EA	62" Square x 20" Depth, 50" Square Top Opening, 12,500 To 23,000 CFM, Four Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and four 50" x 15" aluminum drum louvers and duct cap on bottom.	4,477.49	363.70

23 37 13 13-0068 Drum Louver Diffusers, Six Way Drop Box *(23 37 13 13-0055)*

23 37 13 13-0069	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,000 To 2,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 9" x 6" aluminum drum louvers and duct cap on bottom.	2,110.68	148.33
23 37 13 13-0070	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 12" x 6" aluminum drum louvers and duct cap on bottom.	2,248.02	175.33
23 37 13 13-0071	EA	53.25" x 46.12" x 11" Depth, 24" Square Top Opening, 2,700 To 5,000 CFM, Six Way, Galvanized Drum Louver Drop Box Note: Includes 2" thick R-8 insulation and six 18" x 6" aluminum drum louvers and duct cap on bottom.	2,511.86	200.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0072	EA	57.25" x 49.58" x 15" Depth, 28" Square Top Opening, 5,000 To 9,000 CFM, Six Way, Galvanized Drum Louver Drop Box	3,151.72	273.38
		Note: Includes 2" thick R-8 insulation and six 20" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0073	EA	67.25" x 58.25" x 15" Depth, 33" Square Top Opening, 6,200 To 11,400 CFM, Six Way, Galvanized Drum Louver Drop Box	3,628.43	296.79
		Note: Includes 2" thick R-8 insulation and six 25" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0074	EA	77.25" x 66.90" x 15" Depth, 38" Square Top Opening, 7,500 To 13,500 CFM, Six Way, Galvanized Drum Louver Drop Box	4,511.24	333.10
		Note: Includes 2" thick R-8 insulation and six 30" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0075	EA	77.25" x 66.90" x 20" Depth, 38" Square Top Opening, 11,250 To 18,750 CFM, Six Way, Galvanized Drum Louver Drop Box	5,812.91	406.27
		Note: Includes 2" thick R-8 insulation and six 30" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0076	EA	87.25" x 75.56" x 20" Depth, 40" Square Top Opening, 13,100 To 24,000 CFM, Six Way, Galvanized Drum Louver Drop Box	6,752.78	448.98
		Note: Includes 2" thick R-8 insulation and six 35" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0077		Wall And Floor Diffusers *(23 37 13 13)*		
23 37 13 13-0078		Slot Type Linear Diffusers *(23 37 13 13-0077)*		
		Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0079	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	62.64	6.65
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*41.64*	
23 37 13 13-0080	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	76.84	7.98
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*55.51*	
23 37 13 13-0081	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	107.47	9.31
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*87.43*	
23 37 13 13-0082	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	142.65	9.31
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*124.91*	
23 37 13 13-0083	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	179.25	10.65
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*162.38*	
23 37 13 13-0084	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	210.11	13.30
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*191.52*	
23 37 13 13-0085		Linear Bar Grilles And Registers *(23 37 13 13-0077)*		
		Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0086	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	198.28	7.98
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*201.24*	
23 37 13 13-0087	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	237.00	9.31
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*242.87*	
23 37 13 13-0088	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	258.30	9.31
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*263.69*	
23 37 13 13-0089	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	316.51	13.30
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0090	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	437.92	17.30
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*444.11*	
23 37 13 13-0091	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	504.71	19.95
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*506.57*	
23 37 13 13-0092		Return/Exhaust Registers And Grilles *(23 37 13 13)*		
23 37 13 13-0093		Return/Exhaust Registers With Frame *(23 37 13 13-0092)*		
		Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0094	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	134.39	10.65
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*209.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0095	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	154.63	10.65
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*255.02*	
23 37 13 13-0096	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	173.37	11.97
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0097	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	181.17	13.30
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0098	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	173.08	13.30
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*264.13*	
23 37 13 13-0099	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	222.24	17.30
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*346.10*	
23 37 13 13-0100	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	266.23	19.95
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*413.24*	
23 37 13 13-0101	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	326.51	23.95
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*519.12*	
23 37 13 13-0102	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	383.51	26.61
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*628.65*	
23 37 13 13-0103	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	342.55	26.61
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*525.83*	
23 37 13 13-0104	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	392.19	26.61
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*637.52*	
23 37 13 13-0105	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	413.41	30.60
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*660.78*	
23 37 13 13-0106	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	438.13	31.93
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*702.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0107	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	505.15	35.91
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*819.65*	
23 37 13 13-0108	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	565.28	42.57
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*887.04*	
23 37 13 13-0109	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	736.68	42.57
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,272.69*	
23 37 13 13-0110	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	610.09	46.56
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*958.25*	
23 37 13 13-0111	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	593.81	45.23
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*921.62*	
23 37 13 13-0112	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	676.57	50.55
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,073.32*	
23 37 13 13-0113	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	919.75	54.54
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,579.64*	
23 37 13 13-0114	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	406.82	30.73
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*639.11*	
23 37 13 13-0115	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	703.08	46.05
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,167.48*	
23 37 13 13-0116	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	813.89	54.54
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,339.67*	

23 37 13 13-0117 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0092)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0118	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	123.87	10.65
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0119	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	123.87	10.65
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0120	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	152.33	11.97
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*234.99*	
23 37 13 13-0121	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	174.70	14.63
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*267.77*	
23 37 13 13-0122	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	172.27	13.30
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*262.31*	
23 37 13 13-0123	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	223.86	17.30
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0124	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	363.49	21.28
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*632.07*	
23 37 13 13-0125	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	438.24	23.95
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*770.51*	
23 37 13 13-0126	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	495.14	26.61
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*879.82*	
23 37 13 13-0127	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	410.01	26.61
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*677.61*	
23 37 13 13-0128	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	555.74	27.93
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,005.50*	
23 37 13 13-0129	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	649.19	30.60
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,191.29*	
23 37 13 13-0130	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	495.19	31.93
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*830.63*	
23 37 13 13-0131	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	684.90	35.91
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,224.09*	
23 37 13 13-0132	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	824.37	42.57
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,469.99*	
23 37 13 13-0133	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	947.02	42.57
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,745.96*	
23 37 13 13-0134	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	638.37	45.23
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,021.88*	
23 37 13 13-0135	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	871.53	45.23
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,546.49*	
23 37 13 13-0136	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,010.74	50.55
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*1,825.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0137	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,183.11	54.54
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,172.20*	
23 37 13 13-0138	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,251.12	54.54
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,325.22*	

23 37 13 13-0139 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0092)*

23 37 13 13-0140	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	63.80	13.01
23 37 13 13-0141	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	63.80	13.01
23 37 13 13-0142	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.37	13.01
23 37 13 13-0143	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	71.60	13.01
23 37 13 13-0144	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.37	13.01
23 37 13 13-0145	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	71.60	13.01
23 37 13 13-0146	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.11	17.06
23 37 13 13-0147	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.34	17.06
23 37 13 13-0148	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	83.88	17.06
23 37 13 13-0149	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.34	17.06
23 37 13 13-0150	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.57	17.06
23 37 13 13-0151	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.80	17.06
23 37 13 13-0152	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.46	17.06
23 37 13 13-0153	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.92	17.06
23 37 13 13-0154	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	96.15	17.06
23 37 13 13-0155	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	106.18	17.06
23 37 13 13-0156	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.92	17.06
23 37 13 13-0157	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	101.72	17.06
23 37 13 13-0158	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	106.18	17.06
23 37 13 13-0159	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	136.29	25.15
23 37 13 13-0160	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	138.52	25.15
23 37 13 13-0161	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	134.06	25.15
23 37 13 13-0162	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	164.17	29.21
23 37 13 13-0163	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	131.83	25.15
23 37 13 13-0164	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	175.32	29.21
23 37 13 13-0165	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	91.69	17.06
23 37 13 13-0166	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	134.06	25.15
23 37 13 13-0167	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	196.51	33.26
23 37 13 13-0168	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	131.83	25.15
23 37 13 13-0169	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	136.29	25.15
23 37 13 13-0170	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	157.48	29.21
		For Lay-In Installation, Deduct	*-61.56*	
23 37 13 13-0171	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	164.17	29.21
23 37 13 13-0172	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	183.13	33.26
23 37 13 13-0173	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	189.82	33.26
23 37 13 13-0174	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	197.63	33.26
23 37 13 13-0175	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	212.12	33.26
		For Lay-In Installation, Deduct	*-70.48*	
23 37 13 13-0176	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	160.83	29.21
23 37 13 13-0177	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	260.96	36.45
23 37 13 13-0178	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	447.16	44.55
		For Lay-In Installation, Deduct	*-101.45*	

23 37 13 13-0179 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0180 Adjustable Curved Blade Register *(23 37 13 13-0179)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0181	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	112.00	10.65
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0182	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	116.16	10.65
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*168.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0183	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	126.60	14.63
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0184	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	141.87	13.30
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*193.61*	
23 37 13 13-0185	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	170.53	17.30
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*231.08*	
23 37 13 13-0186	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	210.25	19.95
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0187	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	210.25	19.95
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0188	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	259.10	26.61
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0189	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	343.40	27.93
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*527.74*	
23 37 13 13-0190	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	563.18	56.40
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,013.31*	
23 37 13 13-0191		Removable-Reversible Core Registers *(23 37 13 13-0179)*		
		Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0192	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	130.04	10.65
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*199.85*	
23 37 13 13-0193	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	166.13	10.65
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*281.05*	
23 37 13 13-0194	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	211.26	14.63
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*349.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0195	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	214.03	14.63
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*355.97*	
23 37 13 13-0196	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	273.23	17.30
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*462.15*	
23 37 13 13-0197	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	390.67	21.28
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*693.23*	
23 37 13 13-0198	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	440.63	19.95
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0199	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	531.12	26.61
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*961.79*	
23 37 13 13-0200	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	672.32	26.61
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,267.81*	
23 37 13 13-0201		**Adjustable Shutter Blade Registers** *(23 37 13 13-0179)*		
		Note: Double deflection flat frame aluminum construction.		
23 37 13 13-0202	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	203.14	10.65
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*364.32*	
23 37 13 13-0203	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	235.52	10.65
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0204	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	250.12	14.63
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0205	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	259.37	13.30
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*457.99*	
23 37 13 13-0206	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	317.64	17.30
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*562.07*	
23 37 13 13-0207	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	424.91	19.95
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*770.27*	
23 37 13 13-0208	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	503.55	21.28
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*947.21*	
23 37 13 13-0209	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	621.79	26.61
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0210	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	862.92	27.93
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,696.66*	
23 37 13 13-0211		**Air Conditioning And Ventilation** *(23 37 13 13-0179)*		
23 37 13 13-0212	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	125.37	27.93
		For Stainless Steel, Add	*156.49*	
23 37 13 13-0213	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	222.24	41.57
		For Stainless Steel, Add	*312.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0214	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	348.22	58.20
		For Stainless Steel, Add	*521.60*	
23 37 13 13-0215	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	924.64	79.82
		For Stainless Steel, Add	*1,721.27*	
23 37 13 13-0216		**Square Wall Return Air And Exhaust Grilles** *(23 37 13 13-0179)*		
		Note: Egg crate design aluminum construction.		
23 37 13 13-0217	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	108.43	33.32
23 37 13 13-0218	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	121.29	33.32
23 37 13 13-0219	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	180.32	49.98
23 37 13 13-0220	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	244.62	49.98
23 37 13 13-0221	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	422.62	66.63
23 37 13 13-0222	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	811.11	66.51
23 37 13 13-0223		**Rectangular Four-Way Adjustable Deflection Wall Supply Grilles** *(23 37 13 13-0179)*		
		Note: Aluminum construction.		
23 37 13 13-0224	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	288.15	23.98
23 37 13 13-0225	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	329.78	23.98
23 37 13 13-0226	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	398.06	26.65
23 37 13 13-0227	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	472.04	26.65
23 37 13 13-0228	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	604.38	83.29
23 37 13 13-0229	EA	6" x 6" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	114.23	39.98
23 37 13 13-0230	EA	8" x 8" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	120.89	43.31
23 37 13 13-0231	EA	10" x 10" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	139.78	46.64
23 37 13 13-0232	EA	12" x 12" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	150.14	49.98
23 37 13 13-0233	EA	14" x 14" 2, 3, 4-Way Adjustable Wall Supply Grille, Adjustable, Titus Mode 250	166.59	53.31
23 37 13 13-0234		**Square Ceiling Return Air And Exhaust Grilles** *(23 37 13 13-0179)*		
		Note: Egg crate design, plastic construction.		
23 37 13 13-0235	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	54.77	15.95
23 37 13 13-0236	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	79.52	16.08
23 37 13 13-0237		**Door Grilles Sight Proof Inverted Vee Cross Section** *(23 37 13 13-0179)*		
		Note: Painted steel louvers and frame.		
23 37 13 13-0238	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	160.64	23.98
23 37 13 13-0239	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	200.25	23.98
23 37 13 13-0240	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	251.14	25.32
23 37 13 13-0241	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	348.29	30.25
23 37 13 13-0242	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	386.24	55.57
23 37 13 13-0243		**Stainless Steel Devices** *(23 37 13 13-0179)*		
23 37 13 13-0244		**304 Stainless Steel, Louvered Partition/Door Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0245	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	243.33	20.79
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0246	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	205.25	20.79
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0247		**304 Stainless Steel, Single Deflection Supply Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0248	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	184.15	20.79
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0249	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	156.46	20.79
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0250		**304 Stainless Steel, Double Deflection Supply Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0251	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	269.80	20.79
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0252	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	229.83	20.79
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0253		**304 Stainless Steel Return Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0254	SF	Up To 4 SF, 304 Stainless Steel Return Grille	184.15	20.79
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0255	SF	>4 SF, 304 Stainless Steel Return Grille	156.46	20.79
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0256		**304 Stainless Steel, Louvered Supply/Return Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0257	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	184.15	20.79
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0258	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	156.46	20.79
		For 316 Stainless Steel, Add	*24.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0259		**304 Stainless Steel, Perforated Return Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0260	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	184.15	20.79
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0261	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	148.85	20.79
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0262		**304 Stainless Steel, Perforated Supply Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0263	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	223.08	20.79
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0264	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	152.90	20.79
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0265		**304 Stainless Steel, Door Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0266	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	333.65	20.79
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0267	SF	>4 SF, 304 Stainless Steel, Door Grille	278.29	20.79
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0268		**304 Stainless Steel, Linear Bar Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0269	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	426.57	20.79
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0270	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	365.14	20.79
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0271		**304 Stainless Steel, Hinged Filter Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0272	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	313.41	20.79
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0273	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	216.52	20.79
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0274		**304 Stainless Steel, Opposed Blade Dampers Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0275	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	168.58	20.79
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0276	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	128.27	20.79
		For 316 Stainless Steel, Add	*18.72*	
23 37 13 13-0277		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0243)*		
		Note: For frequent replacement.		
23 37 13 13-0278	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	131.20	20.79
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0279	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	69.43	20.79
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0280		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0243)*		
23 37 13 13-0281	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	308.74	20.79
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0282	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	241.43	20.79
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0283		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0243)*		
23 37 13 13-0284	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	107.84	20.79
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0285	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	107.84	20.79
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0286		**Supply Grille With Rotating Aluminum Drum And Aluminun Frame** *(23 37 13 13-0179)*		
		Note: Titus DL or equal		
23 37 13 13-0287	EA	9" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	98.26	20.62
		For Adjustable Deflection Blades, Add	*3.71*	
		For Split Vane Supply Grille, Add	*5.56*	
		For Curved Frame For Round Duct Mounting, Add	*8.84*	
		For Stainless Steel, Add	*42.79*	
23 37 13 13-0288	EA	12" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	117.35	24.34
		For Adjustable Deflection Blades, Add	*4.46*	
		For Split Vane Supply Grille, Add	*6.69*	
		For Curved Frame For Round Duct Mounting, Add	*10.64*	
		For Stainless Steel, Add	*51.50*	
23 37 13 13-0289	EA	15" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	134.88	26.07
		For Adjustable Deflection Blades, Add	*5.37*	
		For Split Vane Supply Grille, Add	*8.06*	
		For Curved Frame For Round Duct Mounting, Add	*12.81*	
		For Stainless Steel, Add	*61.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0290	EA	18" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	148.86	27.93
		For Adjustable Deflection Blades, Add	*6.05*	
		For Split Vane Supply Grille, Add	*9.07*	
		For Curved Frame For Round Duct Mounting, Add	*14.42*	
		For Stainless Steel, Add	*69.79*	
23 37 13 13-0291	EA	20" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	159.19	30.86
		For Adjustable Deflection Blades, Add	*6.33*	
		For Split Vane Supply Grille, Add	*9.49*	
		For Curved Frame For Round Duct Mounting, Add	*15.09*	
		For Stainless Steel, Add	*73.04*	
23 37 13 13-0292	EA	24" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	183.79	33.92
		For Adjustable Deflection Blades, Add	*7.54*	
		For Split Vane Supply Grille, Add	*11.31*	
		For Curved Frame For Round Duct Mounting, Add	*17.98*	
		For Stainless Steel, Add	*86.98*	
23 37 13 13-0293	EA	30" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	218.04	37.60
		For Adjustable Deflection Blades, Add	*9.28*	
		For Split Vane Supply Grille, Add	*13.92*	
		For Curved Frame For Round Duct Mounting, Add	*22.14*	
		For Stainless Steel, Add	*107.12*	
23 37 13 13-0294	EA	36" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	258.46	41.37
		For Adjustable Deflection Blades, Add	*11.43*	
		For Split Vane Supply Grille, Add	*17.15*	
		For Curved Frame For Round Duct Mounting, Add	*27.26*	
		For Stainless Steel, Add	*131.92*	
23 37 13 13-0295	EA	40" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	299.58	46.56
		For Adjustable Deflection Blades, Add	*13.42*	
		For Split Vane Supply Grille, Add	*20.13*	
		For Curved Frame For Round Duct Mounting, Add	*32.00*	
		For Stainless Steel, Add	*154.85*	
23 37 13 13-0296	EA	48" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	329.60	51.88
		For Adjustable Deflection Blades, Add	*14.69*	
		For Split Vane Supply Grille, Add	*22.03*	
		For Curved Frame For Round Duct Mounting, Add	*35.02*	
		For Stainless Steel, Add	*169.46*	
23 37 13 13-0297	EA	12" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	124.90	27.01
		For Adjustable Deflection Blades, Add	*4.61*	
		For Split Vane Supply Grille, Add	*6.92*	
		For Curved Frame For Round Duct Mounting, Add	*10.99*	
		For Stainless Steel, Add	*53.20*	
23 37 13 13-0298	EA	15" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	143.27	29.00
		For Adjustable Deflection Blades, Add	*5.55*	
		For Split Vane Supply Grille, Add	*8.32*	
		For Curved Frame For Round Duct Mounting, Add	*13.23*	
		For Stainless Steel, Add	*64.02*	
23 37 13 13-0299	EA	18" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	157.99	30.99
		For Adjustable Deflection Blades, Add	*6.25*	
		For Split Vane Supply Grille, Add	*9.37*	
		For Curved Frame For Round Duct Mounting, Add	*14.90*	
		For Stainless Steel, Add	*72.10*	
23 37 13 13-0300	EA	20" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	169.11	34.32
		For Adjustable Deflection Blades, Add	*6.54*	
		For Split Vane Supply Grille, Add	*9.81*	
		For Curved Frame For Round Duct Mounting, Add	*15.59*	
		For Stainless Steel, Add	*75.45*	
23 37 13 13-0301	EA	24" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	201.22	37.38
		For Adjustable Deflection Blades, Add	*8.23*	
		For Split Vane Supply Grille, Add	*12.34*	
		For Curved Frame For Round Duct Mounting, Add	*19.62*	
		For Stainless Steel, Add	*94.94*	
23 37 13 13-0302	EA	30" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	237.89	41.64
		For Adjustable Deflection Blades, Add	*10.04*	
		For Split Vane Supply Grille, Add	*15.07*	
		For Curved Frame For Round Duct Mounting, Add	*23.95*	
		For Stainless Steel, Add	*115.89*	
23 37 13 13-0303	EA	36" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	288.77	45.76
		For Adjustable Deflection Blades, Add	*12.82*	
		For Split Vane Supply Grille, Add	*19.23*	
		For Curved Frame For Round Duct Mounting, Add	*30.58*	
		For Stainless Steel, Add	*147.95*	
23 37 13 13-0304	EA	40" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	343.19	51.61
		For Adjustable Deflection Blades, Add	*15.60*	
		For Split Vane Supply Grille, Add	*23.40*	
		For Curved Frame For Round Duct Mounting, Add	*37.20*	
		For Stainless Steel, Add	*180.00*	
		For Stainless Steel, Add	*540.00*	
23 37 13 13-0305	EA	48" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	368.28	57.47
		For Adjustable Deflection Blades, Add	*16.47*	
		For Split Vane Supply Grille, Add	*24.71*	
		For Curved Frame For Round Duct Mounting, Add	*39.28*	
		For Stainless Steel, Add	*190.05*	
23 37 13 13-0306	EA	12" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	135.30	29.94
		For Adjustable Deflection Blades, Add	*4.91*	
		For Split Vane Supply Grille, Add	*7.36*	
		For Curved Frame For Round Duct Mounting, Add	*11.70*	
		For Stainless Steel, Add	*56.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0307	EA	15" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	155.04	32.06
		For Adjustable Deflection Blades, Add	*5.91*	
		For Split Vane Supply Grille, Add	*8.86*	
		For Curved Frame For Round Duct Mounting, Add	*14.08*	
		For Stainless Steel, Add	*68.14*	
23 37 13 13-0308	EA	18" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	170.88	34.32
		For Adjustable Deflection Blades, Add	*6.65*	
		For Split Vane Supply Grille, Add	*9.98*	
		For Curved Frame For Round Duct Mounting, Add	*15.86*	
		For Stainless Steel, Add	*76.73*	
23 37 13 13-0309	EA	20" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	183.00	37.92
		For Adjustable Deflection Blades, Add	*6.96*	
		For Split Vane Supply Grille, Add	*10.44*	
		For Curved Frame For Round Duct Mounting, Add	*16.60*	
		For Stainless Steel, Add	*80.30*	
23 37 13 13-0310	EA	25" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	217.18	41.24
		For Adjustable Deflection Blades, Add	*8.76*	
		For Split Vane Supply Grille, Add	*13.14*	
		For Curved Frame For Round Duct Mounting, Add	*20.88*	
		For Stainless Steel, Add	*101.05*	
23 37 13 13-0311	EA	30" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	257.00	46.30
		For Adjustable Deflection Blades, Add	*10.69*	
		For Split Vane Supply Grille, Add	*16.03*	
		For Curved Frame For Round Duct Mounting, Add	*25.49*	
		For Stainless Steel, Add	*123.35*	
23 37 13 13-0312	EA	35" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	309.67	50.82
		For Adjustable Deflection Blades, Add	*13.53*	
		For Split Vane Supply Grille, Add	*20.29*	
		For Curved Frame For Round Duct Mounting, Add	*32.25*	
		For Stainless Steel, Add	*156.07*	
23 37 13 13-0313	EA	40" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	355.06	57.34
		For Adjustable Deflection Blades, Add	*15.63*	
		For Split Vane Supply Grille, Add	*23.45*	
		For Curved Frame For Round Duct Mounting, Add	*37.28*	
		For Stainless Steel, Add	*180.39*	
23 37 13 13-0314	EA	50" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	394.63	63.72
		For Adjustable Deflection Blades, Add	*17.38*	
		For Split Vane Supply Grille, Add	*26.06*	
		For Curved Frame For Round Duct Mounting, Add	*41.43*	
		For Stainless Steel, Add	*200.49*	
23 37 13 13-0315	EA	12" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	151.27	32.33
		For Adjustable Deflection Blades, Add	*5.62*	
		For Split Vane Supply Grille, Add	*8.43*	
		For Curved Frame For Round Duct Mounting, Add	*13.41*	
		For Stainless Steel, Add	*64.88*	
23 37 13 13-0316	EA	15" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	173.60	34.72
		For Adjustable Deflection Blades, Add	*6.77*	
		For Split Vane Supply Grille, Add	*10.15*	
		For Curved Frame For Round Duct Mounting, Add	*16.13*	
		For Stainless Steel, Add	*78.07*	
23 37 13 13-0317	EA	18" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	191.48	37.11
		For Adjustable Deflection Blades, Add	*7.62*	
		For Split Vane Supply Grille, Add	*11.43*	
		For Curved Frame For Round Duct Mounting, Add	*18.17*	
		For Stainless Steel, Add	*87.93*	
23 37 13 13-0318	EA	20" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	204.92	41.11
		For Adjustable Deflection Blades, Add	*7.97*	
		For Split Vane Supply Grille, Add	*11.96*	
		For Curved Frame For Round Duct Mounting, Add	*19.02*	
		For Stainless Steel, Add	*92.01*	
23 37 13 13-0319	EA	25" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	246.80	46.16
		For Adjustable Deflection Blades, Add	*10.03*	
		For Split Vane Supply Grille, Add	*15.05*	
		For Curved Frame For Round Duct Mounting, Add	*23.93*	
		For Stainless Steel, Add	*115.79*	
23 37 13 13-0320	EA	30" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	286.64	51.35
		For Adjustable Deflection Blades, Add	*11.96*	
		For Split Vane Supply Grille, Add	*17.95*	
		For Curved Frame For Round Duct Mounting, Add	*28.53*	
		For Stainless Steel, Add	*138.05*	
23 37 13 13-0321	EA	35" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	335.24	56.67
		For Adjustable Deflection Blades, Add	*14.42*	
		For Split Vane Supply Grille, Add	*21.63*	
		For Curved Frame For Round Duct Mounting, Add	*34.38*	
		For Stainless Steel, Add	*166.35*	
23 37 13 13-0322	EA	40" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	380.60	62.13
		For Adjustable Deflection Blades, Add	*16.66*	
		For Split Vane Supply Grille, Add	*24.99*	
		For Curved Frame For Round Duct Mounting, Add	*39.73*	
		For Stainless Steel, Add	*192.25*	
23 37 13 13-0323	EA	50" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	422.76	68.91
		For Adjustable Deflection Blades, Add	*18.52*	
		For Split Vane Supply Grille, Add	*27.78*	
		For Curved Frame For Round Duct Mounting, Add	*44.16*	
		For Stainless Steel, Add	*213.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0324	EA	60" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	481.96	78.62
		For Adjustable Deflection Blades, Add	*21.11*	
		For Split Vane Supply Grille, Add	*31.67*	
		For Curved Frame For Round Duct Mounting, Add	*50.34*	
		For Stainless Steel, Add	*243.59*	
23 37 13 13-0325	EA	15" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	197.11	39.11
		For Adjustable Deflection Blades, Add	*7.73*	
		For Split Vane Supply Grille, Add	*11.60*	
		For Curved Frame For Round Duct Mounting, Add	*18.44*	
		For Stainless Steel, Add	*89.24*	
23 37 13 13-0326	EA	18" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	217.44	41.77
		For Adjustable Deflection Blades, Add	*8.71*	
		For Split Vane Supply Grille, Add	*13.07*	
		For Curved Frame For Round Duct Mounting, Add	*20.77*	
		For Stainless Steel, Add	*100.50*	
23 37 13 13-0327	EA	20" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	232.65	46.16
		For Adjustable Deflection Blades, Add	*9.11*	
		For Split Vane Supply Grille, Add	*13.67*	
		For Curved Frame For Round Duct Mounting, Add	*21.74*	
		For Stainless Steel, Add	*105.17*	
23 37 13 13-0328	EA	25" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	278.87	51.22
		For Adjustable Deflection Blades, Add	*11.47*	
		For Split Vane Supply Grille, Add	*17.20*	
		For Curved Frame For Round Duct Mounting, Add	*27.35*	
		For Stainless Steel, Add	*132.35*	
23 37 13 13-0329	EA	30" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	323.22	56.40
		For Adjustable Deflection Blades, Add	*13.68*	
		For Split Vane Supply Grille, Add	*20.51*	
		For Curved Frame For Round Duct Mounting, Add	*32.61*	
		For Stainless Steel, Add	*157.79*	
23 37 13 13-0330	EA	35" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	378.24	62.39
		For Adjustable Deflection Blades, Add	*16.48*	
		For Split Vane Supply Grille, Add	*24.72*	
		For Curved Frame For Round Duct Mounting, Add	*39.30*	
		For Stainless Steel, Add	*190.14*	
23 37 13 13-0331	EA	40" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	429.56	68.24
		For Adjustable Deflection Blades, Add	*19.04*	
		For Split Vane Supply Grille, Add	*28.57*	
		For Curved Frame For Round Duct Mounting, Add	*45.41*	
		For Stainless Steel, Add	*219.74*	
23 37 13 13-0332	EA	50" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	477.17	75.83
		For Adjustable Deflection Blades, Add	*21.17*	
		For Split Vane Supply Grille, Add	*31.75*	
		For Curved Frame For Round Duct Mounting, Add	*50.47*	
		For Stainless Steel, Add	*244.23*	
23 37 13 13-0333	EA	60" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	543.97	86.34
		For Adjustable Deflection Blades, Add	*24.13*	
		For Split Vane Supply Grille, Add	*36.19*	
		For Curved Frame For Round Duct Mounting, Add	*57.54*	
		For Stainless Steel, Add	*278.42*	

23 37 13 13-0334 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

Note: Includes storage and cleaning. Excludes ductwork.

23 37 13 13-0335	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	249.43
23 37 13 13-0336	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	275.11
23 37 13 13-0337	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	41.23
23 37 13 13-0338	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	55.85

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Supply Or Return Grille *(23 37 13 43)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

23 37 13 43-0002	EA	8" x 4" Steel Security Grille	285.91	19.99
		For Anchoring Tabs, Add	*24.59*	
		For Rear Operated Opposed Blade Damper, Add	*90.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*61.48*	
		For Stainless Steel, Add	*307.41*	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	317.05	20.65
		For Anchoring Tabs, Add	*27.57*	
		For Rear Operated Opposed Blade Damper, Add	*100.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*68.94*	
		For Stainless Steel, Add	*344.68*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	363.37	23.32
		For Anchoring Tabs, Add	*31.67*	
		For Rear Operated Opposed Blade Damper, Add	*115.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*79.18*	
		For Stainless Steel, Add	*395.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	317.33	22.65
		For Anchoring Tabs, Add	*27.20*	
		For Rear Operated Opposed Blade Damper, Add	*99.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*68.01*	
		For Stainless Steel, Add	*340.03*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	338.63	23.98
		For Anchoring Tabs, Add	*29.07*	
		For Rear Operated Opposed Blade Damper, Add	*106.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*72.66*	
		For Stainless Steel, Add	*363.31*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	387.33	25.98
		For Anchoring Tabs, Add	*33.54*	
		For Rear Operated Opposed Blade Damper, Add	*122.57*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*83.84*	
		For Stainless Steel, Add	*419.20*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	432.31	27.99
		For Anchoring Tabs, Add	*37.64*	
		For Rear Operated Opposed Blade Damper, Add	*137.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*94.09*	
		For Stainless Steel, Add	*470.44*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	333.83	25.32
		For Anchoring Tabs, Add	*28.32*	
		For Rear Operated Opposed Blade Damper, Add	*104.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*70.80*	
		For Stainless Steel, Add	*353.99*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	372.69	27.99
		For Anchoring Tabs, Add	*31.67*	
		For Rear Operated Opposed Blade Damper, Add	*116.45*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*79.18*	
		For Stainless Steel, Add	*395.91*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	425.14	29.99
		For Anchoring Tabs, Add	*36.52*	
		For Rear Operated Opposed Blade Damper, Add	*133.81*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*91.29*	
		For Stainless Steel, Add	*456.46*	
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	462.67	31.98
		For Anchoring Tabs, Add	*39.87*	
		For Rear Operated Opposed Blade Damper, Add	*145.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*99.68*	
		For Stainless Steel, Add	*498.39*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	511.38	33.98
		For Anchoring Tabs, Add	*44.34*	
		For Rear Operated Opposed Blade Damper, Add	*161.99*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*110.86*	
		For Stainless Steel, Add	*554.28*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	356.46	27.32
		For Anchoring Tabs, Add	*30.18*	
		For Rear Operated Opposed Blade Damper, Add	*111.10*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*75.46*	
		For Stainless Steel, Add	*377.29*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	401.44	29.31
		For Anchoring Tabs, Add	*34.28*	
		For Rear Operated Opposed Blade Damper, Add	*125.85*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*85.70*	
		For Stainless Steel, Add	*428.51*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	447.76	31.98
		For Anchoring Tabs, Add	*38.38*	
		For Rear Operated Opposed Blade Damper, Add	*140.73*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*95.95*	
		For Stainless Steel, Add	*479.75*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	505.26	34.65
		For Anchoring Tabs, Add	*43.60*	
		For Rear Operated Opposed Blade Damper, Add	*159.52*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*108.99*	
		For Stainless Steel, Add	*544.96*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	556.64	37.98
		For Anchoring Tabs, Add	*48.07*	
		For Rear Operated Opposed Blade Damper, Add	*175.84*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*120.17*	
		For Stainless Steel, Add	*600.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	599.23	40.64
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*189.41*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	429.13	31.98
		For Anchoring Tabs, Add	*36.52*	
		For Rear Operated Opposed Blade Damper, Add	*134.21*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*91.29*	
		For Stainless Steel, Add	*456.46*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	490.36	34.65
		For Anchoring Tabs, Add	*42.11*	
		For Rear Operated Opposed Blade Damper, Add	*154.30*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*105.27*	
		For Stainless Steel, Add	*526.34*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	529.22	37.31
		For Anchoring Tabs, Add	*45.46*	
		For Rear Operated Opposed Blade Damper, Add	*166.57*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*113.65*	
		For Stainless Steel, Add	*568.25*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	596.57	39.31
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*189.14*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	631.71	41.98
		For Anchoring Tabs, Add	*54.78*	
		For Rear Operated Opposed Blade Damper, Add	*200.11*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*136.94*	
		For Stainless Steel, Add	*684.70*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	685.48	44.65
		For Anchoring Tabs, Add	*59.62*	
		For Rear Operated Opposed Blade Damper, Add	*217.60*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*149.05*	
		For Stainless Steel, Add	*745.25*	
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	455.76	35.98
		For Anchoring Tabs, Add	*38.38*	
		For Rear Operated Opposed Blade Damper, Add	*141.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*95.95*	
		For Stainless Steel, Add	*479.75*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	520.71	38.65
		For Anchoring Tabs, Add	*44.34*	
		For Rear Operated Opposed Blade Damper, Add	*162.93*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*110.86*	
		For Stainless Steel, Add	*554.28*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	570.76	41.32
		For Anchoring Tabs, Add	*48.81*	
		For Rear Operated Opposed Blade Damper, Add	*179.11*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*122.04*	
		For Stainless Steel, Add	*610.18*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	628.26	43.97
		For Anchoring Tabs, Add	*54.03*	
		For Rear Operated Opposed Blade Damper, Add	*197.90*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*135.08*	
		For Stainless Steel, Add	*675.39*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	671.63	43.31
		For Anchoring Tabs, Add	*58.50*	
		For Rear Operated Opposed Blade Damper, Add	*213.42*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*146.26*	
		For Stainless Steel, Add	*731.28*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	735.26	45.31
		For Anchoring Tabs, Add	*64.46*	
		For Rear Operated Opposed Blade Damper, Add	*234.69*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*161.16*	
		For Stainless Steel, Add	*805.80*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	787.69	47.31
		For Anchoring Tabs, Add	*69.31*	
		For Rear Operated Opposed Blade Damper, Add	*252.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*173.27*	
		For Stainless Steel, Add	*866.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	488.51	39.31
		For Anchoring Tabs, Add	*40.99*	
		For Rear Operated Opposed Blade Damper, Add	*151.32*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*102.47*	
		For Stainless Steel, Add	*512.36*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	552.39	43.31
		For Anchoring Tabs, Add	*46.58*	
		For Rear Operated Opposed Blade Damper, Add	*171.68*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*116.45*	
		For Stainless Steel, Add	*582.23*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	608.57	45.31
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*190.34*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	669.78	47.98
		For Anchoring Tabs, Add	*57.38*	
		For Rear Operated Opposed Blade Damper, Add	*210.44*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*143.46*	
		For Stainless Steel, Add	*717.30*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	737.12	49.98
		For Anchoring Tabs, Add	*63.72*	
		For Rear Operated Opposed Blade Damper, Add	*233.01*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*159.30*	
		For Stainless Steel, Add	*796.49*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	797.02	51.97
		For Anchoring Tabs, Add	*69.31*	
		For Rear Operated Opposed Blade Damper, Add	*252.97*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*173.27*	
		For Stainless Steel, Add	*866.35*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	853.18	53.97
		For Anchoring Tabs, Add	*74.53*	
		For Rear Operated Opposed Blade Damper, Add	*271.63*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*186.31*	
		For Stainless Steel, Add	*931.56*	
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	920.53	55.97
		For Anchoring Tabs, Add	*80.86*	
		For Rear Operated Opposed Blade Damper, Add	*294.20*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*202.15*	
		For Stainless Steel, Add	*1,010.74*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	542.54	43.97
		For Anchoring Tabs, Add	*45.46*	
		For Rear Operated Opposed Blade Damper, Add	*167.90*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*113.65*	
		For Stainless Steel, Add	*568.25*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	613.89	47.98
		For Anchoring Tabs, Add	*51.80*	
		For Rear Operated Opposed Blade Damper, Add	*190.88*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*129.49*	
		For Stainless Steel, Add	*647.44*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	672.44	49.30
		For Anchoring Tabs, Add	*57.38*	
		For Rear Operated Opposed Blade Damper, Add	*210.70*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*143.46*	
		For Stainless Steel, Add	*717.30*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	753.90	54.63
		For Anchoring Tabs, Add	*64.46*	
		For Rear Operated Opposed Blade Damper, Add	*236.55*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*161.16*	
		For Stainless Steel, Add	*805.80*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	813.78	56.64
		For Anchoring Tabs, Add	*70.05*	
		For Rear Operated Opposed Blade Damper, Add	*256.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*175.13*	
		For Stainless Steel, Add	*875.66*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	888.58	58.64
		For Anchoring Tabs, Add	*77.13*	
		For Rear Operated Opposed Blade Damper, Add	*281.69*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*192.83*	
		For Stainless Steel, Add	*964.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	974.55	60.63
		For Anchoring Tabs, Add	*85.33*	
		For Rear Operated Opposed Blade Damper, Add	*310.78*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*213.33*	
		For Stainless Steel, Add	*1,066.64*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	1,034.43	62.63
		For Anchoring Tabs, Add	*90.92*	
		For Rear Operated Opposed Blade Damper, Add	*330.74*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*227.30*	
		For Stainless Steel, Add	*1,136.50*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,161.67	66.63
		For Anchoring Tabs, Add	*102.84*	
		For Rear Operated Opposed Blade Damper, Add	*373.28*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.45*	
		For 1" x 1" Square Holes On Face, Add	*257.11*	
		For Stainless Steel, Add	*1,285.55*	

23 37 13 43-0050 Security Registers And Grilles *(23 37 13 43)*

23 37 13 43-0051 Maximum Security Steel Supply / Return Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0052	EA	6" x 6" Maximum Security Supply/ Return Register	268.08	14.90
23 37 13 43-0053	EA	9" x 9" Maximum Security Supply/ Return Register	390.50	17.72
23 37 13 43-0054	EA	12" x 6" Maximum Security Supply/ Return Register	362.44	18.61
23 37 13 43-0055	EA	12" x 8" Maximum Security Supply/ Return Register	419.43	21.48
23 37 13 43-0056	EA	10" x 10" Maximum Security Supply/ Return Register	394.23	18.61
23 37 13 43-0057	EA	14" x 12" Maximum Security Supply/ Return Register	547.46	26.18
23 37 13 43-0058	EA	14" x 14" Maximum Security Supply/ Return Register	620.34	28.20
23 37 13 43-0059	EA	18" x 18" Maximum Security Supply/ Return Register	833.41	33.51
23 37 13 43-0060	EA	24" x 24" Maximum Security Supply/ Return Registers	1,200.69	42.83

23 37 13 43-0061 Staff Security Steel Supply Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0062	EA	6" x 6" Staff Security Supply Register	198.14	14.90
23 37 13 43-0063	EA	9" x 9" Staff Security Supply Register	256.99	17.72
23 37 13 43-0064	EA	12" x 12" Staff Security Supply Register	323.85	24.19
23 37 13 43-0065	EA	15" x 15" Staff Security Supply Register	465.13	27.92
23 37 13 43-0066	EA	21" x 21" Staff Security Supply Register	666.57	37.25
23 37 13 43-0067	EA	24" x 24" Staff Security Supply Register	803.35	42.83

23 37 13 43-0068 Staff Security Steel Return Registers *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0069	EA	10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	255.91	16.11
23 37 13 43-0070	EA	6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	229.93	14.90
23 37 13 43-0071	EA	10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	280.02	16.78
23 37 13 43-0072	EA	12" x 5" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	284.28	18.12
23 37 13 43-0073	EA	12" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	355.86	21.48
23 37 13 43-0074	EA	16" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	374.93	21.48
23 37 13 43-0075	EA	16" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	418.67	22.29
23 37 13 43-0076	EA	12" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	419.21	24.19
23 37 13 43-0077	EA	30" x 6" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	551.18	27.12
23 37 13 43-0078	EA	14" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	467.99	26.18
23 37 13 43-0079	EA	28" x 8" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	588.55	27.92
23 37 13 43-0080	EA	18" x 12" 12 Gage Flat Steel Plate Staff Security Return Register Note: Perforated with square holes.	540.87	27.65

23 37 13 43-0081 Maximum Security Steel Grills *(23 37 13 43-0050)*

Note: Includes damper as manufactured by Titus or equal.

23 37 13 43-0082	EA	10" x 4" Maximum Security Grill	217.77	16.11
23 37 13 43-0083	EA	6" x 6" Maximum Security Grill	198.14	14.90
23 37 13 43-0084	EA	10" x 6" Maximum Security Grill	235.52	16.78
23 37 13 43-0085	EA	12" x 5" Maximum Security Grill	242.96	18.12
23 37 13 43-0086	EA	12" x 8" Maximum Security Grill	289.11	21.48
23 37 13 43-0087	EA	16" x 8" Maximum Security Grill	336.02	22.29
23 37 13 43-0088	EA	12" x 12" Maximum Security Grill	336.56	24.19
23 37 13 43-0089	EA	14" x 12" Maximum Security Grill	366.27	26.18
23 37 13 43-0090	EA	30" x 6" Maximum Security Grill	455.82	27.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0091	EA	28" x 8" Maximum Security Grill	480.48	27.92
23 37 13 43-0092	EA	18" x 12" Maximum Security Grill	435.98	27.65

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,434.95	77.16
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,512.00	88.33
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,890.86	109.88
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,014.12	116.94
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,351.97	136.09
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,693.98	87.80
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,861.39	98.98
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,167.56	106.42
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,348.03	128.98
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,711.66	138.35
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,075.01	146.86
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,028.03	100.17
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,311.05	114.14
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,594.07	128.11
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,924.15	144.47
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,301.54	163.10
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,452.45	121.19
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,546.82	125.84
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,829.82	139.81
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,207.08	158.44
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,584.35	177.06
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,103.18	202.74
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,438.48	119.46
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,837.44	139.02
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,236.55	158.57
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,679.88	180.25
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,078.87	199.81
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,556.19	132.50
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,891.36	149.92
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,226.66	167.22
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,729.54	193.29
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,106.64	212.85
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,216.48	178.13
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,569.47	197.68
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,079.45	225.89
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,471.67	247.57
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,903.15	271.51
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,875.87	202.74
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,270.63	223.36
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,701.39	245.84
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,132.01	268.45
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,244.47	326.59
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,675.24	349.07
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,460.72	251.56
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,893.40	275.91
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,858.77	330.32
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,524.49	367.83
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,924.05	390.44
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,456.62	420.38
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,388.73	472.92
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,331.37	281.62
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,619.24	349.61
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,547.79	398.69
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,817.28	412.93
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,715.83	460.29
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,584.40	506.18
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,021.51	406.54
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,595.36	439.80
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,169.06	473.06
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,070.65	525.20
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,616.68	532.12
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,157.40	458.29
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,150.22	514.03
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,928.46	557.79
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,572.36	593.98
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,167.99	570.56
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,673.34	608.22
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,440.19	654.91
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,645.23	657.97
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	12,448.33	769.45
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	12,876.37	709.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 Ventilation Hoods *(23 30)*				
23 38 13 Commercial-Kitchen Hoods *(23 38)*				
23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*				
23 38 13 13-0001		Universal Ventless Hood *(23 38 13 13)*		
23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	55,806.37	551.44
23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*				
23 38 13 16-0001		Commercial Kitchen Hood Ventilation System *(23 38 13 16)* Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.		
23 38 13 16-0002		Dry Filter Exhaust Hoods *(23 38 13 16-0001)* Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.		
23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	13,254.17	1,034.59
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,806.38	1,099.26
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	15,401.63	1,163.93
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,867.25	1,228.59
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	16,434.81	1,293.25
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,034.87	1,357.91
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	17,603.22	1,422.57
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,189.04	1,487.23
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,841.25	1,551.90
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	19,406.35	1,616.56
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	19,873.22	1,681.22
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,662.47	1,745.88
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	23,128.73	1,810.54
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,751.01	1,875.21
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	24,598.17	1,939.87
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	25,234.61	2,004.54
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	26,188.25	2,069.20
23 38 13 16-0020		Dry Extractor Exhaust Hoods *(23 38 13 16-0001)* Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	18,577.86	1,034.59
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	19,163.76	1,099.26
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,860.09	1,163.93
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,460.49	1,228.59
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	22,061.75	1,293.25
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	22,628.11	1,357.91
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	23,230.15	1,422.57
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,799.13	1,487.23
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	24,333.41	1,551.90
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	25,100.67	1,616.56
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	25,988.72	1,681.22
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	26,929.59	1,745.88
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	28,907.29	1,810.54
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	29,866.51	1,875.21
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	31,741.34	1,939.87
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	33,641.32	2,004.54
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	35,521.55	2,069.20
23 38 13 16-0038		Single Manifold Water Wash Exhaust Hoods *(23 38 13 16-0001)* Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,925.63	1,034.59
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	20,545.22	1,099.26
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,275.25	1,163.93
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,892.49	1,228.59
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,544.29	1,293.25
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,144.35	1,357.91
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,763.24	1,422.57
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,382.76	1,487.23
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,933.88	1,551.90
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,768.53	1,616.56
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,723.97	1,681.22
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	28,732.23	1,745.88
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,777.32	1,810.54
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	31,803.93	1,875.21
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,864.08	1,939.87
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,888.00	2,004.54
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	35,909.03	2,069.20
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	14,305.66	517.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0057		Utility Distribution System (UDS) *(23 38 13 16-0001)*		
		Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	57,156.10	526.10
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	58,845.92	538.90
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	60,517.42	551.44
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	62,199.14	569.03
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	63,873.56	583.00
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	65,531.49	597.73
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	67,216.24	607.95
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	68,894.67	623.99
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	70,586.48	646.63
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	72,294.49	677.40
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	73,980.76	697.32
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	75,684.13	725.77
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	77,376.40	748.66
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	79,071.66	773.11
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	80,770.22	799.23
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	82,472.40	827.03
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	84,158.22	846.81
23 38 13 16-0075		Stainless Steel Exhaust Hood Material *(23 38 13 16)*		
		Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	52.78	17.28
		For Type 316 Stainless Steel, Add	*1.70*	
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	65.98	23.03
		For Type 316 Stainless Steel, Add	*2.12*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	91.65	31.09
		For Type 316 Stainless Steel, Add	*2.96*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	114.88	38.00
		For Type 316 Stainless Steel, Add	*3.81*	
23 38 13 16-0080		Kitchen Exhaust Hood *(23 38 13 16)*		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048)	11,532.13	2,454.46
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*662.32*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848)	10,550.35	1,963.57
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*662.32*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448)	5,737.52	981.78
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*377.40*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648)	7,366.07	1,472.68
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*442.07*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548)	6,647.94	1,227.23
		Note: Ductwork connections by others.		
		For Type 316 Stainless Steel, Add	*419.35*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001		Disposable Air Filters *(23 41 13)*		
23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	14.20	
23 41 13 00-0003		Disposable Fiberglass Air Filters *(23 41 13)*		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5	14.32	6.40
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	14.32	6.40
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	14.02	6.40
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5	13.94	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5	13.94	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5	13.94	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5	13.94	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5	14.18	6.70
		Note: One-piece kraft fiberboard frame with two metal grids.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.72	6.99
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.70	6.99
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.02	6.99
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.02	6.99
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.02	6.99
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.66	6.99
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.67	6.99
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.84	7.39
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.36	7.39
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.87	7.39
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.84	7.39
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.87	7.39
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.75	7.39
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.06	7.60
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.06	7.60
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.46	7.60
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.22	7.70
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.86	7.70
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.27	7.70
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.24	7.70
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.64	7.70
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.60	7.70
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.26	7.70
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.97	7.70
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.64	8.00
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.26	8.00
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.64	8.00
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.92	8.00
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.77	8.00
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.89	8.00
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.53	8.40
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.57	8.40
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.90	8.40
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.12	8.40
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.70	8.40
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	24.20	8.40
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.83	8.40
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.87	8.49
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.02	8.59
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.15	8.69
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.80	8.69
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	26.37	8.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.29	8.79
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	26.90	8.79
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.93	6.70
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.84	6.70
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.27	6.99
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.80	7.39
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.80	7.39
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.18	7.60
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.08	7.70
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.91	7.70
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.31	7.70
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.42	8.00
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.07	8.40
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.79	8.40
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.79	8.40
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.47	8.69
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	20.61	8.79
23 41 13 00-0071		**Disposable Pleated Air Filters** *(23 41 13)*		
23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	15.05	6.70
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.28	6.70
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.98	6.70
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	19.35	6.99
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.00	6.99
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.79	6.99
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.79	6.99
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	28.38	6.99
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	21.88	7.39
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.53	7.39
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.59	7.39
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.15	7.39
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.38	7.39
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.93	7.60
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	22.28	7.70
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.65	7.70
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.70	7.70
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	19.34	7.70
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.78	7.70
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	29.71	8.00
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	22.06	8.00
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.68	8.00
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.42	8.00
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.89	8.00
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	20.39	8.40
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.78	8.40
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	21.54	8.40
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	24.31	8.40
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	29.49	8.59
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.17	8.69
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	36.29	8.69
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	24.52	8.79
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.74	6.70
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	23.10	6.99
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.59	6.99
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	18.31	6.99
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.36	7.39
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.20	7.39
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.63	7.60
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	24.62	7.70
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.24	7.70
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.91	7.70
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	20.32	7.70
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	28.39	8.00
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	24.26	8.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.06	8.00
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.90	8.00
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	21.47	8.40
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.99	8.40
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.73	8.40
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	32.69	8.40
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	24.35	8.69
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	26.89	8.79
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	27.96	6.99
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	30.22	7.70
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	32.29	7.70
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.82	8.00
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	33.12	8.40
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	36.02	8.40
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	36.29	8.40
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	39.59	8.69
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.45	6.70
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.45	6.70
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.94	6.70
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	26.97	6.99
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.29	6.99
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	26.18	6.99
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.35	6.99
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	30.62	7.39
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.99	7.39
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	34.79	7.39
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	34.04	7.39
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.92	7.39
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.93	7.60
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	36.64	7.70
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.24	7.70
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	31.19	7.70
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	28.68	7.70
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.80	7.70
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	38.68	8.00
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	32.86	8.00
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.65	8.00
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	31.59	8.00
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	43.68	8.00
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	29.80	8.40
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.67	8.40
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.98	8.40
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	38.33	8.40
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	42.40	8.59
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.77	8.69
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	46.26	8.69
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	40.22	8.79
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.89	6.70
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	27.26	6.99
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.93	6.99
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	30.40	6.99
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.30	7.39
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.59	7.39
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	28.05	7.60
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	37.39	7.70
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	32.60	7.70
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.79	7.70
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.95	7.70
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	43.05	8.00
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	34.22	8.00
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.00	8.00
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	33.84	8.00
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	37.51	8.40
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.17	8.40
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	40.56	8.40
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	40.56	8.69
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	41.09	8.79
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	49.20	6.99
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	50.42	7.70
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	59.96	7.70
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	59.90	8.00
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	59.70	8.40
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	65.69	8.40
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	65.69	8.40
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	73.27	8.69
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.34	6.40
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.34	6.40
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.34	6.40
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.74	6.70
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.34	6.70
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.74	6.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.74	6.70
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.74	6.70
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.74	6.99
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.14	6.99
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.74	6.99
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.74	6.99
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.14	6.99
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.14	6.99
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.54	6.99
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.27	7.39
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.67	7.39
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.27	7.39
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.27	7.39
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.27	7.39
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.67	7.39
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.54	7.60
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.94	7.60
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.94	7.60
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.67	7.70
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.07	7.70
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.67	7.70
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.67	7.70
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.67	7.70
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.07	7.70
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.07	7.70
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.63	7.70
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.07	8.00
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.87	8.00
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.07	8.00
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.87	8.00
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.87	8.00
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.03	8.00
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.41	8.40
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.61	8.40
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.61	8.40
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.61	8.40
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.01	8.40
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.57	8.40
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	39.57	8.40
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	36.54	8.49
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.27	8.59
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.21	8.69
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.21	8.69
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.76	8.69
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.35	8.79
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.90	8.79
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	43.16	8.99
23 41 13 00-0245		Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*		
23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	996.22	19.99
23 41 13 00-0247		Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*		
23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04	
23 41 16		**Renewable-Media Air Filters** *(23 41)*		
23 41 16 00-0001		Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*		
23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46	
23 41 19		**Washable Air Filters** *(23 41)*		
23 41 19 00-0001		Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*		
23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.91	
23 41 33		**High-Efficiency Particulate Filtration** *(23 41)*		
23 41 33 00-0001		High Efficiency Particulate Air (HEPA) Filters *(23 41 33)* Note: Includes particleboard and kraft paper frame and separator material.		
23 41 33 00-0002		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	132.33	18.66
		For Removal And Replacement In Existing Equipment, Add	*3.73*	
		For >10 To 25, Deduct	*-3.31*	
		For >25 To 50, Deduct	*-6.62*	
		For >50 To 100, Deduct	*-9.92*	
		For >100, Deduct	*-13.23*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	175.27	21.33
		For Removal And Replacement In Existing Equipment, Add	*4.26*	
		For >10 To 25, Deduct	*-4.38*	
		For >25 To 50, Deduct	*-8.76*	
		For >50 To 100, Deduct	*-13.15*	
		For >100, Deduct	*-17.53*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	205.07	24.66
		For Removal And Replacement In Existing Equipment, Add	*4.93*	
		For >10 To 25, Deduct	*-5.13*	
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-15.38*	
		For >100, Deduct	*-20.51*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	234.91	27.99
		For Removal And Replacement In Existing Equipment, Add	*5.60*	
		For >10 To 25, Deduct	*-5.87*	
		For >25 To 50, Deduct	*-11.75*	
		For >50 To 100, Deduct	*-17.62*	
		For >100, Deduct	*-23.49*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	160.70	19.99
		For Removal And Replacement In Existing Equipment, Add	*4.00*	
		For >10 To 25, Deduct	*-4.02*	
		For >25 To 50, Deduct	*-8.04*	
		For >50 To 100, Deduct	*-12.05*	
		For >100, Deduct	*-16.07*	
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	215.13	23.32
		For Removal And Replacement In Existing Equipment, Add	*4.66*	
		For >10 To 25, Deduct	*-5.38*	
		For >25 To 50, Deduct	*-10.76*	
		For >50 To 100, Deduct	*-16.13*	
		For >100, Deduct	*-21.51*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	256.92	26.65
		For Removal And Replacement In Existing Equipment, Add	*5.33*	
		For >10 To 25, Deduct	*-6.42*	
		For >25 To 50, Deduct	*-12.85*	
		For >50 To 100, Deduct	*-19.27*	
		For >100, Deduct	*-25.69*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	305.35	33.32
		For Removal And Replacement In Existing Equipment, Add	*6.66*	
		For >10 To 25, Deduct	*-7.63*	
		For >25 To 50, Deduct	*-15.27*	
		For >50 To 100, Deduct	*-22.90*	
		For >100, Deduct	*-30.54*	
23 41 33 00-0011		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	113.50	16.66
		For Removal And Replacement In Existing Equipment, Add	*3.33*	
		For >10 To 25, Deduct	*-2.84*	
		For >25 To 50, Deduct	*-5.68*	
		For >50 To 100, Deduct	*-8.51*	
		For >100, Deduct	*-11.35*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	156.50	19.99
		For Removal And Replacement In Existing Equipment, Add	*4.00*	
		For >10 To 25, Deduct	*-3.91*	
		For >25 To 50, Deduct	*-7.83*	
		For >50 To 100, Deduct	*-11.74*	
		For >100, Deduct	*-15.65*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	238.09	23.32
		For Removal And Replacement In Existing Equipment, Add	*4.66*	
		For >10 To 25, Deduct	*-5.95*	
		For >25 To 50, Deduct	*-11.90*	
		For >50 To 100, Deduct	*-17.86*	
		For >100, Deduct	*-23.81*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	305.48	26.65
		For Removal And Replacement In Existing Equipment, Add	*5.33*	
		For >10 To 25, Deduct	*-7.64*	
		For >25 To 50, Deduct	*-15.27*	
		For >50 To 100, Deduct	*-22.91*	
		For >100, Deduct	*-30.55*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	106.76	13.33
		For Removal And Replacement In Existing Equipment, Add	*2.67*	
		For >10 To 25, Deduct	*-2.67*	
		For >25 To 50, Deduct	*-5.34*	
		For >50 To 100, Deduct	*-8.01*	
		For >100, Deduct	*-10.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	141.56	17.99
		For Removal And Replacement In Existing Equipment, Add	*3.60*	
		For >10 To 25, Deduct	*-3.54*	
		For >25 To 50, Deduct	*-7.08*	
		For >50 To 100, Deduct	*-10.62*	
		For >100, Deduct	*-14.16*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	190.00	21.33
		For Removal And Replacement In Existing Equipment, Add	*4.26*	
		For >10 To 25, Deduct	*-4.75*	
		For >25 To 50, Deduct	*-9.50*	
		For >50 To 100, Deduct	*-14.25*	
		For >100, Deduct	*-19.00*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	223.06	24.99
		For Removal And Replacement In Existing Equipment, Add	*5.00*	
		For >10 To 25, Deduct	*-5.58*	
		For >25 To 50, Deduct	*-11.15*	
		For >50 To 100, Deduct	*-16.73*	
		For >100, Deduct	*-22.31*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	254.79	27.99
		For Removal And Replacement In Existing Equipment, Add	*5.60*	
		For >10 To 25, Deduct	*-6.37*	
		For >25 To 50, Deduct	*-12.74*	
		For >50 To 100, Deduct	*-19.11*	
		For >100, Deduct	*-25.48*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	174.11	19.99
		For Removal And Replacement In Existing Equipment, Add	*4.00*	
		For >10 To 25, Deduct	*-4.35*	
		For >25 To 50, Deduct	*-8.71*	
		For >50 To 100, Deduct	*-13.06*	
		For >100, Deduct	*-17.41*	
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	233.86	23.32
		For Removal And Replacement In Existing Equipment, Add	*4.66*	
		For >10 To 25, Deduct	*-5.85*	
		For >25 To 50, Deduct	*-11.69*	
		For >50 To 100, Deduct	*-17.54*	
		For >100, Deduct	*-23.39*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	279.54	26.65
		For Removal And Replacement In Existing Equipment, Add	*5.33*	
		For >10 To 25, Deduct	*-6.99*	
		For >25 To 50, Deduct	*-13.98*	
		For >50 To 100, Deduct	*-20.97*	
		For >100, Deduct	*-27.95*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	344.49	33.32
		For Removal And Replacement In Existing Equipment, Add	*6.66*	
		For >10 To 25, Deduct	*-8.61*	
		For >25 To 50, Deduct	*-17.22*	
		For >50 To 100, Deduct	*-25.84*	
		For >100, Deduct	*-34.45*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	333.77	99.40
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	624.79	197.58
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	633.95	197.58
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	640.05	197.58
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	682.80	197.58
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	736.24	197.58
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,212.93	396.40
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,342.71	396.40
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,507.60	396.40
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	359.73	99.40
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	669.06	197.58
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	679.75	197.58
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	687.38	197.58
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	737.77	197.58
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	804.95	197.58
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,319.80	396.40
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,481.64	396.40
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,686.24	396.40

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	303.25	128.86
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	345.97	128.86

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	298.34	128.86
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	329.86	128.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 42 Gas-Phase Air Filtration *(23 40)*				
23 42 13 Activated-Carbon Air Filtration *(23 42)*				
23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.71	10.00
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.24	10.00
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.56	10.00
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	48.56	10.00
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	52.57	10.00
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	59.15	10.00
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.13	11.33
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.58	11.33
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.96	11.33
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.96	11.33
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	65.39	11.33
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	77.73	11.33
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	29.38	10.00
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	31.29	10.00
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	31.36	10.00
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	33.85	10.00
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	36.07	10.00
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	33.99	11.33
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	37.31	11.33
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	38.02	11.33
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	42.13	11.33
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	44.75	11.33
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	73.18	11.99
23 43 Electronic Air Cleaners *(23 40)*				
23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*				
23 43 23 00-0001		Stationary Floor, Room Air Purifier *(23 43 23)*		
23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,194.15	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,662.23	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,203.21	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	941.74	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,694.01	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,709.11	
23 43 23 00-0008		Surface Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,988.63	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,198.02	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,814.13	
23 43 23 00-0012		Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*		
23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,906.04	
23 43 23 00-0014		Duct Mounted, Ionization System *(23 43 23)*		
23 43 23 00-0015	EA	Up To 10,000 CFM, 120/240 VAC, 50 Watt, 8 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 500FC)	12,512.48	533.04
23 43 23 00-0016	EA	Up To 15,000 CFM, 120/240 VAC, 50 Watt, 5 Tubes, Single Phase, Series 500 Bipolar Ionization System (AtmosAir 508FC)	16,989.78	666.30
23 43 33 Self-Contained Electronic Ultraviolet Germicidal Cleaners *(23 43)*				
23 43 33 00-0001		Suspension Ceiling Troffer Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*		
23 43 33 00-0002	EA	2' x 2', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X2) Note: 6,300 cu ft/hour air cleaning	3,419.20	
23 43 33 00-0003	EA	2' x 2', Troffer Mount UVC Air Purifier With 1900 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X2) Note: 6,300 cu ft/hour air cleaning	7,483.82	
23 43 33 00-0004	EA	2' x 4', Troffer Mount UVC Air Purifier (ELEDLIGHTS UVADTM1202X4) Note: 12,600 cu ft/hour air cleaning	8,424.77	
23 43 33 00-0005	EA	2' x 4', Troffer Mount UVC Air Purifier With 3800 Lumens LED Panel Light (ELEDLIGHTS UVALTM1202X4) Note: 12,600 cu ft/hour air cleaning	9,427.03	
23 43 33 00-0006	EA	Replace 8"x8" MERV 16, HEPA Filter In Troffer Mount UVC Air Purifier(ELEDLIGHTS UVFILTERM8X8M16)	1,050.78	
23 43 33 00-0007		Surface Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*		
23 43 33 00-0008	EA	Surface (Wall Or Ceiling) Mounted, Germicidal UV Active Circulation Air Cleaner (ELEDLIGHTS GUV-AC) Note: 1060 cu ft/hour air cleaning	3,591.40	
23 43 33 00-0009		Wall Mounted, Ultraviolet Germicidal Air Purifier *(23 43 33)*		
23 43 33 00-0010	EA	Wall Mounted, Upper Room Germicidal UV Disinfection (ELEDLIGHTS URUVGI-NZ)	1,859.31	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 43 33 00-0011		Wall Mounted, Ultraviolet Germicidal Fixture (UV Resources) *(23 43 33)*		
23 43 33 00-0012	EA	14-1/4", 8 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 150 - 41824001)	852.24	68.80
23 43 33 00-0013	EA	23-1/4", 25 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 225 - 41824000)	897.83	78.96
23 43 33 00-0014	EA	35", 36 Watt, 120-277 Volts, UV-C Light Fixture (UV Resources GLO 310 - 41824002)	1,309.78	85.72
23 43 33 00-0015		Wall Mounted, Ultraviolet Germicidal Fixtures And Accessories (Fresh-Aire UV) *(23 43 33)*		
23 43 33 00-0016	EA	32" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-TFHO)	590.32	83.19
23 43 33 00-0017	EA	32" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-TFHO)	790.23	83.19
23 43 33 00-0018	EA	46" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-TFHO)	641.85	88.10
23 43 33 00-0019	EA	46" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-TFHO)	887.31	88.10
23 43 33 00-0020	EA	60" Single Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-TFHO)	699.40	93.06
23 43 33 00-0021	EA	60" Dual Lamp, Teflon Safety Coating, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-TFHO)	1,139.70	93.06
23 43 33 00-0022	EA	32" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232S-HO)	557.42	83.19
23 43 33 00-0023	EA	32" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-232D-HO)	726.12	83.19
23 43 33 00-0024	EA	46" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246S-HO)	596.30	88.10
23 43 33 00-0025	EA	46" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-246D-HO)	796.21	88.10
23 43 33 00-0026	EA	60" Single Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260S-HO)	608.30	93.06
23 43 33 00-0027	EA	60" Dual Lamp, High Output Commercial UV-C Core System (Fresh-Aire UV TUVC-260D-HO)	958.35	93.06
23 43 33 00-0028	EA	5' (1.5m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL5)	26.60	
23 43 33 00-0029	EA	10' (3m) Remote Mounting Cable (Fresh-Aire UV TUV-CBL10)	33.35	
23 43 33 00-0030	EA	5" Stainless Steel Coil Mount Bracket (Fresh-Aire UV TUVC-CMBRKT-SS5)	37.43	
23 43 33 00-0031	EA	18" (45cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-18)	49.29	
23 43 33 00-0032	EA	24" (60cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-24)	55.19	
23 43 33 00-0033	EA	32" (81cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-32)	61.94	
23 43 33 00-0034	EA	46" (117cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-46)	65.31	
23 43 33 00-0035	EA	60" (152cm) Commercial Lamp Shield (Fresh-Aire UV TUVC-SHIELD-60)	67.84	
23 43 33 00-0036	EA	110-277 VAC, Door Interlock Safety Switch Kit (Fresh-Aire UV TUVC-INTLCK-SP)	199.43	
23 43 33 00-0037	EA	15" (38cm) Odor Control, UVC/UVV Lamp (Fresh-Aire UV TUVL-115P-OS-50) Note: 1 Year Warranty	151.51	55.33
23 43 33 00-0038	EA	18" (45cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-218HO) Note: 2 Year Warranty	182.74	58.09
23 43 33 00-0039	EA	24" (60cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-224HO) Note: 2 Year Warranty	196.26	64.29
23 43 33 00-0040	EA	32" (81cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-132) Note: 1 Year Warranty	179.69	68.52
23 43 33 00-0041	EA	32" (81cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232TF) Note: 1 Year Warranty	217.65	68.52
23 43 33 00-0042	EA	32" (81cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO) Note: 1 Year Warranty	207.52	68.52
23 43 33 00-0043	EA	32" (81cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-232HO-TF) Note: 1 Year Warranty	238.73	68.52
23 43 33 00-0044	EA	46" (117cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-146) Note: 1 Year Warranty	209.54	73.03
23 43 33 00-0045	EA	46" (117cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246TF) Note: 2 Year Warranty	253.40	73.03
23 43 33 00-0046	EA	46" (117cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO) Note: 2 Year Warranty	231.47	73.03
23 43 33 00-0047	EA	46" (117cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-246HO-TF) Note: 2 Year Warranty	277.02	73.03
23 43 33 00-0048	EA	60" (152cm) Commercial Series Lamp (Fresh-Aire UV TUVCL-160) Note: 1 Year Warranty	270.73	73.60
23 43 33 00-0049	EA	60" (152cm) Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260TF) Note: 2 Year Warranty	332.30	73.60
23 43 33 00-0050	EA	60" (152cm) High Output, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO) Note: 2 Year Warranty	292.66	73.60
23 43 33 00-0051	EA	60" (152cm) High Output, Teflon Coated, Commercial Series Lamp (Fresh-Aire UV TUVCL-260HO-TF) Note: 1 Year Warranty	383.75	73.60

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*
Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	4,046.47	269.99
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,590.55	294.54
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,518.14	325.22
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	7,224.58	377.37
23 51 13 13-0007		**Centrifugal Impeller Vertical Discharge Fans** *(23 51 13 13-0001)*		
23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,872.53	294.54
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,951.41	325.22
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,739.54	380.44
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	9,172.28	426.46
23 51 13 13-0012		**Accessories For Vertical Discharge Fans** *(23 51 13 13-0001)*		
23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	555.36	92.04
23 51 13 16		**Vent Dampers** *(23 51 13)*		
23 51 13 16-0001		**Flue Shutter Draft Control Damper, Parallel Blade** *(23 51 13 16)*		
23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,144.12	54.49
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,255.91	57.80
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,388.34	61.36
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,483.38	65.44
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,620.52	70.10
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,720.77	75.47
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,903.67	81.84
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	2,090.82	89.24
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,345.12	93.57
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,521.01	98.18
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,757.38	103.09
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,234.15	163.22
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,550.61	173.35
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,850.05	184.09
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,913.59	190.22
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	4,036.74	196.36
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	4,145.01	208.63
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	4,327.49	214.63
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,513.97	226.90
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,725.81	245.45
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,967.54	253.87
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	5,192.98	257.72
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	5,448.30	269.99
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,705.13	282.26
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,962.69	294.54
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	6,219.14	306.81
23 51 13 19		**Barometric Dampers** *(23 51 13)*		
23 51 13 19-0001		**Barometric Dampers** *(23 51 13 19)*		
23 51 13 19-0002	EA	6" x 6" Barometric Damper	535.50	10.65
23 51 13 19-0003	EA	12" x 12" Barometric Damper	775.12	14.63
23 51 13 19-0004	EA	18" x 18" Barometric Damper	1,037.23	22.61
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,234.13	42.57
23 51 13 19-0006	EA	6" Diameter Barometric Damper	260.64	10.65
		For Stainless Steel, Add	*263.22*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	308.49	11.97
		For Stainless Steel, Add	*312.72*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	357.91	13.30
		For Stainless Steel, Add	*362.66*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	441.37	13.30
		For Stainless Steel, Add	*459.41*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	582.98	15.96
		For Stainless Steel, Add	*625.90*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	741.11	17.30
		For Stainless Steel, Add	*807.23*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	932.75	18.63
		For Stainless Steel, Add	*1,029.50*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,113.72	19.95
		For Stainless Steel, Add	*1,237.38*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,292.69	22.61
		For Stainless Steel, Add	*1,444.81*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,704.39	23.95
		For Stainless Steel, Add	*1,930.32*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	2,029.56	26.61
		For Stainless Steel, Add	*2,310.54*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,448.63	26.61
		For Stainless Steel, Add	*2,807.74*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	3,020.08	30.60
		For Stainless Steel, Add	*3,480.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,855.05	31.93
		For Stainless Steel, Add	*4,474.84*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	34.57	10.92
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*4.92*	
		For 3" To 4" Wall Instead Of 1", Add	*8.75*	
		For Type BW, Add	*0.44*	
		For Type L, Add	*0.92*	
		For Positive Pressure Joints, Add	*4.82*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	37.13	11.54
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.51*	
		For 3" To 4" Wall Instead Of 1", Add	*9.67*	
		For Type BW, Add	*0.54*	
		For Type L, Add	*1.12*	
		For Positive Pressure Joints, Add	*5.12*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	41.01	12.27
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.23*	
		For 3" To 4" Wall Instead Of 1", Add	*10.86*	
		For Type BW, Add	*0.64*	
		For Type L, Add	*1.33*	
		For Positive Pressure Joints, Add	*5.62*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	44.73	13.14
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*6.95*	
		For 3" To 4" Wall Instead Of 1", Add	*12.04*	
		For Type BW, Add	*0.74*	
		For Type L, Add	*1.55*	
		For Positive Pressure Joints, Add	*6.09*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	52.54	13.99
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*8.90*	
		For 3" To 4" Wall Instead Of 1", Add	*15.07*	
		For Type BW, Add	*1.09*	
		For Type L, Add	*2.28*	
		For Positive Pressure Joints, Add	*6.97*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	58.39	15.10
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*9.90*	
		For 3" To 4" Wall Instead Of 1", Add	*16.75*	
		For Type BW, Add	*1.22*	
		For Type L, Add	*2.54*	
		For Positive Pressure Joints, Add	*7.74*	
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	84.06	16.20
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*16.98*	
		For 3" To 4" Wall Instead Of 1", Add	*27.53*	
		For Type BW, Add	*2.57*	
		For Type L, Add	*5.36*	
		For Positive Pressure Joints, Add	*10.47*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	102.17	17.92
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*21.72*	
		For 3" To 4" Wall Instead Of 1", Add	*34.81*	
		For Type BW, Add	*3.45*	
		For Type L, Add	*7.19*	
		For Positive Pressure Joints, Add	*12.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	143.32	18.65
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*33.64*	
		For 3" To 4" Wall Instead Of 1", Add	*52.80*	
		For Type BW, Add	*5.79*	
		For Type L, Add	*12.07*	
		For Positive Pressure Joints, Add	*16.67*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	179.06	19.64
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*43.94*	
		For 3" To 4" Wall Instead Of 1", Add	*68.36*	
		For Type BW, Add	*7.81*	
		For Type L, Add	*16.27*	
		For Positive Pressure Joints, Add	*20.35*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	220.25	20.62
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*55.66*	
		For 3" To 4" Wall Instead Of 1", Add	*86.09*	
		For Type BW, Add	*10.09*	
		For Type L, Add	*21.02*	
		For Positive Pressure Joints, Add	*24.63*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	280.48	32.76
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*67.97*	
		For 3" To 4" Wall Instead Of 1", Add	*106.00*	
		For Type BW, Add	*11.98*	
		For Type L, Add	*24.95*	
		For Positive Pressure Joints, Add	*32.09*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	339.04	34.61
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*84.25*	
		For 3" To 4" Wall Instead Of 1", Add	*130.74*	
		For Type BW, Add	*15.10*	
		For Type L, Add	*31.46*	
		For Positive Pressure Joints, Add	*38.27*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	403.08	36.82
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*102.37*	
		For 3" To 4" Wall Instead Of 1", Add	*158.19*	
		For Type BW, Add	*18.62*	
		For Type L, Add	*38.79*	
		For Positive Pressure Joints, Add	*44.95*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	468.20	38.05
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*121.46*	
		For 3" To 4" Wall Instead Of 1", Add	*186.95*	
		For Type BW, Add	*22.39*	
		For Type L, Add	*46.65*	
		For Positive Pressure Joints, Add	*51.57*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	490.89	39.27
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*127.64*	
		For 3" To 4" Wall Instead Of 1", Add	*196.37*	
		For Type BW, Add	*23.57*	
		For Type L, Add	*49.09*	
		For Positive Pressure Joints, Add	*54.00*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	521.69	42.10
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*135.49*	
		For 3" To 4" Wall Instead Of 1", Add	*208.49*	
		For Type BW, Add	*25.00*	
		For Type L, Add	*52.08*	
		For Positive Pressure Joints, Add	*57.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	590.70	43.69
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*155.41*	
		For 3" To 4" Wall Instead Of 1", Add	*238.57*	
		For Type BW, Add	*28.90*	
		For Type L, Add	*60.21*	
		For Positive Pressure Joints, Add	*64.52*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	662.15	45.29
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*176.01*	
		For 3" To 4" Wall Instead Of 1", Add	*269.68*	
		For Type BW, Add	*32.94*	
		For Type L, Add	*68.62*	
		For Positive Pressure Joints, Add	*71.87*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	697.05	47.13
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*185.58*	
		For 3" To 4" Wall Instead Of 1", Add	*284.25*	
		For Type BW, Add	*34.76*	
		For Type L, Add	*72.42*	
		For Positive Pressure Joints, Add	*75.59*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	756.17	49.09
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*202.34*	
		For 3" To 4" Wall Instead Of 1", Add	*309.63*	
		For Type BW, Add	*38.02*	
		For Type L, Add	*79.20*	
		For Positive Pressure Joints, Add	*81.75*	
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	833.21	51.18
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*224.36*	
		For 3" To 4" Wall Instead Of 1", Add	*342.94*	
		For Type BW, Add	*42.31*	
		For Type L, Add	*88.15*	
		For Positive Pressure Joints, Add	*89.72*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	871.68	53.51
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*234.72*	
		For 3" To 4" Wall Instead Of 1", Add	*358.78*	
		For Type BW, Add	*44.27*	
		For Type L, Add	*92.22*	
		For Positive Pressure Joints, Add	*93.86*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	964.84	56.09
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*261.39*	
		For 3" To 4" Wall Instead Of 1", Add	*399.11*	
		For Type BW, Add	*49.47*	
		For Type L, Add	*103.07*	
		For Positive Pressure Joints, Add	*103.50*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,047.79	58.91
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*284.88*	
		For 3" To 4" Wall Instead Of 1", Add	*434.68*	
		For Type BW, Add	*54.03*	
		For Type L, Add	*112.56*	
		For Positive Pressure Joints, Add	*112.14*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,152.86	61.98
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*314.91*	
		For 3" To 4" Wall Instead Of 1", Add	*480.11*	
		For Type BW, Add	*59.89*	
		For Type L, Add	*124.77*	
		For Positive Pressure Joints, Add	*123.02*	

23 51 16 00-0029 90 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	87.72	21.84
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*15.49*	
		For 3" To 4" Wall Instead Of 1", Add	*25.95*	
		For Type BW, Add	*2.02*	
		For Type L, Add	*4.20*	
		For Positive Pressure Joints, Add	*11.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	97.22	23.07
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*17.66*	
		For 3" To 4" Wall Instead Of 1", Add	*29.36*	
		For Type BW, Add	*2.38*	
		For Type L, Add	*4.96*	
		For Positive Pressure Joints, Add	*12.60*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	108.46	24.54
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*20.32*	
		For 3" To 4" Wall Instead Of 1", Add	*33.54*	
		For Type BW, Add	*2.84*	
		For Type L, Add	*5.92*	
		For Positive Pressure Joints, Add	*13.90*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	119.98	26.14
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*23.01*	
		For 3" To 4" Wall Instead Of 1", Add	*37.76*	
		For Type BW, Add	*3.30*	
		For Type L, Add	*6.88*	
		For Positive Pressure Joints, Add	*15.24*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	143.20	27.98
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*29.05*	
		For 3" To 4" Wall Instead Of 1", Add	*47.05*	
		For Type BW, Add	*4.42*	
		For Type L, Add	*9.21*	
		For Positive Pressure Joints, Add	*17.80*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	167.69	30.19
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*35.21*	
		For 3" To 4" Wall Instead Of 1", Add	*56.59*	
		For Type BW, Add	*5.53*	
		For Type L, Add	*11.53*	
		For Positive Pressure Joints, Add	*20.54*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	294.17	32.76
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*71.84*	
		For 3" To 4" Wall Instead Of 1", Add	*111.86*	
		For Type BW, Add	*12.73*	
		For Type L, Add	*26.51*	
		For Positive Pressure Joints, Add	*33.52*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	356.65	35.71
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*89.15*	
		For 3" To 4" Wall Instead Of 1", Add	*138.19*	
		For Type BW, Add	*16.05*	
		For Type L, Add	*33.43*	
		For Positive Pressure Joints, Add	*40.13*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	463.31	37.44
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*120.29*	
		For 3" To 4" Wall Instead Of 1", Add	*185.11*	
		For Type BW, Add	*22.19*	
		For Type L, Add	*46.23*	
		For Positive Pressure Joints, Add	*51.01*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	570.16	39.27
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*151.45*	
		For 3" To 4" Wall Instead Of 1", Add	*232.07*	
		For Type BW, Add	*28.33*	
		For Type L, Add	*59.02*	
		For Positive Pressure Joints, Add	*61.92*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	737.91	41.36
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*200.69*	
		For 3" To 4" Wall Instead Of 1", Add	*306.20*	
		For Type BW, Add	*38.07*	
		For Type L, Add	*79.31*	
		For Positive Pressure Joints, Add	*78.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,039.81	65.41
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*279.20*	
		For 3" To 4" Wall Instead Of 1", Add	*426.98*	
		For Type BW, Add	*52.57*	
		For Type L, Add	*109.51*	
		For Positive Pressure Joints, Add	*112.17*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,372.20	69.33
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*376.99*	
		For 3" To 4" Wall Instead Of 1", Add	*574.16*	
		For Type BW, Add	*71.93*	
		For Type L, Add	*149.86*	
		For Positive Pressure Joints, Add	*145.89*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,549.12	73.63
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*427.88*	
		For 3" To 4" Wall Instead Of 1", Add	*651.04*	
		For Type BW, Add	*81.89*	
		For Type L, Add	*170.61*	
		For Positive Pressure Joints, Add	*164.13*	

23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	73.86	21.84
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*11.26*	
		For 3" To 4" Wall Instead Of 1", Add	*19.61*	
		For Type BW, Add	*1.16*	
		For Type L, Add	*2.42*	
		For Positive Pressure Joints, Add	*10.11*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	80.62	23.07
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*12.63*	
		For 3" To 4" Wall Instead Of 1", Add	*21.83*	
		For Type BW, Add	*1.37*	
		For Type L, Add	*2.85*	
		For Positive Pressure Joints, Add	*10.95*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	88.23	24.54
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*14.20*	
		For 3" To 4" Wall Instead Of 1", Add	*24.36*	
		For Type BW, Add	*1.61*	
		For Type L, Add	*3.36*	
		For Positive Pressure Joints, Add	*11.89*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	97.59	26.14
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*16.19*	
		For 3" To 4" Wall Instead Of 1", Add	*27.56*	
		For Type BW, Add	*1.93*	
		For Type L, Add	*4.02*	
		For Positive Pressure Joints, Add	*13.03*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	116.21	27.98
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*20.84*	
		For 3" To 4" Wall Instead Of 1", Add	*34.77*	
		For Type BW, Add	*2.77*	
		For Type L, Add	*5.76*	
		For Positive Pressure Joints, Add	*15.13*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	128.50	30.19
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*23.46*	
		For 3" To 4" Wall Instead Of 1", Add	*38.96*	
		For Type BW, Add	*3.18*	
		For Type L, Add	*6.63*	
		For Positive Pressure Joints, Add	*16.62*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	214.41	32.76
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*47.96*	
		For 3" To 4" Wall Instead Of 1", Add	*76.02*	
		For Type BW, Add	*7.95*	
		For Type L, Add	*16.57*	
		For Positive Pressure Joints, Add	*25.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	256.39	35.71
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.07*	
		For 3" To 4" Wall Instead Of 1", Add	*93.07*	
		For Type BW, Add	*10.03*	
		For Type L, Add	*20.89*	
		For Positive Pressure Joints, Add	*30.10*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	328.70	37.44
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*79.90*	
		For 3" To 4" Wall Instead Of 1", Add	*124.53*	
		For Type BW, Add	*14.11*	
		For Type L, Add	*29.40*	
		For Positive Pressure Joints, Add	*37.55*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	393.24	39.27
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*98.34*	
		For 3" To 4" Wall Instead Of 1", Add	*152.42*	
		For Type BW, Add	*17.71*	
		For Type L, Add	*36.89*	
		For Positive Pressure Joints, Add	*44.23*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	499.89	41.36
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*129.30*	
		For 3" To 4" Wall Instead Of 1", Add	*199.12*	
		For Type BW, Add	*23.79*	
		For Type L, Add	*49.57*	
		For Positive Pressure Joints, Add	*55.16*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	610.47	65.29
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*150.50*	
		For 3" To 4" Wall Instead Of 1", Add	*233.91*	
		For Type BW, Add	*26.84*	
		For Type L, Add	*55.91*	
		For Positive Pressure Joints, Add	*69.21*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	846.54	69.33
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*219.29*	
		For 3" To 4" Wall Instead Of 1", Add	*337.61*	
		For Type BW, Add	*40.39*	
		For Type L, Add	*84.15*	
		For Positive Pressure Joints, Add	*93.32*	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,037.00	73.63
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*274.31*	
		For 3" To 4" Wall Instead Of 1", Add	*420.66*	
		For Type BW, Add	*51.18*	
		For Type L, Add	*106.63*	
		For Positive Pressure Joints, Add	*112.90*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,873.12	76.09
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*523.91*	
		For 3" To 4" Wall Instead Of 1", Add	*795.38*	
		For Type BW, Add	*100.98*	
		For Type L, Add	*210.38*	
		For Positive Pressure Joints, Add	*196.82*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,925.36	78.54
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*538.36*	
		For 3" To 4" Wall Instead Of 1", Add	*817.35*	
		For Type BW, Add	*103.75*	
		For Type L, Add	*216.14*	
		For Positive Pressure Joints, Add	*202.35*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,029.84	83.46
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*567.25*	
		For 3" To 4" Wall Instead Of 1", Add	*861.30*	
		For Type BW, Add	*109.28*	
		For Type L, Add	*227.67*	
		For Positive Pressure Joints, Add	*213.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,266.52	85.90
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*637.03*	
		For 3" To 4" Wall Instead Of 1", Add	*966.28*	
		For Type BW, Add	*123.11*	
		For Type L, Add	*256.49*	
		For Positive Pressure Joints, Add	*237.38*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,474.76	90.81
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*697.05*	
		For 3" To 4" Wall Instead Of 1", Add	*1,056.92*	
		For Type BW, Add	*134.87*	
		For Type L, Add	*280.98*	
		For Positive Pressure Joints, Add	*258.82*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,550.79	98.18
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*716.18*	
		For 3" To 4" Wall Instead Of 1", Add	*1,086.53*	
		For Type BW, Add	*138.33*	
		For Type L, Add	*288.19*	
		For Positive Pressure Joints, Add	*267.34*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,732.28	101.62
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*768.91*	
		For 3" To 4" Wall Instead Of 1", Add	*1,166.06*	
		For Type BW, Add	*148.70*	
		For Type L, Add	*309.80*	
		For Positive Pressure Joints, Add	*285.92*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,908.88	103.09
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*821.15*	
		For 3" To 4" Wall Instead Of 1", Add	*1,244.61*	
		For Type BW, Add	*159.08*	
		For Type L, Add	*331.42*	
		For Positive Pressure Joints, Add	*303.77*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,036.42	108.00
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*856.96*	
		For 3" To 4" Wall Instead Of 1", Add	*1,298.93*	
		For Type BW, Add	*166.00*	
		For Type L, Add	*345.83*	
		For Positive Pressure Joints, Add	*317.13*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,221.58	112.91
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*910.06*	
		For 3" To 4" Wall Instead Of 1", Add	*1,379.19*	
		For Type BW, Add	*176.37*	
		For Type L, Add	*367.44*	
		For Positive Pressure Joints, Add	*336.26*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,464.39	117.81
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*980.45*	
		For 3" To 4" Wall Instead Of 1", Add	*1,485.39*	
		For Type BW, Add	*190.20*	
		For Type L, Add	*396.26*	
		For Positive Pressure Joints, Add	*361.16*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,591.92	122.72
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,016.26*	
		For 3" To 4" Wall Instead Of 1", Add	*1,539.72*	
		For Type BW, Add	*197.12*	
		For Type L, Add	*410.67*	
		For Positive Pressure Joints, Add	*374.52*	
23 51 16 00-0071		Tees *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	120.09	29.08
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*21.46*	
		For 3" To 4" Wall Instead Of 1", Add	*35.83*	
		For Type BW, Add	*2.84*	
		For Type L, Add	*5.91*	
		For Positive Pressure Joints, Add	*15.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	125.04	30.19
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*22.42*	
		For 3" To 4" Wall Instead Of 1", Add	*37.40*	
		For Type BW, Add	*2.97*	
		For Type L, Add	*6.20*	
		For Positive Pressure Joints, Add	*16.28*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	130.41	31.42
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*23.42*	
		For 3" To 4" Wall Instead Of 1", Add	*39.05*	
		For Type BW, Add	*3.11*	
		For Type L, Add	*6.48*	
		For Positive Pressure Joints, Add	*16.97*	
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	139.50	32.76
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*25.48*	
		For 3" To 4" Wall Instead Of 1", Add	*42.31*	
		For Type BW, Add	*3.46*	
		For Type L, Add	*7.21*	
		For Positive Pressure Joints, Add	*18.04*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	164.95	34.11
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*32.40*	
		For 3" To 4" Wall Instead Of 1", Add	*52.88*	
		For Type BW, Add	*4.77*	
		For Type L, Add	*9.94*	
		For Positive Pressure Joints, Add	*20.77*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	176.82	35.71
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*35.20*	
		For 3" To 4" Wall Instead Of 1", Add	*57.27*	
		For Type BW, Add	*5.26*	
		For Type L, Add	*10.95*	
		For Positive Pressure Joints, Add	*22.14*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	330.98	37.44
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*80.59*	
		For 3" To 4" Wall Instead Of 1", Add	*125.56*	
		For Type BW, Add	*14.25*	
		For Type L, Add	*29.68*	
		For Positive Pressure Joints, Add	*37.77*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	384.02	39.27
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*95.58*	
		For 3" To 4" Wall Instead Of 1", Add	*148.27*	
		For Type BW, Add	*17.15*	
		For Type L, Add	*35.74*	
		For Positive Pressure Joints, Add	*43.31*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	574.77	43.69
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*150.62*	
		For 3" To 4" Wall Instead Of 1", Add	*231.38*	
		For Type BW, Add	*27.94*	
		For Type L, Add	*58.21*	
		For Positive Pressure Joints, Add	*62.93*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	782.04	49.09
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*210.08*	
		For 3" To 4" Wall Instead Of 1", Add	*321.25*	
		For Type BW, Add	*39.56*	
		For Type L, Add	*82.42*	
		For Positive Pressure Joints, Add	*84.34*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	970.20	56.09
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*263.02*	
		For 3" To 4" Wall Instead Of 1", Add	*401.54*	
		For Type BW, Add	*49.80*	
		For Type L, Add	*103.75*	
		For Positive Pressure Joints, Add	*104.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,291.31	69.33
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*352.77*	
		For 3" To 4" Wall Instead Of 1", Add	*537.80*	
		For Type BW, Add	*67.09*	
		For Type L, Add	*139.77*	
		For Positive Pressure Joints, Add	*137.79*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,621.25	90.57
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*441.09*	
		For 3" To 4" Wall Instead Of 1", Add	*672.96*	
		For Type BW, Add	*83.69*	
		For Type L, Add	*174.35*	
		For Positive Pressure Joints, Add	*173.45*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,864.69	95.73
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*511.54*	
		For 3" To 4" Wall Instead Of 1", Add	*779.28*	
		For Type BW, Add	*97.52*	
		For Type L, Add	*203.17*	
		For Positive Pressure Joints, Add	*198.44*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,563.32	103.09
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*717.43*	
		For 3" To 4" Wall Instead Of 1", Add	*1,089.04*	
		For Type BW, Add	*138.33*	
		For Type L, Add	*288.19*	
		For Positive Pressure Joints, Add	*269.22*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,861.40	107.14
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*804.88*	
		For 3" To 4" Wall Instead Of 1", Add	*1,220.70*	
		For Type BW, Add	*155.62*	
		For Type L, Add	*324.21*	
		For Positive Pressure Joints, Add	*299.53*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,106.48	112.91
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*875.49*	
		For 3" To 4" Wall Instead Of 1", Add	*1,327.35*	
		For Type BW, Add	*169.45*	
		For Type L, Add	*353.03*	
		For Positive Pressure Joints, Add	*324.76*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,579.77	117.81
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,015.04*	
		For 3" To 4" Wall Instead Of 1", Add	*1,537.29*	
		For Type BW, Add	*197.12*	
		For Type L, Add	*410.67*	
		For Positive Pressure Joints, Add	*372.70*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,649.78	122.72
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,033.57*	
		For 3" To 4" Wall Instead Of 1", Add	*1,565.70*	
		For Type BW, Add	*200.58*	
		For Type L, Add	*417.87*	
		For Positive Pressure Joints, Add	*380.32*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,246.77	130.95
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,208.55*	
		For 3" To 4" Wall Instead Of 1", Add	*1,829.19*	
		For Type BW, Add	*235.16*	
		For Type L, Add	*489.92*	
		For Positive Pressure Joints, Add	*441.05*	
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,345.29	147.26
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,229.93*	
		For 3" To 4" Wall Instead Of 1", Add	*1,863.30*	
		For Type BW, Add	*238.62*	
		For Type L, Add	*497.12*	
		For Positive Pressure Joints, Add	*452.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,743.66	168.37
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,338.93*	
		For 3" To 4" Wall Instead Of 1", Add	*2,029.43*	
		For Type BW, Add	*259.37*	
		For Type L, Add	*540.35*	
		For Positive Pressure Joints, Add	*495.41*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,217.17	196.36
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,466.97*	
		For 3" To 4" Wall Instead Of 1", Add	*2,225.00*	
		For Type BW, Add	*283.58*	
		For Type L, Add	*590.78*	
		For Positive Pressure Joints, Add	*546.26*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,681.54	220.90
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,594.10*	
		For 3" To 4" Wall Instead Of 1", Add	*2,418.74*	
		For Type BW, Add	*307.78*	
		For Type L, Add	*641.22*	
		For Positive Pressure Joints, Add	*595.74*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,218.74	228.27
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,751.57*	
		For 3" To 4" Wall Instead Of 1", Add	*2,655.86*	
		For Type BW, Add	*338.91*	
		For Type L, Add	*706.06*	
		For Positive Pressure Joints, Add	*650.39*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,583.18	235.62
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,857.18*	
		For 3" To 4" Wall Instead Of 1", Add	*2,815.21*	
		For Type BW, Add	*359.66*	
		For Type L, Add	*749.29*	
		For Positive Pressure Joints, Add	*687.76*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	60.56	17.06
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*9.63*	
		For 3" To 4" Wall Instead Of 1", Add	*16.58*	
		For Type BW, Add	*1.07*	
		For Type L, Add	*2.23*	
		For Positive Pressure Joints, Add	*8.19*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	63.45	17.92
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*10.10*	
		For 3" To 4" Wall Instead Of 1", Add	*17.39*	
		For Type BW, Add	*1.13*	
		For Type L, Add	*2.35*	
		For Positive Pressure Joints, Add	*8.58*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	81.71	19.64
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*14.70*	
		For 3" To 4" Wall Instead Of 1", Add	*24.50*	
		For Type BW, Add	*1.96*	
		For Type L, Add	*4.08*	
		For Positive Pressure Joints, Add	*10.63*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	87.11	21.84
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*15.24*	
		For 3" To 4" Wall Instead Of 1", Add	*25.58*	
		For Type BW, Add	*1.96*	
		For Type L, Add	*4.08*	
		For Positive Pressure Joints, Add	*11.44*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	105.75	23.07
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*20.19*	
		For 3" To 4" Wall Instead Of 1", Add	*33.17*	
		For Type BW, Add	*2.88*	
		For Type L, Add	*6.01*	
		For Positive Pressure Joints, Add	*13.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	124.76	24.54
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*25.16*	
		For 3" To 4" Wall Instead Of 1", Add	*40.80*	
		For Type BW, Add	*3.80*	
		For Type L, Add	*7.93*	
		For Positive Pressure Joints, Add	*15.54*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	292.56	27.98
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*73.75*	
		For 3" To 4" Wall Instead Of 1", Add	*114.13*	
		For Type BW, Add	*13.35*	
		For Type L, Add	*27.81*	
		For Positive Pressure Joints, Add	*32.76*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	544.12	35.10
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*145.71*	
		For 3" To 4" Wall Instead Of 1", Add	*222.95*	
		For Type BW, Add	*27.39*	
		For Type L, Add	*57.06*	
		For Positive Pressure Joints, Add	*58.79*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,004.32	42.10
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*280.26*	
		For 3" To 4" Wall Instead Of 1", Add	*425.65*	
		For Type BW, Add	*53.95*	
		For Type L, Add	*112.39*	
		For Positive Pressure Joints, Add	*105.69*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,668.92	58.91
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*471.22*	
		For 3" To 4" Wall Instead Of 1", Add	*714.19*	
		For Type BW, Add	*91.30*	
		For Type L, Add	*190.20*	
		For Positive Pressure Joints, Add	*174.26*	
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,460.45	61.98
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*707.15*	
		For 3" To 4" Wall Instead Of 1", Add	*1,068.47*	
		For Type BW, Add	*138.33*	
		For Type L, Add	*288.19*	
		For Positive Pressure Joints, Add	*253.79*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,757.31	65.41
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*794.47*	
		For 3" To 4" Wall Instead Of 1", Add	*1,199.88*	
		For Type BW, Add	*155.62*	
		For Type L, Add	*324.21*	
		For Positive Pressure Joints, Add	*283.91*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,112.85	69.33
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*899.19*	
		For 3" To 4" Wall Instead Of 1", Add	*1,357.45*	
		For Type BW, Add	*176.37*	
		For Type L, Add	*367.44*	
		For Positive Pressure Joints, Add	*319.95*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,296.58	73.63
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*952.14*	
		For 3" To 4" Wall Instead Of 1", Add	*1,437.42*	
		For Type BW, Add	*186.75*	
		For Type L, Add	*389.05*	
		For Positive Pressure Joints, Add	*338.87*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,481.75	78.54
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,005.24*	
		For 3" To 4" Wall Instead Of 1", Add	*1,517.68*	
		For Type BW, Add	*197.12*	
		For Type L, Add	*410.67*	
		For Positive Pressure Joints, Add	*358.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,726.17	84.19
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,075.79*	
		For 3" To 4" Wall Instead Of 1", Add	*1,624.20*	
		For Type BW, Add	*210.95*	
		For Type L, Add	*439.49*	
		For Positive Pressure Joints, Add	*383.13*	
23 51 16 00-0115		Wall Thimbles *(23 51 16 00-0001)*		
23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	24.99	9.20
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*2.91*	
		For 3" To 4" Wall Instead Of 1", Add	*5.51*	
		For Type BW, Add	*0.12*	
		For Type L, Add	*0.26*	
		For Positive Pressure Joints, Add	*3.65*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	31.68	11.78
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.59*	
		For 3" To 4" Wall Instead Of 1", Add	*6.86*	
		For Type BW, Add	*0.13*	
		For Type L, Add	*0.26*	
		For Positive Pressure Joints, Add	*4.65*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	42.17	15.83
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*4.73*	
		For 3" To 4" Wall Instead Of 1", Add	*9.08*	
		For Type BW, Add	*0.15*	
		For Type L, Add	*0.32*	
		For Positive Pressure Joints, Add	*6.20*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	52.76	19.64
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*6.01*	
		For 3" To 4" Wall Instead Of 1", Add	*11.47*	
		For Type BW, Add	*0.22*	
		For Type L, Add	*0.46*	
		For Positive Pressure Joints, Add	*7.73*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	75.71	26.50
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*9.46*	
		For 3" To 4" Wall Instead Of 1", Add	*17.50*	
		For Type BW, Add	*0.57*	
		For Type L, Add	*1.18*	
		For Positive Pressure Joints, Add	*10.88*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	95.60	32.89
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*12.23*	
		For 3" To 4" Wall Instead Of 1", Add	*22.46*	
		For Type BW, Add	*0.80*	
		For Type L, Add	*1.67*	
		For Positive Pressure Joints, Add	*13.67*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	120.85	39.27
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*16.62*	
		For 3" To 4" Wall Instead Of 1", Add	*29.84*	
		For Type BW, Add	*1.36*	
		For Type L, Add	*2.83*	
		For Positive Pressure Joints, Add	*16.99*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	157.15	46.64
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*23.83*	
		For 3" To 4" Wall Instead Of 1", Add	*41.57*	
		For Type BW, Add	*2.43*	
		For Type L, Add	*5.07*	
		For Positive Pressure Joints, Add	*21.54*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	210.41	51.55
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*37.35*	
		For 3" To 4" Wall Instead Of 1", Add	*62.47*	
		For Type BW, Add	*4.89*	
		For Type L, Add	*10.20*	
		For Positive Pressure Joints, Add	*27.48*	
23 51 16 00-0125		Adjustable Roof Flashing *(23 51 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	67.76	21.84
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*9.43*	
		For 3" To 4" Wall Instead Of 1", Add	*16.87*	
		For Type BW, Add	*0.80*	
		For Type L, Add	*1.66*	
		For Positive Pressure Joints, Add	*9.50*	
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	74.85	23.07
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*10.90*	
		For 3" To 4" Wall Instead Of 1", Add	*19.24*	
		For Type BW, Add	*1.02*	
		For Type L, Add	*2.13*	
		For Positive Pressure Joints, Add	*10.37*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	94.00	26.14
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*15.12*	
		For 3" To 4" Wall Instead Of 1", Add	*25.95*	
		For Type BW, Add	*1.72*	
		For Type L, Add	*3.57*	
		For Positive Pressure Joints, Add	*12.67*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	114.55	30.19
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*19.27*	
		For 3" To 4" Wall Instead Of 1", Add	*32.68*	
		For Type BW, Add	*2.34*	
		For Type L, Add	*4.89*	
		For Positive Pressure Joints, Add	*15.23*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	189.07	32.76
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*40.35*	
		For 3" To 4" Wall Instead Of 1", Add	*64.62*	
		For Type BW, Add	*6.43*	
		For Type L, Add	*13.40*	
		For Positive Pressure Joints, Add	*23.00*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	225.23	35.71
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*49.73*	
		For 3" To 4" Wall Instead Of 1", Add	*79.05*	
		For Type BW, Add	*8.16*	
		For Type L, Add	*17.00*	
		For Positive Pressure Joints, Add	*26.98*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	265.33	39.27
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.96*	
		For 3" To 4" Wall Instead Of 1", Add	*94.85*	
		For Type BW, Add	*10.03*	
		For Type L, Add	*20.89*	
		For Positive Pressure Joints, Add	*31.44*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	316.72	43.69
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*73.17*	
		For 3" To 4" Wall Instead Of 1", Add	*115.22*	
		For Type BW, Add	*12.45*	
		For Type L, Add	*25.94*	
		For Positive Pressure Joints, Add	*37.13*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	480.12	49.09
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*119.48*	
		For 3" To 4" Wall Instead Of 1", Add	*185.36*	
		For Type BW, Add	*21.44*	
		For Type L, Add	*44.67*	
		For Positive Pressure Joints, Add	*54.15*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	527.90	65.41
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*125.64*	
		For 3" To 4" Wall Instead Of 1", Add	*196.65*	
		For Type BW, Add	*21.86*	
		For Type L, Add	*45.53*	
		For Positive Pressure Joints, Add	*60.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	671.53	84.19
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*159.37*	
		For 3" To 4" Wall Instead Of 1", Add	*249.58*	
		For Type BW, Add	*27.67*	
		For Type L, Add	*57.64*	
		For Positive Pressure Joints, Add	*77.67*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	798.77	98.18
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*190.54*	
		For 3" To 4" Wall Instead Of 1", Add	*298.08*	
		For Type BW, Add	*33.20*	
		For Type L, Add	*69.17*	
		For Positive Pressure Joints, Add	*92.15*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	26.77	9.20
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.44*	
		For 3" To 4" Wall Instead Of 1", Add	*6.31*	
		For Type BW, Add	*0.23*	
		For Type L, Add	*0.48*	
		For Positive Pressure Joints, Add	*3.82*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	33.84	11.78
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.26*	
		For 3" To 4" Wall Instead Of 1", Add	*7.87*	
		For Type BW, Add	*0.26*	
		For Type L, Add	*0.55*	
		For Positive Pressure Joints, Add	*4.86*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	39.83	13.75
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*5.08*	
		For 3" To 4" Wall Instead Of 1", Add	*9.33*	
		For Type BW, Add	*0.33*	
		For Type L, Add	*0.68*	
		For Positive Pressure Joints, Add	*5.70*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	45.84	15.71
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*5.90*	
		For 3" To 4" Wall Instead Of 1", Add	*10.81*	
		For Type BW, Add	*0.39*	
		For Type L, Add	*0.82*	
		For Positive Pressure Joints, Add	*6.55*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	57.82	19.64
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*7.53*	
		For 3" To 4" Wall Instead Of 1", Add	*13.75*	
		For Type BW, Add	*0.52*	
		For Type L, Add	*1.09*	
		For Positive Pressure Joints, Add	*8.24*	
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	79.95	26.50
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*10.73*	
		For 3" To 4" Wall Instead Of 1", Add	*19.41*	
		For Type BW, Add	*0.82*	
		For Type L, Add	*1.71*	
		For Positive Pressure Joints, Add	*11.31*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	98.67	32.89
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*13.16*	
		For 3" To 4" Wall Instead Of 1", Add	*23.84*	
		For Type BW, Add	*0.99*	
		For Type L, Add	*2.06*	
		For Positive Pressure Joints, Add	*13.98*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	126.07	39.27
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*18.19*	
		For 3" To 4" Wall Instead Of 1", Add	*32.19*	
		For Type BW, Add	*1.67*	
		For Type L, Add	*3.49*	
		For Positive Pressure Joints, Add	*17.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	167.08	46.64
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*26.81*	
		For 3" To 4" Wall Instead Of 1", Add	*46.04*	
		For Type BW, Add	*3.03*	
		For Type L, Add	*6.31*	
		For Positive Pressure Joints, Add	*22.54*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	235.26	51.55
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*44.81*	
		For 3" To 4" Wall Instead Of 1", Add	*73.65*	
		For Type BW, Add	*6.38*	
		For Type L, Add	*13.30*	
		For Positive Pressure Joints, Add	*29.97*	

23 51 16 00-0149 Oval Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0150 Oval Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0149)*

23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	45.37	11.54
		For 2" Wall Instead Of 1", Add	*7.84*	
		For 3" To 4" Wall Instead Of 1", Add	*13.21*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	50.07	12.27
		For 2" Wall Instead Of 1", Add	*8.93*	
		For 3" To 4" Wall Instead Of 1", Add	*14.92*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	55.51	13.14
		For 2" Wall Instead Of 1", Add	*10.10*	
		For 3" To 4" Wall Instead Of 1", Add	*16.79*	

23 51 16 00-0154 45 Degree Elbows *(23 51 16 00-0149)*

23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	99.46	23.93
		For 2" Wall Instead Of 1", Add	*17.87*	
		For 3" To 4" Wall Instead Of 1", Add	*29.79*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	116.07	27.98
		For 2" Wall Instead Of 1", Add	*20.83*	
		For 3" To 4" Wall Instead Of 1", Add	*34.74*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	138.30	31.67
		For 2" Wall Instead Of 1", Add	*25.65*	
		For 3" To 4" Wall Instead Of 1", Add	*42.44*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	101.44	23.93
		For 2" Wall Instead Of 1", Add	*18.46*	
		For 3" To 4" Wall Instead Of 1", Add	*30.68*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	120.88	27.98
		For 2" Wall Instead Of 1", Add	*22.27*	
		For 3" To 4" Wall Instead Of 1", Add	*36.91*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	141.41	31.67
		For 2" Wall Instead Of 1", Add	*26.59*	
		For 3" To 4" Wall Instead Of 1", Add	*43.84*	

23 51 16 00-0161 Tees *(23 51 16 00-0149)*

23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	166.44	36.33
		For 2" Wall Instead Of 1", Add	*31.75*	
		For 3" To 4" Wall Instead Of 1", Add	*52.17*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	169.55	36.33
		For 2" Wall Instead Of 1", Add	*32.68*	
		For 3" To 4" Wall Instead Of 1", Add	*53.57*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	194.84	41.72
		For 2" Wall Instead Of 1", Add	*37.59*	
		For 3" To 4" Wall Instead Of 1", Add	*61.60*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	222.96	46.76
		For 2" Wall Instead Of 1", Add	*43.51*	
		For 3" To 4" Wall Instead Of 1", Add	*71.11*	

23 51 16 00-0166 Tops/Caps And Adjustable Flashing *(23 51 16 00-0149)*

23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	63.80	11.78
		For 2" Wall Instead Of 1", Add	*13.23*	
		For 3" To 4" Wall Instead Of 1", Add	*21.32*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	99.70	15.83
		For 2" Wall Instead Of 1", Add	*21.99*	
		For 3" To 4" Wall Instead Of 1", Add	*34.97*	
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	51.63	11.78
		For 2" Wall Instead Of 1", Add	*9.58*	
		For 3" To 4" Wall Instead Of 1", Add	*15.84*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	88.25	15.83
		For 2" Wall Instead Of 1", Add	*18.56*	
		For 3" To 4" Wall Instead Of 1", Add	*29.82*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	33.84	11.78
		For 2" Wall Instead Of 1", Add	*4.26*	
		For 3" To 4" Wall Instead Of 1", Add	*7.87*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	39.83	13.75
		For 2" Wall Instead Of 1", Add	*5.08*	
		For 3" To 4" Wall Instead Of 1", Add	*9.33*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	45.84	15.71
		For 2" Wall Instead Of 1", Add	*5.90*	
		For 3" To 4" Wall Instead Of 1", Add	*10.81*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	127.50	13.14
		For 316 Stainless Steel, Add	*17.05*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.94*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	153.42	15.10
		For 316 Stainless Steel, Add	*20.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.56*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.12*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	170.39	16.33
		For 316 Stainless Steel, Add	*23.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.91*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	192.27	17.80
		For 316 Stainless Steel, Add	*26.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.53*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	216.71	18.65
		For 316 Stainless Steel, Add	*30.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.99*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	228.87	19.64
		For 316 Stainless Steel, Add	*32.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*35.94*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	253.71	20.74
		For 316 Stainless Steel, Add	*36.36*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*20.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*40.40*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	313.09	32.76
		For 316 Stainless Steel, Add	*41.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*23.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*46.25*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	390.15	36.82
		For 316 Stainless Steel, Add	*53.66*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.81*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*59.62*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	440.79	39.27
		For 316 Stainless Steel, Add	*61.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.53*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	493.42	43.57
		For 316 Stainless Steel, Add	*69.20*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.89*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	549.48	47.13
		For 316 Stainless Steel, Add	*77.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*43.18*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*86.36*	
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	627.28	53.63
		For 316 Stainless Steel, Add	*88.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.62*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	734.71	62.10
		For 316 Stainless Steel, Add	*104.30*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.89*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0191		90 Degree Elbows *(23 51 16 00-0175)*		
23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	605.43	27.12
		For 316 Stainless Steel, Add	*107.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*53.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*107.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	668.85	30.19
		For 316 Stainless Steel, Add	*118.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*59.34*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*118.68*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	761.65	32.76
		For 316 Stainless Steel, Add	*135.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*67.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*135.95*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	860.92	35.71
		For 316 Stainless Steel, Add	*154.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*77.17*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*154.34*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	998.93	37.44
		For 316 Stainless Steel, Add	*181.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.08*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,101.08	39.27
		For 316 Stainless Steel, Add	*200.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,273.39	41.36
		For 316 Stainless Steel, Add	*234.01*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*234.01*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,473.00	65.41
		For 316 Stainless Steel, Add	*261.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*130.94*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*261.87*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,813.83	73.63
		For 316 Stainless Steel, Add	*325.95*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*162.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*325.95*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,202.19	78.54
		For 316 Stainless Steel, Add	*401.17*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*401.17*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,912.60	84.06
		For 316 Stainless Steel, Add	*540.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*270.23*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*540.46*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,309.92	98.18
		For 316 Stainless Steel, Add	*612.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*306.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*612.89*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,864.39	107.14
		For 316 Stainless Steel, Add	*919.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*919.34*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	6,075.23	117.81
		For 316 Stainless Steel, Add	*1,156.14*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*578.07*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,156.14*	
23 51 16 00-0206		45 Degree Elbows *(23 51 16 00-0175)*		
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	402.50	26.14
		For 316 Stainless Steel, Add	*67.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*67.42*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	459.91	30.19
		For 316 Stainless Steel, Add	*76.89*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*38.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*76.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	510.90	32.76
		For 316 Stainless Steel, Add	*85.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*85.81*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	582.33	35.71
		For 316 Stainless Steel, Add	*98.62*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*49.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*98.62*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	656.27	37.44
		For 316 Stainless Steel, Add	*112.55*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.55*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	736.13	39.27
		For 316 Stainless Steel, Add	*127.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.59*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	824.86	41.36
		For 316 Stainless Steel, Add	*144.31*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*72.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*144.31*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	988.27	65.41
		For 316 Stainless Steel, Add	*164.92*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*82.46*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*164.92*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,242.73	73.63
		For 316 Stainless Steel, Add	*211.73*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*105.86*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*211.73*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,394.29	78.54
		For 316 Stainless Steel, Add	*239.59*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*119.79*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*239.59*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,812.18	84.06
		For 316 Stainless Steel, Add	*320.38*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*160.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*320.38*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,404.51	98.18
		For 316 Stainless Steel, Add	*431.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*215.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*431.81*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,192.86	107.14
		For 316 Stainless Steel, Add	*585.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*292.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*585.03*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,264.43	117.81
		For 316 Stainless Steel, Add	*793.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*396.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*793.98*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.71	32.76
		For 316 Stainless Steel, Add	*77.84*	
		For Tee Cap, Add	*99.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*70.76*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	495.97	35.71
		For 316 Stainless Steel, Add	*89.48*	
		For Tee Cap, Add	*112.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*40.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*81.35*	
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	569.88	37.44
		For 316 Stainless Steel, Add	*104.81*	
		For Tee Cap, Add	*128.00*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	655.33	39.27
		For 316 Stainless Steel, Add	*122.58*	
		For Tee Cap, Add	*145.79*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*55.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*111.44*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	766.56	43.69
		For 316 Stainless Steel, Add	*144.64*	
		For Tee Cap, Add	*169.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*65.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*131.49*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	860.90	49.09
		For 316 Stainless Steel, Add	*162.42*	
		For Tee Cap, Add	*190.58*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*73.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*147.65*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,003.76	56.09
		For 316 Stainless Steel, Add	*190.00*	
		For Tee Cap, Add	*221.77*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*86.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*172.72*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,148.30	69.33
		For 316 Stainless Steel, Add	*214.51*	
		For Tee Cap, Add	*255.65*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.51*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*195.01*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,457.31	98.18
		For 316 Stainless Steel, Add	*266.61*	
		For Tee Cap, Add	*328.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.19*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*242.37*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,772.06	107.14
		For 316 Stainless Steel, Add	*330.96*	
		For Tee Cap, Add	*394.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*150.44*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*300.87*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,356.08	117.81
		For 316 Stainless Steel, Add	*453.54*	
		For Tee Cap, Add	*515.40*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*206.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*412.31*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,625.78	130.95
		For 316 Stainless Steel, Add	*505.64*	
		For Tee Cap, Add	*574.27*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*229.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,182.19	196.36
		For 316 Stainless Steel, Add	*812.08*	
		For Tee Cap, Add	*910.07*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*369.13*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*738.26*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,255.46	235.62
		For 316 Stainless Steel, Add	*1,026.60*	
		For Tee Cap, Add	*1,139.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*466.64*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*933.27*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	828.74	26.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*76.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*152.67*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	902.87	30.19
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*82.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*165.48*	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	987.31	32.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*90.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*181.08*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,092.15	35.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*100.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*200.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,221.80	37.44
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*112.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*225.66*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,351.81	39.27
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*125.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*250.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,510.19	41.36
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*140.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*281.37*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,751.57	65.41
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*317.59*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,162.08	73.63
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*197.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*395.59*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,425.09	78.54
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*222.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*445.74*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,773.44	84.19
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*256.30*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*512.60*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,170.64	98.18
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*292.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*585.03*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,028.66	107.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*376.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*752.19*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,891.25	117.81
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*459.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*919.34*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	549.11	30.19
		For 316 Stainless Steel, Add	*59.20*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	596.26	35.71
		For 316 Stainless Steel, Add	*63.38*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	652.53	39.27
		For 316 Stainless Steel, Add	*69.30*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	705.33	43.69
		For 316 Stainless Steel, Add	*74.52*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	898.37	46.26
		For 316 Stainless Steel, Add	*97.85*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	802.44	49.09
		For 316 Stainless Steel, Add	*84.97*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	863.66	52.40
		For 316 Stainless Steel, Add	*91.59*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	969.73	73.63
		For 316 Stainless Steel, Add	*98.20*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,087.71	84.06
		For 316 Stainless Steel, Add	*109.69*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,243.27	90.57
		For 316 Stainless Steel, Add	*127.11*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,387.50	98.05
		For 316 Stainless Steel, Add	*142.78*	
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,548.01	117.69
		For 316 Stainless Steel, Add	*156.71*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,984.72	130.83
		For 316 Stainless Steel, Add	*207.20*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,457.33	147.14
		For 316 Stainless Steel, Add	*261.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0266		**Exit Cones** *(23 51 16 00-0175)*		
23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	379.82	17.06
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	400.58	18.65
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	430.75	19.64
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	450.05	20.62
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	496.00	21.23
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	541.97	21.72
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	657.81	22.46
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	821.18	42.10
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,032.60	45.29
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,232.17	47.13
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,515.67	49.09
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,721.88	53.63
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,173.99	56.09
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,779.94	58.91
23 51 16 00-0281		**Vent Top Caps** *(23 51 16 00-0175)*		
23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	415.94	17.06
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	481.37	18.65
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	558.87	19.64
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	642.25	20.62
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	749.47	21.23
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	851.28	21.84
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	947.57	22.46
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,135.87	42.10
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,352.98	45.29
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,468.90	47.13
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,668.82	49.09
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,944.60	53.51
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,368.91	56.09
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,751.99	58.91
23 51 16 00-0296		**Roof Support Assemblies** *(23 51 16 00-0175)*		
23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	627.26	31.42
		For 316 Stainless Steel, Add	*109.76*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	692.48	37.44
		For 316 Stainless Steel, Add	*119.79*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	760.73	41.36
		For 316 Stainless Steel, Add	*131.49*	
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	811.90	46.14
		For 316 Stainless Steel, Add	*139.29*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	905.54	49.09
		For 316 Stainless Steel, Add	*156.57*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	961.12	52.40
		For 316 Stainless Steel, Add	*166.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,031.86	56.21
		For 316 Stainless Steel, Add	*178.30*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,143.56	78.54
		For 316 Stainless Steel, Add	*189.44*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,285.22	90.69
		For 316 Stainless Steel, Add	*211.73*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,485.17	98.18
		For 316 Stainless Steel, Add	*247.94*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,772.09	107.14
		For 316 Stainless Steel, Add	*300.87*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,054.67	130.95
		For 316 Stainless Steel, Add	*345.45*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,070.44	147.26
		For 316 Stainless Steel, Add	*540.46*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,761.62	167.40
		For 316 Stainless Steel, Add	*668.61*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	110.78	13.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.60*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	135.38	13.99
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*10.03*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*20.06*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	154.82	15.10
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*23.40*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	210.74	16.33
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.99*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.99*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	273.11	17.92
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*45.69*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	347.75	18.77
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.09*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*60.18*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	239.58	26.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.41*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.82*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	265.08	27.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.00*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	298.37	30.19
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.29*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.57*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	371.59	32.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.97*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	443.05	35.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*35.38*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*70.76*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	516.91	37.44
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*84.69*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	196.06	26.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*13.06*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*26.12*	
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	216.32	27.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	242.67	30.19
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.43*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	299.16	32.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.73*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	354.57	35.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*26.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*53.07*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	411.11	37.44
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.52*	
23 51 16 00-0333		**Tees With Tee Caps** *(23 51 16 00-0311)*		
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	394.13	26.14
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.75*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	499.11	27.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*42.90*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*85.81*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	560.21	30.19
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*48.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*96.95*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	764.32	32.76
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*68.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*136.51*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,050.32	35.71
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*96.11*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*192.23*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,347.08	37.44
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*125.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*250.73*	
23 51 16 00-0340		**Joist Shields** *(23 51 16 00-0311)*		
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	165.71	26.14
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	178.73	27.98
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	209.19	30.19
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	261.60	32.76
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	313.48	35.71
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	372.05	37.44
23 51 16 00-0347		**Adjustable Roof Flashing** *(23 51 16 00-0311)*		
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	197.74	26.14
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	220.50	27.98
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	239.83	30.19
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	292.21	32.76
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	360.92	35.71
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	433.30	37.30
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	176.86	26.14
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	221.89	27.98
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	278.84	30.19
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	446.87	32.76
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	610.24	35.71
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	778.81	37.44
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	264.51	26.14
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	294.32	27.98
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	319.21	30.19
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	402.19	32.76
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	476.47	35.71
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	583.80	37.44
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	256.15	49.98
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	278.47	49.98
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	46.79	15.18
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	53.45	15.97
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	61.37	17.76
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	76.45	20.89
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	56.41	17.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	68.64	18.32
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	84.64	20.36
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	104.93	23.95
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	94.41	23.02
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	112.09	24.23
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	140.03	26.93
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	182.08	31.68
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	140.07	33.98
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	160.79	35.76
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	210.43	39.74
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	274.54	46.76

23 51 16 00-0390 Polypropylene Flue/Vent Elbows *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	57.91	18.44
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	68.17	19.42
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	85.94	20.12
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	100.27	20.95
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	57.91	18.44
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	68.17	19.42
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	85.94	20.12
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	100.27	20.95
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	57.91	18.44
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	68.17	19.42
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	85.94	20.12
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	100.27	20.95
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	57.91	18.44
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	68.17	19.42
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	84.83	20.12
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	103.01	20.95

23 51 16 00-0407 Polypropylene Flue/Vent Tees *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	185.84	27.67
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	234.58	29.13
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	276.06	30.19
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	302.35	31.42

23 51 16 00-0412 Polypropylene Flue/Vent Adaptors *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	68.71	18.44
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	99.63	19.42
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	116.40	20.12
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	159.82	20.95

23 51 16 00-0417 Polypropylene Flue/Vent Increases *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	76.39	18.93
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	83.82	19.77
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	153.27	20.53
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	104.11	18.93
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	81.56	19.77
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	212.48	20.53

23 51 16 00-0424 Polypropylene Flue/Vent Reducers *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	76.39	18.93
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	83.82	19.77
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	190.18	20.53

23 51 16 00-0428 Polypropylene Flue/Vent Test Ports *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	96.29	27.67
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	108.33	29.13
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	168.20	30.19
23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	179.72	31.42

23 51 16 00-0433 Polypropylene Flue/Vent Cascade Components *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	281.03	30.19
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	368.34	37.74
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	230.06	31.42
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	342.00	39.27
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	361.81	19.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	419.26	20.53
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	133.72	27.67
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	162.32	29.13
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	186.44	30.19
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	213.22	31.42
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	237.09	30.19
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	261.69	31.42
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	78.16	9.23
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	100.69	9.70
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	119.90	10.07
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	157.04	10.47
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	149.93	27.67
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	184.79	29.13
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	214.30	30.19
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	259.02	31.42
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	197.73	18.44
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	173.92	19.42
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	218.32	20.12
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	449.49	19.42
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	480.05	20.12
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	560.80	20.95
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	115.54	18.44
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	122.48	18.44
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	129.42	18.44
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	136.36	18.44
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	124.91	19.42
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.85	19.42
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	138.79	19.42
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	145.73	19.42
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	140.56	20.12
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	147.50	20.12
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	154.45	20.12
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	122.41	18.44
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	157.53	19.42
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	141.25	27.67
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	187.23	29.13
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	222.06	30.19
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	244.97	31.42
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	49.23	15.97
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	59.15	17.76
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	59.39	18.32
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	74.65	20.36
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	90.25	24.23
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	124.16	35.76
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	151.10	39.74
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	54.80	15.97
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	70.93	18.32
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	117.24	24.23
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	60.11	18.44
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	70.94	19.42
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	89.50	20.12
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	59.07	18.44
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	70.25	19.42
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	88.28	20.12
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	39.07	9.23
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	45.73	9.70
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	51.39	10.07
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	102.61	9.70
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	118.04	10.47
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	19.93	4.61
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	18.89	4.86
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	19.45	5.03
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	31.26	5.24
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	37.99	6.93
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	44.81	7.28
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	52.18	7.55
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	36.06	6.93
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	35.84	7.55
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	43.96	7.85
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	27.10	7.28
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	53.12	18.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	58.75	19.42
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	63.44	20.12
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	71.17	20.95
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.46	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.98	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.75	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	11.15	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	16.32	4.61
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	18.55	4.86
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	20.02	5.03
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	22.21	5.24
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	85.12	9.23
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	87.21	9.70
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	64.13	10.07
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	74.25	6.93
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	76.55	7.28
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	103.28	7.55
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	176.17	7.85

23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe *(23 51 16 00-0372)*

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	13.31	1.62
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.46	1.62
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	16.37	1.91
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	14.05	1.91
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	23.72	2.36
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	20.15	2.36

23 51 16 00-0538 Polypropylene Flue/Vent Couplers *(23 51 16 00-0372)*

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	92.12	18.44
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	103.71	18.44
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	215.50	19.42
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	397.40	20.12
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	107.12	18.44
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	257.84	19.42
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	675.07	20.12

23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations *(23 51 16 00-0372)*

23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	122.51	18.44
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	112.61	19.42
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	140.19	20.12

23 51 16 00-0550 Aluminum Flue/Vent Fittings *(23 51 16)*

23 51 16 00-0551 Aluminum Vent Top Caps *(23 51 16 00-0550)*

23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	117.11	18.29
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	124.63	17.92
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	135.33	18.77
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	190.72	19.64
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	213.36	21.84
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	620.65	23.07
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	635.82	24.54

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001 Packaged Electric Steam Boiler *(23 52 13)*

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,373.58	718.22
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	10,119.95	837.93
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,860.20	897.78
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	12,089.52	957.63
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	13,289.27	1,017.48
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	15,511.91	1,137.19
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,734.65	1,256.89
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	18,455.74	1,316.75
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	19,436.33	1,376.60
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	25,409.40	1,496.29
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	26,480.86	1,556.15
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	27,832.62	1,706.10
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	28,991.11	1,832.47
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	31,277.98	1,958.85
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	33,687.51	2,148.42
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	35,821.35	2,211.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	37,560.77	2,274.80
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	39,910.48	2,337.98
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	42,260.83	2,401.17
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	45,219.21	2,527.55
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	48,266.07	2,653.93
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	51,249.74	2,717.12
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	56,802.62	2,780.31
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	61,177.03	2,906.68
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	62,656.22	3,033.06
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	68,894.16	3,222.63
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	71,132.93	3,412.19
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	73,498.07	3,601.76
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	78,065.95	3,791.33
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	80,095.83	3,917.70
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	82,760.21	4,170.47
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	85,592.21	4,423.22
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	93,500.23	4,675.98
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	98,573.61	4,928.73
23 52 13 00-0036		Packaged Electric Hot Water Boiler *(23 52 13)* Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH output.		
23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	8,230.00	658.37
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,667.82	718.22
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	9,105.64	778.07
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,531.25	837.93
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	10,023.09	897.78
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,384.30	957.63
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,822.12	1,017.48
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,478.84	1,077.34
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	12,057.67	1,137.19
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	12,407.92	1,197.04
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	13,325.84	1,256.89
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	14,192.38	1,316.75
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,761.12	1,376.60
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,788.25	1,436.45
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	17,649.11	1,496.29
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	19,153.78	1,556.15
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	20,943.01	1,706.10
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	22,514.20	1,832.47
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	24,222.70	1,958.85
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	25,920.26	2,148.42
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	27,628.77	2,274.80
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	29,220.36	2,401.17
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	31,443.85	2,464.36
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	33,508.60	2,527.55
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	35,485.77	2,653.93
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	37,561.97	2,653.93
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	41,151.94	2,717.12
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	43,062.31	2,780.31
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	45,464.17	2,906.68
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	47,287.11	2,969.87
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	49,116.49	3,033.06
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	50,484.01	3,222.63
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	52,960.62	3,412.19
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	61,645.67	3,601.76
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	67,639.08	3,791.33
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	70,269.79	3,917.70
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	73,195.73	4,170.47
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	76,121.68	4,423.22
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	84,381.57	4,675.98
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	89,703.10	4,928.73
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	91,972.31	5,055.11
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	94,241.52	5,181.49
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	94,747.03	5,371.06
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	101,727.31	5,497.43
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	106,392.11	5,687.00
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	114,223.18	6,066.13
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	123,082.21	6,698.02
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	133,263.69	7,456.29
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	141,094.77	8,214.55

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	13,245.64	478.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	14,017.45	637.78
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,952.31	718.10
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,849.98	758.08
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	20,908.85	877.79
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	24,196.12	957.51
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	32,670.09	1,117.08
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	45,389.17	1,276.76
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	55,491.34	1,396.46
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	80,080.52	1,635.75
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	88,244.51	1,755.46
23 52 16 13-0013		**Buderus SB615 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners. Capacity given is IBR rating.		
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	41,723.41	1,037.35
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	43,705.66	1,117.08
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	48,836.97	1,276.76
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	52,801.46	1,436.32
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	58,582.73	1,556.03
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	67,010.15	1,635.75
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	80,425.22	1,755.46
23 52 16 13-0021		**Buderus SB735 Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Includes Riello burners.		
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	82,530.63	1,915.02
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	95,567.51	1,994.87
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	110,746.10	2,074.71
23 52 16 13-0025		**Laars Neotherm Stainless Steel Condensing Boiler** *(23 52 16 13)* Note: Compliant with SCAQMD. Rated by gross rated input.		
23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	9,405.38	518.67
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,735.48	598.52
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	12,021.08	718.10
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	13,388.03	797.94
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	16,862.78	877.79
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	22,060.19	957.51
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	26,520.81	1,037.35
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	29,446.44	1,117.08
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	31,988.31	1,196.92
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	34,769.61	1,356.48
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	49,556.78	1,436.32
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	65,918.18	1,675.73
23 52 16 13-0038		**AERCO Benchmark Stainless-Steel Condensing Boilers** *(23 52 16 13)*		
23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	52,850.68	1,635.75
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	62,717.60	1,755.46
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	90,179.88	1,955.00
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	96,084.98	1,955.00
23 52 16 13-0043		**Lochinvar Knight Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	13,038.30	718.10
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	16,883.67	797.94
23 52 16 13-0046		**Lochinvar Knight XL Stainless Steel Condensing Boilers** *(23 52 16 13)* Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	19,173.11	917.65
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	23,921.53	957.51
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	29,371.38	1,037.35
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	35,237.94	1,077.22
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	43,106.21	1,157.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	54,646.75	1,356.24
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	56,385.60	1,556.03
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	61,819.58	1,655.50
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	67,253.57	1,755.46
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	78,933.83	1,835.30
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	87,466.93	1,915.02
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	107,515.33	1,994.87
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	118,811.54	2,074.59
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	145,821.59	2,154.31
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	50,222.48	1,635.75
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	77,207.53	1,955.00
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	26,180.57	1,157.06
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	31,477.38	1,436.32
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	53,381.36	1,755.46
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	91,669.12	2,074.71
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	38,353.25	1,516.05
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	63,128.67	1,755.46
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	93,743.01	2,074.71
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80)	8,701.36	518.67
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105)	9,591.32	598.52
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155)	10,817.83	718.10
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230)	12,141.49	797.94
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310)	15,753.35	917.65
		Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	21,440.76	877.79
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	24,122.20	997.49
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	27,315.36	1,196.92
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	40,493.09	1,356.48
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	42,299.08	1,436.32
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	65,660.84	1,635.75
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	71,103.13	1,755.46
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	83,563.57	1,915.02
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	96,996.30	1,955.00
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	110,363.28	2,074.71
23 52 16 16-0018		Buderus GB142 Wall Hung Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Includes standard controls.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24)	6,294.02	478.82
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30)	7,310.73	558.53
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45)	8,444.59	678.24
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60)	9,250.84	758.08
		Note: Includes an aluminum heat exchanger and three speed circulating pump.		
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	367.99	119.71
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	474.89	119.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	989.22	119.71
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,466.63	877.79
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,837.25	917.65
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	24,472.61	1,077.22
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,902.27	1,077.22
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	29,213.82	1,157.06
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	27,643.48	1,157.06
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	33,969.90	1,356.48
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,962.02	1,436.32
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	42,121.64	1,516.05
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	42,750.57	1,516.05
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	51,244.98	1,556.03
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	51,873.90	1,556.03
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	809.16	119.71
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	14,812.91	877.79
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	17,241.75	957.51
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	21,533.30	1,057.23
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	24,724.89	1,157.06
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	29,525.80	1,276.76
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	32,596.48	1,396.46
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	526.37	59.85
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	290.12	59.85
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	409.41	59.85
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	852.48	59.85

23 52 16 19 Copper Water-Tube Condensing Boilers *(23 52 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 19-0001		Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*		
23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	48,308.25	1,516.05
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	54,466.86	1,675.73
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	59,598.00	1,755.46
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	64,311.53	1,835.30
23 52 16 23		**Cast Iron Condensing Boilers** *(23 52 16)*		
23 52 16 23-0001		Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*		
		Note: Rated by gross rated output.		
23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	17,016.92	758.08
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	24,899.99	957.51
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	40,909.42	1,117.08
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	53,696.44	1,436.32
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	71,566.87	1,675.73
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	78,061.97	1,755.46
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	99,331.89	1,915.02
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	108,564.87	1,955.00
23 52 23		**Cast-Iron Boilers** *(23 52)*		
23 52 23 00-0001		Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*		
		Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0002		Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380)	19,479.19	3,747.10
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480)	21,317.67	3,996.91
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580)	23,331.36	4,246.72
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680)	25,202.90	4,496.52
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780)	26,930.16	4,746.33
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880)	29,300.28	4,996.13
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980)	31,128.61	5,245.94
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080)	32,576.89	5,495.74
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180)	34,019.83	5,745.56
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280)	35,688.37	5,995.36
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0013		Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380)	14,038.56	505.51
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480)	15,619.50	505.51
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580)	17,884.17	631.89
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680)	19,496.18	631.89
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780)	21,474.73	758.27
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880)	23,606.64	758.27
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980)	25,683.30	884.64
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080)	27,380.64	1,011.02
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180)	28,569.21	1,011.02
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280)	30,484.02	1,137.40
		Note: Fire tested factory assembled package unit.		
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
		Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380)	20,402.91	3,747.10
		Note: Includes field assembly of individual sections and testing.		
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler	22,406.52	3,996.91
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler	24,320.48	4,246.72
		Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,460.14	4,496.52
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,221.73	4,746.33
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,801.12	4,996.13
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,416.91	5,245.94
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,987.81	5,495.74
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	35,432.39	5,745.56
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	37,145.07	5,995.36
23 52 23 00-0035		**Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler** *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	14,962.27	505.51
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	16,708.35	505.51
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	18,873.28	631.89
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	20,753.42	631.89
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	22,766.30	758.27
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	25,107.48	758.27
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	26,971.60	884.64
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	28,791.56	1,011.02
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	29,981.77	1,011.02
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	31,940.71	1,137.40
23 52 23 00-0046		**Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		**Gas Fired Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	31,802.88	5,620.65
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	35,153.11	5,964.14
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	39,304.55	6,307.62
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	42,960.07	6,651.10
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	46,135.91	6,994.59
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	50,746.97	7,338.07
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	53,952.91	7,681.55
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	56,786.87	8,025.04
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	60,576.79	8,368.52
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	63,621.35	8,712.01
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	68,564.88	9,055.49
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	71,460.81	9,398.97
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	74,533.62	9,742.46
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	77,959.64	10,085.94
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	80,743.57	10,429.43
23 52 23 00-0063		**Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler** *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	25,706.19	884.64
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	29,154.51	1,011.02
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	33,423.57	1,137.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	37,161.28	1,263.78
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	39,927.53	1,263.78
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	44,641.26	1,390.15
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	47,441.84	1,390.15
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	50,373.55	1,516.53
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	53,759.43	1,516.53
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	56,902.08	1,642.91
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	59,944.92	1,769.29
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	62,436.51	1,769.29
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	65,608.53	1,895.66
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	68,628.19	1,895.66
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	71,545.13	2,022.04

23 52 23 00-0079 Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	32,940.77	5,620.65
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	36,284.46	5,964.14
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	40,730.18	6,307.62
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	44,529.57	6,651.10
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	47,545.19	6,994.59
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	52,067.97	7,338.07
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	55,936.04	7,681.55
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	58,770.01	8,025.04
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	62,520.69	8,368.52
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	66,400.68	8,712.01
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	71,484.81	9,055.49
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	75,363.31	9,398.97
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	77,451.92	9,742.46
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	80,789.65	10,085.94
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	83,604.65	10,429.43

23 52 23 00-0095 Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*

23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	26,844.08	884.64
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	30,285.86	1,011.02
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	34,832.85	1,137.40
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	38,730.78	1,263.78
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	41,340.08	1,263.78
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	45,962.26	1,390.15
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	49,424.98	1,390.15
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	52,356.69	1,516.53
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	55,703.33	1,516.53
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	59,689.58	1,642.91
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	62,864.85	1,769.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	64,704.12	1,769.29
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	68,526.83	1,895.66
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	71,458.20	1,895.66
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	74,373.51	2,022.04
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	87,396.53	10,929.05
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	94,794.81	11,553.56
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	101,546.46	12,178.08
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	108,156.07	12,802.59
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	114,827.52	13,427.11
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	123,280.59	14,051.63
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	129,563.36	14,676.14
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	135,640.74	15,300.66
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	145,568.48	15,925.18
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	151,642.35	16,549.70
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	156,844.80	17,174.21
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	166,424.52	17,798.73
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	172,549.37	18,423.25
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	182,350.43	19,047.76
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	188,801.10	19,672.28
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	195,864.73	20,296.79
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	201,923.82	20,921.31
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	208,158.74	21,545.83
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	79,022.27	1,642.91
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	86,193.24	1,769.29
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	92,713.54	1,895.66
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	99,096.46	2,022.04
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	105,031.15	2,022.04
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	111,260.57	2,148.42
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	116,807.78	2,148.42
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	122,656.07	2,274.80
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	131,849.12	2,274.80
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	137,695.78	2,401.17
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	142,162.32	2,401.17
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	151,515.98	2,527.55
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	156,904.61	2,527.55
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	166,506.79	2,653.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	172,191.34	2,653.93
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	179,023.92	2,780.31
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	184,348.78	2,780.31
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	190,354.03	2,906.68
23 52 23 00-0150		Oil Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	82,517.98	10,929.05
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	89,916.27	11,553.56
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	98,927.35	12,178.08
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	104,946.76	12,802.59
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	111,216.03	13,427.11
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	119,219.49	14,051.63
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	125,806.36	14,676.14
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	131,887.01	15,300.66
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	142,982.07	15,925.18
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	149,057.57	16,549.70
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	155,131.42	17,174.21
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	166,435.97	17,798.73
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	172,560.81	18,423.25
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	182,625.09	19,047.76
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	189,074.13	19,672.28
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	195,997.16	20,296.79
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	202,056.24	20,921.31
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	208,300.98	21,545.83
23 52 23 00-0169		Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	73,878.88	1,642.91
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	81,049.85	1,769.29
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	89,829.57	1,895.66
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	95,622.30	2,022.04
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	101,154.80	2,022.04
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	106,934.62	2,148.42
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	112,785.93	2,148.42
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	118,634.22	2,274.80
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	128,997.85	2,274.80
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	134,842.87	2,401.17
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	140,184.09	2,401.17
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	151,262.57	2,527.55
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	156,651.20	2,527.55
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	166,483.91	2,653.93
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	172,199.52	2,653.93
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	178,891.49	2,780.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	184,216.36	2,780.31
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	190,231.41	2,906.68
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	88,930.06	10,929.05
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	96,329.98	11,553.56
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	103,500.16	12,178.08
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	110,274.90	12,802.59
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	116,908.75	13,427.11
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	124,048.99	14,051.63
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	132,115.44	14,676.14
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	138,595.01	15,300.66
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	148,779.42	15,925.18
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	154,853.29	16,549.70
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	160,170.19	17,174.21
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	169,861.08	17,798.73
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	177,620.83	18,423.25
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	188,298.19	19,047.76
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	194,699.82	19,672.28
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	202,067.54	20,296.79
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	208,128.26	20,921.31
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	214,368.09	21,545.83
23 52 23 00-0207		**Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	80,675.16	1,642.91
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	87,847.76	1,769.29
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	94,791.50	1,895.66
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	101,336.28	2,022.04
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	107,233.36	2,022.04
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	112,148.32	2,148.42
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	119,479.21	2,148.42
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	125,728.05	2,274.80
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	135,181.04	2,274.80
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	141,024.43	2,401.17
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	145,607.06	2,401.17
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	155,071.89	2,527.55
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	162,097.05	2,527.55
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	172,542.85	2,653.93
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	178,211.04	2,653.93
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	185,346.07	2,780.31
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	190,672.58	2,780.31
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	196,684.36	2,906.68

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33		**Water-Tube Boilers** *(23 52)*		
23 52 33 13		**Finned Water-Tube Boilers** *(23 52 33)*		
23 52 33 13-0001		Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*		
23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,587.40	711.04
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	10,552.58	790.05
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	12,132.66	948.05
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	15,441.67	987.56
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	18,146.74	1,185.06
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	22,290.02	1,422.08
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	25,292.70	1,501.09
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	28,005.92	1,619.59
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	30,521.96	1,698.60
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	32,731.38	1,738.10
23 52 33 13-0012		Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*		
23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	33,203.38	1,422.08
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	41,431.65	1,619.59
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	44,151.59	1,738.10
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	62,352.06	1,975.11
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	65,434.47	2,212.13
23 52 33 13-0018		Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*		
23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,837.74	638.02
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,811.80	797.23
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	19,111.37	957.63
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	19,637.07	957.63
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	24,358.75	1,197.04
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	28,216.92	1,197.04
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	30,769.06	1,197.04
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	33,161.76	1,436.45
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	39,222.42	1,675.85
		For High And Low Gas Pressure Switch With Manual Reset, Add	*551.17*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*488.26*	
23 52 33 13-0028		Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*		
23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	14,293.14	876.95
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	15,388.08	790.05
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	17,118.99	948.05
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	18,168.54	1,076.26
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	20,181.96	1,185.06
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	21,708.07	1,275.57
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	24,805.66	1,422.08
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	28,846.14	1,501.09
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	30,603.14	1,619.59
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	36,625.29	1,659.10
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	36,745.00	1,698.60
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	43,032.66	1,738.10
23 52 33 13-0041		Raypak Gas Fired Finned-Tube Water Heater With Pump (Type WH) *(23 52 33 13)*		
23 52 33 13-0042	EA	150 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD151 Note: 85% Efficient	11,409.88	797.23
23 52 33 13-0043	EA	200 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD201 Note: 85% Efficient	13,838.23	837.09
23 52 33 13-0044	EA	250 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD251 Note: 85% Efficient	15,621.04	876.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0045	EA	300 MBH Input, High Delta Copper Finned Tube Boiler, Raypak WH1-HD301 Note: 85% Efficient	19,274.20	956.67
23 52 33 13-0046	EA	300 MBH Input, Copper Finned Tube Boiler, Raypak WH1-302B Note: 85% Efficient	19,263.26	956.67
23 52 33 13-0047	EA	400 MBH Input, Copper Finned Tube Boiler, Raypak WH1-402B Note: 85% Efficient	23,660.44	1,036.39
23 52 33 13-0048	EA	500 MBH Input, Copper Finned Tube Boiler, Raypak WH3-502B Note: 85% Efficient	26,261.02	1,116.12
23 52 33 13-0049	EA	650 MBH Input, Copper Finned Tube Boiler, Raypak WH3-652B Note: 85% Efficient	27,679.92	1,195.84
23 52 33 13-0050	EA	750 MBH Input, Copper Finned Tube Boiler, Raypak WH3-752B Note: 85% Efficient	29,494.90	1,275.57
23 52 33 13-0051	EA	900 MBH Input, Copper Finned Tube Boiler, Raypak WH3-902B Note: 85% Efficient	32,189.59	1,355.29
23 52 33 13-0052	EA	990 MBH Input, Copper Finned Tube Boiler, Raypak WH3-992B Note: 85% Efficient	34,004.57	1,435.01
23 52 33 13-0053	EA	1260 MBH Input, Copper Finned Tube Boiler, Raypak WH3-1262B Note: 85% Efficient	39,161.08	1,514.73

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Package Oil Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0002	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,564.63	1,011.02
		For Steam System, Add	*3,108.52*	
23 52 33 16-0003	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,099.98	1,137.40
		For Steam System, Add	*3,165.04*	
23 52 33 16-0004	EA	350 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,635.32	1,263.78
		For Steam System, Add	*3,221.55*	
23 52 33 16-0005	EA	430 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,618.30	1,390.15
		For Steam System, Add	*3,367.60*	
23 52 33 16-0006	EA	520 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,610.31	1,516.53
		For Steam System, Add	*3,515.45*	
23 52 33 16-0007	EA	600 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,332.55	1,642.91
		For Steam System, Add	*3,809.35*	
23 52 33 16-0008	EA	680 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	23,448.00	1,706.10
		For Steam System, Add	*4,007.16*	
23 52 33 16-0009	EA	770 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	24,563.46	1,769.29
		For Steam System, Add	*4,204.98*	
23 52 33 16-0010	EA	860 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	26,624.80	1,895.66
		For Steam System, Add	*4,566.69*	
23 52 33 16-0011	EA	1,020 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,686.15	2,022.04
		For Steam System, Add	*4,928.41*	
23 52 33 16-0012	EA	1,220 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	31,226.33	2,274.80
		For Steam System, Add	*5,335.35*	
23 52 33 16-0013	EA	1,440 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	33,540.43	2,527.55
		For Steam System, Add	*5,697.06*	
23 52 33 16-0014	EA	1,700 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	36,958.22	2,653.93
		For Steam System, Add	*6,330.07*	
23 52 33 16-0015	EA	2,050 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	39,019.56	2,780.31
		For Steam System, Add	*6,691.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0016	EA	2,200 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	41,985.22	2,906.68
		For Steam System, Add	*7,234.37*	
23 52 33 16-0017	EA	2,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	46,759.45	3,033.06
		For Steam System, Add	*8,138.66*	
23 52 33 16-0018	EA	2,750 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	50,203.92	3,285.82
		For Steam System, Add	*8,726.46*	
23 52 33 16-0019	EA	3,100 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	53,648.40	3,538.57
		For Steam System, Add	*9,314.25*	
23 52 33 16-0020	EA	3,450 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	57,318.94	3,791.33
		For Steam System, Add	*9,947.26*	
23 52 33 16-0021	EA	4,300 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	63,385.87	4,044.08
		For Steam System, Add	*11,059.54*	
23 52 33 16-0022	EA	5,160 MBH Oil Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	66,016.48	4,296.85
		For Steam System, Add	*11,484.56*	

23 52 33 16-0023 Package Gas Fired Water Tube Boiler *(23 52 33 16)*

Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.

23 52 33 16-0024	EA	200 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,185.54	1,011.02
		For Steam System, Add	*3,032.70*	
		For LP Gas Burner, Add	*758.18*	
23 52 33 16-0025	EA	285 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	17,714.00	1,137.40
		For Steam System, Add	*3,087.84*	
		For LP Gas Burner, Add	*771.96*	
23 52 33 16-0026	EA	350 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	18,242.45	1,263.78
		For Steam System, Add	*3,142.98*	
		For LP Gas Burner, Add	*785.75*	
23 52 33 16-0027	EA	430 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	19,212.03	1,390.15
		For Steam System, Add	*3,286.34*	
		For LP Gas Burner, Add	*821.59*	
23 52 33 16-0028	EA	520 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	20,181.60	1,516.53
		For Steam System, Add	*3,429.71*	
		For LP Gas Burner, Add	*857.43*	
23 52 33 16-0029	EA	600 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	21,868.00	1,642.91
		For Steam System, Add	*3,716.44*	
		For LP Gas Burner, Add	*929.11*	
23 52 33 16-0030	EA	680 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	22,959.32	1,706.10
		For Steam System, Add	*3,909.43*	
		For LP Gas Burner, Add	*977.36*	
23 52 33 16-0031	EA	770 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	24,050.66	1,769.29
		For Steam System, Add	*4,102.42*	
		For LP Gas Burner, Add	*1,025.60*	
23 52 33 16-0032	EA	860 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	26,067.89	1,895.66
		For Steam System, Add	*4,455.31*	
		For LP Gas Burner, Add	*1,113.83*	
23 52 33 16-0033	EA	1,020 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	28,085.12	2,022.04
		For Steam System, Add	*4,808.21*	
		For LP Gas Burner, Add	*1,202.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0034	EA	1,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	30,575.68	2,274.80
		For Steam System, Add	*5,205.22*	
		For LP Gas Burner, Add	*1,301.30*	
23 52 33 16-0035	EA	1,440 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	32,845.67	2,527.55
		For Steam System, Add	*5,558.11*	
		For LP Gas Burner, Add	*1,389.53*	
23 52 33 16-0036	EA	1,700 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	36,186.26	2,653.93
		For Steam System, Add	*6,175.68*	
		For LP Gas Burner, Add	*1,543.92*	
23 52 33 16-0037	EA	2,050 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	38,203.49	2,780.31
		For Steam System, Add	*6,528.58*	
		For LP Gas Burner, Add	*1,632.14*	
23 52 33 16-0038	EA	2,220 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	41,102.98	2,906.68
		For Steam System, Add	*7,057.92*	
		For LP Gas Burner, Add	*1,764.48*	
23 52 33 16-0039	EA	2,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	45,766.93	3,033.06
		For Steam System, Add	*7,940.16*	
		For LP Gas Burner, Add	*1,985.04*	
23 52 33 16-0040	EA	2,750 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	49,139.72	3,285.82
		For Steam System, Add	*8,513.62*	
		For LP Gas Burner, Add	*2,128.40*	
23 52 33 16-0041	EA	3,100 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	52,512.52	3,538.57
		For Steam System, Add	*9,087.07*	
		For LP Gas Burner, Add	*2,271.77*	
23 52 33 16-0042	EA	3,450 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	56,105.86	3,791.33
		For Steam System, Add	*9,704.64*	
		For LP Gas Burner, Add	*2,426.16*	
23 52 33 16-0043	EA	4,300 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	60,713.79	4,044.08
		For Steam System, Add	*10,525.12*	
		For LP Gas Burner, Add	*2,631.28*	
23 52 33 16-0044	EA	5,160 MBH Gas Fired Water Tube Boiler, Steel Shell Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.	63,292.56	4,296.85
		For Steam System, Add	*10,939.78*	
		For LP Gas Burner, Add	*2,734.94*	

23 52 33 16-0045 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0046	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	92,799.54	1,915.26
23 52 33 16-0047	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	99,778.97	2,394.08
23 52 33 16-0048	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	101,594.66	2,633.48
23 52 33 16-0049	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	109,432.15	2,872.89
23 52 33 16-0050	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	113,161.27	3,232.01
23 52 33 16-0051	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	124,916.34	3,591.11
23 52 33 16-0052	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	130,173.13	3,710.82

23 52 33 16-0053 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0054	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	108,330.51	2,154.67
23 52 33 16-0055	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	113,731.31	2,513.78
23 52 33 16-0056	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	116,886.22	2,753.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0057	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	130,743.17	2,992.60
23 52 33 16-0058	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	135,569.75	3,232.01
23 52 33 16-0059	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	144,983.54	3,591.11
23 52 33 16-0060	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	153,497.66	3,830.52
23 52 33 16-0061	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	256,651.41	4,069.93
23 52 33 16-0062	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	277,867.03	4,309.34
23 52 33 16-0063	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	292,393.59	4,548.74
23 52 33 16-0064	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	299,896.27	4,788.15

23 52 33 16-0065 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0066	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	116,691.26	2,154.67
23 52 33 16-0067	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	123,766.08	2,513.78
23 52 33 16-0068	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	128,257.86	2,753.19
23 52 33 16-0069	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	142,449.62	2,992.60
23 52 33 16-0070	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	147,276.20	3,232.01
23 52 33 16-0071	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	155,018.30	3,591.11
23 52 33 16-0072	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	163,860.21	3,830.52
23 52 33 16-0073	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	266,351.38	4,069.93
23 52 33 16-0074	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	289,241.02	4,309.34
23 52 33 16-0075	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	298,415.39	4,548.74
23 52 33 16-0076	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	311,270.26	4,788.15
23 52 33 16-0077	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	346,198.82	5,027.56
23 52 33 16-0078	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	501,034.20	5,266.97
23 52 33 16-0079	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	526,431.36	5,506.37

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP). boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	94,325.07	3,033.06
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	98,608.24	3,285.82
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	103,234.76	3,538.57
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	111,638.92	3,791.33
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	116,608.84	4,044.08
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	121,493.07	4,296.85
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	135,151.50	4,549.60
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	156,407.13	5,055.11
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	178,023.44	5,560.62
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	195,301.43	6,129.32
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	212,579.58	6,698.02
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	223,440.08	7,835.42
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	272,334.08	8,972.82
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	322,430.03	10,110.21
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	373,036.39	11,373.99
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	422,495.64	12,321.83

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0002		**15 PSI Gas Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,156.85	1,390.15
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	80,897.54	1,516.53
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,865.51	1,642.91
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	91,789.24	1,895.66
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,176.84	2,022.04
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,675.27	2,148.42
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,782.94	2,211.61
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,563.28	2,274.80
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,883.14	2,527.55
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,780.50	2,780.31
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,415.17	3,064.66
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,047.24	3,349.01
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,214.86	3,917.70
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,550.79	4,486.41
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,330.54	5,055.11
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	274,761.45	5,623.81
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	333,776.60	6,192.51
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	390,522.32	6,761.21
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	444,849.18	7,329.91
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	496,993.78	7,898.61
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	774,177.73	8,467.31
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	842,351.86	9,036.01
23 52 39 13-0025		**15 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	69,647.53	1,390.15
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	74,973.55	1,516.53
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,426.38	1,642.91
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	88,708.77	1,895.66
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,543.46	2,022.04
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,372.22	2,148.42
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,957.24	2,211.61
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,114.69	2,274.80
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,999.91	2,527.55
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	140,907.57	2,780.31
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	154,555.97	3,064.66
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	168,201.77	3,349.01
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	177,376.27	3,917.70
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	215,749.97	4,486.41
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	233,543.46	5,055.11
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,015.58	5,623.81
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	334,085.67	6,192.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	390,886.34	6,761.21
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	445,264.71	7,329.91
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	497,460.83	7,898.61
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	774,916.02	8,467.31
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	843,159.53	9,036.01
23 52 39 13-0048		15 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	77,568.17	1,390.15
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	83,490.36	1,516.53
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	90,678.12	1,642.91
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,285.26	1,895.66
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	99,391.25	2,022.04
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,491.31	2,148.42
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,344.20	2,211.61
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	111,197.96	2,274.80
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,745.97	2,527.55
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	146,316.43	2,780.31
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	160,486.83	3,064.66
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,651.20	3,349.01
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	184,114.17	3,917.70
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	223,992.05	4,486.41
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	242,431.17	5,055.11
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	285,537.97	5,623.81
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	346,974.23	6,192.51
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	406,044.90	6,761.21
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	462,597.12	7,329.91
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	516,870.93	7,898.61
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	805,795.58	8,467.31
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	876,784.15	9,036.01
23 52 39 13-0071		125 PSI Water Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	88,985.08	1,516.53
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	99,864.60	1,642.91
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,274.05	1,895.66
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,315.64	2,022.04
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,526.44	2,148.42
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,061.44	2,211.61
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	140,045.24	2,274.80
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,240.63	2,527.55
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,786.21	2,780.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,216.77	3,064.66
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	180,362.28	3,349.01
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	218,349.71	3,917.70
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,233.62	4,486.41
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	274,005.20	5,055.11
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	305,720.76	5,623.81
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	370,508.80	6,192.51
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	433,721.12	6,761.21
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	494,239.84	7,329.91
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	552,311.87	7,898.61
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	862,173.58	8,467.31
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	938,176.61	9,036.01
23 52 39 13-0094		**125 PSI Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	82,418.89	1,516.53
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	92,474.20	1,642.91
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,623.50	1,895.66
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	110,895.82	2,022.04
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	118,158.78	2,148.42
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	125,174.57	2,211.61
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,851.43	2,274.80
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	150,381.43	2,527.55
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,937.31	2,780.31
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	174,378.17	3,064.66
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	180,530.55	3,349.01
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	218,552.33	3,917.70
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	254,470.57	4,486.41
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	274,259.34	5,055.11
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	306,005.80	5,623.81
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	370,855.65	6,192.51
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	434,129.79	6,761.21
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	494,706.89	7,329.91
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	552,833.87	7,898.61
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	863,001.06	8,467.31
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	939,078.41	9,036.01
23 52 39 13-0116		**125 PSI Gas/Oil Fired Water Scotch Marine Boilers** *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	91,856.07	1,516.53
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	103,092.75	1,642.91
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,412.26	1,895.66
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,230.62	2,022.04
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	127,043.06	2,148.42
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	134,608.32	2,211.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	142,174.44	2,274.80
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	156,226.44	2,527.55
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	170,304.32	2,780.31
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,133.24	3,064.66
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	187,495.11	3,349.01
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	227,007.33	3,917.70
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	264,326.73	4,486.41
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	284,843.54	5,055.11
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	317,819.45	5,623.81
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	385,279.29	6,192.51
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	451,091.30	6,761.21
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	514,099.82	7,329.91
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	574,551.75	7,898.61
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	897,552.28	8,467.31
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	976,696.77	9,036.01

23 52 39 13-0138 150 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0139 150 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*

23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,346.91	1,516.53
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,251.76	1,642.91
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,051.22	1,895.66
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,603.01	2,022.04
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,299.97	2,148.42
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,266.19	2,211.61
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	139,705.25	2,274.80
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,019.09	2,527.55
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,676.25	2,780.31
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	197,061.06	3,064.66
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	214,443.28	3,349.01
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	225,678.29	3,917.70
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	274,835.38	4,486.41
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,240.17	5,055.11
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	350,447.78	5,623.81
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	426,489.69	6,192.51
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	499,554.73	6,761.21
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	569,510.64	7,329.91
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	636,614.61	7,898.61
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	996,275.70	8,467.31
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,084,190.55	9,036.01

23 52 39 13-0161 150 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	95,644.00	1,516.53
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,882.62	1,642.91
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,043.51	1,895.66
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	117,880.98	2,022.04
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	122,709.10	2,148.42
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	127,290.04	2,211.61
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,518.31	2,274.80
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	158,166.76	2,527.55
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	179,844.53	2,780.31
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	197,246.51	3,064.66
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	214,645.90	3,349.01
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	225,887.78	3,917.70
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	275,092.95	4,486.41
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	297,518.34	5,055.11
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	350,777.47	5,623.81
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	426,891.50	6,192.51
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	500,028.65	6,761.21
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	570,049.81	7,329.91
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	637,219.03	7,898.61
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	997,236.96	8,467.31
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,085,241.01	9,036.01
23 52 39 13-0183		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,715.86	1,516.53
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	115,909.19	1,642.91
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	121,594.67	1,895.66
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	126,782.43	2,022.04
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	131,960.83	2,148.42
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,895.50	2,211.61
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,827.59	2,274.80
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	164,338.02	2,527.55
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	186,874.33	2,780.31
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	204,952.86	3,064.66
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	223,032.21	3,349.01
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	234,648.42	3,917.70
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	285,807.65	4,486.41
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	309,070.99	5,055.11
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	364,455.89	5,623.81
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	443,650.39	6,192.51
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	519,734.09	6,761.21
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	592,581.59	7,329.91
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	662,453.54	7,898.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,037,377.42	8,467.31
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,128,949.06	9,036.01

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001 Boiler Feed System *(23 53 16)*

23 53 16 00-0002 Low Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,432.89	1,496.15
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,045.88	1,762.63
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,632.75	1,824.38
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,909.91	1,891.32
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,431.11	2,021.31
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,936.01	2,190.29
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,833.47	2,339.78
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	19,294.87	2,664.74
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	21,222.81	2,859.73
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,861.38	3,054.71

23 53 16 00-0013 High Pressure Boiler Feed System *(23 53 16 00-0001)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,200.61	1,275.57
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,651.39	1,496.15
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,868.37	1,762.63
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,814.99	1,824.38
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	13,043.28	1,891.32
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,708.44	2,021.31
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,377.41	2,190.29
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,917.66	2,339.78
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	22,999.13	2,505.65
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	24,744.62	2,664.74
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	26,470.82	2,859.73
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	28,556.20	3,054.71

23 53 16 00-0026 Boiler Feedwater System *(23 53 16)*

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	12,769.00	1,762.63
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	16,611.68	2,019.36
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	21,880.15	2,311.18
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	26,307.55	2,666.05
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	27,923.98	2,859.73
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	29,464.49	3,054.71
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	32,814.26	3,509.80
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	42,376.98	4,029.88
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	54,948.04	4,656.43
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	69,507.95	5,345.10
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	88,989.43	6,149.72

23 53 16 00-0038 Duplex Vacuum Condensate Pumps *(23 53 16)*

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	35,062.55	1,039.90
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,854.60	1,104.90
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	36,767.03	1,169.89
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	35,506.97	1,234.89
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	48,221.88	1,299.88
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	50,759.36	1,364.87

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 13		**Electric-Resistance Furnaces** *(23 54)*		
23 54 13 00-0001		Down Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,396.24	122.72
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,848.37	153.40
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,397.49	184.09
23 54 13 00-0005		Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,396.24	122.72
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,673.84	138.06
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,828.16	153.40
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,909.73	168.75
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,397.49	184.09
23 54 13 00-0011		Heating Coil For Air Handler/Electric Furnace *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	224.13	28.25
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	257.66	31.08
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	279.06	33.90
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	391.41	36.72
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	422.92	39.55
23 54 16		**Fuel-Fired Furnaces** *(23 54)*		
23 54 16 13		**Gas-Fired Furnaces** *(23 54 16)*		
23 54 16 13-0001		Natural Gas Fired Forced Air Furnaces *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,232.17	107.38
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,374.36	122.72
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,740.87	138.06
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,201.08	168.75
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,414.00	184.09
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,490.83	107.38
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,726.00	122.72
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,887.93	138.06
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,253.12	153.40
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,405.20	168.75
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,587.80	184.09
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,187.61	107.38
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,511.70	122.72
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,715.26	153.40
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,897.87	168.75
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,886.92	107.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	3,037.21	122.72
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,381.50	138.06
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,686.10	168.75
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,949.54	184.09
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,985.60	107.38
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,089.41	122.72
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,330.63	138.06
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,350.84	138.06
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,563.77	153.40
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,699.90	168.75
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,860.29	184.09
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,365.19	107.38
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,491.23	122.72
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,706.17	138.06
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,708.19	138.06
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,874.64	153.40
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,919.83	168.75
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,134.77	184.09
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,385.40	107.38
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,497.29	122.72
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,797.11	138.06
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,977.71	153.40
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,390.99	92.04
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,755.85	115.11
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	2,158.59	92.04
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,306.48	99.77
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,282.59	107.38
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,349.75	115.11
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,434.78	115.11
23 54 16 13-0055		Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,042.62	239.31
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,380.48	294.54
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,809.32	423.39
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,296.13	478.61
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,009.12	552.26
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,487.19	662.70
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,219.90	883.61
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,416.85	239.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,749.12	294.54
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,315.74	423.39
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,893.78	478.61
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,040.58	552.26
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,606.16	662.70
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	7,277.42	883.61

23 54 16 16 Oil-Fired Furnaces *(23 54 16)*

23 54 16 16-0001 Oil Fired Forced Air Furnaces *(23 54 16 16)*
Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

23 54 16 16-0002 Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,869.82	122.72
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	4,098.36	168.75
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,728.33	199.43

23 54 16 16-0006 Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	4,474.25	168.75
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,499.97	199.43

23 54 16 16-0009 Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*

23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,859.90	168.75
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,582.83	199.43

23 54 19 Furnace Accessories *(23 54)*

23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	218.10	30.68
23 54 19 00-0002	EA	1" Furnace External Filter Rack	66.70	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	568.16	

23 55 Fuel-Fired Heaters *(23 50)*

23 55 23 Gas-Fired Radiant Heaters *(23 55)*

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters *(23 55 23)*

23 55 23 13-0001 Infrared Heaters-Radiant Energy *(23 55 23 13)*
Note: For spot localized or total heating, ceiling hung units, no fan required.

23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)*
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.

23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,132.33	129.99
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,248.61	142.98
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,336.85	142.98
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,677.75	171.59
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,692.62	171.59

23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)*
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,251.10	134.99
		For Stainless Steel Housing, Add	*210.51*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,341.78	134.99
		For Stainless Steel Housing, Add	*233.18*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,445.41	134.99
		For Stainless Steel Housing, Add	*259.08*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,570.00	134.99
		For Stainless Steel Housing, Add	*290.23*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,717.01	147.26
		For Stainless Steel Housing, Add	*323.40*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,835.32	159.54
		For Stainless Steel Housing, Add	*348.28*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,979.05	171.82
		For Stainless Steel Housing, Add	*621.92*	

23 55 23 13-0016 Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)*
Note: Per Tube Length. Includes controls and supports.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0017		"U" Package *(23 55 23 13-0016)*		
23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	106.14	6.50
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	122.42	7.80
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	149.78	9.10
23 55 23 13-0021		"S" Straight Package *(23 55 23 13-0016)*		
23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	86.21	5.20
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	109.86	6.50
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	133.50	7.80
23 55 33		**Fuel-Fired Unit Heaters** *(23 55)*		
23 55 33 13		**Oil-Fired Unit Heaters** *(23 55 33)*		
23 55 33 13-0001		Oil Fired Unit Heater *(23 55 33 13)*		
23 55 33 13-0002		Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 13-0001)*		
23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,426.64	598.52
		For 3 Phase, 460 Volt, Add	*674.62*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,904.83	658.37
		For 3 Phase, 460 Volt, Add	*720.88*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,424.08	718.22
		For 3 Phase, 460 Volt, Add	*772.37*	
23 55 33 16		**Gas-Fired Unit Heaters** *(23 55 33)*		
23 55 33 16-0001		Gas Fired Unit Heaters *(23 55 33 16)*		
23 55 33 16-0002		Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase *(23 55 33 16-0001)*		
		Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,921.70	224.44
		For 90 Percent Efficiency, Add	*828.40*	
		For Stainless Steel Heat Exchanger, Add	*216.37*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.35*	
		For 60 Degree, Downward Air Deflection Hood, Add	*95.20*	
		For 90 Degree, Downward Air Deflection Hood, Add	*142.19*	
		For 3 Phase, 460 Volt, Add	*319.00*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,181.41	269.34
		For 90 Percent Efficiency, Add	*885.33*	
		For Stainless Steel Heat Exchanger, Add	*231.24*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.43*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.75*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.96*	
		For 3 Phase, 460 Volt, Add	*340.92*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,233.21	269.34
		For Blower Unit Model, Add	*255.99*	
		For 90 Percent Efficiency, Add	*902.69*	
		For Stainless Steel Heat Exchanger, Add	*235.78*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.67*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.74*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.94*	
		For 3 Phase, 460 Volt, Add	*347.60*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,517.86	314.22
		For Blower Unit Model, Add	*274.50*	
		For 90 Percent Efficiency, Add	*967.96*	
		For Stainless Steel Heat Exchanger, Add	*252.83*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.35*	
		For 60 Degree, Downward Air Deflection Hood, Add	*111.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*166.14*	
		For 3 Phase, 460 Volt, Add	*372.74*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,860.47	359.12
		For Blower Unit Model, Add	*298.52*	
		For 90 Percent Efficiency, Add	*1,052.67*	
		For Stainless Steel Heat Exchanger, Add	*274.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.42*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.98*	
		For 90 Degree, Downward Air Deflection Hood, Add	*180.68*	
		For 3 Phase, 460 Volt, Add	*405.36*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,145.78	381.55
		For Blower Unit Model, Add	*321.36*	
		For 90 Percent Efficiency, Add	*1,133.22*	
		For Stainless Steel Heat Exchanger, Add	*295.99*	
		For 30 Degree, Downward Air Deflection Hood, Add	*81.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*130.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*194.51*	
		For 3 Phase, 460 Volt, Add	*436.37*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,276.38	381.55
		For Blower Unit Model, Add	*333.77*	
		For 90 Percent Efficiency, Add	*1,176.97*	
		For Stainless Steel Heat Exchanger, Add	*307.42*	
		For 30 Degree, Downward Air Deflection Hood, Add	*84.32*	
		For 60 Degree, Downward Air Deflection Hood, Add	*135.26*	
		For 90 Degree, Downward Air Deflection Hood, Add	*202.02*	
		For 3 Phase, 460 Volt, Add	*453.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,395.64	381.55
		For Blower Unit Model, Add	*345.10*	
		For 90 Percent Efficiency, Add	*1,216.92*	
		For Stainless Steel Heat Exchanger, Add	*317.85*	
		For 30 Degree, Downward Air Deflection Hood, Add	*87.18*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.86*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.88*	
		For 3 Phase, 460 Volt, Add	*468.61*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,986.63	404.00
		For Blower Unit Model, Add	*396.98*	
		For 90 Percent Efficiency, Add	*1,399.86*	
		For Stainless Steel Heat Exchanger, Add	*365.64*	
		For 30 Degree, Downward Air Deflection Hood, Add	*100.29*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.88*	
		For 90 Degree, Downward Air Deflection Hood, Add	*240.27*	
		For 3 Phase, 460 Volt, Add	*539.05*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,496.53	404.00
		For Blower Unit Model, Add	*445.42*	
		For 90 Percent Efficiency, Add	*1,570.68*	
		For Stainless Steel Heat Exchanger, Add	*410.25*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.53*	
		For 60 Degree, Downward Air Deflection Hood, Add	*180.51*	
		For 90 Degree, Downward Air Deflection Hood, Add	*269.59*	
		For 3 Phase, 460 Volt, Add	*604.83*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,919.37	404.00
		For Blower Unit Model, Add	*485.59*	
		For 90 Percent Efficiency, Add	*1,712.33*	
		For Stainless Steel Heat Exchanger, Add	*447.25*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.67*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*293.91*	
		For 3 Phase, 460 Volt, Add	*659.37*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,099.57	448.89
		For Blower Unit Model, Add	*589.16*	
		For 90 Percent Efficiency, Add	*2,077.57*	
		For Stainless Steel Heat Exchanger, Add	*542.65*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*238.77*	
		For 90 Degree, Downward Air Deflection Hood, Add	*356.60*	
		For 3 Phase, 460 Volt, Add	*800.02*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,057.19	448.89
		For Blower Unit Model, Add	*680.14*	
		For 90 Percent Efficiency, Add	*2,398.37*	
		For Stainless Steel Heat Exchanger, Add	*626.44*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.82*	
		For 60 Degree, Downward Air Deflection Hood, Add	*275.63*	
		For 90 Degree, Downward Air Deflection Hood, Add	*411.66*	
		For 3 Phase, 460 Volt, Add	*923.55*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,636.05	493.78
		For Blower Unit Model, Add	*726.61*	
		For 90 Percent Efficiency, Add	*2,562.24*	
		For Stainless Steel Heat Exchanger, Add	*669.24*	
		For 30 Degree, Downward Air Deflection Hood, Add	*183.56*	
		For 60 Degree, Downward Air Deflection Hood, Add	*294.47*	
		For 90 Degree, Downward Air Deflection Hood, Add	*439.79*	
		For 3 Phase, 460 Volt, Add	*986.66*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	747.43
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	1,007.40

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	23,363.51	2,079.80
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	31,532.66	2,209.79
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	42,529.36	2,746.23

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,720.03	324.97
		For Bronze Head And Tube Sheet, Add	*1,029.03*	
		For Copper Nickel Tubes, Add	*228.67*	
		For Double Wall Tube Bundles, Add	*343.01*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,982.73	324.97
		For Bronze Head And Tube Sheet, Add	*1,558.25*	
		For Copper Nickel Tubes, Add	*346.28*	
		For Double Wall Tube Bundles, Add	*519.42*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,007.42	454.96
		For Bronze Head And Tube Sheet, Add	*2,410.87*	
		For Copper Nickel Tubes, Add	*535.75*	
		For Double Wall Tube Bundles, Add	*803.62*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,466.79	454.96
		For Bronze Head And Tube Sheet, Add	*3,675.11*	
		For Copper Nickel Tubes, Add	*816.69*	
		For Double Wall Tube Bundles, Add	*1,225.04*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,470.49	535.55
		For Bronze Head And Tube Sheet, Add	*4,880.54*	
		For Copper Nickel Tubes, Add	*1,084.57*	
		For Double Wall Tube Bundles, Add	*1,626.85*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	16,404.70	680.81
		For Bronze Head And Tube Sheet, Add	*6,409.39*	
		For Copper Nickel Tubes, Add	*1,424.31*	
		For Double Wall Tube Bundles, Add	*2,136.46*	
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	20,254.61	1,021.85
		For Bronze Head And Tube Sheet, Add	*7,850.03*	
		For Copper Nickel Tubes, Add	*1,744.45*	
		For Double Wall Tube Bundles, Add	*2,616.68*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,692.09	1,021.85
		For Bronze Head And Tube Sheet, Add	*12,230.76*	
		For Copper Nickel Tubes, Add	*2,717.95*	
		For Double Wall Tube Bundles, Add	*4,076.92*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,289.87	324.97
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,710.34	324.97
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,615.85	389.97
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,344.31	422.46
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,320.88	422.46
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,759.56	454.96
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,558.57	454.96
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	19,239.61	519.96
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	23,542.13	584.94
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	24,429.92	584.94
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	30,258.25	689.75
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	36,524.32	758.60
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	42,168.78	827.45

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,242.72	324.97
		For Copper Nickel Tubes, Add	*280.94*	
		For Double Wall Tube Bundles, Add	*421.41*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,505.41	324.97
		For Copper Nickel Tubes, Add	*398.55*	
		For Double Wall Tube Bundles, Add	*597.82*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,726.11	454.96
		For Copper Nickel Tubes, Add	*607.62*	
		For Double Wall Tube Bundles, Add	*911.43*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,621.50	454.96
		For Copper Nickel Tubes, Add	*875.49*	
		For Double Wall Tube Bundles, Add	*1,313.24*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,910.64	519.96
		For Copper Nickel Tubes, Add	*1,078.03*	
		For Double Wall Tube Bundles, Add	*1,617.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,872.72	519.96
		For Copper Nickel Tubes, Add	*1,450.44*	
		For Double Wall Tube Bundles, Add	*2,175.66*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,685.53	510.93
		For Copper Nickel Tubes, Add	*1,803.25*	
		For Double Wall Tube Bundles, Add	*2,704.88*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	24,482.55	510.93
		For Copper Nickel Tubes, Add	*2,247.53*	
		For Double Wall Tube Bundles, Add	*3,371.30*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	31,302.14	510.93
		For Copper Nickel Tubes, Add	*2,874.75*	
		For Double Wall Tube Bundles, Add	*4,312.13*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,664.80	259.98
		For Copper Nickel Tubes, Add	*314.48*	
		For Double Wall Tube Bundles, Add	*471.73*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,760.71	433.25
		For Copper Nickel Tubes, Add	*889.41*	
		For Double Wall Tube Bundles, Add	*1,334.12*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,152.03	565.19
		For Copper Nickel Tubes, Add	*1,202.37*	
		For Double Wall Tube Bundles, Add	*1,803.55*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	14,109.66	684.12
		For Copper Nickel Tubes, Add	*1,274.42*	
		For Double Wall Tube Bundles, Add	*1,911.64*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	17,025.42	811.48
		For Copper Nickel Tubes, Add	*1,537.63*	
		For Double Wall Tube Bundles, Add	*2,306.45*	

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	940.69	123.23
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,132.20	123.23
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,544.92	153.98
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,939.91	153.98
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,179.30	153.98
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,205.58	160.20
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,219.54	160.20
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,439.70	172.52
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,623.94	184.85
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,864.02	197.17
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,274.97	197.17
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,682.63	209.49
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,755.18	221.82
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,815.35	227.92
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,282.59	1,193.15
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,197.64	1,363.53
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,112.87	1,534.04
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	14,879.49	1,661.77
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	18,646.50	1,789.72
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	22,375.81	2,147.66
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	27,073.65	2,308.32
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	31,593.11	2,440.53
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	41,638.45	2,753.45
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	49,327.89	2,825.65
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	62,069.60	2,897.75
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	65,245.96	2,933.91
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	68,287.93	2,969.95
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	73,979.70	3,042.06
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	79,142.01	3,114.38
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	84,480.95	3,495.48
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	88,586.10	3,573.71
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	92,114.26	3,619.20
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	95,210.70	3,731.17
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	97,728.00	3,809.40
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	100,283.68	3,913.80
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	102,744.76	3,955.88
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	105,242.24	4,021.34
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	108,063.38	4,292.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	110,819.86	4,523.94

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,626.87	123.23
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,685.62	123.23
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,805.99	153.98
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,864.70	153.98
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,894.08	153.98
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,953.39	160.20
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,018.01	160.20
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,166.01	172.52
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,308.15	184.85
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,508.99	197.17
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,626.49	197.17
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,827.34	209.49
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,380.68	221.82
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,716.05	227.92

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	4,523.23	613.62
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	8,870.01	767.02
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,039.42	933.78
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	19,233.77	1,073.83
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	21,237.12	1,193.15
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	23,532.98	1,342.29
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	30,570.82	1,534.04
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,607.09	1,534.04
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	48,987.45	1,789.72
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	55,215.10	1,917.56
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	58,350.23	2,009.57
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	59,957.55	2,108.85
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	61,693.71	2,117.02
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	64,809.79	2,216.65
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	67,963.21	2,308.32

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,634.99	196.94
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,714.04	209.61
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,755.43	221.70
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,789.58	228.04
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,216.68	287.92
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	4,230.74	431.88
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,839.84	503.86
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,421.55	575.84
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,552.63	691.01
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,729.31	777.38
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	9,069.92	863.77
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	12,788.10	1,151.68
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	14,405.18	1,439.60
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	15,386.29	1,727.52

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	69,751.13	2,933.91
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	71,912.62	2,969.95
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	76,603.41	3,042.06
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	81,242.19	3,114.38
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	87,387.68	3,495.48
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	92,829.53	3,573.71
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	98,172.32	3,619.20
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	103,658.57	3,731.17
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	109,103.41	3,809.40
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	116,781.24	3,913.80
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	122,151.33	3,955.88
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	124,625.69	4,021.34
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	140,043.97	4,292.55
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	155,300.96	4,523.94

23 62 Packaged Compressor and Condenser Units *(23 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,823.14	1,064.15
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	17,312.53	1,140.16
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	30,378.61	1,216.17
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,981.46	1,292.19
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	42,681.85	1,368.20
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,302.33	1,520.22
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	48,658.20	1,690.73
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	52,450.37	2,001.52
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	55,967.03	2,168.31
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	64,140.23	2,335.10
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	72,513.07	2,585.29
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	76,638.70	2,687.25
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	86,524.37	2,855.20
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	94,570.89	3,023.16

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,468.70	1,064.15
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,295.16	1,140.16
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,852.14	1,216.17
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,760.67	1,292.19
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,669.21	1,368.20
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,790.54	1,520.22
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	37,124.70	1,690.73
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	47,703.64	2,001.52
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	53,499.48	2,168.31
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	57,901.37	2,335.10
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	66,584.78	2,585.29
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	70,522.37	2,687.25
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	77,357.54	2,855.20
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	88,209.15	3,023.16

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*

Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	56,300.58	9,724.79
		For Gas Fired Engine Driven, Add	*9,802.14*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	63,739.80	10,250.44
		For Gas Fired Engine Driven, Add	*11,211.17*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	74,165.54	11,154.79
		For Gas Fired Engine Driven, Add	*13,160.72*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	83,071.21	11,852.03
		For Gas Fired Engine Driven, Add	*14,837.33*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	104,258.15	13,078.09
		For Gas Fired Engine Driven, Add	*18,890.90*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	115,237.45	13,545.10
		For Gas Fired Engine Driven, Add	*21,016.73*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	125,264.65	14,587.06
		For Gas Fired Engine Driven, Add	*22,865.96*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	152,784.70	15,607.65
		For Gas Fired Engine Driven, Add	*28,187.72*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	154,612.27	15,912.53
		For Gas Fired Engine Driven, Add	*28,536.76*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	157,312.32	16,604.45
		For Gas Fired Engine Driven, Add	*28,973.04*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	174,836.58	17,359.22
		For Gas Fired Engine Driven, Add	*32,364.74*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	193,711.49	18,185.89
		For Gas Fired Engine Driven, Add	*36,015.79*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	215,061.75	19,095.12
		For Gas Fired Engine Driven, Add	*40,149.51*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	232,692.47	20,100.17
		For Gas Fired Engine Driven, Add	*43,524.98*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	257,040.98	21,216.80
		For Gas Fired Engine Driven, Add	*48,227.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 23		**Packaged Water-Cooled Refrigerant Compressor and Condenser Units** *(23 62)*		
23 62 23 00-0001		Water Cooled Condensing Units *(23 62 23)*		
		Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.		
23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,645.65	831.94
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	13,114.36	1,214.99
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	15,017.06	1,316.75
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,622.99	1,580.09
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	20,113.12	1,859.00
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	42,680.63	2,772.30
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	52,972.14	3,345.92
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	73,279.20	3,660.95
23 63		**Refrigerant Condensers** *(23 60)*		
23 63 13		**Air-Cooled Refrigerant Condensers** *(23 63)*		
23 63 13 00-0001		Air-Cooled Condensing Units *(23 63 13)*		
		Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.		
23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,693.39	831.94
		For >10 To 25, Deduct	*-193.00*	
		For >25 To 50, Deduct	*-321.67*	
		For >50, Deduct	*-514.67*	
		For Low Ambient Protection, 0 Degree F, Add	*1,151.35*	
		For Winter Start Control, Add	*383.34*	
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	9,216.31	987.56
		For >10 To 25, Deduct	*-231.60*	
		For >25 To 50, Deduct	*-386.00*	
		For >50, Deduct	*-617.60*	
		For Low Ambient Protection, 0 Degree F, Add	*991.67*	
		For Winter Start Control, Add	*304.03*	
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,996.78	1,214.99
		For >10 To 25, Deduct	*-304.66*	
		For >25 To 50, Deduct	*-507.76*	
		For >50, Deduct	*-812.42*	
		For Low Ambient Protection, 0 Degree F, Add	*1,171.26*	
		For Winter Start Control, Add	*387.26*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,894.22	1,264.08
		For >10 To 25, Deduct	*-389.37*	
		For >25 To 50, Deduct	*-648.95*	
		For >50, Deduct	*-1,038.32*	
		For Low Ambient Protection, 0 Degree F, Add	*1,387.34*	
		For Winter Start Control, Add	*451.11*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,797.78	1,316.75
		For >10 To 25, Deduct	*-474.08*	
		For >25 To 50, Deduct	*-790.14*	
		For >50, Deduct	*-1,264.22*	
		For Low Ambient Protection, 0 Degree F, Add	*1,446.93*	
		For Winter Start Control, Add	*357.53*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	22,963.52	1,580.09
		For >10 To 25, Deduct	*-617.08*	
		For >25 To 50, Deduct	*-1,028.47*	
		For >50, Deduct	*-1,645.56*	
		For Low Ambient Protection, 0 Degree F, Add	*1,832.69*	
		For Winter Start Control, Add	*445.10*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	26,147.72	1,699.79
		For >10 To 25, Deduct	*-707.24*	
		For >25 To 50, Deduct	*-1,178.73*	
		For >50, Deduct	*-1,885.96*	
		For Low Ambient Protection, 0 Degree F, Add	*1,939.89*	
		For Winter Start Control, Add	*493.06*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	30,008.71	1,855.41
		For >10 To 25, Deduct	*-816.04*	
		For >25 To 50, Deduct	*-1,360.07*	
		For >50, Deduct	*-2,176.11*	
		For Low Ambient Protection, 0 Degree F, Add	*2,061.90*	
		For Winter Start Control, Add	*552.75*	
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	41,353.37	2,205.24
		For >10 To 25, Deduct	*-1,138.57*	
		For >25 To 50, Deduct	*-1,897.62*	
		For >50, Deduct	*-3,036.20*	
		For Low Ambient Protection, 0 Degree F, Add	*2,747.85*	
		For Winter Start Control, Add	*719.62*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	50,194.02	2,772.30
		For >10 To 25, Deduct	*-1,377.56*	
		For >25 To 50, Deduct	*-2,295.93*	
		For >50, Deduct	*-3,673.48*	
		For Low Ambient Protection, 0 Degree F, Add	*2,905.61*	
		For Winter Start Control, Add	*657.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	57,877.88	3,059.76
		For >10 To 25, Deduct	*-1,598.51*	
		For >25 To 50, Deduct	*-2,664.18*	
		For >50, Deduct	*-4,262.69*	
		For Low Ambient Protection, 0 Degree F, Add	*3,279.90*	
		For Winter Start Control, Add	*725.84*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	75,106.50	3,345.92
		For >10 To 25, Deduct	*-2,098.39*	
		For >25 To 50, Deduct	*-3,497.32*	
		For >50, Deduct	*-5,595.72*	
		For Low Ambient Protection, 0 Degree F, Add	*4,087.87*	
		For Winter Start Control, Add	*865.74*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	103,798.82	3,012.64
		For >10 To 25, Deduct	*-2,929.98*	
		For >25 To 50, Deduct	*-4,883.30*	
		For >50, Deduct	*-7,813.28*	
		For Low Ambient Protection, 0 Degree F, Add	*4,463.19*	
		For Winter Start Control, Add	*1,101.61*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	128,099.38	3,114.76
		For >10 To 25, Deduct	*-3,652.76*	
		For >25 To 50, Deduct	*-6,087.93*	
		For >50, Deduct	*-9,740.69*	
		For Low Ambient Protection, 0 Degree F, Add	*5,237.94*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit	2,679.54	399.10
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-62.43*	
		For >25 To 50, Deduct	*-104.05*	
		For >50, Deduct	*-166.47*	
		For 15 SEER, Add	*499.42*	
		For 16 SEER, Add	*853.17*	
		For 18 SEER, Add	*1,789.57*	
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit	2,878.63	443.65
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-66.40*	
		For >25 To 50, Deduct	*-110.67*	
		For >50, Deduct	*-177.08*	
		For 15 SEER, Add	*531.24*	
		For 16 SEER, Add	*907.53*	
		For 18 SEER, Add	*1,903.59*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,050.77	488.02
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-69.57*	
		For >25 To 50, Deduct	*-115.96*	
		For >50, Deduct	*-185.53*	
		For 15 SEER, Add	*556.58*	
		For 16 SEER, Add	*950.83*	
		For 18 SEER, Add	*1,994.43*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit	3,510.54	532.12
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-81.37*	
		For >25 To 50, Deduct	*-135.62*	
		For >50, Deduct	*-216.99*	
		For 15 SEER, Add	*650.97*	
		For 16 SEER, Add	*1,112.07*	
		For 18 SEER, Add	*2,332.63*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,714.13	576.75
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-85.48*	
		For >25 To 50, Deduct	*-142.47*	
		For >50, Deduct	*-227.96*	
		For 15 SEER, Add	*683.87*	
		For 16 SEER, Add	*1,168.27*	
		For 18 SEER, Add	*2,450.52*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	4,144.69	621.12
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-96.40*	
		For >25 To 50, Deduct	*-160.67*	
		For >50, Deduct	*-257.08*	
		For 15 SEER, Add	*771.24*	
		For 16 SEER, Add	*1,317.53*	
		For 18 SEER, Add	*2,763.59*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,686.39	665.15
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-110.66*	
		For >25 To 50, Deduct	*-184.43*	
		For >50, Deduct	*-295.09*	
		For 15 SEER, Add	*885.28*	
		For 16 SEER, Add	*1,512.35*	
		For 18 SEER, Add	*3,172.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0024		Removal And Reinstallation Of AC Condensing Unit *(23 63 13)* Note: Includes storage and cleaning.		
23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	409.08	
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,534.04	
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,514.79	

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001		Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)* Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.		
23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	222,308.56	13,267.62
		For Two Stage Unit, Add	*145,001.89*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	280,526.74	15,268.46
		For Two Stage Unit, Add	*184,153.95*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	355,297.66	16,413.60
		For Two Stage Unit, Add	*235,577.49*	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	394,568.49	17,558.73
		For Two Stage Unit, Add	*262,150.96*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	440,456.14	18,067.68
		For Two Stage Unit, Add	*293,865.15*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	495,966.67	18,703.86
		For Two Stage Unit, Add	*332,213.57*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	531,754.23	19,340.05
		For Two Stage Unit, Add	*356,755.92*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	632,404.84	20,357.95
		For Two Stage Unit, Add	*426,397.03*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	707,638.34	20,994.13
		For Two Stage Unit, Add	*478,551.53*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	856,832.95	21,630.32
		For Two Stage Unit, Add	*582,478.81*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	928,916.99	23,157.16
		For Two Stage Unit, Add	*631,716.17*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	995,815.86	24,556.78
		For Two Stage Unit, Add	*677,425.68*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,067,706.42	25,986.87
		For Two Stage Unit, Add	*726,605.00*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,221,953.83	26,620.69
		For Two Stage Unit, Add	*834,020.41*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,338,276.45	28,141.88
		For Two Stage Unit, Add	*914,280.02*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,562,695.14	29,409.52
		For Two Stage Unit, Add	*1,070,358.97*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,826,292.17	30,296.88
		For Two Stage Unit, Add	*1,254,167.02*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 13-0001		Magnetic Bearing, Air-Cooled Centrifugal Chillers *(23 64 16 13)* Note: SMARDT air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.		
23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	252,986.22	7,049.53
		For 5 Year Parts Only Compressor Warranty, Add	*4,000.00*	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	359,045.26	9,453.09
		For 5 Year Parts Only Compressor Warranty, Add	*8,000.00*	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	448,927.75	9,997.41
		For 5 Year Parts Only Compressor Warranty, Add	*12,000.00*	

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001		Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)* Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	169,123.97	7,259.51
		For 208/230 Voltage Motor Rating, Add	*6,298.51*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	184,858.87	7,443.38
		For 208/230 Voltage Motor Rating, Add	*6,915.94*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	203,874.99	7,632.58
		For 208/230 Voltage Motor Rating, Add	*7,664.58*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	222,439.00	7,938.59
		For 208/230 Voltage Motor Rating, Add	*8,387.48*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	240,588.12	8,386.83
		For 208/230 Voltage Motor Rating, Add	*9,084.64*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	258,073.94	8,822.88
		For 208/230 Voltage Motor Rating, Add	*9,756.06*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	274,991.19	9,306.63
		For 208/230 Voltage Motor Rating, Add	*10,401.67*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	291,227.02	9,765.58
		For 208/230 Voltage Motor Rating, Add	*11,021.61*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	306,752.53	10,184.06
		For 208/230 Voltage Motor Rating, Add	*11,615.74*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	321,493.09	10,514.49
		For 208/230 Voltage Motor Rating, Add	*12,184.13*	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	335,896.00	11,035.41
		For 208/230 Voltage Motor Rating, Add	*12,726.78*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	349,502.78	11,461.14
		For 208/230 Voltage Motor Rating, Add	*13,243.69*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	362,457.14	11,881.40
		For 208/230 Voltage Motor Rating, Add	*13,734.86*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	374,615.88	12,206.88
		For 208/230 Voltage Motor Rating, Add	*14,200.30*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	396,650.58	12,639.74
		For 208/230 Voltage Motor Rating, Add	*15,053.87*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	415,857.42	12,914.57
		For 208/230 Voltage Motor Rating, Add	*15,804.49*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	433,072.51	13,552.92
		For 208/230 Voltage Motor Rating, Add	*16,452.08*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	447,729.11	14,200.94
		For 208/230 Voltage Motor Rating, Add	*16,996.71*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	459,920.12	14,913.85
		For 208/230 Voltage Motor Rating, Add	*17,438.53*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	488,511.16	15,633.37
		For 208/230 Voltage Motor Rating, Add	*18,535.94*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	516,900.36	16,350.62
		For 208/230 Voltage Motor Rating, Add	*19,625.43*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	545,198.50	17,136.68
		For 208/230 Voltage Motor Rating, Add	*20,706.85*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	573,420.51	18,002.15
		For 208/230 Voltage Motor Rating, Add	*21,780.12*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	600,991.25	18,789.39
		For 208/230 Voltage Motor Rating, Add	*22,845.24*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	652,088.52	21,680.15
		For 208/230 Voltage Motor Rating, Add	*24,705.38*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	701,272.54	24,579.14
		For 208/230 Voltage Motor Rating, Add	*26,488.45*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	747,650.87	26,927.46
		For 208/230 Voltage Motor Rating, Add	*28,194.30*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	790,664.43	28,373.35
		For 208/230 Voltage Motor Rating, Add	*29,822.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	831,667.02	29,771.95
		For 208/230 Voltage Motor Rating, Add	*31,374.13*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	869,906.84	30,634.96
		For 208/230 Voltage Motor Rating, Add	*32,848.87*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	908,235.76	32,772.23
		For 208/230 Voltage Motor Rating, Add	*34,246.16*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	943,778.19	34,370.87
		For 208/230 Voltage Motor Rating, Add	*35,566.23*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	978,145.80	36,445.00
		For 208/230 Voltage Motor Rating, Add	*36,809.09*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,009,359.13	37,746.62
		For 208/230 Voltage Motor Rating, Add	*37,974.88*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,074,871.48	39,883.25
		For 208/230 Voltage Motor Rating, Add	*40,551.75*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,133,344.35	42,276.20
		For 208/230 Voltage Motor Rating, Add	*42,646.35*	

23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	159,372.46	6,107.38
		For 5 Year Parts Only Compressor Warranty, Add	*4,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	200,649.63	7,098.56
		For 5 Year Parts Only Compressor Warranty, Add	*4,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	251,264.34	7,259.51
		For 5 Year Parts Only Compressor Warranty, Add	*8,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	327,171.90	8,386.83
		For 5 Year Parts Only Compressor Warranty, Add	*8,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	329,675.62	7,938.59
		For 5 Year Parts Only Compressor Warranty, Add	*12,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	494,541.51	10,514.49
		For 5 Year Parts Only Compressor Warranty, Add	*12,000.00*	
		For Marine Water Box Connections, Add	*4,714.92*	
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	438,160.99	9,765.58
		For 5 Year Parts Only Compressor Warranty, Add	*14,666.67*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	608,757.41	12,639.74
		For 5 Year Parts Only Compressor Warranty, Add	*14,666.67*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	545,299.57	11,035.41
		For 5 Year Parts Only Compressor Warranty, Add	*17,333.33*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	729,786.96	13,552.92
		For 5 Year Parts Only Compressor Warranty, Add	*17,333.33*	
		For Marine Water Box Connections, Add	*6,567.21*	
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	649,260.16	12,206.88
		For 5 Year Parts Only Compressor Warranty, Add	*20,000.00*	
		For Marine Water Box Connections, Add	*6,903.99*	
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	836,525.70	15,633.37
		For 5 Year Parts Only Compressor Warranty, Add	*20,000.00*	
		For Marine Water Box Connections, Add	*6,903.99*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	32,262.09	1,891.88
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	47,344.11	1,916.13
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	51,674.61	2,049.53
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	56,858.26	2,195.06
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	57,772.02	2,340.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	60,954.16	2,510.38
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	69,716.25	2,716.54
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	74,868.75	2,946.96
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	79,068.65	3,031.86
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	82,582.78	3,165.26
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	85,356.14	3,274.41
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	98,486.91	3,686.74
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	106,002.38	4,038.43
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	107,942.60	4,050.55
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	114,241.01	4,062.68
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	120,373.80	4,074.82
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	126,582.86	4,086.94
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	133,109.89	4,099.07

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,788.80	2,335.82
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,816.40	2,406.38
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	50,831.19	2,641.71
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	62,531.00	3,386.28
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	69,179.03	3,711.02
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	72,672.96	4,100.20

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	113,903.69	4,644.80
		For Aluminum Fins Instead Of Copper, Deduct	*-1,604.14*	
		For 208/230 Voltage Motor Rating, Add	*4,277.70*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	122,416.61	5,045.01
		For Aluminum Fins Instead Of Copper, Deduct	*-1,722.92*	
		For 208/230 Voltage Motor Rating, Add	*4,594.45*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	128,772.94	5,263.29
		For Aluminum Fins Instead Of Copper, Deduct	*-1,813.17*	
		For 208/230 Voltage Motor Rating, Add	*4,835.12*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	133,529.71	5,663.50
		For Aluminum Fins Instead Of Copper, Deduct	*-1,875.61*	
		For 208/230 Voltage Motor Rating, Add	*5,001.62*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	143,308.57	5,942.43
		For Aluminum Fins Instead Of Copper, Deduct	*-2,016.11*	
		For 208/230 Voltage Motor Rating, Add	*5,376.28*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	152,293.28	6,063.70
		For Aluminum Fins Instead Of Copper, Deduct	*-2,147.97*	
		For 208/230 Voltage Motor Rating, Add	*5,727.91*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	160,763.58	6,269.87
		For Aluminum Fins Instead Of Copper, Deduct	*-2,270.47*	
		For 208/230 Voltage Motor Rating, Add	*6,054.59*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	165,905.56	6,403.28
		For Aluminum Fins Instead Of Copper, Deduct	*-2,344.51*	
		For 208/230 Voltage Motor Rating, Add	*6,252.03*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	175,189.50	6,536.68
		For Aluminum Fins Instead Of Copper, Deduct	*-2,480.68*	
		For 208/230 Voltage Motor Rating, Add	*6,615.14*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	182,867.62	6,742.84
		For Aluminum Fins Instead Of Copper, Deduct	*-2,591.30*	
		For 208/230 Voltage Motor Rating, Add	*6,910.13*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	192,835.07	7,009.64
		For Aluminum Fins Instead Of Copper, Deduct	*-2,734.81*	
		For 208/230 Voltage Motor Rating, Add	*7,292.82*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	201,571.95	7,155.18
		For Aluminum Fins Instead Of Copper, Deduct	*-2,862.77*	
		For 208/230 Voltage Motor Rating, Add	*7,634.05*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	216,079.85	7,276.44
		For Aluminum Fins Instead Of Copper, Deduct	*-3,077.48*	
		For 208/230 Voltage Motor Rating, Add	*8,206.61*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	225,719.43	7,349.21
		For Aluminum Fins Instead Of Copper, Deduct	*-3,220.62*	
		For 208/230 Voltage Motor Rating, Add	*8,588.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	235,359.01	7,409.85
		For Aluminum Fins Instead Of Copper, Deduct	*-3,363.75*	
		For 208/230 Voltage Motor Rating, Add	*8,970.01*	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	264,205.01	7,555.38
		For Aluminum Fins Instead Of Copper, Deduct	*-3,793.17*	
		For 208/230 Voltage Motor Rating, Add	*10,115.12*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	278,725.02	7,700.91
		For Aluminum Fins Instead Of Copper, Deduct	*-4,007.88*	
		For 208/230 Voltage Motor Rating, Add	*10,687.67*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	298,004.20	7,822.19
		For Aluminum Fins Instead Of Copper, Deduct	*-4,294.15*	
		For 208/230 Voltage Motor Rating, Add	*11,451.08*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	326,825.93	7,955.59
		For Aluminum Fins Instead Of Copper, Deduct	*-4,723.57*	
		For 208/230 Voltage Motor Rating, Add	*12,596.19*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	356,305.28	8,052.60
		For Aluminum Fins Instead Of Copper, Deduct	*-5,163.40*	
		For 208/230 Voltage Motor Rating, Add	*13,769.06*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	75,145.65	5,725.67
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	81,539.10	5,948.34
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	87,094.30	6,107.38
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	91,936.86	6,365.04
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	96,741.72	6,539.99
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	102,593.05	6,723.60
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	138,325.38	6,911.53
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	143,599.43	7,098.56
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	147,549.84	7,274.27
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	149,056.55	7,638.05
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	148,016.41	8,006.40
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	156,591.32	8,177.78
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	170,157.24	8,356.68
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	180,773.83	8,739.16
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	190,817.55	9,092.87
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	202,505.98	9,453.09
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	222,307.64	10,290.94
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	238,532.82	11,319.02
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	251,200.00	12,451.43

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	20,487.81	2,013.15
		For Counter Flow Type, Add	*1,310.11*	
		For Stainless Steel Cooling Tower, Add	*13,974.46*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	28,208.43	2,461.86
		For Counter Flow Type, Add	*1,840.04*	
		For Stainless Steel Cooling Tower, Add	*19,627.06*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	35,394.18	3,092.49
		For Counter Flow Type, Add	*2,281.65*	
		For Stainless Steel Cooling Tower, Add	*24,337.55*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	40,808.30	3,456.31
		For Counter Flow Type, Add	*2,644.05*	
		For Stainless Steel Cooling Tower, Add	*28,203.15*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	46,633.41	3,892.90
		For Counter Flow Type, Add	*3,028.17*	
		For Stainless Steel Cooling Tower, Add	*32,300.53*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	52,432.26	4,365.87
		For Counter Flow Type, Add	*3,406.70*	
		For Stainless Steel Cooling Tower, Add	*36,338.10*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	58,840.40	4,863.09
		For Counter Flow Type, Add	*3,827.28*	
		For Stainless Steel Cooling Tower, Add	*40,824.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	64,321.05	5,481.59
		For Counter Flow Type, Add	*4,163.74*	
		For Stainless Steel Cooling Tower, Add	*44,413.23*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	70,088.62	6,087.97
		For Counter Flow Type, Add	*4,522.64*	
		For Stainless Steel Cooling Tower, Add	*48,241.44*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	76,806.16	7,203.69
		For Counter Flow Type, Add	*4,892.75*	
		For Stainless Steel Cooling Tower, Add	*52,189.28*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	83,488.22	7,979.84
		For Counter Flow Type, Add	*5,299.31*	
		For Stainless Steel Cooling Tower, Add	*56,525.93*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	87,978.61	8,489.19
		For Counter Flow Type, Add	*5,579.69*	
		For Stainless Steel Cooling Tower, Add	*59,516.72*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	93,232.37	8,986.41
		For Counter Flow Type, Add	*5,909.15*	
		For Stainless Steel Cooling Tower, Add	*63,030.90*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	98,328.48	9,423.01
		For Counter Flow Type, Add	*6,238.60*	
		For Stainless Steel Cooling Tower, Add	*66,545.07*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	104,160.17	9,859.59
		For Counter Flow Type, Add	*6,624.13*	
		For Stainless Steel Cooling Tower, Add	*70,657.41*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	110,348.56	10,393.20
		For Counter Flow Type, Add	*7,023.68*	
		For Stainless Steel Cooling Tower, Add	*74,919.29*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	117,365.97	10,926.80
		For Counter Flow Type, Add	*7,486.32*	
		For Stainless Steel Cooling Tower, Add	*79,854.09*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	124,180.79	11,387.64
		For Counter Flow Type, Add	*7,941.95*	
		For Stainless Steel Cooling Tower, Add	*84,714.12*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	131,007.73	11,848.49
		For Counter Flow Type, Add	*8,397.58*	
		For Stainless Steel Cooling Tower, Add	*89,574.15*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	143,946.10	12,345.70
		For Counter Flow Type, Add	*9,308.83*	
		For Stainless Steel Cooling Tower, Add	*99,294.22*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	158,006.02	12,830.81
		For Counter Flow Type, Add	*10,304.21*	
		For Stainless Steel Cooling Tower, Add	*109,911.53*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	163,710.77	13,097.61
		For Counter Flow Type, Add	*10,724.79*	
		For Stainless Steel Cooling Tower, Add	*114,397.71*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	170,537.06	13,267.39
		For Counter Flow Type, Add	*11,229.48*	
		For Stainless Steel Cooling Tower, Add	*119,781.14*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	178,520.49	13,946.52
		For Counter Flow Type, Add	*11,748.20*	
		For Stainless Steel Cooling Tower, Add	*125,314.10*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	187,812.36	14,625.67
		For Counter Flow Type, Add	*12,365.05*	
		For Stainless Steel Cooling Tower, Add	*131,893.83*	
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	197,201.27	15,365.44
		For Counter Flow Type, Add	*12,981.90*	
		For Stainless Steel Cooling Tower, Add	*138,473.57*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	208,085.57	16,105.21
		For Counter Flow Type, Add	*13,710.90*	
		For Stainless Steel Cooling Tower, Add	*146,249.62*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	219,326.58	16,954.13
		For Counter Flow Type, Add	*14,453.93*	
		For Stainless Steel Cooling Tower, Add	*154,175.22*	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	232,050.84	17,803.05
		For Counter Flow Type, Add	*15,309.11*	
		For Stainless Steel Cooling Tower, Add	*163,297.13*	

23 65 13 16-0032 Closed Circuit Forced Draft Centrifugal Fan Cooling Tower (Evapco LSWA)
(23 65 13 16)
Note: Excludes crane and associated personnel.

23 65 13 16-0033	EA	Closed Circuit Forced Draft Centrifugal Fan Cooling Tower (Evapco LSWA58B)	238,745.87	5,481.59
		For Counter Flow Type, Add	*17,245.60*	
		For Stainless Steel Cooling Tower, Add	*183,953.09*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers
(23 65 14 13)
Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,477.04	1,358.27
		For Polymer Coating Over Galvanized Components, Add	*1,265.95*	
		For Stainless Steel Support Structure, Add	*2,531.89*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,413.26	1,467.42
		For Polymer Coating Over Galvanized Components, Add	*1,530.91*	
		For Stainless Steel Support Structure, Add	*3,061.82*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,839.05	1,649.33
		For Polymer Coating Over Galvanized Components, Add	*1,854.76*	
		For Stainless Steel Support Structure, Add	*3,709.52*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	16,467.60	1,819.12
		For Polymer Coating Over Galvanized Components, Add	*2,060.84*	
		For Stainless Steel Support Structure, Add	*4,121.68*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	19,506.46	2,013.15
		For Polymer Coating Over Galvanized Components, Add	*2,473.01*	
		For Stainless Steel Support Structure, Add	*4,946.02*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	22,689.88	2,170.80
		For Polymer Coating Over Galvanized Components, Add	*2,915.96*	
		For Stainless Steel Support Structure, Add	*5,831.92*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	26,049.46	2,461.86
		For Polymer Coating Over Galvanized Components, Add	*3,356.23*	
		For Stainless Steel Support Structure, Add	*6,712.46*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	32,450.12	3,092.49
		For Polymer Coating Over Galvanized Components, Add	*4,121.68*	
		For Stainless Steel Support Structure, Add	*8,243.36*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	35,387.49	3,456.31
		For Polymer Coating Over Galvanized Components, Add	*4,474.97*	
		For Stainless Steel Support Structure, Add	*8,949.94*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	53,992.93	3,892.90
		For Polymer Coating Over Galvanized Components, Add	*7,160.28*	
		For Stainless Steel Support Structure, Add	*14,320.55*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	65,340.71	4,863.09
		For Polymer Coating Over Galvanized Components, Add	*8,629.60*	
		For Stainless Steel Support Structure, Add	*17,259.20*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	84,598.18	7,979.84
		For Polymer Coating Over Galvanized Components, Add	*10,765.11*	
		For Stainless Steel Support Structure, Add	*21,530.21*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	32,450.12	3,092.49
		For Polymer Coating Over Galvanized Components, Add	*4,121.68*	
		For Stainless Steel Support Structure, Add	*8,243.36*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	43,222.04	3,892.90
		For Polymer Coating Over Galvanized Components, Add	*5,544.64*	
		For Stainless Steel Support Structure, Add	*11,089.29*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	54,914.99	4,863.09
		For Polymer Coating Over Galvanized Components, Add	*7,065.74*	
		For Stainless Steel Support Structure, Add	*14,131.48*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	65,172.51	6,087.97
		For Polymer Coating Over Galvanized Components, Add	*8,307.85*	
		For Stainless Steel Support Structure, Add	*16,615.71*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	77,478.60	7,979.84
		For Polymer Coating Over Galvanized Components, Add	*9,697.17*	
		For Stainless Steel Support Structure, Add	*19,394.34*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	86,362.90	8,986.41
		For Polymer Coating Over Galvanized Components, Add	*10,787.87*	
		For Stainless Steel Support Structure, Add	*21,575.75*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	96,309.35	9,859.59
		For Polymer Coating Over Galvanized Components, Add	*12,070.64*	
		For Stainless Steel Support Structure, Add	*24,141.28*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	109,141.30	10,926.80
		For Polymer Coating Over Galvanized Components, Add	*13,738.94*	
		For Stainless Steel Support Structure, Add	*27,477.88*	
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	123,063.45	11,848.49
		For Polymer Coating Over Galvanized Components, Add	*15,603.51*	
		For Stainless Steel Support Structure, Add	*31,207.02*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	131,796.01	12,491.24
		For Polymer Coating Over Galvanized Components, Add	*16,795.15*	
		For Stainless Steel Support Structure, Add	*33,590.31*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	141,233.30	12,830.81
		For Polymer Coating Over Galvanized Components, Add	*18,092.50*	
		For Stainless Steel Support Structure, Add	*36,185.01*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	160,162.75	13,267.39
		For Polymer Coating Over Galvanized Components, Add	*20,902.82*	
		For Stainless Steel Support Structure, Add	*41,805.63*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	175,662.28	14,625.67
		For Polymer Coating Over Galvanized Components, Add	*22,907.58*	
		For Stainless Steel Support Structure, Add	*45,815.16*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	194,066.24	16,105.21
		For Polymer Coating Over Galvanized Components, Add	*25,318.91*	
		For Stainless Steel Support Structure, Add	*50,637.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14		**Open-Circuit, Induced-Draft Crossflow Cooling Towers** *(23 65 14)*		
23 65 14 14-0001		Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)* Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.		
23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,734.69	1,358.27
		For Polymer Coating Over Galvanized Components, Add	*1,004.59*	
		For Stainless Steel Support Structure, Add	*2,009.19*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,420.06	1,382.52
		For Polymer Coating Over Galvanized Components, Add	*1,103.76*	
		For Stainless Steel Support Structure, Add	*2,207.52*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	10,246.46	1,503.80
		For Polymer Coating Over Galvanized Components, Add	*1,198.61*	
		For Stainless Steel Support Structure, Add	*2,397.23*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,965.26	1,576.57
		For Polymer Coating Over Galvanized Components, Add	*1,440.06*	
		For Stainless Steel Support Structure, Add	*2,880.12*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,540.34	1,649.33
		For Polymer Coating Over Galvanized Components, Add	*1,659.95*	
		For Stainless Steel Support Structure, Add	*3,319.90*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,082.19	1,734.22
		For Polymer Coating Over Galvanized Components, Add	*1,871.22*	
		For Stainless Steel Support Structure, Add	*3,742.44*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	16,496.92	1,819.12
		For Polymer Coating Over Galvanized Components, Add	*2,065.24*	
		For Stainless Steel Support Structure, Add	*4,130.48*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,067.51	1,916.13
		For Polymer Coating Over Galvanized Components, Add	*2,280.82*	
		For Stainless Steel Support Structure, Add	*4,561.63*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	19,604.87	2,013.15
		For Polymer Coating Over Galvanized Components, Add	*2,487.77*	
		For Stainless Steel Support Structure, Add	*4,975.54*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	22,623.43	2,170.80
		For Polymer Coating Over Galvanized Components, Add	*2,905.99*	
		For Stainless Steel Support Structure, Add	*5,811.99*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,896.20	2,340.60
		For Polymer Coating Over Galvanized Components, Add	*3,358.71*	
		For Stainless Steel Support Structure, Add	*6,717.41*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	27,416.95	2,461.86
		For Polymer Coating Over Galvanized Components, Add	*3,561.35*	
		For Stainless Steel Support Structure, Add	*7,122.70*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,083.21	2,668.03
		For Polymer Coating Over Galvanized Components, Add	*3,763.99*	
		For Stainless Steel Support Structure, Add	*7,527.99*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	30,318.32	2,874.20
		For Polymer Coating Over Galvanized Components, Add	*3,901.96*	
		For Stainless Steel Support Structure, Add	*7,803.93*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,623.73	3,092.49
		For Polymer Coating Over Galvanized Components, Add	*4,147.72*	
		For Stainless Steel Support Structure, Add	*8,295.45*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	33,981.93	3,456.31
		For Polymer Coating Over Galvanized Components, Add	*4,264.14*	
		For Stainless Steel Support Structure, Add	*8,528.27*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	39,456.78	3,892.90
		For Polymer Coating Over Galvanized Components, Add	*4,979.85*	
		For Stainless Steel Support Structure, Add	*9,959.71*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	43,600.43	4,365.87
		For Polymer Coating Over Galvanized Components, Add	*5,488.62*	
		For Stainless Steel Support Structure, Add	*10,977.24*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	45,924.26	4,863.09
		For Polymer Coating Over Galvanized Components, Add	*5,717.13*	
		For Stainless Steel Support Structure, Add	*11,434.26*	
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	53,069.89	5,481.59
		For Polymer Coating Over Galvanized Components, Add	*6,639.81*	
		For Stainless Steel Support Structure, Add	*13,279.61*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	58,191.30	6,087.97
		For Polymer Coating Over Galvanized Components, Add	*7,260.67*	
		For Stainless Steel Support Structure, Add	*14,521.34*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	62,302.28	7,203.69
		For Polymer Coating Over Galvanized Components, Add	*7,609.91*	
		For Stainless Steel Support Structure, Add	*15,219.82*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	67,242.73	7,979.84
		For Polymer Coating Over Galvanized Components, Add	*8,161.79*	
		For Stainless Steel Support Structure, Add	*16,323.58*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	76,846.43	8,986.41
		For Polymer Coating Over Galvanized Components, Add	*9,360.40*	
		For Stainless Steel Support Structure, Add	*18,720.80*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	84,708.43	9,859.59
		For Polymer Coating Over Galvanized Components, Add	*10,330.50*	
		For Stainless Steel Support Structure, Add	*20,661.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	93,633.07	10,926.80
		For Polymer Coating Over Galvanized Components, Add	*11,412.71*	
		For Stainless Steel Support Structure, Add	*22,825.41*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	102,023.25	11,848.49
		For Polymer Coating Over Galvanized Components, Add	*12,447.48*	
		For Stainless Steel Support Structure, Add	*24,894.96*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	116,534.50	12,830.81
		For Polymer Coating Over Galvanized Components, Add	*14,387.68*	
		For Stainless Steel Support Structure, Add	*28,775.37*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	130,554.28	13,267.39
		For Polymer Coating Over Galvanized Components, Add	*16,461.55*	
		For Stainless Steel Support Structure, Add	*32,923.09*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	145,910.83	14,625.67
		For Polymer Coating Over Galvanized Components, Add	*18,444.86*	
		For Stainless Steel Support Structure, Add	*36,889.73*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	160,829.06	16,105.21
		For Polymer Coating Over Galvanized Components, Add	*20,333.33*	
		For Stainless Steel Support Structure, Add	*40,666.66*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	175,471.10	17,803.05
		For Polymer Coating Over Galvanized Components, Add	*22,131.25*	
		For Stainless Steel Support Structure, Add	*44,262.50*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	191,965.19	18,664.10
		For Polymer Coating Over Galvanized Components, Add	*24,403.44*	
		For Stainless Steel Support Structure, Add	*48,806.89*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	207,869.16	19,464.51
		For Polymer Coating Over Galvanized Components, Add	*26,598.03*	
		For Stainless Steel Support Structure, Add	*53,196.06*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	221,152.59	21,138.08
		For Polymer Coating Over Galvanized Components, Add	*28,197.62*	
		For Stainless Steel Support Structure, Add	*56,395.24*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	234,026.48	22,932.94
		For Polymer Coating Over Galvanized Components, Add	*29,706.67*	
		For Stainless Steel Support Structure, Add	*59,413.33*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	246,454.41	24,824.81
		For Polymer Coating Over Galvanized Components, Add	*31,125.17*	
		For Stainless Steel Support Structure, Add	*62,250.34*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	257,918.03	26,534.79
		For Polymer Coating Over Galvanized Components, Add	*32,444.51*	
		For Stainless Steel Support Structure, Add	*64,889.02*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	269,149.48	28,487.29
		For Polymer Coating Over Galvanized Components, Add	*33,668.99*	
		For Stainless Steel Support Structure, Add	*67,337.98*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	280,262.37	30,743.01
		For Polymer Coating Over Galvanized Components, Add	*34,802.93*	
		For Stainless Steel Support Structure, Add	*69,605.87*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	290,702.13	32,998.69
		For Polymer Coating Over Galvanized Components, Add	*35,837.71*	
		For Stainless Steel Support Structure, Add	*71,675.42*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	301,823.74	36,079.07
		For Polymer Coating Over Galvanized Components, Add	*36,781.94*	
		For Stainless Steel Support Structure, Add	*73,563.88*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	98,048.45	3,092.49
		For Induced Draft Counter Flow Type, Add	*4,653.81*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	111,134.94	3,432.06
		For Induced Draft Counter Flow Type, Add	*5,279.03*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	121,448.09	3,892.90
		For Induced Draft Counter Flow Type, Add	*5,759.52*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	134,963.85	4,863.09
		For Induced Draft Counter Flow Type, Add	*6,357.69*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	152,822.05	6,087.97
		For Induced Draft Counter Flow Type, Add	*7,151.76*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	175,373.06	7,979.84
		For Induced Draft Counter Flow Type, Add	*8,127.11*	
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	191,040.02	8,986.41
		For Induced Draft Counter Flow Type, Add	*8,829.81*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	206,488.70	9,859.59
		For Induced Draft Counter Flow Type, Add	*9,532.51*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	238,290.56	11,848.49
		For Induced Draft Counter Flow Type, Add	*10,962.53*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	269,202.78	12,830.81
		For Induced Draft Counter Flow Type, Add	*12,429.31*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	333,523.18	13,946.52
		For Induced Draft Counter Flow Type, Add	*15,524.06*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	433,014.18	17,803.05
		For Induced Draft Counter Flow Type, Add	*20,254.24*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 16-0001		**Stainless Steel Packaged Propeller Type Cooling Towers** *(23 65 14 16)* Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 16-0002		**Draw-Thru Stainless Steel Propeller Type Cooling Towers** *(23 65 14 16-0001)* Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.		
23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	41,156.61	2,013.15
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	58,526.22	2,461.86
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	68,946.30	3,092.49
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	78,163.55	3,456.31
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	85,738.01	3,892.90
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	102,796.52	4,863.09
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	120,951.98	6,087.97
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	143,322.68	7,979.84
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	156,884.46	8,986.41
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	177,893.35	9,859.59
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	206,181.70	11,848.49
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	232,801.13	12,830.81
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	288,055.88	13,946.52
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	366,975.36	17,609.01
23 65 14 16-0017		**Belt Driven Stainless Steel Propeller Type Cooling Towers** *(23 65 14 16-0001)* Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.		
23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	71,826.30	3,092.49
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	77,715.22	3,456.31
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	83,730.29	3,892.90
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	99,000.37	4,863.09
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	109,066.49	6,087.97
23 65 14 16-0023		**Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers** *(23 65 14 16)* Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,916.51	1,261.25
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,175.28	1,321.89
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,016.33	1,358.27
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,800.79	1,382.52
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,903.42	1,503.80
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,416.93	1,576.57
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,642.12	1,649.33
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	12,271.62	1,819.12
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,694.90	2,013.15
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	15,348.67	2,170.80
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,706.03	2,340.60
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	19,274.82	2,668.03
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	23,331.05	3,092.49
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	28,845.64	3,456.31
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	32,395.74	3,892.90
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	39,342.47	4,365.87
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	43,879.19	4,863.09
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	48,496.73	5,481.59
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	52,908.04	6,087.97
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	63,376.12	7,979.84
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	72,024.97	8,986.41
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	80,051.17	9,859.59
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	97,324.62	11,605.94
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	111,193.81	12,830.81
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	117,830.70	9,859.59
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	134,807.91	14,625.67
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	154,064.54	12,188.05
23 65 43		**Cooling Tower Basins and Accessories** *(23 65)*		
23 65 43 00-0001		**Fiberglass Cooling Tower Remote Sump Basins** *(23 65 43)* Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.		
23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,433.09	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,622.01	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,592.12	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,866.27	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,024.43	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,247.18	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,469.91	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,498.43	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,761.13	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,148.19	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,538.32	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,794.88	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 65 43 00-0014 Cooling Tower Accessories *(23 65 43)*

23 65 43 00-0015	EA	2" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ)	37,762.82	
23 65 43 00-0016	EA	3" Deflection Vibration Isolator, Cooling Tower Accessory (M.M. Sausse RMLS-SB-EQ)	44,120.22	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001 Nickelshield Storage Tanks *(23 71 13 23)*

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	31,685.78	230.10
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	44,217.72	305.08
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	50,622.27	369.00
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	59,936.84	461.25
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	69,730.50	613.16
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	90,091.13	922.62
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	101,736.27	1,039.16
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	139,712.66	1,380.29
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	180,782.18	1,604.64

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001 Enthalpy Recovery Wheel *(23 72 13)*

23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	11,279.80	866.37
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,526.42	1,039.90
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,674.50	1,299.88
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	18,328.10	1,485.11
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	20,274.97	1,559.86
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	24,633.12	1,733.38
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	32,694.04	1,819.83
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	40,704.15	1,949.82
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	49,285.41	2,227.99
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	55,253.11	2,859.73
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	74,017.61	3,249.69
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	88,040.10	3,899.63

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	20,284.17	649.93
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,884.69	866.63
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	47,268.68	1,299.88

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13		**Modular Indoor Central-Station Air-Handling Units** *(23 73)*		
		Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.		
23 73 13 00-0001		Single Zone Units *(23 73 13)*		
		Note: Horizontal/vertical draw-thru fan, motor and cabinet.		
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	3,050.50	659.92
		For Flat Filter Box And Throwaway Filters, Add	*257.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*487.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*726.60*	
		For Manual Roll Filter, Add	*1,253.54*	
		For Automatic Roll Filter, Add	*1,358.93*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*621.21*	
		For Electric Heating Coil, Add	*1,042.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,042.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*937.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*831.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*679.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,253.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,148.15*	
		For Hot Water Heating Coil, Copper Fins, Add	*831.99*	
		For Variable Air Volume, Add	*295.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,299.93*	
		For 2 Coils, Independent Circuits, Add	*347.21*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,859.49	791.91
		For Flat Filter Box And Throwaway Filters, Add	*429.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*824.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,231.77*	
		For Manual Roll Filter, Add	*2,164.04*	
		For Automatic Roll Filter, Add	*2,350.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,045.31*	
		For Electric Heating Coil, Add	*1,791.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,791.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,604.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,418.22*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,175.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,164.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,977.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,418.22*	
		For Variable Air Volume, Add	*522.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,431.27*	
		For 2 Coils, Independent Circuits, Add	*560.53*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,500.49	850.47
		For Flat Filter Box And Throwaway Filters, Add	*489.31*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*942.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,407.17*	
		For Manual Roll Filter, Add	*2,478.57*	
		For Automatic Roll Filter, Add	*2,692.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,192.89*	
		For Electric Heating Coil, Add	*2,050.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,050.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,835.73*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,621.45*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,346.43*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,478.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,264.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,621.45*	
		For Variable Air Volume, Add	*599.99*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,490.42*	
		For 2 Coils, Independent Circuits, Add	*635.76*	
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,213.60	913.87
		For Flat Filter Box And Throwaway Filters, Add	*556.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,072.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,602.93*	
		For Manual Roll Filter, Add	*2,829.90*	
		For Automatic Roll Filter, Add	*3,075.29*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,357.54*	
		For Electric Heating Coil, Add	*2,339.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,339.11*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,093.72*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,848.33*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,537.65*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,829.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,584.50*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,848.33*	
		For Variable Air Volume, Add	*687.10*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,554.02*	
		For 2 Coils, Independent Circuits, Add	*719.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,055.70	983.17
		For Flat Filter Box And Throwaway Filters, Add	*635.43*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,228.76*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,836.13*	
		For Manual Roll Filter, Add	*3,249.33*	
		For Automatic Roll Filter, Add	*3,531.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,553.49*	
		For Electric Heating Coil, Add	*2,684.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,684.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,401.41*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,118.77*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,765.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,249.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,966.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,118.77*	
		For Variable Air Volume, Add	*791.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,622.03*	
		For 2 Coils, Independent Circuits, Add	*818.63*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,038.56	1,056.58
		For Flat Filter Box And Throwaway Filters, Add	*728.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,411.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,109.70*	
		For Manual Roll Filter, Add	*3,742.00*	
		For Automatic Roll Filter, Add	*4,068.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,783.24*	
		For Electric Heating Coil, Add	*3,089.08*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,089.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,762.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,436.16*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,034.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,742.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,415.54*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,436.16*	
		For Variable Air Volume, Add	*914.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,696.55*	
		For 2 Coils, Independent Circuits, Add	*934.44*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,805.79	1,135.90
		For Flat Filter Box And Throwaway Filters, Add	*799.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,550.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,317.88*	
		For Manual Roll Filter, Add	*4,114.51*	
		For Automatic Roll Filter, Add	*4,473.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,958.56*	
		For Electric Heating Coil, Add	*3,395.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,395.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,036.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,677.21*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,236.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,114.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,755.18*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,677.21*	
		For Variable Air Volume, Add	*1,006.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,773.50*	
		For 2 Coils, Independent Circuits, Add	*1,024.31*	
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,636.05	1,224.16
		For Flat Filter Box And Throwaway Filters, Add	*876.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,699.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,541.13*	
		For Manual Roll Filter, Add	*4,513.04*	
		For Automatic Roll Filter, Add	*4,907.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,146.75*	
		For Electric Heating Coil, Add	*3,724.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,724.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,329.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,935.51*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,453.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,513.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,118.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,935.51*	
		For Variable Air Volume, Add	*1,104.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,711.63*	
		For 2 Coils, Independent Circuits, Add	*1,121.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,551.39	1,312.42
		For Flat Filter Box And Throwaway Filters, Add	*961.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,866.53*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,790.42*	
		For Manual Roll Filter, Add	*4,959.52*	
		For Automatic Roll Filter, Add	*5,393.34*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,356.60*	
		For Electric Heating Coil, Add	*4,091.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,091.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,658.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,224.24*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,696.67*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,959.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,525.70*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,224.24*	
		For Variable Air Volume, Add	*1,214.70*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,781.24*	
		For 2 Coils, Independent Circuits, Add	*1,228.67*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,392.80	1,410.70
		For Flat Filter Box And Throwaway Filters, Add	*1,038.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,016.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,014.78*	
		For Manual Roll Filter, Add	*5,359.16*	
		For Automatic Roll Filter, Add	*5,828.04*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,545.91*	
		For Electric Heating Coil, Add	*4,421.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,421.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,952.54*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,483.66*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,914.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,359.16*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,890.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,483.66*	
		For Variable Air Volume, Add	*1,312.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,858.40*	
		For 2 Coils, Independent Circuits, Add	*1,326.83*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,290.68	1,517.93
		For Flat Filter Box And Throwaway Filters, Add	*1,120.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,176.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,253.56*	
		For Manual Roll Filter, Add	*5,784.18*	
		For Automatic Roll Filter, Add	*6,290.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,747.44*	
		For Electric Heating Coil, Add	*4,771.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,771.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,265.81*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,759.68*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,145.15*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,784.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,278.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,759.68*	
		For Variable Air Volume, Add	*1,417.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,942.52*	
		For 2 Coils, Independent Circuits, Add	*1,431.52*	
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,297.61	1,757.05
		For Flat Filter Box And Throwaway Filters, Add	*1,304.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,533.22*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,787.29*	
		For Manual Roll Filter, Add	*6,734.19*	
		For Automatic Roll Filter, Add	*7,323.58*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,197.91*	
		For Electric Heating Coil, Add	*5,555.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,555.43*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,966.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,376.67*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,661.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,734.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,144.81*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,376.67*	
		For Variable Air Volume, Add	*1,650.27*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,130.49*	
		For 2 Coils, Independent Circuits, Add	*1,665.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,967.83	1,888.20
		For Flat Filter Box And Throwaway Filters, Add	*1,361.87*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,642.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,950.71*	
		For Manual Roll Filter, Add	*7,018.13*	
		For Automatic Roll Filter, Add	*7,631.61*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,337.23*	
		For Electric Heating Coil, Add	*5,791.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,791.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,177.68*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,564.20*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,815.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,018.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,404.64*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,564.20*	
		For Variable Air Volume, Add	*1,717.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,234.00*	
		For 2 Coils, Independent Circuits, Add	*1,742.18*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,650.65	2,029.26
		For Flat Filter Box And Throwaway Filters, Add	*1,420.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,753.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,115.40*	
		For Manual Roll Filter, Add	*7,303.32*	
		For Automatic Roll Filter, Add	*7,940.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,477.82*	
		For Electric Heating Coil, Add	*6,028.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,028.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,390.57*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,752.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,970.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,303.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,665.74*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,752.99*	
		For Variable Air Volume, Add	*1,785.24*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,344.43*	
		For 2 Coils, Independent Circuits, Add	*1,820.10*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,151.18	2,342.72
		For Flat Filter Box And Throwaway Filters, Add	*1,547.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,995.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,475.79*	
		For Manual Roll Filter, Add	*7,926.63*	
		For Automatic Roll Filter, Add	*8,616.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,785.62*	
		For Electric Heating Coil, Add	*6,546.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,546.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,856.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,165.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,308.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,926.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,236.46*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,165.96*	
		For Variable Air Volume, Add	*1,932.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,279.13*	
		For 2 Coils, Independent Circuits, Add	*1,991.19*	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,151.18	2,342.72
		For Flat Filter Box And Throwaway Filters, Add	*1,547.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,995.02*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,475.79*	
		For Manual Roll Filter, Add	*7,926.63*	
		For Automatic Roll Filter, Add	*8,616.80*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,785.62*	
		For Electric Heating Coil, Add	*6,546.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,546.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,856.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,165.96*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,308.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,926.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,236.46*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,165.96*	
		For Variable Air Volume, Add	*1,932.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,279.13*	
		For 2 Coils, Independent Circuits, Add	*1,991.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,787.49	2,690.83
		For Flat Filter Box And Throwaway Filters, Add	*1,686.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,257.67*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,867.29*	
		For Manual Roll Filter, Add	*8,602.96*	
		For Automatic Roll Filter, Add	*9,350.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,120.15*	
		For Electric Heating Coil, Add	*7,108.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,108.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,361.56*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,614.42*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,675.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,602.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,855.83*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,614.42*	
		For Variable Air Volume, Add	*2,091.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,477.92*	
		For 2 Coils, Independent Circuits, Add	*2,177.60*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,727.61	2,919.33
		For Flat Filter Box And Throwaway Filters, Add	*1,764.19*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,403.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,084.00*	
		For Manual Roll Filter, Add	*8,973.04*	
		For Automatic Roll Filter, Add	*9,750.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,306.19*	
		For Electric Heating Coil, Add	*7,417.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,417.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,639.61*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,861.80*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,875.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,973.04*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,195.23*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,861.80*	
		For Variable Air Volume, Add	*2,177.86*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,608.58*	
		For 2 Coils, Independent Circuits, Add	*2,283.88*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,650.38	3,136.28
		For Flat Filter Box And Throwaway Filters, Add	*1,841.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,547.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,298.97*	
		For Manual Roll Filter, Add	*9,341.38*	
		For Automatic Roll Filter, Add	*10,149.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,490.49*	
		For Electric Heating Coil, Add	*7,724.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,724.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,915.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,107.45*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,074.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,341.38*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,532.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,107.45*	
		For Variable Air Volume, Add	*2,263.75*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,732.29*	
		For 2 Coils, Independent Circuits, Add	*2,388.43*	
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,578.38	3,357.35
		For Flat Filter Box And Throwaway Filters, Add	*1,918.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,692.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,514.46*	
		For Manual Roll Filter, Add	*9,710.25*	
		For Automatic Roll Filter, Add	*10,549.40*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,675.31*	
		For Electric Heating Coil, Add	*8,031.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,031.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,192.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,353.62*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,274.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,710.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,871.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,353.62*	
		For Variable Air Volume, Add	*2,349.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,858.10*	
		For 2 Coils, Independent Circuits, Add	*2,493.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,647.16	3,613.90
		For Flat Filter Box And Throwaway Filters, Add	*2,006.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,858.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,761.57*	
		For Manual Roll Filter, Add	*10,132.63*	
		For Automatic Roll Filter, Add	*11,006.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,887.36*	
		For Electric Heating Coil, Add	*8,384.21*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,384.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,509.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,635.78*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,503.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,132.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,258.42*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,635.78*	
		For Variable Air Volume, Add	*2,447.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,005.16*	
		For 2 Coils, Independent Circuits, Add	*2,614.40*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,730.94	3,872.09
		For Flat Filter Box And Throwaway Filters, Add	*2,095.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,025.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,010.17*	
		For Manual Roll Filter, Add	*10,556.52*	
		For Automatic Roll Filter, Add	*11,465.78*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,100.90*	
		For Electric Heating Coil, Add	*8,737.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,737.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,828.71*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,919.44*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,732.89*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,556.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,647.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,919.44*	
		For Variable Air Volume, Add	*2,545.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,843.67*	
		For 2 Coils, Independent Circuits, Add	*2,736.80*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,845.70	4,169.77
		For Flat Filter Box And Throwaway Filters, Add	*2,186.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,194.44*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,261.87*	
		For Manual Roll Filter, Add	*10,983.50*	
		For Automatic Roll Filter, Add	*11,927.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,317.55*	
		For Electric Heating Coil, Add	*9,094.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,094.85*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,150.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,206.20*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,963.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,983.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,039.17*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,206.20*	
		For Variable Air Volume, Add	*2,644.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,967.76*	
		For 2 Coils, Independent Circuits, Add	*2,862.30*	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,114.79	4,517.16
		For Flat Filter Box And Throwaway Filters, Add	*2,289.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,385.82*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,546.53*	
		For Manual Roll Filter, Add	*11,465.35*	
		For Automatic Roll Filter, Add	*12,449.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,562.77*	
		For Electric Heating Coil, Add	*9,497.82*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,497.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,514.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,530.30*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,224.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,465.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,481.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,530.30*	
		For Variable Air Volume, Add	*2,754.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,111.86*	
		For 2 Coils, Independent Circuits, Add	*3,004.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,355.44	4,822.85
		For Flat Filter Box And Throwaway Filters, Add	*2,390.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,575.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,828.35*	
		For Manual Roll Filter, Add	*11,944.36*	
		For Automatic Roll Filter, Add	*12,967.56*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,805.15*	
		For Electric Heating Coil, Add	*9,897.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,897.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,874.75*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,851.55*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,483.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,944.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,921.16*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,851.55*	
		For Variable Air Volume, Add	*2,864.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,247.42*	
		For 2 Coils, Independent Circuits, Add	*3,144.82*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,506.83	4,669.77
		For Flat Filter Box And Throwaway Filters, Add	*2,418.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,637.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,922.37*	
		For Manual Roll Filter, Add	*12,136.97*	
		For Automatic Roll Filter, Add	*13,179.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,879.44*	
		For Electric Heating Coil, Add	*10,051.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,051.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,008.21*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,965.29*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,589.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,136.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,094.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,965.29*	
		For Variable Air Volume, Add	*2,920.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,174.53*	
		For 2 Coils, Independent Circuits, Add	*3,167.85*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,652.67	5,180.98
		For Flat Filter Box And Throwaway Filters, Add	*2,495.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,768.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,115.83*	
		For Manual Roll Filter, Add	*12,429.02*	
		For Automatic Roll Filter, Add	*13,491.66*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,053.19*	
		For Electric Heating Coil, Add	*10,303.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,303.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,241.10*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,178.46*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,745.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,429.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,366.38*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,178.46*	
		For Variable Air Volume, Add	*2,975.39*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,399.96*	
		For 2 Coils, Independent Circuits, Add	*3,290.32*	
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,188.18	5,389.08
		For Flat Filter Box And Throwaway Filters, Add	*2,635.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,041.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,523.53*	
		For Manual Roll Filter, Add	*13,154.43*	
		For Automatic Roll Filter, Add	*14,280.61*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,397.36*	
		For Electric Heating Coil, Add	*10,902.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,902.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,775.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,649.71*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,140.30*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,154.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,028.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,649.71*	
		For Variable Air Volume, Add	*3,153.30*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,932.92*	
		For 2 Coils, Independent Circuits, Add	*3,469.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	31,797.30	5,597.79
		For Flat Filter Box And Throwaway Filters, Add	*2,779.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,319.08*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,938.60*	
		For Manual Roll Filter, Add	*13,887.19*	
		For Automatic Roll Filter, Add	*15,076.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,748.88*	
		For Electric Heating Coil, Add	*11,507.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,507.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,318.04*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,128.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,538.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,887.19*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,697.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,128.32*	
		For Variable Air Volume, Add	*3,331.21*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,000.59*	
		For 2 Coils, Independent Circuits, Add	*3,655.62*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	33,513.35	5,813.09
		For Flat Filter Box And Throwaway Filters, Add	*2,937.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,627.19*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,399.42*	
		For Manual Roll Filter, Add	*14,709.53*	
		For Automatic Roll Filter, Add	*15,971.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,137.40*	
		For Electric Heating Coil, Add	*12,185.49*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,185.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,923.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,661.44*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,985.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,709.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,447.51*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,661.44*	
		For Variable Air Volume, Add	*3,533.66*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,054.58*	
		For 2 Coils, Independent Circuits, Add	*3,856.14*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	35,295.17	6,028.63
		For Flat Filter Box And Throwaway Filters, Add	*3,099.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,939.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,866.82*	
		For Manual Roll Filter, Add	*15,538.44*	
		For Automatic Roll Filter, Add	*16,872.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,532.49*	
		For Electric Heating Coil, Add	*12,869.79*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,869.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,535.47*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,201.14*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,436.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,538.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,204.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,201.14*	
		For Variable Air Volume, Add	*3,736.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,121.73*	
		For 2 Coils, Independent Circuits, Add	*4,063.25*	
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	39,386.87	6,463.11
		For Flat Filter Box And Throwaway Filters, Add	*3,476.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,676.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,475.76*	
		For Manual Roll Filter, Add	*16,600.97*	
		For Automatic Roll Filter, Add	*17,505.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,953.52*	
		For Electric Heating Coil, Add	*7,556.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,983.17*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,475.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,968.35*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,999.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,998.00*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,490.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,475.76*	
		For Variable Air Volume, Add	*4,220.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,351.75*	
		For 2 Coils, Independent Circuits, Add	*4,541.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	43,728.27	6,965.48
		For Flat Filter Box And Throwaway Filters, Add	*3,873.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,447.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,808.21*	
		For Manual Roll Filter, Add	*18,544.28*	
		For Automatic Roll Filter, Add	*19,556.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,746.98*	
		For Electric Heating Coil, Add	*8,421.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,495.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,808.21*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,121.14*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,934.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,869.45*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,182.37*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,808.21*	
		For Variable Air Volume, Add	*4,723.82*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,482.68*	
		For 2 Coils, Independent Circuits, Add	*5,047.66*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	48,486.75	7,463.36
		For Flat Filter Box And Throwaway Filters, Add	*4,315.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,310.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,302.88*	
		For Manual Roll Filter, Add	*20,731.74*	
		For Automatic Roll Filter, Add	*21,866.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,630.36*	
		For Electric Heating Coil, Add	*9,386.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,193.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,302.88*	
		For Steam Heating Coil, Aluminum Fins, Add	*12,412.04*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*9,987.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,975.41*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,084.57*	
		For Hot Water Heating Coil, Copper Fins, Add	*14,302.88*	
		For Variable Air Volume, Add	*5,294.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,602.24*	
		For 2 Coils, Independent Circuits, Add	*5,605.01*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	59,855.73	8,037.85
		For Flat Filter Box And Throwaway Filters, Add	*5,411.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,478.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,079.95*	
		For Manual Roll Filter, Add	*26,304.12*	
		For Automatic Roll Filter, Add	*27,755.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,823.32*	
		For Electric Heating Coil, Add	*11,790.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,498.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,079.95*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,661.07*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,668.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,336.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,917.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,079.95*	
		For Variable Air Volume, Add	*6,772.85*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,743.69*	
		For 2 Coils, Independent Circuits, Add	*6,953.12*	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	66,934.57	8,579.22
		For Flat Filter Box And Throwaway Filters, Add	*6,081.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,794.81*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,365.36*	
		For Manual Roll Filter, Add	*29,662.25*	
		For Automatic Roll Filter, Add	*31,302.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,162.22*	
		For Electric Heating Coil, Add	*13,255.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*23,099.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,365.36*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,630.98*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,284.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,568.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,834.12*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,365.36*	
		For Variable Air Volume, Add	*7,656.26*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,602.05*	
		For 2 Coils, Independent Circuits, Add	*7,787.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	73,356.48	9,238.56
		For Flat Filter Box And Throwaway Filters, Add	*6,676.08*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,956.42*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,376.93*	
		For Manual Roll Filter, Add	*32,605.00*	
		For Automatic Roll Filter, Add	*34,409.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,352.16*	
		For Electric Heating Coil, Add	*14,555.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,385.18*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,376.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,368.67*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,700.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,401.70*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,393.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,376.93*	
		For Variable Air Volume, Add	*8,423.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,743.70*	
		For 2 Coils, Independent Circuits, Add	*8,538.95*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	80,500.81	10,706.93
		For Flat Filter Box And Throwaway Filters, Add	*7,333.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,236.96*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,592.20*	
		For Manual Roll Filter, Add	*35,840.85*	
		For Automatic Roll Filter, Add	*37,825.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,666.93*	
		For Electric Heating Coil, Add	*15,990.30*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,900.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*24,592.20*	
		For Steam Heating Coil, Aluminum Fins, Add	*21,283.78*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*17,258.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*34,517.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,209.05*	
		For Hot Water Heating Coil, Copper Fins, Add	*24,592.20*	
		For Variable Air Volume, Add	*9,263.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,914.85*	
		For 2 Coils, Independent Circuits, Add	*9,373.45*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	86,665.43	10,641.36
		For Flat Filter Box And Throwaway Filters, Add	*7,906.81*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*15,357.78*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*26,534.23*	
		For Manual Roll Filter, Add	*38,684.25*	
		For Automatic Roll Filter, Add	*40,828.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,813.62*	
		For Electric Heating Coil, Add	*17,243.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*30,107.76*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*26,534.23*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,960.69*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,627.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*37,254.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*33,681.30*	
		For Hot Water Heating Coil, Copper Fins, Add	*26,534.23*	
		For Variable Air Volume, Add	*10,005.90*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,044.21*	
		For 2 Coils, Independent Circuits, Add	*10,095.96*	
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	93,484.17	11,383.65
		For Flat Filter Box And Throwaway Filters, Add	*8,532.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,575.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,640.26*	
		For Manual Roll Filter, Add	*41,758.71*	
		For Automatic Roll Filter, Add	*44,073.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,065.15*	
		For Electric Heating Coil, Add	*18,608.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,498.63*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,640.26*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,781.89*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,107.68*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,215.36*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,356.99*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,640.26*	
		For Variable Air Volume, Add	*10,803.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,869.60*	
		For 2 Coils, Independent Circuits, Add	*10,891.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	100,905.47	12,291.16
		For Flat Filter Box And Throwaway Filters, Add	*9,212.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,898.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,927.05*	
		For Manual Roll Filter, Add	*45,095.87*	
		For Automatic Roll Filter, Add	*47,596.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,425.15*	
		For Electric Heating Coil, Add	*20,092.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*35,094.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,927.05*	
		For Steam Heating Coil, Aluminum Fins, Add	*26,759.75*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,714.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*43,428.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,261.65*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,927.05*	
		For Variable Air Volume, Add	*11,668.44*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,024.93*	
		For 2 Coils, Independent Circuits, Add	*11,757.47*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	105,113.22	12,868.48
		For Flat Filter Box And Throwaway Filters, Add	*9,593.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,637.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,202.32*	
		For Manual Roll Filter, Add	*46,952.19*	
		For Automatic Roll Filter, Add	*49,555.11*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,187.72*	
		For Electric Heating Coil, Add	*20,923.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,540.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,202.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,864.12*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,608.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,216.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,878.72*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,202.32*	
		For Variable Air Volume, Add	*12,146.96*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,123.66*	
		For 2 Coils, Independent Circuits, Add	*12,246.60*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	109,082.07	13,363.42
		For Flat Filter Box And Throwaway Filters, Add	*9,954.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*19,336.61*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,409.88*	
		For Manual Roll Filter, Add	*48,711.01*	
		For Automatic Roll Filter, Add	*51,411.21*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,908.88*	
		For Electric Heating Coil, Add	*21,709.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*37,910.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*33,409.88*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,909.54*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*23,455.44*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*46,910.88*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*42,410.55*	
		For Hot Water Heating Coil, Copper Fins, Add	*33,409.88*	
		For Variable Air Volume, Add	*12,600.94*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,214.42*	
		For 2 Coils, Independent Circuits, Add	*12,708.34*	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	117,632.95	14,270.81
		For Flat Filter Box And Throwaway Filters, Add	*10,743.50*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,875.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,072.55*	
		For Manual Roll Filter, Add	*52,602.84*	
		For Automatic Roll Filter, Add	*55,519.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,487.00*	
		For Electric Heating Coil, Add	*23,431.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,934.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*36,072.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*31,210.70*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*25,329.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*50,658.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,796.25*	
		For Hot Water Heating Coil, Copper Fins, Add	*36,072.55*	
		For Variable Air Volume, Add	*13,613.18*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,379.49*	
		For 2 Coils, Independent Circuits, Add	*13,708.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	128,744.06	15,260.69
		For Flat Filter Box And Throwaway Filters, Add	*11,783.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,911.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,604.72*	
		For Manual Roll Filter, Add	*57,781.34*	
		For Automatic Roll Filter, Add	*60,988.98*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,566.53*	
		For Electric Heating Coil, Add	*25,704.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,950.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,604.72*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,258.66*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,821.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*55,642.91*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*50,296.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*39,604.72*	
		For Variable Air Volume, Add	*14,968.98*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,082.28*	
		For 2 Coils, Independent Circuits, Add	*15,012.83*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	141,182.04	16,498.05
		For Flat Filter Box And Throwaway Filters, Add	*12,939.77*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,172.48*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,521.55*	
		For Manual Roll Filter, Add	*63,515.83*	
		For Automatic Roll Filter, Add	*67,044.23*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*25,879.54*	
		For Electric Heating Coil, Add	*28,231.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*49,402.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,521.55*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,640.88*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,581.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*61,163.56*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*55,282.89*	
		For Hot Water Heating Coil, Copper Fins, Add	*43,521.55*	
		For Variable Air Volume, Add	*16,465.88*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,256.86*	
		For 2 Coils, Independent Circuits, Add	*16,470.47*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	155,019.07	17,900.39
		For Flat Filter Box And Throwaway Filters, Add	*14,221.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*27,673.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*47,852.16*	
		For Manual Roll Filter, Add	*69,850.34*	
		For Automatic Roll Filter, Add	*73,732.37*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*28,442.01*	
		For Electric Heating Coil, Add	*31,030.03*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*54,322.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,852.16*	
		For Steam Heating Coil, Aluminum Fins, Add	*41,382.11*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*33,631.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*67,262.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*60,792.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*47,852.16*	
		For Variable Air Volume, Add	*18,116.14*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,461.80*	
		For 2 Coils, Independent Circuits, Add	*18,089.93*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*

Note: Horizontal/vertical blow-thru fan, motor and cabinet.

23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	9,131.66	1,484.59
		For Economizer, Panel, Controls And Damper(s), Add	*2,124.30*	
		For Flat Filter Box And Throwaway Filters, Add	*807.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,550.68*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,964.85*	
		For Manual Roll Filter, Add	*4,068.22*	
		For Automatic Roll Filter, Add	*4,068.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*913.17*	
		For Electric Heating Coil, Add	*1,053.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,367.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,367.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,068.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,068.22*	
		For 2 Coils, Independent Circuits, Add	*1,053.39*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	11,377.34	1,859.92
		For Economizer, Panel, Controls And Damper(s), Add	*2,499.98*	
		For Flat Filter Box And Throwaway Filters, Add	*1,004.88*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,930.04*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,445.77*	
		For Manual Roll Filter, Add	*5,061.83*	
		For Automatic Roll Filter, Add	*5,061.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,137.73*	
		For Electric Heating Coil, Add	*1,312.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,189.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,189.81*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,061.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,061.83*	
		For 2 Coils, Independent Circuits, Add	*1,312.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,133.28	1,979.53
		For Economizer, Panel, Controls And Damper(s), Add	*2,619.37*	
		For Flat Filter Box And Throwaway Filters, Add	*1,271.94*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,459.06*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,109.17*	
		For Manual Roll Filter, Add	*6,500.85*	
		For Automatic Roll Filter, Add	*6,500.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,413.33*	
		For Electric Heating Coil, Add	*1,639.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,370.29*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,370.29*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,500.85*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,500.85*	
		For 2 Coils, Independent Circuits, Add	*1,639.44*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	14,683.61	2,119.76
		For Economizer, Panel, Controls And Damper(s), Add	*2,759.21*	
		For Flat Filter Box And Throwaway Filters, Add	*1,316.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,543.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,216.79*	
		For Manual Roll Filter, Add	*6,713.64*	
		For Automatic Roll Filter, Add	*6,713.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,468.36*	
		For Electric Heating Coil, Add	*1,701.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,548.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,548.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,713.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,713.64*	
		For 2 Coils, Independent Circuits, Add	*1,701.48*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,225.01	2,272.38
		For Economizer, Panel, Controls And Damper(s), Add	*2,912.46*	
		For Flat Filter Box And Throwaway Filters, Add	*1,560.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,022.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,819.30*	
		For Manual Roll Filter, Add	*8,012.89*	
		For Automatic Roll Filter, Add	*8,012.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,722.50*	
		For Electric Heating Coil, Add	*2,002.07*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,615.03*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,615.03*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,012.89*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,012.89*	
		For 2 Coils, Independent Circuits, Add	*2,002.07*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	18,155.96	2,433.46
		For Economizer, Panel, Controls And Damper(s), Add	*3,073.34*	
		For Flat Filter Box And Throwaway Filters, Add	*1,641.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,179.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,017.56*	
		For Manual Roll Filter, Add	*8,421.49*	
		For Automatic Roll Filter, Add	*8,421.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,815.60*	
		For Electric Heating Coil, Add	*2,109.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,953.51*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,953.51*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,421.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,421.49*	
		For 2 Coils, Independent Circuits, Add	*2,109.19*	
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,136.31	2,598.33
		For Economizer, Panel, Controls And Damper(s), Add	*3,238.12*	
		For Flat Filter Box And Throwaway Filters, Add	*1,728.05*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,344.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,227.34*	
		For Manual Roll Filter, Add	*8,854.75*	
		For Automatic Roll Filter, Add	*8,854.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,913.63*	
		For Electric Heating Coil, Add	*2,222.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,312.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,312.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,854.75*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,854.75*	
		For 2 Coils, Independent Circuits, Add	*2,222.13*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,371.09	2,788.17
		For Economizer, Panel, Controls And Damper(s), Add	*2,935.96*	
		For Flat Filter Box And Throwaway Filters, Add	*1,938.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,757.54*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,746.60*	
		For Manual Roll Filter, Add	*9,965.59*	
		For Automatic Roll Filter, Add	*9,965.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,137.11*	
		For Electric Heating Coil, Add	*2,485.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,225.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,225.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,965.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,965.59*	
		For 2 Coils, Independent Circuits, Add	*2,485.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	23,371.41	2,985.91
		For Economizer, Panel, Controls And Damper(s), Add	*3,096.20*	
		For Flat Filter Box And Throwaway Filters, Add	*2,123.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,119.73*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,202.98*	
		For Manual Roll Filter, Add	*10,934.66*	
		For Automatic Roll Filter, Add	*10,934.66*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,337.14*	
		For Electric Heating Coil, Add	*2,719.25*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,024.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,024.10*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,934.66*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,934.66*	
		For 2 Coils, Independent Circuits, Add	*2,719.25*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,702.84	3,189.07
		For Economizer, Panel, Controls And Damper(s), Add	*3,250.05*	
		For Flat Filter Box And Throwaway Filters, Add	*2,243.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,349.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,493.88*	
		For Manual Roll Filter, Add	*11,541.06*	
		For Automatic Roll Filter, Add	*11,541.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,470.28*	
		For Electric Heating Coil, Add	*2,873.43*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,525.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,525.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,541.06*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,541.06*	
		For 2 Coils, Independent Circuits, Add	*2,873.43*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	27,261.67	3,407.08
		For Economizer, Panel, Controls And Damper(s), Add	*3,428.25*	
		For Flat Filter Box And Throwaway Filters, Add	*2,482.69*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,819.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,084.99*	
		For Manual Roll Filter, Add	*12,802.62*	
		For Automatic Roll Filter, Add	*12,802.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,726.17*	
		For Electric Heating Coil, Add	*3,174.01*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,563.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,563.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,802.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,802.62*	
		For 2 Coils, Independent Circuits, Add	*3,174.01*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	29,002.90	3,646.30
		For Economizer, Panel, Controls And Damper(s), Add	*3,614.70*	
		For Flat Filter Box And Throwaway Filters, Add	*2,639.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,123.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,469.44*	
		For Manual Roll Filter, Add	*13,607.75*	
		For Automatic Roll Filter, Add	*13,607.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,900.29*	
		For Electric Heating Coil, Add	*3,376.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,228.32*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,228.32*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,607.75*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,607.75*	
		For 2 Coils, Independent Circuits, Add	*3,376.18*	
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	31,812.60	3,959.53
		For Economizer, Panel, Controls And Damper(s), Add	*3,858.57*	
		For Flat Filter Box And Throwaway Filters, Add	*2,898.66*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,627.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,105.36*	
		For Manual Roll Filter, Add	*14,953.55*	
		For Automatic Roll Filter, Add	*14,953.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,181.26*	
		For Electric Heating Coil, Add	*3,704.47*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,337.49*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,337.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,953.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,953.55*	
		For 2 Coils, Independent Circuits, Add	*3,704.47*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	34,178.83	4,264.86
		For Economizer, Panel, Controls And Damper(s), Add	*4,099.55*	
		For Flat Filter Box And Throwaway Filters, Add	*3,113.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,044.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,631.19*	
		For Manual Roll Filter, Add	*16,057.82*	
		For Automatic Roll Filter, Add	*16,057.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,417.88*	
		For Electric Heating Coil, Add	*3,979.66*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,248.94*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,248.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,057.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,057.82*	
		For 2 Coils, Independent Circuits, Add	*3,979.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	35,846.13	4,611.20
		For Economizer, Panel, Controls And Damper(s), Add	*3,569.70*	
		For Flat Filter Box And Throwaway Filters, Add	*3,255.90*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,314.57*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,975.40*	
		For Manual Roll Filter, Add	*16,756.96*	
		For Automatic Roll Filter, Add	*16,756.96*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,584.61*	
		For Electric Heating Coil, Add	*4,170.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,829.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,829.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,756.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,756.96*	
		For 2 Coils, Independent Circuits, Add	*4,170.05*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	39,799.55	4,973.92
		For Economizer, Panel, Controls And Damper(s), Add	*3,783.88*	
		For Flat Filter Box And Throwaway Filters, Add	*3,624.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,035.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,883.43*	
		For Manual Roll Filter, Add	*18,690.39*	
		For Automatic Roll Filter, Add	*18,690.39*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,979.96*	
		For Electric Heating Coil, Add	*4,633.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,421.41*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,421.41*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,690.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,690.39*	
		For 2 Coils, Independent Circuits, Add	*4,633.75*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	41,888.17	5,361.63
		For Economizer, Panel, Controls And Damper(s), Add	*4,005.84*	
		For Flat Filter Box And Throwaway Filters, Add	*3,805.59*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,381.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,322.35*	
		For Manual Roll Filter, Add	*19,589.42*	
		For Automatic Roll Filter, Add	*19,589.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,188.82*	
		For Electric Heating Coil, Add	*4,873.29*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,167.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,167.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,589.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,589.42*	
		For 2 Coils, Independent Circuits, Add	*4,873.29*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,202.26	5,807.31
		For Economizer, Panel, Controls And Damper(s), Add	*4,247.88*	
		For Flat Filter Box And Throwaway Filters, Add	*4,006.74*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,765.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,810.11*	
		For Manual Roll Filter, Add	*20,589.88*	
		For Automatic Roll Filter, Add	*20,589.88*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,420.23*	
		For Electric Heating Coil, Add	*5,138.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,996.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,996.62*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,589.88*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,589.88*	
		For 2 Coils, Independent Circuits, Add	*5,138.88*	
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	46,690.65	6,268.91
		For Economizer, Panel, Controls And Damper(s), Add	*3,868.44*	
		For Flat Filter Box And Throwaway Filters, Add	*4,220.99*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,173.14*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,328.44*	
		For Manual Roll Filter, Add	*21,647.20*	
		For Automatic Roll Filter, Add	*21,647.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,669.07*	
		For Electric Heating Coil, Add	*5,423.65*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*17,874.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*17,874.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*21,647.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*21,647.20*	
		For 2 Coils, Independent Circuits, Add	*5,423.65*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	47,991.08	6,508.48
		For Economizer, Panel, Controls And Damper(s), Add	*3,975.93*	
		For Flat Filter Box And Throwaway Filters, Add	*4,333.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,386.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,599.81*	
		For Manual Roll Filter, Add	*22,201.20*	
		For Automatic Roll Filter, Add	*22,201.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,799.11*	
		For Electric Heating Coil, Add	*5,572.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,334.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,334.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,201.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,201.20*	
		For 2 Coils, Independent Circuits, Add	*5,572.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	49,237.67	6,740.75
		For Economizer, Panel, Controls And Damper(s), Add	*4,067.27*	
		For Flat Filter Box And Throwaway Filters, Add	*4,442.56*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,596.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,865.78*	
		For Manual Roll Filter, Add	*22,749.82*	
		For Automatic Roll Filter, Add	*22,749.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,923.77*	
		For Electric Heating Coil, Add	*5,716.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,788.47*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,788.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,749.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*22,749.82*	
		For 2 Coils, Independent Circuits, Add	*5,716.04*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	55,791.74	7,011.67
		For Economizer, Panel, Controls And Damper(s), Add	*3,408.69*	
		For Flat Filter Box And Throwaway Filters, Add	*5,077.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,852.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,441.42*	
		For Manual Roll Filter, Add	*26,165.90*	
		For Automatic Roll Filter, Add	*26,165.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,579.17*	
		For Electric Heating Coil, Add	*6,494.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,591.07*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,591.07*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,165.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,165.90*	
		For 2 Coils, Independent Circuits, Add	*6,494.14*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	62,301.46	7,289.42
		For Economizer, Panel, Controls And Damper(s), Add	*3,558.21*	
		For Flat Filter Box And Throwaway Filters, Add	*5,709.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,105.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,012.61*	
		For Manual Roll Filter, Add	*29,577.55*	
		For Automatic Roll Filter, Add	*29,577.55*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,230.15*	
		For Electric Heating Coil, Add	*7,267.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*24,389.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*24,389.23*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*29,577.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*29,577.55*	
		For 2 Coils, Independent Circuits, Add	*7,267.81*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	71,819.91	7,564.36
		For Economizer, Panel, Controls And Damper(s), Add	*3,625.05*	
		For Flat Filter Box And Throwaway Filters, Add	*6,641.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,959.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,334.93*	
		For Manual Roll Filter, Add	*34,640.82*	
		For Automatic Roll Filter, Add	*34,640.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,181.99*	
		For Electric Heating Coil, Add	*8,402.38*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*28,538.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,538.86*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*34,640.82*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*34,640.82*	
		For 2 Coils, Independent Circuits, Add	*8,402.38*	
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	81,343.77	7,836.57
		For Economizer, Panel, Controls And Damper(s), Add	*3,692.84*	
		For Flat Filter Box And Throwaway Filters, Add	*7,575.00*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,814.36*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,657.80*	
		For Manual Roll Filter, Add	*39,704.64*	
		For Automatic Roll Filter, Add	*39,704.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,134.38*	
		For Electric Heating Coil, Add	*9,537.50*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,689.02*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,689.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,704.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,704.64*	
		For 2 Coils, Independent Circuits, Add	*9,537.50*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	91,405.64	8,496.50
		For Economizer, Panel, Controls And Damper(s), Add	*3,858.61*	
		For Flat Filter Box And Throwaway Filters, Add	*8,533.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,740.05*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*21,031.17*	
		For Manual Roll Filter, Add	*32,921.78*	
		For Automatic Roll Filter, Add	*40,848.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,140.56*	
		For Electric Heating Coil, Add	*10,725.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,921.78*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,921.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,067.64*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,848.86*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*40,848.86*	
		For 2 Coils, Independent Circuits, Add	*10,725.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	98,575.46	9,238.91
		For Economizer, Panel, Controls And Damper(s), Add	*3,733.91*	
		For Flat Filter Box And Throwaway Filters, Add	*9,201.24*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,736.23*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,674.95*	
		For Manual Roll Filter, Add	*35,492.36*	
		For Automatic Roll Filter, Add	*44,037.30*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,857.55*	
		For Electric Heating Coil, Add	*11,566.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*35,492.36*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,492.36*	
		For Steam Heating Coil, Aluminum Fins, Add	*18,402.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*44,037.30*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*44,037.30*	
		For 2 Coils, Independent Circuits, Add	*11,566.53*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	117,846.18	9,980.96
		For Economizer, Panel, Controls And Damper(s), Add	*3,903.29*	
		For Flat Filter Box And Throwaway Filters, Add	*11,071.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,536.51*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,323.26*	
		For Manual Roll Filter, Add	*42,861.90*	
		For Automatic Roll Filter, Add	*53,220.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*11,784.62*	
		For Electric Heating Coil, Add	*13,856.44*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*42,861.90*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*42,861.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,143.71*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*53,220.99*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*53,220.99*	
		For 2 Coils, Independent Circuits, Add	*13,856.44*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	133,335.68	10,806.22
		For Economizer, Panel, Controls And Damper(s), Add	*4,077.33*	
		For Flat Filter Box And Throwaway Filters, Add	*12,562.79*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,767.11*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*31,021.59*	
		For Manual Roll Filter, Add	*48,709.61*	
		For Automatic Roll Filter, Add	*60,501.62*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,333.57*	
		For Electric Heating Coil, Add	*15,691.97*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*48,709.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*48,709.61*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,125.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,501.62*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*60,501.62*	
		For 2 Coils, Independent Circuits, Add	*15,691.97*	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	144,534.81	11,631.48
		For Economizer, Panel, Controls And Damper(s), Add	*4,258.55*	
		For Flat Filter Box And Throwaway Filters, Add	*13,622.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,350.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,640.15*	
		For Manual Roll Filter, Add	*52,826.82*	
		For Automatic Roll Filter, Add	*65,617.94*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,453.48*	
		For Electric Heating Coil, Add	*17,011.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,826.82*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,826.82*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,244.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,617.94*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,617.94*	
		For 2 Coils, Independent Circuits, Add	*17,011.70*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	161,402.10	13,610.54
		For Economizer, Panel, Controls And Damper(s), Add	*4,258.09*	
		For Flat Filter Box And Throwaway Filters, Add	*15,168.98*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,656.34*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,436.82*	
		For Manual Roll Filter, Add	*58,733.44*	
		For Automatic Roll Filter, Add	*72,931.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,140.21*	
		For Electric Heating Coil, Add	*18,979.76*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*58,733.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*58,733.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,337.95*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*72,931.18*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*72,931.18*	
		For 2 Coils, Independent Circuits, Add	*18,979.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	162,128.60	14,105.83
		For Economizer, Panel, Controls And Damper(s), Add	*4,348.90*	
		For Flat Filter Box And Throwaway Filters, Add	*15,205.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,707.20*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*37,509.47*	
		For Manual Roll Filter, Add	*58,806.09*	
		For Automatic Roll Filter, Add	*73,003.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,212.86*	
		For Electric Heating Coil, Add	*19,052.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*58,806.09*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*58,806.09*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,410.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*73,003.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*73,003.83*	
		For 2 Coils, Independent Circuits, Add	*19,052.41*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	169,603.43	14,600.30
		For Economizer, Panel, Controls And Damper(s), Add	*4,439.71*	
		For Flat Filter Box And Throwaway Filters, Add	*15,916.46*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*23,770.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,269.20*	
		For Manual Roll Filter, Add	*61,578.06*	
		For Automatic Roll Filter, Add	*76,450.64*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,960.34*	
		For Electric Heating Coil, Add	*19,934.86*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*61,578.06*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*61,578.06*	
		For Steam Heating Coil, Aluminum Fins, Add	*31,832.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*76,450.64*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*76,450.64*	
		For 2 Coils, Independent Circuits, Add	*19,934.86*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	177,367.27	15,673.15
		For Economizer, Panel, Controls And Damper(s), Add	*4,626.91*	
		For Flat Filter Box And Throwaway Filters, Add	*16,617.96*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,815.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*40,985.53*	
		For Manual Roll Filter, Add	*64,234.33*	
		For Automatic Roll Filter, Add	*79,733.54*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,736.73*	
		For Electric Heating Coil, Add	*20,836.57*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*64,234.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*64,234.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,235.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*79,733.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*79,733.54*	
		For 2 Coils, Independent Circuits, Add	*20,836.57*	
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	191,251.87	16,498.05
		For Economizer, Panel, Controls And Damper(s), Add	*4,763.04*	
		For Flat Filter Box And Throwaway Filters, Add	*17,951.97*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*26,810.63*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*44,293.32*	
		For Manual Roll Filter, Add	*69,461.44*	
		For Automatic Roll Filter, Add	*86,240.20*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,125.19*	
		For Electric Heating Coil, Add	*22,480.94*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*69,461.44*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*69,461.44*	
		For Steam Heating Coil, Aluminum Fins, Add	*35,903.94*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*86,240.20*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*86,240.20*	
		For 2 Coils, Independent Circuits, Add	*22,480.94*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	205,654.78	17,405.44
		For Economizer, Panel, Controls And Damper(s), Add	*4,389.65*	
		For Flat Filter Box And Throwaway Filters, Add	*19,320.65*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*28,856.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*47,679.22*	
		For Manual Roll Filter, Add	*74,792.97*	
		For Automatic Roll Filter, Add	*92,868.79*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*20,565.48*	
		For Electric Heating Coil, Add	*24,180.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*74,792.97*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*74,792.97*	
		For Steam Heating Coil, Aluminum Fins, Add	*38,641.31*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*92,868.79*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*92,868.79*	
		For 2 Coils, Independent Circuits, Add	*24,180.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	221,601.81	18,477.82
		For Economizer, Panel, Controls And Damper(s), Add	*4,538.29*	
		For Flat Filter Box And Throwaway Filters, Add	*20,841.04*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*31,129.64*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*51,443.03*	
		For Manual Roll Filter, Add	*80,725.87*	
		For Automatic Roll Filter, Add	*100,247.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*22,160.18*	
		For Electric Heating Coil, Add	*26,064.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*80,725.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*80,725.87*	
		For Steam Heating Coil, Aluminum Fins, Add	*41,682.08*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*100,247.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*100,247.77*	
		For 2 Coils, Independent Circuits, Add	*26,064.56*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	237,918.62	18,972.75
		For Economizer, Panel, Controls And Damper(s), Add	*4,605.59*	
		For Flat Filter Box And Throwaway Filters, Add	*22,439.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*33,523.33*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*55,421.28*	
		For Manual Roll Filter, Add	*87,050.69*	
		For Automatic Roll Filter, Add	*108,136.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,791.86*	
		For Electric Heating Coil, Add	*28,009.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*87,050.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*87,050.69*	
		For Steam Heating Coil, Aluminum Fins, Add	*44,878.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*108,136.97*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*108,136.97*	
		For 2 Coils, Independent Circuits, Add	*28,009.12*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,855.03	659.81
23 73 13 00-0090	EA	500 CFM Return Air Fan	5,011.57	791.79
23 73 13 00-0091	EA	750 CFM Return Air Fan	5,235.24	824.78
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,988.98	874.28
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	6,168.41	915.53
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	6,307.52	956.77
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,619.40	1,006.27
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	7,373.13	1,055.76
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,725.04	1,105.25
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,916.31	1,154.75
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	8,373.92	1,278.48
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,588.94	1,344.47
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,791.91	1,402.22
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	9,047.09	1,468.33
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	9,273.51	1,542.57
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,693.24	1,724.05
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	10,996.37	2,045.75
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	11,285.27	2,078.75
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	11,417.05	2,087.00
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	12,027.33	2,120.00
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	12,299.81	2,144.74
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	12,943.95	2,227.59
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	13,804.21	2,268.36
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	15,625.43	2,332.83
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	17,049.53	2,458.09
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	20,335.70	2,565.10
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	21,315.23	2,654.54
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	22,293.20	2,730.43
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	23,610.56	3,002.65
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	25,251.12	3,167.39
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	28,534.16	3,299.26
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	33,665.69	3,629.21
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	41,482.21	4,124.16
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	50,613.51	4,272.99
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	52,993.56	4,396.38
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	54,209.68	4,511.86
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	56,855.64	4,709.72
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	59,718.50	4,941.64
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	64,251.16	5,184.04
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	67,094.16	5,458.85
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	69,258.03	5,769.72
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	74,495.16	6,033.81
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	80,170.06	6,322.41
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	86,328.34	6,640.94
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	94,503.04	6,994.71

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	3,021.62	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,098.89	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,098.99	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	9,303.42	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Single Zone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,054.35	2,001.02
		For High Heat, Add	*416.70*	
		For Unit Without Heat, Deduct	*-486.12*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*438.63*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,018.45	2,091.98
		For High Heat, Add	*496.77*	
		For Unit Without Heat, Deduct	*-540.39*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*522.91*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,645.02	2,182.93
		For High Heat, Add	*639.77*	
		For Unit Without Heat, Deduct	*-627.78*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*673.44*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	11,589.67	2,319.36
		For High Heat, Add	*807.23*	
		For Unit Without Heat, Deduct	*-734.11*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*849.72*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,567.10	2,455.80
		For High Heat, Add	*882.81*	
		For Unit Without Heat, Deduct	*-792.08*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*929.27*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,672.73	2,637.72
		For High Heat, Add	*1,059.80*	
		For Unit Without Heat, Deduct	*-909.48*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,115.58*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	17,682.44	2,774.15
		For High Heat, Add	*1,328.44*	
		For Unit Without Heat, Deduct	*-1,069.07*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,398.36*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	18,635.24	2,956.06
		For High Heat, Add	*1,395.91*	
		For Unit Without Heat, Deduct	*-1,128.83*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,216.70*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,469.38*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	22,976.25	3,194.37
		For High Heat, Add	*1,778.07*	
		For Unit Without Heat, Deduct	*-1,361.80*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,314.03*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,871.65*	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	24,954.00	3,433.58
		For High Heat, Add	*1,935.71*	
		For Unit Without Heat, Deduct	*-1,476.61*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,037.59*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	28,575.51	3,672.18
		For High Heat, Add	*2,249.51*	
		For Unit Without Heat, Deduct	*-1,673.60*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,367.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	32,281.70	3,911.09
		For High Heat, Add	*2,571.36*	
		For Variable Volume, Add	*1,218.01*	
		For Unit Without Heat, Deduct	*-1,874.82*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,571.36*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	35,940.91	4,308.87
		For High Heat, Add	*2,868.58*	
		For Variable Volume, Add	*1,358.80*	
		For Unit Without Heat, Deduct	*-2,084.31*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,868.58*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	38,318.16	4,706.95
		For High Heat, Add	*3,044.01*	
		For Variable Volume, Add	*1,441.90*	
		For Unit Without Heat, Deduct	*-2,229.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*3,044.01*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	41,142.49	5,150.51
		For High Heat, Add	*3,256.16*	
		For Variable Volume, Add	*1,542.39*	
		For Unit Without Heat, Deduct	*-2,400.48*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*3,256.16*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	44,930.06	5,593.77
		For High Heat, Add	*3,559.81*	
		For Variable Volume, Add	*1,686.23*	
		For Unit Without Heat, Deduct	*-2,619.42*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*3,559.81*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	52,088.37	6,526.07
		For High Heat, Add	*4,121.76*	
		For Variable Volume, Add	*1,952.41*	
		For Unit Without Heat, Deduct	*-3,039.49*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*4,121.76*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	59,795.18	7,458.36
		For High Heat, Add	*4,735.82*	
		For Variable Volume, Add	*2,243.28*	
		For Unit Without Heat, Deduct	*-3,486.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*4,735.82*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	65,361.30	8,413.39
		For High Heat, Add	*5,143.63*	
		For Variable Volume, Add	*2,436.45*	
		For Unit Without Heat, Deduct	*-3,828.96*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*5,143.63*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	75,447.84	9,368.43
		For High Heat, Add	*5,980.88*	
		For Variable Volume, Add	*2,833.05*	
		For Unit Without Heat, Deduct	*-4,396.95*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*5,980.88*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	84,055.70	10,277.98
		For High Heat, Add	*6,683.41*	
		For Variable Volume, Add	*3,165.83*	
		For Unit Without Heat, Deduct	*-4,887.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*6,683.41*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	90,874.62	11,187.54
		For High Heat, Add	*7,216.00*	
		For Variable Volume, Add	*3,418.11*	
		For Unit Without Heat, Deduct	*-5,289.57*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*7,216.00*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	97,375.82	12,097.10
		For High Heat, Add	*7,718.40*	
		For Variable Volume, Add	*3,656.09*	
		For Unit Without Heat, Deduct	*-5,675.26*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*7,718.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	104,720.35	13,006.65
		For High Heat, Add	*8,300.92*	
		For Variable Volume, Add	*3,932.02*	
		For Unit Without Heat, Deduct	*-6,103.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*8,300.92*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	113,456.49	14,007.17
		For High Heat, Add	*9,004.13*	
		For Variable Volume, Add	*4,265.11*	
		For Unit Without Heat, Deduct	*-6,606.64*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*9,004.13*	

23 74 16 13-0027 Electric Cooling, Electric Heat, Multizone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0028	EA	25 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	53,408.79	4,706.95
		For High Heat, Add	*4,477.62*	
		For Variable Volume, Add	*2,120.98*	
		For Unit Without Heat, Deduct	*-2,984.24*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*4,477.62*	
23 74 16 13-0029	EA	27.5 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	57,284.82	5,150.51
		For High Heat, Add	*4,789.68*	
		For Variable Volume, Add	*2,268.80*	
		For Unit Without Heat, Deduct	*-3,207.60*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*4,789.68*	
23 74 16 13-0030	EA	30 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	62,577.76	5,593.77
		For High Heat, Add	*5,236.34*	
		For Variable Volume, Add	*2,480.37*	
		For Unit Without Heat, Deduct	*-3,501.81*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*5,236.34*	
23 74 16 13-0031	EA	35 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	72,521.92	6,526.07
		For High Heat, Add	*6,062.95*	
		For Variable Volume, Add	*2,871.92*	
		For Unit Without Heat, Deduct	*-4,061.17*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*6,062.95*	
23 74 16 13-0032	EA	40 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	83,272.90	7,458.36
		For High Heat, Add	*6,966.20*	
		For Variable Volume, Add	*3,299.78*	
		For Unit Without Heat, Deduct	*-4,660.87*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*6,966.20*	
23 74 16 13-0033	EA	45 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	90,860.73	8,413.39
		For High Heat, Add	*7,566.07*	
		For Variable Volume, Add	*3,583.93*	
		For Unit Without Heat, Deduct	*-5,103.93*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*7,566.07*	
23 74 16 13-0034	EA	50 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	105,097.93	9,368.43
		For High Heat, Add	*8,797.64*	
		For Variable Volume, Add	*4,167.30*	
		For Unit Without Heat, Deduct	*-5,879.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*8,797.64*	
23 74 16 13-0035	EA	55 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	117,188.59	10,277.98
		For High Heat, Add	*9,831.04*	
		For Variable Volume, Add	*4,656.81*	
		For Unit Without Heat, Deduct	*-6,544.63*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*9,831.04*	
23 74 16 13-0036	EA	60 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	126,647.80	11,187.54
		For High Heat, Add	*10,614.45*	
		For Variable Volume, Add	*5,027.90*	
		For Unit Without Heat, Deduct	*-7,078.23*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*10,614.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0037	EA	65 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	135,639.66	12,097.10
		For High Heat, Add	*11,353.47*	
		For Variable Volume, Add	*5,377.96*	
		For Unit Without Heat, Deduct	*-7,588.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*11,353.47*	
23 74 16 13-0038	EA	70 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	145,872.03	13,006.65
		For High Heat, Add	*12,210.33*	
		For Variable Volume, Add	*5,783.84*	
		For Unit Without Heat, Deduct	*-8,160.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*12,210.33*	
23 74 16 13-0039	EA	75 Ton Electric Cooling, Electric Heat, Multizone, Self Contained Package Rooftop Unit	158,094.28	14,007.17
		For High Heat, Add	*13,244.72*	
		For Variable Volume, Add	*6,273.81*	
		For Unit Without Heat, Deduct	*-8,838.53*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*13,244.72*	

23 74 16 13-0040 Electric Cooling, Gas Heat, Single Zone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0041	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	6,944.94	1,819.12
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*451.95*	
23 74 16 13-0042	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	8,115.77	2,091.98
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*532.65*	
23 74 16 13-0043	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	10,285.12	2,410.32
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*707.14*	
23 74 16 13-0044	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	11,707.93	2,592.23
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*825.16*	
23 74 16 13-0045	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	13,282.26	2,796.89
		For Unit Without Factory Installed Economizer, Deduct	*-1,165.66*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
		For High Efficiency, Add	*955.31*	
23 74 16 13-0046	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	15,625.00	2,933.32
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,171.39*	
23 74 16 13-0047	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	19,596.63	2,433.06
		For Unit Without Factory Installed Economizer, Deduct	*-1,189.75*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,538.24*	
23 74 16 13-0048	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	20,162.19	3,274.41
		For Unit Without Factory Installed Economizer, Deduct	*-1,216.70*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*1,579.63*	
23 74 16 13-0049	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	25,318.41	3,547.27
		For Unit Without Factory Installed Economizer, Deduct	*-1,314.03*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,058.87*	
23 74 16 13-0050	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	27,550.42	3,820.14
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,245.69*	
23 74 16 13-0051	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	32,097.02	4,093.01
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*2,663.97*	
23 74 16 13-0052	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	40,858.96	4,365.87
		For Variable Volume, Add	*1,576.70*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*3,328.59*	
23 74 16 13-0053	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	50,000.18	4,820.65
		For Variable Volume, Add	*1,960.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*4,139.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0054	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	59,141.40	5,214.79
		For Variable Volume, Add	*2,344.84*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*4,950.21*	
23 74 16 13-0055	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	60,870.78	5,730.21
		For Variable Volume, Add	*2,395.37*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*5,056.90*	
23 74 16 13-0056	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	63,506.89	6,184.98
		For Variable Volume, Add	*2,486.71*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*5,249.72*	
23 74 16 13-0057	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	70,634.45	7,230.97
		For Variable Volume, Add	*2,744.69*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*5,794.35*	
23 74 16 13-0058	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	78,447.04	8,276.96
		For Variable Volume, Add	*3,033.50*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*6,404.05*	
23 74 16 13-0059	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	84,832.79	9,322.95
		For Variable Volume, Add	*3,258.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*6,878.21*	
23 74 16 13-0060	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	90,490.67	10,368.94
		For Variable Volume, Add	*3,449.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*7,283.21*	
23 74 16 13-0061	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	99,523.83	11,414.92
		For Variable Volume, Add	*3,793.68*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*8,008.87*	
23 74 16 13-0062	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	108,166.32	12,460.92
		For Variable Volume, Add	*4,119.83*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*8,697.42*	
23 74 16 13-0063	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	116,842.35	12,983.91
		For Variable Volume, Add	*4,478.87*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*9,455.39*	
23 74 16 13-0064	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	125,619.95	13,484.17
		For Variable Volume, Add	*4,843.85*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*10,225.90*	
23 74 16 13-0065	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	138,286.47	14,007.17
		For Variable Volume, Add	*5,382.46*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*11,362.97*	
23 74 16 13-0066	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	163,161.53	14,552.90
		For Variable Volume, Add	*6,469.10*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*13,656.98*	
23 74 16 13-0067	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	190,704.95	17,099.65
		For Variable Volume, Add	*7,555.74*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*15,951.01*	
23 74 16 13-0068	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	214,429.44	20,828.84
		For Variable Volume, Add	*8,399.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*17,732.48*	

23 74 16 13-0069 Electric Cooling, Gas Heat, Multizone, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0070	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	83,679.84	5,214.79
		For Variable Volume, Add	*3,449.07*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
		For High Efficiency, Add	*7,281.36*	
23 74 16 13-0071	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	85,938.06	5,730.21
		For Variable Volume, Add	*3,523.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*7,438.29*	
23 74 16 13-0072	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	89,530.01	6,184.98
		For Variable Volume, Add	*3,657.75*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*7,721.92*	
23 74 16 13-0073	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	99,357.31	7,230.97
		For Variable Volume, Add	*4,037.22*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
		For High Efficiency, Add	*8,523.02*	
23 74 16 13-0074	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	110,192.24	8,276.96
		For Variable Volume, Add	*4,462.03*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*9,419.85*	
23 74 16 13-0075	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	118,928.39	9,322.95
		For Variable Volume, Add	*4,792.40*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*10,117.29*	
23 74 16 13-0076	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	126,593.90	10,368.94
		For Variable Volume, Add	*5,074.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	
		For High Efficiency, Add	*10,713.02*	
23 74 16 13-0077	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	139,224.19	11,414.92
		For Variable Volume, Add	*5,580.19*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*11,780.41*	
23 74 16 13-0078	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	151,279.83	12,460.92
		For Variable Volume, Add	*6,059.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,728.13*	
		For High Efficiency, Add	*12,793.20*	
23 74 16 13-0079	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	163,713.18	12,983.91
		For Variable Volume, Add	*6,588.06*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*13,908.12*	
23 74 16 13-0080	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	176,310.23	13,484.17
		For Variable Volume, Add	*7,124.91*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-2,980.08*	
		For High Efficiency, Add	*15,041.48*	
23 74 16 13-0081	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	194,613.26	14,007.17
		For Variable Volume, Add	*7,917.17*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*16,714.02*	
23 74 16 13-0082	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	230,859.81	14,552.90
		For Variable Volume, Add	*9,515.52*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*20,088.32*	
23 74 16 13-0083	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	269,774.87	17,099.65
		For Variable Volume, Add	*11,113.89*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*23,462.66*	
23 74 16 13-0084	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Multizone, Self Contained Package Rooftop Unit	302,330.16	20,828.84
		For Variable Volume, Add	*12,355.13*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,483.92*	
		For Unit Without Roof Curb, Deduct	*-3,318.11*	
		For High Efficiency, Add	*26,083.05*	

23 74 16 13-0085 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14.8 SEER minimum, units 5 to < 20 tons have 13.7 EER minimum, and units 20 tons and over have 12.1 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 74 16 13-0086 AAON RQ Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 74 16 13-0087	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002)	15,770.50	1,819.12
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,689.79*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,833.32*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,443.36*	
		For Factory Installed Non-Fused Disconnect, Add	*1,651.88*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0088	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003)	17,190.45	2,091.98
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0089	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004)	17,855.92	2,410.32
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0090	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005)	18,312.40	2,592.23
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	
23 74 16 13-0091	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006)	20,034.05	3,160.77
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,811.65*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,966.01*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,546.27*	
		For Factory Installed Non-Fused Disconnect, Add	*1,771.03*	
		For Factory Installed Exhaust Fan, Add	*8,421.88*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,966.01*	

23 74 16 13-0092 AAON RNA Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 74 16 13-0093	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006)	24,261.24	2,796.95
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	
23 74 16 13-0094	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007)	25,902.76	2,933.38
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	
23 74 16 13-0095	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)	29,748.01	3,160.77
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	
23 74 16 13-0096	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)	30,043.13	3,274.41
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,762.91*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,708.00*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,806.24*	
		For Factory Installed Non-Fused Disconnect, Add	*1,668.13*	
		For Factory Installed Exhaust Fan, Add	*4,497.99*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,532.73*	

23 74 16 13-0097 AAON RNB Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0098	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	35,662.23	3,274.41
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	
23 74 16 13-0099	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	35,939.03	3,183.45
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	
23 74 16 13-0100	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	39,180.87	3,547.27
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	
23 74 16 13-0101	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	40,172.94	3,820.14
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,596.97*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,031.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*4,289.47*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,540.85*	

23 74 16 13-0102 AAON RNC Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0103	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	51,795.68	3,820.14
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0104	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	55,956.12	4,093.01
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0105	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	59,290.62	4,365.87
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0106	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	64,123.96	5,275.43
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	
23 74 16 13-0107	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	72,716.00	6,184.98
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,834.53*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,708.00*	
		For Factory Installed Non-Fused Disconnect, Add	*1,611.26*	
		For Factory Installed Exhaust Fan, Add	*7,866.74*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*701.37*	

23 74 16 13-0108 AAON RND Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0109	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	106,519.22	5,275.43
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0110	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	121,343.48	6,184.98
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0111	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	142,800.62	8,276.96
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0112	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	167,357.65	10,368.94
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0113	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	183,651.26	12,460.92
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	
23 74 16 13-0114	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070)	193,195.62	13,484.23
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,722.25*	
		For Factory Installed Non-Fused Disconnect, Add	*4,031.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*5,657.82*	

23 74 16 13-0115 AAON RNE Rooftop Units *(23 74 16 13-0085)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0116	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055)	178,576.06	11,414.92
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0117	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065)	196,643.94	12,983.97
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0118	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075)	209,052.93	14,007.17
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0119	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090)	252,688.32	18,964.25
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0120	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105)	273,528.23	21,647.44
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0121	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120)	319,182.13	23,830.36
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0122	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130)	326,860.74	25,285.65
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	
23 74 16 13-0123	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140)	342,294.56	28,287.21
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*4,204.65*	
		For Factory Installed Non-Fused Disconnect, Add	*6,038.98*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*8,040.06*	

23 74 16 13-0124 Packaged Rooftop Units (Trane, Carrier Or Equal) *(23 74 16 13)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0125 Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*

23 74 16 13-0126 Standard Efficiency Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0125)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 74 16 13-0127	EA	3 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_036)	12,796.88	2,091.98
		For Factory Installed Economizer, Add	*1,279.74*	
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0128	EA	4 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_048)	14,249.38	2,410.32
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0129	EA	5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_060)	15,549.85	2,592.23
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0130	EA	6 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_072)	17,160.05	2,796.95
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0131	EA	7.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_092)	20,072.07	2,933.38
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0132	EA	8.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_102)	21,795.77	3,160.77
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0133	EA	10 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Precedent YS_120)	28,800.37	3,274.41
		For Factory Installed Economizer, Add	*1,386.38*	
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
23 74 16 13-0134	EA	12.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_150)	33,063.13	3,547.27
		For Economizer, Add	*2,434.87*	
		For Roof Curb, Add	*939.13*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0135	EA	15 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_180)	36,120.81	3,820.14
		For Economizer, Add	*2,434.87*	
		For Roof Curb, Add	*939.13*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0136	EA	17.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_210)	41,688.91	4,093.01
		For Economizer, Add	*2,434.87*	
		For Roof Curb, Add	*939.13*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0137	EA	20 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_240)	45,540.02	4,365.87
		For Economizer, Add	*2,434.87*	
		For Roof Curb, Add	*939.13*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0138	EA	25 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager YS_300)	52,552.12	5,275.43
		For Economizer, Add	*2,434.87*	
		For Roof Curb, Add	*939.13*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0139	EA	27.5 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_330)	57,330.44	5,730.21
		For Economizer And Powered Exhaust, Add	*5,448.05*	
		For Roof Curb, Add	*1,645.39*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0140	EA	30 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_360)	60,436.57	6,184.98
		For Economizer And Powered Exhaust, Add	*5,448.05*	
		For Roof Curb, Add	*1,645.39*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0141	EA	35 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_420)	67,848.13	7,230.97
		For Economizer And Powered Exhaust, Add	*5,448.05*	
		For Roof Curb, Add	*1,645.39*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0142	EA	40 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_480)	73,958.63	8,276.96
		For Economizer And Powered Exhaust, Add	*5,448.05*	
		For Roof Curb, Add	*1,876.66*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0143	EA	50 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Voyager III YC_600)	86,203.09	10,368.94
		For Economizer And Powered Exhaust, Add	*5,448.05*	
		For Roof Curb, Add	*1,876.66*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0144	EA	55 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	140,607.31	11,414.92
		For Economizer And Powered Exhaust, Add	*14,740.74*	
		For Roof Curb, Add	*2,977.09*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0145	EA	60 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	151,372.09	12,460.92
		For Economizer And Powered Exhaust, Add	*16,692.39*	
		For Roof Curb, Add	*3,314.83*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0146	EA	70 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	170,015.28	13,484.23
		For Economizer And Powered Exhaust, Add	*17,330.18*	
		For Roof Curb, Add	*3,314.83*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0147	EA	75 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF754)	184,242.93	14,007.17
		For Economizer And Powered Exhaust, Add	*18,082.14*	
		For Roof Curb, Add	*3,314.83*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0148	EA	90 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKC904)	222,095.83	17,099.65
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
23 74 16 13-0149	EA	105 Ton, Standard Efficiency, Gas Heat, Electric Cooling, DX Unitary Package Rooftop Unit (Trane Intellipak SFHKD114)	241,322.05	21,647.44
		Note: Includes economizer, powered exhaust and roof curb.		
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	

23 74 16 13-0150 High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0125)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0151	EA	3 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_036)	13,667.10	2,091.98
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0152	EA	4 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_048)	15,486.47	2,410.32
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0153	EA	5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_060)	16,949.04	2,592.23
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0154	EA	6 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_072)	18,525.11	2,796.95
		For Roof Curb, Add	*835.50*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0155	EA	7.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_092)	26,711.79	2,933.38
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0156	EA	8.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_102)	28,648.78	3,160.77
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0157	EA	10 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Precedent YH_120)	31,210.55	3,274.41
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0158	EA	12.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_150)	36,012.93	3,547.27
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0159	EA	15 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_180)	40,296.92	3,820.14
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0160	EA	17.5 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_210)	46,859.81	4,093.01
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0161	EA	20 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_240)	51,619.86	4,365.87
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0162	EA	25 Ton, High Efficiency, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Voyager YH_300)	66,360.51	5,275.43
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0163	EA	30 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF304)	95,312.20	6,184.98
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*252.78*	
		For Economizer And Powered Exhaust, Add	*7,752.00*	
23 74 16 13-0164	EA	40 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF404)	126,973.32	8,276.96
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Economizer And Powered Exhaust, Add	*8,726.00*	
23 74 16 13-0165	EA	50 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF504)	157,795.83	10,368.94
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Economizer And Powered Exhaust, Add	*12,792.28*	
23 74 16 13-0166	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF554)	175,169.65	11,414.92
		For Economizer And Powered Exhaust, Add	*14,740.74*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*252.78*	
23 74 16 13-0167	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF604)	185,901.55	12,460.92
		For Economizer And Powered Exhaust, Add	*16,692.39*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*252.78*	
23 74 16 13-0168	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Gas Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SFHLF704)	208,453.55	13,484.23
		For Economizer And Powered Exhaust, Add	*17,330.18*	
		For Roof Curb, Add	*2,977.09*	
		For Factory Installed BACnet, Add	*1,422.40*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	

23 74 16 13-0169 Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0170	EA	3 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_036E)	9,829.82	1,882.78
		For Roof Curb, Add	*835.50*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0171	EA	4 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_048F)	10,989.85	2,169.35
		For Roof Curb, Add	*835.50*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,165.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0172	EA	5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_060E)	12,005.04	2,333.08
		For Roof Curb, Add	*835.50*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0173	EA	6 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_072F)	13,428.99	2,517.16
		For Roof Curb, Add	*835.50*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0174	EA	7.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_090F)	15,657.67	2,640.01
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0175	EA	8.5 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_102F)	17,019.20	2,844.61
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0176	EA	10 Ton, Ultra High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Precedent eFlex TZ_120F)	18,658.80	2,946.96
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0177	EA	12.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ_150F)	20,874.64	3,192.54
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0178	EA	15 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ_180F)	23,534.25	3,438.13
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0179	EA	17.5 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager eFlex TZ_210F)	29,027.66	3,683.71
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0180	EA	20 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH_240)	32,766.25	3,929.28
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0181	EA	25 Ton, High Efficiency, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Voyager TH_300)	38,579.66	4,747.89
		Note: * = Downflow or Horizontal		
		For Roof Curb, Add	*1,002.62*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0182	EA	30 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*30)	82,951.35	5,566.49
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Roof Curb, Add	*252.78*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0183	EA	40 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*40)	110,508.02	7,448.66
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0184	EA	50 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*50)	137,337.20	9,332.05
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Demand Control Ventilation, Add	*46.81*	
23 74 16 13-0185	EA	55 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*55)	152,510.90	10,273.50
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Demand Control Ventilation, Add	*46.81*	
		For Roof Curb, Add	*252.78*	
23 74 16 13-0186	EA	60 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*60)	166,385.44	11,214.83
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Demand Control Ventilation, Add	*46.81*	
		For Roof Curb, Add	*252.78*	
23 74 16 13-0187	EA	70 Ton, Variable Speed Compressor, Electric Cooling, Electric Heat, DX Unitary Package Rooftop Unit (Trane Intellipak SEHL*70)	184,037.27	12,135.78
		For Roof Curb, Add	*2,977.09*	
		For Factory Installed VAV Single Zone Option (VFD Without Bypass), Add	*2,188.30*	
		For Demand Control Ventilation, Add	*46.81*	

23 74 16 13-0188 Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*

See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0189		High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0188)*		
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.		
23 74 16 13-0190	EA	3 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_036)	8,851.39	1,882.78
		For Roof Curb, Add	*835.50*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0191	EA	4 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_048)	10,071.04	2,169.35
		For Roof Curb, Add	*835.50*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0192	EA	5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_060)	11,010.69	2,333.08
		For Roof Curb, Add	*835.50*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0193	EA	6 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_072)	11,926.38	2,517.16
		For Roof Curb, Add	*835.50*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0194	EA	7.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_092)	15,864.45	2,640.01
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0195	EA	8.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_102)	17,003.71	2,844.61
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0196	EA	10 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Precedent TH_120)	18,467.86	2,946.96
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0197	EA	12.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_150)	22,712.17	3,192.54
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0198	EA	15 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_180)	24,098.53	3,438.13
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0199	EA	17.5 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_210)	28,261.60	3,683.71
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0200	EA	20 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_240)	30,664.36	3,929.28
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0201	EA	25 Ton, High Efficiency, Cooling Only DX Unitary Package Rooftop Unit (Trane Voyager TH_300)	33,813.66	4,747.89
		For Roof Curb, Add	*1,002.62*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0202		Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0124)*		
		See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0203		Standard Efficiency Heat Pump Unitary Package Rooftop Unit (Trane, Carrier Or Equal) *(23 74 16 13-0202)*		
		Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.		
23 74 16 13-0204	EA	3 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_036)	9,601.19	1,882.78
		For Roof Curb, Add	*835.50*	
		For High Efficiency, Add	*868.62*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0205	EA	4 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_048)	10,632.00	2,169.35
		For Roof Curb, Add	*835.50*	
		For High Efficiency, Add	*948.10*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0206	EA	5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_060)	11,677.89	2,333.08
		For Roof Curb, Add	*835.50*	
		For High Efficiency, Add	*1,049.48*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0207	EA	6 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_072)	12,751.07	2,517.16
		For Roof Curb, Add	*835.50*	
		For High Efficiency, Add	*1,150.86*	
		For Factory Installed Electric Heat, Add	*1,143.23*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,165.66*	
23 74 16 13-0208	EA	7.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_090)	14,353.27	2,640.01
		For Roof Curb, Add	*1,002.62*	
		For High Efficiency, Add	*1,327.08*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0209	EA	8.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_102)	17,079.14	2,844.61
		For Roof Curb, Add	*1,002.62*	
		For High Efficiency, Add	*1,627.57*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,189.75*	
23 74 16 13-0210	EA	10 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Precedent WS_120)	19,668.57	2,946.96
		For Roof Curb, Add	*1,002.62*	
		For High Efficiency, Add	*1,928.06*	
		For Factory Installed Electric Heat, Add	*1,388.52*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*1,871.17*	
		Note: Includes CO2 wall mounted sensor.		
		For Factory Installed Economizer, Add	*1,216.70*	
23 74 16 13-0211	EA	12.5 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WC_150)	24,551.19	3,192.54
		For Roof Curb, Add	*1,002.62*	
		For High Efficiency, Add	*2,486.07*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
		For Factory Installed Economizer, Add	*1,314.03*	
23 74 16 13-0212	EA	15 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WC_180)	26,797.96	3,438.13
		For Roof Curb, Add	*1,002.62*	
		For High Efficiency, Add	*2,721.19*	
		For Factory Installed Electric Heat, Add	*1,603.94*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		
23 74 16 13-0213	EA	20 Ton, Standard Efficiency, Heat Pump Unitary Package Rooftop Unit (Trane Voyager WC_240)	35,330.48	3,929.28
		For Roof Curb, Add	*1,002.62*	
		For High Efficiency, Add	*3,686.20*	
		For Factory Installed Electric Heat, Add	*1,851.36*	
		For Factory Installed BACnet, Add	*1,030.05*	
		For Demand Control Ventilation, Add	*2,308.76*	
		Note: Includes ventilation module and CO2 wall mounted sensor kit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0214		**Trane Curb Adapters** *(23 74 16 13)* Note: All adapter selections assume the existing unit rests on a factory standard curb. The new unit reference is based on current Trane units, Precedent and Voyager II models only. The existing unit reference is based on Trane, Carrier, York or Lennox units only. Non-standard L-shape and/or duct shroud configurations were not considered. Trane Intellipak or Voyager III footprints are not considered. Some units have larger than normal sizes or multiple footprints possible, which were not considered. Step-sized replacements (installing new unit that is either larger or smaller capacity than existing) are not considered.		
23 74 16 13-0215	EA	3 To 5 Ton, Trane Curb Adapter	1,678.98	
23 74 16 13-0216	EA	6 To 7-1/2 Ton, Trane Curb Adapter	2,194.01	
23 74 16 13-0217	EA	8-1/2 To 10 Ton, Trane Curb Adapter	2,297.01	
23 74 16 13-0218	EA	12-1/2 Ton, Standard Efficiency, Trane Curb Adapter	2,513.32	
23 74 16 13-0219	EA	12-1/2 Ton, High Efficiency, Trane Curb Adapter	2,564.82	
23 74 16 13-0220	EA	15 Ton, Trane Curb Adapter	2,812.04	
23 74 16 13-0221	EA	17-1/2 Ton, Trane Curb Adapter	2,832.64	
23 74 16 13-0222	EA	20 Ton, Trane Curb Adapter	3,162.25	
23 74 16 13-0223	EA	25 Ton, Trane Curb Adapter	3,605.18	
23 74 16 13-0224		**Condenser Coil Guards** *(23 74 16 13)*		
23 74 16 13-0225	EA	Condenser Coil Guard (Trane BAYGARD058A) Note: Coil Guard for TTA/TWA061, TTA/TWA073, TTA/TWA076 and CTA/TTA/TWA090 Condenser Coils.	1,163.01	92.04
23 74 16 13-0226	EA	Condenser Coil Guard (Trane BAYGARD059A) Note: Coil Guard for TTA086, TTA101 and CTA/TTA120 Condenser Coils.	1,478.34	107.38
23 74 16 13-0227	EA	Condenser Coil Guard (Trane BAYGARD060A) Note: Coil Guard for TWA101, TWA120, TTA126 and TTA150 Condenser Coils.	1,578.43	122.72
23 74 16 13-0228	EA	Condenser Coil Guard (Trane BAYGARD061A) Note: Coil Guard for TTA/TWA156, CTA/TTA/TWA180, TTA/TWA201 and TTA/TWA240 Condenser Coils.	2,105.50	138.06
23 74 16 13-0229	EA	Condenser Coil Guard (Trane BAYGARD062A) Note: Coil Guard for TTA300 and TTA251 Split-System Air Conditioners.	2,337.52	153.40
23 74 16 13-0230		**Heat Pump, Packaged Rooftop Heat Pump Units** *(23 74 16 13)* See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0231		**Packaged Rooftop Heat Pump Units** *(23 74 16 13-0230)* Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0232	EA	2 Ton Packaged Rooftop Heat Pump	7,404.64	1,637.20
		For Economizer With Outside Air Control, Add	*2,188.02*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*261.09*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0233	EA	2.5 Ton Packaged Rooftop Heat Pump	7,797.90	1,760.05
		For Economizer With Outside Air Control, Add	*2,318.09*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*272.56*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0234	EA	3 Ton Packaged Rooftop Heat Pump	8,248.53	1,882.78
		For Economizer With Outside Air Control, Add	*2,460.20*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*286.91*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0235	EA	3.5 Ton Packaged Rooftop Heat Pump	8,851.73	2,026.01
		For Economizer With Outside Air Control, Add	*2,396.25*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*307.52*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0236	EA	4 Ton Packaged Rooftop Heat Pump	9,455.20	2,169.35
		For Economizer With Outside Air Control, Add	*2,561.87*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*328.14*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0237	EA	5 Ton Packaged Rooftop Heat Pump	10,134.42	2,333.08
		For Economizer With Outside Air Control, Add	*2,749.38*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*280.95*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0238	EA	6 Ton Packaged Rooftop Heat Pump	11,397.58	2,517.16
		For Economizer With Outside Air Control, Add	*3,045.15*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*241.24*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0239	EA	7.5 Ton Packaged Rooftop Heat Pump	14,632.81	2,640.01
		For Economizer With Outside Air Control, Add	*3,093.53*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*333.38*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0240	EA	8.5 Ton Packaged Rooftop Heat Pump	16,362.83	2,844.61
		For Economizer With Outside Air Control, Add	*3,279.12*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*377.10*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0241	EA	10 Ton Packaged Rooftop Heat Pump	17,588.74	2,946.96
		For Economizer With Outside Air Control, Add	*3,330.59*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.19*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0242	EA	12.5 Ton Packaged Rooftop Heat Pump	20,395.26	3,192.54
		For Economizer With Outside Air Control, Add	*3,742.21*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*322.77*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0243	EA	15 Ton Packaged Rooftop Heat Pump	23,201.78	3,438.13
		For Economizer With Outside Air Control, Add	*4,153.84*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*372.35*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0244	EA	17.5 Ton Packaged Rooftop Heat Pump	25,978.92	3,683.71
		For Economizer With Outside Air Control, Add	*4,562.54*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*421.35*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0245	EA	20 Ton Packaged Rooftop Heat Pump	28,756.04	3,929.28
		For Economizer With Outside Air Control, Add	*4,971.22*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*470.34*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	

23 74 16 13-0246 Heating Only Packaged Rooftop Units *(23 74 16 13-0230)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0247	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,256.02	1,637.20
		For Gas Heat, Add	*464.26*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0248	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,521.22	1,882.78
		For Gas Heat, Add	*546.28*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0249	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,624.25	2,169.35
		For Gas Heat, Add	*755.85*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0250	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	13,103.13	2,333.08
		For Gas Heat, Add	*855.01*	
		For Unit Without Roof Curb, Deduct	*-834.89*	
23 74 16 13-0251	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	15,387.94	2,640.01
		For Gas Heat, Add	*1,006.76*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0252	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	17,321.09	2,844.61
		For Gas Heat, Add	*1,136.62*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0253	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	20,458.33	2,946.96
		For Gas Heat, Add	*1,353.50*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0254	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	26,536.80	3,438.13
		For Gas Heat, Add	*1,765.89*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0255	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	34,965.83	3,683.71
		For Gas Heat, Add	*2,349.38*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0256	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	40,781.42	3,929.28
		For Gas Heat, Add	*2,749.92*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0257	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	52,955.28	4,338.58
		For Gas Heat, Add	*3,591.17*	
		For Unit Without Roof Curb, Deduct	*-1,004.23*	
23 74 16 13-0258	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	66,200.65	5,521.00
		For Gas Heat, Add	*4,496.52*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
23 74 16 13-0259	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	73,985.53	5,566.49
		For Gas Heat, Add	*5,030.55*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
23 74 16 13-0260	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	90,058.76	6,507.94
		For Gas Heat, Add	*6,130.57*	
		For Unit Without Roof Curb, Deduct	*-1,453.95*	
23 74 16 13-0261	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	116,795.44	8,390.72
		For Gas Heat, Add	*7,951.93*	
		For Unit Without Roof Curb, Deduct	*-2,197.61*	

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-1187 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-1188 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	9,129.56	545.73
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,466.00*	
		For Equipment Base Roof Curb, Add	*1,113.91*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	11,824.43	618.50
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,235.05*	
		For Equipment Base Roof Curb, Add	*1,446.83*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,495.81	727.64
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,584.92*	
		For Equipment Base Roof Curb, Add	*2,025.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	16,617.30	776.16
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,594.08*	
		For Equipment Base Roof Curb, Add	*2,038.05*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	22,767.95	873.18
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,393.80*	
		For Equipment Base Roof Curb, Add	*2,802.34*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	34,592.32	1,091.47
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,831.96*	
		For Equipment Base Roof Curb, Add	*4,269.47*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-1188 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	19,027.20	545.73
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,435.29*	
		For Equipment Base Roof Curb, Add	*2,351.11*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	27,271.36	618.50
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,869.13*	
		For Equipment Base Roof Curb, Add	*3,377.69*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	33,807.24	727.64
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*9,778.35*	
		For Equipment Base Roof Curb, Add	*4,189.52*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	43,764.11	873.18
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*12,692.65*	
		For Equipment Base Roof Curb, Add	*5,426.86*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	70,895.08	1,091.47
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*20,722.79*	
		For Equipment Base Roof Curb, Add	*8,807.31*	

23 74 23 13-0015 Direct Gas-Fired Make-Up Air Heaters *(23 74 23 13)*

Note: Direct gas fired heaters supply heated air into a building by passing fresh air directly over a gas flame in the air stream. Includes motorized intake air damper, intake hood, intake plenum, and factory pre-wired packaged control system. Excludes crane and associated personnel.

23 74 23 13-0016	EA	2,000 CFM, 188 MBH Input, 1 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 12" blower.	25,383.54	788.28
23 74 23 13-0017	EA	3,000 CFM, 282 MBH Input, 2 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 12" blower.	31,351.51	788.28
23 74 23 13-0018	EA	4,000 CFM, 376 MBH Input, 2 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 15" blower.	33,368.84	994.44
23 74 23 13-0019	EA	5,000 CFM, 470 MBH Input, 3 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has one 15" blower.	35,679.02	994.44
23 74 23 13-0020	EA	7,500 CFM, 705 MBH Input, 5 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 15" blowers.	40,735.96	1,212.74
23 74 23 13-0021	EA	10,000 CFM, 939 MBH Input, 5 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 18" blowers.	43,821.38	1,394.65
23 74 23 13-0022	EA	12,000 CFM, 1,127 MBH Input, 7.5 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 18" blowers.	48,241.52	1,394.65
23 74 23 13-0023	EA	18,000 CFM, 1,690 MBH Input, 10 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	50,998.11	1,588.69
23 74 23 13-0024	EA	20,000 CFM, 1,878 MBH Input, 15 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	56,311.52	1,588.69
23 74 23 13-0025	EA	26,000 CFM, 2,442 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 22" blowers.	57,055.40	1,588.69
23 74 23 13-0026	EA	28,000 CFM, 2,630 MBH Input, 15 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 27" blowers.	59,625.83	1,782.73
23 74 23 13-0027	EA	35,000 CFM, 3,287 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 27" blowers.	73,640.92	1,782.73
23 74 23 13-0028	EA	40,000 CFM, 3,757 MBH Input, 20 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	80,971.67	1,988.90
23 74 23 13-0029	EA	45,000 CFM, 4,226 MBH Input, 25 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	90,597.42	1,988.90
23 74 23 13-0030	EA	50,000 CFM, 4,696 MBH Input, 30 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	100,223.17	1,988.90
23 74 23 13-0031	EA	55,000 CFM, 5,165 MBH Input, 40 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	109,848.92	1,988.90
23 74 23 13-0032	EA	65,000 CFM, 6,104 MBH Input, 50 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 33" blowers.	129,100.42	1,988.90
23 74 23 13-0033	EA	70,000 CFM, 6,574 MBH Input, 40 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	152,602.42	2,182.93
23 74 23 13-0034	EA	90,000 CFM, 8,452 MBH Input, 50 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	194,955.72	2,182.93
23 74 23 13-0035	EA	100,000 CFM, 9,391 MBH Input, 60 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	216,132.37	2,182.93
23 74 23 13-0036	EA	110,000 CFM, 10,33 0MBH Input, 75 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	237,309.02	2,182.93
23 74 23 13-0037	EA	120,000 CFM, 11,270 MBH Input, 100 HP Direct Gas-Fired Rooftop Heater Note: MBH input at 80 degree temperature rise and 1-1/2" total static pressure. Unit has two 40" blowers.	258,485.67	2,182.93

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 76 13 00-0001		Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*		
		Note: Includes motor, belt and pads.		
23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,641.84	368.17
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,940.63	429.53
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,527.71	490.90
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,747.17	552.26
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,160.13	613.62
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,398.94	674.98
23 76 13 00-0008		Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*		
		Note: Excludes motor starter, piping, power wiring and equipment rigging.		
23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,216.67	362.34
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,319.55	374.07
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,939.41	519.51
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,522.73	613.25
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,180.82	897.78
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,531.08	957.63
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,636.68	1,077.34
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,417.51	1,346.67
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,385.80	1,760.36
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,704.18	1,795.56
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	13,360.54	1,995.10
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	17,843.59	3,117.32
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	20,049.48	3,252.83
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	22,280.04	3,400.67

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0001		Packaged Terminal Air-Conditioners *(23 81 13 11)*		
23 81 13 11-0002		Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*		
23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,158.71	230.11
		For >35 To 70, Deduct	*-50.96*	
		For >70 To 100, Deduct	*-84.93*	
		For >100, Deduct	*-118.90*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,280.58	276.88
		For >35 To 70, Deduct	*-51.82*	
		For >70 To 100, Deduct	*-86.37*	
		For >100, Deduct	*-120.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,414.01	295.07
		For >35 To 70, Deduct	*-54.69*	
		For >70 To 100, Deduct	*-91.16*	
		For >100, Deduct	*-127.62*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,608.62	317.17
		For >35 To 70, Deduct	*-59.24*	
		For >70 To 100, Deduct	*-98.73*	
		For >100, Deduct	*-138.22*	
23 81 13 11-0007		Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*		
23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,306.80	245.68
		For >35 To 70, Deduct	*-54.49*	
		For >70 To 100, Deduct	*-90.81*	
		For >100, Deduct	*-127.14*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,434.18	276.88
		For >35 To 70, Deduct	*-56.43*	
		For >70 To 100, Deduct	*-94.05*	
		For >100, Deduct	*-131.67*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,525.31	295.07
		For >35 To 70, Deduct	*-58.03*	
		For >70 To 100, Deduct	*-96.72*	
		For >100, Deduct	*-135.41*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,755.55	317.17
		For >35 To 70, Deduct	*-63.64*	
		For >70 To 100, Deduct	*-106.07*	
		For >100, Deduct	*-148.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 11-0012		Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)* Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	122.68	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	139.03	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	155.40	
23 81 13 11-0016		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)* Note: Includes storage and cleaning.		
23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	245.45	
23 81 13 13		**Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units** *(23 81 13)*		
23 81 13 13-0001		Single Package Vertical Wall Cooling Unit *(23 81 13 13)* Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-1188 for crane lifting equipment.		
23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,326.78	279.36
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	8,894.51	292.66
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	11,646.17	305.97
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	13,396.95	332.58
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,809.18	385.79
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	18,022.90	478.91
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	19,951.89	532.12
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	21,970.22	598.64
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	24,711.36	718.36
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	31,950.19	891.30
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	38,088.28	1,197.28
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	53,442.80	1,463.33
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	61,560.29	1,742.70
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	73,600.98	1,955.55
23 81 16		**Room Air-Conditioners** *(23 81)* Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.		
23 81 16 00-0001		Window Unit, Room Air-Conditioners *(23 81 16)*		
23 81 16 00-0002		Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0003		Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*		
23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	688.18	128.86
		For >10 To 50, Deduct	*-21.52*	
		For >50 To 75, Deduct	*-30.13*	
		For >75 To 100, Deduct	*-43.05*	
		For >100, Deduct	*-51.66*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	731.44	128.86
		For >10 To 50, Deduct	*-23.69*	
		For >50 To 75, Deduct	*-33.16*	
		For >75 To 100, Deduct	*-47.37*	
		For >100, Deduct	*-56.85*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	839.59	128.86
		For >10 To 50, Deduct	*-29.09*	
		For >50 To 75, Deduct	*-40.73*	
		For >75 To 100, Deduct	*-58.19*	
		For >100, Deduct	*-69.82*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	991.01	128.86
		For >10 To 50, Deduct	*-36.66*	
		For >50 To 75, Deduct	*-51.33*	
		For >75 To 100, Deduct	*-73.33*	
		For >100, Deduct	*-87.99*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	1,185.69	128.86
		For >10 To 50, Deduct	*-46.40*	
		For >50 To 75, Deduct	*-64.96*	
		For >75 To 100, Deduct	*-92.80*	
		For >100, Deduct	*-111.36*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	1,402.00	128.86
		For >10 To 50, Deduct	*-57.21*	
		For >50 To 75, Deduct	*-80.10*	
		For >75 To 100, Deduct	*-114.43*	
		For >100, Deduct	*-137.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	1,315.48	128.86
		For >10 To 50, Deduct	*-52.89*	
		For >50 To 75, Deduct	*-74.04*	
		For >75 To 100, Deduct	*-105.78*	
		For >100, Deduct	*-126.93*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	1,423.63	128.86
		For >10 To 50, Deduct	*-58.30*	
		For >50 To 75, Deduct	*-81.61*	
		For >75 To 100, Deduct	*-116.59*	
		For >100, Deduct	*-139.91*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,510.15	128.86
		For >10 To 50, Deduct	*-62.62*	
		For >50 To 75, Deduct	*-87.67*	
		For >75 To 100, Deduct	*-125.24*	
		For >100, Deduct	*-150.29*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,596.68	128.86
		For >10 To 50, Deduct	*-66.95*	
		For >50 To 75, Deduct	*-93.73*	
		For >75 To 100, Deduct	*-133.90*	
		For >100, Deduct	*-160.68*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,769.73	128.86
		For >10 To 50, Deduct	*-75.60*	
		For >50 To 75, Deduct	*-105.84*	
		For >75 To 100, Deduct	*-151.20*	
		For >100, Deduct	*-181.44*	
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,791.36	128.86
		For >10 To 50, Deduct	*-76.68*	
		For >50 To 75, Deduct	*-107.35*	
		For >75 To 100, Deduct	*-153.36*	
		For >100, Deduct	*-184.04*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	2,028.38	128.86
		For >10 To 50, Deduct	*-88.53*	
		For >50 To 75, Deduct	*-123.95*	
		For >75 To 100, Deduct	*-177.07*	
		For >100, Deduct	*-212.48*	
23 81 16 00-0017		Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*		
23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	1,448.38	128.86
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	1,580.81	128.86
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	1,641.00	128.86
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	1,665.08	128.86
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	1,881.78	128.86
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	2,423.54	128.86
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	2,604.12	128.86
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	2,844.90	128.86
23 81 16 00-0026		Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0027		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*		
23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,510.15	128.86
		For >10 To 50, Deduct	*-62.62*	
		For >50 To 75, Deduct	*-87.67*	
		For >75 To 100, Deduct	*-125.24*	
		For >100, Deduct	*-150.29*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,748.10	128.86
		For >10 To 50, Deduct	*-74.52*	
		For >50 To 75, Deduct	*-104.33*	
		For >75 To 100, Deduct	*-149.04*	
		For >100, Deduct	*-178.85*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,877.88	128.86
		For >10 To 50, Deduct	*-81.01*	
		For >50 To 75, Deduct	*-113.41*	
		For >75 To 100, Deduct	*-162.02*	
		For >100, Deduct	*-194.42*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	2,353.76	128.86
		For >10 To 50, Deduct	*-104.80*	
		For >50 To 75, Deduct	*-146.72*	
		For >75 To 100, Deduct	*-209.60*	
		For >100, Deduct	*-251.52*	
23 81 16 00-0032		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	1,725.27	128.86
23 81 16 00-0034		**Accessories** *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	645.93	71.49
23 81 16 00-0036		**Removal And Reinstallation Of Room Air-Conditioners** *(23 81 16)* Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	153.40	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	341.07	
23 81 16 00-0039		**Through-The-Wall, Room Air-Conditioners** *(23 81 16)* Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		**Cooling Only, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0041		**Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,085.81	92.04
		For >10 To 50, Deduct	*-45.09*	
		For >50 To 75, Deduct	*-63.12*	
		For >75 To 100, Deduct	*-90.17*	
		For >100, Deduct	*-108.21*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,170.08	92.04
		For >10 To 50, Deduct	*-49.30*	
		For >50 To 75, Deduct	*-69.02*	
		For >75 To 100, Deduct	*-98.60*	
		For >100, Deduct	*-118.32*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,326.59	92.04
		For >10 To 50, Deduct	*-57.13*	
		For >50 To 75, Deduct	*-79.98*	
		For >75 To 100, Deduct	*-114.25*	
		For >100, Deduct	*-137.10*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,170.08	92.04
		For >10 To 50, Deduct	*-49.30*	
		For >50 To 75, Deduct	*-69.02*	
		For >75 To 100, Deduct	*-98.60*	
		For >100, Deduct	*-118.32*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,326.59	92.04
		For >10 To 50, Deduct	*-57.13*	
		For >50 To 75, Deduct	*-79.98*	
		For >75 To 100, Deduct	*-114.25*	
		For >100, Deduct	*-137.10*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 16 00-0047		**Heating And Cooling, Through-The-Wall, Room Air-Conditioners** *(23 81 16 00-0039)*		
23 81 16 00-0048		**Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)** *(23 81 16 00-0047)*		
23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	1,362.71	92.04
		For >10 To 50, Deduct	*-58.93*	
		For >50 To 75, Deduct	*-82.50*	
		For >75 To 100, Deduct	*-117.86*	
		For >100, Deduct	*-141.43*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	1,459.02	92.04
		For >10 To 50, Deduct	*-63.75*	
		For >50 To 75, Deduct	*-89.25*	
		For >75 To 100, Deduct	*-127.49*	
		For >100, Deduct	*-152.99*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 23		**Computer-Room Air-Conditioners** *(23 81)* Note: Includes equipment rigging. Indoor units include filters.		
23 81 23 12		**Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units** *(23 81 23)*		
23 81 23 12-0001		Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)* Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	43,703.44	2,619.40
		For Liebert Unit, Add	*4,971.25*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	48,238.85	2,864.96
		For Liebert Unit, Add	*5,489.70*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	72,260.28	3,274.26
		For Liebert Unit, Add	*8,423.79*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	77,014.99	3,478.90
		For Liebert Unit, Add	*8,980.08*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	81,769.71	3,683.54
		For Liebert Unit, Add	*9,536.38*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	96,231.84	4,420.24
		For Liebert Unit, Add	*11,195.26*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	108,787.87	4,911.38
		For Liebert Unit, Add	*12,685.37*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	120,125.13	5,073.37
		For Liebert Unit, Add	*14,067.61*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	130,148.47	5,238.80
		For Liebert Unit, Add	*15,285.20*	
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	140,686.48	5,893.65
		For Liebert Unit, Add	*16,490.07*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	26,119.99	1,794.83
		For Liebert Unit, Add	*2,965.86*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	28,067.31	1,988.11
		For Liebert Unit, Add	*3,177.06*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	34,697.51	3,028.19
		For Liebert Unit, Add	*3,832.49*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,279.38	3,068.08
		For Liebert Unit, Add	*4,023.63*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,673.39	3,190.80
		For Liebert Unit, Add	*4,175.33*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	38,551.54	3,497.61
		For Liebert Unit, Add	*4,236.01*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	40,892.10	3,804.42
		For Liebert Unit, Add	*4,478.72*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	20,213.67	1,637.12
		For Liebert Unit, Add	*2,220.88*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	22,249.99	1,718.98
		For Liebert Unit, Add	*2,460.05*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	28,863.51	1,800.84
		For Liebert Unit, Add	*3,271.53*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,103.99	1,964.55
		For Liebert Unit, Add	*3,519.24*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	32,730.27	2,046.66
		For Liebert Unit, Add	*3,707.16*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,356.56	2,128.26
		For Liebert Unit, Add	*3,895.08*	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	35,701.28	2,291.97
		For Liebert Unit, Add	*4,031.75*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	37,273.17	2,455.68
		For Liebert Unit, Add	*4,202.59*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	38,385.10	2,619.40
		For Liebert Unit, Add	*4,312.68*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	43,827.19	3,110.54
		For Liebert Unit, Add	*4,897.32*	
23 81 23 12-0031	EA	30 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	52,423.32	3,410.72
		For Liebert Unit, Add	*5,913.73*	

23 81 23 12-0032 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0033	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	53,264.10	1,794.83
		For Drycooler, Add	*19,001.40*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	57,307.05	1,988.11
		For Drycooler, Add	*20,455.09*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	75,028.56	2,227.42
		For Drycooler, Add	*26,705.48*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	86,824.26	2,466.74
		For Drycooler, Add	*30,881.84*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	91,734.32	2,586.39
		For Drycooler, Add	*32,624.29*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	97,976.50	2,706.04
		For Drycooler, Add	*34,832.98*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	104,634.62	2,826.31
		For Drycooler, Add	*37,187.26*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0040	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	112,369.81	2,933.08
		For Drycooler, Add	*39,918.50*	
		Note: Installation is externally mounted.		
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	119,679.32	3,068.08
		For Drycooler, Add	*42,504.45*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	131,317.51	3,190.80
		For Drycooler, Add	*46,601.74*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	136,087.32	3,497.61
		For Drycooler, Add	*48,330.09*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0044	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	166,009.05	3,804.42
		For Drycooler, Add	*58,862.52*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0045 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,454.46	
23 81 23 12-0047	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	2,045.39	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	17,370.76	778.07
		For Liebert Unit, Add	*2,025.52*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	19,197.28	934.41
		For Liebert Unit, Add	*2,224.54*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,913.27	1,169.43
		For Liebert Unit, Add	*2,520.01*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	26,933.03	1,364.32
		For Liebert Unit, Add	*3,110.96*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	36,565.98	1,482.86
		For Liebert Unit, Add	*4,292.84*	

23 81 23 13-0007 Horizontal Indoor Single Package Cooling Unit *(23 81 23 13)*

Note: Carrier 50AH With indoor scroll compressor, plenum mounted.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 13-0008	EA	2 Ton Horizontal Indoor Single-Package Cooling Unit, 800 CFM Nominal	21,546.40	736.34
23 81 23 13-0009	EA	3 Ton Horizontal Indoor Single-Package Cooling Unit, 1,200 CFM Nominal	25,251.60	920.42
23 81 23 13-0010	EA	4 Ton Horizontal Indoor Single-Package Cooling Unit, 1,600 CFM Nominal	29,402.62	1,104.50
23 81 23 13-0011	EA	5 Ton Horizontal Indoor Single-Package Cooling Unit, 2,000 CFM Nominal	34,225.57	1,227.23

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*
See CSI section 22 07 19 00-0547 for insulation, 23 23 16 00-0001 for piping.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*
Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,619.38	404.98
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,833.74	441.80
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,552.34	490.90
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,945.52	539.98
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,124.83	589.07
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,144.90	613.62
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,842.92	654.11

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*
Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,124.90	196.36
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,188.13	208.63
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,252.47	220.90
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,418.95	233.18
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,518.08	245.45
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,157.99	294.54
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	3,494.28	319.08
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	5,558.74	343.62

23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*
Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,566.22	589.07
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,001.78	703.21
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,790.34	736.34

23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*
Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,006.83	490.90
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,676.06	539.98
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,520.61	638.16
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,552.91	703.21
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	9,565.91	736.34

23 81 26 13-0030 Ductless Split System Accessories *(23 81 26 13-0002)*

23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.86	1.76
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	19.21	1.93
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.00	2.13
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	24.85	3.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	43.21	3.63
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.27	3.99
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.12	6.60
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.80	7.25
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.91	7.98
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	83.30	7.03
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	97.82	7.74
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	152.25	8.51
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	62.12	6.60
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	103.80	7.25
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	115.91	7.98
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.41	11.00
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	118.46	12.09
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	141.96	13.30
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	46.31	2.20
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	49.72	6.60
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	81.48	7.25
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.76	6.60
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	61.64	7.25
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	66.31	7.98
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	222.54	8.79
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	252.48	9.68
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	134.63	32.99
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	148.74	35.18
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	205.00	37.38
23 81 26 13-0060	EA	End Cap, Set of 4	24.77	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	286.79	65.96
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	304.36	70.36
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.28	0.17
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.40	0.17

23 81 26 13-0065 Cased A/C Evaporator Coils *(23 81 26 13-0001)*

23 81 26 13-0066 Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	964.73	129.99
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	1,003.95	139.74
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,203.86	149.48
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,378.43	159.24
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,605.67	165.73
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,799.09	172.23
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,932.21	185.24
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,940.46	194.98

23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,196.75	133.24
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,383.60	140.71
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,591.61	149.48
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,648.80	154.88
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,726.03	162.49
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,743.10	170.93
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,759.83	179.38

23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*

23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,036.07	133.24
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,250.50	149.48
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,449.76	162.49
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,757.02	179.38

23 81 26 16 Large-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*

23 81 26 16-0002 Outdoor Units *(23 81 26 16-0001)*

23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	19,841.67	644.30
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	21,495.76	767.02
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	24,186.42	920.42
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	29,822.13	951.10
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	39,743.95	981.78
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	41,213.95	1,012.46
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	42,683.95	1,043.14
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	45,190.53	1,104.50
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	47,697.09	1,165.87
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	53,394.17	1,227.23
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	59,091.24	1,288.59

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0014		**Indoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	2,024.20	199.43
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	2,127.12	214.77
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	2,218.00	230.11
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,326.94	245.45
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,515.30	291.47
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,802.96	352.83
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	3,036.49	383.51
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,948.99	219.37
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	3,048.96	236.24
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	3,215.16	253.12
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,489.69	269.99
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,675.22	320.61
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	4,026.92	388.11
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	4,235.26	404.98
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	4,467.65	421.86
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,955.35	464.05
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	5,493.64	510.45
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,944.87	561.50
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	7,556.10	617.65
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	8,582.61	679.41
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	3,351.21	253.12
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,533.03	269.99
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,722.17	320.61
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	4,166.58	388.11
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	4,488.12	421.86
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	5,503.15	464.05
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	3,015.21	219.37
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	3,169.36	236.24
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	3,407.79	253.12
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,586.01	269.99
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,784.09	236.24
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,926.21	253.12
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	3,074.32	269.99
23 81 26 16-0048		**Controllers For Outdoor Units** *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	10,782.46	184.09
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	12,469.17	214.77
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	13,776.64	245.45
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	16,354.28	276.13
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	6,006.42	122.72
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	9,253.42	184.09
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	14,145.01	276.13
23 81 26 16-0056		**Energy Recovery Units** *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	7,616.03	184.09
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	14,454.55	184.09
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	14,654.36	214.77
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	3,015.73	153.40
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,852.71	159.54
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	4,599.40	165.68
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	8,416.67	184.09
23 81 26 16-0064		**Piping Specialties** *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	1,071.53	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	278.04	49.38
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	278.04	49.38
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	308.62	51.98
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	387.83	58.48
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	506.03	84.46
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	855.55	168.92
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	155.96	20.79
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	175.17	28.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0074		Split System Air Conditioners (Daikin VRV) *(23 81 26 16)*		
23 81 26 16-0075		Heat Pump Outdoor Units *(23 81 26 16-0074)*		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	26,886.25	644.30
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	30,050.73	767.02
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	33,501.11	920.42
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	41,870.48	951.10
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	56,139.28	1,012.46
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	59,344.21	1,043.14
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	62,385.97	1,104.50
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	65,652.26	1,165.87
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	85,085.50	1,227.23
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	88,351.79	1,288.59
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	91,618.08	1,349.95
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	94,659.84	1,411.31
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	97,926.13	1,472.68
23 81 26 16-0089		Heat Recovery Heat Pump Outdoor Units *(23 81 26 16-0074)*		
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	34,430.60	837.59
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	37,543.73	997.12
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	41,238.67	1,196.55
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	51,871.86	1,236.44
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	70,219.21	1,316.20
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	75,687.96	1,356.09
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	78,541.99	1,435.86
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	81,396.02	1,515.63
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,265.49	1,595.40
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	110,119.52	1,675.17
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	115,668.04	1,754.94
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	118,522.07	1,834.71
23 81 26 16-0102		Indoor Units *(23 81 26 16-0074)*		
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,056.23	214.77
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,193.48	220.90
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,616.49	230.11
23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,048.50	291.47
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,438.12	352.83
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,488.80	236.24
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,639.99	242.99
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,874.20	134.99
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,168.06	320.61
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,122.83	388.11
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,005.88	421.86
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,484.26	464.05
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,735.95	510.45
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,026.85	236.24
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,146.26	242.99
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,473.68	253.12
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,831.09	320.61
23 81 26 16-0120		Branch Selector Boxes *(23 81 26 16-0074)*		
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	15,371.96	276.13
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,741.34	368.17
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	3,020.44	122.72
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,068.86	184.09
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	5,043.08	276.13
23 81 26 16-0126		Controllers *(23 81 26 16-0074)*		
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	933.90	24.54
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	671.23	24.54
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,313.08	24.54
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,844.77	24.54
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	17,138.03	294.54
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,211.08	24.54
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin)	704.22	43.31
23 81 26 16-0134		Energy Recovery Units *(23 81 26 16-0074)*		
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,303.90	153.40
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,887.96	159.54
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	8,247.47	165.68
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,412.41	184.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0139		**Split System Condensing Units (McQuay)** *(23 81 26 16)* Note: Excludes crane and associated personnel.		
23 81 26 16-0140	EA	459 MBH Cooling capacity, 10.4 EER, R410A, 460 Volt, 3 Phase, 60 Hertz (McQuay split system condensing unit, Model RCS042D) Note: Includes BacNet communications, McQuay split system air handling unit, Model RFS042D, Supply fan 13,500CFM, Return fan 13,500CFM, S.P. 4.0 Water Column-Supply, S.P. 1.5 Water Column-Return, 15HP – supply fan, 7.5HP – Return Fan. Min Out Side Air – 3,600CFM, 460volt 3Ph 60Hz, BacNet communications	161,749.46	1,455.29
23 81 26 16-0141		**Packaged Air Conditioning Units (McQuay)** *(23 81 26 16)* Note: Excludes crane and associated personnel.		
23 81 26 16-0142	EA	91 Ton Cooling Packaged Air Conditioning Unit (McQuay Model RPS091D) Note: Supply Fan: 32,000CFM, ESP in W.C. 2.0, 40HP motor, Return Fan: 32,000CFM, ESP in W.C. 1.5 , 25HP motor, Compressors 6 total R410A, Filters: MERV 13, 4-12x24x4, 4- 24x24x4, Power: Single connection, 460volt 3Ph 60Hz	288,622.61	2,486.12
23 81 26 16-0143	EA	60 Ton Cooling, 460 Volt, 3 Phase, 60 Hertz, Packaged Air Conditioning Unit (McQuay Model RTD060CSY	174,151.04	1,976.77
23 81 26 16-0144	EA	70 Ton Cooling, 460 Volt, 3 Phase, 60 Hertz, Packaged Air Conditioning Unit (McQuay Model RTD070CSY	186,285.82	2,376.98
23 81 26 16-0145	EA	36 Ton Cooling, 460 Volt, 3 Phase, 60 Hertz, Packaged Air Conditioning Unit (McQuay Model RPS036CLY	132,248.56	1,455.29
23 81 43		**Air-Source Unitary Heat Pumps** *(23 81)*		
23 81 43 00-0001		**Single Package Thru-Wall Heat Pumps** *(23 81 43)* Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-1188 for crane lifting equipment.		
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,398.68	199.54
		For Unit Economizer, Add	*320.38*	
		For >35 To 70, Deduct	*-60.39*	
		For >70 To 100, Deduct	*-100.64*	
		For >100, Deduct	*-140.90*	
		For Low Ambient Protection, 0 Degree F, Add	*277.61*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,648.94	212.85
		For Unit Economizer, Add	*354.36*	
		For >35 To 70, Deduct	*-67.10*	
		For >70 To 100, Deduct	*-111.83*	
		For >100, Deduct	*-156.56*	
		For Low Ambient Protection, 0 Degree F, Add	*304.39*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,527.64	212.85
		For Unit Economizer, Add	*617.37*	
		For >35 To 70, Deduct	*-123.46*	
		For >70 To 100, Deduct	*-205.76*	
		For >100, Deduct	*-288.07*	
		For Low Ambient Protection, 0 Degree F, Add	*473.47*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,956.81	212.85
		For Unit Economizer, Add	*676.39*	
		For >35 To 70, Deduct	*-135.53*	
		For >70 To 100, Deduct	*-225.89*	
		For >100, Deduct	*-316.25*	
		For Low Ambient Protection, 0 Degree F, Add	*245.28*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,609.66	226.15
		For Unit Economizer, Add	*766.73*	
		For >35 To 70, Deduct	*-154.32*	
		For >70 To 100, Deduct	*-257.20*	
		For >100, Deduct	*-360.08*	
		For Low Ambient Protection, 0 Degree F, Add	*270.72*	
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,878.04	239.45
		For Unit Economizer, Add	*804.30*	
		For >35 To 70, Deduct	*-162.37*	
		For >70 To 100, Deduct	*-270.62*	
		For >100, Deduct	*-378.87*	
		For Low Ambient Protection, 0 Degree F, Add	*820.02*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,620.34	239.45
		For Unit Economizer, Add	*907.16*	
		For >35 To 70, Deduct	*-183.84*	
		For >70 To 100, Deduct	*-306.41*	
		For >100, Deduct	*-428.97*	
		For Low Ambient Protection, 0 Degree F, Add	*919.71*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,304.61	252.75
		For Unit Economizer, Add	*1,002.42*	
		For >35 To 70, Deduct	*-203.97*	
		For >70 To 100, Deduct	*-339.95*	
		For >100, Deduct	*-475.94*	
		For Low Ambient Protection, 0 Degree F, Add	*1,010.26*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,413.23	292.66
		For Unit Economizer, Add	*1,154.44*	
		For >35 To 70, Deduct	*-234.84*	
		For >70 To 100, Deduct	*-391.40*	
		For >100, Deduct	*-547.95*	
		For Low Ambient Protection, 0 Degree F, Add	*1,163.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	15,421.50	345.88
		For Unit Economizer, Add	*2,130.81*	
		For >35 To 70, Deduct	*-441.49*	
		For >70 To 100, Deduct	*-735.82*	
		For >100, Deduct	*-1,030.15*	
		For Low Ambient Protection, 0 Degree F, Add	*2,089.40*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,857.17	439.00
		For Unit Economizer, Add	*2,744.35*	
		For >35 To 70, Deduct	*-568.98*	
		For >70 To 100, Deduct	*-948.29*	
		For >100, Deduct	*-1,327.61*	
		For Low Ambient Protection, 0 Degree F, Add	*412.48*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	24,244.46	492.22
		For Unit Economizer, Add	*3,354.85*	
		For >35 To 70, Deduct	*-697.80*	
		For >70 To 100, Deduct	*-1,163.00*	
		For >100, Deduct	*-1,628.20*	
		For Low Ambient Protection, 0 Degree F, Add	*478.71*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,910.82	558.73
		For Unit Economizer, Add	*4,143.35*	
		For >35 To 70, Deduct	*-864.20*	
		For >70 To 100, Deduct	*-1,440.33*	
		For >100, Deduct	*-2,016.47*	
		For Low Ambient Protection, 0 Degree F, Add	*564.11*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	39,844.72	598.64
		For Unit Economizer, Add	*5,530.37*	
		For >35 To 70, Deduct	*-1,159.42*	
		For >70 To 100, Deduct	*-1,932.37*	
		For >100, Deduct	*-2,705.32*	
		For Low Ambient Protection, 0 Degree F, Add	*685.79*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	48,002.69	651.85
		For Unit Economizer, Add	*6,668.23*	
		For >35 To 70, Deduct	*-1,400.97*	
		For >70 To 100, Deduct	*-2,334.95*	
		For >100, Deduct	*-3,268.93*	
		For Low Ambient Protection, 0 Degree F, Add	*792.91*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-1188 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,685.96	266.06
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,473.24	292.66
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,784.55	305.97
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,632.24	332.58
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,293.83	385.79
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,860.26	439.00
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,622.35	492.22
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,827.53	545.43
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	12,206.75	651.85

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	1,761.39	128.86
		For >10 To 50, Deduct	*-75.18*	
		For >50 To 75, Deduct	*-105.26*	
		For >75 To 100, Deduct	*-150.37*	
		For >100, Deduct	*-180.44*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	1,978.09	128.86
		For >10 To 50, Deduct	*-86.02*	
		For >50 To 75, Deduct	*-120.43*	
		For >75 To 100, Deduct	*-172.04*	
		For >100, Deduct	*-206.44*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	2,303.15	128.86
		For >10 To 50, Deduct	*-102.27*	
		For >50 To 75, Deduct	*-143.18*	
		For >75 To 100, Deduct	*-204.54*	
		For >100, Deduct	*-245.45*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	2,664.32	128.86
		For >10 To 50, Deduct	*-120.33*	
		For >50 To 75, Deduct	*-168.46*	
		For >75 To 100, Deduct	*-240.66*	
		For >100, Deduct	*-288.79*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0034		Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*		
		Note: Base unit excludes wall sleeve.		
23 81 43 00-0035		Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*		
23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	1,747.96	92.04
		For >10 To 50, Deduct	*-78.19*	
		For >50 To 75, Deduct	*-109.47*	
		For >75 To 100, Deduct	*-156.39*	
		For >100, Deduct	*-187.66*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	1,747.96	92.04
		For >10 To 50, Deduct	*-78.19*	
		For >50 To 75, Deduct	*-109.47*	
		For >75 To 100, Deduct	*-156.39*	
		For >100, Deduct	*-187.66*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*386.38*	
23 81 43 00-0038		Carrier Single Package Rooftop Heat Pumps *(23 81 43)*		
		Note: Excludes crane and associated personnel.		
23 81 43 00-0039	EA	10 Ton, 208/230 Volt, Packaged Rooftop Heat Pump (Carrier 50PQ0125)	32,815.41	897.43
		For Economizer With Outside Air Control, Add	*3,994.63*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*620.65*	
23 81 43 00-0040	EA	12.5 Ton, 208/230 Volt, Packaged Rooftop Heat Pump (Carrier 50PQ0145)	42,711.49	994.44
		For Economizer With Outside Air Control, Add	*5,066.71*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*814.45*	
23 81 43 00-0041	EA	15 Ton, 208/230 Volt, Packaged Rooftop Heat Pump (Carrier 50PQ0165)	46,683.90	1,091.47
		For Economizer With Outside Air Control, Add	*5,541.56*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*890.02*	
23 81 46		**Water-Source Unitary Heat Pumps** *(23 81)*		
23 81 46 00-0001		Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*		
		Note: Includes rubber isolator hanger brackets.		
23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,570.26	259.98
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,755.78	259.98
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,669.41	285.98
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,014.12	311.97
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,519.60	337.97
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,890.86	363.97
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,066.53	389.97
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,901.84	415.96
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,572.23	441.96
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,727.30	467.96
23 81 49		**Split System Heat Pumps** *(23 81)*		
23 81 49 00-0001		Air-Cooled, Outdoor Section *(23 81 49)*		
		Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.		
23 81 49 00-0002	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,050.41	395.10
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*906.46*	
		For Winterstart Control, Add	*237.93*	
		For 15 SEER, Add	*801.32*	
		For 16 SEER, Add	*1,291.01*	
		For 18 SEER, Add	*1,958.78*	
23 81 49 00-0003	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit	5,203.68	439.00
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*937.84*	
		For Winterstart Control, Add	*248.06*	
		For 15 SEER, Add	*816.94*	
		For 16 SEER, Add	*1,316.17*	
		For 18 SEER, Add	*1,996.95*	
23 81 49 00-0004	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,681.08	509.50
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*1,027.51*	
		For Winterstart Control, Add	*273.54*	
		For 15 SEER, Add	*883.71*	
		For 16 SEER, Add	*1,423.76*	
		For 18 SEER, Add	*2,160.18*	
23 81 49 00-0005	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	6,197.33	585.33
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*858.98*	
		For Winterstart Control, Add	*301.11*	
		For 15 SEER, Add	*955.88*	
		For 16 SEER, Add	*1,540.02*	
		For 18 SEER, Add	*2,336.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0006	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	6,392.92	607.95
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*886.87*	
		For Winterstart Control, Add	*310.97*	
		For 15 SEER, Add	*984.95*	
		For 16 SEER, Add	*1,586.87*	
		For 18 SEER, Add	*2,407.67*	
23 81 49 00-0007	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	7,103.96	698.41
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*982.18*	
		For Winterstart Control, Add	*344.02*	
		For 15 SEER, Add	*1,099.12*	
		For 16 SEER, Add	*1,770.81*	
		For 18 SEER, Add	*2,686.74*	
23 81 49 00-0008	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	8,092.30	768.25
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*624.12*	
		For Winterstart Control, Add	*179.70*	
		For 15 SEER, Add	*1,259.06*	
		For 16 SEER, Add	*2,028.49*	
		For 18 SEER, Add	*3,077.71*	
23 81 49 00-0009	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	8,149.75	859.06
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*652.93*	
		For Winterstart Control, Add	*191.95*	
23 81 49 00-0010	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	11,274.98	1,030.87
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*449.36*	
		For Winterstart Control, Add	*245.50*	
23 81 49 00-0011	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	14,831.79	1,202.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*509.10*	
		For Winterstart Control, Add	*302.58*	
23 81 49 00-0012	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	26,659.45	1,288.59
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*540.72*	
		For Winterstart Control, Add	*432.24*	

23 81 49 00-0013 Indoor Section, Horizontal Upflow *(23 81 49)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0014	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,409.46	131.31
		For Additional 5 KW Electric Heat, Add	*127.75*	
23 81 49 00-0015	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,553.77	163.59
		For Additional 5 KW Electric Heat, Add	*139.01*	
23 81 49 00-0016	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,622.39	197.58
		For Additional 5 KW Electric Heat, Add	*142.45*	
23 81 49 00-0017	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,186.61	231.34
		For Additional 5 KW Electric Heat, Add	*195.51*	
23 81 49 00-0018	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,245.74	260.79
		For Additional 5 KW Electric Heat, Add	*198.46*	
23 81 49 00-0019	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,491.08	299.44
		For Additional 5 KW Electric Heat, Add	*219.18*	
23 81 49 00-0020	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,315.09	490.90
		For Additional 5 KW Electric Heat, Add	*482.42*	
23 81 49 00-0021	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,835.69	552.26
		For Additional 5 KW Electric Heat, Add	*728.35*	
23 81 49 00-0022	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,992.13	613.62
		For Additional 5 KW Electric Heat, Add	*1,037.85*	
23 81 49 00-0023	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,493.43	736.34
		For Additional 5 KW Electric Heat, Add	*1,175.70*	

23 81 49 00-0024 Ductless Split System Heat Pumps *(23 81 49)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0025 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*

23 81 49 00-0026	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,843.82	404.98
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0027	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	3,141.22	441.80
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps	3,839.62	490.90
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0029	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	4,422.45	539.98
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0030	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps	6,303.63	589.07
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0031	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps	7,315.47	613.62
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0032	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps	8,028.08	654.11
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0033		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*		
		Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,174.28	196.36
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0035	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,238.62	208.63
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0036	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,304.09	220.90
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0037	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,487.40	233.18
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0038	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps	1,585.41	245.45
		Note: Includes indoor unit and wireless thermostat.		
23 81 49 00-0039	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	3,573.20	294.54
		Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0040	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	4,240.54	319.08
		Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0041	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps	6,913.22	343.62
		Note: Includes outdoor unit and refrigerant charge.		
23 81 49 00-0042		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*		
		Note: Excludes hangers.		
23 81 49 00-0043	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps	6,745.77	589.07
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0044	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps	8,186.94	703.21
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0045	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps	9,902.56	736.34
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0046		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0024)*		
		Note: Excludes hangers.		
23 81 49 00-0047	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps	4,455.70	490.90
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0048	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps	5,054.23	539.98
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0049	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps	6,700.16	638.16
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0050	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps	7,738.07	703.21
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0051	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps	9,678.12	736.34
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0052		Mitsubishi Ductless Split System Heat Pumps *(23 81 49)*		
		Note: Excludes electrical. See CSI section 23 81 26 13-0030 for accessories.		
23 81 49 00-0053		Mitsubishi Wall Mounted Ductless Split System Heat Pumps (P-Series) *(23 81 49 00-0052)*		
23 81 49 00-0054	EA	12 MBH Wall-mounted Air Conditioners and Heat Pumps (Mitsubishi PKA-012)	2,665.98	254.03
23 81 49 00-0055	EA	18 MBH Wall-mounted Air Conditioners and Heat Pumps (Mitsubishi PKA-018)	3,090.77	261.40
23 81 49 00-0056	EA	24 MBH Wall-mounted Air Conditioners and Heat Pumps (Mitsubishi PKA-024)	3,783.13	269.99
23 81 49 00-0057	EA	30 MBH Wall-mounted Air Conditioners and Heat Pumps (Mitsubishi PKA-030)	4,554.66	285.94
23 81 49 00-0058	EA	36 MBH Wall-mounted Air Conditioners and Heat Pumps (Mitsubishi PKA-036)	6,072.04	294.54
23 81 49 00-0059		Mitsubishi Suspended Ceiling Mounted Ductless Split System Heat Pumps (P-Series) *(23 81 49 00-0052)*		
		Note: Excludes hangers.		
23 81 49 00-0060	EA	24 MBH Ceiling-suspended Air Conditioners and Heat Pumps (Mitsubishi PCA-024)	5,130.12	450.39
23 81 49 00-0061	EA	30 MBH Ceiling-suspended Air Conditioners and Heat Pumps (Mitsubishi PCA-030)	5,898.33	490.90
23 81 49 00-0062	EA	36 MBH Ceiling-suspended Air Conditioners and Heat Pumps (Mitsubishi PCA-036)	6,717.82	532.62
23 81 49 00-0063	EA	42 MBH Ceiling-suspended Air Conditioners and Heat Pumps (Mitsubishi PCA-042)	7,849.48	573.11
23 81 49 00-0064		Mitsubishi Recessed Ceiling Mounted Ductless Split System Heat Pumps (P-Series) *(23 81 49 00-0052)*		
		Note: Excludes hangers.		
23 81 49 00-0065	EA	12 MBH Ceiling-recessed Air Conditioners and Heat Pumps (Mitsubishi PLA-012)	5,435.52	368.17
23 81 49 00-0066	EA	18 MBH Ceiling-recessed Air Conditioners and Heat Pumps (Mitsubishi PLA-018)	5,864.80	409.89
23 81 49 00-0067	EA	24 MBH Ceiling-recessed Air Conditioners and Heat Pumps (Mitsubishi PLA-024)	6,929.57	450.39
23 81 49 00-0068	EA	30 MBH Ceiling-recessed Air Conditioners and Heat Pumps (Mitsubishi PLA-030)	8,217.32	490.90
23 81 49 00-0069	EA	36 MBH Ceiling-recessed Air Conditioners and Heat Pumps (Mitsubishi PLA-036)	9,315.54	532.62
23 81 49 00-0070	EA	42 MBH Ceiling-recessed Air Conditioners and Heat Pumps (Mitsubishi PLA-042)	10,268.82	573.11
23 81 49 00-0071		Mitsubishi Outdoor Condensing Unit (P-Series) *(23 81 49 00-0052)*		
23 81 49 00-0072	EA	12 MBH Outdoor Condenser Unit (Mitsubishi PUY-012)	5,374.16	327.67

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0073	EA	18 MBH Outdoor Condenser Unit (Mitsubishi PUY-018)	6,093.31	368.17
23 81 49 00-0074	EA	24 MBH Outdoor Condenser Unit (Mitsubishi PUY-024)	7,459.11	409.89
23 81 49 00-0075	EA	30 MBH Outdoor Condenser Unit (Mitsubishi PUY-030)	9,315.46	450.39
23 81 49 00-0076	EA	36 MBH Outdoor Condenser Unit (Mitsubishi PUY-036)	10,313.33	490.90
23 81 49 00-0077	EA	48 MBH Outdoor Condenser Unit (Mitsubishi PUY-048)	12,186.44	573.11
23 81 49 00-0078		Mitsubishi Wall Mounted Ductless Split System Heat Pumps (M-Series) *(23 81 49 00-0052)*		
23 81 49 00-0079	EA	1/2 Ton Wall Mounted Indoor Air Handler Unit (Mitsubishi MSZ-GE6)	1,367.61	229.49
23 81 49 00-0080	EA	3/4 Ton Wall Mounted Indoor Air Handler Unit (Mitsubishi MSZ-GE9)	1,464.69	238.08
23 81 49 00-0081	EA	1 Ton Wall Mounted Indoor Air Handler Unit (Mitsubishi MSZ-GE12)	1,646.57	245.45
23 81 49 00-0082	EA	1-1/4 Ton Wall Mounted Indoor Air Handler Unit (Mitsubishi MSZ-GE15)	1,889.93	254.03
23 81 49 00-0083	EA	1-1/2 Ton Wall Mounted Indoor Air Handler Unit (Mitsubishi MSZ-GE18)	1,957.32	261.40
23 81 49 00-0084	EA	2 Ton Wall Mounted Indoor Air Handler Unit (Mitsubishi MSZ-GE24)	2,132.84	269.99
23 81 49 00-0085		Mitsubishi Outdoor Condensing Unit (M-Series) *(23 81 49 00-0052)*		
23 81 49 00-0086	EA	3/4 Ton Ductless Outdoor Heat Pump Unit (Mitsubishi MUZ-GE9)	2,548.49	306.81
23 81 49 00-0087	EA	1 Ton Ductless Outdoor Heat Pump Unit (Mitsubishi MUZ-GE12)	2,721.22	327.67
23 81 49 00-0088	EA	1-1/4 Ton Ductless Outdoor Heat Pump Unit (Mitsubishi MUZ-GE15)	3,165.32	348.53
23 81 49 00-0089	EA	1-1/2 Ton Ductless Outdoor Heat Pump Unit (Mitsubishi MUZ-GE18)	3,709.07	368.17
23 81 49 00-0090	EA	2 Ton Ductless Outdoor Heat Pump Unit (Mitsubishi MUZ-GE24)	4,122.36	409.89
23 81 49 00-0091	EA	1-1/2 Ton Dual Zone Ductless Outdoor Heat Pump Unit (Mitsubishi MXZ2B20)	4,283.61	368.17
23 81 49 00-0092	EA	2 Ton Multi Zone Ductless Outdoor Heat Pump Unit (Mitsubishi MXZ3B24)	5,574.63	409.89
23 81 49 00-0093	EA	2-1/2 Ton Multi Zone Ductless Outdoor Heat Pump Unit (Mitsubishi MXZ3B30)	6,197.82	450.39
23 81 49 00-0094	EA	3 Ton Multi Zone Ductless Outdoor Heat Pump Unit (Mitsubishi MXZ4B36)	6,848.57	490.90
23 81 49 00-0095	EA	3.5 Ton Multi Zone Ductless Outdoor Heat Pump Unit (Mitsubishi MXZ5B42)	8,124.74	532.62
23 81 49 00-0096	EA	4 Ton Multi Zone Ductless Outdoor Heat Pump Unit (Mitsubishi MXZ8B48)	8,817.89	573.11

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001 Chilled Water Cooling Coils *(23 82 16 11)*

Note: Flanged construction, 16 gauge galvanized steel casing.

23 82 16 11-0002 2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*

23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,186.53	64.99
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,640.63	88.39
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,889.05	139.09
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,887.00	198.88
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,228.91	244.38
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,958.30	296.37
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,440.38	343.16
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,032.98	606.26
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,024.04	230.47
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,419.10	392.43
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,175.04	487.46
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,843.68	588.72
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,551.98	685.55
23 82 16 11-0016		4 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0017	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,708.84	135.19
23 82 16 11-0018	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,370.14	194.98
23 82 16 11-0019	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,932.34	324.97
23 82 16 11-0020	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,220.49	482.25
23 82 16 11-0021	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,333.28	591.45
23 82 16 11-0022	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,896.16	722.73
23 82 16 11-0023	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,997.70	867.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0024	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,684.12	1,009.22
23 82 16 11-0025	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,803.28	435.59
23 82 16 11-0026	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,634.79	655.14
23 82 16 11-0027	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,552.25	812.42
23 82 16 11-0028	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,623.81	978.81
23 82 16 11-0029	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,623.57	1,144.28
23 82 16 11-0030		**6 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0031	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,836.60	171.59
23 82 16 11-0032	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,491.88	254.77
23 82 16 11-0033	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,067.72	434.16
23 82 16 11-0034	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,207.64	649.93
23 82 16 11-0035	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,808.10	812.42
23 82 16 11-0036	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,239.55	999.61
23 82 16 11-0037	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,228.51	1,181.58
23 82 16 11-0038	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,419.50	1,376.96
23 82 16 11-0039	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,491.29	595.21
23 82 16 11-0040	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,800.15	892.76
23 82 16 11-0041	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,097.43	1,117.89
23 82 16 11-0042	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,351.69	1,342.91
23 82 16 11-0043	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,613.93	1,562.32
23 82 16 11-0044		**8 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0045	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,801.12	206.68
23 82 16 11-0046	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,835.23	317.17
23 82 16 11-0047	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,647.59	565.45
23 82 16 11-0048	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,404.04	867.01
23 82 16 11-0049	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,665.86	1,084.10
23 82 16 11-0050	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,846.41	1,299.88
23 82 16 11-0051	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	18,248.24	1,444.17
23 82 16 11-0052	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,348.89	1,675.15
23 82 16 11-0053	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,664.36	725.33
23 82 16 11-0054	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,322.45	1,090.47
23 82 16 11-0055	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,824.85	1,358.37
23 82 16 11-0056	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,248.93	1,624.84
23 82 16 11-0057	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,748.65	1,911.60
23 82 16 11-0058		**Hot Water Heating Coils** *(23 82 16 11)*		
		Note: Flanged construction.		
23 82 16 11-0059		**1 Row Hot Water Heating Coils** *(23 82 16 11-0058)*		
23 82 16 11-0060	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,698.54	175.48
		For 10 Fins Per Inch, Add	*26.94*	
		For 12 Fins Per Inch, Add	*67.36*	
		For 230 PSIG Heavy-Duty, Add	*374.84*	
23 82 16 11-0061	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,530.29	224.88
		For 10 Fins Per Inch, Add	*41.64*	
		For 12 Fins Per Inch, Add	*104.10*	
		For 230 PSIG Heavy-Duty, Add	*550.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0062	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	3,068.47	309.37
		For 10 Fins Per Inch, Add	*48.99*	
		For 12 Fins Per Inch, Add	*122.47*	
		For 230 PSIG Heavy-Duty, Add	*675.59*	
23 82 16 11-0063	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,622.25	434.16
		For 10 Fins Per Inch, Add	*55.11*	
		For 12 Fins Per Inch, Add	*137.78*	
		For 230 PSIG Heavy-Duty, Add	*811.11*	
23 82 16 11-0064	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,101.75	519.96
		For 10 Fins Per Inch, Add	*61.24*	
		For 12 Fins Per Inch, Add	*153.09*	
		For 230 PSIG Heavy-Duty, Add	*924.34*	
23 82 16 11-0065	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,790.39	649.93
		For 10 Fins Per Inch, Add	*69.81*	
		For 12 Fins Per Inch, Add	*174.53*	
		For 230 PSIG Heavy-Duty, Add	*1,088.07*	
23 82 16 11-0066	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,363.48	721.44
		For 10 Fins Per Inch, Add	*78.38*	
		For 12 Fins Per Inch, Add	*195.96*	
		For 230 PSIG Heavy-Duty, Add	*1,217.13*	
23 82 16 11-0067	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,651.50	838.81
		For 10 Fins Per Inch, Add	*99.35*	
		For 12 Fins Per Inch, Add	*248.39*	
		For 230 PSIG Heavy-Duty, Add	*1,498.68*	
23 82 16 11-0068	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,871.82	363.45
		For 10 Fins Per Inch, Add	*42.90*	
		For 12 Fins Per Inch, Add	*107.24*	
		For 230 PSIG Heavy-Duty, Add	*647.06*	
23 82 16 11-0069	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,307.70	545.30
		For 10 Fins Per Inch, Add	*64.34*	
		For 12 Fins Per Inch, Add	*160.86*	
		For 230 PSIG Heavy-Duty, Add	*970.59*	
23 82 16 11-0070	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,475.42	824.77
		For 10 Fins Per Inch, Add	*96.52*	
		For 12 Fins Per Inch, Add	*241.29*	
		For 230 PSIG Heavy-Duty, Add	*1,460.04*	
23 82 16 11-0071	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,541.67	955.80
		For 10 Fins Per Inch, Add	*112.60*	
		For 12 Fins Per Inch, Add	*281.50*	
		For 230 PSIG Heavy-Duty, Add	*1,699.49*	
23 82 16 11-0072	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	342.74	48.10
		For 10 Fins Per Inch, Add	*4.93*	
		For 12 Fins Per Inch, Add	*12.33*	
		For 230 PSIG Heavy-Duty, Add	*78.17*	

23 82 16 11-0073 2 Row Hot Water Heating Coils *(23 82 16 11-0058)*

23 82 16 11-0074	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,760.31	217.08
		For 10 Fins Per Inch, Add	*46.54*	
		For 12 Fins Per Inch, Add	*116.35*	
		For 230 PSIG Heavy-Duty, Add	*595.39*	
23 82 16 11-0075	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,965.97	288.57
		For 10 Fins Per Inch, Add	*47.76*	
		For 12 Fins Per Inch, Add	*119.41*	
		For 230 PSIG Heavy-Duty, Add	*650.97*	
23 82 16 11-0076	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,989.67	434.16
		For 10 Fins Per Inch, Add	*62.46*	
		For 12 Fins Per Inch, Add	*156.15*	
		For 230 PSIG Heavy-Duty, Add	*884.59*	
23 82 16 11-0077	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,789.73	618.74
		For 10 Fins Per Inch, Add	*71.04*	
		For 12 Fins Per Inch, Add	*177.59*	
		For 230 PSIG Heavy-Duty, Add	*1,081.74*	
23 82 16 11-0078	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,509.68	764.33
		For 10 Fins Per Inch, Add	*79.61*	
		For 12 Fins Per Inch, Add	*199.02*	
		For 230 PSIG Heavy-Duty, Add	*1,254.86*	
23 82 16 11-0079	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,837.38	928.11
		For 10 Fins Per Inch, Add	*79.61*	
		For 12 Fins Per Inch, Add	*199.02*	
		For 230 PSIG Heavy-Duty, Add	*1,353.17*	
23 82 16 11-0080	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,575.53	1,084.10
		For 10 Fins Per Inch, Add	*88.18*	
		For 12 Fins Per Inch, Add	*220.45*	
		For 230 PSIG Heavy-Duty, Add	*1,531.75*	
23 82 16 11-0081	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,107.86	1,259.58
		For 10 Fins Per Inch, Add	*111.77*	
		For 12 Fins Per Inch, Add	*279.44*	
		For 230 PSIG Heavy-Duty, Add	*1,873.49*	
23 82 16 11-0082	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,499.74	543.48
		For 10 Fins Per Inch, Add	*48.26*	
		For 12 Fins Per Inch, Add	*120.64*	
		For 230 PSIG Heavy-Duty, Add	*808.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0083	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,252.34	816.45
		For 10 Fins Per Inch, Add	*72.39*	
		For 12 Fins Per Inch, Add	*180.97*	
		For 230 PSIG Heavy-Duty, Add	*1,213.77*	
23 82 16 11-0084	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	7,890.88	1,230.98
		For 10 Fins Per Inch, Add	*108.58*	
		For 12 Fins Per Inch, Add	*271.45*	
		For 230 PSIG Heavy-Duty, Add	*1,824.37*	
23 82 16 11-0085	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	9,209.73	1,437.93
		For 10 Fins Per Inch, Add	*126.68*	
		For 12 Fins Per Inch, Add	*316.69*	
		For 230 PSIG Heavy-Duty, Add	*2,129.53*	

23 82 16 11-0086 Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0087	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,245.80	165.09
23 82 16 11-0088	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,882.66	163.79
23 82 16 11-0089	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,541.77	175.48
23 82 16 11-0090	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,117.78	191.08
23 82 16 11-0091	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,135.42	200.18
23 82 16 11-0092	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,012.10	210.58
23 82 16 11-0093	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,187.93	236.58
23 82 16 11-0094	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,735.71	265.17
23 82 16 11-0095	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,451.61	317.17
23 82 16 11-0096	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	7,035.25	332.77
23 82 16 11-0097	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	9,030.87	352.26
23 82 16 11-0098	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,495.64	482.25
23 82 16 11-0099	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,445.65	591.45
23 82 16 11-0100	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,842.49	618.74
23 82 16 11-0101	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,784.80	721.44

23 82 16 12 Steam Air Coils *(23 82 16)*

23 82 16 12-0001 Steam Heating Coils *(23 82 16 12)*

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,671.06	122.19
		For 2 Row Coil, Add	*849.91*	
		For 4 Row Coil, Add	*2,241.33*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,939.16	168.98
		For 2 Row Coil, Add	*949.27*	
		For 4 Row Coil, Add	*2,496.51*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,813.14	302.87
		For 2 Row Coil, Add	*1,264.86*	
		For 4 Row Coil, Add	*3,310.49*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,768.87	434.16
		For 2 Row Coil, Add	*1,603.98*	
		For 4 Row Coil, Add	*4,187.73*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,289.06	519.96
		For 2 Row Coil, Add	*1,794.70*	
		For 4 Row Coil, Add	*4,678.41*	
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,895.92	649.93
		For 2 Row Coil, Add	*2,028.75*	
		For 4 Row Coil, Add	*5,275.68*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,473.93	721.44
		For 2 Row Coil, Add	*2,231.04*	
		For 4 Row Coil, Add	*5,800.20*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,059.01	841.93
		For 2 Row Coil, Add	*2,754.46*	
		For 4 Row Coil, Add	*7,171.23*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,479.51	363.45
		For 2 Row Coil, Add	*1,189.25*	
		For 4 Row Coil, Add	*3,096.22*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,219.26	545.30
		For 2 Row Coil, Add	*1,783.88*	
		For 4 Row Coil, Add	*4,644.32*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,826.11	816.45
		For 2 Row Coil, Add	*2,674.44*	
		For 4 Row Coil, Add	*6,963.08*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	9,136.89	955.80
		For 2 Row Coil, Add	*3,123.38*	
		For 4 Row Coil, Add	*8,131.49*	

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,097.73	97.49
		For 10 Fins Per Inch, Add	*38.05*	
		For 12 Fins Per Inch, Add	*95.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,072.54	133.88
		For 10 Fins Per Inch, Add	*76.09*	
		For 12 Fins Per Inch, Add	*190.23*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,598.74	210.58
		For 10 Fins Per Inch, Add	*103.59*	
		For 12 Fins Per Inch, Add	*258.97*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,725.73	302.87
		For 10 Fins Per Inch, Add	*122.42*	
		For 12 Fins Per Inch, Add	*306.06*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,805.63	370.46
		For 10 Fins Per Inch, Add	*141.26*	
		For 12 Fins Per Inch, Add	*353.14*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,712.68	448.45
		For 10 Fins Per Inch, Add	*156.32*	
		For 12 Fins Per Inch, Add	*390.81*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,986.17	519.96
		For 10 Fins Per Inch, Add	*178.93*	
		For 12 Fins Per Inch, Add	*447.31*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,552.39	606.26
		For 10 Fins Per Inch, Add	*226.80*	
		For 12 Fins Per Inch, Add	*566.99*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,820.64	230.47
		For 10 Fins Per Inch, Add	*87.19*	
		For 12 Fins Per Inch, Add	*217.98*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,167.91	392.43
		For 10 Fins Per Inch, Add	*107.66*	
		For 12 Fins Per Inch, Add	*269.15*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,546.52	588.72
		For 10 Fins Per Inch, Add	*127.38*	
		For 12 Fins Per Inch, Add	*318.45*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,231.68	685.55
		For 10 Fins Per Inch, Add	*137.21*	
		For 12 Fins Per Inch, Add	*343.03*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,500.89	135.19
		For 10 Fins Per Inch, Add	*64.60*	
		For 12 Fins Per Inch, Add	*161.50*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,002.41	194.98
		For 10 Fins Per Inch, Add	*92.29*	
		For 12 Fins Per Inch, Add	*230.72*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,771.07	324.97
		For 10 Fins Per Inch, Add	*122.42*	
		For 12 Fins Per Inch, Add	*306.06*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,214.06	482.25
		For 10 Fins Per Inch, Add	*145.02*	
		For 12 Fins Per Inch, Add	*362.56*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,468.78	591.45
		For 10 Fins Per Inch, Add	*165.74*	
		For 12 Fins Per Inch, Add	*414.35*	
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,238.13	722.73
		For 10 Fins Per Inch, Add	*195.88*	
		For 12 Fins Per Inch, Add	*489.69*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,468.70	867.01
		For 10 Fins Per Inch, Add	*214.71*	
		For 12 Fins Per Inch, Add	*536.78*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,060.04	1,009.22
		For 10 Fins Per Inch, Add	*200.83*	
		For 12 Fins Per Inch, Add	*502.08*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,745.16	435.59
		For 10 Fins Per Inch, Add	*137.48*	
		For 12 Fins Per Inch, Add	*343.70*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,797.74	655.14
		For 10 Fins Per Inch, Add	*169.75*	
		For 12 Fins Per Inch, Add	*424.37*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,672.54	1,152.35
		For 10 Fins Per Inch, Add	*247.36*	
		For 12 Fins Per Inch, Add	*618.39*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,781.88	1,342.91
		For 10 Fins Per Inch, Add	*281.92*	
		For 12 Fins Per Inch, Add	*704.81*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,485.62	170.29
		For 10 Fins Per Inch, Add	*82.87*	
		For 12 Fins Per Inch, Add	*207.18*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,124.15	254.77
		For 10 Fins Per Inch, Add	*92.29*	
		For 12 Fins Per Inch, Add	*230.72*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,364.40	434.16
		For 10 Fins Per Inch, Add	*129.96*	
		For 12 Fins Per Inch, Add	*324.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,304.44	649.93
		For 10 Fins Per Inch, Add	*160.09*	
		For 12 Fins Per Inch, Add	*400.23*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,266.20	812.42
		For 10 Fins Per Inch, Add	*212.83*	
		For 12 Fins Per Inch, Add	*532.07*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,865.39	999.61
		For 10 Fins Per Inch, Add	*237.31*	
		For 12 Fins Per Inch, Add	*593.28*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,112.42	1,181.58
		For 10 Fins Per Inch, Add	*274.98*	
		For 12 Fins Per Inch, Add	*687.45*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,112.94	1,376.96
		For 10 Fins Per Inch, Add	*247.18*	
		For 12 Fins Per Inch, Add	*617.95*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,650.51	595.21
		For 10 Fins Per Inch, Add	*169.20*	
		For 12 Fins Per Inch, Add	*423.01*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,231.47	892.76
		For 10 Fins Per Inch, Add	*208.92*	
		For 12 Fins Per Inch, Add	*522.30*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,023.20	1,331.85
		For 10 Fins Per Inch, Add	*247.19*	
		For 12 Fins Per Inch, Add	*617.98*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,438.16	1,562.32
		For 10 Fins Per Inch, Add	*266.27*	
		For 12 Fins Per Inch, Add	*665.67*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,592.08	205.39
		For 10 Fins Per Inch, Add	*103.59*	
		For 12 Fins Per Inch, Add	*258.97*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,661.05	317.17
		For 10 Fins Per Inch, Add	*120.54*	
		For 12 Fins Per Inch, Add	*301.35*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,841.17	565.45
		For 10 Fins Per Inch, Add	*174.22*	
		For 12 Fins Per Inch, Add	*435.54*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,939.56	867.01
		For 10 Fins Per Inch, Add	*224.13*	
		For 12 Fins Per Inch, Add	*560.32*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,491.70	1,084.10
		For 10 Fins Per Inch, Add	*266.50*	
		For 12 Fins Per Inch, Add	*666.26*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,949.68	1,299.88
		For 10 Fins Per Inch, Add	*307.00*	
		For 12 Fins Per Inch, Add	*767.50*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	20,687.00	1,444.17
		For 10 Fins Per Inch, Add	*355.97*	
		For 12 Fins Per Inch, Add	*889.92*	
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,254.01	1,675.15
		For 10 Fins Per Inch, Add	*278.08*	
		For 12 Fins Per Inch, Add	*695.19*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,968.49	725.33
		For 10 Fins Per Inch, Add	*190.35*	
		For 12 Fins Per Inch, Add	*475.89*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,932.69	1,090.47
		For 10 Fins Per Inch, Add	*235.03*	
		For 12 Fins Per Inch, Add	*587.58*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,186.97	1,641.23
		For 10 Fins Per Inch, Add	*278.09*	
		For 12 Fins Per Inch, Add	*695.22*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,800.92	1,911.60
		For 10 Fins Per Inch, Add	*299.56*	
		For 12 Fins Per Inch, Add	*748.89*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	656.16	94.50
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	671.89	101.86
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	690.48	111.68
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	696.74	115.36
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	712.80	122.72
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	731.27	132.54
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	844.14	148.49
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	859.11	155.86
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	871.38	160.76
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	889.31	170.59
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	976.14	180.40
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,011.07	197.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,045.80	214.77
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,083.05	231.95
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,520.98	323.99
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,806.52	344.85
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,078.47	395.17
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,648.68	438.12
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,821.67	476.17
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,187.21	522.80
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,176.50	558.39
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,692.24	600.12
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,942.88	647.97
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,829.43	704.43

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,103.58	134.99
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,135.45	147.26
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,148.94	147.26
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,241.35	161.99
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,297.99	161.99
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,328.14	161.99
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,392.64	180.40
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,449.83	202.50
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,479.98	202.50
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,665.63	231.95
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,147.42	231.95
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,279.64	251.58
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,688.48	269.99
23 82 16 14-0041	EA	35 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,882.67	269.99
23 82 16 14-0042	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,206.94	269.99
23 82 16 14-0043	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,502.63	282.26
23 82 16 14-0044	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,682.39	282.26

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,047.27	210.58
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.97*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,461.25	245.68
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.53*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,118.03	276.88
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.66*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,733.71	317.17
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.70*	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,360.34	332.77
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.00*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,941.17	352.26
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.70*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,191.45	382.17
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.35*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,508.80	210.58
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.97*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,070.74	245.68
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.53*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,278.41	276.88
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.66*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,782.40	317.17
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.70*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,237.95	334.07
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.00*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,699.12	352.26
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.70*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,397.34	382.17
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.35*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	12,160.41	396.46
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,595.35	412.71
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.91*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,634.62	428.96
		For 2-Way Valve Instead Of 3-Way, Deduct	*-129.34*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,933.01	209.28
		For Fan Coil Units Without Cabinet, Deduct	*-398.02*	
		For Thru-Wall Sleeve, Add	*138.86*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.97*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,346.99	245.68
		For Fan Coil Units Without Cabinet, Deduct	*-453.00*	
		For Thru-Wall Sleeve, Add	*153.10*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.53*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,980.90	276.88
		For Fan Coil Units Without Cabinet, Deduct	*-541.82*	
		For Thru-Wall Sleeve, Add	*165.63*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.66*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,576.02	317.17
		For Fan Coil Units Without Cabinet, Deduct	*-622.99*	
		For Thru-Wall Sleeve, Add	*181.82*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.70*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,179.82	334.07
		For Fan Coil Units Without Cabinet, Deduct	*-710.31*	
		For Thru-Wall Sleeve, Add	*188.32*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.00*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,701.21	352.26
		For Fan Coil Units Without Cabinet, Deduct	*-934.92*	
		For Thru-Wall Sleeve, Add	*195.53*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.70*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,905.80	382.17
		For Fan Coil Units Without Cabinet, Deduct	*-1,109.41*	
		For Thru-Wall Sleeve, Add	*207.93*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.35*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,330.84	209.28
		For Fan Coil Units Without Cabinet, Deduct	*-607.69*	
		For Thru-Wall Sleeve, Add	*138.86*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-55.97*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,871.42	245.68
		For Fan Coil Units Without Cabinet, Deduct	*-681.66*	
		For Thru-Wall Sleeve, Add	*153.10*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-59.53*	
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,029.27	276.88
		For Fan Coil Units Without Cabinet, Deduct	*-849.08*	
		For Thru-Wall Sleeve, Add	*165.63*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-62.66*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,892.52	317.17
		For Fan Coil Units Without Cabinet, Deduct	*-970.47*	
		For Thru-Wall Sleeve, Add	*181.82*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-66.70*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,707.33	334.07
		For Fan Coil Units Without Cabinet, Deduct	*-1,089.44*	
		For Thru-Wall Sleeve, Add	*188.32*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-115.00*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,307.97	352.26
		For Fan Coil Units Without Cabinet, Deduct	*-1,325.93*	
		For Thru-Wall Sleeve, Add	*195.53*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-117.70*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,934.58	382.17
		For Fan Coil Units Without Cabinet, Deduct	*-1,563.72*	
		For Thru-Wall Sleeve, Add	*207.93*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-122.35*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,998.64	396.46
		For Fan Coil Units Without Cabinet, Deduct	*-1,720.50*	
		For Thru-Wall Sleeve, Add	*213.59*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-124.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,271.80	412.71
		For Fan Coil Units Without Cabinet, Deduct	*-1,908.23*	
		For Thru-Wall Sleeve, Add	*220.09*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-126.91*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	14,162.91	412.71
		For Fan Coil Units Without Cabinet, Deduct	*-2,038.64*	
		For Thru-Wall Sleeve, Add	*226.58*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-129.34*	

23 82 19 00-0041 Hi-Wall Chilled Water Fan Coil Units *(23 82 19)*

23 82 19 00-0042	EA	9,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-9) Note: Includes LCD remote and wall bracket.	2,215.19	245.68
23 82 19 00-0043	EA	12,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-12) Note: Includes LCD remote and wall bracket.	2,493.39	276.88
23 82 19 00-0044	EA	18,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-18) Note: Includes LCD remote and wall bracket.	3,516.10	317.17
23 82 19 00-0045	EA	24,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-24) Note: Includes LCD remote and wall bracket.	3,877.66	334.07
23 82 19 00-0046	EA	36,000 BTU Hi-Wall Chilled Water Fan Coil Unit (Multi aqua - MHWW-36) Note: Includes LCD remote and wall bracket.	4,140.62	352.26

23 82 19 00-0047 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0048	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	552.67	

23 82 19 00-0049 Horizontal Recessed Fan Coil Unit *(23 82 19)*

Note: First Company HX Series

23 82 19 00-0050	EA	600 CFM, 18 MBH Cooling, No Heating, Uncased Horizontal Recessed Fan Coil Unit	1,128.61	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0051	EA	600 CFM, 18 MBH Cooling, 3, 5 Or 6 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,248.97	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0052	EA	600 CFM, 18 MBH Cooling, 8 Or 10 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,306.96	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0053	EA	600 CFM, 19 MBH Cooling, No Heating, Uncased Horizontal Recessed Fan Coil Unit	1,180.03	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0054	EA	600 CFM, 19 MBH Cooling, 3, 5 Or 6 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,306.96	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0055	EA	600 CFM, 19 MBH Cooling, 8 Or 10 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,374.79	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0056	EA	800 CFM, 24 MBH Cooling, No Heating, Uncased Horizontal Recessed Fan Coil Unit	1,203.01	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0057	EA	800 CFM, 24 MBH Cooling, 3, 5 Or 6 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,324.46	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0058	EA	800 CFM, 24 MBH Cooling, 8 Or 10 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,384.64	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0059	EA	1,000 CFM, 30 MBH Cooling, No Heating, Uncased Horizontal Recessed Fan Coil Unit	1,320.08	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0060	EA	1,000 CFM, 30 MBH Cooling, 3, 5 Or 6 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,452.48	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0061	EA	1,000 CFM, 30 MBH Cooling, 8 Or 10 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,499.53	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0062	EA	1,200 CFM, 36 MBH Cooling, No Heating, Uncased Horizontal Recessed Fan Coil Unit	1,438.25	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0063	EA	1,200 CFM, 36 MBH Cooling, 3, 5 Or 6 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,573.93	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0064	EA	1,200 CFM, 36 MBH Cooling, 8 Or 10 KW Heating, Uncased Horizontal Recessed Fan Coil Unit	1,623.16	190.11
		For Expansion Valve Kit, Add	*141.15*	
23 82 19 00-0065	EA	24-1/2" x 40" Ceiling Access Panel For 18 - 24 MBH Uncased Horizontal Recessed Fan Coil Unit Without Enclosure	282.08	64.99
23 82 19 00-0066	EA	24-1/2" x 46" Ceiling Access Panel For 30 MBH Uncased Horizontal Recessed Fan Coil Unit Without Enclosure	317.92	77.99
23 82 19 00-0067	EA	24-1/2" x 52-1/2" Ceiling Access Panel For 36 MBH Uncased Horizontal Recessed Fan Coil Unit Without Enclosure	350.54	87.75
23 82 19 00-0068	EA	23-7/8" x 39-3/4" x 11" Enclosure With Ceiling Panel For 18 - 24 MBH Uncased Horizontal Recessed Fan Coil Unit	618.97	178.73
23 82 19 00-0069	EA	23-7/8" x 45-3/4" x 11" Enclosure With Ceiling Panel For 30 MBH Uncased Horizontal Recessed Fan Coil Unit	663.51	194.98
23 82 19 00-0070	EA	23-7/8" x 51-3/4" x 11" Enclosure With Ceiling Panel For 36 MBH Uncased Horizontal Recessed Fan Coil Unit	705.84	211.23

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	38.98	
23 82 29 00-0003	EA	Cap Radiator	61.31	

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	64.86	
		For Wall Support Bracket, Add	*30.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	92.91	
		For Wall Support Bracket, Add	*32.02*	
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	108.43	
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	137.15	
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	89.36	
23 82 29 00-0010		**Radiator Covers** *(23 82 29)*		
		Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.		
23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	140.54	6.66
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	87.53	6.66
23 82 29 00-0013		**Radiator Shields** *(23 82 29)*		
23 82 29 00-0014	SF	Stainless Steel Radiator Shield	76.97	6.66
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	50.47	6.66
23 82 29 00-0016		**Removal And Reinstallation Of Radiator** *(23 82 29)*		
		Note: Includes storage and cleaning.		
23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	97.49	
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	64.99	
23 82 33		**Convectors** *(23 82)*		
23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)*		
		Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	662.26	142.98
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*71.00*	
		For Snap-On Inlet Grille, Add	*53.33*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*155.96*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	780.98	155.99
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*76.90*	
		For Snap-On Inlet Grille, Add	*57.27*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*190.62*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	898.32	184.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*89.83*	
		For Snap-On Inlet Grille, Add	*65.88*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*216.62*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,076.01	214.48
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*103.48*	
		For Snap-On Inlet Grille, Add	*74.99*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*262.87*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,283.06	257.38
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*122.97*	
		For Snap-On Inlet Grille, Add	*87.98*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*312.61*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,443.80	283.12
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*134.65*	
		For Snap-On Inlet Grille, Add	*95.77*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*355.24*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,676.84	343.16
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*161.93*	
		For Snap-On Inlet Grille, Add	*113.96*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*404.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,831.14	364.61
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*171.69*	
		For Snap-On Inlet Grille, Add	*120.46*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*447.60*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,997.57	407.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*191.17*	
		For Snap-On Inlet Grille, Add	*133.44*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*483.12*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,204.72	450.41
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*210.68*	
		For Snap-On Inlet Grille, Add	*146.46*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*532.85*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,371.17	493.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*230.17*	
		For Snap-On Inlet Grille, Add	*159.45*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*568.38*	

23 82 33 00-0014 26" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	777.22	188.09
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*90.63*	
		For Snap-On Inlet Grille, Add	*66.42*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.30*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	912.74	218.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*104.28*	
		For Snap-On Inlet Grille, Add	*75.52*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*204.80*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,104.77	256.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*121.37*	
		For Snap-On Inlet Grille, Add	*86.92*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.07*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,295.87	286.11
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*134.62*	
		For Snap-On Inlet Grille, Add	*95.74*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*303.50*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,513.36	321.72
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*150.65*	
		For Snap-On Inlet Grille, Add	*106.43*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*360.92*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,694.29	348.50
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*162.74*	
		For Snap-On Inlet Grille, Add	*114.49*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*410.14*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,932.17	397.11
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*184.88*	
		For Snap-On Inlet Grille, Add	*129.26*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*467.56*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,108.75	421.42
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*195.67*	
		For Snap-On Inlet Grille, Add	*136.45*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*516.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,282.18	459.50
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*212.55*	
		For Snap-On Inlet Grille, Add	*147.70*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*557.79*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,503.08	496.82
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*229.60*	
		For Snap-On Inlet Grille, Add	*159.07*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*615.21*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,671.42	531.00
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*244.95*	
		For Snap-On Inlet Grille, Add	*169.30*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*656.23*	
23 82 33 00-0026		32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*		
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	891.09	228.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*109.94*	
		For Snap-On Inlet Grille, Add	*79.29*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*190.62*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,062.98	276.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*131.80*	
		For Snap-On Inlet Grille, Add	*93.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*225.28*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,282.35	323.67
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*153.05*	
		For Snap-On Inlet Grille, Add	*108.03*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*277.27*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,486.77	351.75
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*165.87*	
		For Snap-On Inlet Grille, Add	*116.58*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*333.85*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,709.69	380.08
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*178.61*	
		For Snap-On Inlet Grille, Add	*125.07*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*397.01*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,906.22	407.51
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*191.17*	
		For Snap-On Inlet Grille, Add	*133.44*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*451.15*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,138.95	441.83
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*206.85*	
		For Snap-On Inlet Grille, Add	*143.90*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*514.31*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,336.79	470.16
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*219.80*	
		For Snap-On Inlet Grille, Add	*152.53*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*568.45*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,512.49	501.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*233.84*	
		For Snap-On Inlet Grille, Add	*161.89*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*613.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,739.67	531.91
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*247.85*	
		For Snap-On Inlet Grille, Add	*171.23*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*676.73*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,906.92	557.65
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*259.36*	
		For Snap-On Inlet Grille, Add	*178.90*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*721.84*	
23 82 33 00-0038		Electric Convectors, Floor Standing Units *(23 82 33)*		
23 82 33 00-0039		4" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	723.82	131.70
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	803.08	131.70
23 82 33 00-0042		6" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	839.65	131.70
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	961.58	131.70
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,068.26	131.70
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,235.91	131.70
23 82 36		**Finned-Tube Radiation Heaters** *(23 82)*		
23 82 36 00-0001		Finned Tube Baseboard Units *(23 82 36)* Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0003	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	418.55	50.70
		For 90 Degree Corner, Add	*59.05*	
		For Valve Enclosure, Add	*59.05*	
		For Filler Piece, Add	*52.05*	
		For End Cap, Add	*39.88*	
		For Copper Tube With Aluminum Fins, Add	*9.53*	
23 82 36 00-0004	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	555.36	76.69
		For 90 Degree Corner, Add	*69.09*	
		For Valve Enclosure, Add	*69.09*	
		For Filler Piece, Add	*62.09*	
		For End Cap, Add	*46.41*	
		For Copper Tube With Aluminum Fins, Add	*14.30*	
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	671.54	101.39
		For 90 Degree Corner, Add	*74.99*	
		For Valve Enclosure, Add	*74.99*	
		For Filler Piece, Add	*67.99*	
		For End Cap, Add	*50.25*	
		For Copper Tube With Aluminum Fins, Add	*19.06*	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	836.50	141.95
		For 90 Degree Corner, Add	*91.11*	
		For Valve Enclosure, Add	*91.11*	
		For Filler Piece, Add	*84.11*	
		For End Cap, Add	*60.72*	
		For Copper Tube With Aluminum Fins, Add	*23.70*	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,000.46	170.54
		For 90 Degree Corner, Add	*107.49*	
		For Valve Enclosure, Add	*107.49*	
		For Filler Piece, Add	*100.49*	
		For End Cap, Add	*71.37*	
		For Copper Tube With Aluminum Fins, Add	*28.22*	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,135.59	181.98
		For 90 Degree Corner, Add	*113.99*	
		For Valve Enclosure, Add	*113.99*	
		For Filler Piece, Add	*106.99*	
		For End Cap, Add	*75.59*	
		For Copper Tube With Aluminum Fins, Add	*33.86*	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,251.76	201.09
		For 90 Degree Corner, Add	*124.91*	
		For Valve Enclosure, Add	*124.91*	
		For Filler Piece, Add	*117.91*	
		For End Cap, Add	*82.69*	
		For Copper Tube With Aluminum Fins, Add	*37.25*	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,429.73	227.48
		For 90 Degree Corner, Add	*139.99*	
		For Valve Enclosure, Add	*139.99*	
		For Filler Piece, Add	*132.99*	
		For End Cap, Add	*92.49*	
		For Copper Tube With Aluminum Fins, Add	*42.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,576.88	250.22
		For 90 Degree Corner, Add	*153.00*	
		For Valve Enclosure, Add	*153.00*	
		For Filler Piece, Add	*146.00*	
		For End Cap, Add	*100.95*	
		For Copper Tube With Aluminum Fins, Add	*47.40*	
23 82 36 00-0012		1" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	492.82	50.70
		For 90 Degree Corner, Add	*59.05*	
		For Valve Enclosure, Add	*59.05*	
		For Filler Piece, Add	*52.05*	
		For End Cap, Add	*39.88*	
		For Copper Tube With Aluminum Fins, Add	*13.62*	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	666.77	76.69
		For 90 Degree Corner, Add	*69.09*	
		For Valve Enclosure, Add	*69.09*	
		For Filler Piece, Add	*62.09*	
		For End Cap, Add	*46.41*	
		For Copper Tube With Aluminum Fins, Add	*20.42*	
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	820.09	101.39
		For 90 Degree Corner, Add	*74.99*	
		For Valve Enclosure, Add	*74.99*	
		For Filler Piece, Add	*67.99*	
		For End Cap, Add	*50.25*	
		For Copper Tube With Aluminum Fins, Add	*27.23*	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,021.35	141.95
		For 90 Degree Corner, Add	*91.14*	
		For Valve Enclosure, Add	*91.14*	
		For Filler Piece, Add	*84.14*	
		For End Cap, Add	*60.74*	
		For Copper Tube With Aluminum Fins, Add	*33.86*	
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,220.12	170.54
		For 90 Degree Corner, Add	*107.44*	
		For Valve Enclosure, Add	*107.44*	
		For Filler Piece, Add	*100.44*	
		For End Cap, Add	*71.34*	
		For Copper Tube With Aluminum Fins, Add	*40.31*	
23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,399.45	181.98
		For 90 Degree Corner, Add	*113.99*	
		For Valve Enclosure, Add	*113.99*	
		For Filler Piece, Add	*106.99*	
		For End Cap, Add	*75.59*	
		For Copper Tube With Aluminum Fins, Add	*48.37*	
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,541.59	201.09
		For 90 Degree Corner, Add	*124.83*	
		For Valve Enclosure, Add	*124.83*	
		For Filler Piece, Add	*117.83*	
		For End Cap, Add	*82.64*	
		For Copper Tube With Aluminum Fins, Add	*53.21*	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,763.95	227.48
		For 90 Degree Corner, Add	*139.99*	
		For Valve Enclosure, Add	*139.99*	
		For Filler Piece, Add	*132.99*	
		For End Cap, Add	*92.49*	
		For Copper Tube With Aluminum Fins, Add	*61.27*	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,945.51	250.22
		For 90 Degree Corner, Add	*152.84*	
		For Valve Enclosure, Add	*152.84*	
		For Filler Piece, Add	*145.84*	
		For End Cap, Add	*100.85*	
		For Copper Tube With Aluminum Fins, Add	*67.72*	
23 82 36 00-0022		1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	567.09	50.70
		For 90 Degree Corner, Add	*59.05*	
		For Valve Enclosure, Add	*59.05*	
		For Filler Piece, Add	*52.05*	
		For End Cap, Add	*39.88*	
		For Copper Tube With Aluminum Fins, Add	*17.70*	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	778.17	76.69
		For 90 Degree Corner, Add	*69.09*	
		For Valve Enclosure, Add	*69.09*	
		For Filler Piece, Add	*62.09*	
		For End Cap, Add	*46.41*	
		For Copper Tube With Aluminum Fins, Add	*26.55*	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	968.63	101.39
		For 90 Degree Corner, Add	*74.99*	
		For Valve Enclosure, Add	*74.99*	
		For Filler Piece, Add	*67.99*	
		For End Cap, Add	*50.25*	
		For Copper Tube With Aluminum Fins, Add	*35.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,206.05	141.95
		For 90 Degree Corner, Add	*91.14*	
		For Valve Enclosure, Add	*91.14*	
		For Filler Piece, Add	*84.14*	
		For End Cap, Add	*60.74*	
		For Copper Tube With Aluminum Fins, Add	*44.02*	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,439.99	170.54
		For 90 Degree Corner, Add	*107.44*	
		For Valve Enclosure, Add	*107.44*	
		For Filler Piece, Add	*100.44*	
		For End Cap, Add	*71.34*	
		For Copper Tube With Aluminum Fins, Add	*52.40*	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,663.30	181.98
		For 90 Degree Corner, Add	*113.99*	
		For Valve Enclosure, Add	*113.99*	
		For Filler Piece, Add	*106.99*	
		For End Cap, Add	*75.59*	
		For Copper Tube With Aluminum Fins, Add	*62.88*	
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,831.82	201.09
		For 90 Degree Corner, Add	*124.83*	
		For Valve Enclosure, Add	*124.83*	
		For Filler Piece, Add	*117.83*	
		For End Cap, Add	*82.64*	
		For Copper Tube With Aluminum Fins, Add	*69.17*	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,098.16	227.48
		For 90 Degree Corner, Add	*139.99*	
		For Valve Enclosure, Add	*139.99*	
		For Filler Piece, Add	*132.99*	
		For End Cap, Add	*92.49*	
		For Copper Tube With Aluminum Fins, Add	*79.65*	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,314.89	250.22
		For 90 Degree Corner, Add	*152.84*	
		For Valve Enclosure, Add	*152.84*	
		For Filler Piece, Add	*145.84*	
		For End Cap, Add	*100.85*	
		For Copper Tube With Aluminum Fins, Add	*88.04*	

23 82 36 00-0032 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0033 Electric Wall Heating 10" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	160.88	73.17
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	164.54	73.17

23 82 36 00-0036 Electric Wall Heating 16" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	197.45	73.17
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	206.60	73.17

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,664.34	166.29
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,693.58	166.29
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,722.82	166.29
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,752.04	166.29
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,781.28	166.29
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,810.53	166.29
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,840.93	166.29
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	222.16	110.42

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,888.73	199.54
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,947.21	199.54
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,005.67	199.54
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,064.16	199.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,122.62	199.54
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,181.10	199.54
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,239.56	199.54
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	266.06	133.03
23 82 39 13-0020		Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,878.97	266.06
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,937.43	266.06
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,995.91	266.06
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,054.37	266.06
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,112.86	266.06
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,171.32	266.06
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	332.58	166.29
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,752.27	332.58
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,839.97	332.58
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,927.68	332.58
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,015.38	332.58
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,103.10	332.58
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,190.81	332.58
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,278.51	332.58
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	444.32	222.16
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,742.49	399.10
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,859.44	399.10
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,976.38	399.10
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,093.33	399.10
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,210.27	399.10
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,327.22	399.10
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	7,444.16	399.10
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	532.12	266.06
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	357.47	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	617.46	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	737.04	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	997.00	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,517.62	129.99
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,521.04	129.99
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,718.23	129.99
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,053.42	194.98
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,154.31	194.98
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,304.53	194.98
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,730.26	259.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,032.91	259.98
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,225.51	259.98
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,381.43	259.98
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,772.78	324.97
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,825.54	324.97
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,875.98	324.97
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,067.79	389.97
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,462.16	389.97
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	5,076.14	454.96
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,504.55	454.96
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,868.30	519.96
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	8,335.72	519.96
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal Note: Required only for unit heaters located within 7' of a working surface.	306.20	32.50

23 82 39 16-0023 Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*

23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,188.73	129.99
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,297.62	194.98
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,495.97	194.98
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,039.82	259.98
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,234.68	259.98
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,714.70	389.97
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,012.77	389.97
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,262.71	389.97
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,734.48	454.96
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,030.28	454.96
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,628.69	454.96
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,434.25	584.94
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,424.44	584.94
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	9,034.33	584.94
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	10,306.16	649.93
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	423.26	32.50

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	779.92
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	1,039.90

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,046.51	133.03
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,046.51	133.03
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,406.84	166.29
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,611.32	199.54
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,357.53	266.06
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,448.09	332.58
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,774.48	399.10
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	7,008.96	465.61
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,300.22	133.03
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,250.70	133.03
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,479.35	166.29
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,705.66	199.54
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,546.20	266.06

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	459.81	83.15
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	538.59	93.12
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	849.90	93.12
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	523.75	83.15
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	639.50	93.12
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	968.42	93.12
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	688.76	109.75
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,296.57	116.40
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,461.09	116.40
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,697.73	123.06
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,842.19	123.06
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	774.21	109.75
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,431.18	116.40
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,595.69	116.40
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	699.41	83.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 19-0031		Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	467.99	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	962.02	

23 83 Radiant Heating Units *(23 80)*

23 83 13 Radiant-Heating Electric Cables *(23 83)*

23 83 13 13 Radiant-Heating Electric Cables *(23 83 13)*

23 83 13 13-0001		Self Regulating Heating Cable *(23 83 13 13)*		
23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 Degrees F.	9.35	0.79
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.99	0.79
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	10.43	0.79
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	9.35	0.79
23 83 13 13-0006	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F	11.07	0.79
23 83 13 13-0007	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable Note: Tinned copper braid, at 50 degrees F.	11.70	0.79
23 83 13 13-0008	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 Degrees F.	11.69	0.79
23 83 13 13-0009	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.98	0.79
23 83 13 13-0010	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.28	0.79
23 83 13 13-0011	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	11.69	0.79
23 83 13 13-0012	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F	11.98	0.79
23 83 13 13-0013	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions Note: Tinned copper braid, at 50 degrees F.	12.28	0.79
23 83 13 13-0014	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 Degrees F.	14.63	0.79
23 83 13 13-0015	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.21	0.79
23 83 13 13-0016	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.51	0.79
23 83 13 13-0017	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	14.63	0.79
23 83 13 13-0018	LF	5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F	15.21	0.79
23 83 13 13-0019	LF	8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments Note: Tinned copper braid, at 50 degrees F.	15.51	0.79
23 83 13 13-0020	EA	Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable	326.04	62.15
23 83 13 13-0021	EA	Splice And Tee Kit For Self Regulating Low Temperature Heating Cable	326.04	62.15
23 83 13 13-0022	EA	End Seal Kit For Self Regulating Low Temperature Heating Cable	224.34	11.30
23 83 13 13-0023	EA	Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable	608.92	28.25
23 83 13 13-0024	EA	Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable	671.68	28.25

23 83 33 Electric Radiant Heaters *(23 83)*

23 83 33 00-0001		Residential Wall Heaters *(23 83 33)*		
23 83 33 00-0002	EA	750 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	528.43	133.03
23 83 33 00-0003	EA	1,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	528.43	133.03
23 83 33 00-0004	EA	1,250 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	594.02	133.03
23 83 33 00-0005	EA	1,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	594.02	133.03
23 83 33 00-0006	EA	2,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	607.14	133.03
23 83 33 00-0007	EA	2,500 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	607.14	133.03
23 83 33 00-0008	EA	3,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	659.62	133.03
23 83 33 00-0009	EA	4,000 Watt Wall Heater With Fan, Recessed, Residential 120-277 Volt	685.85	133.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 33 00-0010		Commercial Wall Heaters *(23 83 33)*		
23 83 33 00-0011	EA	750 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	633.38	133.03
23 83 33 00-0012	EA	1,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	633.38	133.03
23 83 33 00-0013	EA	1,250 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	633.38	133.03
23 83 33 00-0014	EA	1,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	685.85	133.03
23 83 33 00-0015	EA	2,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	725.21	133.03
23 83 33 00-0016	EA	2,500 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	725.21	133.03
23 83 33 00-0017	EA	3,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	921.98	133.03
23 83 33 00-0018	EA	4,000 Watt Wall Heater With Fan, Recessed, Commercial 120-277 Volt	921.98	133.03

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001		Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)* Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.		
23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,781.20	535.55
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,472.53	536.85

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001		Steam Type Pneumatically Controlled *(23 84 13 23)* Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.		
23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,228.20	343.16
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*685.79*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,228.20	343.16
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*685.79*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,199.40	343.16
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*977.15*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,329.37	428.96
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,020.48*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,796.31	343.16
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,456.22*	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,926.28	428.96
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,499.55*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,421.46	428.96
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,248.10*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,583.95	536.85
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,302.27*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001		Residential Humidifiers *(23 84 13 29)* Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	643.85	64.99

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001		Mechanical Dehumidification Units *(23 84 16 16)* Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,449.09	66.51
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	3,081.94	77.59
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,132.76	88.69

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001		Self Contained Free Standing Unit *(23 84 16 33)* Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	556.11	143.93
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	669.42	143.93
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	737.40	143.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR
CSI UOM DESCRIPTION | TOTAL DIRECT UNIT COST | DEMOLITION UNIT COST

25 Integrated Automation

25 50 Integrated Automation Facility Controls *(25)*

25 55 Integrated Automation Control of HVAC *(25 50)*

See CSI section 23 09 00 00-0000 for Instrumentation And Control For HVAC.

END OF SECTION 25

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.		526.97	
		For Up To 20, Add		*114.32*	
		For >20 To 50, Add		*91.46*	
		For >50 To 100, Add		*45.73*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.		690.88	
		For Up To 20, Add		*155.30*	
		For >20 To 50, Add		*124.24*	
		For >50 To 100, Add		*62.12*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.		1,051.46	
		For Up To 20, Add		*245.45*	
		For >20 To 50, Add		*196.36*	
		For >50 To 100, Add		*98.18*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.		525.18	
		For Up To 20, Add		*113.88*	
		For >20 To 50, Add		*91.10*	
		For >50 To 100, Add		*45.55*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.		677.53	
		For Up To 20, Add		*151.96*	
		For >20 To 50, Add		*121.57*	
		For >50 To 100, Add		*60.79*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.		1,021.82	
		For Up To 20, Add		*238.04*	
		For >20 To 50, Add		*190.43*	
		For >50 To 100, Add		*95.21*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		408.96	
		For Up To 20, Add		*84.82*	
		For >20 To 50, Add		*67.86*	
		For >50 To 100, Add		*33.93*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		585.98	
		For Up To 20, Add		*129.08*	
		For >20 To 50, Add		*103.26*	
		For >50 To 100, Add		*51.63*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		844.13	
		For Up To 20, Add		*193.61*	
		For >20 To 50, Add		*154.89*	
		For >50 To 100, Add		*77.45*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		767.53	
		For Up To 20, Add		*174.46*	
		For >20 To 50, Add		*139.57*	
		For >50 To 100, Add		*69.79*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		1,063.69	
		For Up To 20, Add		*248.50*	
		For >20 To 50, Add		*198.80*	
		For >50 To 100, Add		*99.40*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.		1,968.25	
		For Up To 20, Add		*474.64*	
		For >20 To 50, Add		*379.71*	
		For >50 To 100, Add		*189.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	885.25	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*203.89*	
		For >20 To 50, Add	*163.11*	
		For >50 To 100, Add	*81.56*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	1,314.07	
		Note: 4mm thick, aluminum frame, magnetic cover.		
		For Up To 20, Add	*311.10*	
		For >20 To 50, Add	*248.88*	
		For >50 To 100, Add	*124.44*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect	40.68
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter	40.68
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device	11.30
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags	4.67
		Note: Includes filling out tag information, installation and removal of identifying tags.	

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	23.50
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	23.50

26 01 26 Maintenance Testing of Electrical Systems *(26 01)*

26 01 26 00-0001 NETA Electrical Maintenance Testing *(26 01 26)*

26 01 26 00-0002	EA	600 Volt Cable Insulation NETA Electrical Maintenance Testing Per Conductor	363.75
26 01 26 00-0003	EA	NETA Field Maintenance Testing Of Aged Medium Voltage (5 KV - 15 KV) Cables, Per Cable	485.00
		Note: Provide test equipment, labor, and technical personnel as necessary to perform the electrical maintenance tests. Perform Full Dielectric-Absorption (Megger) test, DC High Potential test and provide "Final Test Report".	
26 01 26 00-0004	EA	Panel Board NETA Electrical Maintenance Testing	363.75
		Note: Excludes metering and CT's.	
26 01 26 00-0005	EA	Primary Injection Breaker NETA Electrical Maintenance Testing	545.62
		Note: Includes setting breaker 3 phase from 400 amperes to 1,200 amperes.	
26 01 26 00-0006	EA	Primary Injection Breaker NETA Electrical Maintenance Testing	727.50
		Note: Includes setting breaker 3 phase from 1,200 amperes to 2,000 amperes.	
26 01 26 00-0007	EA	Primary And Secondary Injection Low Voltage Air Circuit Breaker NETA Electrical Maintenance Testing	1,091.25
		Note: Includes CT ratio test to include setting breaker 3 phase 400A to 2000A. Excludes breaker removal from gear.	
26 01 26 00-0008	EA	Single, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	727.50
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0009	EA	2 To 3, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Maintenance Testing	454.69
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2,000 Amperes. Excludes breaker removal from gear.	
26 01 26 00-0010	EA	4 Or More, Primary And Secondary Acceptance Test, 400 Amperes Circuit Breaker NETA Electrical Testing	318.28
		Note: Includes CT ratio test to include setting breaker 3 phase 400 Amperes to 2000 Amperes. Excludes breaker removal from gear.	

26 01 26 00-0011 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers *(26 01 26)*

Note: Includes all required small tools and equipment. Use other MRO tasks required to remove equipment cover.

26 01 26 00-0012 TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Not Connected *(26 01 26 00-0011)*

26 01 26 00-0013	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Not Connected	28.20
26 01 26 00-0014	EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Not Connected	47.00
26 01 26 00-0015	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Not Connected	65.80
26 01 26 00-0016	EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Not Connected	84.60
26 01 26 00-0017	EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Not Connected	103.40
26 01 26 00-0018	EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Not Connected	122.20
26 01 26 00-0019	EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Not Connected	131.60
26 01 26 00-0020	EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Not Connected	141.00
26 01 26 00-0021	EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Not Connected	47.00
26 01 26 00-0022	EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Not Connected	65.80
26 01 26 00-0023	EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Not Connected	84.60
26 01 26 00-0024	EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Not Connected	94.00

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 26 00-0025		EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Not Connected	131.60	
26 01 26 00-0026		EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Not Connected	150.40	
26 01 26 00-0027		EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Not Connected	169.20	
26 01 26 00-0028			TTR Maintenance Testing Or Meggar Maintenance Testing of Transformers, Connected *(26 01 26 00-0011)*		
26 01 26 00-0029		EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Single Phase Transformer, Connected	47.00	
26 01 26 00-0030		EA	TTR Or Megger Maintenance Testing Of >15 To 50 KVA, Single Phase Transformer, Connected	65.80	
26 01 26 00-0031		EA	TTR Or Megger Maintenance Testing Of 75 KVA, Single Phase Transformer, Connected	75.20	
26 01 26 00-0032		EA	TTR Or Megger Maintenance Testing Of 100 KVA, Single Phase Transformer, Connected	94.00	
26 01 26 00-0033		EA	TTR Or Megger Maintenance Testing Of 150 KVA, Single Phase Transformer, Connected	131.60	
26 01 26 00-0034		EA	TTR Or Megger Maintenance Testing Of 167 KVA, Single Phase Transformer, Connected	159.80	
26 01 26 00-0035		EA	TTR Or Megger Maintenance Testing Of 200 KVA, Single Phase Transformer, Connected	169.20	
26 01 26 00-0036		EA	TTR Or Megger Maintenance Testing Of 250 KVA, Single Phase Transformer, Connected	178.60	
26 01 26 00-0037		EA	TTR Or Megger Maintenance Testing Of Up To 15 KVA, Three Phase Transformer, Connected	65.80	
26 01 26 00-0038		EA	TTR Or Megger Maintenance Testing Of >15 To 45 KVA, Three Phase Transformer, Connected	84.60	
26 01 26 00-0039		EA	TTR Or Megger Maintenance Testing Of 75 KVA, Three Phase Transformer, Connected	112.80	
26 01 26 00-0040		EA	TTR Or Megger Maintenance Testing Of 112.5 KVA, Three Phase Transformer, Connected	150.40	
26 01 26 00-0041		EA	TTR Or Megger Maintenance Testing Of 150 KVA, Three Phase Transformer, Connected	169.20	
26 01 26 00-0042		EA	TTR Or Megger Maintenance Testing Of 225 KVA, Three Phase Transformer, Connected	197.40	
26 01 26 00-0043		EA	TTR Or Megger Testing Of 300 KVA, Three Phase Transformer, Connected	253.80	

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003		EA	APCD Permit To Construct And Operate Emergency Generator	5,181.28	

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003		EA	300 Watt, T3, Tungsten Halogen Lamp	60.33	
26 01 50 51-0004		EA	500 Watt, T3, Tungsten Halogen Lamp	78.83	
26 01 50 51-0005		EA	1,000 Watt, T3, Tungsten Halogen Lamp	119.11	
26 01 50 51-0006		EA	60 Watt, PAR38, Halogen Lamp	27.59	
26 01 50 51-0007		EA	75 Watt, PAR38, Halogen Lamp	27.59	
26 01 50 51-0008		EA	90 Watt, PAR38, Halogen Lamp	25.94	
26 01 50 51-0009		EA	100 Watt, PAR38, Halogen Lamp	25.94	
26 01 50 51-0010		EA	60 Watt, PAR38, Halogen IR Reflective Lamp	37.39	
26 01 50 51-0011		EA	67 Watt, PAR38, Halogen IR Reflective Lamp	41.31	
26 01 50 51-0012		EA	70 Watt, PAR38, Halogen IR Reflective Lamp	40.30	
26 01 50 51-0013		EA	90 Watt, PAR38, Halogen IR Reflective Lamp	43.29	
26 01 50 51-0014		EA	100 Watt, PAR38, Halogen IR Reflective Lamp	43.93	
26 01 50 51-0015		EA	20-50 Watt, 12 Volt MR16 Low-Voltage Halogen Lamp	17.29	
26 01 50 51-0016		EA	20-37 Watt, Infrared Reflecting, 12 Volt MR16 Low-Voltage Halogen Lamp	24.77	
26 01 50 51-0017		EA	50 Watt, Infrared Reflecting, 12 Volt MR16 Low-Voltage Halogen Lamp	23.67	
26 01 50 51-0018		EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	23.11	
26 01 50 51-0019		EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	23.11	
26 01 50 51-0020		EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	25.47	
26 01 50 51-0021		EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	25.47	

26 01 50 51-0022 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0023		EA	100 Watt, Frosted, Interior Incandescent Lamp	6.68	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0024		EA	150 Watt, Frosted, Interior Incandescent Lamp	8.76	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0025		EA	200 Watt, Frosted, Interior Incandescent Lamp	11.11	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0026		EA	300 Watt, PS25, Interior Incandescent Lamp	14.06	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0027		EA	60 Watt, G25, Clear, Interior Incandescent Lamp	10.08	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0028		EA	75 Watt, R20, Interior Incandescent Lamp	16.67	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.24*	
26 01 50 51-0029		EA	75 Watt, PAR38, Exterior Incandescent Lamp	20.80	
			For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0030	EA	100 Watt, PAR38, Exterior Incandescent Lamp	19.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.24*	
26 01 50 51-0031	EA	150 Watt, PAR38, Exterior Incandescent Lamp	34.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.24*	
26 01 50 51-0032	EA	250 Watt, PAR38, Exterior Incandescent Lamp	73.90	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.62*	
26 01 50 51-0033	EA	300 Watt, PAR56, Exterior Incandescent Lamp	85.40	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.62*	

26 01 50 51-0034 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0035	EA	Convert Exit Light Lamps To Red LED Lamps	114.58	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0036	EA	Fluorescent Lamp For Exit Light	33.04	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-7.48*	
26 01 50 51-0037	EA	Lamp Replacement For Emergency Lights On Exit Sign	48.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.74*	

26 01 50 51-0038 Fluorescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0039	EA	18", 15 Watt, T8 Fluorescent Lamp	12.30	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0040	EA	2', 17 Watt, T8 Fluorescent Lamp	15.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0041	EA	3', 25 Watt, T8 Fluorescent Lamp	17.39	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0042	EA	4', 32 Watt, T8 Fluorescent Lamp	17.32	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0043	EA	4', 30 Watt, T8 Fluorescent Lamp	22.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0044	EA	4', 28 Watt, T8 Fluorescent Lamp	19.28	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0045	EA	4', 25 Watt, T8 Fluorescent Lamp	19.16	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0046	EA	4', 44 Watt, T8HO Fluorescent Lamp	31.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0047	EA	8', 59 Watt, T8 Fluorescent Lamp	23.87	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0048	EA	18", 15 Watt, T12 Fluorescent Lamp	19.35	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0049	EA	2', 20 Watt, T12 Fluorescent Lamp	14.30	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0050	EA	3', 30 Watt, T12 Fluorescent Lamp	16.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0051	EA	4', 34 Watt, T12 Fluorescent Lamp	16.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0052	EA	4', 40 Watt, T12 Fluorescent Lamp	15.78	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0053	EA	8', 60 Watt, T12 Fluorescent Lamp	24.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0054	EA	8', 75 Watt, T12 Fluorescent Lamp	20.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0055	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	36.20	
26 01 50 51-0056	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	19.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0057	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	15.86	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0058	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	15.29	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0059	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	17.08	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0060	EA	6", 4 Watt, T5 Fluorescent Lamp	13.82	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0061	EA	9", 6 Watt, T5 Fluorescent Lamp	13.56	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0062	EA	12", 8 Watt, T5 Fluorescent Lamp	14.05	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0063	EA	21", 13 Watt, T5 Fluorescent Lamp	14.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0064	EA	24", 14 Watt, T5 Fluorescent Lamp	17.24	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0065	EA	34", 21 Watt, T5 Fluorescent Lamp	18.70	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0066	EA	46", 28 Watt, T5 Fluorescent Lamp	18.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0067	EA	46", 54 Watt, T5HO Fluorescent Lamp	19.92	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0068	EA	46", 54 Watt T5 Fluorescent Lamp	18.39	
26 01 50 51-0069	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	11.18	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0070	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	12.47	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0071	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	26.65	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0072	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	34.46	
26 01 50 51-0073	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	34.46	
26 01 50 51-0074	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	66.91	
26 01 50 51-0075	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	23.65	
26 01 50 51-0076	EA	15 Watt Compact Fluorescent Reflector Lamps, Screw-In, BR30	15.53	
		For Dimming Capability, Add	*4.10*	
26 01 50 51-0077	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	28.84	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.74*	
26 01 50 51-0078	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	27.74	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.74*	
26 01 50 51-0079	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	11.68	
26 01 50 51-0080	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	9.94	
26 01 50 51-0081	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.48	
26 01 50 51-0082	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	46.40	
26 01 50 51-0083	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	50.71	
26 01 50 51-0084	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	97.51	
26 01 50 51-0085	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	117.01	
26 01 50 51-0086	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	120.98	
26 01 50 51-0087	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.01	
26 01 50 51-0088	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	44.91	
26 01 50 51-0089	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	52.06	

26 01 50 51-0090 Metal Halide Lamps *(26 01 50 51-0001)*

26 01 50 51-0091	EA	50 Watt, Pulse Start Metal Halide Lamp	49.93	
26 01 50 51-0092	EA	70 Watt, Pulse Start Metal Halide Lamp	47.63	
26 01 50 51-0093	EA	100 Watt, Pulse Start Metal Halide Lamp	54.88	
26 01 50 51-0094	EA	150 Watt, Pulse Start Metal Halide Lamp	53.24	
26 01 50 51-0095	EA	175 Watt, Pulse Start Metal Halide Lamp	52.76	
26 01 50 51-0096	EA	250 Watt, Pulse Start Metal Halide Lamp	53.09	
26 01 50 51-0097	EA	400 Watt, Pulse Start Metal Halide Lamp	64.64	
26 01 50 51-0098	EA	1,000 Watt, Pulse Start Metal Halide Lamp	75.71	
26 01 50 51-0099	EA	1,500 Watt, Pulse Start Metal Halide Lamp	75.26	

26 01 50 51-0100 High Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0101	EA	35 Watt, High Pressure Sodium Lamp	40.59	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0102	EA	50 Watt, High Pressure Sodium Lamp	40.59	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0103	EA	70 Watt, High Pressure Sodium Lamp	41.57	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0104	EA	100 Watt, High Pressure Sodium Lamp	43.46	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0105	EA	150 Watt, High Pressure Sodium Lamp	41.57	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0106	EA	250 Watt, High Pressure Sodium Lamp	41.57	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0107	EA	400 Watt, High Pressure Sodium Lamp	38.77	
		For Enclosed And Gasket Light Fixtures, Add	*2.88*	
26 01 50 51-0108	EA	1,000 Watt, High Pressure Sodium Lamp	93.89	

26 01 50 51-0109 Low Pressure Sodium Lamps *(26 01 50 51-0001)*

26 01 50 51-0110	EA	35 Watt, Low Pressure Sodium Lamp	108.63	
26 01 50 51-0111	EA	55 Watt, Low Pressure Sodium Lamp	121.62	
26 01 50 51-0112	EA	70 Watt, Low Pressure Sodium Lamp	124.55	
26 01 50 51-0113	EA	90 Watt, Low Pressure Sodium Lamp	127.47	
26 01 50 51-0114	EA	135 Watt, Low Pressure Sodium Lamp	139.18	
26 01 50 51-0115	EA	180 Watt, Low Pressure Sodium Lamp	191.86	

26 01 50 51-0116 LED Lamps *(26 01 50 51-0001)*

26 01 50 51-0117 LED Lamps, Candelabra Base, CA10 *(26 01 50 51-0116)*

26 01 50 51-0118	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	25.84	

26 01 50 51-0119 LED Lamps, Medium Base, A19 Or A21 *(26 01 50 51-0116)*

26 01 50 51-0120	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.21	
26 01 50 51-0121	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	37.21	
26 01 50 51-0122	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	67.74	
26 01 50 51-0123	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	44.92	
26 01 50 51-0124	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	86.82	

26 01 50 51-0125 LED Lamps, Medium Base, BR30 Or BR40 *(26 01 50 51-0116)*

26 01 50 51-0126	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	49.05	
26 01 50 51-0127	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	42.60	
26 01 50 51-0128	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	59.73	
26 01 50 51-0129	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	48.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0130	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	67.36	
26 01 50 51-0131	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	48.32	
26 01 50 51-0132		**LED Lamps, Medium Base, PAR** *(26 01 50 51-0116)*		
26 01 50 51-0133	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	55.15	
26 01 50 51-0134	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	78.85	
26 01 50 51-0135	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	78.85	
26 01 50 51-0136	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	75.03	
26 01 50 51-0137	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	71.22	
26 01 50 51-0138	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	71.22	
26 01 50 51-0139	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	148.30	
26 01 50 51-0140	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.85	
26 01 50 51-0141	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	75.03	
26 01 50 51-0142	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	78.85	
26 01 50 51-0143	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	78.85	
26 01 50 51-0144		**LED Lamps, GU Base, MR16** *(26 01 50 51-0116)*		
26 01 50 51-0145	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	34.97	
26 01 50 51-0146	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	49.05	
26 01 50 51-0147	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	55.15	
26 01 50 51-0148		**LED Lamps, PL Series** *(26 01 50 51-0116)*		
26 01 50 51-0149	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	17.11	
26 01 50 51-0150	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	22.53	
26 01 50 51-0151	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	19.00	
26 01 50 51-0152	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	21.21	
26 01 50 51-0153	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	21.21	
26 01 50 51-0154	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	25.19	
26 01 50 51-0155	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	21.21	
26 01 50 51-0156	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	21.21	
26 01 50 51-0157	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	21.21	
26 01 50 51-0158	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	21.21	
26 01 50 51-0159	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	23.86	
26 01 50 51-0160	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	23.86	
26 01 50 51-0161	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	23.86	
26 01 50 51-0162	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	23.86	
26 01 50 51-0163	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	22.53	
26 01 50 51-0164	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	22.53	
26 01 50 51-0165	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	22.53	
26 01 50 51-0166	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	23.42	
26 01 50 51-0167	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	23.42	
26 01 50 51-0168	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	23.61	
26 01 50 51-0169	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	23.61	
26 01 50 51-0170	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	23.61	
26 01 50 51-0171	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	23.61	
26 01 50 51-0172	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	24.30	
26 01 50 51-0173	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	24.30	
26 01 50 51-0174	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	24.30	
26 01 50 51-0175	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	24.30	
26 01 50 51-0176	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	24.30	
26 01 50 51-0177	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	24.30	
26 01 50 51-0178	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	24.30	
26 01 50 51-0179	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	24.30	
26 01 50 51-0180	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	31.21	
26 01 50 51-0181	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	31.21	
26 01 50 51-0182	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	31.21	
26 01 50 51-0183	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	29.62	
26 01 50 51-0184	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	29.62	
26 01 50 51-0185	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	29.62	
26 01 50 51-0186	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	26.87	
26 01 50 51-0187		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0116)*		
26 01 50 51-0188	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	60.12	
26 01 50 51-0189	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	60.12	
26 01 50 51-0190	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	76.47	
26 01 50 51-0191	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	76.47	
26 01 50 51-0192	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	51.68	
26 01 50 51-0193	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	51.68	
26 01 50 51-0194	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	51.68	
26 01 50 51-0195	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	51.68	
26 01 50 51-0196	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	53.45	
26 01 50 51-0197	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	53.45	
26 01 50 51-0198	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	53.45	
26 01 50 51-0199	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	53.45	
26 01 50 51-0200	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	60.53	
26 01 50 51-0201	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	60.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0202	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	60.53	
26 01 50 51-0203	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	60.53	
26 01 50 51-0204	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	69.37	
26 01 50 51-0205	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	69.37	
26 01 50 51-0206	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	69.37	
26 01 50 51-0207	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	69.37	
26 01 50 51-0208	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	88.82	
26 01 50 51-0209	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	88.82	
26 01 50 51-0210	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	88.82	
26 01 50 51-0211	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	88.82	
26 01 50 51-0212	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	105.63	
26 01 50 51-0213	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	105.63	
26 01 50 51-0214	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	105.63	
26 01 50 51-0215	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	105.63	
26 01 50 51-0216	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	117.12	
26 01 50 51-0217	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	117.12	
26 01 50 51-0218	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	117.12	
26 01 50 51-0219	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	117.12	
26 01 50 51-0220	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	158.68	
26 01 50 51-0221	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	158.68	
26 01 50 51-0222	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	158.68	
26 01 50 51-0223	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	158.68	
26 01 50 51-0224	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	163.99	
26 01 50 51-0225	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	163.99	
26 01 50 51-0226	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	163.99	
26 01 50 51-0227	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	163.99	
26 01 50 51-0228	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	194.94	
26 01 50 51-0229	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	194.94	
26 01 50 51-0230	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	194.94	
26 01 50 51-0231	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	194.94	
26 01 50 51-0232	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	232.08	
26 01 50 51-0233	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	232.08	
26 01 50 51-0234	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	232.08	
26 01 50 51-0235	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	232.08	
26 01 50 51-0236	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	74.68	
26 01 50 51-0237	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	80.87	
26 01 50 51-0238	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	80.87	
26 01 50 51-0239	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	74.68	
26 01 50 51-0240	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	94.13	
26 01 50 51-0241	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	86.18	
26 01 50 51-0242	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	103.86	
26 01 50 51-0243	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	102.82	
26 01 50 51-0244	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	105.19	
26 01 50 51-0245	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	105.19	
26 01 50 51-0246	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	63.21	
26 01 50 51-0247	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	63.21	
26 01 50 51-0248	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	71.39	
26 01 50 51-0249	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	71.39	
26 01 50 51-0250	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	76.83	
26 01 50 51-0251	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	76.83	
26 01 50 51-0252	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	85.00	
26 01 50 51-0253	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	85.00	
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	85.42	
26 01 50 51-0255	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	92.68	
26 01 50 51-0256	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	115.58	
26 01 50 51-0257	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	127.43	
26 01 50 51-0258	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	49.34	
26 01 50 51-0259	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	55.71	
26 01 50 51-0260	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	58.89	
26 01 50 51-0261	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	64.82	
26 01 50 51-0262	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	78.19	
26 01 50 51-0263	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	91.80	
26 01 50 51-0264	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	125.81	
26 01 50 51-0265	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	132.61	
26 01 50 51-0266	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	143.50	
26 01 50 51-0267	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	150.30	
26 01 50 51-0268	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	216.96	
26 01 50 51-0269	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	66.05	

26 01 50 51-0270 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0116)*

26 01 50 51-0271	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	207.00	
26 01 50 51-0272	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	207.00	
26 01 50 51-0273	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	207.00	
26 01 50 51-0274	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	60.12	
26 01 50 51-0275	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	60.12	
26 01 50 51-0276	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	60.12	
26 01 50 51-0277	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	76.47	
26 01 50 51-0278	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	76.47	
26 01 50 51-0279	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	76.47	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0280	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	142.80	
26 01 50 51-0281	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	158.68	
26 01 50 51-0282	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	158.68	
26 01 50 51-0283	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	158.68	
26 01 50 51-0284	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	158.68	
26 01 50 51-0285	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	163.99	
26 01 50 51-0286	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	163.99	
26 01 50 51-0287	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	163.99	
26 01 50 51-0288	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	163.99	
26 01 50 51-0289	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	194.94	
26 01 50 51-0290	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	194.94	
26 01 50 51-0291	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	194.94	
26 01 50 51-0292	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	194.94	
26 01 50 51-0293	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	232.08	
26 01 50 51-0294	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	232.08	
26 01 50 51-0295	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	232.08	
26 01 50 51-0296	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	232.08	
26 01 50 51-0297	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	80.87	
26 01 50 51-0298	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	80.87	
26 01 50 51-0299	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	94.13	
26 01 50 51-0300	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	92.91	
26 01 50 51-0301	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	103.86	
26 01 50 51-0302	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	102.82	
26 01 50 51-0303	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	105.19	
26 01 50 51-0304	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	102.11	
26 01 50 51-0305	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	222.36	
26 01 50 51-0306	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	80.84	
26 01 50 51-0307	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	80.84	
26 01 50 51-0308	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	91.84	
26 01 50 51-0309	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	91.84	
26 01 50 51-0310	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	98.46	
26 01 50 51-0311	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	98.46	
26 01 50 51-0312	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	63.10	
26 01 50 51-0313	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	63.10	
26 01 50 51-0314	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	71.39	
26 01 50 51-0315	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	71.39	
26 01 50 51-0316	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	76.83	
26 01 50 51-0317	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	76.83	
26 01 50 51-0318	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	85.00	
26 01 50 51-0319	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	85.00	
26 01 50 51-0320	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	153.87	
26 01 50 51-0321	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	178.10	
26 01 50 51-0322	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	212.59	
26 01 50 51-0323	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	415.67	
26 01 50 51-0324	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	392.48	
26 01 50 51-0325	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	415.67	
26 01 50 51-0326	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	417.48	
26 01 50 51-0327	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	62.70	
26 01 50 51-0328	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	62.70	
26 01 50 51-0329	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	62.70	
26 01 50 51-0330	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	186.01	
26 01 50 51-0331	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	431.45	
26 01 50 51-0332	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	178.00	
26 01 50 51-0333	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	210.00	
26 01 50 51-0334	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	91.64	
26 01 50 51-0335	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	299.52	

26 01 50 51-0336 LED Lamps, 2G11 Base *(26 01 50 51-0116)*

26 01 50 51-0337	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	49.85	

26 01 50 51-0338 LED Lamps, GX23 Or G23 Base *(26 01 50 51-0116)*

26 01 50 51-0339	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	24.02	

26 01 50 51-0340 LED Lamps, G24 Base *(26 01 50 51-0116)*

26 01 50 51-0341	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	31.51	

26 01 50 51-0342 LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0116)*

26 01 50 51-0343	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	43.26	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0344	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	56.72	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0345	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	46.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0346	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	51.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0347	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	56.18	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0348	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	34.71	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0349	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	33.57	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0350	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	30.45	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.99*	
26 01 50 51-0351	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	30.93	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.18*	
26 01 50 51-0352	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	30.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	
26 01 50 51-0353	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	32.02	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.37*	

26 01 50 51-0354 Filament LED Lamps *(26 01 50 51-0116)*

26 01 50 51-0355	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	19.17	
26 01 50 51-0356	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	19.17	
26 01 50 51-0357	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	18.29	
26 01 50 51-0358	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	18.29	
26 01 50 51-0359	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	19.70	
26 01 50 51-0360	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	19.70	
26 01 50 51-0361	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	16.52	
26 01 50 51-0362	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	16.52	
26 01 50 51-0363	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	17.05	
26 01 50 51-0364	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	20.94	
26 01 50 51-0365	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	23.25	

26 01 50 51-0366 Other Lamps *(26 01 50 51-0116)*

26 01 50 51-0367	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	18.15	
26 01 50 51-0368	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	18.15	
26 01 50 51-0369	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	18.15	
26 01 50 51-0370	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	19.03	
26 01 50 51-0371	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	19.03	
26 01 50 51-0372	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	19.03	

26 01 50 51-0373 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0116)*

26 01 50 51-0374	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	55.84	
26 01 50 51-0375	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	30.93	

26 01 50 51-0376 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0385 for recycling hazardous lamps.

26 01 50 51-0377	EA	Removal Of 2' Length Linear Fluorescent Lamps	3.97	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.31*	
26 01 50 51-0378	EA	Removal Of 3' Length Linear Fluorescent Lamps	4.53	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.49*	
26 01 50 51-0379	EA	Removal Of 4' Length Linear Fluorescent Lamps	5.09	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.68*	
26 01 50 51-0380	EA	Removal Of 6' Length Linear Fluorescent Lamps	5.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.87*	
26 01 50 51-0381	EA	Removal Of 8' Length Linear Fluorescent Lamps	6.23	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.06*	
26 01 50 51-0382	EA	Removal Of Compact Fluorescent Lamps	3.40	
		For >25 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-0.68*	
26 01 50 51-0383	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	5.39	
		For >25 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.08*	
26 01 50 51-0384	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	9.64	
		For >25 To 40, Deduct	*-0.96*	
		For >40, Deduct	*-1.93*	

26 01 50 51-0385 Recycle Hazardous Lamps *(26 01 50 51)*

Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.

26 01 50 51-0386	EA	Recycle 2' Length Linear Fluorescent Lamps	1.83	
26 01 50 51-0387	EA	Recycle 3' Length Linear Fluorescent Lamps	2.35	
26 01 50 51-0388	EA	Recycle 4' Length Linear Fluorescent Lamps	2.86	
26 01 50 51-0389	EA	Recycle 6' Length Linear Fluorescent Lamps	4.05	
26 01 50 51-0390	EA	Recycle 8' Length Linear Fluorescent Lamps	5.07	
26 01 50 51-0391	EA	Recycle Compact Fluorescent Lamps	4.67	
26 01 50 51-0392	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.67	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0393	EA	Recycle High Intensity Discharge (HID) Lamps	7.38	

26 01 50 52 Ballasts Replacement *(26 01 50)*

26 01 50 52-0001 Lighting Ballasts *(26 01 50 52)*

Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 52-0002 Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0003 Retrofit For Existing Ballasts, In Place *(26 01 50 52-0002)*

Note: CEE listed ballasts. Excludes ballast removal or recycling fees. See CSI section 26 01 50 52-0035 for ballast removal.

26 01 50 52-0004 Instant Start Fluorescent Ballasts *(26 01 50 52-0003)*

26 01 50 52-0005	EA	1 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 132)	53.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
		For High Power, Add	*3.24*
		For Programmed Start, Add	*5.22*
26 01 50 52-0006	EA	2 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 232)	53.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
		For High Power, Add	*3.24*
		For Programmed Start, Add	*5.22*
26 01 50 52-0007	EA	3 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 332)	59.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
		For High Power, Add	*2.83*
		For Programmed Start, Add	*5.55*
26 01 50 52-0008	EA	4 Lamp, Normal Or Low Power Factor, Instant Start Fluorescent Ballast (General Electric UltraMax™ 432)	63.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
		For High Power, Add	*3.19*
		For Programmed Start, Add	*6.08*

26 01 50 52-0009 Program/Rapid Start Fluorescent Ballasts *(26 01 50 52-0003)*

26 01 50 52-0010	EA	1 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 132-MVPS-N)	79.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0011	EA	2 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 232-MVPS-N)	79.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0012	EA	3 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 332-MVPS-N)	83.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0013	EA	4 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 432-MVPS-N)	87.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0014	EA	2 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 228MVPS)	99.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0015	EA	2 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 254MVPS)	117.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0016	EA	4 Lamp, Normal Power Factor, Program/Rapid Start Fluorescent Ballast (General Electric UltraStart® 454MVPS90)	129.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*

26 01 50 52-0017 Slimline, Instant Start Fluorescent Ballasts *(26 01 50 52-0003)*

26 01 50 52-0018	EA	2 Lamp, Standard Performance, Normal Power Factor, Slimline, Instant Start Fluorescent Ballast (General Electric GE-259-MV-N)	73.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0019	EA	2 Lamp, Premium Performance, Normal Power Factor, Slimline, Instant Start Fluorescent Ballast (General Electric GE-259-MAX-N/ULTRA)	76.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*

26 01 50 52-0020 Step Dimming, Instant Start Fluorescent Ballasts *(26 01 50 52-0003)*

26 01 50 52-0021	EA	1 Or 2 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 232MAX90-S60)	75.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0022	EA	3 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 332MAX90-S60)	78.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0023	EA	4 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 432MAX90-S60)	93.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*
26 01 50 52-0024	EA	6 Lamp, High Power Factor, Step Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 632MAX-H90-S60)	135.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*

26 01 50 52-0025 Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballasts *(26 01 50 52-0003)*

26 01 50 52-0026	EA	1 Or 2 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 232MAX90-V60)	75.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0027	EA	3 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 332MAX90-V60)	81.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0028	EA	4 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 432MAX90-V60)	93.68	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0029	EA	6 Lamp, High Power Factor, Load Shed 0-10 V Dimming, Instant Start Fluorescent Ballast (General Electric UltraMax™ 632MAX90-V60)	143.41	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0030		**Dimming To 5%, Rapid Start Fluorescent Ballasts** *(26 01 50 52-0003)*		
26 01 50 52-0031	EA	1 Lamp, Normal Power Factor, Dimming To 5%, Rapid Start Fluorescent Ballast (General Electric B132R120V5)	155.44	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0032	EA	2 Lamp, Normal Power Factor, Dimming To 5%, Rapid Start Fluorescent Ballast (General Electric B232SR120V5)	149.90	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0033	EA	3 Lamp, Normal Power Factor, Dimming To 5%, Rapid Start Fluorescent Ballast (General Electric B332SR120V5)	160.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0034	EA	4 Lamp, Normal Power Factor, Dimming To 5%, Rapid Start Fluorescent Ballast (Sylvania QTP 4X32T8/UNV DIM-TC)	178.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.47*	
26 01 50 52-0035		**Fluorescent Ballast Removal From Fixture** *(26 01 50 52-0002)*		
		Note: Place removed ballast in leak-proof container and transfer to on-site storage area.		
26 01 50 52-0036	EA	Fluorescent Ballast Removal	22.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0037	EA	Inspect Ballast To Determine If It Is T8 or T12	11.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 01 50 52-0038		**T5 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0039		**T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0038)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		**14 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	122.36	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0042	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	128.01	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0043		**21 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0044	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	122.36	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0045	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	128.01	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0046		**28 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0047	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	122.36	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0048	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	128.01	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*7.00*	
26 01 50 52-0049		**35 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0050	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	122.36	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0051	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	128.01	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0052		**54 Watt, T5 Fluorescent Electronic Ballasts** *(26 01 50 52-0039)*		
26 01 50 52-0053	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	122.22	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0054	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	127.87	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0055	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	175.40	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0056	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	181.07	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0057		**High-Output, T5HO Fluorescent Electronic Ballasts** *(26 01 50 52-0038)*		
		Note: Includes 120/277 Volt and normal ballast factor.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0058		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0057)*		
26 01 50 52-0059	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	102.48	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0060	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	108.13	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0061		24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0057)*		
26 01 50 52-0062	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	134.26	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0063	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	139.91	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0064		39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0057)*		
26 01 50 52-0065	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	134.26	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0066	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	139.91	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0067		54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0057)*		
26 01 50 52-0068	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	102.48	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0069	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	108.13	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0070		Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0038)*		
26 01 50 52-0071		Step Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0070)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0072		28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast *(26 01 50 52-0071)*		
26 01 50 52-0073	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	126.18	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0074		Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0070)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0075		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0074)*		
26 01 50 52-0076	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	435.34	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0077	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	428.98	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0078		T8 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0079		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0078)* Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0080		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0079)*		
26 01 50 52-0081	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	53.11	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0082	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	94.08	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0083	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.76	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0084	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	99.73	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0085	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	71.63	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0086	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	111.70	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0087	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	81.97	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0088	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.27	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0089		25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0090	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	53.11	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0091	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	94.08	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0092	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.76	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0093	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	99.73	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0094	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	71.63	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0095	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	111.70	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0096	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	81.97	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0097	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.27	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0098		**28 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0079)*		
26 01 50 52-0099	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	53.11	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0100	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	94.08	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0101	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.76	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0102	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	99.73	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0103	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	71.63	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0104	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	111.70	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0105	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	81.97	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0106	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.27	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0107		**32 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0079)*		
26 01 50 52-0108	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	53.11	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0109	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	94.08	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0110	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	58.76	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*17.03*	
26 01 50 52-0111	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	99.73	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0112	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	71.63	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*16.58*	
26 01 50 52-0113	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	111.70	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*9.52*	
26 01 50 52-0114	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	81.97	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*41.98*	
26 01 50 52-0115	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.27	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*24.50*	
26 01 50 52-0116		**40 Watt, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0079)*		
26 01 50 52-0117	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	85.40	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*7.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0118	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	94.08	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0119	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	91.05	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*7.28*	
26 01 50 52-0120	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	99.73	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*11.20*	
26 01 50 52-0121	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	113.80	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
		For High Ballast Factor, Add	*4.48*	
26 01 50 52-0122	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	111.70	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0123	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	119.47	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
		For High Ballast Factor, Add	*4.48*	
26 01 50 52-0124	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	122.27	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0125		96 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0079)*		
26 01 50 52-0126	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	102.48	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
		For High Ballast Factor, Add	*15.60*	
26 01 50 52-0127	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	108.13	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
		For High Ballast Factor, Add	*15.60*	
26 01 50 52-0128		High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0078)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0129		48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0128)*		
26 01 50 52-0130	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	124.46	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0131	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	162.43	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0132	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	130.11	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0133	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	168.08	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0134		60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0128)*		
26 01 50 52-0135	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	124.46	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0136	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	162.43	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0137	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	130.11	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0138	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	168.08	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0139		72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0128)*		
26 01 50 52-0140	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	124.46	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0141	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	162.43	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0142	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	130.11	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0143	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	168.08	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0144		96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0128)*		
26 01 50 52-0145	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	124.46	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0146	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	162.43	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0147	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	130.11	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0148	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	168.08	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0149		Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0078)*		
26 01 50 52-0150		Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0149)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0151		17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0150)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0152	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0153	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0154	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	86.97	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0155	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0156	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	160.51	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0157	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.18	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0158		**25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0150)*		
26 01 50 52-0159	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0160	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0161	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	86.97	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0162	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0163	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	160.51	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0164	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.18	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0165		**28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0150)*		
26 01 50 52-0166	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0167	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0168	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	86.97	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0169	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0170	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	160.51	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0171	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.18	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0172		**32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0150)*		
26 01 50 52-0173	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0174	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0175	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	86.97	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0176	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0177	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	160.51	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0178	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.18	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0179		**40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0150)*		
26 01 50 52-0180	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0181	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0182	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	86.97	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0183	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0184	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	160.51	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0185	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	166.18	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0186		**Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0149)* Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0187		**17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0186)*		
26 01 50 52-0188	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0189	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0190	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	84.47	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0191	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0192	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	152.55	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0193	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.22	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0194		**25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0186)*		
26 01 50 52-0195	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0196	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0197	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	84.47	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0198	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0199	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	152.55	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0200	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.22	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0201		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0186)*		
26 01 50 52-0202	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0203	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0204	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	84.47	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0205	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0206	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	152.55	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0207	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.22	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0208		**32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0186)*		
26 01 50 52-0209	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0210	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0211	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	84.47	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0212	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0213	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	152.55	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0214	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.22	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0215		**40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0186)*		
26 01 50 52-0216	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	70.03	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0217	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	75.68	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0218	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	84.47	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0219	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	105.12	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0220	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	152.55	45.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0221	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	158.22	50.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.30*	
26 01 50 52-0222		**Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0149)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0223		**17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0222)*		
26 01 50 52-0224	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	153.58	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0225	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	159.23	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0226	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	190.24	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0227	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	195.91	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0228		**25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0222)*		
26 01 50 52-0229	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	153.58	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0230	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	159.23	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0231	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	190.24	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0232	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	195.91	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0233		**28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0222)*		
26 01 50 52-0234	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	153.58	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0235	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	159.23	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0236	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	190.24	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0237	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	195.91	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0238		**32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0222)*		
26 01 50 52-0239	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	153.58	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0240	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	159.23	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0241	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	190.24	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0242	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	195.91	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0243		**T10 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0244		**T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0243)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0245		**40 Watt, T10 Fluorescent Electronic Ballasts** *(26 01 50 52-0244)*		
26 01 50 52-0246	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	75.59	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0247	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	81.24	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0248	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	99.66	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0249		**T12 Fluorescent Ballasts** *(26 01 50 52-0002)*		
26 01 50 52-0250		**T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0249)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0251		**25 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0250)*		
26 01 50 52-0252	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	53.11	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0253	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	75.59	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0254	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	58.76	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0255	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.24	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0256	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	71.63	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0257	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	81.97	39.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0258		**30 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0250)*		
26 01 50 52-0259	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	75.59	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0260	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.24	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0261	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.66	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0262		**34 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0250)*		
26 01 50 52-0263	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	75.59	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0264	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.24	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0265	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.66	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0266		**40 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0250)*		
26 01 50 52-0267	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	75.59	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0268	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.24	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0269	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	99.66	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0270		**96 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0250)*		
26 01 50 52-0271	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	95.06	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0272	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	108.13	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0273		**High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0249)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0274		**48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0273)*		
26 01 50 52-0275	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	124.88	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0276	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	130.53	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0277		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0273)*		
26 01 50 52-0278	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	124.88	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0279	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	130.53	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0280		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0273)*		
26 01 50 52-0281	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	124.88	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0282	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	130.53	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0283		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0273)*		
26 01 50 52-0284	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	124.88	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0285	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	130.53	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0286		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0287	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	194.91	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0288	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	323.78	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0289	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	403.61	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0290	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	297.09	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0291	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,413.07	33.99
		For Factory Installation In New Fixtures, Deduct	*-49.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.96*	
26 01 50 52-0292	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	409.74	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0293	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	689.97	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0294	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	377.32	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0295	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	516.74	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0296	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	399.55	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0297	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	451.69	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0298	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	489.24	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0299	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	410.92	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0300	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	417.53	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0301	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	363.23	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0302	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	377.32	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0303	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	369.08	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0304	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	679.05	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0305	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	850.34	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0306	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,595.43	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0307	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,106.78	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0308	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	560.45	28.32
		For Factory Installation In New Fixtures, Deduct	*-47.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.28*	
26 01 50 52-0309	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	728.24	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0310	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,095.73	28.32
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	

26 01 50 52-0311 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0312	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	143.09	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0313	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	215.62	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0314	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	259.12	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0315	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	290.17	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0316	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	298.02	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0317	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	388.92	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0318	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	461.85	22.67
		For Factory Installation In New Fixtures, Deduct	*-45.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 01 50 52-0319		**Compact Fluorescent Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0320		**Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0319)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0321		**18 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0320)*		
26 01 50 52-0322	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	115.64	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0323	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	121.29	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0324		**26 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0320)*		
26 01 50 52-0325	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	115.64	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0326	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	121.29	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0327		**32 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0320)*		
26 01 50 52-0328	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	143.78	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0329	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	149.43	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0330		**40 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0320)*		
26 01 50 52-0331	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	112.28	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0332	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	143.78	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0333	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	212.47	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0334	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	149.43	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0335	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	251.08	33.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.20*	
26 01 50 52-0336		**42 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0320)*		
26 01 50 52-0337	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	143.78	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0338	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	149.43	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0339		**55 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0320)*		
26 01 50 52-0340	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	143.78	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0341	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	149.43	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0342		**Dimming, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0319)*		
26 01 50 52-0343		**Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0342)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0344		**18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0343)*		
26 01 50 52-0345	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	215.75	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0346	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	221.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0347		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0343)*		
26 01 50 52-0348	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	215.75	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0349	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	221.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0350		32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0343)*		
26 01 50 52-0351	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	215.75	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0352	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	236.94	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0353		40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0343)*		
26 01 50 52-0354	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	236.94	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0355		42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0343)*		
26 01 50 52-0356	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	215.75	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0357	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	236.94	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0358		55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0343)*		
26 01 50 52-0359	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	345.96	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0360	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	388.15	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0361		High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0362		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0361)*		
26 01 50 52-0363		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0362)*		
26 01 50 52-0364		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0363)*		
26 01 50 52-0365	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	255.56	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0366	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	262.54	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0367	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	262.54	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0368	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	242.66	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0369	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	242.66	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0370	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	375.87	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0371	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	375.87	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0372	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	493.20	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0373	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	553.05	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0374		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0363)*		
26 01 50 52-0375	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	227.97	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0376	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	243.58	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0377	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	236.84	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0378	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	283.76	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0379	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	277.05	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0380	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	320.59	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0381	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	320.59	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	393.01	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	393.01	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	647.11	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	

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26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	647.11	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0386		**Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0363)*		
26 01 50 52-0387	EA	Single Mounting Bracket For Core And Coil Type	17.65	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 01 50 52-0388	EA	Double Mounting Bracket For Core And Coil Type	29.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.10*	
26 01 50 52-0389		**F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0362)*		
26 01 50 52-0390		**Metal Halide, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0389)*		
26 01 50 52-0391	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	332.45	28.32
		For Pulse Start Ballast, Add	*29.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0392	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	351.82	28.32
		For Pulse Start Ballast, Add	*31.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0393	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	317.79	28.32
		For Pulse Start Ballast, Add	*27.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0394	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	373.71	28.32
		For Pulse Start Ballast, Add	*33.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0395	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	530.43	28.32
		For Pulse Start Ballast, Add	*49.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0396		**High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0389)*		
26 01 50 52-0397	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	405.84	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0398	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	436.03	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0399		**Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0362)*		
26 01 50 52-0400		**Metal Halide, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0399)*		
26 01 50 52-0401	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	695.25	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0402		**High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0399)*		
26 01 50 52-0403	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,087.24	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,215.93	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	1,171.41	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 01 50 52-0406		**Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0362)*		
26 01 50 52-0407		**Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0406)*		
26 01 50 52-0408	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	862.89	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0409	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	983.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,308.39	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0411	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,301.39	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0412	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,833.57	30.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 01 50 52-0413	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,833.57	30.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 01 50 52-0414	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,253.58	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0415	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,480.08	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0416		**High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0406)*		
26 01 50 52-0417	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,635.82	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0418	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,556.00	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0419	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	2,008.58	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0420	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	2,008.58	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0421		**Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0362)*		
26 01 50 52-0422		**Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0421)*		
26 01 50 52-0423	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	973.32	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0424	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,053.75	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0425	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,045.83	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0426	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,099.71	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0427	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,763.31	30.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 01 50 52-0428	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	2,174.78	30.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	
26 01 50 52-0429	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,645.18	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0430	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,495.15	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0431		**High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0421)*		
26 01 50 52-0432	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,265.17	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0433	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,366.62	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0434	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	2,055.41	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0435	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,764.39	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0436		**Electronic High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0361)*		
26 01 50 52-0437		**Electronic Low Frequency High Intensity Discharge (HID) Ballasts** *(26 01 50 52-0436)*		
26 01 50 52-0438	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	371.02	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0439	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	371.02	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0440	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	421.88	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0441	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,134.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0442	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,134.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0443	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,134.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0444	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,134.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0445	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	1,134.40	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0446		**Owner Supplied Ballasts** *(26 01 50 52-0001)*		
26 01 50 52-0447	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	22.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 01 50 52-0448	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	28.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 01 50 52-0449	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	32.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 01 50 52-0450	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	35.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.54*	
26 01 50 52-0451	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	39.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.90*	
26 01 50 52-0452	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	41.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.58*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 53-0001		**Lens and Accessory Replacement** *(26 01 50 53)*		
26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	84.28	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	181.62	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	209.03	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	86.18	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	29.32	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	30.40	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	35.08	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	12.99	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	13.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	14.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	16.78	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	18.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	14.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	54.93	
26 01 50 81		**Luminaire Replacement** *(26 01 50)*		
26 01 50 81-0001		Retrofit Lighting Fixtures *(26 01 50 81)*		
26 01 50 81-0002		LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*		
26 01 50 81-0003		LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*		
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	105.86	
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	105.86	
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	105.86	
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	86.49	
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	86.49	
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	86.49	
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	94.65	
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	94.65	
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	94.65	
26 01 50 81-0013		LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*		
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	313.38	
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	325.62	
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	337.86	
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	352.35	
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	388.04	
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	402.54	
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	436.19	
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	448.43	
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	462.92	
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	485.35	
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	509.03	
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	532.48	
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	544.72	
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	565.11	
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	588.90	
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	614.39	
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	653.14	
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	670.47	
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	700.26	
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	740.03	
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	760.43	
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	808.68	
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	853.55	
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	884.36	
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	928.21	
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	1,013.06	
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	1,023.26	
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	1,049.08	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0042		LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	131.96	
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	131.96	
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	131.96	
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	137.06	
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	137.06	
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	137.06	
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	147.25	
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	147.25	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	147.25	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	137.06	
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	137.06	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	137.06	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	147.25	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	147.25	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	147.25	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	167.65	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	167.65	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	167.65	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	131.96	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	131.96	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	131.96	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	131.96	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	131.96	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	131.96	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	137.06	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	137.06	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	137.06	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	143.17	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	143.17	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	143.17	
26 01 50 81-0073		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	301.34	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	301.34	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	271.76	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	271.76	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	134.47	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	134.47	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	153.84	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	153.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	168.12	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	168.12	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	173.21	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	173.21	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	104.89	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	104.89	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	117.13	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	117.13	
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	107.95	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	107.95	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	120.19	
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	120.19	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	106.93	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	106.93	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	116.11	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	116.11	
26 01 50 81-0098		LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)* See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	25.75	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	141.13	12.89
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	146.28	15.46
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	182.33	12.89
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	187.48	15.46
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	92.71	10.31
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	29.10	10.31
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	31.51	10.31
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	85.50	15.46
26 01 50 81-0108		Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)* Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.		
26 01 50 81-0109		Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)* Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	105.97	
		For Specular Ballast Cover, Add	*13.28*	
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	113.63	
		For Specular Ballast Cover, Add	*14.82*	
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	157.41	
		For Specular Ballast Cover, Add	*23.57*	
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	182.01	
		For Specular Ballast Cover, Add	*28.49*	
26 01 50 81-0114		Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)* Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	112.41	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	120.84	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	166.42	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	212.73	
		For Specular Reflector, Add	*17.05*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0119		Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*		
		Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	140.45	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	148.10	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	150.03	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	168.42	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	204.71	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	155.83	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	171.97	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	185.59	
		For Specular Reflector, Add	*17.05*	
26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*		
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*		
		Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.99	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.99	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	179.99	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	196.51	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.99	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.99	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	179.99	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	196.51	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	181.06	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	181.06	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	181.06	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	197.58	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	181.06	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	181.06	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	181.06	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	197.58	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*		
		Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)	253.08	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)	264.31	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*		
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)	364.83	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)	373.80	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)	364.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)	373.80	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)	418.65	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)	432.11	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)	463.51	

26 01 50 81-0157 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)	337.38	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)	349.89	
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	353.64	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	366.15	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	252.92	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	258.86	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	268.37	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	274.31	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	340.88	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	407.44	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	297.34	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	220.86	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	305.76	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	229.20	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	320.91	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	250.36	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	353.39	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	276.70	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	361.26	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	284.65	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	376.22	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	305.70	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	680.28	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	756.77	

26 01 50 81-0184 Retrofit Existing Fluorescent Fixtures *(26 01 50 81-0001)*

26 01 50 81-0185 Retrofit Existing Fluorescent Fixtures (Cree® UR) *(26 01 50 81-0184)*

Note: Fully assembled Cree® UR retrofit. Includes one lightbar retrofit and one driver retrofit. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0186		**LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR)** *(26 01 50 81-0185)*		
26 01 50 81-0187	EA	2' Length, 2 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-24-35K-FD-LB-2)	90.86	
26 01 50 81-0188	EA	2' Length, 3 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-24-35K-FD-LB-3)	127.82	
26 01 50 81-0189	EA	4' Length, 2 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-48-35K-FD-LB-2)	109.30	
26 01 50 81-0190	EA	4' Length, 3 Pack, LED Lightbar Retrofit For Existing Fluorescent Fixtures (Cree® UR-48-35K-FD-LB-3)	155.51	
26 01 50 81-0191		**LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR)** *(26 01 50 81-0185)*		
26 01 50 81-0192	EA	3,600 Lumens, 2' Length, 2 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-24-36L-S-FD-DR)	98.58	
26 01 50 81-0193	EA	3,600 Lumens, 2' Length, 3 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-24-36L-S-FD-DR)	117.05	
26 01 50 81-0194	EA	3,600 Lumens, 2' Length, 2 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-24-36L-10V-FD-DR)	135.53	
26 01 50 81-0195	EA	3,600 Lumens, 2' Length, 3 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-24-36L-10V-FD-DR)	172.49	
26 01 50 81-0196	EA	4,500 Lumens, 4' Length, 2 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-48-45L-S-FD-DR)	107.75	
26 01 50 81-0197	EA	4,500 Lumens, 4' Length, 3 Lightbars, Step Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-48-45L-S-FD-DR)	126.22	
26 01 50 81-0198	EA	4,500 Lumens, 4' Length, 2 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR2-48-45L-10V-FD-DR)	144.71	
26 01 50 81-0199	EA	4,500 Lumens, 4' Length, 3 Lightbars, 0-10V Dimming, LED Driver Retrofit For Existing Fluorescent Fixtures (Cree® UR3-48-45L-10V-FD-DR)	181.66	
26 01 50 81-0200		**Retrofit Existing HID Fixtures** *(26 01 50 81-0001)*		
26 01 50 81-0201	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,543.94	
26 01 50 81-0202		**LED Lighting Retrofits For Existing Fluorescent Fixtures** *(26 01 50 81-0001)*		
		Note: Excludes recycling or disposal of lamps and ballasts.		
26 01 50 81-0203		**LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia)** *(26 01 50 81-0202)*		
26 01 50 81-0204	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	111.57	
		For >25 To 50, Deduct	*-5.58*	
		For >50 To 100, Deduct	*-9.64*	
		For >100, Deduct	*-16.24*	
26 01 50 81-0205	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	163.62	
		For >25 To 50, Deduct	*-8.18*	
		For >50 To 100, Deduct	*-13.54*	
		For >100, Deduct	*-21.45*	
26 01 50 81-0206	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	121.46	
		For >25 To 50, Deduct	*-6.07*	
		For >50 To 100, Deduct	*-10.45*	
		For >100, Deduct	*-17.51*	
26 01 50 81-0207	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	111.30	
		For >25 To 50, Deduct	*-5.57*	
		For >50 To 100, Deduct	*-9.69*	
		For >100, Deduct	*-16.50*	
26 01 50 81-0208	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	146.72	
		For >25 To 50, Deduct	*-7.34*	
		For >50 To 100, Deduct	*-12.42*	
		For >100, Deduct	*-20.32*	
26 01 50 81-0209	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	191.83	
		For >25 To 50, Deduct	*-9.59*	
		For >50 To 100, Deduct	*-15.80*	
		For >100, Deduct	*-24.83*	
26 01 50 81-0210	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	120.40	
		For >25 To 50, Deduct	*-6.02*	
		For >50 To 100, Deduct	*-10.44*	
		For >100, Deduct	*-17.69*	
26 01 50 81-0211	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	120.40	
		For >25 To 50, Deduct	*-6.02*	
		For >50 To 100, Deduct	*-10.44*	
		For >100, Deduct	*-17.69*	
26 01 50 81-0212	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	155.74	
		For >25 To 50, Deduct	*-7.79*	
		For >50 To 100, Deduct	*-13.09*	
		For >100, Deduct	*-21.22*	
26 01 50 81-0213	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.68	
		For >25 To 50, Deduct	*-6.58*	
		For >50 To 100, Deduct	*-11.29*	
		For >100, Deduct	*-18.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0214	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	131.68	
		For >25 To 50, Deduct	*-6.58*	
		For >50 To 100, Deduct	*-11.29*	
		For >100, Deduct	*-18.82*	

26 01 50 81-0215 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0202)*

26 01 50 81-0216	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	269.68	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-13.48*	
		For >50 To 100, Deduct	*-21.64*	
		For >100, Deduct	*-32.62*	
26 01 50 81-0217	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	291.02	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.55*	
		For >50 To 100, Deduct	*-23.24*	
		For >100, Deduct	*-34.75*	
26 01 50 81-0218	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	306.97	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.35*	
		For >50 To 100, Deduct	*-24.44*	
		For >100, Deduct	*-36.35*	
26 01 50 81-0219	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	331.89	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-16.59*	
		For >50 To 100, Deduct	*-26.30*	
		For >100, Deduct	*-38.84*	
26 01 50 81-0220	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	355.46	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-17.77*	
		For >50 To 100, Deduct	*-28.35*	
		For >100, Deduct	*-42.33*	
26 01 50 81-0221	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	384.40	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-19.22*	
		For >50 To 100, Deduct	*-30.53*	
		For >100, Deduct	*-45.22*	

26 01 50 81-0222 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0202)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0223	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40) Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	105.15	
		For >25 To 50, Deduct	*-5.26*	
		For >50 To 100, Deduct	*-9.16*	
		For >100, Deduct	*-15.60*	
26 01 50 81-0224	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50) Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	105.15	
		For >25 To 50, Deduct	*-5.26*	
		For >50 To 100, Deduct	*-9.16*	
		For >100, Deduct	*-15.60*	
26 01 50 81-0225	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	139.88	
		For >25 To 50, Deduct	*-6.99*	
		For >50 To 100, Deduct	*-11.90*	
		For >100, Deduct	*-19.64*	
26 01 50 81-0226	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50) Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	139.88	
		For >25 To 50, Deduct	*-6.99*	
		For >50 To 100, Deduct	*-11.90*	
		For >100, Deduct	*-19.64*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0227	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	140.00	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.00*	
		For >50 To 100, Deduct	*-11.91*	
		For >100, Deduct	*-19.65*	
26 01 50 81-0228	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	153.38	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-12.92*	
		For >100, Deduct	*-20.99*	
26 01 50 81-0229	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	140.00	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.00*	
		For >50 To 100, Deduct	*-11.91*	
		For >100, Deduct	*-19.65*	
26 01 50 81-0230	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	153.38	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-12.92*	
		For >100, Deduct	*-20.99*	
26 01 50 81-0231	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	140.00	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.00*	
		For >50 To 100, Deduct	*-11.91*	
		For >100, Deduct	*-19.65*	
26 01 50 81-0232	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	153.38	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-12.92*	
		For >100, Deduct	*-20.99*	
26 01 50 81-0233	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	140.00	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.00*	
		For >50 To 100, Deduct	*-11.91*	
		For >100, Deduct	*-19.65*	
26 01 50 81-0234	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	153.38	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.67*	
		For >50 To 100, Deduct	*-12.92*	
		For >100, Deduct	*-20.99*	
26 01 50 81-0235	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	153.26	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.66*	
		For >50 To 100, Deduct	*-12.91*	
		For >100, Deduct	*-20.98*	
26 01 50 81-0236	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	181.88	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.09*	
		For >50 To 100, Deduct	*-15.05*	
		For >100, Deduct	*-23.84*	
26 01 50 81-0237	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	198.59	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.93*	
		For >50 To 100, Deduct	*-16.31*	
		For >100, Deduct	*-25.51*	
26 01 50 81-0238	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	181.88	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.09*	
		For >50 To 100, Deduct	*-15.05*	
		For >100, Deduct	*-23.84*	
26 01 50 81-0239	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	198.59	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.93*	
		For >50 To 100, Deduct	*-16.31*	
		For >100, Deduct	*-25.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0240	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	203.55	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-10.18*	
		For >50 To 100, Deduct	*-15.55*	
		For >100, Deduct	*-21.49*	
26 01 50 81-0241	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	186.63	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-9.33*	
		For >50 To 100, Deduct	*-14.28*	
		For >100, Deduct	*-19.79*	
26 01 50 81-0242	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	181.91	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.10*	
		For >50 To 100, Deduct	*-15.48*	
		For >100, Deduct	*-25.54*	
26 01 50 81-0243	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	190.27	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.51*	
		For >50 To 100, Deduct	*-16.11*	
		For >100, Deduct	*-26.37*	
26 01 50 81-0244	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	272.38	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.62*	
		For >50 To 100, Deduct	*-22.26*	
		For >100, Deduct	*-34.58*	
26 01 50 81-0245	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	305.82	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.29*	
		For >50 To 100, Deduct	*-24.77*	
		For >100, Deduct	*-37.93*	
26 01 50 81-0246	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	272.38	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.62*	
		For >50 To 100, Deduct	*-22.26*	
		For >100, Deduct	*-34.58*	
26 01 50 81-0247	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	305.82	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-15.29*	
		For >50 To 100, Deduct	*-24.77*	
		For >100, Deduct	*-37.93*	
26 01 50 81-0248		**Vapor Tight LED Retrofit Kit (ILP)** *(26 01 50 81-0001)*		
		Note: 120-277 volt universal driver, 0-10 volt dimmable driver, 3000K, 3500K, 4000K or 5000K CCT. Compatible fixtures: Columbia XEM & HEM Series; LSI EG3 Series; HE Williams 96 Series; Simkar ENZ Series; Texas Fluorescents CIT Series; Atlas IFW Series; LDPI 376 Series; Daybrite DW Series; LIGHTOLIER STW.		
26 01 50 81-0249	EA	4' Length, 18 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	221.30	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0250	EA	4' Length, 25 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	223.42	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0251	EA	4' Length, 28 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	240.62	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0252	EA	4' Length, 40 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	242.46	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0253	EA	4' Length, 48 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	250.91	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0254	EA	8' Length, 36 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	327.40	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0255	EA	8' Length, 50 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	346.42	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0256	EA	8' Length, 56 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	348.50	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0257	EA	8' Length, 80 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	350.64	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	
26 01 50 81-0258	EA	8' Length, 96 Watt, Vapor Tight LED Retrofit Kit (ILP VTR Series DLC Premium Listed)	352.72	
		For On/Off Wet Location Sensor, Add	*171.41*	
		For User Select Bi-level Dim With Occupational Sensor, Add	*197.81*	
		For Preset Bi-level Dim Sensor With Photocell, Add	*197.81*	
		For 480 Volt Or 347 Volt Step Down Transformer, Add	*49.57*	
		For Factory Installed 7 Watt LED Battery Backup, Add	*276.92*	
		For Factory Installed 10 Watt LED Battery Backup, Add	*303.31*	
		For Factory Installed 12 Watt LED Battery Backup, Add	*329.71*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,923.62	912.15
26 05 13 16-0005	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,711.53	995.98
26 05 13 16-0006	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,674.00	1,125.31
26 05 13 16-0007	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,422.28	1,386.43
26 05 13 16-0008	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,468.08	1,561.24
26 05 13 16-0009	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,540.81	1,732.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0010	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,867.55	1,947.13
26 05 13 16-0011	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,204.66	2,166.27
26 05 13 16-0012	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	16,509.29	2,586.47
26 05 13 16-0013	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	20,991.38	3,040.33
26 05 13 16-0014	MLF	750 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	32,039.11	3,583.36
26 05 13 16-0015	MLF	1,000 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	43,092.50	4,126.13

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,809.61	
26 05 13 16-0018	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,387.85	
26 05 13 16-0019	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,026.95	
26 05 13 16-0020	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,336.77	
26 05 13 16-0021	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,945.44	
26 05 13 16-0022	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,802.65	
26 05 13 16-0023	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,593.92	
26 05 13 16-0024	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,602.40	
26 05 13 16-0025	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,970.29	
26 05 13 16-0026	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,420.28	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF	#6 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,156.04	568.10
26 05 13 16-0029	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,843.76	609.11
26 05 13 16-0030	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,911.76	770.27
26 05 13 16-0031	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,446.27	935.10
26 05 13 16-0032	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,487.97	1,097.72
26 05 13 16-0033	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,551.23	1,255.36
26 05 13 16-0034	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,878.22	1,456.56
26 05 13 16-0035	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,668.62	1,832.45
26 05 13 16-0036	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,217.03	2,318.63
26 05 13 16-0037	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,147.78	2,913.13

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0002)*

26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,651.94	1,817.80
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,154.92	1,843.93
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,657.91	1,870.06
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	12,171.78	1,911.39
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,789.72	1,984.30
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	21,628.59	2,079.57
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	33,881.43	2,599.46
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	38,785.92	3,465.99

26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0048	MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,219.43	912.15
26 05 13 16-0049	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,111.43	995.98
26 05 13 16-0050	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,188.93	1,125.31

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0051		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,161.49	1,255.80
26 05 13 16-0052		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,134.41	1,386.43
26 05 13 16-0053		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,289.78	1,561.24
26 05 13 16-0054		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,658.32	1,732.93
26 05 13 16-0055		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,127.48	1,947.13
26 05 13 16-0056		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	15,786.70	2,166.27
26 05 13 16-0057		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	18,317.02	2,586.47
26 05 13 16-0058		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	23,401.69	3,040.33
26 05 13 16-0059		MLF	750 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	36,194.22	3,583.36
26 05 13 16-0060		MLF	1,000 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	48,992.39	4,126.13
26 05 13 16-0061			Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*		
			Note: Excludes excavation.		
26 05 13 16-0062		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,105.42	
26 05 13 16-0063		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,787.74	
26 05 13 16-0064		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,541.88	
26 05 13 16-0065		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,295.89	
26 05 13 16-0066		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,048.91	
26 05 13 16-0067		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,767.14	
26 05 13 16-0068		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,920.16	
26 05 13 16-0069		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,853.85	
26 05 13 16-0070		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,184.44	
26 05 13 16-0071		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,778.02	
26 05 13 16-0072		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	18,830.59	
26 05 13 16-0073			Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*		
26 05 13 16-0074		MLF	#6 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,451.85	568.10
26 05 13 16-0075		MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,243.66	609.11
26 05 13 16-0076		MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,426.69	770.27
26 05 13 16-0077		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,291.01	852.08
26 05 13 16-0078		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,158.40	935.10
26 05 13 16-0079		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,309.67	1,097.72
26 05 13 16-0080		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,668.74	1,255.36
26 05 13 16-0081		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,138.15	1,456.56
26 05 13 16-0082		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,250.66	1,832.45
26 05 13 16-0083		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,024.76	2,318.63
26 05 13 16-0084		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	23,558.09	2,913.13
26 05 13 16-0085			15 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0086			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0087			Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0088	MLF	#4 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,803.79	1,817.80
26 05 13 16-0089	MLF	#2 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,670.25	1,817.80
26 05 13 16-0090	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	10,000.75	1,817.80
26 05 13 16-0091	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,077.40	1,817.80
26 05 13 16-0092	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	12,099.30	1,817.80
26 05 13 16-0093	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	14,013.66	1,897.48
26 05 13 16-0094	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	14,415.12	1,897.48
26 05 13 16-0095	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	16,822.17	1,984.30
26 05 13 16-0096	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	19,292.47	2,030.84
26 05 13 16-0097	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	24,003.57	2,287.53

26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)*

Note: Excludes excavation.

26 05 13 16-0099	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,045.34	
26 05 13 16-0100	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,121.98	
26 05 13 16-0101	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,143.88	
26 05 13 16-0102	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,083.39	
26 05 13 16-0103	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,484.84	
26 05 13 16-0104	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,998.90	
26 05 13 16-0105	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,472.85	
26 05 13 16-0106	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	21,924.01	

26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*

26 05 13 16-0108	MLF	#1 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,617.15	811.54
26 05 13 16-0109	MLF	1/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,022.82	935.10
26 05 13 16-0110	MLF	2/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,477.76	1,097.72
26 05 13 16-0111	MLF	3/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,612.97	1,255.36
26 05 13 16-0112	MLF	4/0 AWG, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,550.14	1,456.56
26 05 13 16-0113	MLF	250 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	16,376.73	1,695.64
26 05 13 16-0114	MLF	350 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,476.76	1,975.84
26 05 13 16-0115	MLF	500 MCM, Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	24,396.46	2,295.13

26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*

26 05 13 16-0117 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*

26 05 13 16-0118	MLF	#4 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,570.46	1,817.80
26 05 13 16-0119	MLF	#2 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,592.88	1,817.80
26 05 13 16-0120	MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,982.87	1,817.80
26 05 13 16-0121	MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,253.31	1,817.80
26 05 13 16-0122	MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,459.15	1,817.80
26 05 13 16-0123	MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,682.28	1,897.48
26 05 13 16-0124	MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,156.01	1,897.48

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0125		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	18,957.22	1,984.30
26 05 13 16-0126		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	21,851.24	2,030.84
26 05 13 16-0127		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	27,294.82	2,287.53
26 05 13 16-0128			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)*		
			Note: Excludes excavation.		
26 05 13 16-0129		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,027.46	
26 05 13 16-0130		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,297.90	
26 05 13 16-0131		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,503.74	
26 05 13 16-0132		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,752.01	
26 05 13 16-0133		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,225.72	
26 05 13 16-0134		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	17,127.73	
26 05 13 16-0135		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	20,023.48	
26 05 13 16-0136		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	25,215.27	
26 05 13 16-0137			Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*		
26 05 13 16-0138		MLF	#1 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,599.27	811.54
26 05 13 16-0139		MLF	1/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,198.74	935.10
26 05 13 16-0140		MLF	2/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,837.62	1,097.72
26 05 13 16-0141		MLF	3/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,281.59	1,255.36
26 05 13 16-0142		MLF	4/0 AWG, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,291.02	1,456.56
26 05 13 16-0143		MLF	250 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,511.78	1,695.64
26 05 13 16-0144		MLF	350 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	22,035.53	1,975.84
26 05 13 16-0145		MLF	500 MCM, Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	27,687.72	2,295.13
26 05 13 16-0146			15 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0085)*		
26 05 13 16-0147		MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	13,426.80	1,824.17
26 05 13 16-0148		MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,319.20	1,867.78
26 05 13 16-0149		MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	17,913.75	1,911.39
26 05 13 16-0150		MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	25,217.02	2,038.76
26 05 13 16-0151			Shielded, Armored Copper, 15 KV, 3 Conductor Cable *(26 05 13 16-0085)*		
			Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152			Galvanized Steel Interlocked Armor Cable *(26 05 13 16-0151)*		
26 05 13 16-0153		LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	58.52	13.91
26 05 13 16-0154		LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	71.68	14.82
26 05 13 16-0155			Aluminum Interlocked Armor Cable *(26 05 13 16-0151)*		
26 05 13 16-0156		LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	58.52	13.91
26 05 13 16-0157		LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	71.68	14.82
26 05 13 16-0158			Underground Residential Distribution (URD), 15 KV Primary Concentric UD Cable *(26 05 13 16-0085)*		
			Note: 0.175" cross-linked polyethylene (XLPE) insulation, copper conductor.		
26 05 13 16-0159		MLF	#4 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,346.07	912.15
26 05 13 16-0160		MLF	#2 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,282.62	995.98
26 05 13 16-0161		MLF	#1 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,409.37	1,125.31
26 05 13 16-0162		MLF	1/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	8,430.05	1,382.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0163	MLF	2/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,629.86	1,556.56
26 05 13 16-0164	MLF	3/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	12,136.72	1,732.93
26 05 13 16-0165	MLF	4/0 AWG, Underground Residential Distribution (URD), Cross-Linked Polyethylene (XLPE) Insulation, 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	13,648.69	1,939.85
26 05 13 16-0166		**15 KV, Underground Residential Distribution (URD), Copper Cable, Direct Burial** *(26 05 13 16-0085)*		
26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	24,531.54	
26 05 13 16-0168		**Wire Connections** *(26 05 13 16-0001)*		
26 05 13 16-0169		**Medium Voltage Up To 5 KV** *(26 05 13 16-0168)*		
26 05 13 16-0170		**Shielded One Conductor Cable Splice** *(26 05 13 16-0169)*		
26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	510.29	112.80
26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	800.24	112.80
26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	800.24	112.80
26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	833.81	135.36
26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	833.81	135.36
26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	833.81	135.36
26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	878.57	157.93
26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	878.57	157.93
26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	878.57	157.93
26 05 13 16-0180		**Cable Termination Without Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	884.02	135.36
26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	1,015.22	157.93
26 05 13 16-0183		**Cable Termination With Stress Cone** *(26 05 13 16-0169)*		
26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,029.01	270.72
26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	4,143.47	372.24
26 05 13 16-0186		**Connect To Pothead, Pothead Included** *(26 05 13 16-0169)*		
26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	3,204.14	270.72
26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	4,193.32	310.20
26 05 13 16-0189		**Two Conductor Pothead** *(26 05 13 16-0169)* Note: Includes 5 KV pothead.		
26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,806.99	372.24
26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,522.49	473.77
26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	4,393.07	537.16
26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	7,890.90	626.72
26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	15,155.13	939.96
26 05 13 16-0195		**Three Conductor Pothead** *(26 05 13 16-0169)* Note: Includes 5 KV pothead.		
26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	10,317.29	541.44
26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	11,180.97	631.68
26 05 13 16-0198		**Copper Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)* Note: For bare wire.		
26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	83.40	
26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	93.70	
26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	109.15	
26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	122.15	
26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	138.59	
26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	153.69	
26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	168.21	
26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	185.07	
26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	200.52	
26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	217.03	
26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	234.88	
26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	249.51	
26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	284.38	
26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	322.48	
26 05 13 16-0213		**Aluminum Cable Splice, Crimp Compression Connection** *(26 05 13 16-0169)* Note: For bare wire.		
26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	89.65	
26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	97.15	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	133.55	
26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	167.58	
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	181.04	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	194.34	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	215.40	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	232.61	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	248.35	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	265.50	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	281.65	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	330.43	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	379.92	
26 05 13 16-0227		15 KV *(26 05 13 16-0168)*		
26 05 13 16-0228		Single Conductor Pothead On Racks *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	2,156.62	473.77
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,787.64	586.56
26 05 13 16-0231		Two Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	3,087.01	721.92
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,756.54	857.28
26 05 13 16-0234		Three Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,892.00	936.24
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,836.77	1,173.12
26 05 13 16-0237		Stress Relief Cone On Rack *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,945.03	473.77
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,549.75	586.56
26 05 13 16-0240		Grounded, Shielded Cable Splice *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,264.60	349.68
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,610.93	451.20
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	10,475.47	1,240.80
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	14,157.16	1,353.61
26 05 13 16-0245		Cable Termination *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	940.94	197.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.44*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	1,175.81	253.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*152.28*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,470.81	310.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.12*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	637.57	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 05 13 16-0250		Stress Cones, 5-15 KV, 4 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,511.37	146.64
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,736.87	162.07
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	2,107.30	177.37
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,780.47	204.35
26 05 13 16-0255		Stress Cones, 5-15 KV, 6 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,022.80	293.78
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	3,474.27	324.14
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	4,201.41	348.15
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	5,560.93	408.70
26 05 13 16-0260		35 KV *(26 05 13 16-0168)*		
26 05 13 16-0261		35 KV One Conductor Splice *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	3,185.59	
26 05 13 16-0263		Cable Termination *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	929.98	135.47
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,215.10	204.40
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	1,463.49	218.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	722.76	112.80
26 05 13 16-0268		70 KV *(26 05 13 16-0168)*		
26 05 13 16-0269		Cable Splice *(26 05 13 16-0268)*		
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing	26,802.91	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing	3,399.64	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001 Under Carpet Power System *(26 05 19 13)*

Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield	7.87	0.51
26 05 19 13-0003	LF	Steel, Top Shield	13.67	0.51
26 05 19 13-0004	EA	3-Conductor, Splice	39.61	8.76
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor	10.06	4.12
26 05 19 13-0006	EA	3-Conductor, Tap	49.91	10.31
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End	84.15	8.76
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly	55.39	5.15
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box	166.25	16.48
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box	278.53	25.76
26 05 19 13-0011	EA	Floor Mounted Box With Cover	281.94	20.61
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield	12.79	0.51
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable	12.69	0.51
26 05 19 13-0014	EA	5-Conductor, Splice	40.24	8.76
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly	74.72	5.15
26 05 19 13-0016	EA	Box, Wall, Flush With Cover	116.74	20.61
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box	73.98	17.01
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover	99.79	19.58
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45	43.55	7.73
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire	2.47	0.51
26 05 19 13-0021	EA	BNC, Coax Plug, Connector	31.16	10.31
26 05 19 13-0022	EA	TNC, Coax Plug, Connector	31.16	10.31
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm	166.15	51.52

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001 Cable Installation Methods *(26 05 19 16)*

26 05 19 16-0002 Pull Cord *(26 05 19 16-0001)*

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit	0.36	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.19	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit	0.64	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits	0.42	

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	3.66	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	4.65	
26 05 19 16-0010	EA	Minimum Set-up Charge For Boring	512.15	

Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.

26 05 19 16-0011 Wire and Cable *(26 05 19 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.

26 05 19 16-0012 600 Volt Wire *(26 05 19 16-0011)*

26 05 19 16-0013 Single Solid Conductor, Copper *(26 05 19 16-0012)*

26 05 19 16-0014	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	655.37	250.10
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	828.74	294.21
26 05 19 16-0016	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,039.11	359.75
26 05 19 16-0017	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	858.58	250.10
26 05 19 16-0018	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,046.52	294.21
26 05 19 16-0019	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Copper, Single Solid Cable, Installed In Conduit	1,269.37	359.75

26 05 19 16-0020 Power Cable, Stranded Conductor, Copper *(26 05 19 16-0012)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0021		Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Single Stranded Conductor, Power Cable *(26 05 19 16-0020)*		
26 05 19 16-0022	MLF	#16 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	707.96	206.10
26 05 19 16-0023	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	831.37	247.32
26 05 19 16-0024	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,040.80	288.55
26 05 19 16-0025	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,308.29	329.76
26 05 19 16-0026	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,773.71	412.20
26 05 19 16-0027	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,465.38	494.65
26 05 19 16-0028	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,440.63	618.31
26 05 19 16-0029	MLF	#3 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,105.09	700.74
26 05 19 16-0030	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,912.51	783.19
26 05 19 16-0031	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,207.02	865.63
26 05 19 16-0032	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,501.87	989.29
26 05 19 16-0033	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	9,066.84	1,112.95
26 05 19 16-0034	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,958.99	1,236.61
26 05 19 16-0035	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,267.98	1,360.27
26 05 19 16-0036	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,013.75	1,483.94
26 05 19 16-0037	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	16,785.90	1,607.60
26 05 19 16-0038	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	17,888.56	1,731.25
26 05 19 16-0039	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	20,100.38	1,854.92
26 05 19 16-0040	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	23,463.68	1,978.58
26 05 19 16-0041	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	27,172.35	2,143.46
26 05 19 16-0042	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	42,269.73	2,390.78
26 05 19 16-0043	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	60,255.31	2,802.99
26 05 19 16-0044		Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Multi Stranded Conductor, Power Cable *(26 05 19 16-0020)*		
26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,662.74	494.54
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,081.92	577.19
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,604.24	700.74
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,184.02	762.27
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,500.74	803.69
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,132.60	886.03
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,521.80	923.54
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,081.58	1,009.90
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,662.69	1,071.94
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,514.53	1,360.37
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	12,933.01	2,019.80
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,081.85	577.19
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,710.31	700.74
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,338.79	824.41
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,821.87	741.65
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,716.81	906.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,821.43	1,154.38
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,614.37	1,484.45
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,095.44	1,896.24
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,598.94	845.02
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,702.81	989.29
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,115.84	1,257.22
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,827.83	948.07
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,623.27	1,174.79
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,537.34	1,448.89
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,665.28	1,150.26
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	8,973.75	1,315.65
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	11,683.86	1,641.81
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,411.76	1,401.08
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	12,780.57	1,566.79
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,970.70	2,061.02
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	17,074.44	1,978.27
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	22,352.20	2,472.20
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	20,445.53	2,143.87
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	25,033.82	2,472.20
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	30,812.82	2,884.19
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	40,740.40	3,708.29
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	37,853.03	3,300.42
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	40,182.31	3,708.29
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	50,986.29	4,122.04
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, Cross-linked High Heat-Resistant Water-Resistant (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	66,877.51	4,530.33

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	985.43
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,161.43
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,477.10
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,957.79
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,794.67
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,703.30
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,425.29
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,818.55
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,410.08
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,245.13
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,417.18
26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,050.48
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,208.54
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,315.23
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,519.26
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	23,110.59
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	27,510.78
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	32,588.30
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	52,481.74
26 05 19 16-0106	MLF	#14 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	822.74
26 05 19 16-0107	MLF	#12 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	994.99
26 05 19 16-0108	MLF	#10 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,208.29
26 05 19 16-0109	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,473.77
26 05 19 16-0110	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,933.86

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0111	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,614.22	
26 05 19 16-0112	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,610.10	
26 05 19 16-0113	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,337.26	
26 05 19 16-0114	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,899.41	
26 05 19 16-0115	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,524.13	
26 05 19 16-0116	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,480.60	
26 05 19 16-0117	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,664.85	
26 05 19 16-0118	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,757.80	
26 05 19 16-0119	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,917.95	
26 05 19 16-0120	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,188.56	
26 05 19 16-0121	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,507.25	
26 05 19 16-0122	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,763.39	
26 05 19 16-0123	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	25,680.24	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	688.57	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	866.27	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,093.85	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,575.86	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,205.61	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,991.89	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,351.99	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,246.18	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,108.32	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,980.86	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,405.52	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,114.37	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,975.30	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,920.51	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	16,022.54	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,045.45	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,660.62	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	26,233.48	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	42,620.95	
26 05 19 16-0143	MLF	#2 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,895.92	
26 05 19 16-0144	MLF	1/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,061.95	
26 05 19 16-0145	MLF	2/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,154.16	
26 05 19 16-0146	MLF	3/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,702.24	
26 05 19 16-0147	MLF	4/0 AWG, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,133.95	
26 05 19 16-0148	MLF	250 MCM,Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	15,210.18	
26 05 19 16-0149	MLF	350 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	22,283.28	
26 05 19 16-0150	MLF	400 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	24,257.43	
26 05 19 16-0151	MLF	500 MCM, Type Ethylene-Propylene Rubber (EPR) Insulation, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	27,829.14	

26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0012)*

26 05 19 16-0153 ACTHH, Solid *(26 05 19 16-0152)*

26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,589.09	676.80
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	2,994.10	767.04

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,464.87	812.16
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,643.75	1,128.00
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	3,871.65	1,263.14
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,020.06	1,399.51
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	6,735.91	1,534.65
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,465.79	1,263.14
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,633.34	1,399.51
26 05 19 16-0163	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	6,049.08	1,579.88
26 05 19 16-0164	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	8,057.98	1,714.33
26 05 19 16-0165	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,388.30	1,399.51
26 05 19 16-0166	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,877.02	1,579.88
26 05 19 16-0167	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	7,626.68	1,759.79
26 05 19 16-0168	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	10,122.50	1,895.83

26 05 19 16-0169 ACTHH, Stranded *(26 05 19 16-0152)*

26 05 19 16-0170	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	6,962.57	1,625.34
26 05 19 16-0171	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	8,571.90	1,849.13
26 05 19 16-0172	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	8,284.27	1,804.81
26 05 19 16-0173	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	10,534.13	2,028.82
26 05 19 16-0174	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	13,522.93	2,256.00
26 05 19 16-0175	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	15,618.09	2,479.12
26 05 19 16-0176	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	17,980.66	2,705.05
26 05 19 16-0177	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	10,795.68	2,165.08
26 05 19 16-0178	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	13,213.88	2,389.79
26 05 19 16-0179	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	17,282.58	2,617.19
26 05 19 16-0180	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	18,956.92	2,841.32
26 05 19 16-0181	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	22,682.16	3,065.23

26 05 19 16-0182 HCFC, Solid *(26 05 19 16-0152)*

26 05 19 16-0183	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,161.17	1,128.00
26 05 19 16-0184	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,536.09	1,267.42
26 05 19 16-0185	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	5,085.12	1,392.63
26 05 19 16-0186	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	5,106.29	1,267.42
26 05 19 16-0187	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,458.23	1,392.63
26 05 19 16-0188	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	7,282.86	1,588.79
26 05 19 16-0189	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,376.08	1,392.63
26 05 19 16-0190	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,924.92	1,588.79
26 05 19 16-0191	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	9,720.45	1,762.51

26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor *(26 05 19 16-0152)*

26 05 19 16-0193	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,066.77	1,128.00
26 05 19 16-0194	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,524.56	1,267.42
26 05 19 16-0195	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,748.95	1,392.63
26 05 19 16-0196	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,045.78	1,488.17
26 05 19 16-0197	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,669.97	1,577.63
26 05 19 16-0198	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,781.04	1,267.42
26 05 19 16-0199	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,482.97	1,392.63
26 05 19 16-0200	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	7,396.29	1,588.79
26 05 19 16-0201	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	10,443.10	1,714.33
26 05 19 16-0202	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,582.34	1,849.13
26 05 19 16-0203	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	16,288.79	1,985.96
26 05 19 16-0204	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	24,021.78	2,120.31
26 05 19 16-0205	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,725.68	1,392.63
26 05 19 16-0206	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,575.09	1,588.79
26 05 19 16-0207	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	11,455.71	1,762.51
26 05 19 16-0208	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	16,608.97	1,941.51
26 05 19 16-0209	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	21,004.80	2,077.32
26 05 19 16-0210	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	28,982.93	2,211.78
26 05 19 16-0211	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	38,668.29	2,345.11

26 05 19 16-0212 MC, Solid Or Stranded, Aluminum Armor *(26 05 19 16-0152)*

26 05 19 16-0213	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,011.58	1,128.00
26 05 19 16-0214	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,381.46	1,267.42
26 05 19 16-0215	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,622.37	1,392.63
26 05 19 16-0216	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,011.54	1,267.42
26 05 19 16-0217	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,355.82	1,392.63
26 05 19 16-0218	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,295.74	1,588.79
26 05 19 16-0219	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,821.50	1,392.63
26 05 19 16-0220	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	7,369.31	1,588.79
26 05 19 16-0221	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	11,455.71	1,762.51

26 05 19 16-0222 FPLP Solid TFN Red Armored Cable *(26 05 19 16-0152)*

Note: Color coded red.

26 05 19 16-0223	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,939.56	857.28
26 05 19 16-0224	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,459.96	992.64

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0225		MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,602.84	1,128.00
26 05 19 16-0226		MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,448.49	1,263.36
26 05 19 16-0227		MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,471.81	992.64
26 05 19 16-0228		MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	5,318.53	1,128.00
26 05 19 16-0229		MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	6,789.88	1,263.36
26 05 19 16-0230		MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,751.85	1,398.72
26 05 19 16-0231			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0152)*		
			Note: Color coded red.		
26 05 19 16-0232		MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	4,949.13	1,128.00
26 05 19 16-0233		MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	6,244.94	1,263.36
26 05 19 16-0234		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,513.25	1,398.72
26 05 19 16-0235		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	9,933.98	1,534.08
26 05 19 16-0236		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	6,359.10	1,263.36
26 05 19 16-0237		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	7,887.54	1,398.72
26 05 19 16-0238			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0152)*		
			Note: Color coded red.		
26 05 19 16-0239		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,327.26	857.28
26 05 19 16-0240		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	7,013.89	1,263.36
26 05 19 16-0241		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,366.75	992.64
26 05 19 16-0242		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,371.79	1,128.00
26 05 19 16-0243		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,983.88	1,398.72
26 05 19 16-0244		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	6,278.90	1,173.12
26 05 19 16-0245		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,826.44	1,353.61
26 05 19 16-0246			**Armored Cable Connectors** *(26 05 19 16-0152)*		
26 05 19 16-0247		EA	3/4" Armored Cable Connector	6.99	2.48
			For Work In Restricted Working Space, Add	*1.86*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
			For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
			For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
			For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
			For Elevated Installation >40' Above Floor, Add	*3.40*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.86*	
26 05 19 16-0248		EA	1" Armored Cable Connector	9.32	3.30
			For Work In Restricted Working Space, Add	*2.47*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.82*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.06*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.88*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.30*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.12*	
			For Elevated Installation >40' Above Floor, Add	*4.53*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 19 16-0249		EA	1-1/4" Armored Cable Connector	11.74	4.12
			For Work In Restricted Working Space, Add	*3.09*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
			For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
			For Elevated Installation >40' Above Floor, Add	*5.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 19 16-0250			**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0012)*		
26 05 19 16-0251		MLF	#12 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	918.50	250.21
26 05 19 16-0252		MLF	#10 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,172.35	294.21
26 05 19 16-0253		MLF	#8 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,712.46	400.15
26 05 19 16-0254		MLF	#6 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,431.44	478.98
26 05 19 16-0255		MLF	#4 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,339.90	558.43
26 05 19 16-0256		MLF	#2 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,899.68	719.40
26 05 19 16-0257		MLF	#1 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,938.83	800.39
26 05 19 16-0258		MLF	1/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,917.42	901.80
26 05 19 16-0259		MLF	2/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,930.39	1,000.42
26 05 19 16-0260		MLF	3/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,611.71	1,123.36
26 05 19 16-0261		MLF	4/0 AWG, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,615.40	1,239.29
26 05 19 16-0262		MLF	250 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,803.21	1,362.34
26 05 19 16-0263		MLF	300 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	16,093.05	1,489.08
26 05 19 16-0264		MLF	350 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	18,572.75	1,600.69
26 05 19 16-0265		MLF	400 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,956.67	1,778.55
26 05 19 16-0266		MLF	500 MCM, Type THW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	25,268.30	1,960.03
26 05 19 16-0267		MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	963.81	165.19
			For Ethylene-Propylene Rubber (EPR) Insulation, Add	*51.83*	
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*120.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0268	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,073.56	182.92
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*52.83*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*123.27*	
26 05 19 16-0269	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,338.61	228.67
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*77.13*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*179.97*	
26 05 19 16-0270	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,875.86	363.77
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*126.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*295.87*	
26 05 19 16-0271	MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,657.12	436.52
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*213.08*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*497.18*	
26 05 19 16-0272	MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,694.83	506.80
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*322.36*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*752.17*	
26 05 19 16-0273	MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,221.66	580.07
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*370.47*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*864.43*	
26 05 19 16-0274	MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,448.33	653.34
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*523.55*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,221.63*	
26 05 19 16-0275	MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,880.12	727.65
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*707.41*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,650.62*	
26 05 19 16-0276	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,363.25	820.90
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*883.50*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,061.51*	
26 05 19 16-0277	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	10,186.26	910.35
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,110.58*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,591.36*	
26 05 19 16-0278	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,343.60	1,016.29
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,387.81*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,238.22*	
26 05 19 16-0279	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,966.51	1,129.95
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,584.87*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,698.04*	
26 05 19 16-0280	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,829.13	1,239.29
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*1,667.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,891.76*	
26 05 19 16-0281	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,677.24	1,362.34
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,048.74*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,780.39*	
26 05 19 16-0282	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	19,796.70	1,444.26
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,320.28*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,414.00*	
26 05 19 16-0283	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	22,286.15	1,614.20
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*2,647.33*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,177.10*	
26 05 19 16-0284	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	25,641.43	1,795.25
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,104.25*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*7,243.24*	
26 05 19 16-0285	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	30,237.96	1,867.80
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*3,731.90*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*8,707.76*	
26 05 19 16-0286	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	50,406.21	1,940.24
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*6,664.39*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,550.24*	
26 05 19 16-0287	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	64,034.53	2,073.18
		For Ethylene-Propylene Rubber (EPR) Insulation, Add	*8,646.80*	
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*20,175.88*	
26 05 19 16-0288	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,704.64	370.78
26 05 19 16-0289	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,184.94	412.20
26 05 19 16-0290	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,765.71	495.06
26 05 19 16-0291	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,288.56	576.88
26 05 19 16-0292	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,148.29	617.69
26 05 19 16-0293	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	531.87	206.10
26 05 19 16-0294	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	662.55	226.71
26 05 19 16-0295	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	680.32	165.29
26 05 19 16-0296	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	854.47	197.04
26 05 19 16-0297	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,076.15	247.84
26 05 19 16-0298	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,544.98	326.67
26 05 19 16-0299	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,154.56	394.48
26 05 19 16-0300	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,913.22	466.20
26 05 19 16-0301	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,504.60	527.72
26 05 19 16-0302	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,228.17	590.99
26 05 19 16-0303	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,089.60	666.95
26 05 19 16-0304	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,925.41	730.32
26 05 19 16-0305	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,766.21	807.09
26 05 19 16-0306	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,132.84	853.68
26 05 19 16-0307	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,775.04	960.43
26 05 19 16-0308	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,562.08	1,021.75
26 05 19 16-0309	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	13,429.38	1,157.16
26 05 19 16-0310	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,446.04	1,280.61
26 05 19 16-0311	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,387.36	1,315.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0312	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,845.08	1,391.91
26 05 19 16-0313	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	26,130.43	1,638.00
26 05 19 16-0314	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	40,856.35	1,940.24
26 05 19 16-0315	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	49,063.66	2,342.55
26 05 19 16-0316	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,836.65	495.06
26 05 19 16-0317	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,138.50	576.88
26 05 19 16-0318	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,641.55	660.04
26 05 19 16-0319	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,792.16	741.65
26 05 19 16-0320	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,438.88	824.41
26 05 19 16-0321	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	7,011.69	906.02
26 05 19 16-0322		**600 Volt, Single Stranded Copper, Low Smoke Zero Halogen** *(26 05 19 16-0012)*		
26 05 19 16-0323	MLF	#14 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	744.65	165.29
26 05 19 16-0324	MLF	#12 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	966.64	197.04
26 05 19 16-0325	MLF	#10 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	1,331.91	247.84
26 05 19 16-0326	MLF	#8 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	2,056.46	326.67
26 05 19 16-0327	MLF	#6 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	3,035.85	394.48
26 05 19 16-0328	MLF	#4 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,006.50	466.20
26 05 19 16-0329	MLF	#3 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	4,855.79	527.72
26 05 19 16-0330	MLF	#2 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	5,948.37	590.99
26 05 19 16-0331	MLF	#1 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	6,835.27	666.95
26 05 19 16-0332	MLF	1/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	7,862.84	730.32
26 05 19 16-0333	MLF	2/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	9,102.05	807.09
26 05 19 16-0334	MLF	3/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	11,133.72	853.68
26 05 19 16-0335	MLF	4/0 AWG, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	13,600.32	960.43
26 05 19 16-0336	MLF	250 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	15,545.37	1,021.75
26 05 19 16-0337	MLF	300 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	18,333.16	1,157.16
26 05 19 16-0338	MLF	350 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	21,325.80	1,280.61
26 05 19 16-0339	MLF	400 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	23,428.55	1,315.65
26 05 19 16-0340	MLF	500 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	28,436.77	1,391.91
26 05 19 16-0341	MLF	600 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	34,003.83	1,638.00
26 05 19 16-0342	MLF	750 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	44,497.19	1,940.24
26 05 19 16-0343	MLF	1,000 MCM, Low Smoke Zero Halogen (LSZH), 600 Volt, Single Stranded Copper Cable, Installed In Conduit	58,092.72	2,342.55
26 05 19 16-0344		**600 Volt, Feeder Wire, Single Stranded Aluminum** *(26 05 19 16-0012)*		
26 05 19 16-0345	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,305.71	326.16
26 05 19 16-0346	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,552.51	379.26
26 05 19 16-0347	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,037.39	486.84
26 05 19 16-0348	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,560.45	543.64
26 05 19 16-0349	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,973.01	612.48
26 05 19 16-0350	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,393.83	676.02
26 05 19 16-0351	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,023.87	762.92
26 05 19 16-0352	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,456.18	841.70
26 05 19 16-0353	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,184.54	925.30
26 05 19 16-0354	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,481.58	1,006.26
26 05 19 16-0355	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,749.52	1,087.18
26 05 19 16-0356	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,736.60	1,209.24
26 05 19 16-0357	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,527.15	1,331.26
26 05 19 16-0358	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,464.09	1,550.77
26 05 19 16-0359	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,854.53	1,700.08
26 05 19 16-0360	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,089.53	1,763.10
26 05 19 16-0361	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	16,783.66	2,138.74
26 05 19 16-0362	MLF	#8 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,496.45	365.94
26 05 19 16-0363	MLF	#6 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,682.22	412.20
26 05 19 16-0364	MLF	#4 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,071.05	507.11
26 05 19 16-0365	MLF	#2 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,644.52	621.61
26 05 19 16-0366	MLF	#1 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,426.35	731.77
26 05 19 16-0367	MLF	1/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,978.25	824.72
26 05 19 16-0368	MLF	2/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,554.79	916.02
26 05 19 16-0369	MLF	3/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,311.76	999.39
26 05 19 16-0370	MLF	4/0 AWG, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,785.18	1,063.59
26 05 19 16-0371	MLF	250 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,661.47	1,138.00
26 05 19 16-0372	MLF	300 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,320.57	1,219.61
26 05 19 16-0373	MLF	350 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,652.35	1,317.51
26 05 19 16-0374	MLF	400 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,856.99	1,436.74
26 05 19 16-0375	MLF	500 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,032.52	1,648.82

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26 05 19 16-0376	MLF	600 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	13,093.84	1,735.18
26 05 19 16-0377	MLF	700 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,681.10	1,829.36
26 05 19 16-0378	MLF	750 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	15,071.35	1,944.17
26 05 19 16-0379	MLF	1,000 MCM, Cross-linked High Heat-Resistant Water-Resistant (XHHW), 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	22,013.34	2,724.67
26 05 19 16-0380	MLF	#6 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,429.10	412.20
26 05 19 16-0381	MLF	#4 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,779.87	507.01
26 05 19 16-0382	MLF	#2 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,216.64	622.43
26 05 19 16-0383	MLF	#1 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,764.22	727.65
26 05 19 16-0384	MLF	1/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,122.71	820.90
26 05 19 16-0385	MLF	2/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,528.62	910.35
26 05 19 16-0386	MLF	3/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,070.11	999.39
26 05 19 16-0387	MLF	4/0 AWG, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,435.59	1,063.59
26 05 19 16-0388	MLF	250 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,006.98	1,137.27
26 05 19 16-0389	MLF	300 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,013.82	1,221.15
26 05 19 16-0390	MLF	350 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,373.03	1,319.26
26 05 19 16-0391	MLF	400 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,045.75	1,433.44
26 05 19 16-0392	MLF	500 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,107.93	1,648.82
26 05 19 16-0393	MLF	600 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,223.24	1,730.53
26 05 19 16-0394	MLF	700 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,199.29	1,829.36
26 05 19 16-0395	MLF	750 MCM, Underground Service Entrance (USE), Cross-Linked Polyethylene (XLPE) Insulation, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,608.24	1,938.29

26 05 19 16-0396 Non-Metallic Sheathed Cable *(26 05 19 16-0012)*

26 05 19 16-0397 Indoor Installation *(26 05 19 16-0396)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0398	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,430.53	783.09
		For Installation In Wood Stud Wall (Includes Drilling), Add	*293.65*	
26 05 19 16-0399	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,389.55	948.07
		For Installation In Wood Stud Wall (Includes Drilling), Add	*355.54*	
26 05 19 16-0400	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,331.95	1,049.06
		For Installation In Wood Stud Wall (Includes Drilling), Add	*393.40*	
26 05 19 16-0401	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	4,654.98	890.36
		For Installation In Wood Stud Wall (Includes Drilling), Add	*316.88*	
26 05 19 16-0402	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	7,277.39	989.08
		For Installation In Wood Stud Wall (Includes Drilling), Add	*370.92*	
26 05 19 16-0403	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,192.40	1,104.70
		For Installation In Wood Stud Wall (Includes Drilling), Add	*414.27*	
26 05 19 16-0404	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,981.85	989.60
		For Installation In Wood Stud Wall (Includes Drilling), Add	*371.11*	
26 05 19 16-0405	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,539.83	1,154.38
		For Installation In Wood Stud Wall (Includes Drilling), Add	*432.89*	
26 05 19 16-0406	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	12,711.14	1,319.05
		For Installation In Wood Stud Wall (Includes Drilling), Add	*494.64*	
26 05 19 16-0407	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,132.94	1,185.08
		For Installation In Wood Stud Wall (Includes Drilling), Add	*422.00*	
26 05 19 16-0408	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	16,970.41	1,432.41
		For Installation In Wood Stud Wall (Includes Drilling), Add	*510.10*	
26 05 19 16-0409	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	17,718.59	1,349.96
		For Installation In Wood Stud Wall (Includes Drilling), Add	*479.19*	
26 05 19 16-0410	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	24,069.29	1,628.20
		For Installation In Wood Stud Wall (Includes Drilling), Add	*579.66*	
26 05 19 16-0411	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	60,446.24	1,793.08
		For Installation In Wood Stud Wall (Includes Drilling), Add	*637.63*	
26 05 19 16-0412	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	70,848.61	1,947.67
		For Installation In Wood Stud Wall (Includes Drilling), Add	*695.59*	

26 05 19 16-0413 Direct Burial Cable *(26 05 19 16-0396)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0414	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,405.03	
26 05 19 16-0415	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,165.86	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0416		MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,070.44	
26 05 19 16-0417		MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,036.75	
26 05 19 16-0418		MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,389.44	
26 05 19 16-0419		MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,992.30	
26 05 19 16-0420		MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,511.62	
26 05 19 16-0421		MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,108.75	
26 05 19 16-0422		MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,018.54	
26 05 19 16-0423		MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	9,362.49	
26 05 19 16-0424			**SEU Cable Copper, 3 Conductor** *(26 05 19 16-0396)*		
26 05 19 16-0425		MLF	12-12-12 Cable SEU Copper	3,200.38	992.98
26 05 19 16-0426		MLF	10-10-10 Cable SEU Copper	4,103.51	1,128.00
26 05 19 16-0427		MLF	8-8-8 Cable SEU Copper	5,209.48	1,263.14
26 05 19 16-0428		MLF	6-6-8 Cable SEU Copper	6,418.01	1,354.17
26 05 19 16-0429		MLF	6-6-6 Cable SEU Copper	6,946.34	1,399.51
26 05 19 16-0430		MLF	4-4-6 Cable SEU Copper	8,595.02	1,534.65
26 05 19 16-0431		MLF	4-4-4 Cable SEU Copper	9,316.16	1,579.88
26 05 19 16-0432		MLF	3-3-5 Cable SEU Copper	10,940.53	1,714.33
26 05 19 16-0433		MLF	3-3-3 Cable SEU Copper	11,632.74	1,804.81
26 05 19 16-0434		MLF	2-2-4 Cable SEU Copper	12,451.02	1,895.83
26 05 19 16-0435		MLF	2-2-2 Cable SEU Copper	13,342.60	1,985.96
26 05 19 16-0436		MLF	1-1-1 Cable SEU Copper	16,463.52	2,256.00
26 05 19 16-0437		MLF	1/0-1/0-1/0 Cable SEU Copper	19,710.16	2,529.21
26 05 19 16-0438		MLF	2/0-2/0-2/0 Cable SEU Copper	23,883.62	2,848.55
26 05 19 16-0439		MLF	3/0-3/0-3/0 Cable SEU Copper	28,930.19	3,168.56
26 05 19 16-0440		MLF	4/0-4/0-4/0 Cable SEU Copper	32,334.83	3,536.06
26 05 19 16-0441			**SEU Cable Aluminum, 3 Conductor** *(26 05 19 16-0396)*		
26 05 19 16-0442		MLF	8-8-8 Cable SEU Aluminum	4,193.25	1,267.42
26 05 19 16-0443		MLF	6-6-6 Cable SEU Aluminum	4,798.93	1,392.63
26 05 19 16-0444		MLF	4-4-6 Cable SEU Aluminum	5,403.67	1,524.38
26 05 19 16-0445		MLF	4-4-4 Cable SEU Aluminum	5,660.93	1,588.79
26 05 19 16-0446		MLF	2-2-4 Cable SEU Aluminum	6,780.68	1,880.04
26 05 19 16-0447		MLF	2-2-2 Cable SEU Aluminum	7,203.93	1,978.96
26 05 19 16-0448		MLF	1-1-1 Cable SEU Aluminum	8,697.98	2,256.00
26 05 19 16-0449		MLF	1/0-1/0-2 Cable SEU Aluminum	9,212.19	2,374.78
26 05 19 16-0450		MLF	1/0-1/0-1/0 Cable SEU Aluminum	11,336.91	2,506.64
26 05 19 16-0451		MLF	2/0-2/0-1 Cable SEU Aluminum	10,399.46	2,685.77
26 05 19 16-0452		MLF	2/0-2/0-2/0 Cable SEU Aluminum	10,992.34	2,820.00
26 05 19 16-0453		MLF	3/0-3/0-1/0 Cable SEU Aluminum	12,018.61	2,952.88
26 05 19 16-0454		MLF	3/0-3/0-3/0 Cable SEU Aluminum	12,867.47	3,133.36
26 05 19 16-0455		MLF	4/0-4/0-2/0 Cable SEU Aluminum	13,555.69	3,387.39
26 05 19 16-0456		MLF	4/0-4/0-4/0 Cable SEU Aluminum	14,336.11	3,525.00
26 05 19 16-0457			**SER Cable Copper, 4 Conductor** *(26 05 19 16-0396)*		
26 05 19 16-0458		MLF	6-6-6-6 Cable SER Copper	11,018.75	1,625.34
26 05 19 16-0459		MLF	4-4-4-6 Cable SER Copper	12,097.42	1,759.79
26 05 19 16-0460		MLF	3-3-3-5 Cable SER Copper	15,118.81	1,985.96
26 05 19 16-0461		MLF	2-2-2-4 Cable SER Copper	17,379.17	2,165.08
26 05 19 16-0462		MLF	1-1-1-3 Cable SER Copper	20,285.01	2,479.12
26 05 19 16-0463		MLF	1/0-1/0-1/0-2 Cable SER Copper	24,822.54	2,841.32
26 05 19 16-0464		MLF	2/0-2/0-2/0-1 Cable SER Copper	31,423.36	3,065.23
26 05 19 16-0465		MLF	3/0-3/0-3/0-1/0 Cable SER Copper	36,368.69	3,428.56
26 05 19 16-0466			**SER Cable Aluminum, 4 Conductor** *(26 05 19 16-0396)*		
26 05 19 16-0467		MLF	8-8-8-8 Cable SER Aluminum	5,127.35	1,517.05
26 05 19 16-0468		MLF	6-6-6-6 Cable SER Aluminum	5,593.01	1,625.34
26 05 19 16-0469		MLF	4-4-4-6 Cable SER Aluminum	6,267.06	1,759.79
26 05 19 16-0470		MLF	2-2-2-4 Cable SER Aluminum	7,900.06	2,165.08
26 05 19 16-0471		MLF	1-1-1-3 Cable SER Aluminum	9,524.80	2,479.12
26 05 19 16-0472		MLF	1/0-1/0-1/0-2 Cable SER Aluminum	10,756.04	2,841.32
26 05 19 16-0473		MLF	2/0-2/0-2/0-1 Cable SER Aluminum	12,046.92	3,065.23
26 05 19 16-0474		MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	13,721.79	3,428.56
26 05 19 16-0475		MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	15,590.24	3,820.42
26 05 19 16-0476			**Control Tray Cable, Low Voltage** *(26 05 19 16-0011)*		
			Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0477		MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	1,232.90	499.90
			For Work In Restricted Working Space, Add	*249.95*	
26 05 19 16-0478		MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,445.94	559.20
			For Work In Restricted Working Space, Add	*279.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0479	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,550.63	559.16
		For Work In Restricted Working Space, Add	*279.60*	
26 05 19 16-0480	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,939.84	701.34
		For Work In Restricted Working Space, Add	*350.67*	
26 05 19 16-0481	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	2,480.88	854.65
		For Work In Restricted Working Space, Add	*427.33*	
26 05 19 16-0482	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,879.80	939.82
		For Work In Restricted Working Space, Add	*469.91*	
26 05 19 16-0483	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	3,492.97	1,067.87
		For Work In Restricted Working Space, Add	*533.94*	
26 05 19 16-0484	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	4,478.67	1,305.24
		For Work In Restricted Working Space, Add	*652.62*	
26 05 19 16-0485	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	5,209.51	1,423.96
		For Work In Restricted Working Space, Add	*711.98*	
26 05 19 16-0486	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	6,463.89	1,468.48
		For Work In Restricted Working Space, Add	*734.24*	
26 05 19 16-0487	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	7,882.94	1,834.52
		For Work In Restricted Working Space, Add	*917.26*	
26 05 19 16-0488	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	9,531.31	2,143.98
		For Work In Restricted Working Space, Add	*1,071.99*	
26 05 19 16-0489	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,376.63	526.59
		For Work In Restricted Working Space, Add	*263.09*	
26 05 19 16-0490	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,623.49	588.63
		For Work In Restricted Working Space, Add	*294.32*	
26 05 19 16-0491	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,902.74	677.66
		For Work In Restricted Working Space, Add	*338.83*	
26 05 19 16-0492	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	2,194.09	738.25
		For Work In Restricted Working Space, Add	*369.13*	
26 05 19 16-0493	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,819.96	899.64
		For Work In Restricted Working Space, Add	*449.82*	
26 05 19 16-0494	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	3,290.61	989.29
		For Work In Restricted Working Space, Add	*494.65*	
26 05 19 16-0495	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	4,014.93	1,124.08
		For Work In Restricted Working Space, Add	*562.04*	
26 05 19 16-0496	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	5,168.87	1,373.88
		For Work In Restricted Working Space, Add	*686.94*	
26 05 19 16-0497	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	6,043.27	1,498.77
		For Work In Restricted Working Space, Add	*749.39*	
26 05 19 16-0498	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	7,596.81	1,545.77
		For Work In Restricted Working Space, Add	*772.88*	
26 05 19 16-0499	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	9,250.06	1,930.97
		For Work In Restricted Working Space, Add	*965.48*	
26 05 19 16-0500	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	11,208.88	2,256.82
		For Work In Restricted Working Space, Add	*1,128.41*	
26 05 19 16-0501	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,522.87	549.67
		For Work In Restricted Working Space, Add	*274.84*	
26 05 19 16-0502	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,875.20	618.31
		For Work In Restricted Working Space, Add	*309.15*	
26 05 19 16-0503	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	2,224.81	706.73
		For Work In Restricted Working Space, Add	*353.36*	
26 05 19 16-0504	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	2,553.44	761.14
		For Work In Restricted Working Space, Add	*380.57*	
26 05 19 16-0505	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	3,518.04	933.03
		For Work In Restricted Working Space, Add	*466.51*	
26 05 19 16-0506	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	4,121.05	1,030.51
		For Work In Restricted Working Space, Add	*515.36*	
26 05 19 16-0507	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	5,224.12	1,150.05
		For Work In Restricted Working Space, Add	*575.03*	
26 05 19 16-0508	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	6,239.60	1,373.67
		For Work In Restricted Working Space, Add	*686.94*	
26 05 19 16-0509	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	11,606.29	1,596.26
		For Work In Restricted Working Space, Add	*797.93*	
26 05 19 16-0510	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	9,630.67	1,866.25
		For Work In Restricted Working Space, Add	*933.33*	
26 05 19 16-0511	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	11,317.23	2,085.55
		For Work In Restricted Working Space, Add	*1,042.78*	
26 05 19 16-0512	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	13,744.06	2,437.36
		For Work In Restricted Working Space, Add	*1,218.68*	
26 05 19 16-0513	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,849.53	588.63
		For Work In Restricted Working Space, Add	*294.32*	
26 05 19 16-0514	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	2,286.73	651.29
		For Work In Restricted Working Space, Add	*325.54*	
26 05 19 16-0515	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,843.18	749.39
		For Work In Restricted Working Space, Add	*374.69*	
26 05 19 16-0516	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	3,292.36	797.62
		For Work In Restricted Working Space, Add	*398.81*	
26 05 19 16-0517	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	4,487.80	950.96
		For Work In Restricted Working Space, Add	*475.48*	
26 05 19 16-0518	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	5,609.13	1,124.08
		For Work In Restricted Working Space, Add	*562.04*	
26 05 19 16-0519	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	6,967.56	1,268.15
		For Work In Restricted Working Space, Add	*634.07*	
26 05 19 16-0520	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	8,373.29	1,454.87
		For Work In Restricted Working Space, Add	*727.44*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0521		MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	10,005.54	1,649.02
			For Work In Restricted Working Space, Add	*824.51*	
26 05 19 16-0522		MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	13,086.61	1,927.26
			For Work In Restricted Working Space, Add	*963.63*	
26 05 19 16-0523		MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	15,124.04	2,252.49
			For Work In Restricted Working Space, Add	*1,126.24*	
26 05 19 16-0524		MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	18,426.49	2,632.74
			For Work In Restricted Working Space, Add	*1,316.37*	
26 05 19 16-0525		MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	2,327.28	618.31
			For Work In Restricted Working Space, Add	*309.15*	
26 05 19 16-0526		MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	3,044.86	678.08
			For Work In Restricted Working Space, Add	*338.83*	
26 05 19 16-0527		MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	3,786.51	772.88
			For Work In Restricted Working Space, Add	*386.44*	
26 05 19 16-0528		MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	4,490.59	838.43
			For Work In Restricted Working Space, Add	*419.21*	
26 05 19 16-0529		MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	6,203.41	1,052.36
			For Work In Restricted Working Space, Add	*526.18*	
26 05 19 16-0530		MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	7,459.53	1,177.87
			For Work In Restricted Working Space, Add	*588.94*	
26 05 19 16-0531		MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	8,690.39	1,373.88
			For Work In Restricted Working Space, Add	*686.94*	
26 05 19 16-0532		MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	10,351.58	1,571.12
			For Work In Restricted Working Space, Add	*785.56*	
26 05 19 16-0533		MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	12,402.19	1,780.72
			For Work In Restricted Working Space, Add	*890.36*	
26 05 19 16-0534		MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	16,305.56	2,081.22
			For Work In Restricted Working Space, Add	*1,040.61*	
26 05 19 16-0535		MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	18,834.89	2,432.42
			For Work In Restricted Working Space, Add	*1,216.21*	
26 05 19 16-0536		MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	22,989.46	2,843.59
			For Work In Restricted Working Space, Add	*1,421.79*	

26 05 19 16-0537 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0538 ACSR Cable *(26 05 19 16-0537)*

26 05 19 16-0539		MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,788.04	526.83
26 05 19 16-0540		MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,919.83	547.03
26 05 19 16-0541		MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,110.71	568.10
26 05 19 16-0542		MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,242.74	588.67
26 05 19 16-0543		MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,573.73	608.62
26 05 19 16-0544		MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,029.48	689.93
26 05 19 16-0545		MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,549.67	769.42
26 05 19 16-0546		MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	4,138.52	850.01
26 05 19 16-0547		MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	4,693.17	1,092.37
26 05 19 16-0548		MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	5,321.59	1,253.05

26 05 19 16-0549 All Aluminum Conductors *(26 05 19 16-0537)*

26 05 19 16-0550		MLF	795.0 ACSR Conductor Aluminum	35,554.53	10,397.86

26 05 19 16-0551 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0552 Bare Stranded Conductor *(26 05 19 16-0551)*

26 05 19 16-0553		MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,409.12	446.37
26 05 19 16-0554		MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,685.57	486.54
26 05 19 16-0555		MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,963.33	527.19
26 05 19 16-0556		MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,479.02	568.10
26 05 19 16-0557		MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,091.47	609.11
26 05 19 16-0558		MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,562.07	730.60
26 05 19 16-0559		MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	5,269.12	811.54
26 05 19 16-0560		MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,046.10	891.03
26 05 19 16-0561		MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,239.45	1,056.82
26 05 19 16-0562		MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,062.33	1,215.07
26 05 19 16-0563		MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,731.11	1,377.07
26 05 19 16-0564		MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,697.30	1,622.96
26 05 19 16-0565		MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,965.74	1,708.42
26 05 19 16-0566		MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	17,762.16	1,789.12
26 05 19 16-0567		MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	19,737.56	1,862.52
26 05 19 16-0568		MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	23,227.24	1,942.01

26 05 19 16-0569 Insulated Stranded Conductor *(26 05 19 16-0551)*

26 05 19 16-0570		MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,557.86	446.37
26 05 19 16-0571		MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,877.48	486.54
26 05 19 16-0572		MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,342.19	527.19
26 05 19 16-0573		MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,550.73	568.10
26 05 19 16-0574		MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,200.88	609.11
26 05 19 16-0575		MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,404.06	730.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0576	MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,253.35	811.54
26 05 19 16-0577	MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	6,266.11	891.03
26 05 19 16-0578	MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,563.84	1,056.82
26 05 19 16-0579	MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	9,120.60	1,215.07
26 05 19 16-0580	MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,804.58	1,377.07
26 05 19 16-0581	MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	13,247.80	1,622.96
26 05 19 16-0582	MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	15,155.56	1,708.42
26 05 19 16-0583	MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	16,700.80	1,789.12
26 05 19 16-0584	MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	18,857.55	1,862.52
26 05 19 16-0585	MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	21,355.48	1,942.01
26 05 19 16-0586		**Bare Solid Conductor** *(26 05 19 16-0551)*		
26 05 19 16-0587	MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,409.12	446.37
26 05 19 16-0588	MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,963.33	527.19
26 05 19 16-0589	MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,479.02	568.10
26 05 19 16-0590	MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	3,046.26	609.11
26 05 19 16-0591		**Multi-Conductor Cords, Cables And Associated Equipment** *(26 05 19 16-0011)*		
26 05 19 16-0592		**Multi-Conductor Cords** *(26 05 19 16-0591)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0593		**Multi-Conductor Type SOOW And SJOOW Cord** *(26 05 19 16-0592)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0594		**300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0593)*		
26 05 19 16-0595		**#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0594)*		
26 05 19 16-0596	LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.02	0.45
26 05 19 16-0597	LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.06	0.45
26 05 19 16-0598	LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.16	0.45
26 05 19 16-0599		**#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0594)*		
26 05 19 16-0600	LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.20	0.45
26 05 19 16-0601	LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.26	0.45
26 05 19 16-0602	LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.34	0.45
26 05 19 16-0603		**#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0594)*		
26 05 19 16-0604	LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.31	0.45
26 05 19 16-0605	LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.41	0.45
26 05 19 16-0606	LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.59	0.45
26 05 19 16-0607		**#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0594)*		
26 05 19 16-0608	LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.47	0.45
26 05 19 16-0609	LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.58	0.45
26 05 19 16-0610	LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.74	0.45
26 05 19 16-0611		**#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0594)*		
26 05 19 16-0612	LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.84	0.56
26 05 19 16-0613	LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.92	0.56
26 05 19 16-0614	LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	2.04	0.56
26 05 19 16-0615		**600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0593)*		
26 05 19 16-0616		**#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0615)*		
26 05 19 16-0617	LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.06	0.45
26 05 19 16-0618	LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.13	0.45
26 05 19 16-0619	LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.22	0.45
26 05 19 16-0620	LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.00	0.61
26 05 19 16-0621	LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.16	0.62
26 05 19 16-0622	LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.29	0.64
26 05 19 16-0623	LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.49	0.66
26 05 19 16-0624	LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.82	0.69
26 05 19 16-0625	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.18	0.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0626	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.09	0.73
26 05 19 16-0627	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.17	0.74
26 05 19 16-0628	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.28	0.76
26 05 19 16-0629	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.72	0.78
26 05 19 16-0630	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.86	0.79
26 05 19 16-0631	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.13	0.84

26 05 19 16-0632 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0615)

26 05 19 16-0633	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.26	0.45
26 05 19 16-0634	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.32	0.45
26 05 19 16-0635	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.43	0.45
26 05 19 16-0636	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.07	0.61
26 05 19 16-0637	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.26	0.62
26 05 19 16-0638	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.45	0.64
26 05 19 16-0639	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.69	0.66
26 05 19 16-0640	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.80	0.68
26 05 19 16-0641	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.07	0.69
26 05 19 16-0642	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.54	0.71
26 05 19 16-0643	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.78	0.73
26 05 19 16-0644	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.23	0.74
26 05 19 16-0645	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.84	0.76
26 05 19 16-0646	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.38	0.78
26 05 19 16-0647	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.43	0.79
26 05 19 16-0648	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.04	0.81
26 05 19 16-0649	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.15	0.84

26 05 19 16-0650 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0615)

26 05 19 16-0651	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.42	0.45
26 05 19 16-0652	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.49	0.45
26 05 19 16-0653	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.66	0.45
26 05 19 16-0654	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.60	0.61
26 05 19 16-0655	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.06	0.62
26 05 19 16-0656	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.23	0.64
26 05 19 16-0657	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.60	0.66
26 05 19 16-0658	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.86	0.68
26 05 19 16-0659	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.27	0.69
26 05 19 16-0660	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.67	0.71
26 05 19 16-0661	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.13	0.73
26 05 19 16-0662	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.10	0.74
26 05 19 16-0663	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.81	0.78
26 05 19 16-0664	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.97	0.79
26 05 19 16-0665	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.39	0.84

26 05 19 16-0666 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0615)

26 05 19 16-0667	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.59	0.45
26 05 19 16-0668	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.72	0.45
26 05 19 16-0669	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.84	0.45
26 05 19 16-0670	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.93	0.61
26 05 19 16-0671	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.36	0.62
26 05 19 16-0672	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.80	0.64
26 05 19 16-0673	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.27	0.66
26 05 19 16-0674	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.61	0.68
26 05 19 16-0675	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.18	0.69
26 05 19 16-0676	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.86	0.71

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0677	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.49	0.73
26 05 19 16-0678	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.12	0.74
26 05 19 16-0679	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.43	0.76
26 05 19 16-0680	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.51	0.78
26 05 19 16-0681	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.62	0.79
26 05 19 16-0682	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.74	0.81
26 05 19 16-0683	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.10	0.83
26 05 19 16-0684	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.50	0.84
26 05 19 16-0685		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0615)*		
26 05 19 16-0686	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.81	0.56
26 05 19 16-0687	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.92	0.56
26 05 19 16-0688	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.03	0.56
26 05 19 16-0689	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.58	0.61
26 05 19 16-0690	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.04	0.62
26 05 19 16-0691	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.70	0.64
26 05 19 16-0692	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.99	0.69
26 05 19 16-0693	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.82	0.71
26 05 19 16-0694	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.62	0.74
26 05 19 16-0695	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.38	0.78
26 05 19 16-0696		#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0615)*		
26 05 19 16-0697	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.44	0.68
26 05 19 16-0698	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.72	0.79
26 05 19 16-0699	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.94	0.79
26 05 19 16-0700		#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0615)*		
26 05 19 16-0701	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.79	0.79
26 05 19 16-0702	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.77	0.90
26 05 19 16-0703	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.92	1.13
26 05 19 16-0704		#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0615)*		
26 05 19 16-0705	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.55	1.13
26 05 19 16-0706	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.26	1.24
26 05 19 16-0707	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.90	1.35
26 05 19 16-0708		#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0615)*		
26 05 19 16-0709	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.69	2.26
26 05 19 16-0710	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	14.85	2.82
26 05 19 16-0711	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	18.19	3.72
26 05 19 16-0712		300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0593)*		
26 05 19 16-0713		#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0712)*		
26 05 19 16-0714	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.35	0.45
26 05 19 16-0715	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.45	0.45
26 05 19 16-0716	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.65	0.45
26 05 19 16-0717		#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0712)*		
26 05 19 16-0718	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.41	0.45
26 05 19 16-0719	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.58	0.45
26 05 19 16-0720	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.66	0.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0721		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0712)*		
26 05 19 16-0722	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.83	0.45
26 05 19 16-0723	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.52	0.45
26 05 19 16-0724	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.16	0.56
26 05 19 16-0725		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0593)*		
26 05 19 16-0726		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0725)*		
26 05 19 16-0727	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.78	0.45
26 05 19 16-0728	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.07	0.45
26 05 19 16-0729	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.37	0.45
26 05 19 16-0730		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0725)*		
26 05 19 16-0731	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.88	0.45
26 05 19 16-0732	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.18	0.45
26 05 19 16-0733	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.64	0.45
26 05 19 16-0734	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.86	0.56
26 05 19 16-0735		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0725)*		
26 05 19 16-0736	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.25	0.45
26 05 19 16-0737	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.63	0.45
26 05 19 16-0738	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.92	0.56
26 05 19 16-0739		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0725)*		
26 05 19 16-0740	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.60	0.45
26 05 19 16-0741	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.94	0.45
26 05 19 16-0742	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.27	0.56
26 05 19 16-0743		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0725)*		
26 05 19 16-0744	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.96	0.56
26 05 19 16-0745	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.26	0.56
26 05 19 16-0746	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.58	0.56
26 05 19 16-0747		Multi-Conductor Type SEOW Cord *(26 05 19 16-0592)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0748		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0747)*		
26 05 19 16-0749		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0748)*		
26 05 19 16-0750	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.42	0.45
26 05 19 16-0751	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.54	0.45
26 05 19 16-0752	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.20	0.56
26 05 19 16-0753		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0748)*		
26 05 19 16-0754	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.77	0.45
26 05 19 16-0755	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.99	0.45
26 05 19 16-0756	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.75	0.56

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26 05 19 16-0757		**#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0748)*		
26 05 19 16-0758	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.13	0.45
26 05 19 16-0759	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.42	0.45
26 05 19 16-0760	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.98	0.56
26 05 19 16-0761		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord** *(26 05 19 16-0748)*		
26 05 19 16-0762	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.64	0.56
26 05 19 16-0763	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.98	0.56
26 05 19 16-0764	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.19	0.56
26 05 19 16-0765		**Multi-Conductor Type W Cord** *(26 05 19 16-0592)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0766		**2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0765)*		
26 05 19 16-0767		**#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0766)*		
26 05 19 16-0768	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.73	0.68
26 05 19 16-0769	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.99	0.79
26 05 19 16-0770	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.67	0.79
26 05 19 16-0771		**#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0766)*		
26 05 19 16-0772	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.02	0.79
26 05 19 16-0773	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.78	0.90
26 05 19 16-0774	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.92	1.13
26 05 19 16-0775		**#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord** *(26 05 19 16-0766)*		
26 05 19 16-0776	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.28	0.79
26 05 19 16-0777	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.24	0.90
26 05 19 16-0778	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.96	1.13
26 05 19 16-0779		**Cord Grips, Cable Reels, Extension Cords, And Accessories** *(26 05 19 16-0591)*		
26 05 19 16-0780		**Cord Grips** *(26 05 19 16-0779)*		
26 05 19 16-0781	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	72.23	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.51*	
26 05 19 16-0782	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	72.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.51*	
26 05 19 16-0783		**Cable Reels** *(26 05 19 16-0779)* Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0784	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	688.25	56.40
26 05 19 16-0785	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,924.65	56.40
26 05 19 16-0786	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,435.91	56.40
26 05 19 16-0787		**Extension Cords For Cable Reel** *(26 05 19 16-0779)*		
26 05 19 16-0788	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	213.43	
26 05 19 16-0789	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	305.82	
26 05 19 16-0790		**Plugs And Connector Bodies** *(26 05 19 16-0779)* Note: Up to 277 volt		
26 05 19 16-0791		**NEMA Twist-Lock Plugs** *(26 05 19 16-0790)*		
26 05 19 16-0792	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	77.42	
26 05 19 16-0793	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	79.04	
26 05 19 16-0794	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	72.23	
26 05 19 16-0795	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	77.22	
26 05 19 16-0796	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	100.60	
26 05 19 16-0797	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	106.93	
26 05 19 16-0798	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	113.13	
26 05 19 16-0799	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	101.54	
26 05 19 16-0800	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	116.77	
26 05 19 16-0801	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	119.73	
26 05 19 16-0802	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	123.51	
26 05 19 16-0803		**NEMA Twist-Lock Connector Bodies** *(26 05 19 16-0790)*		
26 05 19 16-0804	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	82.00	
26 05 19 16-0805	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	87.73	
26 05 19 16-0806	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	75.67	
26 05 19 16-0807	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	101.54	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0808	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	118.25	
26 05 19 16-0809	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	126.34	
26 05 19 16-0810	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	153.55	
26 05 19 16-0811	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	146.68	
26 05 19 16-0812	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	180.77	
26 05 19 16-0813	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	189.80	
26 05 19 16-0814	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	179.97	

26 05 19 16-0815 Watertight Pin And Sleeve Plug *(26 05 19 16-0790)*

26 05 19 16-0816	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	285.75	33.84
26 05 19 16-0817	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	288.91	33.84
26 05 19 16-0818	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	313.47	33.84
26 05 19 16-0819	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	312.84	37.23
26 05 19 16-0820	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	308.07	37.23
26 05 19 16-0821	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	309.49	37.23
26 05 19 16-0822	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	439.33	41.62
26 05 19 16-0823	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	427.47	41.62
26 05 19 16-0824	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	478.43	41.62
26 05 19 16-0825	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	468.40	45.69
26 05 19 16-0826	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	447.80	45.69
26 05 19 16-0827	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	461.97	45.69
26 05 19 16-0828	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	597.76	54.15
26 05 19 16-0829	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	609.06	54.15
26 05 19 16-0830	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	582.27	54.15
26 05 19 16-0831	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	663.60	60.23
26 05 19 16-0832	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	646.01	60.23
26 05 19 16-0833	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	653.62	60.23
26 05 19 16-0834	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	822.60	67.68
26 05 19 16-0835	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	866.24	67.68
26 05 19 16-0836	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	841.63	74.45
26 05 19 16-0837	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	826.72	74.45
26 05 19 16-0838	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	834.77	74.45

26 05 19 16-0839 Watertight Pin And Sleeve Connector *(26 05 19 16-0790)*

26 05 19 16-0840	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	303.94	33.84
26 05 19 16-0841	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	306.13	33.84
26 05 19 16-0842	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	362.68	33.84
26 05 19 16-0843	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	358.67	37.23
26 05 19 16-0844	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	352.93	37.23
26 05 19 16-0845	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	358.12	37.23
26 05 19 16-0846	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	450.20	41.62
26 05 19 16-0847	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	450.08	41.62
26 05 19 16-0848	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	469.59	41.62
26 05 19 16-0849	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	463.11	45.69
26 05 19 16-0850	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	467.12	45.69
26 05 19 16-0851	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	462.88	45.69
26 05 19 16-0852	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	709.23	54.15
26 05 19 16-0853	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	685.34	54.15
26 05 19 16-0854	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	671.11	54.15
26 05 19 16-0855	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	729.95	60.23
26 05 19 16-0856	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	750.71	60.23
26 05 19 16-0857	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	752.23	60.23
26 05 19 16-0858	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	944.88	67.68
26 05 19 16-0859	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	972.27	67.68
26 05 19 16-0860	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	1,050.17	74.45
26 05 19 16-0861	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	1,012.53	74.45
26 05 19 16-0862	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	1,025.37	74.45

26 05 19 16-0863 Accessories *(26 05 19 16-0779)*

26 05 19 16-0864	EA	1/2" Straight Steel Cord Connector	62.98	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0865	EA	1/2" Straight Nylon Cord Connector	37.13	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 19 16-0866	EA	1/2" 90 Degree Steel Cord Connector	71.64	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0867	EA	1/2" 90 Degree Nylon Cord Connector	44.28	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0868	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	70.64	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0869	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	125.07	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 05 19 16-0870	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	43.50	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0871	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	75.33	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0872	EA	3/4" Straight Steel Cord Connector	65.81	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0873	EA	3/4" Straight Nylon Cord Connector	38.55	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 19 16-0874	EA	3/4" 90 Degree Steel Cord Connector	80.53	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0875	EA	3/4" 90 Degree Nylon Cord Connector	48.72	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0876	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	79.27	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 05 19 16-0877	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	94.43	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 05 19 16-0878	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	52.15	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0879	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	63.01	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 05 19 16-0880	EA	1" Straight Steel Cord Connector	84.07	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0881	EA	1" Straight Nylon Cord Connector	47.68	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 19 16-0882	EA	1" 90 Degree Steel Cord Connector	92.59	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0883	EA	1" 90 Degree Nylon Cord Connector	54.75	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 19 16-0884	EA	1" Straight Steel Cord Connector With Strain Relief Mesh	98.44	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 05 19 16-0885	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	107.08	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 05 19 16-0886	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	61.87	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 19 16-0887	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	71.24	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	

26 05 19 16-0888 Luminary Cable *(26 05 19 16)*

26 05 19 16-0889	MLF	16-2 (1TPJ), 12-2 MC Tuff Luminary Cable™	4,141.54	890.36
26 05 19 16-0890	MLF	16-2 (1TPJ), 12-3 MC Tuff Luminary Cable™	4,689.90	989.29
26 05 19 16-0891	MLF	16-2 (1TPJ), 10-2 MC Tuff Luminary Cable™	5,154.45	989.29
26 05 19 16-0892	MLF	16-2 (1TPJ), 12-2 MC Lite Luminary Cable™	4,652.04	890.36
26 05 19 16-0893	MLF	16-2 (1TPJ), 12-3 MC Lite Luminary Cable™	5,165.37	989.29
26 05 19 16-0894	MLF	16-2 (1TPJ), 10-2 MC Lite Luminary Cable™	5,136.01	989.29
26 05 19 16-0895	MLF	16-2 (1TPJ), 12-2 MC Lite Luminary Stranded Cable™	4,355.59	890.36
26 05 19 16-0896	MLF	16-2 (1TPJ), 12-3 MC Lite Luminary Stranded Cable™	5,157.33	989.29

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable	432.79	131.39
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable	490.71	138.40
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable	530.77	146.33
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable	628.98	152.52
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable	658.69	159.73
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable	722.68	166.37
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable	778.58	173.02
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable	843.00	179.93
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable	904.52	185.33
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable	466.71	131.39
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable	551.24	138.40
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable	626.79	146.33
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable	668.62	152.52
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable	738.31	159.73
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable	759.24	166.37
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable	834.37	173.02
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable	976.87	179.93
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,069.64	185.33

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor	678.07	220.78
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor	934.16	220.78
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor	1,191.13	265.96
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor	1,714.40	265.96
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor	2,368.33	321.14
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor	3,843.40	321.14
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor	4,479.21	386.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor	5,264.78	386.38
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor	7,485.41	486.74
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor	9,282.10	486.74
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor	9,778.23	647.32
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor	12,674.54	647.32
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor	12,668.66	747.68
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor	17,260.56	747.68
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor	23,682.94	923.30
26 05 26 00-0019		**Copper Insulated Single Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,403.72	301.08
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,457.10	301.08
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,904.19	301.08
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	2,125.01	521.86
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,944.44	521.86
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	4,251.90	521.86
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	5,188.95	913.26
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	6,380.41	913.26
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	7,555.21	913.26
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	9,092.85	913.26
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	10,805.08	1,194.26
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	13,186.16	1,194.26
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	15,444.76	1,194.26
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	17,885.04	1,856.64
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	23,596.31	1,856.64
26 05 26 00-0035		**Copper Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	678.07	220.78
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	934.16	220.78
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	1,191.13	265.96
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,714.40	265.96
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	2,368.33	321.14
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	3,843.40	321.14
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	5,264.78	386.38
26 05 26 00-0043	MLF	2/0 AWG Copper Bare Single Solid Conductor	6,733.73	486.74
26 05 26 00-0044	MLF	3/0 AWG Copper Bare Single Solid Conductor	8,202.41	486.74
26 05 26 00-0045	MLF	4/0 AWG Copper Bare Single Solid Conductor	9,778.23	511.82
26 05 26 00-0046		**Aluminum Bare Single Stranded Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0047	MLF	8 AWG Aluminum Bare Single Stranded Conductor	830.33	265.96
26 05 26 00-0048	MLF	6 AWG Aluminum Bare Single Stranded Conductor	932.93	265.96
26 05 26 00-0049	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,093.43	321.14
26 05 26 00-0050	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,428.47	321.14
26 05 26 00-0051	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,713.21	386.38
26 05 26 00-0052	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,963.38	386.38
26 05 26 00-0053	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,259.09	486.74
26 05 26 00-0054	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,637.57	486.74
26 05 26 00-0055	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	3,124.17	647.32
26 05 26 00-0056	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,551.07	647.32
26 05 26 00-0057	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,373.94	747.68
26 05 26 00-0058	MLF	350 MCM Aluminum Bare Single Stranded Conductor	5,062.68	747.68
26 05 26 00-0059	MLF	500 MCM Aluminum Bare Single Stranded Conductor	5,923.67	923.30
26 05 26 00-0060		**Aluminum Bare Single Solid Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0061	MLF	8 AWG Aluminum Bare Single Solid Conductor	830.33	265.96
26 05 26 00-0062	MLF	6 AWG Aluminum Bare Single Solid Conductor	932.93	265.96
26 05 26 00-0063	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,093.43	321.14
26 05 26 00-0064	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,428.47	321.14
26 05 26 00-0065	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,672.70	511.82
26 05 26 00-0066	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,963.38	511.82
26 05 26 00-0067	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,158.76	486.74
26 05 26 00-0068	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,435.55	486.74
26 05 26 00-0069	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	3,124.17	647.32
26 05 26 00-0070	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,551.07	647.32
26 05 26 00-0071	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,373.94	747.68
26 05 26 00-0072	MLF	350 MCM Aluminum Bare Single Solid Conductor	5,062.68	747.68
26 05 26 00-0073	MLF	500 MCM Aluminum Bare Single Solid Conductor	5,923.67	923.30
26 05 26 00-0074		**Aluminum Smooth Woven Conductors** *(26 05 26 00-0002)*		
26 05 26 00-0075	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.82	0.78
26 05 26 00-0076	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.11	0.86
26 05 26 00-0077	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.71	0.98
26 05 26 00-0078	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.73	1.00
26 05 26 00-0079	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.92	1.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0080		**Copper Flexible Braid Connector Jumper Strap** *(26 05 26 00-0001)* Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0081	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	159.21	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	286.15	33.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 05 26 00-0083	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	373.62	33.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 05 26 00-0084	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	459.89	33.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	387.75	36.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.38*	
26 05 26 00-0086	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	513.59	36.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.38*	
26 05 26 00-0087	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	622.92	36.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.38*	
26 05 26 00-0088	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	511.31	46.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.92*	
26 05 26 00-0089	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	614.55	56.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 05 26 00-0090		**Bonding Jumper For Metallic Conduit** *(26 05 26 00-0001)*		
26 05 26 00-0091	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	195.96	62.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.25*	
26 05 26 00-0092	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	241.47	62.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.38*	
26 05 26 00-0093	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	369.84	95.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.27*	
26 05 26 00-0094	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	563.86	95.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.67*	
26 05 26 00-0095		**Ground Rods** *(26 05 26)*		
26 05 26 00-0096		**Copper-Clad Ground Rods** *(26 05 26 00-0095)*		
26 05 26 00-0097	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	96.92	84.60
26 05 26 00-0098	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	101.14	84.60
26 05 26 00-0099	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	118.15	84.60
26 05 26 00-0100	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	114.11	84.60
26 05 26 00-0101	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	119.38	84.60
26 05 26 00-0102	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	140.65	84.60
26 05 26 00-0103		**Copper Grounding Shaft** *(26 05 26 00-0095)*		
26 05 26 00-0104	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	326.87	84.60
26 05 26 00-0105	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	406.89	84.60
26 05 26 00-0106	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	632.23	84.60
26 05 26 00-0107		**Ground Access Wells** *(26 05 26 00-0095)*		
26 05 26 00-0108		**Precast Ground Access Wells** *(26 05 26 00-0107)*		
26 05 26 00-0109	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	307.10	
26 05 26 00-0110	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	318.58	
26 05 26 00-0111	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	919.70	
26 05 26 00-0112	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	931.18	
26 05 26 00-0113		**Polyvinyl Chloride (PVC) Ground Access Well** *(26 05 26 00-0107)*		
26 05 26 00-0114	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	599.60	
26 05 26 00-0115	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	729.85	
26 05 26 00-0116	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,602.58	
26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	455.23	
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	550.30	
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,433.94	
26 05 26 00-0120	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	262.65	
26 05 26 00-0121	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	360.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0122	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	428.98	
26 05 26 00-0123	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	214.13	
26 05 26 00-0124	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	332.69	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	497.04	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	684.74	
26 05 26 00-0127	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	476.41	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	512.47	
26 05 26 00-0129	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	915.02	
26 05 26 00-0130	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,155.46	
26 05 26 00-0131	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	509.82	
26 05 26 00-0132	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	694.67	
26 05 26 00-0133	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	686.62	

26 05 26 00-0134 Polymer Concrete Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0135	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	580.54	
26 05 26 00-0136	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	636.75	
26 05 26 00-0137	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	639.63	
26 05 26 00-0138	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	701.46	
26 05 26 00-0139	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	700.96	
26 05 26 00-0140	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	768.97	
26 05 26 00-0141	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	934.79	
26 05 26 00-0142	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	1,027.49	

26 05 26 00-0143 High-Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0144	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	212.25	
26 05 26 00-0145	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	295.65	

26 05 26 00-0146 Clay Tile Ground Access Wells *(26 05 26 00-0107)*

26 05 26 00-0147	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	335.29	
26 05 26 00-0148	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	352.47	
26 05 26 00-0149	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	106.67	

26 05 26 00-0150 Ground Rod Clamps And Fittings *(26 05 26)*

26 05 26 00-0151 Bronze Ground Rod Clamp *(26 05 26 00-0150)*

26 05 26 00-0152	EA	1/2" Bronze Ground Rod Clamp	22.89	12.75
26 05 26 00-0153	EA	5/8" Bronze Ground Rod Clamp	23.95	12.75
26 05 26 00-0154	EA	3/4" Bronze Ground Rod Clamp	25.46	12.75

26 05 26 00-0155 Bronze Pipe Clamps *(26 05 26 00-0150)*

26 05 26 00-0156	EA	1/2" To 1" Diameter, Bronze Pipe Ground Clamps	29.37	21.21
26 05 26 00-0157	EA	1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	36.43	25.38
26 05 26 00-0158	EA	2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	49.22	29.67
26 05 26 00-0159	EA	2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	61.34	38.13
26 05 26 00-0160	EA	4" To 6" Diameter, Bronze Ground Clamps For Pipe	91.88	55.05

26 05 26 00-0161 Grounding Fittings *(26 05 26 00-0150)*

26 05 26 00-0162 Embedded Fittings *(26 05 26 00-0161)*

26 05 26 00-0163	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	154.14	
26 05 26 00-0164	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	163.77	
26 05 26 00-0165	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	180.86	
26 05 26 00-0166	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	149.37	
26 05 26 00-0167	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	178.96	
26 05 26 00-0168	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	209.96	
26 05 26 00-0169	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	236.70	

26 05 26 00-0170 Ground Rod Receptacle *(26 05 26 00-0161)*

26 05 26 00-0171	EA	1/2" Ground Rod Receptacle	332.78	117.31
26 05 26 00-0172	EA	5/8" Ground Rod Receptacle	347.90	120.62
26 05 26 00-0173	EA	3/4" Ground Rod Receptacle	363.35	123.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0174		**Ground Kits For Circuit Breaker Panels** *(26 05 26 00-0161)*		
26 05 26 00-0175	EA	14-8 AWG Copper Ground Kit	74.54	28.20
26 05 26 00-0176	EA	12-8 AWG Aluminum Ground Kit	65.24	28.20
26 05 26 00-0177	EA	14-4 AWG Copper Ground Kit	82.64	28.20
26 05 26 00-0178	EA	12-4 AWG Aluminum Ground Kit	71.43	28.20
26 05 26 00-0179		**Insulated Grounding Bars** *(26 05 26 00-0150)*		
26 05 26 00-0180	EA	1/2" x 4" x 10" Insulated Ground Bar	311.66	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 05 26 00-0181	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	327.30	28.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 05 26 00-0182		**Ground Conductor Bonding** *(26 05 26)*		
26 05 26 00-0183		**Ground Conductor Bonding** *(26 05 26 00-0182)*		
26 05 26 00-0184		**Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0185	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	133.79	
26 05 26 00-0186	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	145.07	
26 05 26 00-0187	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	156.35	
26 05 26 00-0188	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	224.03	
26 05 26 00-0189		**Tee, Wye Or Cross Cadweld** *(26 05 26 00-0183)*		
26 05 26 00-0190	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	150.71	
26 05 26 00-0191	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	173.26	
26 05 26 00-0192	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	212.75	
26 05 26 00-0193	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	257.86	
26 05 26 00-0194		**Grounding Equipment** *(26 05 26)*		
26 05 26 00-0195		**Special Grounding Equipment** *(26 05 26 00-0194)*		
26 05 26 00-0196		**Ground Reels And Ground Bus** *(26 05 26 00-0195)*		
26 05 26 00-0197	EA	Ground Reel With 50' Of Galvanized Steel Cable	727.53	
26 05 26 00-0198		**Copper Bars** *(26 05 26 00-0195)*		
26 05 26 00-0199	LF	1/4" x 2" Copper Bar	42.06	
26 05 26 00-0200		**Phenolic Insulators** *(26 05 26 00-0195)*		
26 05 26 00-0201	EA	2" x 2" x 1" Long Phenolic Insulators	29.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 26 00-0202		**Grounding Studs** *(26 05 26 00-0195)*		
26 05 26 00-0203	EA	Ball Grounding Stud	43.16	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 05 26 00-0204		**Equipment Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0205	EA	Switch Rating 30 Ground Bar Kit	33.45	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 26 00-0206	EA	Switch Rating 60 Ground Bar Kit	42.74	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 05 26 00-0207	EA	Switch Rating 100 Ground Bar Kit	49.80	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 26 00-0208	EA	Switch Rating 200 Ground Bar Kit	86.43	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 05 26 00-0209		**Panelboard Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0210	EA	Panelboard Ground Bar Kit	125.34	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 26 00-0211		**Circuit Breaker Ground Bar Kits** *(26 05 26 00-0195)*		
26 05 26 00-0212	EA	3 Circuit, Ground Bar Kit	27.81	5.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0213	EA	4 Circuit, Ground Bar Kit	27.30	5.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 26 00-0214	EA	7 Circuit, Ground Bar Kit	28.14	5.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 26 00-0215	EA	12 Circuit, Ground Bar Kit	31.91	5.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.75*	
26 05 26 00-0216	EA	20 Circuit, Ground Bar Kit	36.34	6.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 26 00-0217	EA	24 Circuit, Ground Bar Kit	40.10	7.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 26 00-0218	EA	30 Circuit, Ground Bar Kit	44.82	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 26 00-0219	EA	54 Circuit, Ground Bar Kit	51.85	9.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.48*	
26 05 26 00-0220	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	57.02	7.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 26 00-0221	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	63.08	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.12*	
26 05 26 00-0222	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	70.28	9.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.48*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

See CSI section 05 43 00 00-0001 for additional unistrut fittings.

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	19.74	6.19
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	29.17	8.24
		For Galvanizing, Add	*2.16*	
		For Powder Coating, Add	*1.90*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	38.61	9.79
		For Galvanizing, Add	*3.24*	
		For Powder Coating, Add	*2.85*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	48.05	11.33
		For Galvanizing, Add	*4.31*	
		For Powder Coating, Add	*3.81*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	11.00	2.33
		For Galvanizing, Add	*1.08*	
		For Powder Coating, Add	*0.95*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	21.70	6.20
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	33.06	8.24
		For Galvanizing, Add	*2.82*	
		For Powder Coating, Add	*2.49*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	44.45	9.79
		For Galvanizing, Add	*4.23*	
		For Powder Coating, Add	*3.73*	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	55.83	11.33
		For Galvanizing, Add	*5.64*	
		For Powder Coating, Add	*4.97*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.95	2.33
		For Galvanizing, Add	*1.41*	
		For Powder Coating, Add	*1.24*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	23.72	6.20
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	37.10	8.24
		For Galvanizing, Add	*3.51*	
		For Powder Coating, Add	*3.09*	
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	50.52	9.79
		For Galvanizing, Add	*5.26*	
		For Powder Coating, Add	*4.64*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	63.92	11.33
		For Galvanizing, Add	*7.01*	
		For Powder Coating, Add	*6.19*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.97	2.33
		For Galvanizing, Add	*1.75*	
		For Powder Coating, Add	*1.55*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	23.04	6.20
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	35.73	8.24
		For Galvanizing, Add	*3.27*	
		For Powder Coating, Add	*2.89*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	48.46	9.79
		For Galvanizing, Add	*4.91*	
		For Powder Coating, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	61.18	11.33
		For Galvanizing, Add	*6.55*	
		For Powder Coating, Add	*5.78*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	14.29	2.33
		For Galvanizing, Add	*1.64*	
		For Powder Coating, Add	*1.44*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	22.59	6.20
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	34.84	8.24
		For Galvanizing, Add	*3.12*	
		For Powder Coating, Add	*2.75*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	47.13	9.79
		For Galvanizing, Add	*4.68*	
		For Powder Coating, Add	*4.13*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	59.40	11.33
		For Galvanizing, Add	*6.24*	
		For Powder Coating, Add	*5.51*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.84	2.33
		For Galvanizing, Add	*1.56*	
		For Powder Coating, Add	*1.38*	
26 05 29 00-0029		Stainless Steel Unistrut Channel *(26 05 29 00-0002)*		
26 05 29 00-0030		304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*		
26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	33.53	6.20
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	56.71	8.24
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	79.93	9.79
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	103.14	11.33
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.77	2.33
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	37.22	6.20
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	64.10	8.24
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	91.01	9.79
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	117.92	11.33
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	28.46	2.33
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	38.44	6.20
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	66.55	8.24
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	94.68	9.79
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	122.81	11.33
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	29.69	2.33
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	44.81	6.20
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	79.29	8.24
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	113.79	9.79
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	148.29	11.33
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	36.06	2.33
26 05 29 00-0051		316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*		
26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	49.47	6.20
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	88.61	8.24
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	127.77	9.79
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	166.92	11.33
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	40.71	2.33
26 05 29 00-0057		Aluminum Unistrut Channel *(26 05 29 00-0002)*		
26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	18.60	6.19
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	26.88	8.24
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	35.17	9.79
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	43.46	11.33
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	9.86	2.33
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	22.00	6.19
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	33.67	8.24
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	45.37	9.79
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	57.05	11.33
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.26	2.33
26 05 29 00-0068		Metal Framing Channel Fittings *(26 05 29 00-0001)*		
26 05 29 00-0069		Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*		
26 05 29 00-0070		Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	9.02	0.56
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	5.92	1.42
26 05 29 00-0073		Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*		
26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	12.36	1.42

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0075		Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0076		Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.46	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.40	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	10.44	
26 05 29 00-0080		Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*		
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	17.73	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	26.40	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	33.73	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	8.16	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.66	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	12.23	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	12.05	
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.14	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	12.68	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.75	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	15.28	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.97	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	25.80	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	14.68	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	21.31	
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	17.92	
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	5.69	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	6.46	
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	21.16	
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	18.42	
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	41.18	
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.58	1.70
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.61	1.70
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.79	1.70
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.16	2.26
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.05	2.26
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.14	2.26
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.91	2.82
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.70	2.82
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.46	2.82
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.74	2.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0125		**304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel** *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.04	1.70
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.01	1.70
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.97	1.70
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.37	2.26
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.06	2.26
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	15.76	2.26
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	18.91	2.82
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.30	2.82
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	22.32	2.82
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	26.11	2.82
26 05 29 00-0136		**316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel** *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.63	1.70
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.99	1.70
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.38	1.70
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	12.56	2.26
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.26	2.26
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.49	2.26
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.72	2.82
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	21.93	2.82
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	30.58	2.82
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	35.87	2.82
26 05 29 00-0147		**Beam Clamps, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0148		**Steel Beam Clamps, Unistrut Channel Fittings** *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	43.60	10.31
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	25.89	10.31
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	41.81	10.31
26 05 29 00-0152		**304 Stainless Steel Beam Clamps, Unistrut Channel Fittings** *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	49.23	10.31
26 05 29 00-0154		**Square Washers For Unistrut Channel** *(26 05 29 00-0068)*		
26 05 29 00-0155		**Steel Square Washers For Unistrut Channel** *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	5.84	
26 05 29 00-0157		**Stainless Steel Square Washers For Unistrut Channel** *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	5.02	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	6.34	
26 05 29 00-0160		**Strut Braces, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	52.34	
26 05 29 00-0162		**Trolley Hangers, Unistrut Channel Fittings** *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	64.58	
26 05 29 00-0164		**Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0165		**Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.70	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	9.78	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	10.59	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	14.97	
26 05 29 00-0170		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.38	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	16.45	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	22.98	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	37.28	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.73	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.93	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	10.65	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	16.23	
26 05 29 00-0181		Stainless Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)* Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	11.41	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.65	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	15.08	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	36.35	
26 05 29 00-0186		Mounting Assemblies *(26 05 29)*		
26 05 29 00-0187		Galvanized Steel Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0188		Galvanized Steel Back Plate *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	567.34	67.68
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	137.20	22.56
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	347.79	56.40
26 05 29 00-0192		Aluminum Mounting Assemblies *(26 05 29 00-0186)*		
26 05 29 00-0193		Aluminum Back Plate *(26 05 29 00-0192)*		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	546.73	84.60
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,668.54	84.60
26 05 29 00-0196		Supports *(26 05 29)*		
26 05 29 00-0197		One Hole Steel Conduit Straps *(26 05 29 00-0196)*		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	4.28	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.15*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	4.35	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	4.74	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.20*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	5.03	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.23*	
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	5.22	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.24*	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	6.40	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	7.61	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.48*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	8.01	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.52*	
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	9.99	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.72*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	11.57	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.88*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	4.47	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.17*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	4.66	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.19*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	5.00	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.83*	
		For >500, Deduct	*-1.22*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	5.82	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.30*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	6.15	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.91*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	8.24	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.55*	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	12.72	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-1.99*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	16.46	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.69*	
		For >500, Deduct	*-2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	21.93	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.92*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	43.81	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-1.19*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-3.74*	
		For >500, Deduct	*-5.10*	
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	55.57	
		For Work In Restricted Working Space, Add	*1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
		For >50 To 100, Deduct	*-1.48*	
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.62*	
		For >500, Deduct	*-6.28*	

26 05 29 00-0220 Two Hole Steel Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	4.93	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.31*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	5.06	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	5.12	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.32*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	5.22	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	5.28	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	5.45	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.36*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	6.35	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.98*	
		For >500, Deduct	*-1.45*	
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	6.54	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.00*	
		For >500, Deduct	*-1.47*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	7.25	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.57*	
		For >250 To 500, Deduct	*-1.05*	
		For >500, Deduct	*-1.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	7.73	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-1.09*	
		For >500, Deduct	*-1.59*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	8.38	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.22*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.14*	
		For >500, Deduct	*-1.65*	

26 05 29 00-0232 Clamp Back Spacers *(26 05 29 00-0196)*

26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	4.17	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.67*	
		For >500, Deduct	*-0.98*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	4.65	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.03*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	5.09	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.07*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	6.81	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.25*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	8.20	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.38*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	9.65	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.53*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	15.57	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.12*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	22.63	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.83*	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	29.49	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.51*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	61.71	
		For Work In Restricted Working Space, Add	*0.85*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-3.23*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-6.74*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0243		EA	5" Conduit, Clamp Back Spacer	116.11	
			For Work In Restricted Working Space, Add	*0.85*	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*0.81*	
			For >50 To 100, Deduct	*-2.97*	
			For >100 To 250, Deduct	*-5.95*	
			For >250 To 500, Deduct	*-9.06*	
			For >500, Deduct	*-12.18*	

26 05 29 00-0244 Conduit Clips *(26 05 29 00-0196)*

Note: Push in or clip.

26 05 29 00-0245		EA	1/2" Conduit Clip	4.84	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
			For >50 To 100, Deduct	*-0.21*	
			For >100 To 250, Deduct	*-0.42*	
			For >250 To 500, Deduct	*-0.81*	
			For >500, Deduct	*-1.21*	
26 05 29 00-0246		EA	3/4" Conduit Clip	4.84	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
			For >50 To 100, Deduct	*-0.21*	
			For >100 To 250, Deduct	*-0.42*	
			For >250 To 500, Deduct	*-0.81*	
			For >500, Deduct	*-1.21*	
26 05 29 00-0247		EA	1" Conduit Clip	4.74	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
			For >50 To 100, Deduct	*-0.21*	
			For >100 To 250, Deduct	*-0.42*	
			For >250 To 500, Deduct	*-0.81*	
			For >500, Deduct	*-1.20*	
26 05 29 00-0248		EA	1-1/4" Conduit Clip	4.98	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.00*	
			For >50 To 100, Deduct	*-0.21*	
			For >100 To 250, Deduct	*-0.43*	
			For >250 To 500, Deduct	*-0.82*	
			For >500, Deduct	*-1.22*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250		EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	6.00	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*	
			For >50 To 100, Deduct	*-0.26*	
			For >100 To 250, Deduct	*-0.53*	
			For >250 To 500, Deduct	*-1.01*	
			For >500, Deduct	*-1.50*	
26 05 29 00-0251		EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	6.24	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.23*	
			For >50 To 100, Deduct	*-0.27*	
			For >100 To 250, Deduct	*-0.54*	
			For >250 To 500, Deduct	*-1.03*	
			For >500, Deduct	*-1.53*	
26 05 29 00-0252		EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	6.65	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.30*	
			For >50 To 100, Deduct	*-0.29*	
			For >100 To 250, Deduct	*-0.57*	
			For >250 To 500, Deduct	*-1.10*	
			For >500, Deduct	*-1.62*	
26 05 29 00-0253		EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	6.79	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.30*	
			For >50 To 100, Deduct	*-0.29*	
			For >100 To 250, Deduct	*-0.58*	
			For >250 To 500, Deduct	*-1.11*	
			For >500, Deduct	*-1.64*	
26 05 29 00-0254		EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	7.70	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.30*	
			For >50 To 100, Deduct	*-0.31*	
			For >100 To 250, Deduct	*-0.62*	
			For >250 To 500, Deduct	*-1.18*	
			For >500, Deduct	*-1.73*	
26 05 29 00-0255		EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	8.36	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
			For >50 To 100, Deduct	*-0.34*	
			For >100 To 250, Deduct	*-0.67*	
			For >250 To 500, Deduct	*-1.26*	
			For >500, Deduct	*-1.85*	
26 05 29 00-0256		EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	9.17	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.37*	
			For >50 To 100, Deduct	*-0.36*	
			For >100 To 250, Deduct	*-0.71*	
			For >250 To 500, Deduct	*-1.32*	
			For >500, Deduct	*-1.93*	
26 05 29 00-0257		EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	17.34	
			For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
			For >50 To 100, Deduct	*-0.57*	
			For >100 To 250, Deduct	*-1.15*	
			For >250 To 500, Deduct	*-2.01*	
			For >500, Deduct	*-2.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0258		**Conduit Hanger From Flange, Wire Or Rod** *(26 05 29 00-0196)*		
		Note: Bat wing.		
26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.48	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.78*	
		For >50 To 100, Deduct	*-0.15*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.89*	
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	3.54	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.78*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.90*	
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	3.73	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.78*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.92*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	4.18	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.78*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-0.96*	
26 05 29 00-0263		**Beam Flange Clamps** *(26 05 29 00-0196)*		
		Note: For threaded rod, nut not required.		
26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.37	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.10*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	5.25	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.75*	
		For >500, Deduct	*-1.09*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	5.96	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.16*	
26 05 29 00-0267		**T-Bar Support Clips** *(26 05 29 00-0196)*		
26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	8.73	
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-2.00*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	8.19	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.32*	
		For >500, Deduct	*-1.95*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.31	
		For >50 To 100, Deduct	*-0.12*	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.61*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	29.54	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.41*	
26 05 29 00-0272		**Switch And Outlet Box Type Supports** *(26 05 29 00-0196)*		
26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	6.92	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.14*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	5.77	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.76	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.13*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	4.13	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.87*	
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.34	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.89*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	5.63	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.47*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	22.65	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.26*	
		For >500, Deduct	*-3.17*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	31.60	
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.81*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.06*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.58	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.61	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.79	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.15	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.62*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.04	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.13	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.17*	
		For >500, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.90	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.12*	
		For Work In Restricted Working Space, Add	*1.69*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.69	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.20*	
		For Work In Restricted Working Space, Add	*1.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.45	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.27*	
		For Work In Restricted Working Space, Add	*1.69*	
26 05 29 00-0292	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	11.73	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.30*	
		For Work In Restricted Working Space, Add	*1.69*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.16	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0295	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.09	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0296	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.00	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.87*	
		For >500, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0297	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	7.86	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.15*	
		For >500, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0298	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.41	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.27*	
		For >500, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 29 00-0299	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	9.50	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.28*	
		For >500, Deduct	*-1.85*	
		For Work In Restricted Working Space, Add	*1.35*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	26.68	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.99*	
		For >500, Deduct	*-4.25*	
		For Work In Restricted Working Space, Add	*2.37*	
26 05 29 00-0302	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	27.00	
		For >50 To 100, Deduct	*-0.87*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.01*	
		For >500, Deduct	*-4.28*	
		For Work In Restricted Working Space, Add	*2.37*	
26 05 29 00-0303	EA	1", "J" Type Conduit Hanger (Unistrut J1210)	28.43	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.26*	
		For >500, Deduct	*-4.65*	
		For Work In Restricted Working Space, Add	*2.71*	
26 05 29 00-0304	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	28.78	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 500, Deduct	*-3.29*	
		For >500, Deduct	*-4.68*	
		For Work In Restricted Working Space, Add	*2.71*	
26 05 29 00-0305	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	30.14	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.01*	
		For >250 To 500, Deduct	*-3.53*	
		For >500, Deduct	*-5.04*	
		For Work In Restricted Working Space, Add	*3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0306	EA	2", "J" Type Conduit Hanger (Unistrut J1220)	31.48	
		For >50 To 100, Deduct	*-1.04*	
		For >100 To 250, Deduct	*-2.08*	
		For >250 To 500, Deduct	*-3.63*	
		For >500, Deduct	*-5.18*	
		For Work In Restricted Working Space, Add	*3.05*	
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	51.67	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 250, Deduct	*-3.15*	
		For >250 To 500, Deduct	*-5.29*	
		For >500, Deduct	*-7.42*	
		For Work In Restricted Working Space, Add	*3.38*	
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	54.81	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.36*	
		For >250 To 500, Deduct	*-5.66*	
		For >500, Deduct	*-7.96*	
		For Work In Restricted Working Space, Add	*3.72*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	58.95	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.11*	
		For >500, Deduct	*-8.60*	
		For Work In Restricted Working Space, Add	*4.06*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	79.62	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-7.66*	
		For >500, Deduct	*-10.67*	
		For Work In Restricted Working Space, Add	*4.06*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	87.54	
		For >50 To 100, Deduct	*-2.56*	
		For >100 To 250, Deduct	*-5.11*	
		For >250 To 500, Deduct	*-8.40*	
		For >500, Deduct	*-11.69*	
		For Work In Restricted Working Space, Add	*4.40*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	124.45	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-7.07*	
		For >250 To 500, Deduct	*-11.45*	
		For >500, Deduct	*-15.83*	
		For Work In Restricted Working Space, Add	*5.08*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.48	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.63*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.58	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.84*	
		For Work In Restricted Working Space, Add	*1.02*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	3.06	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.76*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	2.94	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	2.94	
		For >50 To 100, Deduct	*-0.13*	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	4.20	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.87*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	4.23	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	4.09	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.59*	
		For >500, Deduct	*-0.86*	
26 05 29 00-0323	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	4.20	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.87*	
26 05 29 00-0324	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	4.23	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.60*	
		For >500, Deduct	*-0.88*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	2.11	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.33*	
		For >500, Deduct	*-0.49*	
26 05 29 00-0327	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.16	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.50*	
26 05 29 00-0328	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.35	
		For >50 To 100, Deduct	*-0.09*	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.52*	
26 05 29 00-0329	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.74	
		For >50 To 100, Deduct	*-0.10*	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.56*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331	C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	29.58	
		For Up To 0.1, Add	*23.54*	
		For >0.1 To 0.25, Add	*11.77*	
		For >0.25 To 0.75, Add	*5.89*	
		For >2.0, Deduct	*-2.35*	
		For UV Black, Add	*0.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 29 00-0332	C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	29.81	
		For Up To 0.1, Add	*23.54*	
		For >0.1 To 0.25, Add	*11.77*	
		For >0.25 To 0.75, Add	*5.89*	
		For >2.0, Deduct	*-2.35*	
		For UV Black, Add	*0.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 29 00-0333	C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	29.98	
		For Up To 0.1, Add	*23.54*	
		For >0.1 To 0.25, Add	*11.77*	
		For >0.25 To 0.75, Add	*5.89*	
		For >2.0, Deduct	*-2.35*	
		For UV Black, Add	*0.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 29 00-0334	C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	30.05	
		For Up To 0.1, Add	*23.54*	
		For >0.1 To 0.25, Add	*11.77*	
		For >0.25 To 0.75, Add	*5.89*	
		For >2.0, Deduct	*-2.35*	
		For UV Black, Add	*0.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 29 00-0335	C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	31.14	
		For Up To 0.1, Add	*24.56*	
		For >0.1 To 0.25, Add	*12.28*	
		For >0.25 To 0.75, Add	*6.14*	
		For >2.0, Deduct	*-2.46*	
		For UV Black, Add	*0.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 29 00-0336	C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	37.37	
		For Up To 0.1, Add	*25.69*	
		For >0.1 To 0.25, Add	*12.85*	
		For >0.25 To 0.75, Add	*6.42*	
		For >2.0, Deduct	*-2.57*	
		For UV Black, Add	*1.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0337	C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	36.07	
		For Up To 0.1, Add	*23.54*	
		For >0.1 To 0.25, Add	*11.77*	
		For >0.25 To 0.75, Add	*5.89*	
		For >2.0, Deduct	*-2.35*	
		For UV Black, Add	*1.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.06*	
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	37.18	
		For Up To 0.1, Add	*24.56*	
		For >0.1 To 0.25, Add	*12.28*	
		For >0.25 To 0.75, Add	*6.14*	
		For >2.0, Deduct	*-2.46*	
		For UV Black, Add	*1.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.37*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	38.38	
		For Up To 0.1, Add	*25.69*	
		For >0.1 To 0.25, Add	*12.85*	
		For >0.25 To 0.75, Add	*6.42*	
		For >2.0, Deduct	*-2.57*	
		For UV Black, Add	*1.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	56.95	
		For Up To 0.1, Add	*27.69*	
		For >0.1 To 0.25, Add	*13.85*	
		For >0.25 To 0.75, Add	*6.92*	
		For >2.0, Deduct	*-2.77*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.31*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	59.60	
		For Up To 0.1, Add	*27.69*	
		For >0.1 To 0.25, Add	*13.85*	
		For >0.25 To 0.75, Add	*6.92*	
		For >2.0, Deduct	*-2.77*	
		For UV Black, Add	*4.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.31*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	40.23	
		For Up To 0.1, Add	*25.69*	
		For >0.1 To 0.25, Add	*12.85*	
		For >0.25 To 0.75, Add	*6.42*	
		For >2.0, Deduct	*-2.57*	
		For UV Black, Add	*2.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	37.89	
		For Up To 0.1, Add	*25.69*	
		For >0.1 To 0.25, Add	*12.85*	
		For >0.25 To 0.75, Add	*6.42*	
		For >2.0, Deduct	*-2.57*	
		For UV Black, Add	*1.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	57.68	
		For Up To 0.1, Add	*27.69*	
		For >0.1 To 0.25, Add	*13.85*	
		For >0.25 To 0.75, Add	*6.92*	
		For >2.0, Deduct	*-2.77*	
		For UV Black, Add	*4.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.31*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	66.30	
		For Up To 0.1, Add	*29.43*	
		For >0.1 To 0.25, Add	*14.72*	
		For >0.25 To 0.75, Add	*7.36*	
		For >2.0, Deduct	*-2.94*	
		For UV Black, Add	*5.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	
26 05 29 00-0346	C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	65.26	
		For Up To 0.1, Add	*25.69*	
		For >0.1 To 0.25, Add	*12.85*	
		For >0.25 To 0.75, Add	*6.42*	
		For >2.0, Deduct	*-2.57*	
		For UV Black, Add	*5.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.71*	
26 05 29 00-0347	C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	71.49	
		For Up To 0.1, Add	*27.69*	
		For >0.1 To 0.25, Add	*13.85*	
		For >0.25 To 0.75, Add	*6.92*	
		For >2.0, Deduct	*-2.77*	
		For UV Black, Add	*6.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.31*	
26 05 29 00-0348	C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	87.05	
		For Up To 0.1, Add	*29.43*	
		For >0.1 To 0.25, Add	*14.72*	
		For >0.25 To 0.75, Add	*7.36*	
		For >2.0, Deduct	*-2.94*	
		For UV Black, Add	*8.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0349	C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	125.79	
		For Up To 0.1, Add	*31.39*	
		For >0.1 To 0.25, Add	*15.70*	
		For >0.25 To 0.75, Add	*7.85*	
		For >2.0, Deduct	*-3.14*	
		For UV Black, Add	*14.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 29 00-0350	C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	121.76	
		For Up To 0.1, Add	*31.39*	
		For >0.1 To 0.25, Add	*15.70*	
		For >0.25 To 0.75, Add	*7.85*	
		For >2.0, Deduct	*-3.14*	
		For UV Black, Add	*13.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.42*	
26 05 29 00-0351	C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	148.97	
		For Up To 0.1, Add	*32.85*	
		For >0.1 To 0.25, Add	*16.43*	
		For >0.25 To 0.75, Add	*8.21*	
		For >2.0, Deduct	*-3.29*	
		For UV Black, Add	*17.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.86*	
26 05 29 00-0352	C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	172.86	
		For Up To 0.1, Add	*34.45*	
		For >0.1 To 0.25, Add	*17.23*	
		For >0.25 To 0.75, Add	*8.61*	
		For >2.0, Deduct	*-3.45*	
		For UV Black, Add	*20.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.34*	
26 05 29 00-0353	C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	238.28	
		For Up To 0.1, Add	*37.17*	
		For >0.1 To 0.25, Add	*18.59*	
		For >0.25 To 0.75, Add	*9.29*	
		For >2.0, Deduct	*-3.72*	
		For UV Black, Add	*30.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.15*	
26 05 29 00-0354	C	3/4" x 3/4" Self Adhesive Tie Mounts	38.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.60*	
26 05 29 00-0355	C	1.1" x 1.1" Tie Mounts With Screw	75.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.19*	
26 05 29 00-0356	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.46	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.17*	
26 05 29 00-0357	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.48	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.14*	
26 05 29 00-0358	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	3.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.14*	
26 05 29 00-0359	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.14*	
26 05 29 00-0360	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	112.51	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	8.88	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.18*	
26 05 29 00-0364	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.12	
		For >50 To 100, Deduct	*-0.86*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-3.01*	
		For >500, Deduct	*-4.29*	
26 05 29 00-0365	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	9.67	
		For >50 To 100, Deduct	*-0.89*	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-3.10*	
		For >500, Deduct	*-4.43*	
26 05 29 00-0366	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.92	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-4.54*	
26 05 29 00-0367	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.14	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.25*	
		For >500, Deduct	*-4.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0368	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	11.72	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.43*	
		For >500, Deduct	*-4.88*	
26 05 29 00-0369	EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	12.23	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.52*	
		For >500, Deduct	*-5.02*	

26 05 29 00-0370 Machine Screws *(26 05 29 00-0361)*

Note: Includes drilling in concrete, concrete block, wood or steel.

26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.61	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.26*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.66	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.27*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.34	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.59*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.52	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.61*	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	4.37	
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.36*	
		For >500, Deduct	*-1.94*	

26 05 29 00-0376 Hex Lag Bolts With Lag Shield Expansion Anchors *(26 05 29 00-0361)*

Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.47	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.20*	
		For >500, Deduct	*-1.70*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.41	
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.19*	
		For >500, Deduct	*-1.70*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	6.40	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.14*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	8.26	
		For >50 To 100, Deduct	*-0.53*	
		For >100 To 250, Deduct	*-1.07*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.57*	

26 05 29 00-0381 Hanger Lag Bolts With Hex Nuts *(26 05 29 00-0361)*

Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.31	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.33*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.37	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.34*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	4.03	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-1.07*	
		For >500, Deduct	*-1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 29 00-0385 Hollow Wall Screw Anchors *(26 05 29 00-0361)*

26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.94	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.79*	
26 05 29 00-0387	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.01	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.56*	
		For >500, Deduct	*-0.80*	
26 05 29 00-0388	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.12	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.81*	
26 05 29 00-0389	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.72	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.68*	
		For >500, Deduct	*-0.97*	
26 05 29 00-0390	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.87	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-0.98*	
26 05 29 00-0391	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.92	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0392	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.95	
		For >50 To 100, Deduct	*-0.20*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-0.99*	
26 05 29 00-0393	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.17	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.01*	
26 05 29 00-0394	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	3.25	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.02*	

26 05 29 00-0395 Lead Screw Anchors *(26 05 29 00-0361)*

Note: Includes screw.

26 05 29 00-0396	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	4.42	
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-1.98*	
26 05 29 00-0397	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	5.29	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.31*	
26 05 29 00-0398	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	7.24	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.98*	

26 05 29 00-0399 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0400	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	8.21	
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.74*	
26 05 29 00-0401	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	8.60	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-2.03*	
		For >500, Deduct	*-2.88*	
26 05 29 00-0402	EA	1" Conduit, Push-In Acoustical T-Bar Clip	9.45	
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-2.17*	
		For >500, Deduct	*-3.08*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0403		Threaded Rod, Accessories And Attachments *(26 05 29)*			
26 05 29 00-0404		Threaded Rod And Rod Accessories *(26 05 29 00-0403)*			
26 05 29 00-0405		Carbon Steel Threaded Rod *(26 05 29 00-0404)*			
		Note: Includes plain finish.			
26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		3.16	0.71
		For Galvanized, Add		*0.70*	
		For Zinc Coated, Add		*0.50*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		4.28	0.75
		For Galvanized, Add		*1.11*	
		For Zinc Coated, Add		*0.79*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		5.86	0.78
		For Galvanized, Add		*1.72*	
		For Zinc Coated, Add		*1.23*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		9.42	0.80
		For Galvanized, Add		*3.12*	
		For Zinc Coated, Add		*2.23*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		10.24	0.83
		For Galvanized, Add		*3.43*	
		For Zinc Coated, Add		*2.45*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		13.93	0.93
		For Galvanized, Add		*4.82*	
		For Zinc Coated, Add		*3.43*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		17.28	1.04
		For Galvanized, Add		*6.08*	
		For Zinc Coated, Add		*4.33*	
26 05 29 00-0413		Threaded Rod Couplings *(26 05 29 00-0404)*			
26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut		9.39	
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut		10.69	
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut		13.55	
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut		16.74	
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut		25.23	
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut		29.95	
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut		59.21	
26 05 29 00-0421		Flat Washers *(26 05 29 00-0404)*			
26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		0.80	0.28
		For Galvanized, Add		*0.04*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		1.05	0.28
		For Galvanized, Add		*0.09*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		1.42	0.28
		For Galvanized, Add		*0.17*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		1.76	0.56
		For Galvanized, Add		*0.25*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		2.00	0.56
		For Galvanized, Add		*0.29*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		2.37	0.56
		For Galvanized, Add		*0.36*	
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer		2.66	0.56
		For Galvanized, Add		*0.41*	
26 05 29 00-0429		Malleable Iron Eye Sockets *(26 05 29 00-0404)*			
		Note: Type 16.			
26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket		15.43	
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket		18.75	
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket		34.58	
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket		50.32	
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket		53.39	
26 05 29 00-0435		Hex Nuts *(26 05 29 00-0404)*			
26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		0.78	0.28
		For Galvanized, Add		*0.04*	
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		1.00	0.28
		For Galvanized, Add		*0.08*	
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		1.42	0.28
		For Galvanized, Add		*0.17*	
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		1.70	0.56
		For Galvanized, Add		*0.23*	
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		2.56	0.56
		For Galvanized, Add		*0.43*	
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		3.28	0.56
		For Galvanized, Add		*0.59*	
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut		5.47	0.56
		For Galvanized, Add		*1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0443		**Forged Steel Turnbuckles** *(26 05 29 00-0404)*		
		Note: Type 13.		
26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	36.42	
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	45.92	
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	63.29	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	79.20	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	208.84	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	132.31	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	277.45	
26 05 29 00-0451		**Attachments** *(26 05 29 00-0403)*		
26 05 29 00-0452		**Welded Beam Attachments** *(26 05 29 00-0451)*		
		Note: Type 22.		
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	65.67	11.28
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	70.24	11.85
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	74.90	12.52
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	98.72	13.31
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	120.56	14.10
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	173.24	16.13
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	252.17	16.92
26 05 29 00-0460		**C-Clamp Style Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	19.40	8.48
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	24.19	9.04
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	28.02	9.68
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	37.97	10.43
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	58.83	11.30
26 05 29 00-0466		**Bottom Mount I-Beam Clamps** *(26 05 29 00-0451)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	65.12	11.30
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	99.85	12.33
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	146.61	13.56
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	176.60	15.06
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	446.56	16.95
26 05 29 00-0472		**Steel U-Bolts** *(26 05 29 00-0451)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	15.93	6.78
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	17.51	7.14
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	18.97	7.53
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	22.15	7.97
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	22.65	8.48
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	24.26	9.04
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	38.19	9.69
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	42.33	10.43
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	52.41	11.30
26 05 29 00-0482		**Stainless Steel Threaded Rod** *(26 05 29 00-0403)*		
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.05	0.56
		For 316 Stainless Steel, Add	*1.18*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.24	0.62
		For 316 Stainless Steel, Add	*2.02*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.07	0.71
		For 316 Stainless Steel, Add	*2.69*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.36	0.73
		For 316 Stainless Steel, Add	*4.01*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.70	0.75
		For 316 Stainless Steel, Add	*4.94*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.74	0.76
		For 316 Stainless Steel, Add	*7.78*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	29.21	0.78
		For 316 Stainless Steel, Add	*11.20*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.36	0.80
		For 316 Stainless Steel, Add	*15.69*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	51.92	0.93
		For 316 Stainless Steel, Add	*20.26*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	110.36	1.13
		For 316 Stainless Steel, Add	*43.74*	
26 05 29 00-0493		**Polyvinyl Chloride (PVC) Coated Supports** *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494		**Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0493)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0495		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*		
26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.03	22.56
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.40	24.59
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.82	27.07
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.43	30.12
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	99.96	33.84
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	119.94	37.23
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	131.18	40.61
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	144.54	43.99
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	152.55	47.37
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	164.93	50.76
26 05 29 00-0506		Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*		
26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.75	22.56
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	70.60	24.59
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	81.39	27.07
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.83	30.12
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	101.27	33.84
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	117.69	37.23
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	135.44	40.61
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	150.20	43.99
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	159.65	47.37
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	165.88	50.76
26 05 29 00-0517		Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*		
26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.93	22.33
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.63	24.37
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.63	27.07
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	90.12	29.78
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	117.99	33.84
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	129.35	37.23
26 05 29 00-0524		Polyvinyl Chloride (PVC) Coated Conduit Straps *(26 05 29 00-0493)*		
26 05 29 00-0525		One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0524)*		
26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.84	0.68
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.53	0.68
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.56	0.68
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.29	0.68
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.14	0.68
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	30.28	0.68
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	40.35	0.68
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	54.08	0.68
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	95.75	0.68
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	101.76	0.68
26 05 29 00-0536		Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps *(26 05 29 00-0524)*		
26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.46	1.35
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.53	1.35
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.94	1.35
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.09	1.35
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.66	1.35
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.72	1.35
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	26.69	1.35
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.92	1.35
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.82	1.35
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	32.36	1.35
26 05 29 00-0547		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0493)*		
26 05 29 00-0548		Polyvinyl Chloride (PVC) Coated Clamp Back Spacer *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	14.01	1.35
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	16.32	1.35
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	20.57	1.35
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	24.08	1.35
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	32.30	1.35
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	62.66	1.35
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	79.53	1.35
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	108.65	1.35
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	190.30	1.35
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	190.30	1.35
26 05 29 00-0559		Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories *(26 05 29 00-0493)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.68	0.90
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.92	1.01
26 05 29 00-0563		**Attachments** *(26 05 29 00-0493)*		
26 05 29 00-0564		**Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts** *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	18.29	6.78
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	18.89	7.12
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.88	7.57
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.16	8.02
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	22.55	8.48
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	25.38	9.04
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	37.00	9.72
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	38.77	10.39
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	41.32	11.30
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	67.98	12.88
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	84.35	14.91
26 05 29 00-0576		**Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps** *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	63.64	22.33
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	74.87	22.33
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	79.49	22.33
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	87.80	23.69
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	102.88	27.07
26 05 29 00-0582		**Polyvinyl Chloride (PVC) Coated Pipe Straps** *(26 05 29 00-0563)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	24.51	7.45
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.66	8.12
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	27.98	8.80
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	31.40	10.15
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	35.98	11.51
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	40.25	12.18
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	44.44	13.53
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	53.32	14.89
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	58.56	15.57
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	61.32	16.92
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	65.20	18.95
26 05 29 00-0594		**Polyvinyl Chloride (PVC) Coated Channel** *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	27.03	3.39
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	48.33	4.74
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	28.95	3.39
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	21.14	3.39
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	22.33	3.39
26 05 29 00-0600		**Polymer Concrete Pads** *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0601		**Polymer Concrete, Box Pads** *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,458.74	137.49
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,507.66	137.49
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,957.14	137.49
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	2,031.67	137.49
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,887.77	137.49
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,239.71	137.49
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,509.58	137.49
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,401.84	171.87
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,662.74	171.87
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,929.88	171.87
26 05 29 00-0612		**Polymer Concrete, Telecommunications Equipment Pads** *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	697.14	71.88
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	830.75	71.88
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,082.22	103.12
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,131.88	103.12
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,637.42	103.12
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,707.69	103.12
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,838.61	103.12
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,838.61	103.12
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,483.40	103.12
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,952.72	103.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0623		Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	414.13	71.88
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	448.48	71.88
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	479.77	71.88
26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	583.71	71.88
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	537.33	71.88
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	559.18	71.88
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	615.85	71.88
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	648.90	71.88
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	759.29	71.88
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	941.12	71.88
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,393.87	103.12
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,460.33	103.12
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,481.30	103.12
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,621.01	103.12
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,489.71	103.12
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,115.64	103.12

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire Assemblies *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0250 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	876.70	251.86
		For Work In Restricted Working Space, Add	*215.91*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	962.15	273.50
		For Work In Restricted Working Space, Add	*234.46*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,047.60	295.14
		For Work In Restricted Working Space, Add	*253.01*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*4.72*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	931.36	262.68
		For Work In Restricted Working Space, Add	*225.19*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,038.96	287.93
		For Work In Restricted Working Space, Add	*246.83*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,146.57	313.17
		For Work In Restricted Working Space, Add	*268.47*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,057.60	284.32
		For Work In Restricted Working Space, Add	*243.74*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.18*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	977.76	271.54
		For Work In Restricted Working Space, Add	*232.73*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,063.20	293.18
		For Work In Restricted Working Space, Add	*251.28*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,148.64	314.82
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*269.83*	
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,234.10	336.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*288.38*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,032.40	282.36
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*242.00*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,140.02	307.61
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*263.65*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,247.63	332.86
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*285.29*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,355.24	358.11
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*306.93*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,313.14	336.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*288.38*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,467.64	368.93
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*316.20*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.35*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,327.45	325.64
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*279.11*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.21*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,542.90	365.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*313.11*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,122.75	292.26
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*250.54*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,208.20	313.90
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*269.09*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,293.64	335.54
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*287.64*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,379.09	357.17
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*306.19*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,177.39	303.08
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*259.81*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,285.01	328.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*281.45*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,392.63	353.56
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*303.10*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,500.23	378.81
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*324.73*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,458.13	357.17
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*306.19*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,687.89	386.03
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*330.92*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,903.34	425.70
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*364.92*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.42*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0250 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,178.82	286.69
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*245.72*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,264.27	308.33
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*264.26*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,233.47	297.51
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*254.99*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,341.08	322.76
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*276.63*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,359.71	319.15
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*273.54*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*6.18*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,300.74	305.75
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*262.04*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*2.36*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,386.19	327.39
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*280.59*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,471.63	349.03
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*299.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,355.39	316.57
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*271.31*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,463.00	341.82
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*292.95*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,570.62	367.07
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*314.60*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,636.12	370.67
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*317.69*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,790.62	403.14
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*345.51*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*12.35*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,650.43	359.85
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*308.41*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*10.21*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	1,865.88	399.53
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*342.42*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,689.51	365.11
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*312.96*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*3.54*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,774.95	386.76
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*331.51*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,860.39	408.39
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*350.05*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*5.90*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,766.32	379.54
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*325.32*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*5.31*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,873.94	404.78
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*346.97*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*7.08*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Assembly	1,981.53	430.03
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*368.60*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*8.85*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Assembly	1,939.43	408.39
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*350.05*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*9.26*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	2,169.20	437.24
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*374.79*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*15.32*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Assembly	2,384.66	476.92
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*408.80*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*20.42*	

26 05 33 13-0058 Conduit *(26 05 33 13)*

Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0060			Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061			Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)*		
			Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062		LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.42	2.27
			For >250 To 500, Deduct	*-0.14*	
			For >500 To 1,000, Deduct	*-0.49*	
			For >1,000, Deduct	*-0.70*	
			For Installation In Metal Stud Wall, Add	*0.57*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.42*	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.85*	
			For Work In Restricted Working Space, Add	*1.70*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
			For Elevated Installation >20' To 25' Above Floor, Add	*1.42*	
			For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
			For Elevated Installation >30' To 35' Above Floor, Add	*2.27*	
			For Elevated Installation >35' To 40' Above Floor, Add	*2.84*	
			For Elevated Installation >40' Above Floor, Add	*3.12*	
26 05 33 13-0063		LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	10.00	2.48
			For >250 To 500, Deduct	*-0.17*	
			For >500 To 1,000, Deduct	*-0.59*	
			For >1,000, Deduct	*-0.84*	
			For Installation In Metal Stud Wall, Add	*0.66*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*1.65*	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.99*	
			For Work In Restricted Working Space, Add	*1.98*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.66*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.32*	
			For Elevated Installation >20' To 25' Above Floor, Add	*1.65*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.31*	
			For Elevated Installation >30' To 35' Above Floor, Add	*2.64*	
			For Elevated Installation >35' To 40' Above Floor, Add	*3.30*	
			For Elevated Installation >40' Above Floor, Add	*3.63*	
26 05 33 13-0064		LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.12	2.89
			For >250 To 500, Deduct	*-0.26*	
			For >500 To 1,000, Deduct	*-0.84*	
			For >1,000, Deduct	*-1.19*	
			For Installation In Metal Stud Wall, Add	*0.89*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*2.22*	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.33*	
			For Work In Restricted Working Space, Add	*2.66*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.54*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.43*	
			For Elevated Installation >40' Above Floor, Add	*4.87*	
26 05 33 13-0065		LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	16.39	3.30
			For >250 To 500, Deduct	*-0.35*	
			For >500 To 1,000, Deduct	*-0.99*	
			For >1,000, Deduct	*-1.40*	
			For Installation In Metal Stud Wall, Add	*0.94*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*2.35*	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.41*	
			For Work In Restricted Working Space, Add	*2.81*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.88*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.35*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.28*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.75*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.69*	
			For Elevated Installation >40' Above Floor, Add	*5.16*	
26 05 33 13-0066		LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	18.90	3.71
			For >250 To 500, Deduct	*-0.43*	
			For >500 To 1,000, Deduct	*-1.16*	
			For >1,000, Deduct	*-1.63*	
			For Installation In Metal Stud Wall, Add	*1.03*	
			For Installation In Wood Stud Wall (Includes Drilling), Add	*2.58*	
			For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.55*	
			For Work In Restricted Working Space, Add	*3.09*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
			For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
			For Elevated Installation >40' Above Floor, Add	*5.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	24.15	4.53
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000, Deduct	*-2.10*	
		For Installation In Metal Stud Wall, Add	*1.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.17*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.90*	
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.34*	
		For Elevated Installation >40' Above Floor, Add	*6.97*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	36.24	6.19
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.19*	
		For Installation In Metal Stud Wall, Add	*1.72*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.30*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.58*	
		For Work In Restricted Working Space, Add	*5.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.61*	
		For Elevated Installation >40' Above Floor, Add	*9.47*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	47.40	8.24
		For >250 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-4.16*	
		For Installation In Metal Stud Wall, Add	*2.32*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.80*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.48*	
		For Work In Restricted Working Space, Add	*6.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.59*	
		For Elevated Installation >40' Above Floor, Add	*12.75*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	57.07	10.31
		For >250 To 500, Deduct	*-1.48*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-5.02*	
		For Installation In Metal Stud Wall, Add	*2.75*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.88*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.76*	
		For Elevated Installation >40' Above Floor, Add	*15.14*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	67.84	12.36
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-4.29*	
		For >1,000, Deduct	*-5.99*	
		For Installation In Metal Stud Wall, Add	*3.17*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.94*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.76*	
		For Work In Restricted Working Space, Add	*9.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.87*	
		For Elevated Installation >40' Above Floor, Add	*17.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	108.86	15.66
		For >250 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-7.19*	
		For >1,000, Deduct	*-9.91*	
		For Installation In Metal Stud Wall, Add	*3.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*9.79*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.87*	
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	147.43	19.78
		For >250 To 500, Deduct	*-4.90*	
		For >500 To 1,000, Deduct	*-9.82*	
		For >1,000, Deduct	*-13.51*	
		For Installation In Metal Stud Wall, Add	*4.95*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*12.37*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*7.42*	
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	31.35	10.20
		For Work In Restricted Working Space, Add	*7.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.80*	
		For Elevated Installation >40' Above Floor, Add	*14.07*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	39.41	12.67
		For Work In Restricted Working Space, Add	*9.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.91*	
		For Elevated Installation >40' Above Floor, Add	*17.50*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	50.49	15.56
		For Work In Restricted Working Space, Add	*11.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.40*	
		For Elevated Installation >40' Above Floor, Add	*21.34*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	65.03	18.03
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.52*	
		For Elevated Installation >40' Above Floor, Add	*24.77*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	75.54	20.72
		For Work In Restricted Working Space, Add	*15.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.85*	
		For Elevated Installation >40' Above Floor, Add	*28.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	89.66	22.77
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.44*	
		For Elevated Installation >40' Above Floor, Add	*31.28*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	129.51	28.44
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	183.82	38.75
		For Work In Restricted Working Space, Add	*29.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.43*	
		For Elevated Installation >40' Above Floor, Add	*53.27*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	245.21	43.69
		For Work In Restricted Working Space, Add	*32.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.63*	
		For Elevated Installation >40' Above Floor, Add	*60.09*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	298.87	56.89
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.09*	
		For Elevated Installation >40' Above Floor, Add	*78.20*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	488.97	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.94*	
		For Elevated Installation >40' Above Floor, Add	*127.53*	
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	735.14	139.32
		For Work In Restricted Working Space, Add	*104.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*34.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*69.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*87.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*121.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*139.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*174.15*	
		For Elevated Installation >40' Above Floor, Add	*191.56*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	31.35	10.20
		For Work In Restricted Working Space, Add	*7.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.80*	
		For Elevated Installation >40' Above Floor, Add	*14.07*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	39.41	12.67
		For Work In Restricted Working Space, Add	*9.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.91*	
		For Elevated Installation >40' Above Floor, Add	*17.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	50.49	15.56
		For Work In Restricted Working Space, Add	*11.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.40*	
		For Elevated Installation >40' Above Floor, Add	*21.34*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	65.03	18.03
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.52*	
		For Elevated Installation >40' Above Floor, Add	*24.77*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	75.55	20.72
		For Work In Restricted Working Space, Add	*15.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.85*	
		For Elevated Installation >40' Above Floor, Add	*28.44*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	89.66	22.77
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.44*	
		For Elevated Installation >40' Above Floor, Add	*31.28*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	127.14	28.44
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	174.58	38.75
		For Work In Restricted Working Space, Add	*29.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.43*	
		For Elevated Installation >40' Above Floor, Add	*53.27*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	232.22	43.69
		For Work In Restricted Working Space, Add	*32.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.63*	
		For Elevated Installation >40' Above Floor, Add	*60.09*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	281.59	56.89
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.09*	
		For Elevated Installation >40' Above Floor, Add	*78.20*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	488.97	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.94*	
		For Elevated Installation >40' Above Floor, Add	*127.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	735.14	139.32
		For Work In Restricted Working Space, Add	*104.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*34.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*69.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*87.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*121.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*139.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*174.15*	
		For Elevated Installation >40' Above Floor, Add	*191.56*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	78.75	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	90.72	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	105.05	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	118.54	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	85.98	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	100.00	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	109.28	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	123.26	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	164.39	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	221.10	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
26 05 33 13-0112		Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	86.32	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	99.09	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	113.85	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	133.49	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	173.92	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	228.79	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	287.40	71.00
		For Work In Restricted Working Space, Add	*42.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	347.32	92.43
		For Work In Restricted Working Space, Add	*55.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	97.83	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	110.38	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	122.31	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	145.96	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	190.93	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	255.45	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	313.32	71.00
		For Work In Restricted Working Space, Add	*42.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	367.99	92.43
		For Work In Restricted Working Space, Add	*55.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
26 05 33 13-0130		**Rigid Galvanized Steel (RGS) 30" Large Radius Elbow** *(26 05 33 13-0060)*		
		See CSI section 26 05 33 13-2319 for conduit field bending.		
26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	97.13	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	118.78	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	131.41	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	157.85	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	207.25	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	276.51	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	338.95	71.00
		For Work In Restricted Working Space, Add	*42.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	405.92	92.43
		For Work In Restricted Working Space, Add	*55.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	585.35	150.71
		For Work In Restricted Working Space, Add	*90.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	

26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	103.28	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	122.92	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	147.34	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	167.13	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	226.60	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	294.52	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	372.05	71.00
		For Work In Restricted Working Space, Add	*42.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	423.77	92.43
		For Work In Restricted Working Space, Add	*55.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	730.96	150.71
		For Work In Restricted Working Space, Add	*90.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	924.71	226.41
		For Work In Restricted Working Space, Add	*135.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	112.29	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	133.92	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	159.04	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	179.36	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	241.41	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	320.90	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	398.51	71.00
		For Work In Restricted Working Space, Add	*42.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	499.91	92.43
		For Work In Restricted Working Space, Add	*55.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	836.00	150.71
		For Work In Restricted Working Space, Add	*90.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,015.67	226.41
		For Work In Restricted Working Space, Add	*135.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	119.79	25.45
		For Work In Restricted Working Space, Add	*15.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	142.40	29.47
		For Work In Restricted Working Space, Add	*17.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	166.43	33.49
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	202.20	36.84
		For Work In Restricted Working Space, Add	*22.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	268.71	46.22
		For Work In Restricted Working Space, Add	*27.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	347.49	62.96
		For Work In Restricted Working Space, Add	*37.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	431.78	71.00
		For Work In Restricted Working Space, Add	*42.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	540.33	92.43
		For Work In Restricted Working Space, Add	*55.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	868.89	150.71
		For Work In Restricted Working Space, Add	*90.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,034.07	226.41
		For Work In Restricted Working Space, Add	*135.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	

26 05 33 13-0173 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing *(26 05 33 13-0060)*

26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.55	6.57
		For Work In Restricted Working Space, Add	*3.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.57*	
		For Elevated Installation >40' Above Floor, Add	*7.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.94*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	14.56	7.01
		For Work In Restricted Working Space, Add	*4.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.01*	
		For Elevated Installation >40' Above Floor, Add	*7.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.21*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	16.57	7.88
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.88*	
		For Elevated Installation >40' Above Floor, Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	18.70	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	23.51	10.95
		For Work In Restricted Working Space, Add	*6.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.67*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.95*	
		For Elevated Installation >40' Above Floor, Add	*12.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.57*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	29.27	13.14
		For Work In Restricted Working Space, Add	*7.88*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.63*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.14*	
		For Elevated Installation >40' Above Floor, Add	*14.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.88*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	37.25	15.33
		For Work In Restricted Working Space, Add	*9.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.26*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.33*	
		For Elevated Installation >40' Above Floor, Add	*16.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	42.00	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	49.08	16.48
		For Work In Restricted Working Space, Add	*11.83*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.71*	
		For Elevated Installation >40' Above Floor, Add	*21.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.83*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	54.45	21.90
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.90*	
		For Elevated Installation >40' Above Floor, Add	*24.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	66.32	24.09
		For Work In Restricted Working Space, Add	*14.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.63*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.09*	
		For Elevated Installation >40' Above Floor, Add	*26.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.45*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	98.50	26.28
		For Work In Restricted Working Space, Add	*15.77*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.26*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.28*	
		For Elevated Installation >40' Above Floor, Add	*28.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.77*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	16.47	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	17.95	8.24
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	21.11	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	23.77	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	30.44	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	35.94	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	51.87	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	61.95	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	94.79	23.18
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	130.03	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	175.76	28.34
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	262.83	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 33 13-0199		**Rigid Galvanized Steel (RGS) Steel Insulated Bushing** *(26 05 33 13-0060)*		
26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	17.66	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	19.75	8.24
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	23.37	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	27.59	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	34.41	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	42.99	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	61.43	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	73.16	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	96.88	23.18
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	139.38	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	185.94	28.34
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	266.41	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	27.42	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	30.74	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	35.30	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	42.10	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	50.81	15.97
		For Work In Restricted Working Space, Add	*9.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.98*	
		For Elevated Installation >40' Above Floor, Add	*17.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	64.32	19.06
		For Work In Restricted Working Space, Add	*11.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.81*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.53*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.06*	
		For Elevated Installation >40' Above Floor, Add	*20.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.44*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	87.11	22.16
		For Work In Restricted Working Space, Add	*13.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.16*	
		For Elevated Installation >40' Above Floor, Add	*24.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.29*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	95.68	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	108.28	28.86
		For Work In Restricted Working Space, Add	*17.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.77*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.54*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.08*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.86*	
		For Elevated Installation >40' Above Floor, Add	*31.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	141.30	31.95
		For Work In Restricted Working Space, Add	*19.17*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.39*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.78*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.95*	
		For Elevated Installation >40' Above Floor, Add	*35.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.17*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	203.32	35.04
		For Work In Restricted Working Space, Add	*21.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.03*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.04*	
		For Elevated Installation >40' Above Floor, Add	*38.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	282.69	38.65
		For Work In Restricted Working Space, Add	*23.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*38.65*	
		For Elevated Installation >40' Above Floor, Add	*42.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.19*	
26 05 33 13-0225		**Rigid Galvanized Steel (RGS) Box Connectors With Set Screw** *(26 05 33 13-0060)*		
26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	16.18	4.74
		For Work In Restricted Working Space, Add	*3.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.88*	
		For Elevated Installation >40' Above Floor, Add	*6.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.53*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	19.76	5.46
		For Work In Restricted Working Space, Add	*4.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.81*	
		For Elevated Installation >40' Above Floor, Add	*7.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.09*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	26.20	6.60
		For Work In Restricted Working Space, Add	*4.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.21*	
		For Elevated Installation >40' Above Floor, Add	*9.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.92*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	39.61	8.14
		For Work In Restricted Working Space, Add	*6.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.04*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.08*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.17*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.21*	
		For Elevated Installation >40' Above Floor, Add	*11.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	53.69	10.92
		For Work In Restricted Working Space, Add	*8.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.67*	
		For Elevated Installation >40' Above Floor, Add	*15.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.20*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	92.63	16.38
		For Work In Restricted Working Space, Add	*12.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.47*	
		For Elevated Installation >40' Above Floor, Add	*22.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.28*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	173.25	18.14
		For Work In Restricted Working Space, Add	*13.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.67*	
		For Elevated Installation >40' Above Floor, Add	*24.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	206.32	21.95
		For Work In Restricted Working Space, Add	*16.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.46*	
		For Elevated Installation >40' Above Floor, Add	*30.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.48*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	280.19	27.52
		For Work In Restricted Working Space, Add	*20.63*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.38*	
		For Elevated Installation >40' Above Floor, Add	*37.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.63*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	327.81	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	587.58	36.69
		For Work In Restricted Working Space, Add	*27.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.81*	
		For Elevated Installation >40' Above Floor, Add	*50.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.48*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	703.41	41.22
		For Work In Restricted Working Space, Add	*30.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.52*	
		For Elevated Installation >40' Above Floor, Add	*56.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.91*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	15.34	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	17.64	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	22.62	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	26.55	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	30.36	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	15.50	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	17.88	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	22.89	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	26.92	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	30.95	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	35.13	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	15.67	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	18.10	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	23.27	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	27.25	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	31.35	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	36.10	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	50.01	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	66.84	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	15.89	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	18.21	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	23.76	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	27.88	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	32.18	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	37.11	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	52.74	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	69.20	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	16.09	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	18.59	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	24.07	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	28.19	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	32.75	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	37.97	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	53.58	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	70.95	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	82.02	27.30
		For Work In Restricted Working Space, Add	*16.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.31*	
		For Elevated Installation >40' Above Floor, Add	*30.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	101.87	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	16.41	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	19.06	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	24.67	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	29.06	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	33.60	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	39.49	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	56.95	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	74.61	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	85.65	27.30
		For Work In Restricted Working Space, Add	*16.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.31*	
		For Elevated Installation >40' Above Floor, Add	*30.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	107.18	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	167.92	48.95
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.95*	
		For Elevated Installation >40' Above Floor, Add	*53.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	212.87	62.76
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.80*	
		For Elevated Installation >40' Above Floor, Add	*69.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.68*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	17.00	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	19.66	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	25.14	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	29.86	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	35.40	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	41.01	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	59.91	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	78.32	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	90.09	27.30
		For Work In Restricted Working Space, Add	*16.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.31*	
		For Elevated Installation >40' Above Floor, Add	*30.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	111.39	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	174.09	48.95
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.95*	
		For Elevated Installation >40' Above Floor, Add	*53.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	221.90	62.76
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.80*	
		For Elevated Installation >40' Above Floor, Add	*69.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.68*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	19.14	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	22.39	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	28.36	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	34.44	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	40.50	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	46.40	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	67.75	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	87.33	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	99.07	27.30
		For Work In Restricted Working Space, Add	*16.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.31*	
		For Elevated Installation >40' Above Floor, Add	*30.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	121.31	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	188.40	48.95
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.95*	
		For Elevated Installation >40' Above Floor, Add	*53.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	237.97	62.76
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.80*	
		For Elevated Installation >40' Above Floor, Add	*69.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.68*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	20.58	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	23.79	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	30.92	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	37.48	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	43.50	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	49.87	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	73.02	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	94.40	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	108.39	27.30
		For Work In Restricted Working Space, Add	*16.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.31*	
		For Elevated Installation >40' Above Floor, Add	*30.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	133.12	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	204.01	48.95
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.95*	
		For Elevated Installation >40' Above Floor, Add	*53.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	266.04	62.76
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.80*	
		For Elevated Installation >40' Above Floor, Add	*69.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.68*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	21.68	6.70
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	24.82	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	32.46	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	39.92	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	45.00	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	52.78	14.43
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	79.22	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	104.24	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	117.46	27.30
		For Work In Restricted Working Space, Add	*16.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.65*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*27.31*	
		For Elevated Installation >40' Above Floor, Add	*30.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	144.94	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	226.43	48.95
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.95*	
		For Elevated Installation >40' Above Floor, Add	*53.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	281.65	62.76
		For Work In Restricted Working Space, Add	*37.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.80*	
		For Elevated Installation >40' Above Floor, Add	*69.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.68*	
26 05 33 13-0336		Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*		
26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	15.86	5.35
		For Work In Restricted Working Space, Add	*4.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.75*	
		For Elevated Installation >40' Above Floor, Add	*7.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.05*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	18.98	6.19
		For Work In Restricted Working Space, Add	*4.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.69*	
		For Elevated Installation >40' Above Floor, Add	*8.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.61*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	23.78	7.83
		For Work In Restricted Working Space, Add	*5.90*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.83*	
		For Elevated Installation >40' Above Floor, Add	*10.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.90*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	30.21	9.38
		For Work In Restricted Working Space, Add	*7.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.78*	
		For Elevated Installation >40' Above Floor, Add	*12.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.07*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	33.08	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.89*	
		For Elevated Installation >40' Above Floor, Add	*14.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	43.35	12.67
		For Work In Restricted Working Space, Add	*9.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.88*	
		For Elevated Installation >40' Above Floor, Add	*17.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.53*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	70.84	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	114.98	28.44
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	142.78	33.59
		For Work In Restricted Working Space, Add	*25.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.41*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.77*	
		For Elevated Installation >40' Above Floor, Add	*45.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.06*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	171.41	38.75
		For Work In Restricted Working Space, Add	*29.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.44*	
		For Elevated Installation >40' Above Floor, Add	*53.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.06*	
26 05 33 13-0347		**Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling** *(26 05 33 13-0060)*		
		Note: Erickson fittings.		
26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	44.04	16.48
		For Work In Restricted Working Space, Add	*12.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.64*	
		For Elevated Installation >40' Above Floor, Add	*22.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.38*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	49.61	18.45
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.03*	
		For Elevated Installation >40' Above Floor, Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	57.86	20.51
		For Work In Restricted Working Space, Add	*15.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.66*	
		For Elevated Installation >40' Above Floor, Add	*28.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.39*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	70.12	22.46
		For Work In Restricted Working Space, Add	*16.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.07*	
		For Elevated Installation >40' Above Floor, Add	*30.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	78.18	24.53
		For Work In Restricted Working Space, Add	*18.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.72*	
		For Elevated Installation >40' Above Floor, Add	*33.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	100.07	26.58
		For Work In Restricted Working Space, Add	*19.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.26*	
		For Elevated Installation >40' Above Floor, Add	*36.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.96*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	160.15	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	221.00	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	320.17	49.47
		For Work In Restricted Working Space, Add	*37.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.86*	
		For Elevated Installation >40' Above Floor, Add	*68.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.11*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	364.99	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	639.02	65.95
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.43*	
		For Elevated Installation >40' Above Floor, Add	*90.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.46*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	822.64	76.26
		For Work In Restricted Working Space, Add	*57.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*19.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*38.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*47.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*66.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*76.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*95.31*	
		For Elevated Installation >40' Above Floor, Add	*104.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.19*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	26.94	8.24
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	30.16	9.06
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	34.67	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	39.59	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.92*	
		For Elevated Installation >40' Above Floor, Add	*15.31*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	47.31	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	58.25	13.61
		For Work In Restricted Working Space, Add	*10.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.01*	
		For Elevated Installation >40' Above Floor, Add	*18.71*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	80.08	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	98.94	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	118.87	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	134.72	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	23.43	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	26.12	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	32.22	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	39.69	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	50.87	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	59.27	23.18
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	73.41	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	99.24	32.46
		For Work In Restricted Working Space, Add	*19.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.46*	
		For Elevated Installation >40' Above Floor, Add	*35.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	117.72	39.16
		For Work In Restricted Working Space, Add	*23.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.33*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.16*	
		For Elevated Installation >40' Above Floor, Add	*43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.50*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	144.69	46.38
		For Work In Restricted Working Space, Add	*27.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.37*	
		For Elevated Installation >40' Above Floor, Add	*51.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	129.46	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.62*	
		For Elevated Installation >40' Above Floor, Add	*22.68*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	147.09	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.50*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	175.44	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.77*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	217.18	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	276.33	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	388.71	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	602.55	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	772.93	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,138.09	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.84*	
		For Elevated Installation >40' Above Floor, Add	*68.02*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,212.43	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,871.72	65.95
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.44*	
		For Elevated Installation >40' Above Floor, Add	*90.68*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	2,306.37	73.17
		For Work In Restricted Working Space, Add	*54.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*91.51*	
		For Elevated Installation >40' Above Floor, Add	*100.66*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	144.21	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.62*	
		For Elevated Installation >40' Above Floor, Add	*22.68*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	160.16	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.50*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	195.95	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.77*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	249.48	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	340.50	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	419.37	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.83*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	801.34	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	908.67	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,406.35	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.84*	
		For Elevated Installation >40' Above Floor, Add	*68.02*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,522.49	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,133.08	65.95
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.44*	
		For Elevated Installation >40' Above Floor, Add	*90.68*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,642.63	73.17
		For Work In Restricted Working Space, Add	*54.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*91.51*	
		For Elevated Installation >40' Above Floor, Add	*100.66*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*
Note: Type EX

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	165.80	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.62*	
		For Elevated Installation >40' Above Floor, Add	*22.68*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	211.06	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.50*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	264.71	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.77*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	323.93	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	441.32	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	614.19	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.83*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	961.73	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,299.19	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,961.79	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.84*	
		For Elevated Installation >40' Above Floor, Add	*68.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,028.41	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	
26 05 33 13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,065.68	65.95
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.44*	
		For Elevated Installation >40' Above Floor, Add	*90.68*	
26 05 33 13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,808.08	73.17
		For Work In Restricted Working Space, Add	*54.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*91.51*	
		For Elevated Installation >40' Above Floor, Add	*100.66*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	298.92	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.62*	
		For Elevated Installation >40' Above Floor, Add	*22.68*	
26 05 33 13-0423	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	357.05	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.50*	
26 05 33 13-0424	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	433.18	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.77*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0425	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	510.60	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
26 05 33 13-0426	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	564.95	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0427	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	701.50	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	929.31	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,179.08	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,324.00	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.84*	
		For Elevated Installation >40' Above Floor, Add	*68.02*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,611.10	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,777.90	65.95
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.44*	
		For Elevated Installation >40' Above Floor, Add	*90.68*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	4,444.49	73.17
		For Work In Restricted Working Space, Add	*54.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*91.51*	
		For Elevated Installation >40' Above Floor, Add	*100.66*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	73.75	8.24
		For Work In Restricted Working Space, Add	*6.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	84.27	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.89*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	104.17	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	147.09	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	223.06	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	388.76	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	82.85	8.24
		For Work In Restricted Working Space, Add	*6.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	95.77	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.89*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	114.70	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	161.07	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	241.61	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	448.57	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	95.42	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	113.39	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	138.40	36.07
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	162.90	41.22
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	213.88	46.38
		For Work In Restricted Working Space, Add	*27.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.37*	
		For Elevated Installation >40' Above Floor, Add	*51.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	260.01	51.52
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	367.52	61.83
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.83*	
		For Elevated Installation >40' Above Floor, Add	*68.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	442.16	72.14
		For Work In Restricted Working Space, Add	*43.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*36.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*72.14*	
		For Elevated Installation >40' Above Floor, Add	*79.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,024.01	82.44
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.44*	
		For Elevated Installation >40' Above Floor, Add	*90.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.46*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,179.81	92.74
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	13.81	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	19.34	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	25.44	11.33
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	29.26	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	35.29	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	41.57	17.52
		For Work In Restricted Working Space, Add	*10.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	53.82	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	63.37	22.16
		For Work In Restricted Working Space, Add	*13.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.16*	
		For Elevated Installation >40' Above Floor, Add	*24.37*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	74.18	24.22
		For Work In Restricted Working Space, Add	*14.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	78.34	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.35	1.03
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	4.57	1.54
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	7.59	2.58
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	11.02	3.61
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	13.27	4.12
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	15.69	4.63

26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0060)*

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	206.16	12.51
		For Work In Restricted Working Space, Add	*9.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.64*	
		For Elevated Installation >40' Above Floor, Add	*17.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.38*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	209.17	13.71
		For Work In Restricted Working Space, Add	*10.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.14*	
		For Elevated Installation >40' Above Floor, Add	*18.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.28*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	251.59	15.04
		For Work In Restricted Working Space, Add	*11.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.77*	
		For Elevated Installation >40' Above Floor, Add	*20.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.26*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	276.18	16.48
		For Work In Restricted Working Space, Add	*12.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.63*	
		For Elevated Installation >40' Above Floor, Add	*22.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	315.25	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	469.21	20.61
		For Work In Restricted Working Space, Add	*15.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.62*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.78*	
		For Elevated Installation >40' Above Floor, Add	*28.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.47*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	538.61	27.52
		For Work In Restricted Working Space, Add	*20.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.87*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.06*	
		For Elevated Installation >30' To 35' Above Floor, Add	*27.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*34.37*	
		For Elevated Installation >40' Above Floor, Add	*37.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.62*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	597.61	30.19
		For Work In Restricted Working Space, Add	*22.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.77*	
		For Elevated Installation >40' Above Floor, Add	*41.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.66*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	695.89	32.98
		For Work In Restricted Working Space, Add	*24.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.25*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.86*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.23*	
		For Elevated Installation >40' Above Floor, Add	*45.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.74*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	784.49	37.10
		For Work In Restricted Working Space, Add	*27.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.37*	
		For Elevated Installation >40' Above Floor, Add	*51.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,055.83	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,315.15	45.75
		For Work In Restricted Working Space, Add	*34.31*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*22.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*28.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*40.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*45.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*57.19*	
		For Elevated Installation >40' Above Floor, Add	*62.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.31*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	16.96	7.98
		For Work In Restricted Working Space, Add	*4.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.59*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.99*	
		For Elevated Installation >40' Above Floor, Add	*8.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.79*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	18.83	8.50
		For Work In Restricted Working Space, Add	*5.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.51*	
		For Elevated Installation >40' Above Floor, Add	*9.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.10*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	19.34	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	22.75	9.01
		For Work In Restricted Working Space, Add	*5.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.21*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.02*	
		For Elevated Installation >40' Above Floor, Add	*9.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.41*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	23.27	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	24.30	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	26.33	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.85	10.56
		For Work In Restricted Working Space, Add	*6.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.45*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.57*	
		For Elevated Installation >40' Above Floor, Add	*11.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	27.88	11.08
		For Work In Restricted Working Space, Add	*6.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.08*	
		For Elevated Installation >40' Above Floor, Add	*12.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.65*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	28.90	11.59
		For Work In Restricted Working Space, Add	*6.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.59*	
		For Elevated Installation >40' Above Floor, Add	*12.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.95*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	35.74	11.59
		For Work In Restricted Working Space, Add	*6.95*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.32*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.59*	
		For Elevated Installation >40' Above Floor, Add	*12.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.95*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	36.26	11.85
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.85*	
		For Elevated Installation >40' Above Floor, Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	37.29	12.36
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.37*	
		For Elevated Installation >40' Above Floor, Add	*13.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	38.32	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	40.90	14.17
		For Work In Restricted Working Space, Add	*8.50*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.67*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.92*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.17*	
		For Elevated Installation >40' Above Floor, Add	*15.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.50*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	52.10	16.75
		For Work In Restricted Working Space, Add	*10.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	2.16	1.03
		For Work In Restricted Working Space, Add	*0.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.04*	
		For Elevated Installation >40' Above Floor, Add	*1.14*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	3.22	1.54
		For Work In Restricted Working Space, Add	*0.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.55*	
		For Elevated Installation >40' Above Floor, Add	*1.70*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	5.36	2.58
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	7.56	3.61
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	8.69	4.12
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.12*	
		For Elevated Installation >40' Above Floor, Add	*4.53*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	9.84	4.63
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	13.85	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	17.10	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	20.25	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	22.72	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.77*	
26 05 33 13-0517		Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*		
26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.43	1.03
		For Work In Restricted Working Space, Add	*0.62*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*0.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*0.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.04*	
		For Elevated Installation >40' Above Floor, Add	*1.14*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	4.72	1.54
		For Work In Restricted Working Space, Add	*0.93*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.62*	
		For Elevated Installation >20' To 25' Above Floor, Add	*0.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*1.55*	
		For Elevated Installation >40' Above Floor, Add	*1.70*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.49	2.58
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	10.46	3.61
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.80	4.12
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.12*	
		For Elevated Installation >40' Above Floor, Add	*4.53*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.93	4.63
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	20.99	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	26.42	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	35.31	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	42.53	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.77*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.59	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	11.94	4.12
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.12*	
		For Elevated Installation >40' Above Floor, Add	*4.53*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	15.29	5.15
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	22.04	8.24
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	24.84	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	28.32	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	39.63	12.36
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.37*	
		For Elevated Installation >40' Above Floor, Add	*13.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	47.98	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	58.85	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	71.45	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0539		Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*		
26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	22.56	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	27.07	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	35.85	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	49.91	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	67.53	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	102.00	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	178.28	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	226.52	36.07
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	289.33	43.80
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*17.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*30.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*35.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*43.80*	
		For Elevated Installation >40' Above Floor, Add	*48.17*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	350.03	51.52
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	32.24	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	41.29	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	59.33	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	78.33	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	96.74	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	148.48	36.07
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	243.24	41.22
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	284.14	35.56
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	388.66	54.10
		For Work In Restricted Working Space, Add	*32.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.11*	
		For Elevated Installation >40' Above Floor, Add	*59.52*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	482.52	61.83
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.83*	
		For Elevated Installation >40' Above Floor, Add	*68.01*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	5.44	2.58
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	6.57	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	7.81	3.61
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	10.07	4.63
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	11.41	5.15
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	13.90	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	6.88	2.58
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	8.20	3.09
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	9.99	3.61
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	12.85	4.63
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	16.01	5.15
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	19.37	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	23.72	7.73
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	27.83	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	34.10	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.77*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	40.27	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.82*	
		For Elevated Installation >40' Above Floor, Add	*11.90*	
26 05 33 13-0579		**Rigid Galvanized Steel (RGS) Chase Nipples** *(26 05 33 13-0060)*		
26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	12.80	6.19
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	15.17	7.21
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.22*	
		For Elevated Installation >40' Above Floor, Add	*7.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	19.13	8.76
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	23.41	10.31
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	29.36	12.89
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	36.76	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	47.19	18.03
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	52.63	20.61
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	66.55	23.18
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	93.78	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

26 05 33 13-0590 Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*

26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	26.22	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	30.44	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.82*	
		For Elevated Installation >40' Above Floor, Add	*11.90*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	39.34	12.36
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.37*	
		For Elevated Installation >40' Above Floor, Add	*13.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	50.58	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	68.33	18.55
		For Work In Restricted Working Space, Add	*11.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.55*	
		For Elevated Installation >40' Above Floor, Add	*20.41*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	92.71	21.64
		For Work In Restricted Working Space, Add	*12.98*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.33*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*21.64*	
		For Elevated Installation >40' Above Floor, Add	*23.80*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	131.07	24.73
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	234.69	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0599		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)* Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0600		Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	5.39	1.86
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.29*	
		For >1,000, Deduct	*-0.42*	
		For Installation In Metal Stud Wall, Add	*0.46*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.16*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.69*	
		For Work In Restricted Working Space, Add	*1.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*0.93*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*1.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.32*	
		For Elevated Installation >40' Above Floor, Add	*2.55*	
		For Factory Applied Color Coating, Add	*0.23*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	6.33	2.07
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000, Deduct	*-0.50*	
		For Installation In Metal Stud Wall, Add	*0.52*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.29*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
		For Factory Applied Color Coating, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	7.64	2.27
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000, Deduct	*-0.62*	
		For Installation In Metal Stud Wall, Add	*0.57*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.42*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.70*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.13*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.98*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.84*	
		For Elevated Installation >40' Above Floor, Add	*3.12*	
		For Factory Applied Color Coating, Add	*0.59*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	9.50	2.56
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000, Deduct	*-0.79*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.60*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.96*	
		For Work In Restricted Working Space, Add	*1.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.20*	
		For Elevated Installation >40' Above Floor, Add	*3.51*	
		For Factory Applied Color Coating, Add	*0.93*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	11.08	2.89
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.93*	
		For Installation In Metal Stud Wall, Add	*0.72*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.80*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.08*	
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
		For Factory Applied Color Coating, Add	*1.16*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	12.83	3.30
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.08*	
		For Installation In Metal Stud Wall, Add	*0.82*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.06*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.06*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.88*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.12*	
		For Elevated Installation >40' Above Floor, Add	*4.53*	
		For Factory Applied Color Coating, Add	*1.38*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	16.59	3.92
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.41*	
		For Installation In Metal Stud Wall, Add	*0.98*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.45*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.47*	
		For Work In Restricted Working Space, Add	*2.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.98*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.96*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.92*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.90*	
		For Elevated Installation >40' Above Floor, Add	*5.38*	
		For Factory Applied Color Coating, Add	*2.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	19.85	4.53
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.70*	
		For Installation In Metal Stud Wall, Add	*1.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.83*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.70*	
		For Work In Restricted Working Space, Add	*3.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.53*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.67*	
		For Elevated Installation >40' Above Floor, Add	*6.23*	
		For Factory Applied Color Coating, Add	*2.56*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	24.78	5.35
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.52*	
		For >1,000, Deduct	*-2.14*	
		For Installation In Metal Stud Wall, Add	*1.34*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.35*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.01*	
		For Work In Restricted Working Space, Add	*4.02*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Factory Applied Color Coating, Add	*3.41*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	33.62	8.32
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.84*	
		For Installation In Metal Stud Wall, Add	*2.08*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.20*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.12*	
		For Work In Restricted Working Space, Add	*6.24*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.08*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.40*	
		For Elevated Installation >40' Above Floor, Add	*11.43*	
		For Factory Applied Color Coating, Add	*3.85*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	13.46	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.67*	
		For Elevated Installation >40' Above Floor, Add	*6.24*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	14.24	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	17.39	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.22*	
		For Elevated Installation >40' Above Floor, Add	*7.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	19.14	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	22.68	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	29.81	9.48
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.85*	
		For Elevated Installation >40' Above Floor, Add	*13.04*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	40.29	10.72
		For Work In Restricted Working Space, Add	*8.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.40*	
		For Elevated Installation >40' Above Floor, Add	*14.73*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	51.68	11.95
		For Work In Restricted Working Space, Add	*8.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.94*	
		For Elevated Installation >40' Above Floor, Add	*16.43*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	58.77	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.49*	
		For Elevated Installation >40' Above Floor, Add	*18.14*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	126.03	36.39
		For Work In Restricted Working Space, Add	*27.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.49*	
		For Elevated Installation >40' Above Floor, Add	*50.04*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	13.23	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.67*	
		For Elevated Installation >40' Above Floor, Add	*6.24*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	14.38	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	17.69	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.22*	
		For Elevated Installation >40' Above Floor, Add	*7.94*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	19.70	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	23.40	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	29.58	9.48
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.85*	
		For Elevated Installation >40' Above Floor, Add	*13.04*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	42.36	10.72
		For Work In Restricted Working Space, Add	*8.04*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.40*	
		For Elevated Installation >40' Above Floor, Add	*14.73*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	53.32	11.95
		For Work In Restricted Working Space, Add	*8.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.99*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.94*	
		For Elevated Installation >40' Above Floor, Add	*16.43*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	63.22	13.19
		For Work In Restricted Working Space, Add	*9.89*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.49*	
		For Elevated Installation >40' Above Floor, Add	*18.14*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	122.91	36.39
		For Work In Restricted Working Space, Add	*27.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.39*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.49*	
		For Elevated Installation >40' Above Floor, Add	*50.04*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.39	2.48
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	6.55	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.76	2.89
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	10.47	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.64*	
		For Elevated Installation >40' Above Floor, Add	*5.10*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	12.91	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.67*	
		For Elevated Installation >40' Above Floor, Add	*6.24*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	17.55	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.86*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	24.29	8.24
		For Work In Restricted Working Space, Add	*6.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	31.46	9.48
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	35.43	10.31
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	105.66	30.16
		For Work In Restricted Working Space, Add	*29.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.76*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.52*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.81*	
		For Elevated Installation >40' Above Floor, Add	*53.69*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	6.79	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	7.87	2.89
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	11.23	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	14.29	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	17.14	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.22*	
		For Elevated Installation >40' Above Floor, Add	*7.94*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	22.81	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	35.87	9.90
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.37*	
		For Elevated Installation >40' Above Floor, Add	*13.60*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	41.52	11.54
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	51.91	14.43
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	66.58	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	7.66	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.86*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.82	2.89
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	13.04	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	16.48	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	21.04	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.22*	
		For Elevated Installation >40' Above Floor, Add	*7.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	25.63	7.01
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.26*	
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	34.49	9.48
		For Work In Restricted Working Space, Add	*7.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.85*	
		For Elevated Installation >40' Above Floor, Add	*13.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	43.52	11.54
		For Work In Restricted Working Space, Add	*8.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.43*	
		For Elevated Installation >40' Above Floor, Add	*15.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	57.28	14.43
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	70.09	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	6.99	2.78
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.46*	
		For Elevated Installation >40' Above Floor, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	7.65	2.99
		For Work In Restricted Working Space, Add	*2.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.76*	
		For Elevated Installation >40' Above Floor, Add	*4.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	9.58	3.71
		For Work In Restricted Working Space, Add	*2.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.59*	
		For Elevated Installation >40' Above Floor, Add	*5.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	12.25	4.74
		For Work In Restricted Working Space, Add	*3.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.88*	
		For Elevated Installation >40' Above Floor, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.53*	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	14.50	5.46
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	17.81	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	25.73	9.17
		For Work In Restricted Working Space, Add	*6.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.44*	
		For Elevated Installation >40' Above Floor, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	34.14	12.16
		For Work In Restricted Working Space, Add	*9.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.25*	
		For Elevated Installation >40' Above Floor, Add	*16.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.15*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	43.76	15.66
		For Work In Restricted Working Space, Add	*11.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.64*	
		For Elevated Installation >40' Above Floor, Add	*21.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	56.52	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.35	2.07
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.55*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	6.50	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.86*	
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.76	2.89
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	11.31	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	13.82	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	17.62	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
		For Elevated Installation >40' Above Floor, Add	*8.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	26.63	8.24
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.18*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	33.12	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	39.18	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	45.65	14.43
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.23	2.78
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.46*	
		For Elevated Installation >40' Above Floor, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	8.03	2.99
		For Work In Restricted Working Space, Add	*2.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.76*	
		For Elevated Installation >40' Above Floor, Add	*4.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	10.09	3.71
		For Work In Restricted Working Space, Add	*2.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.59*	
		For Elevated Installation >40' Above Floor, Add	*5.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	13.27	4.74
		For Work In Restricted Working Space, Add	*3.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.88*	
		For Elevated Installation >40' Above Floor, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.53*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	15.74	5.46
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	19.26	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	31.99	9.17
		For Work In Restricted Working Space, Add	*6.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.44*	
		For Elevated Installation >40' Above Floor, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	41.40	12.16
		For Work In Restricted Working Space, Add	*9.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.25*	
		For Elevated Installation >40' Above Floor, Add	*16.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.15*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	52.90	15.66
		For Work In Restricted Working Space, Add	*11.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.64*	
		For Elevated Installation >40' Above Floor, Add	*21.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	66.52	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0699		**Electrical Metallic Tubing (EMT) Straight Box Compression Connectors** *(26 05 33 13-0599)*		
26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	6.50	2.48
		For Work In Restricted Working Space, Add	*1.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.17*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.10*	
		For Elevated Installation >40' Above Floor, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.86*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.68	2.89
		For Work In Restricted Working Space, Add	*2.16*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
		For Elevated Installation >40' Above Floor, Add	*3.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.16*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	10.98	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
		For Elevated Installation >40' Above Floor, Add	*5.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	13.63	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	16.21	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.77*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.22*	
		For Elevated Installation >40' Above Floor, Add	*7.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	21.14	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
		For Elevated Installation >40' Above Floor, Add	*10.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	32.52	9.90
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.18*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.89*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.37*	
		For Elevated Installation >40' Above Floor, Add	*13.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	41.10	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	51.78	14.43
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	58.26	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.37*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	7.44	2.78
		For Work In Restricted Working Space, Add	*2.07*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.46*	
		For Elevated Installation >40' Above Floor, Add	*3.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.07*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	8.26	2.99
		For Work In Restricted Working Space, Add	*2.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.76*	
		For Elevated Installation >40' Above Floor, Add	*4.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.26*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	10.27	3.71
		For Work In Restricted Working Space, Add	*2.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.59*	
		For Elevated Installation >40' Above Floor, Add	*5.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	13.81	4.74
		For Work In Restricted Working Space, Add	*3.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.88*	
		For Elevated Installation >40' Above Floor, Add	*6.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.53*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	16.63	5.46
		For Work In Restricted Working Space, Add	*4.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.43*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.86*	
		For Elevated Installation >40' Above Floor, Add	*7.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	20.55	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.12*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.24*	
		For Elevated Installation >40' Above Floor, Add	*9.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	36.69	9.17
		For Work In Restricted Working Space, Add	*6.86*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.29*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.15*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.44*	
		For Elevated Installation >40' Above Floor, Add	*12.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.86*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	49.30	12.16
		For Work In Restricted Working Space, Add	*9.15*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.05*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.68*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.25*	
		For Elevated Installation >40' Above Floor, Add	*16.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.15*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	66.74	15.66
		For Work In Restricted Working Space, Add	*11.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.64*	
		For Elevated Installation >40' Above Floor, Add	*21.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.78*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	83.65	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*

Note: Excludes jumper.

26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	56.08	13.71
		For Work In Restricted Working Space, Add	*10.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.15*	
		For Elevated Installation >40' Above Floor, Add	*18.86*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	67.57	16.60
		For Work In Restricted Working Space, Add	*12.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.55*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.79*	
		For Elevated Installation >40' Above Floor, Add	*22.86*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	83.00	20.82
		For Work In Restricted Working Space, Add	*15.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.19*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.98*	
		For Elevated Installation >40' Above Floor, Add	*28.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	107.40	25.56
		For Work In Restricted Working Space, Add	*19.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.39*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.78*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.98*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.37*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.96*	
		For Elevated Installation >40' Above Floor, Add	*35.16*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	133.57	29.99
		For Work In Restricted Working Space, Add	*22.49*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.99*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.49*	
		For Elevated Installation >40' Above Floor, Add	*41.23*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	167.49	36.48
		For Work In Restricted Working Space, Add	*27.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.65*	
		For Elevated Installation >40' Above Floor, Add	*50.21*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	321.22	46.89
		For Work In Restricted Working Space, Add	*35.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*11.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*46.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.63*	
		For Elevated Installation >40' Above Floor, Add	*64.49*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	393.04	54.82
		For Work In Restricted Working Space, Add	*41.13*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.28*	
		For Elevated Installation >25' To 30' Above Floor, Add	*47.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*54.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*68.55*	
		For Elevated Installation >40' Above Floor, Add	*75.41*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	483.21	59.77
		For Work In Restricted Working Space, Add	*44.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*29.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*59.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*74.74*	
		For Elevated Installation >40' Above Floor, Add	*82.21*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	522.91	65.95
		For Work In Restricted Working Space, Add	*49.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.47*	
		For Elevated Installation >40' Above Floor, Add	*90.71*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.47	3.71
		For Work In Restricted Working Space, Add	*2.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.58*	
		For Elevated Installation >40' Above Floor, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.18	3.71
		For Work In Restricted Working Space, Add	*2.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.20*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.58*	
		For Elevated Installation >40' Above Floor, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	12.50	4.02
		For Work In Restricted Working Space, Add	*3.05*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.02*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.09*	
		For Elevated Installation >40' Above Floor, Add	*5.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.05*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	14.55	4.63
		For Work In Restricted Working Space, Add	*3.47*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.05*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.63*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.79*	
		For Elevated Installation >40' Above Floor, Add	*6.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.47*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	20.75	5.57
		For Work In Restricted Working Space, Add	*4.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.00*	
		For Elevated Installation >40' Above Floor, Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.20*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	25.40	6.39
		For Work In Restricted Working Space, Add	*4.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.00*	
		For Elevated Installation >40' Above Floor, Add	*8.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.80*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	33.12	8.04
		For Work In Restricted Working Space, Add	*6.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.00*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.00*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.00*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.00*	
		For Elevated Installation >40' Above Floor, Add	*10.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.00*	

26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	21.97	9.28
		For Work In Restricted Working Space, Add	*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	25.60	10.82
		For Work In Restricted Working Space, Add	*6.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.49*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	31.81	12.36
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	40.65	15.46
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	7.64	2.07
		For >250 To 500, Deduct	*-0.11*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.23*	
		For Installation In Metal Stud Wall, Add	*0.54*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.34*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.80*	
		For Work In Restricted Working Space, Add	*1.61*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.54*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.68*	
		For Elevated Installation >40' Above Floor, Add	*2.94*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	9.12	2.27
		For >250 To 500, Deduct	*-0.14*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000, Deduct	*-0.27*	
		For Installation In Metal Stud Wall, Add	*0.64*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.60*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.96*	
		For Work In Restricted Working Space, Add	*1.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*3.20*	
		For Elevated Installation >40' Above Floor, Add	*3.51*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	12.25	2.48
		For >250 To 500, Deduct	*-0.21*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000, Deduct	*-0.42*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.21*	
		For Work In Restricted Working Space, Add	*2.41*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.02*	
		For Elevated Installation >40' Above Floor, Add	*4.42*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	14.20	4.94
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For Installation In Metal Stud Wall, Add	*0.89*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.22*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.33*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.43*	
		For Elevated Installation >40' Above Floor, Add	*4.87*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	15.99	3.30
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000, Deduct	*-0.63*	
		For Installation In Metal Stud Wall, Add	*0.97*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.42*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.45*	
		For Work In Restricted Working Space, Add	*2.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.97*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.94*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.39*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.88*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.85*	
		For Elevated Installation >40' Above Floor, Add	*5.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	20.29	3.71
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.64*	
		For >1,000, Deduct	*-0.85*	
		For Installation In Metal Stud Wall, Add	*1.18*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.94*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.76*	
		For Work In Restricted Working Space, Add	*3.53*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.35*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.94*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.11*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.88*	
		For Elevated Installation >40' Above Floor, Add	*6.46*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	34.50	4.94
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.89*	
		For Installation In Metal Stud Wall, Add	*1.56*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.89*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.33*	
		For Work In Restricted Working Space, Add	*4.67*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.89*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.45*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.78*	
		For Elevated Installation >40' Above Floor, Add	*8.56*	
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	43.92	6.19
		For >250 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.33*	
		For Installation In Metal Stud Wall, Add	*2.06*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.09*	
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	50.59	7.42
		For >250 To 500, Deduct	*-1.35*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-2.70*	
		For Installation In Metal Stud Wall, Add	*2.36*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.90*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.54*	
		For Work In Restricted Working Space, Add	*7.08*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.80*	
		For Elevated Installation >40' Above Floor, Add	*12.97*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	59.29	8.65
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.38*	
		For >1,000, Deduct	*-3.18*	
		For Installation In Metal Stud Wall, Add	*2.75*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.88*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.13*	
		For Work In Restricted Working Space, Add	*8.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.76*	
		For Elevated Installation >40' Above Floor, Add	*15.14*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*
See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	37.66	10.20
		For Work In Restricted Working Space, Add	*7.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.56*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.80*	
		For Elevated Installation >40' Above Floor, Add	*14.07*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	45.35	12.67
		For Work In Restricted Working Space, Add	*9.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.91*	
		For Elevated Installation >40' Above Floor, Add	*17.50*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	58.05	15.56
		For Work In Restricted Working Space, Add	*11.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.58*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.40*	
		For Elevated Installation >40' Above Floor, Add	*21.34*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	72.03	18.03
		For Work In Restricted Working Space, Add	*13.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.26*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.52*	
		For Elevated Installation >40' Above Floor, Add	*24.77*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	85.83	20.72
		For Work In Restricted Working Space, Add	*15.51*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.17*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.85*	
		For Elevated Installation >40' Above Floor, Add	*28.44*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	106.02	22.77
		For Work In Restricted Working Space, Add	*17.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.44*	
		For Elevated Installation >40' Above Floor, Add	*31.28*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	154.53	28.44
		For Work In Restricted Working Space, Add	*21.33*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.22*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.55*	
		For Elevated Installation >40' Above Floor, Add	*39.11*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	224.57	38.75
		For Work In Restricted Working Space, Add	*29.06*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*33.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*38.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.43*	
		For Elevated Installation >40' Above Floor, Add	*53.27*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	334.73	43.69
		For Work In Restricted Working Space, Add	*32.78*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.93*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*38.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.70*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.63*	
		For Elevated Installation >40' Above Floor, Add	*60.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	403.73	56.89
		For Work In Restricted Working Space, Add	*42.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.09*	
		For Elevated Installation >40' Above Floor, Add	*78.20*	
26 05 33 13-0768		**Intermediate Metal Conduit (IMC) Bushing Sets With Locknut** *(26 05 33 13-0745)*		
26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	14.23	5.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	16.88	0.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	21.96	7.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	26.88	9.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.11*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	30.28	10.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	39.41	12.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	74.79	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	90.76	28.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.02*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	120.87	33.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.04*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	143.10	38.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.06*	
26 05 33 13-0779		**Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings** *(26 05 33 13-0745)*		
		Note: 3-Piece coupling.		
26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	47.74	16.48
		For Work In Restricted Working Space, Add	*12.38*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.32*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.64*	
		For Elevated Installation >40' Above Floor, Add	*22.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.38*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	54.40	18.45
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.52*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.12*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.03*	
		For Elevated Installation >40' Above Floor, Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	67.38	20.51
		For Work In Restricted Working Space, Add	*15.39*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.13*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.26*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.52*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.66*	
		For Elevated Installation >40' Above Floor, Add	*28.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.39*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	85.71	22.46
		For Work In Restricted Working Space, Add	*16.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.65*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.07*	
		For Elevated Installation >40' Above Floor, Add	*30.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	98.54	24.53
		For Work In Restricted Working Space, Add	*18.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.72*	
		For Elevated Installation >40' Above Floor, Add	*33.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.43*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	140.74	26.58
		For Work In Restricted Working Space, Add	*19.96*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.63*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.26*	
		For Elevated Installation >40' Above Floor, Add	*36.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.96*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	241.20	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	345.16	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	512.67	49.47
		For Work In Restricted Working Space, Add	*37.11*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.93*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.86*	
		For Elevated Installation >40' Above Floor, Add	*68.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.11*	
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	594.36	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	27.65	8.24
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.21*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.24*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	31.00	9.06
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	35.68	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	40.93	11.13
		For Work In Restricted Working Space, Add	*8.35*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.57*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.96*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.13*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.92*	
		For Elevated Installation >40' Above Floor, Add	*15.31*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	49.17	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	61.00	13.61
		For Work In Restricted Working Space, Add	*10.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.80*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.90*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.01*	
		For Elevated Installation >40' Above Floor, Add	*18.71*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	84.48	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	104.31	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	125.33	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	142.39	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	23.56	8.24
		For Work In Restricted Working Space, Add	*6.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.06*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.12*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.16*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.25*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.31*	
		For Elevated Installation >40' Above Floor, Add	*11.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.19*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	30.17	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	37.42	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.27*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	45.28	14.43
		For Work In Restricted Working Space, Add	*10.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.04*	
		For Elevated Installation >40' Above Floor, Add	*19.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	53.08	16.48
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.30*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.42*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	63.52	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.91*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	80.25	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	95.37	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	117.15	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	135.43	28.86
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.85*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	168.24	16.48
		For Work In Restricted Working Space, Add	*12.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.62*	
		For Elevated Installation >40' Above Floor, Add	*22.68*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	186.08	18.55
		For Work In Restricted Working Space, Add	*13.91*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.27*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.50*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	206.80	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.77*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	250.36	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	307.51	24.73
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	405.76	26.79
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.83*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	614.60	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	738.48	41.22
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	1,031.45	49.47
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.84*	
		For Elevated Installation >40' Above Floor, Add	*68.02*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,193.83	53.59
		For Work In Restricted Working Space, Add	*40.19*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.40*	
		For Elevated Installation >15' To 20' Above Floor, Add	*26.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*33.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*46.89*	
		For Elevated Installation >30' To 35' Above Floor, Add	*53.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*66.98*	
		For Elevated Installation >40' Above Floor, Add	*73.68*	

26 05 33 13-0823 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*

26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	100.39	25.76
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	119.23	30.91
		For Work In Restricted Working Space, Add	*18.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	145.91	36.07
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	172.02	41.22
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	227.61	46.38
		For Work In Restricted Working Space, Add	*27.82*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.37*	
		For Elevated Installation >40' Above Floor, Add	*51.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	277.79	51.52
		For Work In Restricted Working Space, Add	*30.92*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.31*	
		For Elevated Installation >15' To 20' Above Floor, Add	*20.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*25.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*36.07*	
		For Elevated Installation >30' To 35' Above Floor, Add	*41.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*51.53*	
		For Elevated Installation >40' Above Floor, Add	*56.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	395.15	61.83
		For Work In Restricted Working Space, Add	*37.10*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.83*	
		For Elevated Installation >40' Above Floor, Add	*68.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.10*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	475.90	72.14
		For Work In Restricted Working Space, Add	*43.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*14.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.85*	
		For Elevated Installation >20' To 25' Above Floor, Add	*36.07*	
		For Elevated Installation >25' To 30' Above Floor, Add	*50.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*57.71*	
		For Elevated Installation >35' To 40' Above Floor, Add	*72.14*	
		For Elevated Installation >40' Above Floor, Add	*79.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.28*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,121.33	82.44
		For Work In Restricted Working Space, Add	*49.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*16.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*32.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*41.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*57.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*65.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*82.44*	
		For Elevated Installation >40' Above Floor, Add	*90.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.46*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,292.45	92.74
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-0834		Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*		
26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	14.03	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	19.55	7.01
		For Work In Restricted Working Space, Add	*5.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.51*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.14*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.77*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	25.67	9.06
		For Work In Restricted Working Space, Add	*6.80*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.66*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.33*	
		For Elevated Installation >40' Above Floor, Add	*12.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	29.54	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.89*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	35.66	12.36
		For Work In Restricted Working Space, Add	*9.27*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.45*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	41.32	14.02
		For Work In Restricted Working Space, Add	*10.52*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.51*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.53*	
		For Elevated Installation >40' Above Floor, Add	*19.28*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	53.04	15.66
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.53*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	63.29	17.73
		For Work In Restricted Working Space, Add	*13.30*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.16*	
		For Elevated Installation >40' Above Floor, Add	*24.38*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	73.81	19.37
		For Work In Restricted Working Space, Add	*14.54*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.85*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.96*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.23*	
		For Elevated Installation >40' Above Floor, Add	*26.65*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	77.07	20.61
		For Work In Restricted Working Space, Add	*15.45*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.60*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.33*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	7.02	2.07
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	8.09	2.07
		For Work In Restricted Working Space, Add	*1.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*0.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.03*	
		For Elevated Installation >20' To 25' Above Floor, Add	*1.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*1.80*	
		For Elevated Installation >30' To 35' Above Floor, Add	*2.06*	
		For Elevated Installation >35' To 40' Above Floor, Add	*2.58*	
		For Elevated Installation >40' Above Floor, Add	*2.83*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0059)* Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0848)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850		LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	12.62	2.89
			For >250 To 500, Deduct	*-0.45*	
			For >500 To 1,000, Deduct	*-0.77*	
			For >1,000, Deduct	*-1.08*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.72*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.44*	
			For Elevated Installation >20' To 25' Above Floor, Add	*1.80*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.52*	
			For Elevated Installation >30' To 35' Above Floor, Add	*2.88*	
			For Elevated Installation >35' To 40' Above Floor, Add	*3.61*	
			For Elevated Installation >40' Above Floor, Add	*3.97*	
			For Work In Restricted Working Space, Add	*2.16*	
26 05 33 13-0851		LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	14.50	3.30
			For >250 To 500, Deduct	*-0.52*	
			For >500 To 1,000, Deduct	*-0.88*	
			For >1,000, Deduct	*-1.24*	
			For Elevated Installation >10' To 15' Above Floor, Add	*0.82*	
			For Elevated Installation >15' To 20' Above Floor, Add	*1.65*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.06*	
			For Elevated Installation >25' To 30' Above Floor, Add	*2.88*	
			For Elevated Installation >30' To 35' Above Floor, Add	*3.30*	
			For Elevated Installation >35' To 40' Above Floor, Add	*4.12*	
			For Elevated Installation >40' Above Floor, Add	*4.53*	
			For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-0852		LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	18.42	4.12
			For >250 To 500, Deduct	*-0.66*	
			For >500 To 1,000, Deduct	*-1.12*	
			For >1,000, Deduct	*-1.58*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.03*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.06*	
			For Elevated Installation >20' To 25' Above Floor, Add	*2.58*	
			For Elevated Installation >25' To 30' Above Floor, Add	*3.61*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.12*	
			For Elevated Installation >35' To 40' Above Floor, Add	*5.16*	
			For Elevated Installation >40' Above Floor, Add	*5.67*	
			For Work In Restricted Working Space, Add	*3.09*	
26 05 33 13-0853		LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	22.64	4.94
			For >250 To 500, Deduct	*-0.82*	
			For >500 To 1,000, Deduct	*-1.39*	
			For >1,000, Deduct	*-1.96*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
			For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
			For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
			For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
			For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
			For Elevated Installation >40' Above Floor, Add	*6.80*	
			For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-0854		LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	27.96	6.19
			For >250 To 500, Deduct	*-1.01*	
			For >500 To 1,000, Deduct	*-1.71*	
			For >1,000, Deduct	*-2.41*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.55*	
			For Elevated Installation >15' To 20' Above Floor, Add	*3.09*	
			For Elevated Installation >20' To 25' Above Floor, Add	*3.87*	
			For Elevated Installation >25' To 30' Above Floor, Add	*5.41*	
			For Elevated Installation >30' To 35' Above Floor, Add	*6.18*	
			For Elevated Installation >35' To 40' Above Floor, Add	*7.73*	
			For Elevated Installation >40' Above Floor, Add	*8.50*	
			For Work In Restricted Working Space, Add	*4.64*	
26 05 33 13-0855		LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	34.84	7.42
			For >250 To 500, Deduct	*-1.28*	
			For >500 To 1,000, Deduct	*-2.15*	
			For >1,000, Deduct	*-3.02*	
			For Elevated Installation >10' To 15' Above Floor, Add	*1.86*	
			For Elevated Installation >15' To 20' Above Floor, Add	*3.71*	
			For Elevated Installation >20' To 25' Above Floor, Add	*4.64*	
			For Elevated Installation >25' To 30' Above Floor, Add	*6.49*	
			For Elevated Installation >30' To 35' Above Floor, Add	*7.42*	
			For Elevated Installation >35' To 40' Above Floor, Add	*9.28*	
			For Elevated Installation >40' Above Floor, Add	*10.20*	
			For Work In Restricted Working Space, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	46.34	8.65
		For >250 To 500, Deduct	*-1.78*	
		For >500 To 1,000, Deduct	*-2.93*	
		For >1,000, Deduct	*-4.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.41*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.57*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.82*	
		For Elevated Installation >40' Above Floor, Add	*11.90*	
		For Work In Restricted Working Space, Add	*6.49*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	57.94	10.72
		For >250 To 500, Deduct	*-2.23*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-5.12*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.68*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.36*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.70*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.38*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*13.40*	
		For Elevated Installation >40' Above Floor, Add	*14.73*	
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	71.08	13.19
		For >250 To 500, Deduct	*-2.73*	
		For >500 To 1,000, Deduct	*-4.51*	
		For >1,000, Deduct	*-6.28*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.25*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.19*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.49*	
		For Elevated Installation >40' Above Floor, Add	*18.14*	
		For Work In Restricted Working Space, Add	*9.89*	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	84.08	15.66
		For >250 To 500, Deduct	*-3.23*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000, Deduct	*-7.43*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	
		For Work In Restricted Working Space, Add	*11.75*	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	125.99	18.55
		For >250 To 500, Deduct	*-5.14*	
		For >500 To 1,000, Deduct	*-8.29*	
		For >1,000, Deduct	*-11.44*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.55*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.19*	
		For Elevated Installation >40' Above Floor, Add	*25.51*	
		For Work In Restricted Working Space, Add	*13.91*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	170.92	24.73
		For >250 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-11.27*	
		For >1,000, Deduct	*-15.55*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Work In Restricted Working Space, Add	*18.55*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	18.07	6.19
		For Elevated Installation >10' To 15' Above Floor, Add	*1.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.09*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.18*	
		For Elevated Installation >40' Above Floor, Add	*6.80*	
		For Work In Restricted Working Space, Add	*3.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	23.50	8.76
		For Elevated Installation >10' To 15' Above Floor, Add	*1.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.01*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.76*	
		For Elevated Installation >40' Above Floor, Add	*9.64*	
		For Work In Restricted Working Space, Add	*5.26*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	30.43	11.33
		For Elevated Installation >10' To 15' Above Floor, Add	*2.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.53*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.07*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.34*	
		For Elevated Installation >40' Above Floor, Add	*12.47*	
		For Work In Restricted Working Space, Add	*6.80*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	34.82	12.89
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Work In Restricted Working Space, Add	*7.73*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	41.68	15.46
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Work In Restricted Working Space, Add	*9.27*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	50.80	17.52
		For Elevated Installation >10' To 15' Above Floor, Add	*3.50*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.76*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*17.52*	
		For Elevated Installation >40' Above Floor, Add	*19.27*	
		For Work In Restricted Working Space, Add	*10.51*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	78.17	17.52
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	
		For Work In Restricted Working Space, Add	*11.75*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	91.68	24.22
		For Elevated Installation >10' To 15' Above Floor, Add	*4.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.16*	
		For Elevated Installation >40' Above Floor, Add	*24.37*	
		For Work In Restricted Working Space, Add	*13.29*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	109.20	24.22
		For Elevated Installation >10' To 15' Above Floor, Add	*4.84*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.69*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.95*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.22*	
		For Elevated Installation >40' Above Floor, Add	*26.64*	
		For Work In Restricted Working Space, Add	*14.53*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	122.58	25.76
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Work In Restricted Working Space, Add	*15.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	293.37	30.91
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Work In Restricted Working Space, Add	*18.55*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	330.78	36.07
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Work In Restricted Working Space, Add	*21.64*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	53.50	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	62.30	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	74.73	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	88.22	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	102.96	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	123.89	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	187.03	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	277.10	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	340.37	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	394.55	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	806.72	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,265.02	226.41
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	
		For Work In Restricted Working Space, Add	*135.84*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	121.90	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	137.46	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	156.87	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	186.10	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	257.44	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	134.65	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	158.53	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	171.98	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	219.05	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	289.22	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	371.33	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	149.90	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	169.51	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	191.37	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	229.98	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	325.73	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	414.20	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	519.89	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	590.13	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	176.25	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	195.28	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	220.62	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	272.11	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	391.07	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	486.83	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	564.23	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	671.54	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	196.74	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	219.26	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	249.42	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	308.78	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	426.73	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	544.92	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	672.05	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	746.27	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,242.99	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	223.55	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	248.24	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	280.98	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	349.45	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	486.14	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	618.93	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	726.08	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	842.75	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,310.60	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,799.27	226.41
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	
		For Work In Restricted Working Space, Add	*135.84*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	260.87	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	274.07	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	323.22	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	406.06	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	566.26	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	718.71	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	876.28	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,030.43	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,531.14	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,900.51	226.41
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	
		For Work In Restricted Working Space, Add	*135.84*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	269.86	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	317.77	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	359.75	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	423.09	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	586.27	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	749.40	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	958.08	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,072.99	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,590.39	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,951.94	226.41
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	
		For Work In Restricted Working Space, Add	*135.84*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	100.78	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	123.56	22.10
		For Elevated Installation >10' To 15' Above Floor, Add	*4.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.11*	
		For Elevated Installation >40' Above Floor, Add	*24.32*	
		For Work In Restricted Working Space, Add	*13.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	164.23	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	268.18	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.68*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	296.23	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	373.62	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,011.21	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,207.91	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.27*	
		For Work In Restricted Working Space, Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,606.03	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.43*	
		For Elevated Installation >40' Above Floor, Add	*101.67*	
		For Work In Restricted Working Space, Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.46*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	96.69	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	118.94	22.10
		For Elevated Installation >10' To 15' Above Floor, Add	*4.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.11*	
		For Elevated Installation >40' Above Floor, Add	*24.32*	
		For Work In Restricted Working Space, Add	*13.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	164.23	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	265.80	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.68*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	286.64	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	373.73	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	970.29	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,178.06	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.27*	
		For Work In Restricted Working Space, Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.78*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,605.96	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.43*	
		For Elevated Installation >40' Above Floor, Add	*101.67*	
		For Work In Restricted Working Space, Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.46*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	87.63	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	105.19	22.10
		For Elevated Installation >10' To 15' Above Floor, Add	*4.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.11*	
		For Elevated Installation >40' Above Floor, Add	*24.32*	
		For Work In Restricted Working Space, Add	*13.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	124.05	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	175.38	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.68*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	204.75	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	314.55	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	856.32	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	965.19	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.27*	
		For Work In Restricted Working Space, Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.78*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,234.02	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.43*	
		For Elevated Installation >40' Above Floor, Add	*101.67*	
		For Work In Restricted Working Space, Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.46*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	148.22	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	223.02	22.10
		For Elevated Installation >10' To 15' Above Floor, Add	*4.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.11*	
		For Elevated Installation >40' Above Floor, Add	*24.32*	
		For Work In Restricted Working Space, Add	*13.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	280.09	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	323.32	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	367.20	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	482.36	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,509.37	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,763.49	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.27*	
		For Work In Restricted Working Space, Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.78*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,170.06	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.43*	
		For Elevated Installation >40' Above Floor, Add	*101.67*	
		For Work In Restricted Working Space, Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.46*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	164.30	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	238.20	22.10
		For Elevated Installation >10' To 15' Above Floor, Add	*4.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.11*	
		For Elevated Installation >40' Above Floor, Add	*24.32*	
		For Work In Restricted Working Space, Add	*13.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	282.98	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	328.08	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.68*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	380.25	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	597.12	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,682.52	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,367.99	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.27*	
		For Work In Restricted Working Space, Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.78*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,476.08	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.43*	
		For Elevated Installation >40' Above Floor, Add	*101.67*	
		For Work In Restricted Working Space, Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.46*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	130.50	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	164.79	22.10
		For Elevated Installation >10' To 15' Above Floor, Add	*4.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*17.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.11*	
		For Elevated Installation >40' Above Floor, Add	*24.32*	
		For Work In Restricted Working Space, Add	*13.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.26*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	197.30	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.27*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	218.78	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.68*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	293.83	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	413.96	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,365.96	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,539.25	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.27*	
		For Work In Restricted Working Space, Add	*37.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.78*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,831.49	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.43*	
		For Elevated Installation >40' Above Floor, Add	*101.67*	
		For Work In Restricted Working Space, Add	*55.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.46*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	120.35	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	135.82	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	167.54	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	218.48	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.78*	
		For Work In Restricted Working Space, Add	*29.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	254.55	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	345.89	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.58*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	579.61	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.26*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	742.75	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.58*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.35*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,030.19	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.43*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,183.97	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.12*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	157.25	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.41*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	179.09	46.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.38*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.76*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.51*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.89*	
		For Elevated Installation >40' Above Floor, Add	*51.58*	
		For Work In Restricted Working Space, Add	*28.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036		EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	218.06	51.58
			For Elevated Installation >10' To 15' Above Floor, Add	*10.32*	
			For Elevated Installation >15' To 20' Above Floor, Add	*20.63*	
			For Elevated Installation >20' To 25' Above Floor, Add	*25.79*	
			For Elevated Installation >25' To 30' Above Floor, Add	*36.10*	
			For Elevated Installation >30' To 35' Above Floor, Add	*41.26*	
			For Elevated Installation >35' To 40' Above Floor, Add	*51.58*	
			For Elevated Installation >40' Above Floor, Add	*56.73*	
			For Work In Restricted Working Space, Add	*30.95*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.95*	
26 05 33 13-1037		EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	292.01	58.94
			For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
			For Elevated Installation >15' To 20' Above Floor, Add	*23.58*	
			For Elevated Installation >20' To 25' Above Floor, Add	*29.47*	
			For Elevated Installation >25' To 30' Above Floor, Add	*41.26*	
			For Elevated Installation >30' To 35' Above Floor, Add	*47.16*	
			For Elevated Installation >35' To 40' Above Floor, Add	*58.95*	
			For Elevated Installation >40' Above Floor, Add	*64.84*	
			For Work In Restricted Working Space, Add	*35.37*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.37*	
26 05 33 13-1038		EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	344.44	64.31
			For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
			For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
			For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
			For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
			For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
			For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
			For Elevated Installation >40' Above Floor, Add	*70.74*	
			For Work In Restricted Working Space, Add	*38.58*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.58*	
26 05 33 13-1039		EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	468.09	79.04
			For Elevated Installation >10' To 15' Above Floor, Add	*15.81*	
			For Elevated Installation >15' To 20' Above Floor, Add	*31.62*	
			For Elevated Installation >20' To 25' Above Floor, Add	*39.52*	
			For Elevated Installation >25' To 30' Above Floor, Add	*55.33*	
			For Elevated Installation >30' To 35' Above Floor, Add	*63.23*	
			For Elevated Installation >35' To 40' Above Floor, Add	*79.04*	
			For Elevated Installation >40' Above Floor, Add	*86.94*	
			For Work In Restricted Working Space, Add	*47.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.42*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041		EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	138.36	36.84
			For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
			For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
			For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
			For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
			For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
			For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
			For Elevated Installation >40' Above Floor, Add	*40.52*	
			For Work In Restricted Working Space, Add	*22.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1042		EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	157.97	42.87
			For Elevated Installation >10' To 15' Above Floor, Add	*8.57*	
			For Elevated Installation >15' To 20' Above Floor, Add	*17.15*	
			For Elevated Installation >20' To 25' Above Floor, Add	*21.44*	
			For Elevated Installation >25' To 30' Above Floor, Add	*30.01*	
			For Elevated Installation >30' To 35' Above Floor, Add	*34.30*	
			For Elevated Installation >35' To 40' Above Floor, Add	*42.87*	
			For Elevated Installation >40' Above Floor, Add	*47.16*	
			For Work In Restricted Working Space, Add	*25.72*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.72*	
26 05 33 13-1043		EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	190.56	46.89
			For Elevated Installation >10' To 15' Above Floor, Add	*9.38*	
			For Elevated Installation >15' To 20' Above Floor, Add	*18.76*	
			For Elevated Installation >20' To 25' Above Floor, Add	*23.45*	
			For Elevated Installation >25' To 30' Above Floor, Add	*32.82*	
			For Elevated Installation >30' To 35' Above Floor, Add	*37.51*	
			For Elevated Installation >35' To 40' Above Floor, Add	*46.89*	
			For Elevated Installation >40' Above Floor, Add	*51.58*	
			For Work In Restricted Working Space, Add	*28.13*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.13*	
26 05 33 13-1044		EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	243.41	53.59
			For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
			For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
			For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
			For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
			For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
			For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
			For Elevated Installation >40' Above Floor, Add	*58.94*	
			For Work In Restricted Working Space, Add	*32.15*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	288.03	58.94
		For Elevated Installation >10' To 15' Above Floor, Add	*11.79*	
		For Elevated Installation >15' To 20' Above Floor, Add	*23.58*	
		For Elevated Installation >20' To 25' Above Floor, Add	*29.47*	
		For Elevated Installation >25' To 30' Above Floor, Add	*41.26*	
		For Elevated Installation >30' To 35' Above Floor, Add	*47.16*	
		For Elevated Installation >35' To 40' Above Floor, Add	*58.95*	
		For Elevated Installation >40' Above Floor, Add	*64.84*	
		For Work In Restricted Working Space, Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*35.37*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	385.06	68.99
		For Elevated Installation >10' To 15' Above Floor, Add	*13.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.60*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*48.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*55.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*69.00*	
		For Elevated Installation >40' Above Floor, Add	*75.89*	
		For Work In Restricted Working Space, Add	*41.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.40*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	618.31	100.47
		For Elevated Installation >10' To 15' Above Floor, Add	*20.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*40.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*50.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*70.34*	
		For Elevated Installation >30' To 35' Above Floor, Add	*80.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*100.48*	
		For Elevated Installation >40' Above Floor, Add	*110.53*	
		For Work In Restricted Working Space, Add	*60.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	818.15	130.62
		For Elevated Installation >10' To 15' Above Floor, Add	*26.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*52.25*	
		For Elevated Installation >20' To 25' Above Floor, Add	*65.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*91.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*104.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*130.62*	
		For Elevated Installation >40' Above Floor, Add	*143.68*	
		For Work In Restricted Working Space, Add	*78.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.37*	
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,121.99	160.76
		For Elevated Installation >10' To 15' Above Floor, Add	*32.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*64.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*80.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*112.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*128.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*160.76*	
		For Elevated Installation >40' Above Floor, Add	*176.84*	
		For Work In Restricted Working Space, Add	*96.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*96.46*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,255.59	193.58
		For Elevated Installation >10' To 15' Above Floor, Add	*38.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*77.44*	
		For Elevated Installation >20' To 25' Above Floor, Add	*96.80*	
		For Elevated Installation >25' To 30' Above Floor, Add	*135.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*154.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*193.59*	
		For Elevated Installation >40' Above Floor, Add	*212.95*	
		For Work In Restricted Working Space, Add	*116.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.15*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	27.91	4.02
		For Elevated Installation >10' To 15' Above Floor, Add	*0.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.02*	
		For Elevated Installation >40' Above Floor, Add	*4.42*	
		For Work In Restricted Working Space, Add	*2.41*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	31.33	4.69
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.69*	
		For Elevated Installation >40' Above Floor, Add	*5.16*	
		For Work In Restricted Working Space, Add	*2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	40.84	6.03
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.03*	
		For Elevated Installation >40' Above Floor, Add	*6.63*	
		For Work In Restricted Working Space, Add	*3.62*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	52.50	7.37
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.37*	
		For Elevated Installation >40' Above Floor, Add	*8.11*	
		For Work In Restricted Working Space, Add	*4.42*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	58.83	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	72.73	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	93.94	11.39
		For Elevated Installation >10' To 15' Above Floor, Add	*2.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.97*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.11*	
		For Elevated Installation >35' To 40' Above Floor, Add	*11.39*	
		For Elevated Installation >40' Above Floor, Add	*12.52*	
		For Work In Restricted Working Space, Add	*6.83*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	103.32	16.07
		For Elevated Installation >10' To 15' Above Floor, Add	*3.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.08*	
		For Elevated Installation >40' Above Floor, Add	*17.68*	
		For Work In Restricted Working Space, Add	*9.65*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	125.41	18.09
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	134.78	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	135.41	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	150.14	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	175.24	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	207.82	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	257.55	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	312.04	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.58*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	451.46	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.26*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	579.60	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.34*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,145.73	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,672.19	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.12*	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	227.96	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	245.83	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	280.75	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	314.53	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	380.40	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	428.89	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.58*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	603.40	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	839.79	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.34*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,221.29	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.43*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,771.07	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.12*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	183.41	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	195.94	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	225.10	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	251.42	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	343.65	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	431.11	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.58*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	668.01	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.26*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	971.25	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.34*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,221.29	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*90.43*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	241.04	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	267.65	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	331.21	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	407.86	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1099	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	564.68	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	
26 05 33 13-1100	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	676.77	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.58*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	47.41	12.89
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Work In Restricted Working Space, Add	*7.73*	
26 05 33 13-1103	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	62.64	15.46
		For Elevated Installation >10' To 15' Above Floor, Add	*3.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.46*	
		For Elevated Installation >40' Above Floor, Add	*17.00*	
		For Work In Restricted Working Space, Add	*9.27*	
26 05 33 13-1104	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	79.74	20.61
		For Elevated Installation >10' To 15' Above Floor, Add	*4.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.24*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.31*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.43*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.49*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.61*	
		For Elevated Installation >40' Above Floor, Add	*22.67*	
		For Work In Restricted Working Space, Add	*12.37*	
26 05 33 13-1105	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	109.34	25.76
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Work In Restricted Working Space, Add	*15.46*	
26 05 33 13-1106	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	143.05	30.91
		For Elevated Installation >10' To 15' Above Floor, Add	*6.18*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.46*	
		For Elevated Installation >25' To 30' Above Floor, Add	*21.64*	
		For Elevated Installation >30' To 35' Above Floor, Add	*24.73*	
		For Elevated Installation >35' To 40' Above Floor, Add	*30.92*	
		For Elevated Installation >40' Above Floor, Add	*34.01*	
		For Work In Restricted Working Space, Add	*18.55*	
26 05 33 13-1107	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	243.88	36.07
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Work In Restricted Working Space, Add	*21.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	352.82	41.22
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Work In Restricted Working Space, Add	*24.73*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	439.47	46.38
		For Elevated Installation >10' To 15' Above Floor, Add	*9.27*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.55*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.19*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.46*	
		For Elevated Installation >30' To 35' Above Floor, Add	*37.10*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.37*	
		For Elevated Installation >40' Above Floor, Add	*51.01*	
		For Work In Restricted Working Space, Add	*27.82*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	610.27	54.10
		For Elevated Installation >10' To 15' Above Floor, Add	*10.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*27.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*43.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*54.11*	
		For Elevated Installation >40' Above Floor, Add	*59.52*	
		For Work In Restricted Working Space, Add	*32.46*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	740.43	61.83
		For Elevated Installation >10' To 15' Above Floor, Add	*12.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.73*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.92*	
		For Elevated Installation >25' To 30' Above Floor, Add	*43.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*49.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*61.83*	
		For Elevated Installation >40' Above Floor, Add	*68.01*	
		For Work In Restricted Working Space, Add	*37.10*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,184.91	97.90
		For Elevated Installation >10' To 15' Above Floor, Add	*19.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*39.16*	
		For Elevated Installation >20' To 25' Above Floor, Add	*48.95*	
		For Elevated Installation >25' To 30' Above Floor, Add	*68.53*	
		For Elevated Installation >30' To 35' Above Floor, Add	*78.32*	
		For Elevated Installation >35' To 40' Above Floor, Add	*97.90*	
		For Elevated Installation >40' Above Floor, Add	*107.68*	
		For Work In Restricted Working Space, Add	*58.74*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,621.95	149.43
		For Elevated Installation >10' To 15' Above Floor, Add	*29.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*59.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*74.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*104.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*119.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*149.43*	
		For Elevated Installation >40' Above Floor, Add	*164.37*	
		For Work In Restricted Working Space, Add	*89.66*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	173.24	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	204.45	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.05*	
		For Work In Restricted Working Space, Add	*21.30*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	226.03	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	323.17	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	424.74	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	459.37	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,076.19	89.08
		For Elevated Installation >10' To 15' Above Floor, Add	*17.82*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.64*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.55*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.36*	
		For Elevated Installation >30' To 35' Above Floor, Add	*71.27*	
		For Elevated Installation >35' To 40' Above Floor, Add	*89.09*	
		For Elevated Installation >40' Above Floor, Add	*98.00*	
		For Work In Restricted Working Space, Add	*53.45*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,139.37	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.12*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.58*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.35*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,857.30	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.72*	
		For Elevated Installation >40' Above Floor, Add	*165.79*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,938.04	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.42*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.84*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.55*	
		For Elevated Installation >40' Above Floor, Add	*201.90*	
		For Work In Restricted Working Space, Add	*110.13*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	250.77	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	285.69	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	559.54	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	587.61	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	801.44	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	855.81	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,641.05	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,730.20	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,531.24	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1135	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,867.95	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	
26 05 33 13-1136		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*		
26 05 33 13-1137	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	96.78	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1138	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	112.79	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1139	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	134.47	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	158.65	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1141		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*		
26 05 33 13-1142	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	76.59	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1143	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	88.55	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1144		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	122.66	25.45
			For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
			For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
			For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
			For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
			For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
			For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
			For Elevated Installation >40' Above Floor, Add	*28.00*	
			For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-1145		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	158.74	29.47
			For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
			For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
			For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
			For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
			For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
			For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
			For Elevated Installation >40' Above Floor, Add	*32.42*	
			For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1146		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	193.19	33.49
			For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
			For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
			For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
			For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
			For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
			For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
			For Elevated Installation >40' Above Floor, Add	*36.84*	
			For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-1147		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	276.61	36.84
			For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
			For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
			For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
			For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
			For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
			For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
			For Elevated Installation >40' Above Floor, Add	*40.52*	
			For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1148		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	377.58	46.22
			For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
			For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
			For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
			For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
			For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
			For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
			For Elevated Installation >40' Above Floor, Add	*50.84*	
			For Work In Restricted Working Space, Add	*27.73*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	96.83	16.75
			For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
			For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
			For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
			For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
			For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
			For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
			For Elevated Installation >40' Above Floor, Add	*18.42*	
			For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1151		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	115.59	20.77
			For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
			For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
			For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
			For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
			For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
			For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
			For Elevated Installation >40' Above Floor, Add	*22.84*	
			For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1152		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	134.49	25.45
			For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
			For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
			For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
			For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
			For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
			For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
			For Elevated Installation >40' Above Floor, Add	*28.00*	
			For Work In Restricted Working Space, Add	*15.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	158.70	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	76.66	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	88.55	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	114.29	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	142.50	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	166.74	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	191.88	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	355.97	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	409.05	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	441.65	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	545.37	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	160.16	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	173.30	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.10*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	189.91	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.32*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	254.24	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.34*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	322.56	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	192.16	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	207.27	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	242.18	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	344.96	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	557.63	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	603.22	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
26 05 33 13-1178		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	210.33	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	237.56	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	259.46	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	362.52	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	599.53	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	641.67	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	210.47	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	232.20	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	276.15	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	375.90	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	619.49	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	666.28	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	260.75	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	288.10	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	312.50	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	782.27	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	126.68	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	139.42	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	155.78	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	140.31	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	151.34	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	172.35	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	133.12	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	146.68	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	160.79	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	149.53	32.15
		For Elevated Installation >10' To 15' Above Floor, Add	*6.43*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.86*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.08*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.72*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.16*	
		For Elevated Installation >40' Above Floor, Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	163.25	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	184.60	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	46.63	4.02
		For Elevated Installation >10' To 15' Above Floor, Add	*0.80*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.61*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*2.81*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.02*	
		For Elevated Installation >40' Above Floor, Add	*4.42*	
		For Work In Restricted Working Space, Add	*2.41*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	63.36	4.69
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.69*	
		For Elevated Installation >40' Above Floor, Add	*5.16*	
		For Work In Restricted Working Space, Add	*2.81*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	59.82	4.69
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.69*	
		For Elevated Installation >40' Above Floor, Add	*5.16*	
		For Work In Restricted Working Space, Add	*2.81*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	53.22	4.69
		For Elevated Installation >10' To 15' Above Floor, Add	*0.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*1.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.28*	
		For Elevated Installation >30' To 35' Above Floor, Add	*3.75*	
		For Elevated Installation >35' To 40' Above Floor, Add	*4.69*	
		For Elevated Installation >40' Above Floor, Add	*5.16*	
		For Work In Restricted Working Space, Add	*2.81*	
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	258.34	6.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Work In Restricted Working Space, Add	*4.02*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	229.69	6.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Work In Restricted Working Space, Add	*4.02*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies *(26 05 33 13-0848)*			
		Note: Includes covers.			
26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		272.45	42.20
		For Elevated Installation >10' To 15' Above Floor, Add		*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add		*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add		*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add		*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add		*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add		*42.20*	
		For Elevated Installation >40' Above Floor, Add		*46.42*	
		For Work In Restricted Working Space, Add		*25.32*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		306.14	48.89
		For Elevated Installation >10' To 15' Above Floor, Add		*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add		*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add		*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add		*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add		*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add		*48.90*	
		For Elevated Installation >40' Above Floor, Add		*53.79*	
		For Work In Restricted Working Space, Add		*29.34*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		421.69	53.59
		For Elevated Installation >10' To 15' Above Floor, Add		*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add		*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add		*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add		*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add		*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add		*53.59*	
		For Elevated Installation >40' Above Floor, Add		*58.94*	
		For Work In Restricted Working Space, Add		*32.15*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		502.52	64.31
		For Elevated Installation >10' To 15' Above Floor, Add		*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add		*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add		*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add		*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add		*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add		*64.31*	
		For Elevated Installation >40' Above Floor, Add		*70.74*	
		For Work In Restricted Working Space, Add		*38.58*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		725.78	90.43
		For Elevated Installation >10' To 15' Above Floor, Add		*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add		*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add		*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add		*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add		*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add		*90.43*	
		For Elevated Installation >40' Above Floor, Add		*99.47*	
		For Work In Restricted Working Space, Add		*54.26*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		916.25	120.57
		For Elevated Installation >10' To 15' Above Floor, Add		*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add		*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add		*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add		*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add		*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add		*120.57*	
		For Elevated Installation >40' Above Floor, Add		*132.63*	
		For Work In Restricted Working Space, Add		*72.34*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		1,341.17	150.71
		For Elevated Installation >10' To 15' Above Floor, Add		*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add		*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add		*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add		*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add		*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add		*150.71*	
		For Elevated Installation >40' Above Floor, Add		*165.78*	
		For Work In Restricted Working Space, Add		*90.43*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body		1,663.90	183.53
		For Elevated Installation >10' To 15' Above Floor, Add		*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add		*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add		*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add		*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add		*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add		*183.54*	
		For Elevated Installation >40' Above Floor, Add		*201.89*	
		For Work In Restricted Working Space, Add		*110.12*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body		272.45	42.20
		For Elevated Installation >10' To 15' Above Floor, Add		*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add		*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add		*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add		*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add		*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add		*42.20*	
		For Elevated Installation >40' Above Floor, Add		*46.42*	
		For Work In Restricted Working Space, Add		*25.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	306.14	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	420.53	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	490.85	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	736.52	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	964.46	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,399.36	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,700.13	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	272.45	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	306.14	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	420.53	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	490.85	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	736.52	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	964.46	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,399.36	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,700.13	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	272.45	42.20
		For Elevated Installation >10' To 15' Above Floor, Add	*8.44*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.88*	
		For Elevated Installation >20' To 25' Above Floor, Add	*21.10*	
		For Elevated Installation >25' To 30' Above Floor, Add	*29.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*33.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*42.20*	
		For Elevated Installation >40' Above Floor, Add	*46.42*	
		For Work In Restricted Working Space, Add	*25.32*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	306.14	48.89
		For Elevated Installation >10' To 15' Above Floor, Add	*9.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*48.90*	
		For Elevated Installation >40' Above Floor, Add	*53.79*	
		For Work In Restricted Working Space, Add	*29.34*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	421.69	53.59
		For Elevated Installation >10' To 15' Above Floor, Add	*10.72*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.87*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.59*	
		For Elevated Installation >40' Above Floor, Add	*58.94*	
		For Work In Restricted Working Space, Add	*32.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	497.13	64.31
		For Elevated Installation >10' To 15' Above Floor, Add	*12.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*32.15*	
		For Elevated Installation >25' To 30' Above Floor, Add	*45.01*	
		For Elevated Installation >30' To 35' Above Floor, Add	*51.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*64.31*	
		For Elevated Installation >40' Above Floor, Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.58*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	725.78	90.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*45.21*	
		For Elevated Installation >25' To 30' Above Floor, Add	*63.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*72.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*90.43*	
		For Elevated Installation >40' Above Floor, Add	*99.47*	
		For Work In Restricted Working Space, Add	*54.26*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	916.25	120.57
		For Elevated Installation >10' To 15' Above Floor, Add	*24.11*	
		For Elevated Installation >15' To 20' Above Floor, Add	*48.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*60.29*	
		For Elevated Installation >25' To 30' Above Floor, Add	*84.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*96.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*120.57*	
		For Elevated Installation >40' Above Floor, Add	*132.63*	
		For Work In Restricted Working Space, Add	*72.34*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,341.17	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,678.99	183.53
		For Elevated Installation >10' To 15' Above Floor, Add	*36.71*	
		For Elevated Installation >15' To 20' Above Floor, Add	*73.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*91.77*	
		For Elevated Installation >25' To 30' Above Floor, Add	*128.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*146.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*183.54*	
		For Elevated Installation >40' Above Floor, Add	*201.89*	
		For Work In Restricted Working Space, Add	*110.12*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	134.57	6.03
		For Elevated Installation >10' To 15' Above Floor, Add	*1.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.41*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.01*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.22*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.82*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.03*	
		For Elevated Installation >40' Above Floor, Add	*6.63*	
		For Work In Restricted Working Space, Add	*3.62*	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	135.92	6.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Work In Restricted Working Space, Add	*4.02*	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	192.13	9.38
		For Elevated Installation >10' To 15' Above Floor, Add	*1.88*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.75*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.50*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.38*	
		For Elevated Installation >40' Above Floor, Add	*10.31*	
		For Work In Restricted Working Space, Add	*5.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	194.82	10.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.29*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.72*	
		For Elevated Installation >40' Above Floor, Add	*11.79*	
		For Work In Restricted Working Space, Add	*6.43*	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	340.06	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	346.76	16.07
		For Elevated Installation >10' To 15' Above Floor, Add	*3.22*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.08*	
		For Elevated Installation >40' Above Floor, Add	*17.68*	
		For Work In Restricted Working Space, Add	*9.65*	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	521.92	18.09
		For Elevated Installation >10' To 15' Above Floor, Add	*3.62*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*12.66*	
		For Elevated Installation >30' To 35' Above Floor, Add	*14.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.09*	
		For Elevated Installation >40' Above Floor, Add	*19.89*	
		For Work In Restricted Working Space, Add	*10.85*	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	532.64	23.44
		For Elevated Installation >10' To 15' Above Floor, Add	*4.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.45*	
		For Elevated Installation >40' Above Floor, Add	*25.79*	
		For Work In Restricted Working Space, Add	*14.07*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	232.12	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1262	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	274.32	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1263	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	324.76	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	399.96	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	534.33	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	739.25	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,055.40	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,312.65	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,840.70	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,122.08	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	368.20	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	382.55	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	429.78	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	519.98	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	630.16	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	805.22	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,188.29	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,490.23	62.96
		For Elevated Installation >10' To 15' Above Floor, Add	*12.59*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.48*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.37*	
		For Elevated Installation >35' To 40' Above Floor, Add	*62.97*	
		For Elevated Installation >40' Above Floor, Add	*69.26*	
		For Work In Restricted Working Space, Add	*37.78*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,898.03	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,375.99	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	76.84	8.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.04*	
		For Elevated Installation >40' Above Floor, Add	*8.84*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1284	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	83.43	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1285	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	91.87	12.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.06*	
		For Elevated Installation >40' Above Floor, Add	*13.27*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1286	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	104.02	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1287	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	139.67	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1288	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	170.54	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1289	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	243.86	23.44
		For Elevated Installation >10' To 15' Above Floor, Add	*4.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.45*	
		For Elevated Installation >40' Above Floor, Add	*25.79*	
		For Work In Restricted Working Space, Add	*14.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	318.42	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	406.20	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.05*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	511.00	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	636.83	75.02
		For Elevated Installation >10' To 15' Above Floor, Add	*15.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.02*	
		For Elevated Installation >40' Above Floor, Add	*82.52*	
		For Work In Restricted Working Space, Add	*45.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.01*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	960.44	113.20
		For Elevated Installation >10' To 15' Above Floor, Add	*22.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*56.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*79.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*90.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*113.20*	
		For Elevated Installation >40' Above Floor, Add	*124.52*	
		For Work In Restricted Working Space, Add	*67.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.92*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	115.50	8.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.04*	
		For Elevated Installation >40' Above Floor, Add	*8.84*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	122.36	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	131.66	12.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.06*	
		For Elevated Installation >40' Above Floor, Add	*13.27*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	150.42	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	161.58	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	182.74	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	278.11	23.44
		For Elevated Installation >10' To 15' Above Floor, Add	*4.69*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.38*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.72*	
		For Elevated Installation >25' To 30' Above Floor, Add	*16.41*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.76*	
		For Elevated Installation >35' To 40' Above Floor, Add	*23.45*	
		For Elevated Installation >40' Above Floor, Add	*25.79*	
		For Work In Restricted Working Space, Add	*14.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.07*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	333.18	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	409.39	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.05*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	531.59	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	827.23	75.02
		For Elevated Installation >10' To 15' Above Floor, Add	*15.00*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.01*	
		For Elevated Installation >20' To 25' Above Floor, Add	*37.51*	
		For Elevated Installation >25' To 30' Above Floor, Add	*52.51*	
		For Elevated Installation >30' To 35' Above Floor, Add	*60.02*	
		For Elevated Installation >35' To 40' Above Floor, Add	*75.02*	
		For Elevated Installation >40' Above Floor, Add	*82.52*	
		For Work In Restricted Working Space, Add	*45.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,352.83	113.20
		For Elevated Installation >10' To 15' Above Floor, Add	*22.64*	
		For Elevated Installation >15' To 20' Above Floor, Add	*45.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*56.60*	
		For Elevated Installation >25' To 30' Above Floor, Add	*79.24*	
		For Elevated Installation >30' To 35' Above Floor, Add	*90.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*113.20*	
		For Elevated Installation >40' Above Floor, Add	*124.52*	
		For Work In Restricted Working Space, Add	*67.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.92*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	124.10	8.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.04*	
		For Elevated Installation >40' Above Floor, Add	*8.84*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	130.52	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	140.19	12.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.06*	
		For Elevated Installation >40' Above Floor, Add	*13.27*	
		For Work In Restricted Working Space, Add	*7.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.24*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	176.30	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	192.82	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	204.30	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	93.13	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	102.26	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	132.32	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	189.96	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	225.01	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	284.28	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	377.56	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	485.51	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	629.61	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	810.95	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,471.64	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,846.53	226.41
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	
		For Work In Restricted Working Space, Add	*135.84*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	95.14	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	109.93	20.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*8.31*	
		For Elevated Installation >20' To 25' Above Floor, Add	*10.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*14.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*16.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*20.77*	
		For Elevated Installation >40' Above Floor, Add	*22.84*	
		For Work In Restricted Working Space, Add	*12.46*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	136.41	25.45
		For Elevated Installation >10' To 15' Above Floor, Add	*5.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.18*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.46*	
		For Elevated Installation >40' Above Floor, Add	*28.00*	
		For Work In Restricted Working Space, Add	*15.27*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	197.47	29.47
		For Elevated Installation >10' To 15' Above Floor, Add	*5.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*20.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*23.58*	
		For Elevated Installation >35' To 40' Above Floor, Add	*29.47*	
		For Elevated Installation >40' Above Floor, Add	*32.42*	
		For Work In Restricted Working Space, Add	*17.68*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	235.44	33.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Work In Restricted Working Space, Add	*20.09*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	306.79	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.47*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.84*	
		For Elevated Installation >40' Above Floor, Add	*40.52*	
		For Work In Restricted Working Space, Add	*22.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	425.71	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	534.48	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	718.13	71.00
		For Elevated Installation >10' To 15' Above Floor, Add	*14.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*28.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*35.50*	
		For Elevated Installation >25' To 30' Above Floor, Add	*49.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*56.80*	
		For Elevated Installation >35' To 40' Above Floor, Add	*71.01*	
		For Elevated Installation >40' Above Floor, Add	*78.11*	
		For Work In Restricted Working Space, Add	*42.60*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	899.15	92.43
		For Elevated Installation >10' To 15' Above Floor, Add	*18.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*36.97*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*73.95*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.44*	
		For Elevated Installation >40' Above Floor, Add	*101.68*	
		For Work In Restricted Working Space, Add	*55.46*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,633.32	150.71
		For Elevated Installation >10' To 15' Above Floor, Add	*30.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*60.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*75.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*105.50*	
		For Elevated Installation >30' To 35' Above Floor, Add	*120.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*150.71*	
		For Elevated Installation >40' Above Floor, Add	*165.78*	
		For Work In Restricted Working Space, Add	*90.43*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,107.60	226.41
		For Elevated Installation >10' To 15' Above Floor, Add	*45.28*	
		For Elevated Installation >15' To 20' Above Floor, Add	*90.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*113.20*	
		For Elevated Installation >25' To 30' Above Floor, Add	*158.48*	
		For Elevated Installation >30' To 35' Above Floor, Add	*181.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*226.41*	
		For Elevated Installation >40' Above Floor, Add	*249.05*	
		For Work In Restricted Working Space, Add	*135.84*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	51.07	5.35
		For Elevated Installation >10' To 15' Above Floor, Add	*1.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*2.68*	
		For Elevated Installation >25' To 30' Above Floor, Add	*3.75*	
		For Elevated Installation >30' To 35' Above Floor, Add	*4.29*	
		For Elevated Installation >35' To 40' Above Floor, Add	*5.36*	
		For Elevated Installation >40' Above Floor, Add	*5.90*	
		For Work In Restricted Working Space, Add	*3.22*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	56.17	6.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Work In Restricted Working Space, Add	*4.02*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	63.71	6.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.34*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.68*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*4.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.36*	
		For Elevated Installation >35' To 40' Above Floor, Add	*6.70*	
		For Elevated Installation >40' Above Floor, Add	*7.37*	
		For Work In Restricted Working Space, Add	*4.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	78.56	7.37
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.37*	
		For Elevated Installation >40' Above Floor, Add	*8.11*	
		For Work In Restricted Working Space, Add	*4.42*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	82.91	7.37
		For Elevated Installation >10' To 15' Above Floor, Add	*1.47*	
		For Elevated Installation >15' To 20' Above Floor, Add	*2.95*	
		For Elevated Installation >20' To 25' Above Floor, Add	*3.69*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.16*	
		For Elevated Installation >30' To 35' Above Floor, Add	*5.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*7.37*	
		For Elevated Installation >40' Above Floor, Add	*8.11*	
		For Work In Restricted Working Space, Add	*4.42*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	71.65	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	81.36	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	125.01	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	139.03	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	135.26	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	142.26	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	159.87	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	159.16	12.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.41*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.03*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*9.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.06*	
		For Elevated Installation >40' Above Floor, Add	*13.27*	
		For Work In Restricted Working Space, Add	*7.24*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	203.19	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	298.23	19.42
		For Elevated Installation >10' To 15' Above Floor, Add	*3.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.43*	
		For Elevated Installation >40' Above Floor, Add	*21.37*	
		For Work In Restricted Working Space, Add	*11.66*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	399.17	26.79
		For Elevated Installation >10' To 15' Above Floor, Add	*5.36*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.72*	
		For Elevated Installation >20' To 25' Above Floor, Add	*13.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.76*	
		For Elevated Installation >30' To 35' Above Floor, Add	*21.44*	
		For Elevated Installation >35' To 40' Above Floor, Add	*26.80*	
		For Elevated Installation >40' Above Floor, Add	*29.47*	
		For Work In Restricted Working Space, Add	*16.08*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	499.77	36.84
		For Elevated Installation >10' To 15' Above Floor, Add	*7.37*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.74*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.42*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.79*	
		For Elevated Installation >30' To 35' Above Floor, Add	*29.48*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.85*	
		For Elevated Installation >40' Above Floor, Add	*40.53*	
		For Work In Restricted Working Space, Add	*22.11*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.98	8.04
		For Elevated Installation >10' To 15' Above Floor, Add	*1.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.21*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*5.62*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.43*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.04*	
		For Elevated Installation >40' Above Floor, Add	*8.84*	
		For Work In Restricted Working Space, Add	*4.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.33	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.64	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.84	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.59	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.51	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.64	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.97	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.31	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.26	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.43	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.67	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.80	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.27	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.63	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.58	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	65.26	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	38.86	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.00	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.63	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.97	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.06	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.85	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	93.70	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	121.88	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.03	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.30	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.95	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.31	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.54	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.44	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	95.98	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	126.81	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	150.62	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.04*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	177.63	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.33	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.62	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.30	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.94	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.18	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.85	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	105.09	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	134.18	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	152.19	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.04*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	181.83	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	266.32	63.63
		For Elevated Installation >10' To 15' Above Floor, Add	*12.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.63*	
		For Elevated Installation >40' Above Floor, Add	*69.99*	
		For Work In Restricted Working Space, Add	*38.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.18*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.90	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.20	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.92	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.09	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.57	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.26	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	114.33	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	143.98	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	161.02	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.04*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	196.71	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	288.57	63.63
		For Elevated Installation >10' To 15' Above Floor, Add	*12.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.63*	
		For Elevated Installation >40' Above Floor, Add	*69.99*	
		For Work In Restricted Working Space, Add	*38.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.18*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.80	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.08	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.31	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.39	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.39	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.14	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	125.70	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	157.38	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	183.11	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.04*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	219.06	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	303.83	63.63
		For Elevated Installation >10' To 15' Above Floor, Add	*12.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.63*	
		For Elevated Installation >40' Above Floor, Add	*69.99*	
		For Work In Restricted Working Space, Add	*38.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.18*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.75	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.00	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.67	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.55	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.09	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	90.26	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	137.72	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	174.55	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	206.31	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.04*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	258.16	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	334.26	63.63
		For Elevated Installation >10' To 15' Above Floor, Add	*12.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.63*	
		For Elevated Installation >40' Above Floor, Add	*69.99*	
		For Work In Restricted Working Space, Add	*38.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.18*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.72	8.70
		For Elevated Installation >10' To 15' Above Floor, Add	*1.74*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.48*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*6.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*8.71*	
		For Elevated Installation >40' Above Floor, Add	*9.58*	
		For Work In Restricted Working Space, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.23*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.09	10.05
		For Elevated Installation >10' To 15' Above Floor, Add	*2.01*	
		For Elevated Installation >15' To 20' Above Floor, Add	*4.02*	
		For Elevated Installation >20' To 25' Above Floor, Add	*5.02*	
		For Elevated Installation >25' To 30' Above Floor, Add	*7.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*8.04*	
		For Elevated Installation >35' To 40' Above Floor, Add	*10.05*	
		For Elevated Installation >40' Above Floor, Add	*11.05*	
		For Work In Restricted Working Space, Add	*6.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.03*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.14	12.72
		For Elevated Installation >10' To 15' Above Floor, Add	*2.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.09*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.36*	
		For Elevated Installation >25' To 30' Above Floor, Add	*8.91*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.73*	
		For Elevated Installation >40' Above Floor, Add	*14.00*	
		For Work In Restricted Working Space, Add	*7.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.64*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.39	14.74
		For Elevated Installation >10' To 15' Above Floor, Add	*2.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*10.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*11.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*14.74*	
		For Elevated Installation >40' Above Floor, Add	*16.21*	
		For Work In Restricted Working Space, Add	*8.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.84*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	82.20	16.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.35*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.70*	
		For Elevated Installation >20' To 25' Above Floor, Add	*8.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*13.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*16.75*	
		For Elevated Installation >40' Above Floor, Add	*18.42*	
		For Work In Restricted Working Space, Add	*10.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.05*	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	98.40	18.75
		For Elevated Installation >10' To 15' Above Floor, Add	*3.75*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.50*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.13*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.00*	
		For Elevated Installation >35' To 40' Above Floor, Add	*18.76*	
		For Elevated Installation >40' Above Floor, Add	*20.63*	
		For Work In Restricted Working Space, Add	*11.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.25*	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.75	22.77
		For Elevated Installation >10' To 15' Above Floor, Add	*4.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.11*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.39*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.94*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.22*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.77*	
		For Elevated Installation >40' Above Floor, Add	*25.05*	
		For Work In Restricted Working Space, Add	*13.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.66*	
26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	200.29	31.49
		For Elevated Installation >10' To 15' Above Floor, Add	*6.30*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.59*	
		For Elevated Installation >20' To 25' Above Floor, Add	*15.74*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.04*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.18*	
		For Elevated Installation >35' To 40' Above Floor, Add	*31.48*	
		For Elevated Installation >40' Above Floor, Add	*34.63*	
		For Work In Restricted Working Space, Add	*18.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.89*	
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.54	35.50
		For Elevated Installation >10' To 15' Above Floor, Add	*7.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.20*	
		For Elevated Installation >20' To 25' Above Floor, Add	*17.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*24.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.40*	
		For Elevated Installation >35' To 40' Above Floor, Add	*35.50*	
		For Elevated Installation >40' Above Floor, Add	*39.04*	
		For Work In Restricted Working Space, Add	*21.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.30*	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	270.15	46.22
		For Elevated Installation >10' To 15' Above Floor, Add	*9.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*23.11*	
		For Elevated Installation >25' To 30' Above Floor, Add	*32.35*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*46.22*	
		For Elevated Installation >40' Above Floor, Add	*50.84*	
		For Work In Restricted Working Space, Add	*27.73*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.73*	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	338.60	63.63
		For Elevated Installation >10' To 15' Above Floor, Add	*12.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*25.45*	
		For Elevated Installation >20' To 25' Above Floor, Add	*31.82*	
		For Elevated Installation >25' To 30' Above Floor, Add	*44.54*	
		For Elevated Installation >30' To 35' Above Floor, Add	*50.90*	
		For Elevated Installation >35' To 40' Above Floor, Add	*63.63*	
		For Elevated Installation >40' Above Floor, Add	*69.99*	
		For Work In Restricted Working Space, Add	*38.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.18*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	6.16	2.07
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.55*	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.01	2.27
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.70*	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.10	2.48
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.21	2.68
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.01*	
		For Work In Restricted Working Space, Add	*2.01*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	10.32	2.89
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.08*	
		For Work In Restricted Working Space, Add	*2.16*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	12.40	3.30
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	16.88	4.12
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.55*	
		For Work In Restricted Working Space, Add	*3.09*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	21.00	4.94
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.85*	
		For Work In Restricted Working Space, Add	*3.71*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	25.83	6.19
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.32*	
		For Work In Restricted Working Space, Add	*4.64*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	31.86	7.83
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.94*	
		For Work In Restricted Working Space, Add	*5.87*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	42.30	9.90
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.71*	
		For Work In Restricted Working Space, Add	*7.42*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	54.03	12.36
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.64*	
		For Work In Restricted Working Space, Add	*9.27*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	37.49	10.72
		For Work In Restricted Working Space, Add	*8.04*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	47.40	12.16
		For Work In Restricted Working Space, Add	*9.12*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	57.66	14.02
		For Work In Restricted Working Space, Add	*10.51*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	73.50	16.07
		For Work In Restricted Working Space, Add	*12.06*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	105.08	19.58
		For Work In Restricted Working Space, Add	*14.69*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	150.07	25.35
		For Work In Restricted Working Space, Add	*19.01*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	206.33	28.44
		For Work In Restricted Working Space, Add	*21.33*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	249.48	35.66
		For Work In Restricted Working Space, Add	*26.74*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	619.41	58.12
		For Work In Restricted Working Space, Add	*43.59*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	874.42	87.39
		For Work In Restricted Working Space, Add	*65.54*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	11.12	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	16.68	5.35
		For Work In Restricted Working Space, Add	*4.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	17.01	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	19.14	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	23.42	9.06
		For Work In Restricted Working Space, Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	28.54	10.92
		For Work In Restricted Working Space, Add	*8.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.19*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	35.00	12.99
		For Work In Restricted Working Space, Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.74*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	40.86	14.84
		For Work In Restricted Working Space, Add	*11.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.13*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	44.19	16.07
		For Work In Restricted Working Space, Add	*12.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.06*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	48.08	17.32
		For Work In Restricted Working Space, Add	*12.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	63.72	23.08
		For Work In Restricted Working Space, Add	*17.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.31*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	94.82	34.62
		For Work In Restricted Working Space, Add	*25.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.97*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.10	1.64
		For Schedule 60, Add	*0.45*	
		For Schedule 80, Add	*0.76*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.84	1.80
		For Schedule 60, Add	*0.56*	
		For Schedule 80, Add	*0.91*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	7.24	2.10
		For Schedule 60, Add	*0.76*	
		For Schedule 80, Add	*1.22*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	8.65	2.40
		For Schedule 60, Add	*0.96*	
		For Schedule 80, Add	*1.52*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	10.17	2.80
		For Schedule 60, Add	*1.14*	
		For Schedule 80, Add	*1.80*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	12.17	3.22
		For Schedule 60, Add	*1.44*	
		For Schedule 80, Add	*2.25*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	16.16	3.82
		For Schedule 60, Add	*2.13*	
		For Schedule 80, Add	*3.27*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	18.93	4.42
		For Schedule 60, Add	*2.52*	
		For Schedule 80, Add	*3.87*	
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	23.13	5.22
		For Schedule 60, Add	*3.17*	
		For Schedule 80, Add	*4.84*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	27.14	6.42
		For Schedule 60, Add	*3.57*	
		For Schedule 80, Add	*5.48*	
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	38.74	9.04
		For Schedule 60, Add	*5.17*	
		For Schedule 80, Add	*7.91*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	51.44	12.04
		For Schedule 60, Add	*6.84*	
		For Schedule 80, Add	*10.48*	

26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	21.45	8.02
		For Schedule 60, Add	*1.35*	
		For Schedule 80, Add	*2.49*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	23.74	8.84
		For Schedule 60, Add	*1.52*	
		For Schedule 80, Add	*2.79*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	27.66	10.04
		For Schedule 60, Add	*1.90*	
		For Schedule 80, Add	*3.41*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	35.84	12.84
		For Schedule 60, Add	*2.54*	
		For Schedule 80, Add	*4.51*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	45.19	16.06
		For Schedule 60, Add	*3.27*	
		For Schedule 80, Add	*5.78*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	57.20	20.08
		For Schedule 60, Add	*4.26*	
		For Schedule 80, Add	*7.48*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	72.54	24.08
		For Schedule 60, Add	*6.09*	
		For Schedule 80, Add	*10.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	90.32	28.10
		For Schedule 60, Add	*8.53*	
		For Schedule 80, Add	*14.05*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	113.15	34.12
		For Schedule 60, Add	*11.23*	
		For Schedule 80, Add	*18.28*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	136.19	40.14
		For Schedule 60, Add	*13.98*	
		For Schedule 80, Add	*22.58*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	188.76	50.18
		For Schedule 60, Add	*22.10*	
		For Schedule 80, Add	*34.71*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	231.24	60.22
		For Schedule 60, Add	*27.70*	
		For Schedule 80, Add	*43.30*	

26 05 33 13-1515 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	21.45	8.02
		For Schedule 60, Add	*1.35*	
		For Schedule 80, Add	*2.49*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	23.64	8.84
		For Schedule 60, Add	*1.49*	
		For Schedule 80, Add	*2.75*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	27.53	10.04
		For Schedule 60, Add	*1.87*	
		For Schedule 80, Add	*3.37*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	35.45	12.84
		For Schedule 60, Add	*2.44*	
		For Schedule 80, Add	*4.38*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	44.31	16.06
		For Schedule 60, Add	*3.05*	
		For Schedule 80, Add	*5.47*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	56.73	20.08
		For Schedule 60, Add	*4.15*	
		For Schedule 80, Add	*7.31*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	71.66	24.08
		For Schedule 60, Add	*5.87*	
		For Schedule 80, Add	*10.03*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	89.20	28.10
		For Schedule 60, Add	*8.25*	
		For Schedule 80, Add	*13.66*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	110.01	34.12
		For Schedule 60, Add	*10.44*	
		For Schedule 80, Add	*17.18*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	133.49	40.14
		For Schedule 60, Add	*13.30*	
		For Schedule 80, Add	*21.63*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	185.26	50.18
		For Schedule 60, Add	*21.23*	
		For Schedule 80, Add	*33.48*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	220.82	60.22
		For Schedule 60, Add	*25.10*	
		For Schedule 80, Add	*39.65*	

26 05 33 13-1528 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow *(26 05 33 13-1488)*

26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	103.82	25.45
		For Schedule 80, Add	*23.61*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	122.24	29.47
		For Schedule 80, Add	*28.05*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	138.19	33.49
		For Schedule 80, Add	*31.62*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	169.10	36.84
		For Schedule 80, Add	*40.77*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	225.99	46.22
		For Schedule 80, Add	*55.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	290.96	62.96
		For Schedule 80, Add	*70.35*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	358.34	71.00
		For Schedule 80, Add	*89.92*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	416.87	92.43
		For Schedule 80, Add	*99.69*	
26 05 33 13-1537		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	113.54	25.45
		For Schedule 80, Add	*27.01*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	145.62	29.47
		For Schedule 80, Add	*36.23*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	171.66	33.49
		For Schedule 80, Add	*43.34*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	185.67	36.84
		For Schedule 80, Add	*46.56*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	277.06	46.22
		For Schedule 80, Add	*73.86*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	365.22	62.96
		For Schedule 80, Add	*96.34*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	404.06	71.00
		For Schedule 80, Add	*105.92*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	472.22	92.43
		For Schedule 80, Add	*119.06*	
26 05 33 13-1546		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	139.74	25.45
		For Schedule 80, Add	*36.18*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	156.60	29.47
		For Schedule 80, Add	*40.08*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	178.11	33.49
		For Schedule 80, Add	*45.59*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	216.91	36.84
		For Schedule 80, Add	*57.50*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	296.08	46.22
		For Schedule 80, Add	*80.52*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	381.18	62.96
		For Schedule 80, Add	*101.93*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	464.92	71.00
		For Schedule 80, Add	*127.22*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	526.88	92.43
		For Schedule 80, Add	*138.19*	
26 05 33 13-1555		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	145.09	25.45
		For Schedule 80, Add	*38.05*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	189.08	29.47
		For Schedule 80, Add	*51.44*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	203.87	33.49
		For Schedule 80, Add	*54.61*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	218.07	36.84
		For Schedule 80, Add	*57.90*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	337.98	46.22
		For Schedule 80, Add	*95.19*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	475.08	62.96
		For Schedule 80, Add	*134.80*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	550.42	71.00
		For Schedule 80, Add	*157.14*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	628.14	92.43
		For Schedule 80, Add	*173.63*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,000.63	150.45
		For Schedule 80, Add	*274.87*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	1,455.75	226.71
		For Schedule 80, Add	*396.31*	
26 05 33 13-1566		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	165.64	25.45
		For Schedule 80, Add	*45.25*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	194.58	29.47
		For Schedule 80, Add	*53.37*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	220.41	33.49
		For Schedule 80, Add	*60.40*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	275.17	36.84
		For Schedule 80, Add	*77.89*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	378.88	46.22
		For Schedule 80, Add	*109.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	542.24	62.96
		For Schedule 80, Add	*158.30*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	614.63	71.00
		For Schedule 80, Add	*179.62*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	739.59	92.43
		For Schedule 80, Add	*212.64*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,065.83	150.45
		For Schedule 80, Add	*297.69*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	1,508.54	226.71
		For Schedule 80, Add	*414.79*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	14.69	5.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.22*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	16.92	6.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	19.25	7.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	21.71	8.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	26.87	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	32.66	12.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	44.81	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	56.52	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	73.28	26.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.57*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	88.70	32.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.08*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	117.42	40.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.11*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	146.04	50.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.63*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	17.15	4.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.54	5.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.22*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.95	6.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	26.14	7.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	29.17	8.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	35.07	9.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	39.25	10.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	44.41	12.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	52.62	14.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.54*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	58.06	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	73.77	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	83.07	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	15.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.63*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	19.36	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	21.60	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.17*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	24.28	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.87*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	26.65	10.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	32.36	12.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	44.21	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	55.69	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	72.21	26.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.57*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	87.61	32.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.08*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	115.26	40.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.11*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	143.45	50.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.63*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	45.98	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	53.42	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	59.34	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	73.29	24.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.07*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	90.58	30.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.58*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	117.48	36.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.10*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	201.85	40.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.11*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	215.44	44.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.12*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	234.03	50.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.63*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	261.24	58.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.66*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	59.29	20.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	66.43	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	71.82	24.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	90.15	28.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	108.88	35.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.28*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	134.21	41.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	99.92	20.08
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	111.22	24.08
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	123.28	28.10
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	134.58	32.12
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	145.60	36.12
26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	159.04	40.14
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	194.73	46.16
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	233.36	52.18
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	273.19	60.22
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	325.04	70.26
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	430.41	84.30
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	565.99	108.38

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	12.66	4.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.01*	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	14.96	4.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.61*	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	17.22	5.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.22*	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	20.61	6.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	24.04	7.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	28.46	8.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	40.76	9.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.92*	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	44.64	10.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1656	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	57.16	11.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.73*	
26 05 33 13-1657	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	69.29	12.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.34*	
26 05 33 13-1658	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	80.73	14.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.54*	
26 05 33 13-1659	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	102.26	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1488)*

26 05 33 13-1661	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	130.17	36.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.10*	
26 05 33 13-1662	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	140.69	24.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.07*	
26 05 33 13-1663	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	347.03	40.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.11*	
26 05 33 13-1664	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	682.26	58.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.66*	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1665)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.62	1.64
26 05 33 13-1668	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.59	1.80
26 05 33 13-1669	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.63	2.08
26 05 33 13-1670	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.68	2.40
26 05 33 13-1671	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.14	2.80
26 05 33 13-1672	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.30	3.22
26 05 33 13-1673	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.06	3.82
26 05 33 13-1674	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.07	4.42
26 05 33 13-1675	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.19	5.22
26 05 33 13-1676	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.34	6.42
26 05 33 13-1677	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	36.67	9.04
26 05 33 13-1678	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	47.73	12.04

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1680	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	103.36	8.02
		For 24" Radius, Add	*7.25*	
		For 36" Radius, Add	*10.34*	
		For 48" Radius, Add	*13.42*	
26 05 33 13-1681	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	115.31	8.84
		For 24" Radius, Add	*8.10*	
		For 36" Radius, Add	*11.53*	
		For 48" Radius, Add	*14.97*	
26 05 33 13-1682	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	119.26	10.04
		For 24" Radius, Add	*8.32*	
		For 36" Radius, Add	*11.93*	
		For 48" Radius, Add	*15.53*	
26 05 33 13-1683	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	127.22	12.84
		For 24" Radius, Add	*8.74*	
		For 36" Radius, Add	*12.72*	
		For 48" Radius, Add	*16.71*	
26 05 33 13-1684	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	136.18	16.06
		For 24" Radius, Add	*9.21*	
		For 36" Radius, Add	*13.62*	
		For 48" Radius, Add	*18.03*	
26 05 33 13-1685	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	159.47	20.08
		For 24" Radius, Add	*10.71*	
		For 36" Radius, Add	*15.95*	
		For 48" Radius, Add	*21.19*	
26 05 33 13-1686	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	191.03	24.08
		For 24" Radius, Add	*12.82*	
		For 36" Radius, Add	*19.10*	
		For 48" Radius, Add	*25.38*	
26 05 33 13-1687	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	227.23	28.10
		For 24" Radius, Add	*15.29*	
		For 36" Radius, Add	*22.72*	
		For 48" Radius, Add	*30.16*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1688		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	261.89	34.12
			For 24" Radius, Add	*17.51*	
			For 36" Radius, Add	*26.19*	
			For 48" Radius, Add	*34.87*	
26 05 33 13-1689		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	296.57	40.14
			For 24" Radius, Add	*19.73*	
			For 36" Radius, Add	*29.66*	
			For 48" Radius, Add	*39.58*	
26 05 33 13-1690		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	370.71	50.18
			For 24" Radius, Add	*24.67*	
			For 36" Radius, Add	*37.07*	
			For 48" Radius, Add	*49.47*	
26 05 33 13-1691		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	457.12	60.22
			For 24" Radius, Add	*30.52*	
			For 36" Radius, Add	*45.71*	
			For 48" Radius, Add	*60.90*	

26 05 33 13-1692 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1693		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	88.37	8.02
			For 24" Radius, Add	*6.13*	
			For 36" Radius, Add	*8.84*	
			For 48" Radius, Add	*11.55*	
26 05 33 13-1694		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	98.53	8.84
			For 24" Radius, Add	*6.84*	
			For 36" Radius, Add	*9.85*	
			For 48" Radius, Add	*12.87*	
26 05 33 13-1695		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	102.31	10.04
			For 24" Radius, Add	*7.05*	
			For 36" Radius, Add	*10.23*	
			For 48" Radius, Add	*13.42*	
26 05 33 13-1696		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	110.10	12.84
			For 24" Radius, Add	*7.45*	
			For 36" Radius, Add	*11.01*	
			For 48" Radius, Add	*14.57*	
26 05 33 13-1697		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	118.90	16.06
			For 24" Radius, Add	*7.91*	
			For 36" Radius, Add	*11.89*	
			For 48" Radius, Add	*15.87*	
26 05 33 13-1698		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	139.80	20.08
			For 24" Radius, Add	*9.23*	
			For 36" Radius, Add	*13.98*	
			For 48" Radius, Add	*18.73*	
26 05 33 13-1699		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	167.48	24.08
			For 24" Radius, Add	*11.06*	
			For 36" Radius, Add	*16.75*	
			For 48" Radius, Add	*22.44*	
26 05 33 13-1700		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	198.98	28.10
			For 24" Radius, Add	*13.17*	
			For 36" Radius, Add	*19.90*	
			For 48" Radius, Add	*26.63*	
26 05 33 13-1701		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	230.11	34.12
			For 24" Radius, Add	*15.13*	
			For 36" Radius, Add	*23.01*	
			For 48" Radius, Add	*30.90*	
26 05 33 13-1702		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	261.26	40.14
			For 24" Radius, Add	*17.09*	
			For 36" Radius, Add	*26.13*	
			For 48" Radius, Add	*35.17*	
26 05 33 13-1703		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	326.56	50.18
			For 24" Radius, Add	*21.36*	
			For 36" Radius, Add	*32.66*	
			For 48" Radius, Add	*43.96*	
26 05 33 13-1704		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	401.94	60.22
			For 24" Radius, Add	*26.38*	
			For 36" Radius, Add	*40.19*	
			For 48" Radius, Add	*54.01*	

26 05 33 13-1705 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1706		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	82.18	7.22
			For 24" Radius, Add	*5.71*	
			For 36" Radius, Add	*8.22*	
			For 48" Radius, Add	*10.72*	
26 05 33 13-1707		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	91.67	7.94
			For 24" Radius, Add	*6.38*	
			For 36" Radius, Add	*9.17*	
			For 48" Radius, Add	*11.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	95.10	9.04
		For 24" Radius, Add	*6.57*	
		For 36" Radius, Add	*9.51*	
		For 48" Radius, Add	*12.45*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	102.13	11.56
		For 24" Radius, Add	*6.94*	
		For 36" Radius, Add	*10.21*	
		For 48" Radius, Add	*13.49*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	110.07	14.46
		For 24" Radius, Add	*7.35*	
		For 36" Radius, Add	*11.01*	
		For 48" Radius, Add	*14.66*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	129.31	18.06
		For 24" Radius, Add	*8.57*	
		For 36" Radius, Add	*12.93*	
		For 48" Radius, Add	*17.29*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	154.92	21.68
		For 24" Radius, Add	*10.26*	
		For 36" Radius, Add	*15.49*	
		For 48" Radius, Add	*20.72*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	184.09	25.30
		For 24" Radius, Add	*12.23*	
		For 36" Radius, Add	*18.41*	
		For 48" Radius, Add	*24.59*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	212.76	30.70
		For 24" Radius, Add	*14.04*	
		For 36" Radius, Add	*21.28*	
		For 48" Radius, Add	*28.51*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	241.40	36.12
		For 24" Radius, Add	*15.85*	
		For 36" Radius, Add	*24.14*	
		For 48" Radius, Add	*32.43*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	301.76	45.16
		For 24" Radius, Add	*19.81*	
		For 36" Radius, Add	*30.18*	
		For 48" Radius, Add	*40.54*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	371.55	54.20
		For 24" Radius, Add	*24.48*	
		For 36" Radius, Add	*37.16*	
		For 48" Radius, Add	*49.83*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	78.02	7.22
		For 24" Radius, Add	*5.40*	
		For 36" Radius, Add	*7.80*	
		For 48" Radius, Add	*10.20*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	87.01	7.94
		For 24" Radius, Add	*6.03*	
		For 36" Radius, Add	*8.70*	
		For 48" Radius, Add	*11.37*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	90.39	9.04
		For 24" Radius, Add	*6.21*	
		For 36" Radius, Add	*9.04*	
		For 48" Radius, Add	*11.86*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	97.37	11.56
		For 24" Radius, Add	*6.58*	
		For 36" Radius, Add	*9.74*	
		For 48" Radius, Add	*12.89*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	105.27	14.46
		For 24" Radius, Add	*6.99*	
		For 36" Radius, Add	*10.53*	
		For 48" Radius, Add	*14.06*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	123.85	18.06
		For 24" Radius, Add	*8.16*	
		For 36" Radius, Add	*12.39*	
		For 48" Radius, Add	*16.61*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	148.38	21.68
		For 24" Radius, Add	*9.77*	
		For 36" Radius, Add	*14.84*	
		For 48" Radius, Add	*19.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	176.24	25.30
		For 24" Radius, Add	*11.64*	
		For 36" Radius, Add	*17.62*	
		For 48" Radius, Add	*23.61*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	203.93	30.70
		For 24" Radius, Add	*13.38*	
		For 36" Radius, Add	*20.39*	
		For 48" Radius, Add	*27.41*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	231.59	36.12
		For 24" Radius, Add	*15.11*	
		For 36" Radius, Add	*23.16*	
		For 48" Radius, Add	*31.21*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	289.49	45.16
		For 24" Radius, Add	*18.89*	
		For 36" Radius, Add	*28.95*	
		For 48" Radius, Add	*39.01*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	356.22	54.20
		For 24" Radius, Add	*23.33*	
		For 36" Radius, Add	*35.62*	
		For 48" Radius, Add	*47.91*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	48.54	5.62
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	54.48	6.42
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	56.88	7.22
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	59.22	8.02
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	65.01	10.04
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	77.65	12.04
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	97.37	16.06
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	118.85	20.08
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	142.50	26.10
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	166.13	32.12
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	207.66	40.14
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	259.52	50.18

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	33.51	5.62
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	37.68	6.42
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	39.91	7.22
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.16	8.02
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.38	10.04
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.53	12.04
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	67.06	16.06
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	82.49	20.08
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	101.59	26.10
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	120.67	32.12
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	150.89	40.14
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	188.55	50.18

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	38.24	4.62
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	42.94	6.42
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	45.24	7.22
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	47.42	8.02
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	53.04	10.04
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	63.39	12.04
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	80.07	16.06
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	98.09	20.08
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	119.13	26.10
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	140.16	32.12
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	175.18	40.14
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	219.00	50.18

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	76.83	20.08
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	89.78	24.08
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	100.15	28.10
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	110.37	32.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.09	36.12
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	136.99	40.14
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	159.37	46.16
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	183.21	52.18
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	209.88	60.22
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	241.55	70.26
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	283.13	80.28
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	328.81	90.32

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	87.65	20.08
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	101.92	24.08
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	112.35	28.10
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	122.69	32.12
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	133.52	36.12
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	151.18	40.14
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	176.41	46.16
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	203.65	52.18
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	232.88	60.22
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	267.12	70.26
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	315.18	80.28
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	368.87	90.32

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	103.17	5.62
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	115.05	6.42
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	120.09	7.22
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	125.28	8.02
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	131.92	10.04
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	147.11	12.04
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	180.56	16.06
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	218.60	20.08
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	254.72	26.10
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	290.82	32.12
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	363.61	40.14
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	452.46	50.18

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	106.48	20.08
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	122.78	24.08
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	147.54	28.10
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	184.48	32.12
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	233.16	36.12
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	312.05	40.14
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	448.53	46.16
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	543.51	52.18
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	658.53	60.22
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	778.55	70.26
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	916.90	80.28
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,441.64	90.32

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	89.97	16.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	104.59	18.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	140.79	20.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	172.14	24.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.07*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	219.16	30.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.58*	
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	303.51	36.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.10*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	505.11	42.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.61*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1830		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	653.41	48.18
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.13*	
26 05 33 13-1831		EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	786.73	56.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.15*	
26 05 33 13-1832		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	920.07	64.22
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.17*	
26 05 33 13-1833		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,086.69	72.26
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.19*	
26 05 33 13-1834		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,233.35	80.28
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.22*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837		EA	1/2" Explosion Proof Malleable Iron Conduit Union	42.64	8.59
26 05 33 13-1838		EA	3/4" Explosion Proof Malleable Iron Conduit Union	52.86	9.49
26 05 33 13-1839		EA	1" Explosion Proof Malleable Iron Conduit Union	84.52	12.65
26 05 33 13-1840		EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	112.62	14.01
26 05 33 13-1841		EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	141.84	17.17
26 05 33 13-1842		EA	2" Explosion Proof Malleable Iron Conduit Union	177.12	19.89
26 05 33 13-1843		EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	270.05	28.43
26 05 33 13-1844		EA	3" Explosion Proof Malleable Iron Conduit Union	343.84	33.84
26 05 33 13-1845		EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	581.80	40.61
26 05 33 13-1846		EA	4" Explosion Proof Malleable Iron Conduit Union	614.68	51.88

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848		EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	151.89	27.12
26 05 33 13-1849		EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	171.15	30.74
26 05 33 13-1850		EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	201.04	33.90
26 05 33 13-1851		EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	170.43	33.90
26 05 33 13-1852		EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	202.97	40.68
26 05 33 13-1853		EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	240.66	46.55

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855		EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	125.57	22.60
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 05 33 13-1856		EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	127.67	25.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.98*	
26 05 33 13-1857		EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	139.38	27.57
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.68*	
26 05 33 13-1858		EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	179.60	33.90
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.43*	
26 05 33 13-1859		EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	230.31	39.77
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.83*	
26 05 33 13-1860		EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	297.73	45.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.90*	
26 05 33 13-1861		EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	422.88	67.68
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 05 33 13-1862		EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	534.71	84.82
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.62*	
26 05 33 13-1863		EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	763.01	93.40
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.05*	
26 05 33 13-1864		EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	990.17	101.52
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.14*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866		EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	351.49	10.39
26 05 33 13-1867		EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	460.44	11.75

26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1871	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.25	
		For Schedule 60, Add	*0.41*	
		For Schedule 80, Add	*0.67*	
26 05 33 13-1872	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.84	
		For Schedule 60, Add	*0.51*	
		For Schedule 80, Add	*0.81*	
26 05 33 13-1873	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.74	
		For Schedule 60, Add	*0.68*	
		For Schedule 80, Add	*1.07*	
26 05 33 13-1874	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.65	
		For Schedule 60, Add	*0.86*	
		For Schedule 80, Add	*1.32*	
26 05 33 13-1875	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.42	
		For Schedule 60, Add	*1.00*	
		For Schedule 80, Add	*1.53*	
26 05 33 13-1876	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.67	
		For Schedule 60, Add	*1.26*	
		For Schedule 80, Add	*1.90*	
26 05 33 13-1877	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	11.39	
		For Schedule 60, Add	*1.89*	
		For Schedule 80, Add	*2.79*	
26 05 33 13-1878	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	12.91	
		For Schedule 60, Add	*2.22*	
		For Schedule 80, Add	*3.26*	
26 05 33 13-1879	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	15.36	
		For Schedule 60, Add	*2.79*	
		For Schedule 80, Add	*4.06*	
26 05 33 13-1880	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.60	
		For Schedule 60, Add	*3.05*	
		For Schedule 80, Add	*4.43*	
26 05 33 13-1881	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	21.93	
		For Schedule 60, Add	*4.33*	
		For Schedule 80, Add	*6.23*	
26 05 33 13-1882	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	27.36	
		For Schedule 60, Add	*5.64*	
		For Schedule 80, Add	*8.07*	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.45	
		For Schedule 60, Add	*1.60*	
		For Schedule 80, Add	*2.99*	
26 05 33 13-1885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	31.76	
		For Schedule 60, Add	*1.92*	
		For Schedule 80, Add	*3.59*	
26 05 33 13-1886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	37.70	
		For Schedule 60, Add	*2.40*	
		For Schedule 80, Add	*4.42*	
26 05 33 13-1887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	43.86	
		For Schedule 60, Add	*2.94*	
		For Schedule 80, Add	*5.32*	
26 05 33 13-1888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	50.21	
		For Schedule 60, Add	*3.52*	
		For Schedule 80, Add	*6.28*	
26 05 33 13-1889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	57.20	
		For Schedule 60, Add	*4.26*	
		For Schedule 80, Add	*7.48*	
26 05 33 13-1890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	67.52	
		For Schedule 60, Add	*5.84*	
		For Schedule 80, Add	*9.83*	
26 05 33 13-1891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	80.28	
		For Schedule 60, Add	*8.03*	
		For Schedule 80, Add	*13.04*	
26 05 33 13-1892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	98.11	
		For Schedule 60, Add	*10.48*	
		For Schedule 80, Add	*16.77*	
26 05 33 13-1893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	116.11	
		For Schedule 60, Add	*12.97*	
		For Schedule 80, Add	*20.57*	
26 05 33 13-1894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	153.64	
		For Schedule 60, Add	*20.35*	
		For Schedule 80, Add	*31.19*	
26 05 33 13-1895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	181.06	
		For Schedule 60, Add	*25.19*	
		For Schedule 80, Add	*38.28*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1897		EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	26.45	
			For Schedule 60, Add	*1.60*	
			For Schedule 80, Add	*2.99*	
26 05 33 13-1898		EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	31.66	
			For Schedule 60, Add	*1.90*	
			For Schedule 80, Add	*3.56*	
26 05 33 13-1899		EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	37.57	
			For Schedule 60, Add	*2.37*	
			For Schedule 80, Add	*4.37*	
26 05 33 13-1900		EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	43.47	
			For Schedule 60, Add	*2.84*	
			For Schedule 80, Add	*5.18*	
26 05 33 13-1901		EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	49.33	
			For Schedule 60, Add	*3.30*	
			For Schedule 80, Add	*5.98*	
26 05 33 13-1902		EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	56.73	
			For Schedule 60, Add	*4.15*	
			For Schedule 80, Add	*7.31*	
26 05 33 13-1903		EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	66.64	
			For Schedule 60, Add	*5.62*	
			For Schedule 80, Add	*9.52*	
26 05 33 13-1904		EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	79.16	
			For Schedule 60, Add	*7.75*	
			For Schedule 80, Add	*12.65*	
26 05 33 13-1905		EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	94.97	
			For Schedule 60, Add	*9.69*	
			For Schedule 80, Add	*15.67*	
26 05 33 13-1906		EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	113.41	
			For Schedule 60, Add	*12.30*	
			For Schedule 80, Add	*19.62*	
26 05 33 13-1907		EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	150.14	
			For Schedule 60, Add	*19.47*	
			For Schedule 80, Add	*29.97*	
26 05 33 13-1908		EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	170.64	
			For Schedule 60, Add	*22.59*	
			For Schedule 80, Add	*34.63*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910		EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	14.69	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.22*	
26 05 33 13-1911		EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	16.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.82*	
26 05 33 13-1912		EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	19.25	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 05 33 13-1913		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	21.71	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.02*	
26 05 33 13-1914		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	23.87	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.62*	
26 05 33 13-1915		EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	26.64	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.22*	
26 05 33 13-1916		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	31.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.13*	
26 05 33 13-1917		EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	36.44	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.03*	
26 05 33 13-1918		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	43.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.54*	
26 05 33 13-1919		EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	48.56	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.04*	
26 05 33 13-1920		EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	62.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.55*	
26 05 33 13-1921		EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	70.78	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.05*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923		EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	17.15	
26 05 33 13-1924		EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	19.54	
26 05 33 13-1925		EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.95	
26 05 33 13-1926		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	28.16	
26 05 33 13-1927		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	31.17	
26 05 33 13-1928		EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	35.07	
26 05 33 13-1929		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	39.25	
26 05 33 13-1930		EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	44.41	
26 05 33 13-1931		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	52.62	
26 05 33 13-1932		EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	58.06	
26 05 33 13-1933		EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	73.77	
26 05 33 13-1934		EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	83.07	

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936		EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	14.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1937	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	16.92	
26 05 33 13-1938	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	19.11	
26 05 33 13-1939	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	21.47	
26 05 33 13-1940	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	23.65	
26 05 33 13-1941	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	26.34	
26 05 33 13-1942	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	31.17	
26 05 33 13-1943	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	35.61	
26 05 33 13-1944	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	42.09	
26 05 33 13-1945	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	47.47	
26 05 33 13-1946	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	60.06	
26 05 33 13-1947	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	68.19	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.08	2.17
		For >250 To 500, Deduct	*-0.41*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.97*	
26 05 33 13-1951	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.45	2.68
		For >250 To 500, Deduct	*-0.47*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000, Deduct	*-1.09*	
26 05 33 13-1952	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	15.32	2.99
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.35*	
26 05 33 13-1953	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	18.52	4.02
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.65*	
26 05 33 13-1954	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	21.78	4.53
		For >250 To 500, Deduct	*-0.86*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000, Deduct	*-1.95*	
26 05 33 13-1955	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	27.62	4.94
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.79*	
		For >1,000, Deduct	*-2.48*	
26 05 33 13-1956	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	40.16	7.42
		For >250 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.63*	
		For >1,000, Deduct	*-3.63*	
26 05 33 13-1957	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	51.76	9.28
		For >250 To 500, Deduct	*-2.07*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-4.66*	
26 05 33 13-1958	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	63.86	9.79
		For >250 To 500, Deduct	*-2.55*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-5.74*	
26 05 33 13-1959	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	75.83	10.82
		For >250 To 500, Deduct	*-3.02*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.81*	
26 05 33 13-1960	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	118.77	14.94
		For >250 To 500, Deduct	*-4.96*	
		For >500 To 1,000, Deduct	*-7.93*	
		For >1,000, Deduct	*-10.90*	
26 05 33 13-1961	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	158.56	19.58
		For >250 To 500, Deduct	*-6.69*	
		For >500 To 1,000, Deduct	*-10.66*	
		For >1,000, Deduct	*-14.62*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	11.90	3.09
26 05 33 13-1964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	14.22	4.12
26 05 33 13-1965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	18.07	5.15
26 05 33 13-1966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.39	5.67
26 05 33 13-1967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	24.17	6.70
26 05 33 13-1968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	31.22	7.73
26 05 33 13-1969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	57.56	9.28
26 05 33 13-1970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	73.14	12.89
26 05 33 13-1971	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	90.65	14.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	112.28	20.61
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	288.22	28.34
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	290.59	15.97
26 05 33 13-1975		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
		Note: 90, 45, or 30-degree.		
26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	45.77	12.89
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	52.72	15.97
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	62.98	19.58
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	74.62	22.67
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	87.50	25.76
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	106.88	28.34
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	165.70	35.56
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	248.03	48.43
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	307.60	54.62
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	351.89	71.10
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	737.16	115.94
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,160.52	174.16
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	110.15	19.58
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	123.86	22.67
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	141.41	25.76
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	169.09	28.34
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	236.11	35.56
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	122.90	19.58
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	144.93	22.67
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	156.52	25.76
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	202.04	28.34
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	267.89	35.56
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	342.26	48.43
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	138.15	19.58
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	155.91	22.67
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	175.91	25.76
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	212.97	28.34
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	304.40	35.56
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	385.13	48.43
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	487.12	54.62
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	547.47	71.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2010		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	164.50	19.58
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	181.68	22.67
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	205.16	25.76
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	255.10	28.34
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	369.74	35.56
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	457.76	48.43
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	531.46	54.62
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	628.88	71.10
26 05 33 13-2019		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	184.99	19.58
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	205.66	22.67
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	233.96	25.76
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	291.77	28.34
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	405.40	35.56
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	515.85	48.43
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	639.28	54.62
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	703.61	71.10
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,173.43	115.94
26 05 33 13-2029		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	211.80	19.58
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	234.64	22.67
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	265.52	25.76
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	332.44	28.34
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	464.81	35.56
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	589.86	48.43
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	693.31	54.62
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	800.09	71.10
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,241.04	115.94
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,694.77	174.16
26 05 33 13-2040		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	249.12	19.58
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	260.47	22.67
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	307.77	25.76
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	389.05	28.34
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	544.92	35.56
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	689.64	48.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	843.51	54.62
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	987.77	71.10
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,461.58	115.94
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,796.01	174.16
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	258.11	19.58
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	304.17	22.67
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	344.30	25.76
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	406.08	28.34
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	564.93	35.56
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	720.33	48.43
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	925.31	54.62
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,030.33	71.10
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,520.83	115.94
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,847.44	174.16
26 05 33 13-2062		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	85.40	12.89
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	92.68	15.97
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	120.57	19.58
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	176.36	22.67
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	209.55	25.76
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	267.27	28.34
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	356.23	35.56
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	464.18	35.56
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	596.84	54.62
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	768.29	71.10
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,402.08	115.94
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,742.03	174.16
26 05 33 13-2075		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	87.41	12.89
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	100.35	15.97
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	124.66	19.58
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	183.87	22.67
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	219.98	25.76
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	289.78	28.34
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	404.38	35.56
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	513.15	35.56
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	685.36	54.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	856.49	71.10
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,563.76	115.94
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,003.10	174.16

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.27	6.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.70	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.77	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.04	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.86	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.49	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.01	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.10	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.51	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.53	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.78	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.65	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.16	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.39	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.83	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.85	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.60	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.84	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.36	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.75	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.17	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.33	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.19	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	83.20	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.35	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.01	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.66	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.07	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.51	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.81	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.78	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	85.48	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	112.28	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.24	27.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	156.30	35.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.31	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.98	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.42	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.14	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.45	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.19	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.59	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.65	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	135.81	27.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.50	35.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	236.95	48.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.88	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.56	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.04	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.29	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.84	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.60	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	103.83	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	129.45	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.64	27.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	175.38	35.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	259.20	48.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.78	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.44	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.43	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.59	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.66	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.48	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	115.20	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	142.85	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	166.73	27.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	197.73	35.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	274.46	48.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.73	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.36	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.79	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.75	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.36	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	81.60	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.22	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	160.02	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	189.93	27.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	236.83	35.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	304.89	48.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.70	6.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.02*	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.45	7.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	

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26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.26	9.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.59	11.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.47	12.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.74	14.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	143.25	17.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.51*	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	185.76	24.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.53*	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	204.16	27.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.38*	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	248.82	35.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.33*	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	309.23	48.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.37*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.77	1.30
		For Work In Restricted Working Space, Add	*0.98*	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.59	1.40
		For Work In Restricted Working Space, Add	*1.06*	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.13	1.50
		For Work In Restricted Working Space, Add	*1.13*	
26 05 33 13-2184	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.68	1.60
		For Work In Restricted Working Space, Add	*1.21*	
26 05 33 13-2185	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.39	1.70
		For Work In Restricted Working Space, Add	*1.28*	
26 05 33 13-2186	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.80	1.80
		For Work In Restricted Working Space, Add	*1.36*	
26 05 33 13-2187	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.29	1.90
		For Work In Restricted Working Space, Add	*1.43*	
26 05 33 13-2188	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	14.05	2.00
		For Work In Restricted Working Space, Add	*1.51*	
26 05 33 13-2189	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.42	2.10
		For Work In Restricted Working Space, Add	*1.58*	
26 05 33 13-2190	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	16.80	2.20
		For Work In Restricted Working Space, Add	*1.66*	
26 05 33 13-2191	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	19.86	2.30
		For Work In Restricted Working Space, Add	*1.73*	
26 05 33 13-2192	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	23.65	2.40
		For Work In Restricted Working Space, Add	*1.81*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	108.36	10.04
		For Work In Restricted Working Space, Add	*7.52*	
		For 24" Radius, Add	*7.50*	
		For 36" Radius, Add	*10.84*	
		For 48" Radius, Add	*14.17*	
26 05 33 13-2195	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	123.33	12.04
		For Work In Restricted Working Space, Add	*9.03*	
		For 24" Radius, Add	*8.50*	
		For 36" Radius, Add	*12.33*	
		For 48" Radius, Add	*16.17*	
26 05 33 13-2196	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	129.30	14.06
		For Work In Restricted Working Space, Add	*10.54*	
		For 24" Radius, Add	*8.82*	
		For 36" Radius, Add	*12.93*	
		For 48" Radius, Add	*17.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2197	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	135.24	16.06
		For Work In Restricted Working Space, Add	*12.04*	
		For 24" Radius, Add	*9.14*	
		For 36" Radius, Add	*13.52*	
		For 48" Radius, Add	*17.91*	
26 05 33 13-2198	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	141.20	18.06
		For Work In Restricted Working Space, Add	*13.55*	
		For 24" Radius, Add	*9.46*	
		For 36" Radius, Add	*14.12*	
		For 48" Radius, Add	*18.78*	
26 05 33 13-2199	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	159.47	20.08
		For Work In Restricted Working Space, Add	*15.05*	
		For 24" Radius, Add	*10.71*	
		For 36" Radius, Add	*15.95*	
		For 48" Radius, Add	*21.19*	
26 05 33 13-2200	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	186.01	22.08
		For Work In Restricted Working Space, Add	*16.56*	
		For 24" Radius, Add	*12.57*	
		For 36" Radius, Add	*18.60*	
		For 48" Radius, Add	*24.63*	
26 05 33 13-2201	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	217.19	24.08
		For Work In Restricted Working Space, Add	*18.07*	
		For 24" Radius, Add	*14.78*	
		For 36" Radius, Add	*21.72*	
		For 48" Radius, Add	*28.65*	
26 05 33 13-2202	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	246.85	28.10
		For Work In Restricted Working Space, Add	*21.08*	
		For 24" Radius, Add	*16.76*	
		For 36" Radius, Add	*24.69*	
		For 48" Radius, Add	*32.61*	
26 05 33 13-2203	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	276.49	36.12
		For Work In Restricted Working Space, Add	*24.08*	
		For 24" Radius, Add	*18.73*	
		For 36" Radius, Add	*27.65*	
		For 48" Radius, Add	*36.57*	
26 05 33 13-2204	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	335.59	36.12
		For Work In Restricted Working Space, Add	*27.10*	
		For 24" Radius, Add	*22.91*	
		For 36" Radius, Add	*33.56*	
		For 48" Radius, Add	*44.21*	
26 05 33 13-2205	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	406.94	40.14
		For Work In Restricted Working Space, Add	*30.11*	
		For 24" Radius, Add	*28.01*	
		For 36" Radius, Add	*40.69*	
		For 48" Radius, Add	*53.38*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	48.54	5.62
		For Work In Restricted Working Space, Add	*4.22*	
26 05 33 13-2208	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	54.48	6.42
		For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-2209	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	56.88	7.22
		For Work In Restricted Working Space, Add	*5.42*	
26 05 33 13-2210	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	59.22	8.02
		For Work In Restricted Working Space, Add	*6.02*	
26 05 33 13-2211	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	62.01	8.84
		For Work In Restricted Working Space, Add	*6.62*	
26 05 33 13-2212	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	71.63	9.64
		For Work In Restricted Working Space, Add	*7.22*	
26 05 33 13-2213	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	84.33	10.84
		For Work In Restricted Working Space, Add	*8.13*	
26 05 33 13-2214	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	98.77	12.04
		For Work In Restricted Working Space, Add	*9.03*	
26 05 33 13-2215	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	112.38	14.06
		For Work In Restricted Working Space, Add	*10.54*	
26 05 33 13-2216	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	125.99	16.06
		For Work In Restricted Working Space, Add	*12.04*	
26 05 33 13-2217	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	152.46	18.06
		For Work In Restricted Working Space, Add	*13.55*	
26 05 33 13-2218	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	184.26	20.08
		For Work In Restricted Working Space, Add	*15.05*	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 33 13-2219 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	33.51	5.62
		For Work In Restricted Working Space, Add	*4.22*	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	37.68	6.42
		For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	39.91	7.22
		For Work In Restricted Working Space, Add	*5.42*	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	42.16	8.02
		For Work In Restricted Working Space, Add	*6.02*	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	44.38	8.84
		For Work In Restricted Working Space, Add	*6.62*	
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	46.51	9.64
		For Work In Restricted Working Space, Add	*7.22*	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	54.02	10.84
		For Work In Restricted Working Space, Add	*8.13*	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	62.41	12.04
		For Work In Restricted Working Space, Add	*9.03*	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	71.47	14.06
		For Work In Restricted Working Space, Add	*10.54*	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	80.53	16.06
		For Work In Restricted Working Space, Add	*12.04*	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	95.69	18.06
		For Work In Restricted Working Space, Add	*13.55*	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	113.29	20.08
		For Work In Restricted Working Space, Add	*15.05*	

26 05 33 13-2232 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-2179)*

26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	32.20	3.22
		For Work In Restricted Working Space, Add	*2.41*	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	35.92	3.62
		For Work In Restricted Working Space, Add	*2.71*	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	37.22	4.02
		For Work In Restricted Working Space, Add	*3.01*	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	38.38	4.42
		For Work In Restricted Working Space, Add	*3.31*	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	40.00	4.82
		For Work In Restricted Working Space, Add	*3.61*	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	47.35	5.62
		For Work In Restricted Working Space, Add	*4.22*	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	56.99	6.82
		For Work In Restricted Working Space, Add	*5.12*	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	67.99	8.02
		For Work In Restricted Working Space, Add	*6.02*	
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	78.97	10.04
		For Work In Restricted Working Space, Add	*7.52*	
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	89.98	12.04
		For Work In Restricted Working Space, Add	*9.03*	
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	109.94	14.06
		For Work In Restricted Working Space, Add	*10.54*	
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	133.70	16.06
		For Work In Restricted Working Space, Add	*12.04*	

26 05 33 13-2245 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	76.83	20.08
		For Work In Restricted Working Space, Add	*15.05*	
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	89.78	24.08
		For Work In Restricted Working Space, Add	*18.07*	
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	100.15	28.10
		For Work In Restricted Working Space, Add	*21.08*	
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	110.37	32.12
		For Work In Restricted Working Space, Add	*24.08*	
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	116.07	34.12
		For Work In Restricted Working Space, Add	*25.59*	
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	126.95	36.12
		For Work In Restricted Working Space, Add	*27.10*	
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	139.29	38.14
		For Work In Restricted Working Space, Add	*28.60*	
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	153.11	40.14
		For Work In Restricted Working Space, Add	*30.11*	
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	164.72	42.16
		For Work In Restricted Working Space, Add	*31.61*	
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	176.33	44.16
		For Work In Restricted Working Space, Add	*33.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2256	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	197.83	46.16
		For Work In Restricted Working Space, Add	*34.63*	
26 05 33 13-2257	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	223.45	48.18
		For Work In Restricted Working Space, Add	*36.13*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	87.65	20.08
		For Work In Restricted Working Space, Add	*15.05*	
26 05 33 13-2260	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	101.92	24.08
		For Work In Restricted Working Space, Add	*18.07*	
26 05 33 13-2261	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	112.35	28.10
		For Work In Restricted Working Space, Add	*21.08*	
26 05 33 13-2262	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	122.69	32.12
		For Work In Restricted Working Space, Add	*24.08*	
26 05 33 13-2263	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	128.50	34.12
		For Work In Restricted Working Space, Add	*25.59*	
26 05 33 13-2264	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	141.14	36.12
		For Work In Restricted Working Space, Add	*27.10*	
26 05 33 13-2265	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	156.33	38.14
		For Work In Restricted Working Space, Add	*28.60*	
26 05 33 13-2266	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	173.55	40.14
		For Work In Restricted Working Space, Add	*30.11*	
26 05 33 13-2267	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	187.72	42.16
		For Work In Restricted Working Space, Add	*31.61*	
26 05 33 13-2268	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	201.90	44.16
		For Work In Restricted Working Space, Add	*33.12*	
26 05 33 13-2269	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	229.88	46.16
		For Work In Restricted Working Space, Add	*34.63*	
26 05 33 13-2270	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	263.51	48.18
		For Work In Restricted Working Space, Add	*36.13*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

26 05 33 13-2272	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	103.17	5.62
		For Work In Restricted Working Space, Add	*4.22*	
26 05 33 13-2273	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.05	6.42
		For Work In Restricted Working Space, Add	*4.82*	
26 05 33 13-2274	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	120.09	7.22
		For Work In Restricted Working Space, Add	*5.42*	
26 05 33 13-2275	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	125.28	8.02
		For Work In Restricted Working Space, Add	*6.02*	
26 05 33 13-2276	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	128.92	8.84
		For Work In Restricted Working Space, Add	*6.62*	
26 05 33 13-2277	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	141.09	9.64
		For Work In Restricted Working Space, Add	*7.22*	
26 05 33 13-2278	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	167.52	10.84
		For Work In Restricted Working Space, Add	*8.13*	
26 05 33 13-2279	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	198.52	12.04
		For Work In Restricted Working Space, Add	*9.03*	
26 05 33 13-2280	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	224.60	14.06
		For Work In Restricted Working Space, Add	*10.54*	
26 05 33 13-2281	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	250.68	16.06
		For Work In Restricted Working Space, Add	*12.04*	
26 05 33 13-2282	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	308.41	18.06
		For Work In Restricted Working Space, Add	*13.55*	
26 05 33 13-2283	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	377.20	20.08
		For Work In Restricted Working Space, Add	*15.05*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	106.48	20.08
		For Work In Restricted Working Space, Add	*15.05*	
26 05 33 13-2286	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	122.78	24.08
		For Work In Restricted Working Space, Add	*18.07*	
26 05 33 13-2287	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	147.54	28.10
		For Work In Restricted Working Space, Add	*21.08*	
26 05 33 13-2288	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	184.48	32.12
		For Work In Restricted Working Space, Add	*24.08*	
26 05 33 13-2289	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	228.14	34.12
		For Work In Restricted Working Space, Add	*25.59*	
26 05 33 13-2290	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	302.01	36.12
		For Work In Restricted Working Space, Add	*27.10*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2291		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	428.45	38.14
			For Work In Restricted Working Space, Add	*28.60*	
26 05 33 13-2292		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	513.41	40.14
			For Work In Restricted Working Space, Add	*30.11*	
26 05 33 13-2293		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	613.37	42.16
			For Work In Restricted Working Space, Add	*31.61*	
26 05 33 13-2294		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	713.33	44.16
			For Work In Restricted Working Space, Add	*33.12*	
26 05 33 13-2295		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	831.60	46.16
			For Work In Restricted Working Space, Add	*34.63*	
26 05 33 13-2296		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,336.28	48.18
			For Work In Restricted Working Space, Add	*36.13*	

26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	10.80
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	11.57
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	12.82
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	13.77
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.95
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	13.86
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	16.03
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.88
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	17.70
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	17.12
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	20.21
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	19.33
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	21.91
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	20.96
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	22.59
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	21.55
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	24.99
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	23.76
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	28.33
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	27.30

26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	18.59
		For Aluminum Conduit Bending, Add	*12.27*
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	23.22
		For Aluminum Conduit Bending, Add	*15.33*
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	29.04
		For Aluminum Conduit Bending, Add	*19.17*
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	40.65
		For Aluminum Conduit Bending, Add	*26.83*
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	52.26
		For Aluminum Conduit Bending, Add	*34.49*
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending	69.68
		For Aluminum Conduit Bending, Add	*45.99*
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending	81.30
		For Aluminum Conduit Bending, Add	*53.66*
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending	92.91
		For Aluminum Conduit Bending, Add	*61.32*
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending	110.33
		For Aluminum Conduit Bending, Add	*72.82*

26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

26 05 33 13-2330	EA	1" Plastic Conduit Field Bending	26.71
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending	29.04
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending	34.84
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending	46.46
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending	58.07
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending	69.68
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending	81.30
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending	92.91
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending	104.52
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending	116.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2340		Cut And Thread Existing In-Place Threaded Conduit *(26 05 33 13-0058)* Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	33.90	
		For Work In Restricted Working Space, Add	*10.17*	
26 05 33 13-2342	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	37.29	
		For Work In Restricted Working Space, Add	*11.19*	
26 05 33 13-2343	EA	1", Cut And Thread Existing In-Place Threaded Conduit	40.68	
		For Work In Restricted Working Space, Add	*12.20*	
26 05 33 13-2344	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	44.07	
		For Work In Restricted Working Space, Add	*13.22*	
26 05 33 13-2345	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	46.33	
		For Work In Restricted Working Space, Add	*13.90*	
26 05 33 13-2346	EA	2", Cut And Thread Existing In-Place Threaded Conduit	48.59	
		For Work In Restricted Working Space, Add	*14.58*	
26 05 33 13-2347	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	50.85	
		For Work In Restricted Working Space, Add	*15.26*	
26 05 33 13-2348	EA	3", Cut And Thread Existing In-Place Threaded Conduit	53.11	
		For Work In Restricted Working Space, Add	*15.93*	
26 05 33 13-2349	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	54.24	
		For Work In Restricted Working Space, Add	*16.27*	
26 05 33 13-2350	EA	4", Cut And Thread Existing In-Place Threaded Conduit	55.37	
		For Work In Restricted Working Space, Add	*16.61*	
26 05 33 13-2351	EA	5", Cut And Thread Existing In-Place Threaded Conduit	57.63	
		For Work In Restricted Working Space, Add	*17.29*	
26 05 33 13-2352	EA	6", Cut And Thread Existing In-Place Threaded Conduit	59.89	
		For Work In Restricted Working Space, Add	*17.97*	
26 05 33 13-2353		Flexible Conduit *(26 05 33 13-0058)*		
26 05 33 13-2354		Flexible Liquid Tight Metallic Conduit And Connectors *(26 05 33 13-2353)* Note: Steel inner core with PVC cover.		
26 05 33 13-2355		Flexible Liquid Tight Metallic Conduit *(26 05 33 13-2354)*		
26 05 33 13-2356	LF	3/8" Flexible Liquid Tight Metallic Conduit	4.59	1.23
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.46*	
		For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2357	LF	1/2" Flexible Liquid Tight Metallic Conduit	4.81	1.23
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.46*	
		For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2358	LF	3/4" Flexible Liquid Tight Metallic Conduit	6.45	1.64
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2359	LF	1" Flexible Liquid Tight Metallic Conduit	7.64	1.64
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.62*	
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	9.95	2.07
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.55*	
26 05 33 13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	12.92	2.48
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.86*	
26 05 33 13-2362	LF	2" Flexible Liquid Tight Metallic Conduit	16.95	3.30
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.24*	
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	23.67	3.71
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.39*	
		For Work In Restricted Working Space, Add	*2.78*	
26 05 33 13-2364	LF	3" Flexible Liquid Tight Metallic Conduit	35.53	4.53
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.70*	
		For Work In Restricted Working Space, Add	*3.40*	
26 05 33 13-2365	LF	4" Flexible Liquid Tight Metallic Conduit	48.97	5.78
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.16*	
		For Work In Restricted Working Space, Add	*4.33*	
26 05 33 13-2366		Straight Liquid Tight Connector *(26 05 33 13-2354)*		
26 05 33 13-2367	EA	3/8" Straight Liquid Tight Connector	12.51	3.30
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2368	EA	1/2" Straight Liquid Tight Connector	12.51	3.30
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2369	EA	3/4" Straight Liquid Tight Connector	15.40	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-2370	EA	1" Straight Liquid Tight Connector	21.22	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-2371	EA	1-1/4" Straight Liquid Tight Connector	27.83	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	35.90	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	50.29	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	181.35	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	235.18	7.83
		For Work In Restricted Working Space, Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	286.34	11.54
		For Work In Restricted Working Space, Add	*8.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.66*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	18.46	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	19.38	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	22.04	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	32.03	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	41.20	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	50.67	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	68.05	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	255.33	7.83
		For Work In Restricted Working Space, Add	*5.87*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	301.84	9.06
		For Work In Restricted Working Space, Add	*6.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.80*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	416.09	14.43
		For Work In Restricted Working Space, Add	*10.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.82*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	18.15	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	18.37	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	22.04	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	34.54	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	39.57	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	44.60	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	

26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit	4.19	1.35
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.50*	
		For Installation In Metal Stud Wall, Add	*0.33*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.83*	
		For Work In Restricted Working Space, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit	4.35	1.35
		For Flexible Aluminum Conduit, Add	*0.16*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.51*	
		For Installation In Metal Stud Wall, Add	*0.34*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.85*	
		For Work In Restricted Working Space, Add	*1.02*	
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit	4.98	1.80
		For Flexible Aluminum Conduit, Add	*0.22*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.55*	
		For Installation In Metal Stud Wall, Add	*0.37*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.92*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit	6.40	1.80
		For Flexible Aluminum Conduit, Add	*0.40*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.59*	
		For Installation In Metal Stud Wall, Add	*0.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.99*	
		For Work In Restricted Working Space, Add	*1.19*	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit	7.37	2.26
		For Flexible Aluminum Conduit, Add	*0.53*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.63*	
		For Installation In Metal Stud Wall, Add	*0.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.04*	
		For Work In Restricted Working Space, Add	*1.25*	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit	9.95	2.71
		For Flexible Aluminum Conduit, Add	*0.93*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.65*	
		For Installation In Metal Stud Wall, Add	*0.43*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.09*	
		For Work In Restricted Working Space, Add	*1.30*	
26 05 33 13-2403	LF	2" Flexible Metallic Conduit	11.39	3.61
		For Flexible Aluminum Conduit, Add	*1.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.68*	
		For Installation In Metal Stud Wall, Add	*0.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.13*	
		For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit	13.96	4.06
		For Flexible Aluminum Conduit, Add	*1.37*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.85*	
		For Installation In Metal Stud Wall, Add	*0.56*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.41*	
		For Work In Restricted Working Space, Add	*1.69*	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit	21.23	4.96
		For Flexible Aluminum Conduit, Add	*2.39*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.02*	
		For Installation In Metal Stud Wall, Add	*0.68*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.69*	
		For Work In Restricted Working Space, Add	*2.03*	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit	26.12	5.41
		For Flexible Aluminum Conduit, Add	*3.01*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.19*	
		For Installation In Metal Stud Wall, Add	*0.79*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.98*	
		For Work In Restricted Working Space, Add	*2.37*	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit	30.05	6.32
		For Flexible Aluminum Conduit, Add	*3.47*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.35*	
		For Installation In Metal Stud Wall, Add	*0.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.26*	
		For Work In Restricted Working Space, Add	*2.71*	

26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain	7.29	3.61
		For Work In Restricted Working Space, Add	*1.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.52*	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain	9.16	4.06
		For Work In Restricted Working Space, Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.69*	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain	10.48	4.96
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain	17.16	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain	24.61	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain	32.61	7.67
		For Work In Restricted Working Space, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	43.24	7.67
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	71.44	9.47
		For Work In Restricted Working Space, Add	*5.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.92*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	94.24	10.37
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	302.59	12.18
		For Work In Restricted Working Space, Add	*7.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.61*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	378.90	14.89
		For Work In Restricted Working Space, Add	*8.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	10.37	4.06
		For Work In Restricted Working Space, Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.69*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	12.07	4.96
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	19.33	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	28.59	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	39.68	6.77
		For Work In Restricted Working Space, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	55.73	7.67
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	98.17	9.47
		For Work In Restricted Working Space, Add	*5.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.92*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	125.75	10.37
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	351.17	12.18
		For Work In Restricted Working Space, Add	*7.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.61*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	451.93	14.89
		For Work In Restricted Working Space, Add	*8.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	10.32	4.51
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	13.85	4.96
		For Work In Restricted Working Space, Add	*2.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.37*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	18.33	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	25.97	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	41.42	6.77
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	65.67	7.90
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	79.47	9.70
		For Work In Restricted Working Space, Add	*5.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.75*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	179.70	10.37
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	231.68	12.18
		For Work In Restricted Working Space, Add	*7.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.61*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	497.35	14.89
		For Work In Restricted Working Space, Add	*8.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	892.32	16.92
		For Work In Restricted Working Space, Add	*10.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	15.53	4.96
		For Work In Restricted Working Space, Add	*2.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.37*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	20.40	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	25.97	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	48.80	6.77
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	79.06	7.90
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	101.24	9.70
		For Work In Restricted Working Space, Add	*5.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.75*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	247.76	10.37
		For Work In Restricted Working Space, Add	*6.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	305.41	12.18
		For Work In Restricted Working Space, Add	*7.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.61*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	831.54	14.89
		For Work In Restricted Working Space, Add	*8.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,242.35	16.92
		For Work In Restricted Working Space, Add	*10.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	11.68	4.51
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	16.02	4.96
		For Work In Restricted Working Space, Add	*2.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.37*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	20.76	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	12.62	5.41
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	17.56	4.96
		For Work In Restricted Working Space, Add	*2.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.37*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	22.93	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	5.89	3.61
		For Work In Restricted Working Space, Add	*1.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.52*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	6.32	4.06
		For Work In Restricted Working Space, Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.69*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	8.15	4.96
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	11.80	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	17.78	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	21.67	6.77
		For Work In Restricted Working Space, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	32.64	7.67
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	6.29	3.61
		For Work In Restricted Working Space, Add	*1.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	6.64	4.06
		For Work In Restricted Working Space, Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.69*	
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	8.98	4.96
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	13.05	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	19.57	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	23.82	6.77
		For Work In Restricted Working Space, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	34.53	7.67
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	

26 05 33 13-2478 Screw-In Coupling *(26 05 33 13-2395)*

26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	7.11	4.06
		For Work In Restricted Working Space, Add	*1.69*	
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	9.45	4.96
		For Work In Restricted Working Space, Add	*2.03*	

26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2395)*

26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	10.07	3.61
		For Work In Restricted Working Space, Add	*1.52*	
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	13.97	4.06
		For Work In Restricted Working Space, Add	*1.69*	
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	18.62	4.96
		For Work In Restricted Working Space, Add	*2.03*	

26 05 33 13-2485 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	6.14	3.61
		For Work In Restricted Working Space, Add	*1.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.52*	
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	6.97	4.06
		For Work In Restricted Working Space, Add	*1.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.69*	
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	8.71	4.96
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	13.34	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	18.16	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	24.90	6.77
		For Work In Restricted Working Space, Add	*4.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.23*	
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	32.46	7.67
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	

26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	8.13	4.51
		For Work In Restricted Working Space, Add	*2.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.03*	
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	10.19	4.96
		For Work In Restricted Working Space, Add	*2.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.37*	
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	12.47	5.41
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	20.40	6.32
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	29.45	6.77
		For Work In Restricted Working Space, Add	*4.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	46.63	7.90
		For Work In Restricted Working Space, Add	*5.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	55.98	9.70
		For Work In Restricted Working Space, Add	*5.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2501		**Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
26 05 33 13-2502		**Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2501)*		
26 05 33 13-2503	LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	4.29	1.23
		For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2504	LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	4.39	1.23
		For Work In Restricted Working Space, Add	*0.93*	
26 05 33 13-2505	LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	5.92	1.64
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2506	LF	1" Flexible Liquid Tight Non-Metallic Conduit	7.75	1.64
		For Work In Restricted Working Space, Add	*1.24*	
26 05 33 13-2507	LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	9.87	2.07
		For Work In Restricted Working Space, Add	*1.55*	
26 05 33 13-2508	LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	12.76	2.48
		For Work In Restricted Working Space, Add	*1.86*	
26 05 33 13-2509	LF	2" Flexible Liquid Tight Non-Metallic Conduit	16.24	3.30
		For Work In Restricted Working Space, Add	*2.47*	
26 05 33 13-2510		**Liquid Tight Non-Metallic Straight Connector** *(26 05 33 13-2501)*		
26 05 33 13-2511	EA	3/8" Liquid Tight Non-Metallic Straight Connector	12.65	3.30
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2512	EA	1/2" Liquid Tight Non-Metallic Straight Connector	12.65	3.30
		For Work In Restricted Working Space, Add	*2.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.47*	
26 05 33 13-2513	EA	3/4" Liquid Tight Non-Metallic Straight Connector	15.81	3.71
		For Work In Restricted Working Space, Add	*2.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-2514	EA	1" Liquid Tight Non-Metallic Straight Connector	20.13	4.12
		For Work In Restricted Working Space, Add	*3.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 33 13-2515	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	28.95	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2516	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	36.89	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2517	EA	2" Liquid Tight Non-Metallic Straight Connector	59.41	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-2518		**Liquid Tight Non-Metallic 90 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2519	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.51	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2520	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	18.51	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2521	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	23.41	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2522	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	34.37	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-2523	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	35.30	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	
26 05 33 13-2524	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	59.03	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2525	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	80.81	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	
26 05 33 13-2526		**Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2527	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.51	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2528	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	18.51	4.53
		For Work In Restricted Working Space, Add	*3.40*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.40*	
26 05 33 13-2529	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	23.41	4.94
		For Work In Restricted Working Space, Add	*3.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.71*	
26 05 33 13-2530	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	34.37	5.78
		For Work In Restricted Working Space, Add	*4.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.33*	
26 05 33 13-2531	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	35.30	6.19
		For Work In Restricted Working Space, Add	*4.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	59.03	6.60
		For Work In Restricted Working Space, Add	*4.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.94*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	80.81	7.42
		For Work In Restricted Working Space, Add	*5.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.57*	

26 05 33 13-2534 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2353)*

Note: Carlon - FLEX-PLUS.

26 05 33 13-2535 Blue ENT Electrical Non-Metallic Tubing *(26 05 33 13-2534)*

26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	4.95	1.35
		For Work In Restricted Working Space, Add	*1.02*	
26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	6.69	1.80
		For Work In Restricted Working Space, Add	*1.35*	
26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing	8.03	1.80
		For Work In Restricted Working Space, Add	*1.35*	

26 05 33 13-2539 Terminal Adapter *(26 05 33 13-2534)*

26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	11.59	3.61
		For Work In Restricted Working Space, Add	*2.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.71*	
26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	14.84	4.06
		For Work In Restricted Working Space, Add	*3.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.05*	
26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	17.31	4.51
		For Work In Restricted Working Space, Add	*3.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	

26 05 33 13-2543 Coupling *(26 05 33 13-2534)*

26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	11.25	3.61
		For Work In Restricted Working Space, Add	*2.71*	
26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	13.05	4.06
		For Work In Restricted Working Space, Add	*3.05*	
26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	15.63	4.51
		For Work In Restricted Working Space, Add	*3.38*	

26 05 33 13-2547 Metallic Conduit Bodies *(26 05 33 13-0058)*

26 05 33 13-2548 Threaded, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)

26 05 33 13-2549 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2550	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.24	19.78
		For Mogul LB, Add	*6.35*	
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-2551	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	72.65	22.67
		For Mogul LB, Add	*9.15*	
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2552	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	88.70	26.38
		For Mogul LB, Add	*13.77*	
		For Work In Restricted Working Space, Add	*19.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.98*	
		For Elevated Installation >40' Above Floor, Add	*36.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	109.20	30.09
		For Mogul LB, Add	*21.72*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.62*	
		For Elevated Installation >40' Above Floor, Add	*41.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	126.26	32.98
		For Mogul LB, Add	*28.74*	
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	169.71	39.57
		For Mogul LB, Add	*48.14*	
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	295.78	55.65
		For Mogul LB, Add	*110.54*	
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*48.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*55.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*69.56*	
		For Elevated Installation >40' Above Floor, Add	*76.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.74*	
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	387.77	74.19
		For Mogul LB, Add	*142.43*	
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	521.15	92.74
		For Mogul LB, Add	*205.37*	
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	684.34	112.95
		For Mogul LB, Add	*287.37*	
		For Work In Restricted Working Space, Add	*84.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*56.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*70.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*98.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*112.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*141.18*	
		For Elevated Installation >40' Above Floor, Add	*155.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.71*	

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	62.67	19.78
		For Mogul LB, Add	*7.43*	
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.05	22.67
		For Mogul LB, Add	*10.20*	
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	91.51	26.38
		For Mogul LB, Add	*15.87*	
		For Work In Restricted Working Space, Add	*19.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.98*	
		For Elevated Installation >40' Above Floor, Add	*36.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.63	30.09
		For Mogul LB, Add	*24.29*	
		For Work In Restricted Working Space, Add	*22.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.62*	
		For Elevated Installation >40' Above Floor, Add	*41.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	132.10	32.98
		For Mogul LB, Add	*33.12*	
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	182.23	39.57
		For Mogul LB, Add	*57.53*	
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	289.47	55.65
		For Mogul LB, Add	*105.81*	
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*48.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*55.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*69.56*	
		For Elevated Installation >40' Above Floor, Add	*76.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	366.54	74.19
		For Mogul LB, Add	*126.51*	
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	539.24	92.74
		For Mogul LB, Add	*218.94*	
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	721.33	112.95
		For Mogul LB, Add	*315.11*	
		For Work In Restricted Working Space, Add	*84.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*56.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*70.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*98.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*112.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*141.18*	
		For Elevated Installation >40' Above Floor, Add	*155.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.71*	
26 05 33 13-2571		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2572	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	72.27	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	86.04	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.98*	
		For Elevated Installation >40' Above Floor, Add	*36.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	100.57	28.86
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	125.53	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	146.69	36.28
		For Work In Restricted Working Space, Add	*27.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.35*	
		For Elevated Installation >40' Above Floor, Add	*49.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	201.92	42.46
		For Work In Restricted Working Space, Add	*31.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.07*	
		For Elevated Installation >40' Above Floor, Add	*58.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.84*	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	323.81	61.83
		For Work In Restricted Working Space, Add	*46.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.29*	
		For Elevated Installation >40' Above Floor, Add	*85.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.37*	
26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	417.90	80.38
		For Work In Restricted Working Space, Add	*60.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*40.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*50.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*70.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*80.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*100.48*	
		For Elevated Installation >40' Above Floor, Add	*110.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	697.92	98.93
		For Work In Restricted Working Space, Add	*74.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*24.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*49.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*61.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*86.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*98.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*123.66*	
		For Elevated Installation >40' Above Floor, Add	*136.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.20*	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	793.94	119.13
		For Work In Restricted Working Space, Add	*89.34*	
		For Elevated Installation >10' To 15' Above Floor, Add	*29.78*	
		For Elevated Installation >15' To 20' Above Floor, Add	*59.56*	
		For Elevated Installation >20' To 25' Above Floor, Add	*74.45*	
		For Elevated Installation >25' To 30' Above Floor, Add	*104.23*	
		For Elevated Installation >30' To 35' Above Floor, Add	*119.12*	
		For Elevated Installation >35' To 40' Above Floor, Add	*148.91*	
		For Elevated Installation >40' Above Floor, Add	*163.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.34*	
26 05 33 13-2582		Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	62.96	19.78
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	73.06	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	89.34	25.97
		For Work In Restricted Working Space, Add	*19.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.46*	
		For Elevated Installation >40' Above Floor, Add	*35.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	111.26	30.09
		For Work In Restricted Working Space, Add	*22.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.62*	
		For Elevated Installation >40' Above Floor, Add	*41.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	125.31	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	169.82	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	284.15	55.65
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.82*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*48.69*	
		For Elevated Installation >30' To 35' Above Floor, Add	*55.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*69.56*	
		For Elevated Installation >40' Above Floor, Add	*76.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.74*	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	363.15	74.19
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	528.36	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	687.74	112.95
		For Work In Restricted Working Space, Add	*84.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*56.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*70.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*98.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*112.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*141.18*	
		For Elevated Installation >40' Above Floor, Add	*155.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.71*	
26 05 33 13-2593		Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2594	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	84.07	25.97
		For Work In Restricted Working Space, Add	*19.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.46*	
		For Elevated Installation >40' Above Floor, Add	*35.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	98.04	28.86
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	123.17	31.74
		For Work In Restricted Working Space, Add	*23.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.68*	
		For Elevated Installation >40' Above Floor, Add	*43.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	142.29	36.28
		For Work In Restricted Working Space, Add	*27.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.35*	
		For Elevated Installation >40' Above Floor, Add	*49.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.21*	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	189.31	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	228.18	48.64
		For Work In Restricted Working Space, Add	*36.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*42.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*48.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*60.80*	
		For Elevated Installation >40' Above Floor, Add	*66.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.48*	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	442.71	71.31
		For Work In Restricted Working Space, Add	*53.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*71.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*89.14*	
		For Elevated Installation >40' Above Floor, Add	*98.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.48*	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	541.63	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	788.14	114.59
		For Work In Restricted Working Space, Add	*86.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.86*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.71*	
		For Elevated Installation >20' To 25' Above Floor, Add	*72.14*	
		For Elevated Installation >25' To 30' Above Floor, Add	*100.99*	
		For Elevated Installation >30' To 35' Above Floor, Add	*115.42*	
		For Elevated Installation >35' To 40' Above Floor, Add	*144.28*	
		For Elevated Installation >40' Above Floor, Add	*158.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	953.66	137.68
		For Work In Restricted Working Space, Add	*103.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*34.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*68.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*86.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*120.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*137.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*172.10*	
		For Elevated Installation >40' Above Floor, Add	*189.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.26*	
26 05 33 13-2604		Threaded, Malleable Iron Conduit Body *(26 05 33 13-2547)* Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
26 05 33 13-2605		Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*		
26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.24	19.78
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-2607	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	76.01	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2608	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	94.77	26.38
		For Work In Restricted Working Space, Add	*19.79*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.60*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.49*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.08*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.98*	
		For Elevated Installation >40' Above Floor, Add	*36.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2609	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	126.93	30.09
		For Work In Restricted Working Space, Add	*22.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.62*	
		For Elevated Installation >40' Above Floor, Add	*41.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-2610	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	145.86	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.98*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2611	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	205.06	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2612	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	356.37	55.65
		For Work In Restricted Working Space, Add	*41.74*	
		For Elevated Installation >10' To 15' Above Floor, Add	*13.91*	
		For Elevated Installation >15' To 20' Above Floor, Add	*27.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*34.78*	
		For Elevated Installation >25' To 30' Above Floor, Add	*48.70*	
		For Elevated Installation >30' To 35' Above Floor, Add	*55.65*	
		For Elevated Installation >35' To 40' Above Floor, Add	*69.57*	
		For Elevated Installation >40' Above Floor, Add	*76.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2613	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	509.57	74.19
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2614	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	711.64	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2615	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	849.70	112.95
		For Work In Restricted Working Space, Add	*84.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*56.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*70.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*98.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*112.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*141.18*	
		For Elevated Installation >40' Above Floor, Add	*155.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.71*	

26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2617	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	68.89	19.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-2618	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	77.08	22.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2619	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	100.34	26.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.79*	
26 05 33 13-2620	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	130.67	30.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-2621	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	150.43	32.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2622	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	195.68	39.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2623	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	304.28	55.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.74*	
26 05 33 13-2624	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	415.91	74.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	
26 05 33 13-2625	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	766.80	92.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2626	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	890.38	112.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.71*	

26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2628	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	82.71	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.33*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.83*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2629	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	97.43	26.38
		For Work In Restricted Working Space, Add	*20.09*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.70*	
		For Elevated Installation >15' To 20' Above Floor, Add	*13.40*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.75*	
		For Elevated Installation >25' To 30' Above Floor, Add	*23.44*	
		For Elevated Installation >30' To 35' Above Floor, Add	*26.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*33.49*	
		For Elevated Installation >40' Above Floor, Add	*36.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2630	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	118.20	28.86
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-2631	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	152.77	32.98
		For Work In Restricted Working Space, Add	*24.42*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.14*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.28*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.35*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.49*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.56*	
		For Elevated Installation >35' To 40' Above Floor, Add	*40.71*	
		For Elevated Installation >40' Above Floor, Add	*44.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.42*	
26 05 33 13-2632	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	176.44	36.28
		For Work In Restricted Working Space, Add	*27.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.35*	
		For Elevated Installation >40' Above Floor, Add	*49.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.21*	
26 05 33 13-2633	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	240.49	42.46
		For Work In Restricted Working Space, Add	*31.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*10.61*	
		For Elevated Installation >15' To 20' Above Floor, Add	*21.23*	
		For Elevated Installation >20' To 25' Above Floor, Add	*26.54*	
		For Elevated Installation >25' To 30' Above Floor, Add	*37.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*42.46*	
		For Elevated Installation >35' To 40' Above Floor, Add	*53.07*	
		For Elevated Installation >40' Above Floor, Add	*58.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.84*	
26 05 33 13-2634	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	295.52	61.83
		For Work In Restricted Working Space, Add	*46.37*	
		For Elevated Installation >10' To 15' Above Floor, Add	*15.46*	
		For Elevated Installation >15' To 20' Above Floor, Add	*30.91*	
		For Elevated Installation >20' To 25' Above Floor, Add	*38.64*	
		For Elevated Installation >25' To 30' Above Floor, Add	*54.10*	
		For Elevated Installation >30' To 35' Above Floor, Add	*61.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*77.29*	
		For Elevated Installation >40' Above Floor, Add	*85.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.37*	
26 05 33 13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	435.18	80.38
		For Work In Restricted Working Space, Add	*60.29*	
		For Elevated Installation >10' To 15' Above Floor, Add	*20.10*	
		For Elevated Installation >15' To 20' Above Floor, Add	*40.19*	
		For Elevated Installation >20' To 25' Above Floor, Add	*50.24*	
		For Elevated Installation >25' To 30' Above Floor, Add	*70.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*80.38*	
		For Elevated Installation >35' To 40' Above Floor, Add	*100.48*	
		For Elevated Installation >40' Above Floor, Add	*110.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.29*	
26 05 33 13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	807.73	98.93
		For Work In Restricted Working Space, Add	*74.20*	
		For Elevated Installation >10' To 15' Above Floor, Add	*24.73*	
		For Elevated Installation >15' To 20' Above Floor, Add	*49.46*	
		For Elevated Installation >20' To 25' Above Floor, Add	*61.83*	
		For Elevated Installation >25' To 30' Above Floor, Add	*86.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*98.93*	
		For Elevated Installation >35' To 40' Above Floor, Add	*123.66*	
		For Elevated Installation >40' Above Floor, Add	*136.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.20*	
26 05 33 13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	928.89	119.13
		For Work In Restricted Working Space, Add	*89.66*	
		For Elevated Installation >10' To 15' Above Floor, Add	*29.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*59.77*	
		For Elevated Installation >20' To 25' Above Floor, Add	*74.71*	
		For Elevated Installation >25' To 30' Above Floor, Add	*104.60*	
		For Elevated Installation >30' To 35' Above Floor, Add	*119.54*	
		For Elevated Installation >35' To 40' Above Floor, Add	*149.43*	
		For Elevated Installation >40' Above Floor, Add	*164.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.66*	

26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.52	19.78
		For Work In Restricted Working Space, Add	*14.84*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.95*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.89*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.37*	
		For Elevated Installation >25' To 30' Above Floor, Add	*17.31*	
		For Elevated Installation >30' To 35' Above Floor, Add	*19.79*	
		For Elevated Installation >35' To 40' Above Floor, Add	*24.74*	
		For Elevated Installation >40' Above Floor, Add	*27.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.84*	
26 05 33 13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	80.74	22.67
		For Work In Restricted Working Space, Add	*17.00*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.67*	
		For Elevated Installation >15' To 20' Above Floor, Add	*11.34*	
		For Elevated Installation >20' To 25' Above Floor, Add	*14.17*	
		For Elevated Installation >25' To 30' Above Floor, Add	*19.84*	
		For Elevated Installation >30' To 35' Above Floor, Add	*22.67*	
		For Elevated Installation >35' To 40' Above Floor, Add	*28.34*	
		For Elevated Installation >40' Above Floor, Add	*31.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.00*	
26 05 33 13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	95.06	25.97
		For Work In Restricted Working Space, Add	*19.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.99*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.73*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.47*	
		For Elevated Installation >40' Above Floor, Add	*35.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 05 33 13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	133.80	30.09
		For Work In Restricted Working Space, Add	*22.57*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.52*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.05*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.81*	
		For Elevated Installation >25' To 30' Above Floor, Add	*26.33*	
		For Elevated Installation >30' To 35' Above Floor, Add	*30.09*	
		For Elevated Installation >35' To 40' Above Floor, Add	*37.62*	
		For Elevated Installation >40' Above Floor, Add	*41.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.57*	
26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	158.74	32.98
		For Work In Restricted Working Space, Add	*24.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*8.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*16.49*	
		For Elevated Installation >20' To 25' Above Floor, Add	*20.61*	
		For Elevated Installation >25' To 30' Above Floor, Add	*28.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*32.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*41.22*	
		For Elevated Installation >40' Above Floor, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.73*	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	208.74	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	449.61	104.39
		For Work In Restricted Working Space, Add	*78.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*26.09*	
		For Elevated Installation >15' To 20' Above Floor, Add	*52.17*	
		For Elevated Installation >20' To 25' Above Floor, Add	*65.22*	
		For Elevated Installation >25' To 30' Above Floor, Add	*91.30*	
		For Elevated Installation >30' To 35' Above Floor, Add	*104.34*	
		For Elevated Installation >35' To 40' Above Floor, Add	*130.43*	
		For Elevated Installation >40' Above Floor, Add	*143.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.26*	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	455.25	74.19
		For Work In Restricted Working Space, Add	*55.65*	
		For Elevated Installation >10' To 15' Above Floor, Add	*18.55*	
		For Elevated Installation >15' To 20' Above Floor, Add	*37.10*	
		For Elevated Installation >20' To 25' Above Floor, Add	*46.38*	
		For Elevated Installation >25' To 30' Above Floor, Add	*64.93*	
		For Elevated Installation >30' To 35' Above Floor, Add	*74.20*	
		For Elevated Installation >35' To 40' Above Floor, Add	*92.75*	
		For Elevated Installation >40' Above Floor, Add	*102.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	766.80	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	890.37	112.95
		For Work In Restricted Working Space, Add	*84.71*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.24*	
		For Elevated Installation >15' To 20' Above Floor, Add	*56.47*	
		For Elevated Installation >20' To 25' Above Floor, Add	*70.59*	
		For Elevated Installation >25' To 30' Above Floor, Add	*98.82*	
		For Elevated Installation >30' To 35' Above Floor, Add	*112.94*	
		For Elevated Installation >35' To 40' Above Floor, Add	*141.18*	
		For Elevated Installation >40' Above Floor, Add	*155.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*84.71*	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	93.79	25.97
		For Work In Restricted Working Space, Add	*19.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*6.49*	
		For Elevated Installation >15' To 20' Above Floor, Add	*12.98*	
		For Elevated Installation >20' To 25' Above Floor, Add	*16.23*	
		For Elevated Installation >25' To 30' Above Floor, Add	*22.72*	
		For Elevated Installation >30' To 35' Above Floor, Add	*25.97*	
		For Elevated Installation >35' To 40' Above Floor, Add	*32.46*	
		For Elevated Installation >40' Above Floor, Add	*35.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.48*	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	102.08	28.86
		For Work In Restricted Working Space, Add	*21.64*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.21*	
		For Elevated Installation >15' To 20' Above Floor, Add	*14.43*	
		For Elevated Installation >20' To 25' Above Floor, Add	*18.04*	
		For Elevated Installation >25' To 30' Above Floor, Add	*25.25*	
		For Elevated Installation >30' To 35' Above Floor, Add	*28.86*	
		For Elevated Installation >35' To 40' Above Floor, Add	*36.07*	
		For Elevated Installation >40' Above Floor, Add	*39.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.64*	
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	120.45	31.74
		For Work In Restricted Working Space, Add	*23.81*	
		For Elevated Installation >10' To 15' Above Floor, Add	*7.94*	
		For Elevated Installation >15' To 20' Above Floor, Add	*15.87*	
		For Elevated Installation >20' To 25' Above Floor, Add	*19.84*	
		For Elevated Installation >25' To 30' Above Floor, Add	*27.77*	
		For Elevated Installation >30' To 35' Above Floor, Add	*31.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*39.68*	
		For Elevated Installation >40' Above Floor, Add	*43.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.81*	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	144.95	36.28
		For Work In Restricted Working Space, Add	*27.21*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.07*	
		For Elevated Installation >15' To 20' Above Floor, Add	*18.14*	
		For Elevated Installation >20' To 25' Above Floor, Add	*22.67*	
		For Elevated Installation >25' To 30' Above Floor, Add	*31.74*	
		For Elevated Installation >30' To 35' Above Floor, Add	*36.28*	
		For Elevated Installation >35' To 40' Above Floor, Add	*45.35*	
		For Elevated Installation >40' Above Floor, Add	*49.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.21*	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	169.73	39.57
		For Work In Restricted Working Space, Add	*29.68*	
		For Elevated Installation >10' To 15' Above Floor, Add	*9.89*	
		For Elevated Installation >15' To 20' Above Floor, Add	*19.79*	
		For Elevated Installation >20' To 25' Above Floor, Add	*24.73*	
		For Elevated Installation >25' To 30' Above Floor, Add	*34.63*	
		For Elevated Installation >30' To 35' Above Floor, Add	*39.57*	
		For Elevated Installation >35' To 40' Above Floor, Add	*49.47*	
		For Elevated Installation >40' Above Floor, Add	*54.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.68*	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	244.85	48.64
		For Work In Restricted Working Space, Add	*36.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*12.16*	
		For Elevated Installation >15' To 20' Above Floor, Add	*24.32*	
		For Elevated Installation >20' To 25' Above Floor, Add	*30.40*	
		For Elevated Installation >25' To 30' Above Floor, Add	*42.56*	
		For Elevated Installation >30' To 35' Above Floor, Add	*48.64*	
		For Elevated Installation >35' To 40' Above Floor, Add	*60.80*	
		For Elevated Installation >40' Above Floor, Add	*66.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	398.34	71.31
		For Work In Restricted Working Space, Add	*53.48*	
		For Elevated Installation >10' To 15' Above Floor, Add	*17.83*	
		For Elevated Installation >15' To 20' Above Floor, Add	*35.66*	
		For Elevated Installation >20' To 25' Above Floor, Add	*44.57*	
		For Elevated Installation >25' To 30' Above Floor, Add	*62.40*	
		For Elevated Installation >30' To 35' Above Floor, Add	*71.31*	
		For Elevated Installation >35' To 40' Above Floor, Add	*89.14*	
		For Elevated Installation >40' Above Floor, Add	*98.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.48*	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	597.54	92.74
		For Work In Restricted Working Space, Add	*69.56*	
		For Elevated Installation >10' To 15' Above Floor, Add	*23.19*	
		For Elevated Installation >15' To 20' Above Floor, Add	*46.37*	
		For Elevated Installation >20' To 25' Above Floor, Add	*57.97*	
		For Elevated Installation >25' To 30' Above Floor, Add	*81.15*	
		For Elevated Installation >30' To 35' Above Floor, Add	*92.74*	
		For Elevated Installation >35' To 40' Above Floor, Add	*115.93*	
		For Elevated Installation >40' Above Floor, Add	*127.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.56*	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	918.84	114.59
		For Work In Restricted Working Space, Add	*85.94*	
		For Elevated Installation >10' To 15' Above Floor, Add	*28.65*	
		For Elevated Installation >15' To 20' Above Floor, Add	*57.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*71.62*	
		For Elevated Installation >25' To 30' Above Floor, Add	*100.27*	
		For Elevated Installation >30' To 35' Above Floor, Add	*114.59*	
		For Elevated Installation >35' To 40' Above Floor, Add	*143.24*	
		For Elevated Installation >40' Above Floor, Add	*157.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.94*	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	1,015.60	137.68
		For Work In Restricted Working Space, Add	*103.26*	
		For Elevated Installation >10' To 15' Above Floor, Add	*34.42*	
		For Elevated Installation >15' To 20' Above Floor, Add	*68.84*	
		For Elevated Installation >20' To 25' Above Floor, Add	*86.05*	
		For Elevated Installation >25' To 30' Above Floor, Add	*120.47*	
		For Elevated Installation >30' To 35' Above Floor, Add	*137.68*	
		For Elevated Installation >35' To 40' Above Floor, Add	*172.10*	
		For Elevated Installation >40' Above Floor, Add	*189.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.26*	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.27	7.83
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2663	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	42.22	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2664	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	58.52	12.77
		For Work In Restricted Working Space, Add	*9.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.98*	
		For Elevated Installation >40' Above Floor, Add	*17.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 33 13-2665	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	76.95	15.66
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2666	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	104.12	18.14
		For Work In Restricted Working Space, Add	*13.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.67*	
		For Elevated Installation >40' Above Floor, Add	*24.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 05 33 13-2667	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	141.98	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-2668		**Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2660)*		
26 05 33 13-2669	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	33.65	7.83
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add	*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add	*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add	*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add	*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add	*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add	*9.79*	
		For Elevated Installation >40' Above Floor, Add	*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-2670	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	43.66	10.31
		For Work In Restricted Working Space, Add	*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add	*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add	*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add	*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add	*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add	*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add	*12.88*	
		For Elevated Installation >40' Above Floor, Add	*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.73*	
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	53.49	12.77
		For Work In Restricted Working Space, Add	*9.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.98*	
		For Elevated Installation >40' Above Floor, Add	*17.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	76.52	15.66
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	95.76	18.14
		For Work In Restricted Working Space, Add	*13.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.67*	
		For Elevated Installation >40' Above Floor, Add	*24.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	141.26	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2675		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*			
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		43.00	10.31
		For Work In Restricted Working Space, Add		*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add		*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add		*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add		*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add		*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add		*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add		*12.88*	
		For Elevated Installation >40' Above Floor, Add		*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.73*	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		56.79	12.77
		For Work In Restricted Working Space, Add		*9.59*	
		For Elevated Installation >10' To 15' Above Floor, Add		*3.20*	
		For Elevated Installation >15' To 20' Above Floor, Add		*6.39*	
		For Elevated Installation >20' To 25' Above Floor, Add		*7.99*	
		For Elevated Installation >25' To 30' Above Floor, Add		*11.18*	
		For Elevated Installation >30' To 35' Above Floor, Add		*12.78*	
		For Elevated Installation >35' To 40' Above Floor, Add		*15.98*	
		For Elevated Installation >40' Above Floor, Add		*17.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.59*	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		68.20	15.66
		For Work In Restricted Working Space, Add		*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add		*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add		*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add		*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add		*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add		*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add		*19.58*	
		For Elevated Installation >40' Above Floor, Add		*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*11.75*	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		97.53	18.14
		For Work In Restricted Working Space, Add		*14.22*	
		For Elevated Installation >10' To 15' Above Floor, Add		*4.74*	
		For Elevated Installation >15' To 20' Above Floor, Add		*9.48*	
		For Elevated Installation >20' To 25' Above Floor, Add		*11.85*	
		For Elevated Installation >25' To 30' Above Floor, Add		*16.59*	
		For Elevated Installation >30' To 35' Above Floor, Add		*18.96*	
		For Elevated Installation >35' To 40' Above Floor, Add		*23.70*	
		For Elevated Installation >40' Above Floor, Add		*26.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*14.22*	
26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		127.51	20.61
		For Work In Restricted Working Space, Add		*16.70*	
		For Elevated Installation >10' To 15' Above Floor, Add		*5.57*	
		For Elevated Installation >15' To 20' Above Floor, Add		*11.13*	
		For Elevated Installation >20' To 25' Above Floor, Add		*13.91*	
		For Elevated Installation >25' To 30' Above Floor, Add		*19.48*	
		For Elevated Installation >30' To 35' Above Floor, Add		*22.26*	
		For Elevated Installation >35' To 40' Above Floor, Add		*27.83*	
		For Elevated Installation >40' Above Floor, Add		*30.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*16.70*	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover		176.81	23.08
		For Work In Restricted Working Space, Add		*19.17*	
		For Elevated Installation >10' To 15' Above Floor, Add		*6.39*	
		For Elevated Installation >15' To 20' Above Floor, Add		*12.78*	
		For Elevated Installation >20' To 25' Above Floor, Add		*15.97*	
		For Elevated Installation >25' To 30' Above Floor, Add		*22.36*	
		For Elevated Installation >30' To 35' Above Floor, Add		*25.56*	
		For Elevated Installation >35' To 40' Above Floor, Add		*31.95*	
		For Elevated Installation >40' Above Floor, Add		*35.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*19.17*	
26 05 33 13-2682		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*			
26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		34.88	7.83
		For Work In Restricted Working Space, Add		*5.87*	
		For Elevated Installation >10' To 15' Above Floor, Add		*1.96*	
		For Elevated Installation >15' To 20' Above Floor, Add		*3.92*	
		For Elevated Installation >20' To 25' Above Floor, Add		*4.90*	
		For Elevated Installation >25' To 30' Above Floor, Add		*6.85*	
		For Elevated Installation >30' To 35' Above Floor, Add		*7.83*	
		For Elevated Installation >35' To 40' Above Floor, Add		*9.79*	
		For Elevated Installation >40' Above Floor, Add		*10.77*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*5.87*	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover		46.87	10.31
		For Work In Restricted Working Space, Add		*7.73*	
		For Elevated Installation >10' To 15' Above Floor, Add		*2.58*	
		For Elevated Installation >15' To 20' Above Floor, Add		*5.15*	
		For Elevated Installation >20' To 25' Above Floor, Add		*6.44*	
		For Elevated Installation >25' To 30' Above Floor, Add		*9.02*	
		For Elevated Installation >30' To 35' Above Floor, Add		*10.30*	
		For Elevated Installation >35' To 40' Above Floor, Add		*12.88*	
		For Elevated Installation >40' Above Floor, Add		*14.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	60.34	12.77
		For Work In Restricted Working Space, Add	*9.59*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.20*	
		For Elevated Installation >15' To 20' Above Floor, Add	*6.39*	
		For Elevated Installation >20' To 25' Above Floor, Add	*7.99*	
		For Elevated Installation >25' To 30' Above Floor, Add	*11.18*	
		For Elevated Installation >30' To 35' Above Floor, Add	*12.78*	
		For Elevated Installation >35' To 40' Above Floor, Add	*15.98*	
		For Elevated Installation >40' Above Floor, Add	*17.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	79.13	15.66
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15' Above Floor, Add	*3.92*	
		For Elevated Installation >15' To 20' Above Floor, Add	*7.83*	
		For Elevated Installation >20' To 25' Above Floor, Add	*9.79*	
		For Elevated Installation >25' To 30' Above Floor, Add	*13.71*	
		For Elevated Installation >30' To 35' Above Floor, Add	*15.66*	
		For Elevated Installation >35' To 40' Above Floor, Add	*19.58*	
		For Elevated Installation >40' Above Floor, Add	*21.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	97.26	18.14
		For Work In Restricted Working Space, Add	*13.60*	
		For Elevated Installation >10' To 15' Above Floor, Add	*4.53*	
		For Elevated Installation >15' To 20' Above Floor, Add	*9.07*	
		For Elevated Installation >20' To 25' Above Floor, Add	*11.34*	
		For Elevated Installation >25' To 30' Above Floor, Add	*15.87*	
		For Elevated Installation >30' To 35' Above Floor, Add	*18.14*	
		For Elevated Installation >35' To 40' Above Floor, Add	*22.67*	
		For Elevated Installation >40' Above Floor, Add	*24.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.60*	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	155.21	20.61
		For Work In Restricted Working Space, Add	*15.46*	
		For Elevated Installation >10' To 15' Above Floor, Add	*5.15*	
		For Elevated Installation >15' To 20' Above Floor, Add	*10.30*	
		For Elevated Installation >20' To 25' Above Floor, Add	*12.88*	
		For Elevated Installation >25' To 30' Above Floor, Add	*18.03*	
		For Elevated Installation >30' To 35' Above Floor, Add	*20.61*	
		For Elevated Installation >35' To 40' Above Floor, Add	*25.76*	
		For Elevated Installation >40' Above Floor, Add	*28.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.46*	
26 05 33 13-2689		**Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)** *(26 05 33 13-2547)*		
26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	163.32	22.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.94*	
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	629.75	41.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.32*	
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,209.38	84.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.53*	
26 05 33 13-2693		**Replacement Covers And Gaskets For Conduit Body** *(26 05 33 13-2547)*		
26 05 33 13-2694		**Replacement Stamped Aluminum Conduit Body Cover** *(26 05 33 13-2693)*		
26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	11.89	4.02
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	14.77	4.69
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	18.89	6.03
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	22.98	7.37
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	28.57	8.70
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	34.14	10.05
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	47.07	11.39
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	59.12	16.07
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	64.05	18.09
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	80.74	22.77
26 05 33 13-2705		**Replacement Cast Steel Conduit Body Cover** *(26 05 33 13-2693)*		
26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	14.52	4.02
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	17.05	4.69
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	24.53	6.03
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	30.62	7.37
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	37.47	8.70
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	44.32	10.05
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	51.11	11.39
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	68.67	16.07
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	79.09	18.09
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	99.77	22.77
26 05 33 13-2716		**Replacement Velbuna Composition Conduit Body Gasket** *(26 05 33 13-2693)*		
26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	10.72	4.02
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	12.14	4.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	15.95	6.03
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	21.20	7.37
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	23.88	8.70
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	28.72	10.05
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	39.65	11.39
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	49.86	16.07
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	55.29	18.09
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	64.56	22.77
26 05 33 13-2727		**Replacement Neoprene Conduit Body Gasket** *(26 05 33 13-2693)*		
26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	12.54	4.02
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	13.88	4.69
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	18.24	6.03
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	22.36	7.37
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	25.04	8.70
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	28.84	10.05
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	39.94	11.39
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	50.15	16.07
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	57.23	18.09
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	66.50	22.77
26 05 33 13-2738		**Cutting Knockouts In-Place Metal Boxes Or Enclosures** *(26 05 33 13-0058)*		
		Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	17.06	
		For Work In Restricted Working Space, Add	*5.12*	
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	19.21	
		For Work In Restricted Working Space, Add	*5.76*	
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	22.60	
		For Work In Restricted Working Space, Add	*6.78*	
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	25.08	
		For Work In Restricted Working Space, Add	*7.52*	
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	28.25	
		For Work In Restricted Working Space, Add	*8.48*	
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	33.45	
		For Work In Restricted Working Space, Add	*10.04*	
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	39.55	
		For Work In Restricted Working Space, Add	*11.87*	
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	45.20	
		For Work In Restricted Working Space, Add	*13.56*	
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	50.85	
		For Work In Restricted Working Space, Add	*15.26*	
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	56.50	
		For Work In Restricted Working Space, Add	*16.95*	
26 05 33 13-2749		**Buried Pipe Or Conduit Wrap** *(26 05 33 13)*		
26 05 33 13-2750		**All-Weather Corrosion Protection Tape For Pipe Or Conduit** *(26 05 33 13-2749)*		
		Note: Priced by the linear feet of pipe or conduit the tape is installed on.		
26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.59	
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.00	
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.49	
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.03	
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.60	
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.56	
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.16	
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.75	
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	8.42	
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	9.77	
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	11.12	
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.62	
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.14	
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.67	
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.26	
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.89	
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.95	
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.77	
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.64	
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.62	
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	11.27	
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	12.92	

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0001		**Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)* Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0136 for steel box/switch assemblies.		
26 05 33 16-0002		**4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	36.41	16.92
		For Stud Bracket, Add	*0.63*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	37.58	16.92
		For Stud Bracket, Add	*1.14*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	41.60	16.92
		For Stud Bracket, Add	*1.24*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	28.28	11.28
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	24.22	11.28
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	12.51	5.64
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	12.69	5.64
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	12.83	5.64
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	13.26	5.64
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	13.39	5.64
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	14.78	5.64
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	13.03	5.64
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	13.17	5.64
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	13.33	5.64
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	14.75	5.64
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	15.05	5.64
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	16.85	5.64
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	13.73	5.64
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	14.87	5.64
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	13.01	5.64
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	13.12	5.64
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	12.99	5.64
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	13.29	5.64
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	13.55	5.64
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	16.73	5.64
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.50	5.64
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	16.73	5.64
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	13.50	5.64
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	14.25	5.64
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	16.73	5.64
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	16.73	5.64
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	12.10	5.64
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	40.74	16.92
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	38.10	16.92
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	51.38	16.92
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	29.39	11.28
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	30.04	11.28
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.15	5.64
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.18	5.64
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	16.31	5.64
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.86	5.64
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	15.76	5.64
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	20.45	5.64
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.05	5.64
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.29	5.64
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.31	5.64
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	17.97	5.64
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	18.32	5.64
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	22.33	5.64
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	15.83	5.64
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	15.95	5.64
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	19.06	5.64
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	19.94	5.64
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	18.80	5.64
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	17.86	5.64
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	21.03	5.64
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	19.93	5.64
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	19.93	5.64
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	19.93	5.64
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	12.82	5.64
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	18.13	8.47
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	13.13	5.65
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	20.95	8.47
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	22.40	8.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	30.31	14.10
		For Stud Bracket, Add	*1.53*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	31.33	14.10
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	12.04	5.64
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	49.74	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	52.76	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	55.21	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	57.60	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	62.68	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	67.93	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	72.06	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	13.45	5.64
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	44.79	14.10
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	49.16	15.23
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	58.88	16.92
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	76.27	18.61
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	111.88	20.31
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	60.59	14.10
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	65.99	15.23
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	87.30	16.92
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	111.61	18.61
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	181.77	20.31
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	19.50	5.64
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	19.76	5.64
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	22.81	5.64
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	28.04	5.64
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	39.52	5.64
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	16.88	5.64
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	19.73	5.64
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	23.51	5.64
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	28.33	5.64
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	40.33	5.64
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	32.28	14.10
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	32.72	14.10
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	35.00	14.10
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	40.12	14.10
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	40.57	14.10
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	47.51	14.10
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	30.19	14.10
		For Stud Bracket, Add	*2.47*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	30.67	14.10
		For Stud Bracket, Add	*1.06*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	31.72	14.10
		For Stud Bracket, Add	*1.45*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	19.79	8.46
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	19.31	8.46
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	6.67	2.82
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	6.76	2.82
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	6.32	2.82
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	6.35	2.82
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	7.25	2.82
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	6.35	2.82
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	45.04	19.74
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	50.12	20.87
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	57.14	22.56
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	64.90	24.82
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0289 for box covers.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	108.96	33.84
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	114.84	39.48
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	134.02	47.94
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	133.81	45.12
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	174.49	53.58
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	133.11	45.12
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	160.63	53.58
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	137.57	45.12
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	160.70	53.58
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	133.11	45.12
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	155.19	53.58
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	156.40	56.40
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	184.31	67.68
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	164.94	56.40
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	216.90	67.68
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	170.52	56.40
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	203.50	67.68
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	155.67	56.40
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	207.28	67.68
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	201.96	67.68
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	243.54	81.78
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	115.26	33.84
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	132.31	39.48
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	154.17	47.94
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	145.32	45.12
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	166.55	53.58
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	199.80	64.86
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	182.24	53.58
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	235.49	67.68
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	134.40	36.66
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	147.53	42.30
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	170.06	50.76
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	159.98	47.94
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	180.13	56.40
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	153.30	36.66
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	165.31	42.30
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	188.43	47.94
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	210.18	56.40
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0289 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	97.68	28.20
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	110.61	33.84
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	119.11	42.30
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	90.35	28.20
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	115.78	33.84
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	120.95	39.48
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	144.89	47.94
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	182.58	59.22
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	133.70	39.48
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	138.68	47.94
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	126.45	39.48
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	143.02	47.94
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	121.76	39.48
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	143.02	47.94
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	110.95	39.48
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	154.52	47.94
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	140.97	50.76
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	170.99	62.04
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	152.18	50.76
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	209.83	62.04
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	151.24	50.76
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	185.76	62.04
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	189.10	62.04
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	184.30	62.04
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	224.63	76.14
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	110.69	28.20
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	132.55	33.84
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	149.28	42.30
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	144.43	33.84
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	137.77	39.48
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	165.54	47.94
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	180.64	59.22
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	168.30	47.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	203.10	62.04
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	134.54	31.02
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	153.15	36.66
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	159.82	45.12
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	165.31	42.30
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	162.45	50.76
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	201.21	62.04
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	134.39	31.02
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	154.93	36.66
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	169.37	42.30
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	189.65	50.76
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	169.37	42.30
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	189.65	50.76
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	177.18	45.12
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	196.41	53.58
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	211.66	39.48
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	232.75	47.94
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	215.57	45.12
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	271.42	50.76
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	240.08	56.40
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	238.27	50.76
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	295.02	56.40
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0289 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	58.91	23.69
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	67.17	27.64
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	75.99	33.56
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	75.07	31.59
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	88.09	37.51
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	106.88	45.40
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	75.37	31.59
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	87.28	37.51
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	104.09	45.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	95.29	39.48
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	107.86	47.37
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	126.63	57.25
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	59.81	23.69
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	58.23	23.69
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	69.31	27.64
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	76.86	33.56
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	76.84	31.59
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	85.78	37.51
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	102.37	45.40
26 05 33 16-0256		**Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	63.33	25.66
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	72.49	29.61
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	80.10	35.53
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	77.06	33.56
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	95.88	39.48
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	113.26	47.37
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	79.15	33.56
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	101.67	39.48
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	108.62	47.37
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	96.64	41.46
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	128.70	49.35
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	130.44	59.22
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	552.30	42.30
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	352.49	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	47.06	11.28
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	58.90	5.64
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	625.34	45.12
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	329.58	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	81.28	16.92
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	58.90	5.64
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	172.95	11.28
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	493.87	39.48

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26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	40.49	5.64
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	491.55	39.48
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	56.88	5.64
26 05 33 16-0284		**Recessed Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		**Evolution 6AT Poke Thru Units** *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	966.07	45.12
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	966.19	45.12
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	919.87	45.12
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	919.87	45.12
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	966.07	45.12
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	966.07	45.12
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	880.76	45.12
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	546.24	42.30
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	587.10	42.30
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	591.15	42.30
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	163.07	22.56
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	392.31	11.28
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	392.31	11.28
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	325.30	11.28
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	46.55	2.82
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	21.00	5.64
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.63	5.64
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	20.89	5.64

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26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	20.96	5.64
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	20.80	5.64
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	25.01	5.64
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	24.72	5.64
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	25.38	5.64
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	20.46	5.64
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	20.47	5.64
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	20.16	5.64
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	20.16	5.64
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	50.76	8.46
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	18.25	5.64
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	18.77	5.64
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	166.69	10.15
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	24.39	5.64
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	25.52	5.64
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	26.31	5.64
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	39.30	11.28
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	44.52	14.10
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	49.72	14.10
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	37.54	11.28
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	25.32	5.64
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	25.32	5.64
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	26.82	5.64
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	27.83	5.64
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,273.38	45.12
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,211.04	45.12
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,287.50	45.12

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26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,199.30	45.12
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,188.18	45.12
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	711.20	42.30
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	799.03	42.30
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	197.34	22.56
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	424.65	11.28
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	424.65	11.28
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	73.22	2.82
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	21.78	5.64
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.92	5.64
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.07	5.64
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	25.97	5.64
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	31.96	5.64
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	31.91	5.64
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	21.05	5.64
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	21.34	5.64
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.05	5.64
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	21.05	5.64
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	31.42	5.64
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	25.79	5.64
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	30.10	5.64
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	39.30	11.28

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	31.71	5.15
		For Combination Hinged Screw Cover, Add	*1.07*	
		For Concrete Or Masonry Surface, Add	*0.52*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	23.22	7.73
		For Combination Hinged Screw Cover, Add	*0.39*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	27.03	9.64
		For Combination Hinged Screw Cover, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	58.83	18.03
		For Combination Hinged Screw Cover, Add	*1.14*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	104.17	18.03
		For Combination Hinged Screw Cover, Add	*3.41*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	155.23	25.66
		For Combination Hinged Screw Cover, Add	*5.20*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	174.61	28.34
		For Combination Hinged Screw Cover, Add	*5.90*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	38.73	6.49
		For Combination Hinged Screw Cover, Add	*1.29*	
		For Concrete Or Masonry Surface, Add	*0.65*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	73.89	6.49
		For Combination Hinged Screw Cover, Add	*3.05*	
		For Concrete Or Masonry Surface, Add	*0.65*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	19.43	5.67
		For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	29.74	10.82
		For Combination Hinged Screw Cover, Add	*0.41*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	68.82	22.05
		For Combination Hinged Screw Cover, Add	*1.23*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	118.67	22.05
		For Combination Hinged Screw Cover, Add	*3.73*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	170.25	28.65
		For Combination Hinged Screw Cover, Add	*5.65*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	196.36	33.49
		For Combination Hinged Screw Cover, Add	*6.47*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	59.49	7.73
		For Combination Hinged Screw Cover, Add	*2.20*	
		For Concrete Or Masonry Surface, Add	*0.77*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	121.16	7.73
		For Combination Hinged Screw Cover, Add	*5.28*	
		For Concrete Or Masonry Surface, Add	*0.77*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	25.40	6.19
		For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	38.80	12.89
		For Combination Hinged Screw Cover, Add	*0.65*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	101.86	25.66
		For Combination Hinged Screw Cover, Add	*2.53*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	154.50	25.66
		For Combination Hinged Screw Cover, Add	*5.16*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	249.63	32.05
		For Combination Hinged Screw Cover, Add	*9.28*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	268.57	37.10
		For Combination Hinged Screw Cover, Add	*9.72*	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	99.36	8.45
		For Combination Hinged Screw Cover, Add	*4.13*	
		For Concrete Or Masonry Surface, Add	*0.84*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	187.17	8.45
		For Combination Hinged Screw Cover, Add	*8.52*	
		For Concrete Or Masonry Surface, Add	*0.84*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	28.06	6.70
		For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	42.49	13.91
		For Combination Hinged Screw Cover, Add	*0.73*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	113.96	28.24
		For Combination Hinged Screw Cover, Add	*2.87*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	199.45	28.24
		For Combination Hinged Screw Cover, Add	*7.15*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	303.27	34.84
		For Combination Hinged Screw Cover, Add	*11.68*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	428.63	42.26
		For Combination Hinged Screw Cover, Add	*17.21*	

26 05 33 23-0038 10" x 10", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	146.26	9.79
		For Combination Hinged Screw Cover, Add	*6.33*	
		For Concrete Or Masonry Surface, Add	*0.98*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	265.10	9.79
		For Combination Hinged Screw Cover, Add	*12.27*	
		For Concrete Or Masonry Surface, Add	*0.98*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	40.64	7.73
		For Combination Hinged Screw Cover, Add	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	56.09	15.46
		For Combination Hinged Screw Cover, Add	*1.26*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	157.75	30.71
		For Combination Hinged Screw Cover, Add	*4.81*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	327.35	30.71
		For Combination Hinged Screw Cover, Add	*13.29*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	501.48	38.75
		For Combination Hinged Screw Cover, Add	*21.20*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	724.86	43.80
		For Combination Hinged Screw Cover, Add	*31.86*	

26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	171.48	11.85
		For Combination Hinged Screw Cover, Add	*7.39*	
		For Concrete Or Masonry Surface, Add	*1.19*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	290.91	11.85
		For Combination Hinged Screw Cover, Add	*13.36*	
		For Concrete Or Masonry Surface, Add	*1.19*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	54.98	8.24
		For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	71.48	16.48
		For Combination Hinged Screw Cover, Add	*1.93*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	212.54	33.49
		For Combination Hinged Screw Cover, Add	*7.28*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	437.13	33.49
		For Combination Hinged Screw Cover, Add	*18.51*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	565.36	41.22
		For Combination Hinged Screw Cover, Add	*24.15*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	938.29	46.38
		For Combination Hinged Screw Cover, Add	*42.28*	

26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	4.89	1.54
		For Concrete Or Masonry Surface, Add	*0.15*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	4.55	2.07
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	4.61	2.07
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	4.81	2.07
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	7.60	2.48
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	13.34	2.58
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	9.49	3.09
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	9.24	3.09

26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	6.15	2.07
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	4.70	2.07
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	4.87	2.07
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	4.92	2.07
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	11.03	4.12
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	18.42	4.12
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	12.04	4.12
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	11.57	4.12

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	37.12	3.09
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	4.85	2.07
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	4.85	2.07
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	15.39	3.09
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	12.78	3.09
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	14.23	4.12
26 05 33 23-0083	EA	Tee (Wiremold #5715)	15.78	5.15
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	29.64	4.12
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	22.37	4.12
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	11.86	2.58
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	28.15	4.12
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	28.03	4.12
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	12.64	2.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	25.29	4.12
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	24.34	4.12
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	24.57	4.12
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	24.57	4.12
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	28.03	4.12
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	27.66	4.12
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	29.65	4.12
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	32.47	6.70
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	50.32	12.89
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	23.76	6.70
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	39.49	6.70
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	45.73	6.70
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	71.11	6.70
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	35.96	5.67
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	40.46	5.67
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	66.55	5.67
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	24.96	6.70
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	21.55	6.70
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	31.63	6.70
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	64.62	6.70
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	23.26	6.70
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	33.67	6.70
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	62.72	6.70
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	94.67	6.70
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	158.21	6.70
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	161.05	6.70
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	22.93	6.70
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	22.21	6.70
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	30.61	6.70
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	63.36	6.70
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	24.26	6.70
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	32.38	6.70
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	48.08	6.70
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	16.58	2.58
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	15.74	2.58
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	10.05	2.58
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	19.82	3.09
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	10.15	2.58
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	25.22	3.09
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	22.43	3.09
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	11.81	3.09
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	20.72	3.09
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	10.32	2.58
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	9.24	2.07
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	9.11	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	5.43	2.07
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	6.37	2.58
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	7.11	3.09
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	28.64	9.79
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	29.77	9.79
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	32.38	9.79
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	32.16	9.79
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	30.16	6.70
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	31.21	6.70
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	61.29	12.89
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	32.24	6.70
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	40.22	6.70
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	39.39	6.70
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	19.12	3.09
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	14.61	4.63
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	5.40	2.07
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	6.12	2.07
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	23.16	3.61
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	34.77	5.15
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	33.70	6.19

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0157		**Two Piece Surface Metal Raceways** *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		**1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)** *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	8.52	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	3.96	2.07
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	10.36	2.58
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	5.29	1.54
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	4.86	1.54
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	13.17	2.58
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	25.06	7.73
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	43.98	10.31
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	6.44	2.58
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	21.53	6.70
26 05 33 23-0169	EA	Tee (Wiremold #2015)	40.47	9.69
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	13.48	5.15
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	32.95	9.17
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	53.61	10.20
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	35.60	10.20
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	30.65	5.15
26 05 33 23-0175	EA	#2089E End Reducing Connector	12.46	2.58
26 05 33 23-0176		**1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	7.14	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	7.93	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	3.06	0.51
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	3.96	2.07
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	10.27	2.58
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	8.96	2.58
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	4.91	1.54
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	38.11	7.73
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	36.38	7.73
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	10.16	2.07
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	23.93	7.73
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	6.52	2.58
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	6.62	2.58
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	37.95	7.73
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	36.27	7.73
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	61.38	7.73
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	46.32	7.73
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	27.19	7.73
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	45.38	7.73
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	40.34	7.62
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	25.78	7.73
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	48.93	7.62
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	46.37	7.62
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	31.14	7.62
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	25.48	7.62
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	41.75	7.62
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	40.42	7.62
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M)	24.59	7.62
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	45.66	7.62
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO)	44.87	7.62
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	30.56	7.62
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	41.64	6.70
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	46.53	6.70
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	46.78	6.70
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	44.71	6.70
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	64.24	6.70
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	56.22	6.70
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	28.34	6.70
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	45.45	6.70
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	13.75	2.58
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	31.94	7.73
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	101.35	7.73
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	28.72	4.12
26 05 33 23-0220		**2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	14.34	4.63
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.66	0.51
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.57	2.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	14.14	2.07
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	14.87	2.58
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	10.67	2.58
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	5.88	2.07
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	15.73	4.12
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	16.09	3.09
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	36.34	9.79
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	13.06	4.12
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	40.70	9.79
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	62.01	12.77
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	42.63	12.89
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	85.93	15.97
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	39.67	9.79
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	49.94	9.79
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	34.43	9.79
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	61.29	9.79
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	20.04	2.58
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	22.02	2.58
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	19.98	2.58
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	22.22	3.09
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	56.17	13.40
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	69.54	9.79
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	19.92	3.09
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	22.00	2.58
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	88.66	6.19
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	220.60	6.19
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	76.83	6.19
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	83.38	6.19
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	83.38	6.19
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	25.99	3.09

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	17.86	4.63
		For Concrete Or Masonry Surface, Add	*0.50*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	6.62	0.51
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	3.09	0.51
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	7.00	2.58
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	17.94	3.09
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	8.05	3.09
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	8.22	3.09
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	37.70	6.70
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	19.42	4.12
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	74.57	15.87
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	70.18	12.89
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	83.96	12.89
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	75.55	15.97
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	103.11	15.97
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	115.20	15.97
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	120.06	15.97
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	144.78	15.97
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	145.26	15.97
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	60.03	15.97
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	113.05	15.97
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	67.32	15.97
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	56.17	15.97
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	93.15	15.97
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	109.27	15.97
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	95.56	6.70
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	101.51	6.70
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	101.51	6.70
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	136.76	6.70
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	26.26	6.70
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	88.35	3.09
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	103.98	6.70
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	26.75	6.70
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	31.62	6.70
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	30.67	5.15
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	147.12	15.97
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	131.85	15.97
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	131.85	15.97
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	97.97	30.40
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	61.55	15.97

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	26.48	5.67
		For Concrete Or Masonry Surface, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	7.76	1.54
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	8.30	1.54
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	8.11	2.58
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	21.56	5.15
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	10.10	2.58
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	28.15	6.70
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	26.58	6.70
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	28.01	6.70
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	30.92	6.70
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	44.92	9.79
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	46.41	15.46
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	92.73	15.46
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	94.66	14.84
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	137.25	15.97
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	95.45	17.52
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	171.66	17.52
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	166.25	15.46
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	180.40	15.46
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	98.37	35.86

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	12.40	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	6.77	0.51
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	5.78	2.07
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	11.83	2.58
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	6.35	1.54
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	8.38	1.54
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	11.71	2.58
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	32.33	7.73
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	10.39	2.58
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	39.20	6.70
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	52.66	9.69
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	36.21	5.15
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	36.12	5.15
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	57.63	10.20
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	144.68	9.17
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	60.39	9.17
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	131.88	10.20
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	62.79	9.17
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	115.67	10.20
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	45.06	10.20

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)

(26 05 33 23-0315)

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	13.91	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	6.84	0.51
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	8.21	2.07
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	14.13	2.58
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	11.02	1.54
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	9.56	2.07
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	11.55	2.58
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	23.23	7.73
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	46.80	7.73
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	51.56	7.62
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	61.51	7.62
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	46.65	7.62
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	50.64	7.62
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	41.19	7.73

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	25.67	4.63
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	8.47	0.51
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	6.89	4.63
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	12.88	2.07
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	21.49	2.07
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	19.25	2.58
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	12.59	2.07
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	26.36	4.12
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	39.54	9.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	138.39	12.77
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	157.31	15.97
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	180.15	15.97
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	131.99	9.79
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	132.14	9.79
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	28.31	3.09
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	28.11	3.09
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	27.78	3.09
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	28.35	2.58
26 05 33 23-0371		**5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)** *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	31.12	4.63
		For Concrete Or Masonry Surface, Add	*0.50*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	13.72	0.51
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	7.88	0.51
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	10.39	2.58
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	8.50	2.58
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	8.44	2.58
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	18.91	3.09
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	17.64	3.09
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	21.27	3.09
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	23.12	4.12
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	25.08	4.12
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	25.51	4.12
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	24.62	4.12
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	136.16	12.89
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	102.02	15.97
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	158.56	15.97
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	175.29	15.97
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	139.08	15.97
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	51.00	15.97
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	143.34	15.97
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	140.41	15.97
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	30.39	3.09
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	36.52	3.09
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	43.84	3.09
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	40.95	3.09
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	37.61	3.09
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	33.28	6.70
26 05 33 23-0399		**3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)** *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	27.97	4.63
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	12.66	3.09
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	23.51	4.12
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	25.57	4.12
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	139.34	12.89
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	141.07	15.97
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	137.14	15.97
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	164.27	15.97
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	139.16	15.97
26 05 33 23-0409		**6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)** *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	46.66	4.63
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	19.23	3.09
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	25.09	4.12
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	28.42	4.12
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	177.97	12.89
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	245.33	15.97
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	160.24	15.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	191.59	15.97
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	169.06	15.97
26 05 33 23-0419		**Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)** *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	10.12	0.51
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	8.47	2.58
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	20.43	3.09
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	16.74	3.09
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	45.25	12.89
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	53.36	15.97
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	51.88	12.89
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	24.02	3.09
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	25.83	3.09
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	27.03	3.09
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	26.62	3.09
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	26.07	3.09
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	27.05	3.09
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	27.83	3.09
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	36.61	3.09
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	34.22	3.09
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	39.94	3.09
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	25.32	3.09
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	38.47	3.09
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	34.93	3.09
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	27.76	3.09
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	35.27	3.09
26 05 33 23-0442		**Surface Non-Metallic Raceways** *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0443		**One Piece Surface Non-Metallic Raceways** *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		**7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)** *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	6.17	2.07
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	4.55	2.07
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	4.83	2.07
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	9.25	4.12
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	10.95	4.12
26 05 33 23-0450	EA	Tee (Wiremold #415)	13.80	5.15
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	10.73	4.12
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	10.73	4.12
26 05 33 23-0453		**1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)** *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	7.23	2.07
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	4.64	2.07
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	4.75	2.07
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	15.15	4.12
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	9.36	4.12
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	11.04	4.12
26 05 33 23-0460	EA	Tee (Wiremold #815)	13.88	5.15
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	10.79	4.12
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	10.79	4.12
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	12.37	4.12
26 05 33 23-0464		**2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)** *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	8.44	2.07
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	9.03	2.07
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	4.90	2.07
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	5.20	2.07
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	16.58	4.12
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	9.93	4.12
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	18.85	4.12
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	11.27	4.12
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	12.23	4.12
26 05 33 23-0474	EA	Tee (Wiremold #2315)	14.02	5.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	11.27	4.12
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	12.25	4.12
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	11.30	4.12
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	12.42	4.12
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	12.43	4.12
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	13.05	4.12
26 05 33 23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	14.22	3.61
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	24.01	4.12
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	24.15	4.12
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	21.64	4.12
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	25.33	4.12
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	23.72	4.12
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	25.91	4.12
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	20.61	6.70
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	23.86	6.70
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	21.56	6.70
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	26.46	6.70
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	32.14	6.70
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	30.33	6.70
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	27.23	6.70
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	20.12	6.70
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	5.72	2.07
		For Concrete Or Masonry Surface, Add	*0.21*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.41	1.03
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.76	1.03
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	5.80	2.07
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	6.87	2.58
26 05 33 23-0503	EA	Tee (Wiremold #2715)	11.02	4.63
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	7.91	3.09
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	7.90	3.09
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	9.33	3.61
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	7.47	2.58
		For Concrete Or Masonry Surface, Add	*0.26*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	3.59	1.54
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	4.97	1.54
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	7.03	2.58
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	9.18	3.61
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	9.85	3.61
26 05 33 23-0514	EA	Tee (Wiremold #2815)	13.30	5.67
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	10.18	4.12
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	10.21	4.12
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	14.21	5.67
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	11.00	4.12
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	10.88	4.12
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	11.50	4.63
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	10.37	4.12
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	9.11	3.09
		For Concrete Or Masonry Surface, Add	*0.31*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	4.74	2.07
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	6.14	2.07
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	8.21	3.09
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	10.28	4.12
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	11.35	4.12
26 05 33 23-0529	EA	Tee (Wiremold #2915)	14.40	6.19
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO)	15.49	6.19
26 05 33 23-0531	EA	Radiused External Elbow (Wiremold #2918FO)	12.74	4.63
26 05 33 23-0532	EA	Internal Elbow (Wiremold #2917)	11.32	4.63
26 05 33 23-0533	EA	Radiused Internal Elbow (Wiremold #2917FO)	12.43	4.63
26 05 33 23-0534	EA	External Elbow (Wiremold #2918)	11.30	4.63
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	11.49	4.63
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	12.77	5.15
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	12.40	5.15
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	14.06	4.63
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	13.33	4.63
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	25.74	4.63
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	20.84	4.63
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.91	0.51
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	8.13	0.51
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	5.02	0.51
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	12.83	5.15
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	7.24	2.58
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	9.74	3.09
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	13.87	5.15
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	12.92	5.15
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	14.87	5.15
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	26.77	10.31
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	27.77	10.31
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	23.19	9.79
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	45.48	15.97
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	31.29	12.89
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	28.43	10.31
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	19.38	7.73
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	31.22	12.89
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	28.70	10.31
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	12.66	5.15
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	16.10	4.63
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	6.03	0.51
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.81	0.51
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	5.88	2.58
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	10.43	3.09
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	8.59	3.09
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	7.55	3.09
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	60.07	15.97
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	28.57	9.79
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	57.44	15.97
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	53.04	12.89
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	60.72	15.97
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	63.89	15.97
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	49.10	15.97
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	49.90	15.97
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	50.63	15.97
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	24.83	5.15
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	33.47	5.15
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	18.45	5.15
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	52.12	15.97
26 05 33 23-0584		**6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	19.60	4.63
		For Concrete Or Masonry Surface, Add	*0.46*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	7.36	0.51
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	6.86	2.58
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	11.37	3.09
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	7.87	3.09
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	10.56	3.09
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	10.60	3.09
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	10.66	3.09
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	10.66	3.09
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	10.54	3.09
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	10.57	3.09
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	10.49	3.09
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	10.51	3.09
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	10.60	3.09
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	10.37	3.09
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	28.33	5.15
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	38.47	5.15
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	30.32	9.79
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	63.25	15.97
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	58.07	12.89
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	46.10	12.89
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	66.63	15.97
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	52.75	15.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	54.14	15.97
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	57.06	15.97
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	51.36	15.97
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	70.31	15.97
26 05 33 23-0612		Hellermann Tyton Non-Metallic Low Voltage Raceways *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface.		
26 05 33 23-0613		1-1/4" x 3/4", Non-Metallic Low Voltage Raceways *(26 05 33 23-0612)*		
26 05 33 23-0614	LF	1-1/4" x 3/4", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2)	5.74	2.58
26 05 33 23-0615	EA	Splice For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-14)	6.98	1.54
26 05 33 23-0616	EA	Tee For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-21-1)	15.63	5.67
26 05 33 23-0617	EA	Flat 90 Degree Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-25-1)	11.51	3.61
26 05 33 23-0618	EA	Internal Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36)	12.13	4.12
26 05 33 23-0619	EA	External Elbow For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-29-1)	15.94	4.12
26 05 33 23-0620	EA	End Cap For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-36)	9.04	2.58
26 05 33 23-0621	EA	Drop Ceiling Connector For 1-1/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR2X-50)	15.62	4.63
26 05 33 23-0622		1-3/4" x 1", Non-Metallic Low Voltage Raceways *(26 05 33 23-0612)*		
26 05 33 23-0623	LF	1-3/4" x 1", Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3)	7.03	3.09
26 05 33 23-0624	EA	Splice For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-14)	8.37	2.07
26 05 33 23-0625	EA	Tee For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-21-1)	17.02	6.19
26 05 33 23-0626	EA	Flat 90 Degree Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-25-1)	12.90	4.12
26 05 33 23-0627	EA	Internal Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-33-1)	13.94	4.63
26 05 33 23-0628	EA	External Elbow For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-29-1)	17.52	4.63
26 05 33 23-0629	EA	End Cap For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-36)	10.44	3.09
26 05 33 23-0630	EA	Drop Ceiling Connector For 1-3/4" Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR3X-50)	15.62	4.63
26 05 33 23-0631	EA	1-3/4" To 1-1/4" Reducer For Non-Metallic Low Voltage Raceway (Hellermann Tyton TSR1X-12)	14.56	5.15
26 05 33 23-0632		Non-Metallic Raceway Junction Boxes *(26 05 33 23-0612)*		
26 05 33 23-0633	EA	3" x 4-3/4" x 1-1/4", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB1)	69.48	28.20
26 05 33 23-0634	EA	3" x 4-3/4" x 2", Single Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JB2)	71.83	28.20
26 05 33 23-0635	EA	4.91" x 4.83" x 1.25", Double Gang, Non-Metallic Raceway Junction Box (Hellermann Tyton TSRX-JBD)	79.09	28.20
26 05 33 23-0636		Hubbell Two-Channel Non-Metallic Raceways *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface.		
26 05 33 23-0637		2.12" x 1.04", Two-Channel Non-Metallic Raceways *(26 05 33 23-0636)*		
26 05 33 23-0638	LF	2.12" x 1.04", Two-Channel Non-Metallic Raceway (Hubbell MT8BC7)	13.43	3.09
26 05 33 23-0639	LF	2.12" x 1.04", Two-Channel Non-Metallic Raceway With Adhesive (Hubbell MT8ABC7)	14.03	3.09
26 05 33 23-0640	EA	Splice Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SC)	6.22	2.07
26 05 33 23-0641	EA	Tee Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCBC)	26.25	6.19
26 05 33 23-0642	EA	Tee Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8TCC)	10.27	2.07
26 05 33 23-0643	EA	Flat 90 Degree Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEBC)	19.35	4.12
26 05 33 23-0644	EA	Flat 90 Degree Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8FEC)	8.58	2.07
26 05 33 23-0645	EA	Internal Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEBC)	21.18	4.63
26 05 33 23-0646	EA	Internal Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8IEC)	8.88	2.07
26 05 33 23-0647	EA	External Elbow Base And Cover For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEBC)	21.78	4.63
26 05 33 23-0648	EA	External Elbow Cover Only For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EEC)	9.58	2.07
26 05 33 23-0649	EA	End Cap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8EC)	9.88	3.09
26 05 33 23-0650	EA	Conduit Adapter For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8CACF)	21.98	4.63
26 05 33 23-0651	EA	Security Strap For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT8SS)	6.90	2.07
26 05 33 23-0652	EA	Light Fixture Box For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678FB)	39.74	6.19
26 05 33 23-0653	EA	Single Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT1G)	19.80	6.19
26 05 33 23-0654	EA	Double Gang Pass-Thru Divider Tunnel For 2.12" Two-Channel Non-Metallic Raceway (Hubbell MT678DT2G)	28.83	6.19
26 05 33 23-0655		Non-Metallic Raceway Junction Boxes *(26 05 33 23-0636)*		
26 05 33 23-0656	EA	3.25" x 4.90" x 1.25", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678LB)	68.11	28.20
26 05 33 23-0657	EA	3.25" x 4.90" x 1.78", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678SB)	69.10	28.20
26 05 33 23-0658	EA	3.25" x 4.90" x 2.44", Single Gang, Non-Metallic Raceway Junction Box (Hubbell MT678DB)	74.26	28.20
26 05 33 23-0659	EA	5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678CTGB)	75.05	28.20
26 05 33 23-0660	EA	Divided, 5.06" x 4.90" x 2.44", Double Gang, Non-Metallic Raceway Junction Box (Hubbell MT678TGD)	85.76	28.20
26 05 33 23-0661		Surface Cable Protection System *(26 05 33 23)*		
26 05 33 23-0662	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3)	658.68	
		Note: Modular interlocking design with hinged lid.		
26 05 33 23-0663	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5)	495.97	
		Note: Modular interlocking design with hinged lid.		

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001 Cable Trays *(26 05 36)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Excludes supporting hangers.

26 05 36 00-0002 Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*

26 05 36 00-0003 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*

26 05 36 00-0004 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.69	10.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.36*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.17	11.62
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.65*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.52	12.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.01*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	56.52	13.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.55*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	62.39	13.76
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.10*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	76.36	15.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.32*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	85.55	18.16
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-7.05*	

26 05 36 00-0012 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.08	10.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.12*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.46	11.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.40*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.29	12.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.60*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	50.98	12.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.02*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	55.19	13.42
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.40*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	64.97	15.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.21*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	70.96	16.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.68*	

26 05 36 00-0020 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.55	10.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.98*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.67	10.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.06*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.89	11.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.43*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	48.26	12.07
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.82*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.57	12.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.22*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.34	13.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.61*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	61.54	14.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.93*	

26 05 36 00-0028 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.43	10.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.91*	
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	38.22	10.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.97*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.49	10.83
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.15*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.92	11.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.35*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.89	11.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.54*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.73	12.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.95*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	52.40	12.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.17*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.94	9.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.87*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0038		LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.58	10.04
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.92*	
26 05 36 00-0039		LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.85	10.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.10*	
26 05 36 00-0040		LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.87	11.06
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.26*	
26 05 36 00-0041		LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.60	11.17
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.33*	
26 05 36 00-0042		LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.21	11.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.52*	
26 05 36 00-0043		LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.13	12.63
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.66*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046		EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	321.60	113.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.73*	
26 05 36 00-0047		EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.44	128.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.11*	
26 05 36 00-0048		EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	393.70	142.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.50*	
26 05 36 00-0049		EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.83	174.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.83*	
26 05 36 00-0050		EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.28	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.52*	
26 05 36 00-0051		EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.99	225.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.80*	
26 05 36 00-0052		EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	780.44	257.86
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.56*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054		EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.75	117.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.27*	
26 05 36 00-0055		EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.51	135.25
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.58*	
26 05 36 00-0056		EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	544.32	150.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.90*	
26 05 36 00-0057		EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.15	186.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.25*	
26 05 36 00-0058		EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.21	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.07*	
26 05 36 00-0059		EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.59	245.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.47*	
26 05 36 00-0060		EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	914.17	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.68*	

26 05 36 00-0061 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0062		EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.17	122.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.67*	
26 05 36 00-0063		EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.29	142.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.97*	
26 05 36 00-0064		EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	601.44	159.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.87*	
26 05 36 00-0065		EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	718.61	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.73	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.86*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	958.23	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.26*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,083.58	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.85*	
26 05 36 00-0069		**12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.14	82.00
		For 60 Degree Bend, Deduct	*-47.82*	
		For 30 Degree Bend, Deduct	*-84.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.18*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	271.60	98.36
		For 60 Degree Bend, Deduct	*-51.94*	
		For 30 Degree Bend, Deduct	*-92.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.97*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	299.97	112.80
		For 60 Degree Bend, Deduct	*-55.75*	
		For 30 Degree Bend, Deduct	*-99.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.60*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.88	142.58
		For 60 Degree Bend, Deduct	*-62.80*	
		For 30 Degree Bend, Deduct	*-112.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.71*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	443.13	174.61
		For 60 Degree Bend, Deduct	*-79.30*	
		For 30 Degree Bend, Deduct	*-141.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.76*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.48	200.45
		For 60 Degree Bend, Deduct	*-97.55*	
		For 30 Degree Bend, Deduct	*-173.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.14*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	595.02	235.30
		For 60 Degree Bend, Deduct	*-106.15*	
		For 30 Degree Bend, Deduct	*-189.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.89*	
26 05 36 00-0077		**24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	271.91	84.60
		For 60 Degree Bend, Deduct	*-57.32*	
		For 30 Degree Bend, Deduct	*-100.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.14*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	309.41	101.97
		For 60 Degree Bend, Deduct	*-63.01*	
		For 30 Degree Bend, Deduct	*-110.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.44*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.58	117.76
		For 60 Degree Bend, Deduct	*-71.21*	
		For 30 Degree Bend, Deduct	*-125.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.45*	
26 05 36 00-0081	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	411.23	150.37
		For 60 Degree Bend, Deduct	*-78.05*	
		For 30 Degree Bend, Deduct	*-138.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.59*	
26 05 36 00-0082	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	505.62	186.79
		For 60 Degree Bend, Deduct	*-95.26*	
		For 30 Degree Bend, Deduct	*-169.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.00*	
26 05 36 00-0083	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	593.47	216.68
		For 60 Degree Bend, Deduct	*-112.80*	
		For 30 Degree Bend, Deduct	*-200.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.29*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0084		EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.07	257.97
			For 60 Degree Bend, Deduct	*-130.83*	
			For 30 Degree Bend, Deduct	*-232.38*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.11*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086		EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	333.46	87.31
			For 60 Degree Bend, Deduct	*-76.59*	
			For 30 Degree Bend, Deduct	*-132.50*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.07*	
26 05 36 00-0087		EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	375.28	106.03
			For 60 Degree Bend, Deduct	*-83.20*	
			For 30 Degree Bend, Deduct	*-144.56*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.69*	
26 05 36 00-0088		EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.90	123.06
			For 60 Degree Bend, Deduct	*-87.44*	
			For 30 Degree Bend, Deduct	*-152.56*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.54*	
26 05 36 00-0089		EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.25	159.28
			For 60 Degree Bend, Deduct	*-99.06*	
			For 30 Degree Bend, Deduct	*-173.95*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.25*	
26 05 36 00-0090		EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.51	200.45
			For 60 Degree Bend, Deduct	*-110.10*	
			For 30 Degree Bend, Deduct	*-194.64*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.95*	
26 05 36 00-0091		EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	692.20	235.30
			For 60 Degree Bend, Deduct	*-138.22*	
			For 30 Degree Bend, Deduct	*-243.44*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.61*	
26 05 36 00-0092		EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	808.54	284.82
			For 60 Degree Bend, Deduct	*-157.63*	
			For 30 Degree Bend, Deduct	*-278.53*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.12*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0094		EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.10	112.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.81*	
26 05 36 00-0095		EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.66	128.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.53*	
26 05 36 00-0096		EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	410.91	142.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.22*	
26 05 36 00-0097		EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.10	174.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.66*	
26 05 36 00-0098		EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.75	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.57*	
26 05 36 00-0099		EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.72	225.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.17*	
26 05 36 00-0100		EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	640.48	257.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.59*	

26 05 36 00-0101 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0102		EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.12	117.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.01*	
26 05 36 00-0103		EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.27	135.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.05*	
26 05 36 00-0104		EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	497.77	150.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.56	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.59*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	634.59	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.41*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	698.48	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.35*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.19	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.18*	
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.07	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.56*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	561.81	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.31*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	593.75	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.10*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	688.74	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.17*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	750.60	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.45*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	858.63	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.30*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	963.92	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.89*	
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.95	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.34*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	674.70	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.86*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	708.06	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.31*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	792.54	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.69*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	901.08	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.06*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,009.73	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.42*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,142.71	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.21*	
26 05 36 00-0125		24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	804.17	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.81*	
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	861.46	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.65*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	898.47	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.29*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	983.47	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.30*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,089.74	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.77*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,174.10	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.35*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0132		EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,428.26	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.10*	

26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0134		EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,045.86	257.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.09*	
26 05 36 00-0135		EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,114.27	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.69*	
26 05 36 00-0136		EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,183.56	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.31*	
26 05 36 00-0137		EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,297.68	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.57*	
26 05 36 00-0138		EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,471.68	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.98*	
26 05 36 00-0139		EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,596.96	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.97*	
26 05 36 00-0140		EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,788.85	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.90*	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0142		EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.39	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.43*	
26 05 36 00-0143		EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.48	208.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.48*	
26 05 36 00-0144		EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.20	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.57*	
26 05 36 00-0145		EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.17	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.91*	
26 05 36 00-0146		EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	880.69	245.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.58*	
26 05 36 00-0147		EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	953.40	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.78*	
26 05 36 00-0148		EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,022.70	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.23*	

26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0150		EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,169.30	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.88*	
26 05 36 00-0151		EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,195.99	225.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.80*	
26 05 36 00-0152		EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,223.97	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.79*	
26 05 36 00-0153		EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,285.18	257.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.02*	
26 05 36 00-0154		EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,330.04	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.44*	
26 05 36 00-0155		EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,403.27	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.28*	
26 05 36 00-0156		EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,505.62	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.36*	

26 05 36 00-0157 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,902.72	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.66*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,940.01	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.51*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,979.63	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.47*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,044.12	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.67*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,089.87	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.94*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,211.83	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.98*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,311.29	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-198.94*	

26 05 36 00-0165 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	776.84	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.12*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	816.09	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.87*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.61	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.32*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	939.11	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.36*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,056.40	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.58*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,189.19	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.73*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,302.71	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.54*	

26 05 36 00-0173 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,132.56	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.21*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,182.36	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.68*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,234.90	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.29*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,315.34	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.47*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,455.72	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.84*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,564.15	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.82*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,761.39	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.15*	

26 05 36 00-0181 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0182	EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,446.77	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.48*	
26 05 36 00-0183	EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,523.28	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0184	EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,605.08	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.32*	
26 05 36 00-0185	EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,753.90	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.66*	
26 05 36 00-0186	EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,996.79	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.69*	
26 05 36 00-0187	EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,176.07	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.56*	
26 05 36 00-0188	EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,376.75	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.50*	

26 05 36 00-0189 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0190	EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	923.38	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.78*	
26 05 36 00-0191	EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	969.85	284.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.24*	
26 05 36 00-0192	EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,041.25	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.09*	
26 05 36 00-0193	EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,122.92	318.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.73*	
26 05 36 00-0194	EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,261.20	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.06*	
26 05 36 00-0195	EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,434.89	386.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.28*	
26 05 36 00-0196	EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,575.52	416.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.87*	

26 05 36 00-0197 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0198	EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,416.81	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.64*	
26 05 36 00-0199	EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,475.44	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.99*	
26 05 36 00-0200	EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,536.81	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.48*	
26 05 36 00-0201	EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,636.67	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.60*	
26 05 36 00-0202	EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,798.24	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.10*	
26 05 36 00-0203	EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,929.61	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.36*	
26 05 36 00-0204	EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,185.12	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.52*	

26 05 36 00-0205 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0206	EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,844.01	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.20*	
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,938.18	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.75*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,037.63	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.57*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,230.60	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.33*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,526.45	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-211.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,749.87	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-229.94*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,994.69	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-249.29*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	302.59	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.83*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	337.91	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.05*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	371.37	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.27*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.86	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.94*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	529.69	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.26*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	633.13	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.51*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.34	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.55*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	431.51	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.35*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.07	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.54*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	502.37	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.70*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	582.88	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.73*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.62	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.21*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	726.77	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.18*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.40	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.40*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	465.71	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.32*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	512.41	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.38*	
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	553.46	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.07*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	663.69	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.66*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.37	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.83*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	885.79	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,004.51	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.95*	

26 05 36 00-0238 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	225.35	82.00
		For 60 Degree Bend, Deduct	*-42.94*	
		For 30 Degree Bend, Deduct	*-76.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.70*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	256.21	98.36
		For 60 Degree Bend, Deduct	*-46.86*	
		For 30 Degree Bend, Deduct	*-83.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.43*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.97	112.80
		For 60 Degree Bend, Deduct	*-50.47*	
		For 30 Degree Bend, Deduct	*-90.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.00*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.98	142.58
		For 60 Degree Bend, Deduct	*-57.22*	
		For 30 Degree Bend, Deduct	*-103.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.02*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.40	174.61
		For 60 Degree Bend, Deduct	*-72.13*	
		For 30 Degree Bend, Deduct	*-129.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.59*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.71	200.45
		For 60 Degree Bend, Deduct	*-88.39*	
		For 30 Degree Bend, Deduct	*-158.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.37*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.05	235.30
		For 60 Degree Bend, Deduct	*-96.59*	
		For 30 Degree Bend, Deduct	*-174.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.99*	

26 05 36 00-0246 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.20	84.60
		For 60 Degree Bend, Deduct	*-51.14*	
		For 30 Degree Bend, Deduct	*-89.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.27*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	289.49	101.97
		For 60 Degree Bend, Deduct	*-56.44*	
		For 30 Degree Bend, Deduct	*-99.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.45*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	330.25	117.76
		For 60 Degree Bend, Deduct	*-63.85*	
		For 30 Degree Bend, Deduct	*-112.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.21*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.29	150.37
		For 60 Degree Bend, Deduct	*-70.48*	
		For 30 Degree Bend, Deduct	*-125.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.30*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.85	186.79
		For 60 Degree Bend, Deduct	*-86.10*	
		For 30 Degree Bend, Deduct	*-153.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.22*	
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.27	216.68
		For 60 Degree Bend, Deduct	*-101.84*	
		For 30 Degree Bend, Deduct	*-181.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.97*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.04	257.97
		For 60 Degree Bend, Deduct	*-118.28*	
		For 30 Degree Bend, Deduct	*-211.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0254		**36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.60	87.31
		For 60 Degree Bend, Deduct	*-67.73*	
		For 30 Degree Bend, Deduct	*-117.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.39*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	346.91	106.03
		For 60 Degree Bend, Deduct	*-73.84*	
		For 30 Degree Bend, Deduct	*-128.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.86*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	378.93	123.06
		For 60 Degree Bend, Deduct	*-77.88*	
		For 30 Degree Bend, Deduct	*-136.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.64*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	453.86	159.28
		For 60 Degree Bend, Deduct	*-88.70*	
		For 30 Degree Bend, Deduct	*-156.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.11*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	533.31	200.45
		For 60 Degree Bend, Deduct	*-99.14*	
		For 30 Degree Bend, Deduct	*-176.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.63*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	649.34	235.30
		For 60 Degree Bend, Deduct	*-124.07*	
		For 30 Degree Bend, Deduct	*-219.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.32*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	760.86	284.82
		For 60 Degree Bend, Deduct	*-141.89*	
		For 30 Degree Bend, Deduct	*-252.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.35*	
26 05 36 00-0262		**12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.98	112.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.50*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	369.23	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.18*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	397.02	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.83*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	457.61	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.21*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	507.66	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.06*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.42	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.54*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	623.58	257.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.90*	
26 05 36 00-0270		**24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.56	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.15*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	444.25	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.15*	
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.00	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.27*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.74	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.51*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.71	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.22*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.39	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	773.23	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.59*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.02	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.05*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.85	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.72*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	567.49	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.47*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.37	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.33*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	721.93	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.58*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.04	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.04*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	929.21	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.42*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	603.73	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.32*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	652.97	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.69*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	685.12	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.02*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	766.28	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.07*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	870.29	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.98*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.91	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.74*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,101.06	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.04*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.48	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.64*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	828.26	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.33*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	864.06	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.85*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	946.35	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.59*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,049.30	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.73*	
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,130.04	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.94*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,371.82	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.45*	

26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	998.47	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.35*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,065.07	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.77*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,131.05	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.06*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,241.24	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.92*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,408.00	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.61*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,527.55	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.03*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,714.31	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.44*	

26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	746.98	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.99*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	763.78	208.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.01*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.19	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.07*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	819.56	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.35*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.47	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.95*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	914.77	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.92*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	982.56	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.21*	

26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,107.13	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.66*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,132.92	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.49*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,159.99	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.39*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,219.39	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.45*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,262.44	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.68*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,333.86	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.34*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,433.19	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.12*	

26 05 36 00-0326 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0327	EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,786.53	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.04*	
26 05 36 00-0328	EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,822.31	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.74*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0329		EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,860.42	257.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.55*	
26 05 36 00-0330		EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,923.39	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.60*	
26 05 36 00-0331		EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,967.64	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.72*	
26 05 36 00-0332		EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,085.08	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.31*	
26 05 36 00-0333		EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,183.03	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.11*	

26 05 36 00-0334 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0335		EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	751.79	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.62*	
26 05 36 00-0336		EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.83	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.25*	
26 05 36 00-0337		EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.94	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.45*	
26 05 36 00-0338		EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	907.72	318.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.22*	
26 05 36 00-0339		EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,021.39	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.08*	
26 05 36 00-0340		EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,147.24	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.53*	
26 05 36 00-0341		EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,255.93	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.86*	

26 05 36 00-0342 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0343		EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,083.97	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.35*	
26 05 36 00-0344		EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,132.26	318.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.67*	
26 05 36 00-0345		EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,183.30	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.13*	
26 05 36 00-0346		EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,260.41	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.98*	
26 05 36 00-0347		EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,397.17	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.99*	
26 05 36 00-0348		EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,501.67	451.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.57*	
26 05 36 00-0349		EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,688.96	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.91*	

26 05 36 00-0350 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0351		EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,378.86	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.69*	
26 05 36 00-0352		EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,452.36	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.17*	
26 05 36 00-0353		EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,531.13	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.92*	
26 05 36 00-0354		EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,672.42	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.51*	
26 05 36 00-0355		EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,906.25	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,077.98	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.75*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,271.12	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.93*	
26 05 36 00-0358		**12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	887.06	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.15*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	931.78	284.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.43*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	999.68	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.93*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,077.41	318.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.18*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,210.44	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.98*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,374.07	386.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.20*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,507.69	416.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.08*	
26 05 36 00-0366		**24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,346.36	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.59*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,402.79	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.73*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,461.98	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.00*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,557.02	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.64*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,713.34	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.61*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,839.03	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.30*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,080.09	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.02*	
26 05 36 00-0374		**36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,745.55	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.36*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,835.34	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.47*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,930.42	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.85*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,112.44	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.52*	
26 05 36 00-0379	EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,395.17	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-198.53*	
26 05 36 00-0380	EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,607.64	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-215.72*	
26 05 36 00-0381	EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,841.53	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-233.98*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0382		9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0383		12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0384	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	283.58	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.93*	
26 05 36 00-0385	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	317.39	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.00*	
26 05 36 00-0386	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	349.04	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.04*	
26 05 36 00-0387	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.88	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.04*	
26 05 36 00-0388	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	497.09	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.00*	
26 05 36 00-0389	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	590.28	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.23*	
26 05 36 00-0390	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	680.24	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.54*	
26 05 36 00-0391		24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0392	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.28	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.42*	
26 05 36 00-0393	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	427.63	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.49*	
26 05 36 00-0394	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	460.42	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.51*	
26 05 36 00-0395	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.61	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.20*	
26 05 36 00-0396	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	604.03	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.35*	
26 05 36 00-0397	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	673.96	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.90*	
26 05 36 00-0398	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	788.62	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.12*	
26 05 36 00-0399		36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0400	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	422.25	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.98*	
26 05 36 00-0401	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	466.54	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.80*	
26 05 36 00-0402	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	505.47	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.27*	
26 05 36 00-0403	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	608.76	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.17*	
26 05 36 00-0404	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.01	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.79*	
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.36	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.78*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	925.44	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.04*	
26 05 36 00-0407		12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	210.56	82.00
		For 60 Degree Bend, Deduct	*-38.06*	
		For 30 Degree Bend, Deduct	*-67.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.23*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	240.82	98.36
		For 60 Degree Bend, Deduct	*-41.78*	
		For 30 Degree Bend, Deduct	*-75.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.89*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	267.98	112.80
		For 60 Degree Bend, Deduct	*-45.19*	
		For 30 Degree Bend, Deduct	*-81.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.40*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.07	142.58
		For 60 Degree Bend, Deduct	*-51.64*	
		For 30 Degree Bend, Deduct	*-93.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.33*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	399.67	174.61
		For 60 Degree Bend, Deduct	*-64.96*	
		For 30 Degree Bend, Deduct	*-117.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.42*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	472.95	200.45
		For 60 Degree Bend, Deduct	*-79.23*	
		For 30 Degree Bend, Deduct	*-143.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.59*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	537.07	235.30
		For 60 Degree Bend, Deduct	*-87.02*	
		For 30 Degree Bend, Deduct	*-158.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.10*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	234.49	84.60
		For 60 Degree Bend, Deduct	*-44.97*	
		For 30 Degree Bend, Deduct	*-79.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.40*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	269.57	101.97
		For 60 Degree Bend, Deduct	*-49.86*	
		For 30 Degree Bend, Deduct	*-88.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.46*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	307.92	117.76
		For 60 Degree Bend, Deduct	*-56.48*	
		For 30 Degree Bend, Deduct	*-100.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.98*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.35	150.37
		For 60 Degree Bend, Deduct	*-62.91*	
		For 30 Degree Bend, Deduct	*-113.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.00*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.09	186.79
		For 60 Degree Bend, Deduct	*-76.94*	
		For 30 Degree Bend, Deduct	*-138.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.45*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.07	216.68
		For 60 Degree Bend, Deduct	*-90.88*	
		For 30 Degree Bend, Deduct	*-163.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.65*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	620.01	257.97
		For 60 Degree Bend, Deduct	*-105.73*	
		For 30 Degree Bend, Deduct	*-190.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.51*	

26 05 36 00-0423 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	279.74	87.31
		For 60 Degree Bend, Deduct	*-58.86*	
		For 30 Degree Bend, Deduct	*-102.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	318.54	106.03
		For 60 Degree Bend, Deduct	*-64.48*	
		For 30 Degree Bend, Deduct	*-113.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.02*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	349.95	123.06
		For 60 Degree Bend, Deduct	*-68.31*	
		For 30 Degree Bend, Deduct	*-120.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.74*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	422.48	159.28
		For 60 Degree Bend, Deduct	*-78.34*	
		For 30 Degree Bend, Deduct	*-139.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.97*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	500.11	200.45
		For 60 Degree Bend, Deduct	*-88.19*	
		For 30 Degree Bend, Deduct	*-158.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.31*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.49	235.30
		For 60 Degree Bend, Deduct	*-109.93*	
		For 30 Degree Bend, Deduct	*-196.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.04*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.17	284.82
		For 60 Degree Bend, Deduct	*-126.15*	
		For 30 Degree Bend, Deduct	*-226.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.58*	

26 05 36 00-0431 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	319.28	112.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.53*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	349.08	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.17*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	376.20	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.75*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.88	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.04*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.02	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.80*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	538.97	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.10*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	598.23	257.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.36*	

26 05 36 00-0439 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.72	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.37*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	415.73	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.29*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	448.35	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.30*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	519.50	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.39*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.89	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.94*	
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	640.76	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.58*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	734.30	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.69*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	455.44	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.30*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.92	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.82*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	528.11	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.53*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	617.81	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.08*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.92	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.28*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	777.15	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.16*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	877.15	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.21*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.29	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.28*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	609.51	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.34*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	639.25	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.43*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	713.77	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.82*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	808.73	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.83*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	899.27	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.37*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,017.77	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.71*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.10	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.30*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	761.86	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.69*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.25	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.97*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	872.11	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.17*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	968.41	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.64*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,041.91	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.13*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,258.95	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.17*	

26 05 36 00-0471 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	903.71	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.88*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	966.69	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.93*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0474		EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,026.02	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.56*	
26 05 36 00-0475		EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,128.37	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.64*	
26 05 36 00-0476		EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,280.64	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.87*	
26 05 36 00-0477		EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,388.72	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.14*	
26 05 36 00-0478		EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,565.22	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.53*	

26 05 36 00-0479 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0480		EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.17	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.11*	
26 05 36 00-0481		EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	694.36	208.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.07*	
26 05 36 00-0482		EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.17	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.06*	
26 05 36 00-0483		EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.34	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.22*	
26 05 36 00-0484		EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	772.04	245.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.71*	
26 05 36 00-0485		EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	837.51	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.19*	
26 05 36 00-0486		EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	902.29	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.18*	

26 05 36 00-0487 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0488		EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	982.79	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.23*	
26 05 36 00-0489		EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,006.76	225.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.88*	
26 05 36 00-0490		EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,032.03	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.59*	
26 05 36 00-0491		EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,087.81	257.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.29*	
26 05 36 00-0492		EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,127.23	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.16*	
26 05 36 00-0493		EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,195.03	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.46*	
26 05 36 00-0494		EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,288.32	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.63*	

26 05 36 00-0495 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0496		EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,554.14	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.80*	
26 05 36 00-0497		EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,586.90	245.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.20*	
26 05 36 00-0498		EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,621.99	257.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.71*	
26 05 36 00-0499		EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,681.95	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.46*	
26 05 36 00-0500		EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,723.18	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,831.56	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.96*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,926.49	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.46*	

26 05 36 00-0503 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.69	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.61*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	737.32	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.99*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	787.60	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.72*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.94	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.94*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	951.37	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.07*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,063.34	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.14*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,162.37	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.51*	

26 05 36 00-0511 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	986.79	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.63*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,032.06	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.65*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,080.08	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.81*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,150.56	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.99*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,280.07	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.28*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,376.73	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.07*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,544.09	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.42*	

26 05 36 00-0519 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,243.05	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.11*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,310.51	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.99*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,383.25	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.13*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,509.44	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.22*	
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,725.17	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.53*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,881.81	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.13*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,059.86	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.81*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0527			12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0528		EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	814.42	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.88*	
26 05 36 00-0529		EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	855.63	284.94
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.82*	
26 05 36 00-0530		EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	916.53	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.61*	
26 05 36 00-0531		EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	986.39	318.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.08*	
26 05 36 00-0532		EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,108.91	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.83*	
26 05 36 00-0533		EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,252.41	386.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.03*	
26 05 36 00-0534		EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,372.03	416.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.52*	
26 05 36 00-0535			24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0536		EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,205.44	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.50*	
26 05 36 00-0537		EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,257.51	318.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.20*	
26 05 36 00-0538		EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,312.32	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.03*	
26 05 36 00-0539		EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,397.73	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.71*	
26 05 36 00-0540		EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,543.55	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.63*	
26 05 36 00-0541		EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,657.86	451.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.19*	
26 05 36 00-0542		EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,870.04	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.02*	
26 05 36 00-0543			36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544		EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,548.63	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.66*	
26 05 36 00-0545		EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,629.67	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.90*	
26 05 36 00-0546		EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,715.99	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.41*	
26 05 36 00-0547		EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,876.13	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.88*	
26 05 36 00-0548		EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,132.60	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.27*	
26 05 36 00-0549		EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,323.20	540.53
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-187.27*	
26 05 36 00-0550		EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,535.20	602.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-203.34*	
26 05 36 00-0551			12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552			12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	276.92	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.27*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.21	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.28*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	341.22	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.25*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	425.74	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.02*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.68	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.86*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.28	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.73*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.71	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.78*	

26 05 36 00-0560 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	378.55	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.05*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	413.47	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.08*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.74	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.04*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.77	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.61*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.02	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.65*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	655.47	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.05*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	766.65	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.93*	

26 05 36 00-0568 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	407.04	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.46*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.48	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.19*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.68	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.59*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.53	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.25*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	672.88	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.68*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	788.01	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.24*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	897.76	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.27*	

26 05 36 00-0576 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	205.39	82.00
		For 60 Degree Bend, Deduct	*-36.36*	
		For 30 Degree Bend, Deduct	*-65.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.43	98.36
		For 60 Degree Bend, Deduct	*-40.00*	
		For 30 Degree Bend, Deduct	*-72.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.35*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.38	112.80
		For 60 Degree Bend, Deduct	*-43.35*	
		For 30 Degree Bend, Deduct	*-78.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.84*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	316.16	142.58
		For 60 Degree Bend, Deduct	*-49.69*	
		For 30 Degree Bend, Deduct	*-90.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.74*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.06	174.61
		For 60 Degree Bend, Deduct	*-62.45*	
		For 30 Degree Bend, Deduct	*-113.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.66*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	463.23	200.45
		For 60 Degree Bend, Deduct	*-76.02*	
		For 30 Degree Bend, Deduct	*-137.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.62*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.93	235.30
		For 60 Degree Bend, Deduct	*-83.68*	
		For 30 Degree Bend, Deduct	*-152.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.08*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	227.94	84.60
		For 60 Degree Bend, Deduct	*-42.81*	
		For 30 Degree Bend, Deduct	*-76.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.75*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.60	101.97
		For 60 Degree Bend, Deduct	*-47.56*	
		For 30 Degree Bend, Deduct	*-84.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.76*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	300.10	117.76
		For 60 Degree Bend, Deduct	*-53.90*	
		For 30 Degree Bend, Deduct	*-96.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.20*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	357.33	150.37
		For 60 Degree Bend, Deduct	*-60.26*	
		For 30 Degree Bend, Deduct	*-108.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.20*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	440.37	186.79
		For 60 Degree Bend, Deduct	*-73.73*	
		For 30 Degree Bend, Deduct	*-133.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.47*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	515.45	216.68
		For 60 Degree Bend, Deduct	*-87.05*	
		For 30 Degree Bend, Deduct	*-157.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.49*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.71	257.97
		For 60 Degree Bend, Deduct	*-101.34*	
		For 30 Degree Bend, Deduct	*-183.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.18*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	270.34	87.31
		For 60 Degree Bend, Deduct	*-55.76*	
		For 30 Degree Bend, Deduct	*-97.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.76*	
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	308.61	106.03
		For 60 Degree Bend, Deduct	*-61.20*	
		For 30 Degree Bend, Deduct	*-107.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.81	123.06
		For 60 Degree Bend, Deduct	*-64.97*	
		For 30 Degree Bend, Deduct	*-115.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.73*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	411.49	159.28
		For 60 Degree Bend, Deduct	*-74.72*	
		For 30 Degree Bend, Deduct	*-133.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.87*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.49	200.45
		For 60 Degree Bend, Deduct	*-84.35*	
		For 30 Degree Bend, Deduct	*-151.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.14*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	591.49	235.30
		For 60 Degree Bend, Deduct	*-104.98*	
		For 30 Degree Bend, Deduct	*-188.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.54*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.48	284.82
		For 60 Degree Bend, Deduct	*-120.65*	
		For 30 Degree Bend, Deduct	*-216.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.91*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	310.09	112.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.61*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	339.68	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.23*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	366.48	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.78*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	425.74	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.02*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.46	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.74*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	527.56	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.96*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	586.40	257.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.18*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.73	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.07*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.43	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.96*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.51	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.92*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	504.93	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.93*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	564.57	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.40*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.60	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.97*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.13	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.88*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0617	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.91	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0618	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.75	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.01*	
26 05 36 00-0619	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	509.73	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.70*	
26 05 36 00-0620	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	597.95	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.09*	
26 05 36 00-0621	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.85	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.27*	
26 05 36 00-0622	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	754.33	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.87*	
26 05 36 00-0623	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.86	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.78*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625	EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.07	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.25*	
26 05 36 00-0626	EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.78	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.17*	
26 05 36 00-0627	EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	616.31	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.14*	
26 05 36 00-0628	EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	687.51	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.19*	
26 05 36 00-0629	EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	777.94	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.75*	
26 05 36 00-0630	EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	862.45	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.69*	
26 05 36 00-0631	EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	976.12	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.55*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633	EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.41	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.13*	
26 05 36 00-0634	EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	728.66	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.37*	
26 05 36 00-0635	EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	760.85	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.53*	
26 05 36 00-0636	EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	834.98	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.45*	
26 05 36 00-0637	EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	927.97	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.60*	
26 05 36 00-0638	EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	997.85	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.72*	
26 05 36 00-0639	EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,202.51	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.52*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641	EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	856.32	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.14*	
26 05 36 00-0642	EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	917.49	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.01*	
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	973.51	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.31*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,071.93	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,216.96	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.50*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,319.31	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.20*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,490.67	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.08*	
26 05 36 00-0648		12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	643.77	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.67*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.65	208.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.60*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.16	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.56*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	712.72	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.66*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	735.83	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.09*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.87	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.33*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	862.15	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.17*	
26 05 36 00-0656		24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	920.62	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.01*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	943.69	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.57*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	968.05	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.19*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,022.01	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.71*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,059.63	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.40*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,125.62	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.52*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,215.89	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.39*	
26 05 36 00-0664		36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,437.95	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.18*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,469.20	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.43*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,502.78	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.78*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,561.23	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.39*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,600.95	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.05*	
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,704.81	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.28*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,798.23	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.63*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0672			12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0673		EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	676.65	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.11*	
26 05 36 00-0674		EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	711.06	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.37*	
26 05 36 00-0675		EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.93	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.85*	
26 05 36 00-0676		EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	813.56	318.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.80*	
26 05 36 00-0677		EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	916.36	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.57*	
26 05 36 00-0678		EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,021.39	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.95*	
26 05 36 00-0679		EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,115.59	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.83*	
26 05 36 00-0680			24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0681		EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	938.20	300.50
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.78*	
26 05 36 00-0682		EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	981.96	318.66
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.64*	
26 05 36 00-0683		EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,028.47	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.65*	
26 05 36 00-0684		EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,095.63	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.50*	
26 05 36 00-0685		EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,221.52	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.42*	
26 05 36 00-0686		EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,314.26	451.20
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.83*	
26 05 36 00-0687		EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,471.66	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.18*	
26 05 36 00-0688			36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0689		EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,175.15	338.40
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.32*	
26 05 36 00-0690		EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,239.59	360.74
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.90*	
26 05 36 00-0691		EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,309.31	386.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.74*	
26 05 36 00-0692		EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,427.96	416.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.07*	
26 05 36 00-0693		EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,634.63	491.81
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.47*	
26 05 36 00-0694		EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,783.73	540.53
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.33*	
26 05 36 00-0695		EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,954.23	602.13
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.25*	
26 05 36 00-0696			12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0697		EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	778.10	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	817.56	284.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.01*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	874.96	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.46*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	940.87	318.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.52*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,058.15	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.75*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,191.58	386.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.95*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,304.20	416.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.73*	

26 05 36 00-0704 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,134.99	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.45*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,184.86	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.93*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,237.48	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.55*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,318.09	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.75*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,458.65	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.14*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,567.27	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.13*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,765.01	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.51*	

26 05 36 00-0712 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,450.16	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.82*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,526.83	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.62*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,608.77	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.69*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,757.98	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.07*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,001.32	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.14*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,180.97	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-173.05*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,382.04	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.03*	

26 05 36 00-0720 Dropout Or End Plates And Reducers *(26 05 36 00-0002)*

26 05 36 00-0721 Straight Reducers *(26 05 36 00-0720)*

26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	277.61	83.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.82*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	292.09	90.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.70*	
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	315.28	104.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.86*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	345.43	120.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.51*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	373.48	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	423.76	154.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.49*	

26 05 36 00-0728 Reducers *(26 05 36 00-0720)*

26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	321.42	104.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.47*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	351.76	120.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.13*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	385.37	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.27*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	391.23	135.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.86*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	426.78	154.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.79*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	439.58	158.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.73*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	454.07	163.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.76*	

26 05 36 00-0736 Dropout Or End Plate *(26 05 36 00-0720)*

26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	71.94	33.84
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	82.67	38.69
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	89.29	41.62
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	105.39	49.18
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	118.61	54.15
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	131.38	60.12
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	148.41	67.68

26 05 36 00-0744 Ladder Bottom Aluminum Cable Tray *(26 05 36 00-0001)*

Note: 4-5/8" Height

26 05 36 00-0745 Straight Tray Sections *(26 05 36 00-0744)*

26 05 36 00-0746 4" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	122.63	7.90
		For Class 12C Instead Of Class 12B, Add	*17.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.13*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	129.70	8.35
		For Class 12C Instead Of Class 12B, Add	*18.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.49*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	136.76	8.68
		For Class 12C Instead Of Class 12B, Add	*19.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.84*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	152.00	9.47
		For Class 12C Instead Of Class 12B, Add	*21.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.60*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	175.90	10.15
		For Class 12C Instead Of Class 12B, Add	*24.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.80*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	193.06	10.83
		For Class 12C Instead Of Class 12B, Add	*27.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.65*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	208.18	11.51
		For Class 12C Instead Of Class 12B, Add	*29.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.41*	

26 05 36 00-0754 6" Rung Spacing *(26 05 36 00-0745)*

26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	112.68	7.90
		For Class 12C Instead Of Class 12B, Add	*15.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.63*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	119.17	8.35
		For Class 12C Instead Of Class 12B, Add	*16.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.96*	
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	125.64	8.68
		For Class 12C Instead Of Class 12B, Add	*17.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.28*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	139.62	9.47
		For Class 12C Instead Of Class 12B, Add	*19.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	161.44	10.15
		For Class 12C Instead Of Class 12B, Add	*22.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.07*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	177.15	10.83
		For Class 12C Instead Of Class 12B, Add	*24.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.86*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	191.00	11.51
		For Class 12C Instead Of Class 12B, Add	*26.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.55*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	100.00	7.56
		For Class 12C Instead Of Class 12B, Add	*13.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.00*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	101.03	7.90
		For Class 12C Instead Of Class 12B, Add	*13.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.05*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	108.47	8.35
		For Class 12C Instead Of Class 12B, Add	*14.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.42*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	115.79	8.91
		For Class 12C Instead Of Class 12B, Add	*15.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.79*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	131.85	9.25
		For Class 12C Instead Of Class 12B, Add	*18.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.59*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	146.20	9.92
		For Class 12C Instead Of Class 12B, Add	*20.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.31*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	154.92	10.83
		For Class 12C Instead Of Class 12B, Add	*21.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.75*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	98.10	7.33
		For Class 12C Instead Of Class 12B, Add	*13.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.91*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	99.03	7.56
		For Class 12C Instead Of Class 12B, Add	*13.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.95*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	102.68	8.01
		For Class 12C Instead Of Class 12B, Add	*14.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.13*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	108.80	8.46
		For Class 12C Instead Of Class 12B, Add	*14.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.44*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	119.67	8.57
		For Class 12C Instead Of Class 12B, Add	*16.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.98*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	128.32	9.47
		For Class 12C Instead Of Class 12B, Add	*17.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.42*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	135.47	10.26
		For Class 12C Instead Of Class 12B, Add	*18.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.77*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	97.29	7.11
		For Class 12C Instead Of Class 12B, Add	*13.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.86*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	96.76	7.45
		For Class 12C Instead Of Class 12B, Add	*13.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	102.12	7.67
		For Class 12C Instead Of Class 12B, Add	*14.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.11*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	107.63	8.12
		For Class 12C Instead Of Class 12B, Add	*14.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.38*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	115.13	8.23
		For Class 12C Instead Of Class 12B, Add	*15.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.76*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	119.77	9.02
		For Class 12C Instead Of Class 12B, Add	*16.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.99*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	126.06	9.81
		For Class 12C Instead Of Class 12B, Add	*17.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.30*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	348.14	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.41*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	378.46	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.92*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	431.36	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.57*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	509.25	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.46*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	604.89	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.24*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	662.94	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.15*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	777.31	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.87*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	479.01	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.95*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	520.44	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.02*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	559.83	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.99*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	646.69	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.33*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	728.84	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.44*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	812.00	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.60*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	927.38	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.37*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	516.13	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.81*	
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	556.44	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.82*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	621.18	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.06*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	734.21	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	844.84	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.24*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	948.29	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.41*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,099.91	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.00*	
26 05 36 00-0811		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	241.70	82.00
		For 60 Degree Bend, Deduct	*-48.34*	
		For 30 Degree Bend, Deduct	*-85.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.09*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	272.98	98.36
		For 60 Degree Bend, Deduct	*-52.40*	
		For 30 Degree Bend, Deduct	*-92.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.65*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	301.16	112.80
		For 60 Degree Bend, Deduct	*-56.14*	
		For 30 Degree Bend, Deduct	*-99.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.06*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	370.93	142.58
		For 60 Degree Bend, Deduct	*-67.77*	
		For 30 Degree Bend, Deduct	*-120.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.55*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	456.72	174.61
		For 60 Degree Bend, Deduct	*-83.78*	
		For 30 Degree Bend, Deduct	*-149.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.84*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	524.06	200.45
		For 60 Degree Bend, Deduct	*-96.09*	
		For 30 Degree Bend, Deduct	*-171.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.20*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	590.24	235.30
		For 60 Degree Bend, Deduct	*-104.57*	
		For 30 Degree Bend, Deduct	*-187.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.51*	
26 05 36 00-0819		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	282.38	84.60
		For 60 Degree Bend, Deduct	*-60.77*	
		For 30 Degree Bend, Deduct	*-105.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.12*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	327.59	101.97
		For 60 Degree Bend, Deduct	*-69.01*	
		For 30 Degree Bend, Deduct	*-120.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.38*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	357.90	117.76
		For 60 Degree Bend, Deduct	*-72.97*	
		For 30 Degree Bend, Deduct	*-128.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.90*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	424.45	150.37
		For 60 Degree Bend, Deduct	*-82.41*	
		For 30 Degree Bend, Deduct	*-145.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.22*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	513.33	186.79
		For 60 Degree Bend, Deduct	*-97.81*	
		For 30 Degree Bend, Deduct	*-173.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.67*	
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	603.56	216.68
		For 60 Degree Bend, Deduct	*-116.13*	
		For 30 Degree Bend, Deduct	*-205.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.18*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	684.49	257.97
		For 60 Degree Bend, Deduct	*-127.01*	
		For 30 Degree Bend, Deduct	*-226.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.22*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0827		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0786)*			
26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		335.38	87.31
		For 60 Degree Bend, Deduct		*-77.22*	
		For 30 Degree Bend, Deduct		*-133.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-26.27*	
		For 6" Overall Height Instead Of 4-5/8", Add		*16.77*	
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		370.68	106.03
		For 60 Degree Bend, Deduct		*-81.69*	
		For 30 Degree Bend, Deduct		*-142.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-28.23*	
		For 6" Overall Height Instead Of 4-5/8", Add		*18.53*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		403.12	123.06
		For 60 Degree Bend, Deduct		*-85.86*	
		For 30 Degree Bend, Deduct		*-149.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-30.06*	
		For 6" Overall Height Instead Of 4-5/8", Add		*20.16*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		483.77	159.28
		For 60 Degree Bend, Deduct		*-98.57*	
		For 30 Degree Bend, Deduct		*-173.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-35.10*	
		For 6" Overall Height Instead Of 4-5/8", Add		*24.19*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		600.85	200.45
		For 60 Degree Bend, Deduct		*-121.43*	
		For 30 Degree Bend, Deduct		*-213.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.38*	
		For 6" Overall Height Instead Of 4-5/8", Add		*30.04*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		675.11	235.30
		For 60 Degree Bend, Deduct		*-132.58*	
		For 30 Degree Bend, Deduct		*-234.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.90*	
		For 6" Overall Height Instead Of 4-5/8", Add		*33.76*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray		785.93	284.82
		For 60 Degree Bend, Deduct		*-150.16*	
		For 30 Degree Bend, Deduct		*-266.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-54.86*	
		For 6" Overall Height Instead Of 4-5/8", Add		*39.30*	
26 05 36 00-0835		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0786)*			
26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		386.46	112.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-29.25*	
		For 6" Overall Height Instead Of 4-5/8", Add		*19.32*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		424.06	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-31.67*	
		For 6" Overall Height Instead Of 4-5/8", Add		*21.20*	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		450.26	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.16*	
		For 6" Overall Height Instead Of 4-5/8", Add		*22.51*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		511.13	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-36.56*	
		For 6" Overall Height Instead Of 4-5/8", Add		*25.56*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		565.05	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-39.80*	
		For 6" Overall Height Instead Of 4-5/8", Add		*28.25*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		617.76	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-42.98*	
		For 6" Overall Height Instead Of 4-5/8", Add		*30.89*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray		678.20	257.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-46.36*	
		For 6" Overall Height Instead Of 4-5/8", Add		*33.91*	
26 05 36 00-0843		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0786)*			
26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		410.81	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-31.28*	
		For 6" Overall Height Instead Of 4-5/8", Add		*20.54*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		449.32	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-33.65*	
		For 6" Overall Height Instead Of 4-5/8", Add		*22.47*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		479.80	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-35.45*	
		For 6" Overall Height Instead Of 4-5/8", Add		*23.99*	
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		553.02	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-39.74*	
		For 6" Overall Height Instead Of 4-5/8", Add		*27.65*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray		617.27	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-43.67*	
		For 6" Overall Height Instead Of 4-5/8", Add		*30.86*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray		680.51	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct		*-47.56*	
		For 6" Overall Height Instead Of 4-5/8", Add		*34.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	763.42	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.17*	
26 05 36 00-0851		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0786)*		
26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	536.92	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.85*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	576.56	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.83*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	626.38	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.32*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	709.39	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.47*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	781.91	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.10*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	869.77	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.49*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	966.69	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.33*	
26 05 36 00-0859		**12" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	589.99	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.50*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	636.13	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.81*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	657.56	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.88*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	747.66	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.38*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.37	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.37*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	910.09	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.50*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,055.36	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.77*	
26 05 36 00-0867		**24" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	782.49	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.12*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	842.68	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.13*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	875.25	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.76*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	962.47	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.12*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,066.86	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.34*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,152.93	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.65*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,538.94	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.95*	
26 05 36 00-0875		**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	981.53	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.08*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,041.41	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,120.08	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.00*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,216.97	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.85*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,364.36	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.22*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,606.48	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.32*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,833.00	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.65*	

26 05 36 00-0883 12" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	848.24	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.41*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	876.42	208.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.82*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	893.96	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.70*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	936.35	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.82*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	999.05	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.95*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,051.63	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.58*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,120.08	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.00*	

26 05 36 00-0891 24" Radius Vertical Tees *(26 05 36 00-0786)*

26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,231.70	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.59*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,257.88	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.89*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,285.35	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.27*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,349.29	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.46*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,393.13	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.66*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,465.33	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.27*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,614.75	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.74*	

26 05 36 00-0899 36" Radius Vertical Tee *(26 05 36 00-0786)*

26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,048.46	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.42*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,087.63	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*104.38*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,129.14	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-191.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*106.46*	
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,195.55	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-195.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*109.78*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,243.19	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-199.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*112.16*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,370.81	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-208.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*118.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,472.15	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-215.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*123.61*	
26 05 36 00-0907		**12" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	770.18	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.51*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.50	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.38*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	857.40	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.87*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	962.63	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.13*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.85	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.39*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,169.22	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.46*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,351.30	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.57*	
26 05 36 00-0915		**24" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,112.58	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.63*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,161.52	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.08*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,213.22	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.66*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,284.27	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.21*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,437.61	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.88*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,583.76	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.19*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,757.47	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.87*	
26 05 36 00-0923		**36" Radius Horizontal Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,284.52	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.23*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,385.96	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.30*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,475.60	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.78*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,542.69	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.13*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,870.52	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.53*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,064.29	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.21*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,298.24	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*114.91*	
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*		
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	770.18	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.51*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	827.66	284.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	857.31	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.87*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	962.83	318.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.14*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.85	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.39*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,169.51	386.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.48*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,350.45	416.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.52*	
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,112.58	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.63*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,161.52	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.08*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,213.22	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.12*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.66*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,284.27	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.21*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,437.61	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.88*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,547.57	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-117.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.38*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,716.66	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.83*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,608.75	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.44*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,689.56	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*84.48*	
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,797.42	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.87*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,924.34	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-157.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.22*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,343.36	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-193.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*117.17*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,587.79	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-213.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*129.39*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,880.84	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-237.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*144.04*	
26 05 36 00-0955		**6" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-0956		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	325.34	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.27*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	355.07	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.75*	
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	403.64	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.18*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	478.08	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.90*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	566.21	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	621.95	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.10*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	727.66	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.38*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	438.59	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.93*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	478.29	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.91*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	515.67	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.78*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	598.77	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.94*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	676.31	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.82*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	754.55	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.73*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	862.72	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.14*	
26 05 36 00-0972		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	471.68	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.58*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	510.83	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.54*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	570.37	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.52*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	677.06	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.85*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	780.18	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.01*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	877.27	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.86*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,018.51	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.93*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	226.68	82.00
		For 60 Degree Bend, Deduct	*-43.38*	
		For 30 Degree Bend, Deduct	*-76.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.33*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	257.39	98.36
		For 60 Degree Bend, Deduct	*-47.25*	
		For 30 Degree Bend, Deduct	*-84.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.87*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	284.99	112.80
		For 60 Degree Bend, Deduct	*-50.81*	
		For 30 Degree Bend, Deduct	*-90.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.25*	
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	351.88	142.58
		For 60 Degree Bend, Deduct	*-61.48*	
		For 30 Degree Bend, Deduct	*-110.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.59*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	433.04	174.61
		For 60 Degree Bend, Deduct	*-75.97*	
		For 30 Degree Bend, Deduct	*-136.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	496.93	200.45
		For 60 Degree Bend, Deduct	*-87.14*	
		For 30 Degree Bend, Deduct	*-156.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.85*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	561.95	235.30
		For 60 Degree Bend, Deduct	*-95.24*	
		For 30 Degree Bend, Deduct	*-171.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.10*	

26 05 36 00-0988 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	262.17	84.60
		For 60 Degree Bend, Deduct	*-54.10*	
		For 30 Degree Bend, Deduct	*-94.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.11*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	305.08	101.97
		For 60 Degree Bend, Deduct	*-61.58*	
		For 30 Degree Bend, Deduct	*-108.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.25*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	334.81	117.76
		For 60 Degree Bend, Deduct	*-65.35*	
		For 30 Degree Bend, Deduct	*-115.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.74*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	399.62	150.37
		For 60 Degree Bend, Deduct	*-74.22*	
		For 30 Degree Bend, Deduct	*-132.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.98*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	484.46	186.79
		For 60 Degree Bend, Deduct	*-88.28*	
		For 30 Degree Bend, Deduct	*-157.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.22*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	568.92	216.68
		For 60 Degree Bend, Deduct	*-104.70*	
		For 30 Degree Bend, Deduct	*-186.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.45*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	648.11	257.97
		For 60 Degree Bend, Deduct	*-115.00*	
		For 30 Degree Bend, Deduct	*-206.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.41*	

26 05 36 00-0996 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0955)*

26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	308.25	87.31
		For 60 Degree Bend, Deduct	*-68.27*	
		For 30 Degree Bend, Deduct	*-118.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.41*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	342.96	106.03
		For 60 Degree Bend, Deduct	*-72.54*	
		For 30 Degree Bend, Deduct	*-126.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.15*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	374.83	123.06
		For 60 Degree Bend, Deduct	*-76.52*	
		For 30 Degree Bend, Deduct	*-134.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.74*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	452.60	159.28
		For 60 Degree Bend, Deduct	*-88.28*	
		For 30 Degree Bend, Deduct	*-155.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.63*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	562.75	200.45
		For 60 Degree Bend, Deduct	*-108.86*	
		For 30 Degree Bend, Deduct	*-192.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.14*	
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	634.69	235.30
		For 60 Degree Bend, Deduct	*-119.24*	
		For 30 Degree Bend, Deduct	*-211.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.73*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	741.48	284.82
		For 60 Degree Bend, Deduct	*-135.50*	
		For 30 Degree Bend, Deduct	*-241.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1004		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	370.58	112.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.53*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	407.32	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.37*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	433.23	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.45*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.66*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	493.52	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.68*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	546.58	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.33*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	598.42	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.92*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	658.28	257.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.91*	
26 05 36 00-1012		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	393.63	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.68*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	431.42	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.57*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	461.47	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.07*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	533.68	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.68*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	596.78	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.84*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	658.86	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.94*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	740.33	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.02*	
26 05 36 00-1020		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-0955)*		
26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	510.36	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.52*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	549.42	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.47*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	597.51	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.88*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	679.37	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.97*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	750.74	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.54*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	836.28	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.81*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	931.76	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.59*	
26 05 36 00-1028		**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029	EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	572.39	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.62*	
26 05 36 00-1030	EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	617.37	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.87*	
26 05 36 00-1031	EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	638.51	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1032	EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	724.86	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.24*	
26 05 36 00-1033	EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	802.26	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.11*	
26 05 36 00-1034	EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	880.94	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.05*	
26 05 36 00-1035	EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,020.43	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.02*	

26 05 36 00-1036 24" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1037	EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	752.47	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.62*	
26 05 36 00-1038	EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	810.92	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.55*	
26 05 36 00-1039	EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	842.63	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.13*	
26 05 36 00-1040	EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	926.96	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.35*	
26 05 36 00-1041	EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,028.18	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.41*	
26 05 36 00-1042	EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,110.49	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.52*	
26 05 36 00-1043	EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,473.98	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.70*	

26 05 36 00-1044 36" Radius Horizontal Tees *(26 05 36 00-0955)*

26 05 36 00-1045	EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	939.09	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.95*	
26 05 36 00-1046	EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	997.82	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.89*	
26 05 36 00-1047	EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,072.45	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.62*	
26 05 36 00-1048	EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,166.74	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.34*	
26 05 36 00-1049	EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,308.93	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.45*	
26 05 36 00-1050	EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,536.34	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.82*	
26 05 36 00-1051	EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,755.06	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*87.75*	

26 05 36 00-1052 12" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1053	EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	808.69	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.43*	
26 05 36 00-1054	EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	835.72	208.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.79*	
26 05 36 00-1055	EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	852.97	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.65*	
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	894.49	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*44.72*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	953.73	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.69*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,005.44	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.27*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,072.45	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1060		**24" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,164.73	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.24*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,190.05	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.50*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,216.65	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.83*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,278.57	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.93*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,320.67	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.03*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,391.14	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.56*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,533.93	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.70*	
26 05 36 00-1068		**36" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,921.06	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*96.05*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,958.58	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.93*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,998.42	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.92*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,063.18	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.16*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,109.17	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*105.46*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,231.82	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-194.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*111.59*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,331.51	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-200.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*116.58*	
26 05 36 00-1076		**12" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	745.64	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.28*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	800.37	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.02*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	829.97	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.50*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.43	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.47*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,013.50	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.68*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,128.80	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.44*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,300.78	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.04*	
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,065.53	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.28*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,113.03	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.65*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,163.28	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,231.73	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.59*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,380.46	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.02*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,486.37	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.32*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,647.67	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.38*	

26 05 36 00-1092 36" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,229.09	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.45*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,294.08	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.70*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,378.21	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.91*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,477.45	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*73.87*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,789.70	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.49*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,974.81	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*98.74*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,198.65	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*109.93*	

26 05 36 00-1100 12" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	745.64	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.28*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	800.53	284.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.03*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	829.88	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.49*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.63	318.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.48*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,013.50	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.68*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,129.09	386.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.45*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,299.93	416.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.00*	

26 05 36 00-1108 24" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,065.53	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.28*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,113.03	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.65*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,163.28	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.16*	
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,231.73	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*61.59*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,380.46	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.02*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,486.37	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.04*	
		For 6" Overall Height Instead Of 4-5/8", Add	*74.32*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,647.67	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1116		**36" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,528.38	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.42*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,605.85	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.29*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,708.68	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.43*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,829.74	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*91.49*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,226.16	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-181.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*111.31*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,458.04	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-200.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*122.90*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,736.44	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-223.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*136.82*	
26 05 36 00-1124		**9" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1125		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	302.53	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.13*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	331.69	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.58*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	375.93	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.80*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	446.90	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.35*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	527.53	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.38*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	580.95	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.05*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	678.00	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.90*	
26 05 36 00-1133		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	398.18	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.91*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	436.15	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.81*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	471.50	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.58*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	550.85	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.54*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	623.77	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.19*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	697.11	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.86*	
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	798.06	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.90*	
26 05 36 00-1141		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	427.22	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.36*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	465.22	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	519.57	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.98*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	619.90	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.00*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	715.52	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.78*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	806.26	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.31*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	937.10	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.86*	

26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	211.67	82.00
		For 60 Degree Bend, Deduct	*-38.43*	
		For 30 Degree Bend, Deduct	*-68.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.58*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	241.80	98.36
		For 60 Degree Bend, Deduct	*-42.11*	
		For 30 Degree Bend, Deduct	*-75.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.09*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	268.83	112.80
		For 60 Degree Bend, Deduct	*-45.47*	
		For 30 Degree Bend, Deduct	*-82.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.44*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	332.83	142.58
		For 60 Degree Bend, Deduct	*-55.19*	
		For 30 Degree Bend, Deduct	*-99.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.64*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	409.37	174.61
		For 60 Degree Bend, Deduct	*-68.16*	
		For 30 Degree Bend, Deduct	*-123.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.47*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	469.79	200.45
		For 60 Degree Bend, Deduct	*-78.18*	
		For 30 Degree Bend, Deduct	*-141.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.49*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	533.66	235.30
		For 60 Degree Bend, Deduct	*-85.90*	
		For 30 Degree Bend, Deduct	*-156.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.68*	

26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	241.96	84.60
		For 60 Degree Bend, Deduct	*-47.43*	
		For 30 Degree Bend, Deduct	*-83.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.10*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	282.56	101.97
		For 60 Degree Bend, Deduct	*-54.15*	
		For 30 Degree Bend, Deduct	*-95.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.13*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	311.72	117.76
		For 60 Degree Bend, Deduct	*-57.73*	
		For 30 Degree Bend, Deduct	*-102.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.59*	
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	374.80	150.37
		For 60 Degree Bend, Deduct	*-66.03*	
		For 30 Degree Bend, Deduct	*-118.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.74*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	455.59	186.79
		For 60 Degree Bend, Deduct	*-78.75*	
		For 30 Degree Bend, Deduct	*-141.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.78*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	534.28	216.68
		For 60 Degree Bend, Deduct	*-93.26*	
		For 30 Degree Bend, Deduct	*-167.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	611.74	257.97
		For 60 Degree Bend, Deduct	*-103.00*	
		For 30 Degree Bend, Deduct	*-186.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.59*	
26 05 36 00-1165		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1124)*		
26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	281.11	87.31
		For 60 Degree Bend, Deduct	*-59.32*	
		For 30 Degree Bend, Deduct	*-103.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.06*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	315.25	106.03
		For 60 Degree Bend, Deduct	*-63.39*	
		For 30 Degree Bend, Deduct	*-111.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.76*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	346.54	123.06
		For 60 Degree Bend, Deduct	*-67.19*	
		For 30 Degree Bend, Deduct	*-118.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.33*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	421.42	159.28
		For 60 Degree Bend, Deduct	*-77.99*	
		For 30 Degree Bend, Deduct	*-138.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.07*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	524.64	200.45
		For 60 Degree Bend, Deduct	*-96.28*	
		For 30 Degree Bend, Deduct	*-171.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.23*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	594.28	235.30
		For 60 Degree Bend, Deduct	*-105.90*	
		For 30 Degree Bend, Deduct	*-189.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.71*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	697.02	284.82
		For 60 Degree Bend, Deduct	*-120.82*	
		For 30 Degree Bend, Deduct	*-217.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.85*	
26 05 36 00-1173		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	346.77	112.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.34*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	382.21	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.11*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	407.68	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.38*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	467.11	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.36*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	518.87	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.94*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	569.41	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.47*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	628.40	257.52
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.42*	
26 05 36 00-1181		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	367.87	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.39*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	404.57	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.23*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	433.97	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.70*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	504.67	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.23*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	566.03	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	626.38	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.32*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	705.68	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.28*	
26 05 36 00-1189		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1124)*		
26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	470.53	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.53*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	508.72	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.44*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	554.21	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.71*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	634.34	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.72*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	703.97	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.20*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	786.06	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.30*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	879.37	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.97*	
26 05 36 00-1197		**12" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	537.17	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.86*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	579.84	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.99*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	600.40	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.02*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	679.25	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.96*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	752.03	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.60*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	822.63	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.13*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	950.57	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.53*	
26 05 36 00-1205		**24" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	692.43	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.62*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	747.42	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.37*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	777.40	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.87*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	855.95	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.80*	
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	950.82	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.54*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,025.62	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.28*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,344.08	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.20*	
26 05 36 00-1213		**36" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	854.22	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*42.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	910.64	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.53*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	977.19	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.86*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,066.28	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.31*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,198.08	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.90*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,396.04	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*69.80*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,599.17	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*79.96*	

26 05 36 00-1221 12" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	729.60	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.48*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	754.31	208.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.72*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	770.99	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.55*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	810.78	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.54*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	863.09	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.15*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	913.07	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.65*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	977.19	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.86*	

26 05 36 00-1229 24" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,030.79	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*51.54*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,054.37	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.72*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,079.24	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.96*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,137.12	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.22*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.86*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,175.76	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.79*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,242.77	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.14*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,372.27	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.61*	

26 05 36 00-1237 36" Radius Vertical Tees *(26 05 36 00-1124)*

26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,666.25	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.31*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,700.46	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.02*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,737.00	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*86.85*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,798.44	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.92*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,841.12	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-159.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*92.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,953.85	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*97.69*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,050.23	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*102.51*	
26 05 36 00-1245		**12" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	696.57	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.83*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	746.10	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.31*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	775.13	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.76*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	863.04	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.15*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	944.80	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.24*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.98	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.40*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,199.75	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.99*	
26 05 36 00-1253		**24" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	971.42	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.57*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,016.03	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.80*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,063.40	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.17*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.66	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.33*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,266.14	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.31*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,363.98	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.20*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,509.69	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.48*	
26 05 36 00-1261		**36" Radius Horizontal Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,118.24	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.62*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.91*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,178.62	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.93*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,255.82	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*62.79*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,346.97	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.35*	
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,628.04	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*81.40*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,795.83	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*89.79*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,999.47	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.97*	
26 05 36 00-1269		**12" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	696.57	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	746.10	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.31*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	775.13	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.76*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	863.04	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.15*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	944.80	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*47.24*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.98	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*52.40*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,198.05	415.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.90*	
26 05 36 00-1277		**24" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	971.42	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.10*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.57*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,016.03	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.80*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,063.40	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.17*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,126.66	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.33*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,266.14	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.31*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,363.98	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.20*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,509.69	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*75.48*	
26 05 36 00-1285		**36" Radius Vertical Crosses** *(26 05 36 00-1124)*		
26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,367.65	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*68.38*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,438.42	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*71.92*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,531.21	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.56*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,640.55	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*82.03*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,991.76	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*99.59*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,198.52	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*109.93*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,447.62	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-194.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*122.38*	
26 05 36 00-1293		**12" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-1294		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	294.55	113.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.73*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.51	128.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.18*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	366.23	142.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.31*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	435.99	174.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	513.99	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.70*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	566.61	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.33*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	660.63	257.86
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.03*	

26 05 36 00-1302 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	384.03	117.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.60*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.20*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	421.40	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.07*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	456.04	150.37
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.80*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	534.08	186.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.70*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	605.38	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.27*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	677.00	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.85*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	775.43	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.77*	

26 05 36 00-1310 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	411.67	122.95
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.58*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	449.25	142.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.46*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	501.79	159.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.09*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	599.90	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*30.00*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	692.89	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.64*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	781.41	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.07*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	908.61	318.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.43*	

26 05 36 00-1318 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	206.42	82.00
		For 60 Degree Bend, Deduct	*-36.70*	
		For 30 Degree Bend, Deduct	*-65.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.32*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	236.34	98.36
		For 60 Degree Bend, Deduct	*-40.30*	
		For 30 Degree Bend, Deduct	*-72.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.82*	
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	263.17	112.80
		For 60 Degree Bend, Deduct	*-43.61*	
		For 30 Degree Bend, Deduct	*-78.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	326.16	142.58
		For 60 Degree Bend, Deduct	*-52.99*	
		For 30 Degree Bend, Deduct	*-96.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.31*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	401.09	174.61
		For 60 Degree Bend, Deduct	*-65.43*	
		For 30 Degree Bend, Deduct	*-118.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	460.30	200.45
		For 60 Degree Bend, Deduct	*-75.05*	
		For 30 Degree Bend, Deduct	*-136.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.02*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	523.76	235.30
		For 60 Degree Bend, Deduct	*-82.63*	
		For 30 Degree Bend, Deduct	*-150.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.19*	

26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	234.89	84.60
		For 60 Degree Bend, Deduct	*-45.10*	
		For 30 Degree Bend, Deduct	*-79.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.74*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	274.68	101.97
		For 60 Degree Bend, Deduct	*-51.55*	
		For 30 Degree Bend, Deduct	*-91.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.73*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	303.63	117.76
		For 60 Degree Bend, Deduct	*-55.06*	
		For 30 Degree Bend, Deduct	*-98.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.18*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	366.11	150.37
		For 60 Degree Bend, Deduct	*-63.16*	
		For 30 Degree Bend, Deduct	*-113.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.31*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	445.49	186.79
		For 60 Degree Bend, Deduct	*-75.42*	
		For 30 Degree Bend, Deduct	*-136.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.99*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.27*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	522.16	216.68
		For 60 Degree Bend, Deduct	*-89.26*	
		For 30 Degree Bend, Deduct	*-160.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.11*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	599.01	257.97
		For 60 Degree Bend, Deduct	*-98.80*	
		For 30 Degree Bend, Deduct	*-179.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.95*	

26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	271.62	87.31
		For 60 Degree Bend, Deduct	*-56.18*	
		For 30 Degree Bend, Deduct	*-98.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.89*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.58*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	305.55	106.03
		For 60 Degree Bend, Deduct	*-60.19*	
		For 30 Degree Bend, Deduct	*-106.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.28*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	336.64	123.06
		For 60 Degree Bend, Deduct	*-63.92*	
		For 30 Degree Bend, Deduct	*-113.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.83*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	410.51	159.28
		For 60 Degree Bend, Deduct	*-74.39*	
		For 30 Degree Bend, Deduct	*-132.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.53*	
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	511.30	200.45
		For 60 Degree Bend, Deduct	*-91.88*	
		For 30 Degree Bend, Deduct	*-164.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.57*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	580.13	235.30
		For 60 Degree Bend, Deduct	*-101.23*	
		For 30 Degree Bend, Deduct	*-181.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.01*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	681.47	284.82
		For 60 Degree Bend, Deduct	*-115.69*	
		For 30 Degree Bend, Deduct	*-208.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.07*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1342			**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1343		EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	330.89	112.80
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.69*	
			For 6" Overall Height Instead Of 4-5/8", Add	*16.54*	
26 05 36 00-1344		EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	365.46	128.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.81*	
			For 6" Overall Height Instead Of 4-5/8", Add	*18.27*	
26 05 36 00-1345		EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	390.65	142.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.20*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.53*	
26 05 36 00-1346		EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	449.50	174.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.40*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.48*	
26 05 36 00-1347		EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	500.39	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.33*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.02*	
26 05 36 00-1348		EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	550.07	225.60
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.21*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.50*	
26 05 36 00-1349		EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	608.48	257.52
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.39*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.42*	
26 05 36 00-1350			**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1351		EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	350.69	117.65
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.26*	
			For 6" Overall Height Instead Of 4-5/8", Add	*17.53*	
26 05 36 00-1352		EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	386.68	135.36
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.39*	
			For 6" Overall Height Instead Of 4-5/8", Add	*19.33*	
26 05 36 00-1353		EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	415.64	150.37
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.03*	
			For 6" Overall Height Instead Of 4-5/8", Add	*20.78*	
26 05 36 00-1354		EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	485.33	186.79
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.27*	
26 05 36 00-1355		EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	545.54	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*27.28*	
26 05 36 00-1356		EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	604.73	245.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.98*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.24*	
26 05 36 00-1357		EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	682.59	284.82
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.52*	
			For 6" Overall Height Instead Of 4-5/8", Add	*34.13*	
26 05 36 00-1358			**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1293)*		
26 05 36 00-1359		EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	443.97	122.95
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.15*	
			For 6" Overall Height Instead Of 4-5/8", Add	*22.20*	
26 05 36 00-1360		EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	481.58	142.47
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.29*	
			For 6" Overall Height Instead Of 4-5/8", Add	*24.08*	
26 05 36 00-1361		EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	525.34	159.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.26*	
			For 6" Overall Height Instead Of 4-5/8", Add	*26.27*	
26 05 36 00-1362		EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	604.31	200.45
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.73*	
			For 6" Overall Height Instead Of 4-5/8", Add	*30.22*	
26 05 36 00-1363		EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	672.80	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.67*	
			For 6" Overall Height Instead Of 4-5/8", Add	*33.64*	
26 05 36 00-1364		EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	752.57	270.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.70*	
			For 6" Overall Height Instead Of 4-5/8", Add	*37.63*	
26 05 36 00-1365		EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	844.44	318.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.94*	
			For 6" Overall Height Instead Of 4-5/8", Add	*42.22*	
26 05 36 00-1366			**12" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1367		EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	519.56	216.68
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.90*	
			For 6" Overall Height Instead Of 4-5/8", Add	*25.98*	
26 05 36 00-1368		EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	561.08	235.30
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.50*	
			For 6" Overall Height Instead Of 4-5/8", Add	*28.05*	
26 05 36 00-1369		EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	581.35	245.90
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.64*	
			For 6" Overall Height Instead Of 4-5/8", Add	*29.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	656.44	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.82*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	726.92	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.35*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	793.47	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*39.67*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	915.64	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.50*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.78*	
26 05 36 00-1374		**24" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	662.40	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.63*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.12*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	715.66	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.78*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	744.78	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.24*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	820.45	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.02*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	912.13	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.61*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	983.19	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.16*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,279.13	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*63.96*	
26 05 36 00-1382		**36" Radius Horizontal Tees** *(26 05 36 00-1293)*		
26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	811.79	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.59*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	867.05	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.97*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.35*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	929.56	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.48*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,016.05	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.80*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,142.66	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.07*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.13*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,325.90	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*66.30*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,521.23	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.06*	
26 05 36 00-1390		**12" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.05	200.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.50*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	713.61	208.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.00*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.68*	
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	730.00	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.95*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.50*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	768.92	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*38.45*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	817.77	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.28*	
		For 6" Overall Height Instead Of 4-5/8", Add	*40.89*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	866.88	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*43.34*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	929.56	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.48*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1398		**24" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	963.82	216.68
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.19*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	986.53	225.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.85*	
		For 6" Overall Height Instead Of 4-5/8", Add	*49.33*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,010.54	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.53*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,066.39	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.32*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,103.30	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*55.17*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,168.58	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*58.43*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,291.44	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.94*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.57*	
26 05 36 00-1406		**36" Radius Vertical Tees** *(26 05 36 00-1293)*		
26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,538.84	235.30
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*76.94*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,571.40	245.90
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.65*	
		For 6" Overall Height Instead Of 4-5/8", Add	*78.57*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,606.29	257.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*80.31*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,666.07	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*83.30*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,707.10	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.36*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,814.87	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.29*	
		For 6" Overall Height Instead Of 4-5/8", Add	*90.74*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,909.59	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*95.48*	
26 05 36 00-1414		**12" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	672.03	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.60*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	718.96	284.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.16*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.95*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	747.70	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.39*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	829.84	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.49*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	910.44	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.52*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,007.56	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.38*	
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,149.23	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.46*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	924.37	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.22*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	967.54	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.38*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,013.46	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,074.12	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.71*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,208.99	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.45*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,302.78	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.14*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,440.70	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.04*	

26 05 36 00-1430 36" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,062.82	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.14*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,120.88	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.02*	
		For 6" Overall Height Instead Of 4-5/8", Add	*56.04*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,194.62	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*59.73*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,281.73	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.09*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,547.21	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.73*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.36*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,706.35	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*85.32*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,899.88	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*94.99*	

26 05 36 00-1438 12" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	672.03	270.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.64*	
		For 6" Overall Height Instead Of 4-5/8", Add	*33.60*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	719.12	284.94
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*35.96*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	747.61	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*37.38*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	830.04	318.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*41.50*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	910.44	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*45.52*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,007.85	386.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.39*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,148.38	416.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*57.42*	

26 05 36 00-1446 24" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	924.37	300.50
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.39*	
		For 6" Overall Height Instead Of 4-5/8", Add	*46.22*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	967.54	318.66
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*48.38*	
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,013.46	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*50.67*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,074.12	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*53.71*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,208.99	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*60.45*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,302.78	451.20
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*65.14*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,440.70	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.04*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1454		**36" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,287.29	338.40
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*64.36*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,354.70	360.74
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.41*	
		For 6" Overall Height Instead Of 4-5/8", Add	*67.74*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,442.47	386.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.06*	
		For 6" Overall Height Instead Of 4-5/8", Add	*72.12*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,545.95	416.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*77.30*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,874.56	491.81
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*93.73*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,068.77	540.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-161.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*103.44*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,303.22	602.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-180.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*115.16*	
26 05 36 00-1462		**Dropout Or End Plates And Reducers** *(26 05 36 00-0744)*		
26 05 36 00-1463		**Straight Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	268.68	83.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.43*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	283.03	90.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.79*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.15*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	309.10	104.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.46*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	339.13	120.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.96*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	367.05	135.36
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.43*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.35*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	407.88	154.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.39*	
26 05 36 00-1470		**Reducers** *(26 05 36 00-1462)*		
26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	309.21	104.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.46*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	339.42	120.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.97*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	366.87	135.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.34*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	369.57	135.13
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.48*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	404.99	154.65
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.25*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	414.65	158.71
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.73*	
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	428.87	163.79
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.44*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	73.58	33.84
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	82.74	38.69
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	89.29	41.62
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	108.70	49.18
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	121.56	54.15
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	137.53	60.12
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	154.22	67.68

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1486		**Solid Bottom Cable Tray** *(26 05 36 00-0001)* Note: 3-5/8" Height.		
26 05 36 00-1487		**Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	31.88	8.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.31*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	39.80	10.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.17*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	52.69	15.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.31*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	61.02	17.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.18*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	73.06	21.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.36*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	94.31	24.70
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*10.03*	
26 05 36 00-1494		**Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1495		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	317.82	112.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.86*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	410.05	158.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.03*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	500.13	200.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.61*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	612.81	246.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.87*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	716.78	285.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.96*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	806.02	318.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.80*	
26 05 36 00-1502		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	380.13	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.42*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	497.57	169.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.41*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	610.09	216.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.41*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	741.71	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.14*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	869.88	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.47*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	982.58	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.26*	
26 05 36 00-1509		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	474.41	122.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.70*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	604.77	180.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.59*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	763.68	235.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.28*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	902.94	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.35*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,083.74	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.43*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,235.00	415.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.96*	
26 05 36 00-1516		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	285.52	112.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.00*	
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	373.73	158.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.58*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	458.24	200.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.36*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	561.62	245.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.26*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	656.47	285.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.92*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	736.29	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.44*	
26 05 36 00-1523		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	334.23	117.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	443.47	169.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.32*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	548.30	216.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.09*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	669.08	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.24*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	785.92	318.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.78*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	887.25	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.96*	

26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	407.27	122.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.60*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	500.87	163.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.80*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	670.95	235.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.37*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	803.32	301.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.32*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	963.12	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.34*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,101.17	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.72*	

26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	345.86	112.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.12*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	430.80	158.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.14*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	502.72	200.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.00*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	607.62	246.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.09*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	685.65	285.39
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.29*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	747.96	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.19*	

26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	419.04	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.26*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	526.10	169.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.69*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	625.65	216.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.74*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	739.12	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.75*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	833.56	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.03*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	933.29	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.87*	

26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	508.13	122.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.75*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	613.59	164.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.66*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	763.68	235.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.28*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	908.13	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.13*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,044.83	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.60*	
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,175.34	415.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.01*	

26 05 36 00-1558 12" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	542.65	216.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.29*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	647.61	270.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.09*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	764.52	318.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.57*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	907.29	387.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.56*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	992.87	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,162.16	491.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.35*	
26 05 36 00-1565		**24" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	674.94	235.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.02*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	830.31	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.46*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	967.01	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.92*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,247.43	451.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.91*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,359.29	491.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.92*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,587.18	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*137.72*	
26 05 36 00-1572		**36" Radius Horizontal Tees** *(26 05 36 00-1494)*		
26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	873.43	257.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*88.03*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,059.43	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*102.51*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,234.10	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.66*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,512.33	491.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.87*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,656.07	542.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*158.03*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,906.16	676.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*173.12*	
26 05 36 00-1579		**12" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	659.37	216.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.80*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	762.46	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.25*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	817.34	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.51*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	877.66	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.64*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	972.20	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.70*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,078.47	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.31*	
26 05 36 00-1586		**24" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	833.17	235.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.75*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	962.60	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.30*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,049.05	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.96*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,109.68	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*106.32*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,252.26	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*118.38*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,403.39	491.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.53*	
26 05 36 00-1593		**36" Radius Vertical Tees** *(26 05 36 00-1494)*		
26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,116.59	257.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*124.57*	
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,264.34	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.25*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,396.06	386.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*145.03*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,472.74	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*151.45*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,727.62	491.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*177.17*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,860.69	540.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*189.01*	
26 05 36 00-1600		**12" Radius Horizontal Crosses** *(26 05 36 00-1494)*		
26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	669.08	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	767.11	318.66
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.96*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	921.38	386.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*73.82*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,063.26	451.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.29*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,248.54	540.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*97.19*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,384.86	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*107.37*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	898.64	301.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.62*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,044.83	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.60*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,247.43	451.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.91*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,539.35	542.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*140.52*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,690.93	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*153.28*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,854.28	676.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*165.34*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,212.46	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*125.47*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,407.89	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*141.73*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,682.01	542.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*161.92*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,924.38	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*188.30*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,126.64	676.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*206.20*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,351.15	772.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*223.91*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	277.50	90.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.59*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	299.67	101.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.95*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	330.72	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.02*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	370.86	135.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.07*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	400.66	150.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.08*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	299.77	102.08
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.96*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	328.54	117.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.66*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	365.49	135.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.28*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	367.90	135.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.66*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	398.07	150.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.69*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	400.66	150.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.08*	
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	403.71	150.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.49*	

26 05 36 00-1635 Dropout Or End Plate *(26 05 36 00-1494)*

26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	82.86	33.84
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	101.75	41.29
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	116.94	48.96
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	131.87	54.15
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	146.87	60.12
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	162.73	67.68

26 05 36 00-1642 Solid Bottom Aluminum Straight Cable Tray Sections *(26 05 36 00-1486)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	28.49	7.11
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.09*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	35.67	8.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.97*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	45.50	10.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.01*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	54.41	11.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.18*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	66.47	15.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.40*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	79.43	16.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*9.09*	

26 05 36 00-1649 Solid Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1486)*

26 05 36 00-1650 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	321.79	112.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.46*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	387.34	142.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.40*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	449.07	159.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.83*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	522.53	186.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.22*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	618.42	216.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.61*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	698.70	246.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.76*	

26 05 36 00-1657 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	386.02	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.31*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	476.44	150.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.38*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	538.88	169.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.63*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	651.56	200.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.32*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	755.06	234.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.09*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	868.89	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.21*	

26 05 36 00-1664 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	486.59	122.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.52*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	604.12	159.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.04*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	702.27	180.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.21*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	790.84	216.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.56*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	916.49	257.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.49*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,070.15	300.05
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.52*	

26 05 36 00-1671 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	292.51	112.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.05*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	354.26	142.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.44*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	408.39	159.05
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.75*	
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	475.45	186.57
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.23*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	561.91	216.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.13*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	634.09	245.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.18*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	344.35	117.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.04*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	426.60	150.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.92*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	482.93	169.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	581.73	200.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.85*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	676.20	235.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.15*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	777.00	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.43*	
26 05 36 00-1685		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	424.86	122.95
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.23*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	529.19	159.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.85*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	614.06	180.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.98*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	697.11	216.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.41*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	809.43	257.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.43*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	946.49	301.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.80*	
26 05 36 00-1692		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	346.35	112.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.19*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	401.96	142.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.60*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	451.16	159.16
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.15*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	507.91	186.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.03*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	570.38	216.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.40*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	624.40	245.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.73*	
26 05 36 00-1699		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	421.52	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.63*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	495.24	150.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.20*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	545.14	169.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.57*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	620.24	200.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.62*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	694.50	234.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.01*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	785.35	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.68*	
26 05 36 00-1706		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1649)*		
26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	501.21	122.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.72*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	599.94	159.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.41*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	664.68	180.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.57*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	738.63	216.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.73*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	847.57	257.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.15*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	934.40	300.05
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.16*	
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	567.84	216.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.07*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	659.90	245.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.06*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	733.14	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.85*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	817.14	301.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.39*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	964.67	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.57*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,169.69	451.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	732.63	235.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.67*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	835.47	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.20*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	935.29	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.20*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,133.83	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.95*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,357.65	451.20
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*128.45*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,500.91	493.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.92*	
26 05 36 00-1727		**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	983.32	257.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.51*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,106.54	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.89*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,263.63	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*133.14*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,507.38	415.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*156.82*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,801.88	542.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*179.90*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,006.02	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*200.55*	
26 05 36 00-1734		**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	655.55	216.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.22*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	710.62	245.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.61*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	742.49	257.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.45*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	784.63	270.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.65*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	864.28	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.55*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	985.55	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*87.70*	
26 05 36 00-1741		**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	826.61	235.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.77*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	910.66	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.48*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	965.54	284.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*97.36*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,033.44	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.93*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,148.77	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*115.92*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,308.97	415.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*127.06*	
26 05 36 00-1748		**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,107.97	257.52
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*123.27*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,204.81	296.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*131.25*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,281.92	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*139.28*	
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,336.73	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.11*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,479.22	386.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*157.50*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	911.66	491.81
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.77*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	673.02	245.90
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.97*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	747.76	270.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.04*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	868.41	318.10
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*77.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,028.11	386.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.83*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,127.28	415.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.80*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,302.50	493.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*113.16*	
26 05 36 00-1762		**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	911.38	271.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.52*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,033.44	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.93*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,179.78	360.74
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*116.84*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,453.64	452.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.65*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,594.89	493.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*157.02*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,807.61	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*170.79*	
26 05 36 00-1769		**36" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,284.06	300.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*142.52*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,409.82	338.40
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*155.07*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,634.38	416.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*175.70*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,927.19	542.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*198.69*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,110.44	602.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*216.21*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,422.84	676.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*250.63*	
26 05 36 00-1776		**Straight Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	258.49	77.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.87*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	283.82	90.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.56*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	311.99	101.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.80*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	350.66	117.65
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.99*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	388.14	135.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.70*	
26 05 36 00-1782		**Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	281.81	90.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.25*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	310.22	102.19
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*29.50*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	346.34	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.35*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	348.30	117.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.66*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	388.14	135.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.70*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	390.23	135.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.01*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	394.76	135.36
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.65*	
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	82.82	33.84
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	98.67	41.29
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	117.37	48.96
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	129.61	54.15
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	146.13	60.12
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	166.06	67.68
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	40.85	11.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	48.21	13.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.70*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	56.88	15.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.39*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	65.28	17.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.04*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	86.89	21.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.89*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	102.19	27.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.96*	

26 05 36 00-1805 Vented Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1806 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	367.29	142.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.85*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	475.51	192.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.47*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	586.88	245.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.19*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	720.00	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.91*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	812.44	339.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.99*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	931.42	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.88*	

26 05 36 00-1813 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	441.99	150.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.68*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	567.93	208.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.43*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	717.91	270.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.23*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	864.65	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.27*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	929.36	349.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.80*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,154.49	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.85*	

26 05 36 00-1820 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	550.90	158.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.85*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	703.82	225.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.56*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	894.57	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.37*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,058.45	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.65*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,217.53	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.15*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,419.83	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.94*	

26 05 36 00-1827 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	338.95	142.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-22.01*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	441.64	192.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.09*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	547.35	245.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.27*	
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	671.10	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.07*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	758.03	339.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.55*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	867.00	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.51*	

26 05 36 00-1834 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	400.08	150.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.47*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	519.39	208.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.57*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	659.95	271.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.40*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	798.51	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	915.75	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.31*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,065.94	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.99*	

26 05 36 00-1841 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1805)*

26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	488.45	159.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.58*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	630.81	225.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.31*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	808.16	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.73*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	968.71	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.61*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,115.11	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.91*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,308.57	542.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.66*	

26 05 36 00-1848 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	404.27	142.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.58*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	508.25	192.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.75*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	599.00	245.90
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.41*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	717.57	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.67*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	785.77	339.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.32*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	876.60	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.47*	

26 05 36 00-1855 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	490.48	150.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.53*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	601.88	208.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.82*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	732.46	270.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.69*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	854.96	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.30*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	971.16	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.92*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,093.87	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.79*	

26 05 36 00-1862 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1805)*

26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	589.69	158.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.73*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	720.80	225.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.26*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	884.87	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.40*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,053.60	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.17*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,171.46	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.55*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,366.49	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.60*	

26 05 36 00-1869 12" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	647.59	270.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.20*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	781.10	337.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.97*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	892.62	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.00*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,038.11	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.21*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,147.09	491.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.72*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,259.80	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.93*	

26 05 36 00-1876 24" Radius Horizontal Tees *(26 05 36 00-1805)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	825.79	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.53*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	997.84	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.59*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,147.21	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.12*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,414.98	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.45*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,561.22	602.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.94*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,743.85	676.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-117.99*	

26 05 36 00-1883 36" Radius Horizontal Tees *(26 05 36 00-1805)*

26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,029.53	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.75*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,282.99	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.70*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,483.34	542.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.14*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,826.29	676.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-126.23*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,033.09	776.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.63*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,372.86	900.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-162.29*	

26 05 36 00-1890 12" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	778.52	270.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.29*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	896.17	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.42*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	940.73	360.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.01*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,002.68	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.08*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,075.25	416.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.80*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,207.71	491.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.78*	

26 05 36 00-1897 24" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	939.75	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.93*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,104.52	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.26*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,177.08	416.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.98*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,270.87	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.49*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,365.31	491.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-95.54*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,595.17	602.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.34*	

26 05 36 00-1904 36" Radius Vertical Tees *(26 05 36 00-1805)*

26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,261.17	337.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.97*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,467.26	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-109.13*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,559.28	491.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.94*	
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,691.85	542.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.99*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,912.79	602.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.10*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,209.03	772.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-156.52*	

26 05 36 00-1911 12" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	816.16	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.42*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	899.90	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.72*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,035.68	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.97*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,199.19	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,334.61	599.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.46*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,503.82	676.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-93.98*	

26 05 36 00-1918 24" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,040.52	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.79*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,166.61	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.06*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,356.79	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.63*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,707.49	676.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.35*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,927.77	772.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-128.39*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,178.90	900.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-142.89*	

26 05 36 00-1925 36" Radius Horizontal Crosses *(26 05 36 00-1805)*

26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,418.77	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-104.28*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,604.57	542.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-115.26*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,843.26	676.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-127.93*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,368.76	904.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-161.48*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,753.29	1,084.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-184.94*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,274.34	1,353.61
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-214.63*	

26 05 36 00-1932 Straight Reducers *(26 05 36 00-1805)*

26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	314.54	115.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.85*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	341.90	128.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.46*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	386.00	150.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.09*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	422.63	169.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.16*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	460.91	186.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.56*	

26 05 36 00-1938 Reducers *(26 05 36 00-1805)*

26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	341.90	128.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.46*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	384.02	150.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.87*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	419.92	168.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.91*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	422.07	168.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.14*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	458.48	186.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.32*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	460.91	186.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.56*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	464.01	186.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.84*	

26 05 36 00-1946 Dropout Or End Plate *(26 05 36 00-1805)*

26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	98.59	41.62
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	117.10	48.85
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	129.02	53.92
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	145.27	60.12
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	160.92	67.57
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	188.01	80.76

26 05 36 00-1953 Vented Bottom Aluminum Cable Tray *(26 05 36 00-1797)*

26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	39.47	8.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.21*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	43.86	9.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.58*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	49.07	10.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	57.37	12.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.73*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	66.06	13.42
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.49*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	84.57	15.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.17*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	93.71	18.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.86*	

26 05 36 00-1961 Vented Bottom Aluminum Cable Tray Fittings *(26 05 36 00-1797)*

26 05 36 00-1962 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	438.60	142.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.98*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	476.51	154.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.75*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	523.50	174.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.83*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	592.86	193.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.19*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	707.41	235.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.10*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	839.41	271.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.35*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	924.23	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.33*	

26 05 36 00-1970 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	541.79	150.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.66*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	652.13	186.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.65*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	740.61	208.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.70*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	877.89	257.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.33*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,012.77	300.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.28*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,117.56	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.56*	

26 05 36 00-1977 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	675.59	158.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.32*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	803.59	200.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.63*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	909.66	225.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.14*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,057.44	284.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-82.01*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,144.69	276.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.47*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,386.77	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.49*	

26 05 36 00-1984 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	394.57	142.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.57*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	428.68	154.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.96*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	472.22	174.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.70*	
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	532.89	192.89
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.21*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	637.64	235.30
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.15*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	754.16	271.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.82*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	830.40	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-58.00*	

26 05 36 00-1992 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	477.92	150.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.26*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	577.14	186.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.15*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	654.51	208.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	779.84	257.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.49*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	901.74	301.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.09*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	995.77	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.38*	

26 05 36 00-1999 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1961)*

26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	585.71	159.16
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.31*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	699.60	200.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.27*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	792.37	225.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.41*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	930.05	285.39
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.23*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,065.11	318.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.96*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,224.80	387.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.21*	

26 05 36 00-2006 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	481.70	142.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.32*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	516.60	154.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.80*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	552.63	174.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.74*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	592.86	193.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.19*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	692.85	235.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.65*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	766.57	271.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.06*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	818.46	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.80*	

26 05 36 00-2014 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	579.66	150.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.44*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	669.62	186.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.40*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	737.69	208.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.40*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	826.11	257.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.12*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	917.51	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.71*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,001.02	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.90*	

26 05 36 00-2021 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1961)*

26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	672.67	158.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.03*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	771.54	200.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.43*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	865.96	225.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.77*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,005.00	284.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.76*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,113.76	318.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.82*	
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,244.01	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.21*	

26 05 36 00-2028 12" Radius Horizontal Tees *(26 05 36 00-1961)*

26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	757.11	270.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.15*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	789.40	284.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.20*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	840.87	300.05
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.09*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	961.36	339.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.88*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,098.34	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.64*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,238.55	451.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,373.33	491.81
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.34*	
26 05 36 00-2036		**24" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	967.04	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.66*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,093.13	337.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-81.17*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,226.53	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.46*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,478.36	449.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.34*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,690.48	542.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-123.86*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,921.30	602.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.95*	
26 05 36 00-2043		**36" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,312.76	338.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.08*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,503.31	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.14*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,604.07	376.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.00*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,037.21	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-158.67*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,341.62	679.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-177.54*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,686.13	772.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-204.23*	
26 05 36 00-2050		**12" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	870.74	270.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.51*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	897.20	284.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.98*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	955.39	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.49*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	988.48	318.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.29*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,031.95	337.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.05*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,090.74	360.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.01*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,202.74	415.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.63*	
26 05 36 00-2058		**24" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,095.24	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.48*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,203.84	337.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.24*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,285.94	360.74
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.53*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,372.20	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-105.03*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,479.51	415.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.31*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,623.36	493.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.23*	
26 05 36 00-2065		**36" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2066	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,480.62	337.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-119.92*	
26 05 36 00-2067	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,619.85	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.79*	
26 05 36 00-2068	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,698.02	415.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-135.16*	
26 05 36 00-2069	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,831.99	452.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-145.50*	
26 05 36 00-2070	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,987.54	493.27
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-157.65*	
26 05 36 00-2071	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,223.66	599.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-172.37*	
26 05 36 00-2072		**12" Radius Horizontal Crosses** *(26 05 36 00-1961)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2073	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	882.55	300.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.21*	
26 05 36 00-2074	EA	9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	938.95	318.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.34*	
26 05 36 00-2075	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	984.67	339.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.21*	
26 05 36 00-2076	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,083.77	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.19*	
26 05 36 00-2077	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,239.46	449.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.45*	
26 05 36 00-2078	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,411.74	490.45
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.30*	
26 05 36 00-2079	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,720.27	602.13
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-121.85*	

26 05 36 00-2080 24" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2081	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,249.79	339.08
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.72*	
26 05 36 00-2082	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,392.60	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-107.07*	
26 05 36 00-2083	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,557.03	449.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.20*	
26 05 36 00-2084	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,833.27	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-138.28*	
26 05 36 00-2085	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,005.15	599.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-150.51*	
26 05 36 00-2086	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,423.92	772.57
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-178.01*	

26 05 36 00-2087 36" Radius Horizontal Crosses *(26 05 36 00-1961)*

26 05 36 00-2088	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,765.52	386.34
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-144.36*	
26 05 36 00-2089	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,948.53	452.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-157.15*	
26 05 36 00-2090	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,197.45	540.53
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-174.70*	
26 05 36 00-2091	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,632.96	679.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-206.67*	
26 05 36 00-2092	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,925.12	776.17
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-227.83*	
26 05 36 00-2093	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,393.75	900.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-264.38*	

26 05 36 00-2094 Straight Reducers *(26 05 36 00-1961)*

26 05 36 00-2095	EA	9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	336.94	90.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.17*	
26 05 36 00-2096	EA	12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	353.63	95.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.44*	
26 05 36 00-2097	EA	18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	397.65	112.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.37*	
26 05 36 00-2098	EA	24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	438.79	128.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.16*	
26 05 36 00-2099	EA	30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	480.83	150.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.55*	
26 05 36 00-2100	EA	36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	520.34	168.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.96*	

26 05 36 00-2101 Reducers *(26 05 36 00-1961)*

26 05 36 00-2102	EA	12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	353.36	94.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-27.43*	
26 05 36 00-2103	EA	18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	397.52	112.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.36*	
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	397.52	112.69
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.36*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	438.95	128.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.16*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	438.95	128.82
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.16*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	439.28	128.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.18*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	486.43	150.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.12*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	480.38	150.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.53*	
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	520.34	168.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.96*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	520.34	168.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	520.90	169.20
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-37.99*	
26 05 36 00-2113		**Dropout Or End Plate** *(26 05 36 00-1961)*		
26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	107.54	41.62
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	117.34	45.46
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	126.50	48.85
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	144.20	53.92
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	165.84	60.12
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	182.59	67.57
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	209.07	77.38
26 05 36 00-2121		**Cable Tray Covers And Dividers** *(26 05 36 00-0001)*		
26 05 36 00-2122		**Galvanized Steel Covers** *(26 05 36 00-2121)*		
26 05 36 00-2123		**Ventilated Straight Sections** *(26 05 36 00-2122)*		
26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	11.08	2.03
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	13.41	2.37
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	15.77	2.71
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	21.41	3.61
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	27.05	4.85
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	32.79	5.97
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	139.09	67.79
26 05 36 00-2131		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	69.06	7.22
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	77.14	8.46
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	83.34	10.04
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	113.56	12.86
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	138.85	16.36
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	168.37	18.16
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	203.44	21.66
26 05 36 00-2139		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	107.86	8.01
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	112.55	9.36
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	126.74	11.28
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	157.15	14.32
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	192.57	18.05
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	248.05	20.76
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	288.37	24.59
26 05 36 00-2147		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	153.17	9.02
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	170.12	10.37
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	183.91	12.86
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	233.59	15.01
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	282.01	20.87
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	332.63	23.58
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	389.35	27.07
26 05 36 00-2155		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	52.58	7.22
		For 60 Degree Bend, Deduct	*-14.57*	
		For 30 Degree Bend, Deduct	*-24.69*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	62.59	8.46
		For 60 Degree Bend, Deduct	*-17.41*	
		For 30 Degree Bend, Deduct	*-29.49*	
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	70.00	10.04
		For 60 Degree Bend, Deduct	*-19.27*	
		For 30 Degree Bend, Deduct	*-32.67*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	84.74	12.30
		For 60 Degree Bend, Deduct	*-23.25*	
		For 30 Degree Bend, Deduct	*-39.44*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	98.94	14.21
		For 60 Degree Bend, Deduct	*-27.18*	
		For 30 Degree Bend, Deduct	*-46.09*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	115.85	16.36
		For 60 Degree Bend, Deduct	*-31.94*	
		For 30 Degree Bend, Deduct	*-54.15*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	129.50	18.05
		For 60 Degree Bend, Deduct	*-35.81*	
		For 30 Degree Bend, Deduct	*-60.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2163		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	72.71	8.01
		For 60 Degree Bend, Deduct	*-20.93*	
		For 30 Degree Bend, Deduct	*-35.33*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	82.25	9.36
		For 60 Degree Bend, Deduct	*-23.56*	
		For 30 Degree Bend, Deduct	*-39.79*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	94.00	11.28
		For 60 Degree Bend, Deduct	*-26.69*	
		For 30 Degree Bend, Deduct	*-45.11*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	108.66	13.53
		For 60 Degree Bend, Deduct	*-30.66*	
		For 30 Degree Bend, Deduct	*-51.86*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	125.24	15.46
		For 60 Degree Bend, Deduct	*-35.39*	
		For 30 Degree Bend, Deduct	*-59.84*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	156.23	18.05
		For 60 Degree Bend, Deduct	*-44.62*	
		For 30 Degree Bend, Deduct	*-75.37*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	172.94	20.87
		For 60 Degree Bend, Deduct	*-49.08*	
		For 30 Degree Bend, Deduct	*-82.96*	
26 05 36 00-2171		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2122)*		
26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	101.07	9.02
		For 60 Degree Bend, Deduct	*-29.90*	
		For 30 Degree Bend, Deduct	*-50.34*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	114.35	10.37
		For 60 Degree Bend, Deduct	*-33.74*	
		For 30 Degree Bend, Deduct	*-56.81*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	128.09	12.86
		For 60 Degree Bend, Deduct	*-37.35*	
		For 30 Degree Bend, Deduct	*-62.96*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	146.27	14.32
		For 60 Degree Bend, Deduct	*-42.79*	
		For 30 Degree Bend, Deduct	*-72.11*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	178.25	17.48
		For 60 Degree Bend, Deduct	*-52.12*	
		For 30 Degree Bend, Deduct	*-87.84*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	197.19	20.87
		For 60 Degree Bend, Deduct	*-57.08*	
		For 30 Degree Bend, Deduct	*-96.30*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	234.02	22.56
		For 60 Degree Bend, Deduct	*-68.57*	
		For 30 Degree Bend, Deduct	*-115.54*	
26 05 36 00-2179		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.57	7.22
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	62.59	8.46
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	68.79	10.04
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	79.92	12.30
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	87.15	15.91
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	96.85	18.16
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	122.13	21.66
26 05 36 00-2187		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	71.49	8.01
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	79.82	9.36
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	85.52	11.28
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	111.06	13.53
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	128.51	17.48
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	147.45	20.87
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	169.57	24.59
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	82.86	9.02
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	103.44	10.37
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	118.44	12.86
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	146.27	14.32
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	169.13	19.97
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	201.70	23.58
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	236.60	27.07
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	105.70	11.73
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	111.06	13.53
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	125.86	15.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	151.38	18.05
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	187.49	20.87
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	229.47	30.00
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	275.81	35.99
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	156.29	12.30
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	179.00	14.32
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	188.20	16.92
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	238.35	19.41
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	352.71	22.56
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	415.28	33.84
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	464.58	41.62
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	266.32	12.86
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	274.78	15.01
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	306.52	18.05
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	359.70	20.87
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	467.79	24.59
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	527.72	38.80
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	607.92	49.07
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	155.02	15.91
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	163.98	16.92
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	181.69	18.05
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	214.16	20.87
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	268.22	30.00
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	309.70	35.99
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	355.37	38.69
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	273.13	16.92
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	296.83	18.05
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	318.37	19.41
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	379.38	22.56
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	473.44	33.84
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	539.66	41.62
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	603.61	45.01
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	439.87	18.05
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	456.58	19.41
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	480.93	20.87
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	555.08	24.59
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	719.22	38.69
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	785.29	49.30
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	841.87	54.15
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	68.66	8.46
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	73.68	10.04
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	73.68	10.04
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	81.13	12.30
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	81.13	12.30
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	100.15	13.53
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	107.42	13.53
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	103.39	15.46
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	110.66	15.46
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	115.51	15.46
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	120.28	16.92
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	122.70	16.92
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	125.12	16.92
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	126.34	16.92
26 05 36 00-2266		**Aluminum Covers** *(26 05 36 00-2121)*		
26 05 36 00-2267		**Ventilated Straight Sections** *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	12.14	2.03
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	14.51	2.37
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	17.06	2.71
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	22.71	3.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	29.12	4.85
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	32.98	5.97
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	137.43	67.79
26 05 36 00-2275		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	68.96	7.22
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	73.46	8.46
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	80.96	10.04
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	105.51	12.86
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	133.67	16.36
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	157.54	18.16
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	191.95	21.66
26 05 36 00-2283		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	91.21	8.01
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	112.03	9.36
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	125.19	11.28
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	149.94	14.32
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	185.93	18.05
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	225.12	20.76
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	276.02	24.59
26 05 36 00-2291		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	148.53	9.02
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	163.29	10.37
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	187.17	12.86
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	222.93	15.01
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	274.60	20.87
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	316.25	23.58
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	369.05	27.07
26 05 36 00-2299		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	54.14	7.22
		For 60 Degree Bend, Deduct	*-15.09*	
		For 30 Degree Bend, Deduct	*-25.55*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	57.38	8.46
		For 60 Degree Bend, Deduct	*-15.69*	
		For 30 Degree Bend, Deduct	*-26.62*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	65.14	10.04
		For 60 Degree Bend, Deduct	*-17.66*	
		For 30 Degree Bend, Deduct	*-30.00*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	76.14	12.30
		For 60 Degree Bend, Deduct	*-20.41*	
		For 30 Degree Bend, Deduct	*-34.71*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	85.61	14.21
		For 60 Degree Bend, Deduct	*-22.78*	
		For 30 Degree Bend, Deduct	*-38.76*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	105.26	16.36
		For 60 Degree Bend, Deduct	*-28.45*	
		For 30 Degree Bend, Deduct	*-48.32*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	124.07	18.05
		For 60 Degree Bend, Deduct	*-34.02*	
		For 30 Degree Bend, Deduct	*-57.71*	
26 05 36 00-2307		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	62.16	8.01
		For 60 Degree Bend, Deduct	*-17.45*	
		For 30 Degree Bend, Deduct	*-29.53*	
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	77.40	9.36
		For 60 Degree Bend, Deduct	*-21.96*	
		For 30 Degree Bend, Deduct	*-37.12*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	83.14	11.28
		For 60 Degree Bend, Deduct	*-23.10*	
		For 30 Degree Bend, Deduct	*-39.13*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	100.50	13.53
		For 60 Degree Bend, Deduct	*-27.97*	
		For 30 Degree Bend, Deduct	*-47.37*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	122.29	15.46
		For 60 Degree Bend, Deduct	*-34.41*	
		For 30 Degree Bend, Deduct	*-58.22*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	141.45	18.05
		For 60 Degree Bend, Deduct	*-39.74*	
		For 30 Degree Bend, Deduct	*-67.25*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	163.35	20.87
		For 60 Degree Bend, Deduct	*-45.92*	
		For 30 Degree Bend, Deduct	*-77.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	99.09	9.02
		For 60 Degree Bend, Deduct	*-29.25*	
		For 30 Degree Bend, Deduct	*-49.25*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	108.88	10.37
		For 60 Degree Bend, Deduct	*-31.94*	
		For 30 Degree Bend, Deduct	*-53.80*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	117.87	12.86
		For 60 Degree Bend, Deduct	*-33.97*	
		For 30 Degree Bend, Deduct	*-57.34*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	140.07	14.32
		For 60 Degree Bend, Deduct	*-40.74*	
		For 30 Degree Bend, Deduct	*-68.70*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	170.12	17.48
		For 60 Degree Bend, Deduct	*-49.44*	
		For 30 Degree Bend, Deduct	*-83.37*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	195.50	20.87
		For 60 Degree Bend, Deduct	*-56.52*	
		For 30 Degree Bend, Deduct	*-95.37*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	220.65	22.56
		For 60 Degree Bend, Deduct	*-64.16*	
		For 30 Degree Bend, Deduct	*-108.19*	
26 05 36 00-2323		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	60.53	7.22
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	62.95	8.46
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	69.83	10.04
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	82.35	12.30
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	90.83	15.91
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	95.71	18.16
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	115.20	21.66
26 05 36 00-2331		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	68.95	8.01
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	76.16	9.36
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	84.38	11.28
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	101.70	13.53
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	115.66	17.48
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	146.00	20.87
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	162.25	24.59
26 05 36 00-2339		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	79.27	9.02
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	96.51	10.37
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	112.97	12.86
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	135.13	14.32
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	164.43	19.97
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	204.96	23.58
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	223.12	27.07
26 05 36 00-2347		**12" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	98.77	11.73
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	106.65	13.53
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	120.43	15.91
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	141.45	18.05
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	175.72	20.87
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	215.76	30.00
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	260.35	35.99
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	149.12	12.30
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	167.27	14.32
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	188.93	16.92
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	220.23	19.41
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	336.77	22.56
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	387.85	33.84
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	437.88	41.62
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	256.39	12.86
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	264.94	15.01
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	294.75	18.05
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	334.06	20.87
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	421.94	24.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	492.49	38.80
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	564.06	49.07
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	147.70	15.91
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	156.81	16.92
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	173.60	18.05
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	207.87	20.87
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	250.33	30.00
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	297.39	35.99
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	338.94	38.69
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	265.67	16.92
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	284.86	18.05
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	306.79	19.41
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	356.56	22.56
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	437.28	33.84
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	514.46	41.62
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	557.32	45.01
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	410.99	18.05
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	430.46	19.41
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	462.67	20.87
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	510.98	24.59
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	645.78	38.69
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	749.93	49.30
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	819.85	54.15
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	74.70	8.46
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	79.76	10.04
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	79.77	10.04
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	89.76	12.30
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	89.75	12.30
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	99.23	13.53
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	109.08	13.53
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	114.84	15.46
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	118.53	15.46
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	121.05	15.46
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	127.07	16.92
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	129.54	16.92
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	130.78	16.92
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	132.02	16.92
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	11.18	2.71
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	13.21	2.94
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	16.43	3.39
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	65.00	19.41
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	74.49	20.08
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	78.38	20.87
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	90.65	21.66
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	85.80	21.66
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	93.33	22.56
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	109.56	23.58
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	136.83	24.59
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	107.74	24.59
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	120.56	25.83
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	136.04	27.07
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	173.57	28.54
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	75.09	20.08
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	83.23	20.87
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	90.65	21.66
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	104.24	22.56
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	104.24	22.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	122.90	23.58
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	135.62	24.59
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	169.05	25.83
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	116.84	23.58
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	129.56	24.59
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	154.50	25.83
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	196.66	27.07
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	83.02	22.56
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	90.17	23.58
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	99.25	24.59
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	115.71	25.83
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	105.93	23.58
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	124.71	24.59
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	138.74	25.83
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	171.20	27.07
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	118.65	24.59
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	138.74	25.83
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	171.20	27.07
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	209.94	28.54
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	73.96	16.36
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	82.25	18.05
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	100.07	20.08
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	11.09	2.60
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	13.15	2.82
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	16.31	3.16
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	58.23	18.72
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	64.22	19.41
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	70.78	20.08
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	82.07	20.87
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	79.71	20.87
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	88.17	21.66
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	102.64	22.56
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	128.00	23.58
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	107.88	23.58
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	129.81	24.59
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	157.75	25.83
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	195.40	27.07
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	70.49	19.41
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	77.76	20.08
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	85.62	20.87
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	96.45	21.66
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	95.27	21.66
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	110.93	22.56
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	125.63	23.58
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	159.39	24.59
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	129.86	22.56
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	157.58	23.58
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	185.43	24.59
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	225.20	25.83
26 05 36 00-2489		**6" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	77.99	21.66
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	87.26	22.56
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	91.32	23.58
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	102.59	24.59
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	99.09	22.56
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	123.27	23.58
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	133.36	24.59
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	168.40	25.83
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	132.73	23.58
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	166.49	24.59
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	190.89	25.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	222.62	27.07
26 05 36 00-2502		**Horizontal Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	68.90	15.46
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	75.53	16.92
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	93.85	18.72
26 05 36 00-2506		**Cable Tray Wall Brackets** *(26 05 36 00-0001)*		
26 05 36 00-2507		**Wall Brackets** *(26 05 36 00-2506)*		
26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	90.38	22.56
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	93.57	23.58
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	102.93	24.59
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	109.37	25.83
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	119.06	27.07
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	142.55	28.54
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	171.48	30.45
26 05 36 00-2515		**Fiberglass Cable Tray** *(26 05 36 00-0001)*		
26 05 36 00-2516		**Ladder Bottom Fiberglass Cable Tray** *(26 05 36 00-2515)*		
		Note: Excludes hangers and support system.		
26 05 36 00-2517		**Straight Tray Sections** *(26 05 36 00-2516)*		
26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.92	3.05
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.41*	
		For 4" Rung Spacing, Add	*2.59*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.50*	
		For Vented Trough Bottom, Add	*4.33*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.36	3.72
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.46*	
		For 4" Rung Spacing, Add	*2.67*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For Solid Bottom, Add	*3.76*	
		For Vented Trough Bottom, Add	*4.59*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	16.76	4.51
		For 9" Rung Spacing, Add	*0.35*	
		For 6" Rung Spacing, Add	*1.50*	
		For 4" Rung Spacing, Add	*2.75*	
		For 18" Rung Spacing, Deduct	*-0.25*	
		For Solid Bottom, Add	*4.01*	
		For Vented Trough Bottom, Add	*4.84*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	19.76	5.97
		For 9" Rung Spacing, Add	*0.38*	
		For 6" Rung Spacing, Add	*1.61*	
		For 4" Rung Spacing, Add	*2.95*	
		For 18" Rung Spacing, Deduct	*-0.27*	
		For Solid Bottom, Add	*4.58*	
		For Vented Trough Bottom, Add	*5.42*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	22.75	7.56
		For 9" Rung Spacing, Add	*0.40*	
		For 6" Rung Spacing, Add	*1.72*	
		For 4" Rung Spacing, Add	*3.15*	
		For 18" Rung Spacing, Deduct	*-0.29*	
		For Solid Bottom, Add	*5.13*	
		For Vented Trough Bottom, Add	*6.00*	
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	24.85	8.23
		For 9" Rung Spacing, Add	*0.44*	
		For 6" Rung Spacing, Add	*1.87*	
		For 4" Rung Spacing, Add	*3.42*	
		For 18" Rung Spacing, Deduct	*-0.31*	
		For Solid Bottom, Add	*5.59*	
		For Vented Trough Bottom, Add	*6.53*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	26.99	9.02
		For 9" Rung Spacing, Add	*0.47*	
		For 6" Rung Spacing, Add	*2.02*	
		For 4" Rung Spacing, Add	*3.70*	
		For 18" Rung Spacing, Deduct	*-0.34*	
		For Solid Bottom, Add	*6.07*	
		For Vented Trough Bottom, Add	*7.08*	
26 05 36 00-2525		**90 Degree Horizontal Elbows** *(26 05 36 00-2516)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	71.92	22.56
		For 9" Rung Spacing, Add	*1.33*	
		For 6" Rung Spacing, Add	*5.71*	
		For 4" Rung Spacing, Add	*10.47*	
		For 18" Rung Spacing, Deduct	*-0.95*	
		For Solid Bottom, Add	*16.50*	
		For Vented Trough Bottom, Add	*19.46*	
		For 60 Degree Bend, Deduct	*-15.95*	
		For 45 Degree Bend, Deduct	*-21.83*	
		For 30 Degree Bend, Deduct	*-27.71*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	79.74	26.28
		For 9" Rung Spacing, Add	*1.41*	
		For 6" Rung Spacing, Add	*6.04*	
		For 4" Rung Spacing, Add	*11.07*	
		For 18" Rung Spacing, Deduct	*-1.01*	
		For Solid Bottom, Add	*18.00*	
		For Vented Trough Bottom, Add	*21.04*	
		For 60 Degree Bend, Deduct	*-17.23*	
		For 45 Degree Bend, Deduct	*-23.64*	
		For 30 Degree Bend, Deduct	*-30.04*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	92.07	33.05
		For 9" Rung Spacing, Add	*1.49*	
		For 6" Rung Spacing, Add	*6.37*	
		For 4" Rung Spacing, Add	*11.67*	
		For 18" Rung Spacing, Deduct	*-1.06*	
		For Solid Bottom, Add	*20.18*	
		For Vented Trough Bottom, Add	*23.18*	
		For 60 Degree Bend, Deduct	*-18.97*	
		For 45 Degree Bend, Deduct	*-26.12*	
		For 30 Degree Bend, Deduct	*-33.27*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	108.53	39.93
		For 9" Rung Spacing, Add	*1.71*	
		For 6" Rung Spacing, Add	*7.31*	
		For 4" Rung Spacing, Add	*13.41*	
		For 18" Rung Spacing, Deduct	*-1.22*	
		For Solid Bottom, Add	*23.59*	
		For Vented Trough Bottom, Add	*26.97*	
		For 60 Degree Bend, Deduct	*-22.07*	
		For 45 Degree Bend, Deduct	*-30.42*	
		For 30 Degree Bend, Deduct	*-38.77*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	122.40	45.91
		For 9" Rung Spacing, Add	*1.88*	
		For 6" Rung Spacing, Add	*8.04*	
		For 4" Rung Spacing, Add	*14.74*	
		For 18" Rung Spacing, Deduct	*-1.34*	
		For Solid Bottom, Add	*26.40*	
		For Vented Trough Bottom, Add	*30.04*	
		For 60 Degree Bend, Deduct	*-24.57*	
		For 45 Degree Bend, Deduct	*-33.90*	
		For 30 Degree Bend, Deduct	*-43.24*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	134.92	48.96
		For 9" Rung Spacing, Add	*2.16*	
		For 6" Rung Spacing, Add	*9.24*	
		For 4" Rung Spacing, Add	*16.94*	
		For 18" Rung Spacing, Deduct	*-1.54*	
		For Solid Bottom, Add	*29.48*	
		For Vented Trough Bottom, Add	*33.81*	
		For 60 Degree Bend, Deduct	*-27.66*	
		For 45 Degree Bend, Deduct	*-38.10*	
		For 30 Degree Bend, Deduct	*-48.54*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	149.71	52.68
		For 9" Rung Spacing, Add	*2.48*	
		For 6" Rung Spacing, Add	*10.61*	
		For 4" Rung Spacing, Add	*19.46*	
		For 18" Rung Spacing, Deduct	*-1.77*	
		For Solid Bottom, Add	*33.07*	
		For Vented Trough Bottom, Add	*38.17*	
		For 60 Degree Bend, Deduct	*-31.24*	
		For 45 Degree Bend, Deduct	*-42.97*	
		For 30 Degree Bend, Deduct	*-54.70*	

26 05 36 00-2533 Inside Or Outside Vertical Risers *(26 05 36 00-2516)*

26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	111.69	22.56
		For 9" Rung Spacing, Add	*2.72*	
		For 6" Rung Spacing, Add	*11.68*	
		For 4" Rung Spacing, Add	*21.41*	
		For 18" Rung Spacing, Deduct	*-1.95*	
		For Solid Bottom, Add	*28.43*	
		For Vented Trough Bottom, Add	*35.37*	
		For 60 Degree Bend, Deduct	*-29.07*	
		For 45 Degree Bend, Deduct	*-39.33*	
		For 30 Degree Bend, Deduct	*-49.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	118.43	26.28
		For 9" Rung Spacing, Add	*2.76*	
		For 6" Rung Spacing, Add	*11.84*	
		For 4" Rung Spacing, Add	*21.71*	
		For 18" Rung Spacing, Deduct	*-1.97*	
		For Solid Bottom, Add	*29.61*	
		For Vented Trough Bottom, Add	*36.52*	
		For 60 Degree Bend, Deduct	*-30.00*	
		For 45 Degree Bend, Deduct	*-40.66*	
		For 30 Degree Bend, Deduct	*-51.32*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	129.67	33.05
		For 9" Rung Spacing, Add	*2.80*	
		For 6" Rung Spacing, Add	*12.00*	
		For 4" Rung Spacing, Add	*22.01*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For Solid Bottom, Add	*31.46*	
		For Vented Trough Bottom, Add	*38.22*	
		For 60 Degree Bend, Deduct	*-31.37*	
		For 45 Degree Bend, Deduct	*-42.66*	
		For 30 Degree Bend, Deduct	*-53.94*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	142.24	39.93
		For 9" Rung Spacing, Add	*2.89*	
		For 6" Rung Spacing, Add	*12.37*	
		For 4" Rung Spacing, Add	*22.68*	
		For 18" Rung Spacing, Deduct	*-2.06*	
		For Solid Bottom, Add	*33.71*	
		For Vented Trough Bottom, Add	*40.46*	
		For 60 Degree Bend, Deduct	*-33.19*	
		For 45 Degree Bend, Deduct	*-45.25*	
		For 30 Degree Bend, Deduct	*-57.31*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	153.44	45.91
		For 9" Rung Spacing, Add	*2.96*	
		For 6" Rung Spacing, Add	*12.70*	
		For 4" Rung Spacing, Add	*23.28*	
		For 18" Rung Spacing, Deduct	*-2.12*	
		For Solid Bottom, Add	*35.71*	
		For Vented Trough Bottom, Add	*42.46*	
		For 60 Degree Bend, Deduct	*-34.81*	
		For 45 Degree Bend, Deduct	*-47.56*	
		For 30 Degree Bend, Deduct	*-60.31*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	160.14	48.96
		For 9" Rung Spacing, Add	*3.04*	
		For 6" Rung Spacing, Add	*13.02*	
		For 4" Rung Spacing, Add	*23.88*	
		For 18" Rung Spacing, Deduct	*-2.17*	
		For Solid Bottom, Add	*37.04*	
		For Vented Trough Bottom, Add	*43.89*	
		For 60 Degree Bend, Deduct	*-35.98*	
		For 45 Degree Bend, Deduct	*-49.20*	
		For 30 Degree Bend, Deduct	*-62.42*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	174.88	52.68
		For 9" Rung Spacing, Add	*3.36*	
		For 6" Rung Spacing, Add	*14.39*	
		For 4" Rung Spacing, Add	*26.38*	
		For 18" Rung Spacing, Deduct	*-2.40*	
		For Solid Bottom, Add	*40.62*	
		For Vented Trough Bottom, Add	*48.24*	
		For 60 Degree Bend, Deduct	*-39.55*	
		For 45 Degree Bend, Deduct	*-54.05*	
		For 30 Degree Bend, Deduct	*-68.55*	

26 05 36 00-2541 Horizontal Tees *(26 05 36 00-2516)*

26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	151.78	56.40
		For 9" Rung Spacing, Add	*2.35*	
		For 6" Rung Spacing, Add	*10.08*	
		For 4" Rung Spacing, Add	*18.47*	
		For 18" Rung Spacing, Deduct	*-1.68*	
		For Solid Bottom, Add	*32.84*	
		For Vented Trough Bottom, Add	*37.45*	
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	169.11	66.22
		For 9" Rung Spacing, Add	*2.44*	
		For 6" Rung Spacing, Add	*10.48*	
		For 4" Rung Spacing, Add	*19.21*	
		For 18" Rung Spacing, Deduct	*-1.75*	
		For Solid Bottom, Add	*35.84*	
		For Vented Trough Bottom, Add	*40.34*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	190.96	78.96
		For 9" Rung Spacing, Add	*2.54*	
		For 6" Rung Spacing, Add	*10.88*	
		For 4" Rung Spacing, Add	*19.94*	
		For 18" Rung Spacing, Deduct	*-1.81*	
		For Solid Bottom, Add	*39.52*	
		For Vented Trough Bottom, Add	*43.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	212.89	88.77
		For 9" Rung Spacing, Add	*2.79*	
		For 6" Rung Spacing, Add	*11.97*	
		For 4" Rung Spacing, Add	*21.94*	
		For 18" Rung Spacing, Deduct	*-1.99*	
		For Solid Bottom, Add	*43.90*	
		For Vented Trough Bottom, Add	*48.55*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	224.36	92.50
		For 9" Rung Spacing, Add	*3.00*	
		For 6" Rung Spacing, Add	*12.84*	
		For 4" Rung Spacing, Add	*23.54*	
		For 18" Rung Spacing, Deduct	*-2.14*	
		For Solid Bottom, Add	*46.50*	
		For Vented Trough Bottom, Add	*51.59*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	241.23	97.80
		For 9" Rung Spacing, Add	*3.31*	
		For 6" Rung Spacing, Add	*14.19*	
		For 4" Rung Spacing, Add	*26.01*	
		For 18" Rung Spacing, Deduct	*-2.36*	
		For Solid Bottom, Add	*50.37*	
		For Vented Trough Bottom, Add	*56.17*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	262.42	105.36
		For 9" Rung Spacing, Add	*3.66*	
		For 6" Rung Spacing, Add	*15.67*	
		For 4" Rung Spacing, Add	*28.73*	
		For 18" Rung Spacing, Deduct	*-2.61*	
		For Solid Bottom, Add	*55.04*	
		For Vented Trough Bottom, Add	*61.54*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	232.74	97.80
		For 9" Rung Spacing, Add	*3.01*	
		For 6" Rung Spacing, Add	*12.92*	
		For 4" Rung Spacing, Add	*23.68*	
		For 18" Rung Spacing, Deduct	*-2.15*	
		For Solid Bottom, Add	*47.83*	
		For Vented Trough Bottom, Add	*52.77*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	246.57	105.36
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.30*	
		For 4" Rung Spacing, Add	*24.38*	
		For 18" Rung Spacing, Deduct	*-2.22*	
		For Solid Bottom, Add	*50.28*	
		For Vented Trough Bottom, Add	*55.20*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	260.40	112.91
		For 9" Rung Spacing, Add	*3.19*	
		For 6" Rung Spacing, Add	*13.68*	
		For 4" Rung Spacing, Add	*25.08*	
		For 18" Rung Spacing, Deduct	*-2.28*	
		For Solid Bottom, Add	*52.74*	
		For Vented Trough Bottom, Add	*57.63*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	278.95	120.36
		For 9" Rung Spacing, Add	*3.45*	
		For 6" Rung Spacing, Add	*14.77*	
		For 4" Rung Spacing, Add	*27.08*	
		For 18" Rung Spacing, Deduct	*-2.46*	
		For Solid Bottom, Add	*56.61*	
		For Vented Trough Bottom, Add	*61.95*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	295.80	127.91
		For 9" Rung Spacing, Add	*3.64*	
		For 6" Rung Spacing, Add	*15.61*	
		For 4" Rung Spacing, Add	*28.61*	
		For 18" Rung Spacing, Deduct	*-2.60*	
		For Solid Bottom, Add	*59.98*	
		For Vented Trough Bottom, Add	*65.59*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	316.30	135.47
		For 9" Rung Spacing, Add	*3.96*	
		For 6" Rung Spacing, Add	*16.99*	
		For 4" Rung Spacing, Add	*31.15*	
		For 18" Rung Spacing, Deduct	*-2.83*	
		For Solid Bottom, Add	*64.43*	
		For Vented Trough Bottom, Add	*70.68*	
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	342.83	145.17
		For 9" Rung Spacing, Add	*4.38*	
		For 6" Rung Spacing, Add	*18.77*	
		For 4" Rung Spacing, Add	*34.41*	
		For 18" Rung Spacing, Deduct	*-3.13*	
		For Solid Bottom, Add	*70.19*	
		For Vented Trough Bottom, Add	*77.26*	

26 05 36 00-2557 Horizontal Wyes *(26 05 36 00-2516)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	144.99	56.40
		For 9" Rung Spacing, Add	*2.11*	
		For 6" Rung Spacing, Add	*9.06*	
		For 4" Rung Spacing, Add	*16.61*	
		For 18" Rung Spacing, Deduct	*-1.51*	
		For Solid Bottom, Add	*30.81*	
		For Vented Trough Bottom, Add	*34.73*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	153.07	60.23
		For 9" Rung Spacing, Add	*2.20*	
		For 6" Rung Spacing, Add	*9.42*	
		For 4" Rung Spacing, Add	*17.28*	
		For 18" Rung Spacing, Deduct	*-1.57*	
		For Solid Bottom, Add	*32.39*	
		For Vented Trough Bottom, Add	*36.41*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	183.68	78.96
		For 9" Rung Spacing, Add	*2.28*	
		For 6" Rung Spacing, Add	*9.79*	
		For 4" Rung Spacing, Add	*17.94*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For Solid Bottom, Add	*37.34*	
		For Vented Trough Bottom, Add	*40.90*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	204.90	88.77
		For 9" Rung Spacing, Add	*2.51*	
		For 6" Rung Spacing, Add	*10.77*	
		For 4" Rung Spacing, Add	*19.74*	
		For 18" Rung Spacing, Deduct	*-1.79*	
		For Solid Bottom, Add	*41.50*	
		For Vented Trough Bottom, Add	*45.35*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	215.63	92.50
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.53*	
		For 4" Rung Spacing, Add	*21.14*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For Solid Bottom, Add	*43.88*	
		For Vented Trough Bottom, Add	*48.10*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	231.77	97.80
		For 9" Rung Spacing, Add	*2.98*	
		For 6" Rung Spacing, Add	*12.77*	
		For 4" Rung Spacing, Add	*23.41*	
		For 18" Rung Spacing, Deduct	*-2.13*	
		For Solid Bottom, Add	*47.54*	
		For Vented Trough Bottom, Add	*52.38*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	251.98	105.36
		For 9" Rung Spacing, Add	*3.29*	
		For 6" Rung Spacing, Add	*14.11*	
		For 4" Rung Spacing, Add	*25.86*	
		For 18" Rung Spacing, Deduct	*-2.35*	
		For Solid Bottom, Add	*51.90*	
		For Vented Trough Bottom, Add	*57.36*	
26 05 36 00-2565		**Straight Reducers** *(26 05 36 00-2516)*		
26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	68.04	22.56
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.13*	
		For 4" Rung Spacing, Add	*9.41*	
		For 18" Rung Spacing, Deduct	*-0.86*	
		For Solid Bottom, Add	*15.34*	
		For Vented Trough Bottom, Add	*17.91*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	74.17	26.28
		For 9" Rung Spacing, Add	*1.21*	
		For 6" Rung Spacing, Add	*5.21*	
		For 4" Rung Spacing, Add	*9.54*	
		For 18" Rung Spacing, Deduct	*-0.87*	
		For Solid Bottom, Add	*16.33*	
		For Vented Trough Bottom, Add	*18.81*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	80.29	30.12
		For 9" Rung Spacing, Add	*1.23*	
		For 6" Rung Spacing, Add	*5.28*	
		For 4" Rung Spacing, Add	*9.67*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For Solid Bottom, Add	*17.32*	
		For Vented Trough Bottom, Add	*19.71*	
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	86.01	33.05
		For 9" Rung Spacing, Add	*1.27*	
		For 6" Rung Spacing, Add	*5.46*	
		For 4" Rung Spacing, Add	*10.00*	
		For 18" Rung Spacing, Deduct	*-0.91*	
		For Solid Bottom, Add	*18.36*	
		For Vented Trough Bottom, Add	*20.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	96.58	36.10
		For 9" Rung Spacing, Add	*1.49*	
		For 6" Rung Spacing, Add	*6.37*	
		For 4" Rung Spacing, Add	*11.67*	
		For 18" Rung Spacing, Deduct	*-1.06*	
		For Solid Bottom, Add	*20.85*	
		For Vented Trough Bottom, Add	*23.74*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	109.08	39.93
		For 9" Rung Spacing, Add	*1.73*	
		For 6" Rung Spacing, Add	*7.40*	
		For 4" Rung Spacing, Add	*13.56*	
		For 18" Rung Spacing, Deduct	*-1.23*	
		For Solid Bottom, Add	*23.76*	
		For Vented Trough Bottom, Add	*27.19*	
26 05 36 00-2572		Vertical Tees *(26 05 36 00-2516)*		
26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	212.90	56.40
		For 9" Rung Spacing, Add	*4.49*	
		For 6" Rung Spacing, Add	*19.25*	
		For 4" Rung Spacing, Add	*35.28*	
		For 18" Rung Spacing, Deduct	*-3.21*	
		For Solid Bottom, Add	*51.18*	
		For Vented Trough Bottom, Add	*61.90*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	220.12	60.23
		For 9" Rung Spacing, Add	*4.55*	
		For 6" Rung Spacing, Add	*19.48*	
		For 4" Rung Spacing, Add	*35.72*	
		For 18" Rung Spacing, Deduct	*-3.25*	
		For Solid Bottom, Add	*52.50*	
		For Vented Trough Bottom, Add	*63.23*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	249.89	78.96
		For 9" Rung Spacing, Add	*4.60*	
		For 6" Rung Spacing, Add	*19.72*	
		For 4" Rung Spacing, Add	*36.15*	
		For 18" Rung Spacing, Deduct	*-3.29*	
		For Solid Bottom, Add	*57.20*	
		For Vented Trough Bottom, Add	*67.39*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	268.20	88.77
		For 9" Rung Spacing, Add	*4.73*	
		For 6" Rung Spacing, Add	*20.26*	
		For 4" Rung Spacing, Add	*37.15*	
		For 18" Rung Spacing, Deduct	*-3.38*	
		For Solid Bottom, Add	*60.49*	
		For Vented Trough Bottom, Add	*70.67*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	277.23	92.50
		For 9" Rung Spacing, Add	*4.85*	
		For 6" Rung Spacing, Add	*20.77*	
		For 4" Rung Spacing, Add	*38.08*	
		For 18" Rung Spacing, Deduct	*-3.46*	
		For Solid Bottom, Add	*62.36*	
		For Vented Trough Bottom, Add	*72.74*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	288.28	97.80
		For 9" Rung Spacing, Add	*4.96*	
		For 6" Rung Spacing, Add	*21.25*	
		For 4" Rung Spacing, Add	*38.95*	
		For 18" Rung Spacing, Deduct	*-3.54*	
		For Solid Bottom, Add	*64.49*	
		For Vented Trough Bottom, Add	*74.99*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	314.41	105.36
		For 9" Rung Spacing, Add	*5.48*	
		For 6" Rung Spacing, Add	*23.47*	
		For 4" Rung Spacing, Add	*43.03*	
		For 18" Rung Spacing, Deduct	*-3.91*	
		For Solid Bottom, Add	*70.63*	
		For Vented Trough Bottom, Add	*82.33*	
26 05 36 00-2580		Flextray™ Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-2581		Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*		
		Note: Includes splicing and splice bars.		
26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	18.95	7.11
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	23.04	7.58
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.19	7.92
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.42	8.32
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.13	8.73
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.01	9.14
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.78	9.54
26 05 36 00-2589	LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.87	9.81
26 05 36 00-2590	LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.56	10.08
26 05 36 00-2591	LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.28	8.35
26 05 36 00-2592	LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.23	8.68
26 05 36 00-2593	LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.30	9.14
26 05 36 00-2594	LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.97	9.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2595	LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.80	10.04
26 05 36 00-2596	LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.14	10.49
26 05 36 00-2597	LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.97	10.83
26 05 36 00-2598	LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.34	11.06
26 05 36 00-2599	LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	46.24	11.85
26 05 36 00-2600	LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.32	10.04
26 05 36 00-2601	LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	35.11	10.49
26 05 36 00-2602	LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	36.73	10.95
26 05 36 00-2603	LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.39	11.51
26 05 36 00-2604	LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.64	11.73
26 05 36 00-2605	LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	48.45	12.07

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607	EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	14.24	5.30
26 05 36 00-2608	EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	17.28	5.64
26 05 36 00-2609	EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	24.19	7.90
26 05 36 00-2610	EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	38.20	12.52
26 05 36 00-2611	EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	54.26	17.48
26 05 36 00-2612	EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	72.56	22.89
26 05 36 00-2613	EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	84.48	28.65
26 05 36 00-2614	EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	100.83	34.40
26 05 36 00-2615	EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	126.24	40.39
26 05 36 00-2616	EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	18.16	6.20
26 05 36 00-2617	EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	26.27	8.68
26 05 36 00-2618	EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	42.42	13.76
26 05 36 00-2619	EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	59.97	19.18
26 05 36 00-2620	EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	79.46	25.15
26 05 36 00-2621	EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	96.60	31.47
26 05 36 00-2622	EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	116.87	37.79
26 05 36 00-2623	EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	149.42	44.34
26 05 36 00-2624	EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	231.26	59.22
26 05 36 00-2625	EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	46.93	15.01
26 05 36 00-2626	EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	70.25	20.98
26 05 36 00-2627	EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	91.84	27.42
26 05 36 00-2628	EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	111.11	34.40
26 05 36 00-2629	EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	131.72	41.17
26 05 36 00-2630	EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	193.77	48.39

26 05 36 00-2631 Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*

26 05 36 00-2632	EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	36.37	14.89
26 05 36 00-2633	EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	38.28	14.89
26 05 36 00-2634	EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	41.53	14.89
26 05 36 00-2635	EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	49.71	16.24
26 05 36 00-2636	EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	52.55	16.24
26 05 36 00-2637	EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	53.50	16.24
26 05 36 00-2638	EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	54.34	16.24

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

26 05 39 00-0001 Underfloor Ducts *(26 05 39)*

26 05 39 00-0002 Straight Duct Sections 10' Long, 14 Gauge Steel *(26 05 39 00-0001)*

26 05 39 00-0003 Standard Ducts, 3.8 Square Inches *(26 05 39 00-0002)*

26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	92.05	19.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	115.55	23.24
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	151.80	25.15
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	173.67	27.87
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	231.62	39.48
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	261.74	42.30
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box. Note: Isolate each duct and form a continuous raceway through the box in both directions.	415.34	39.48
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	285.70	42.30
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	451.17	55.61
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	629.51	60.46
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level. Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	948.69	39.93
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,090.83	42.30
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	112.18	14.55
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	115.47	14.55
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	64.26	14.55
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	65.58	14.55
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	64.26	16.92
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	65.58	16.92
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	42.80	22.56
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	67.07	22.56
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	92.75	22.56
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	94.39	23.80
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	85.15	3.39
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	98.43	47.37
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	109.97	47.37
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	121.59	47.37
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	109.97	53.02
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	133.47	53.02
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	121.59	56.40
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	121.59	56.40
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	133.47	56.40
26 05 39 00-0049		**Duct Support Only** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	88.33	41.74
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	103.84	41.74
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	120.41	41.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0053		Underfloor Duct Accessories *(26 05 39 00-0001)*		
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	30.84	3.39
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	31.43	3.39
26 05 39 00-0057		Conduit Adapters *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	33.36	5.64
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	35.52	5.64
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	34.53	5.64
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	35.71	5.64
26 05 39 00-0062		Holders And Caps *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	219.46	47.37
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	409.31	47.37
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	2.89	1.13
26 05 39 00-0066		Underfloor Dust Pans *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	92.05	6.19

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0001		Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43)* Note: Rated for 200 pounds per square foot (PSF) Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		10" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	94.89	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	90.76	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	131.79	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	126.05	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	64.27	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	76.19	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	63.26	
26 05 43 00-0010		20" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	120.31	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	112.99	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	163.04	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	156.37	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	80.43	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	117.21	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	79.11	
26 05 43 00-0018		30" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	153.71	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	180.51	
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	192.32	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	184.73	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	115.44	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	156.54	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	98.75	
26 05 43 00-0026		40" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	184.19	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	177.29	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	225.39	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	216.95	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	147.77	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	200.14	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	116.74	
26 05 43 00-0034		Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)* Note: Rated for 7,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0035		10" Wide Medium Vehicle Trench *(26 05 43 00-0034)*		
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	115.19	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	109.83	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	159.95	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	152.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	75.55	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	88.01	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	76.79	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	341.06	
26 05 43 00-0044		**20" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	145.08	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	135.65	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	195.71	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	187.09	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	93.48	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	136.42	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	96.03	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	452.29	
26 05 43 00-0053		**30" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	146.19	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	175.28	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	229.50	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	219.69	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	133.45	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	183.19	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	120.18	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	564.62	
26 05 43 00-0062		**40" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	217.99	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	209.07	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	266.84	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	255.91	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	170.83	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	234.18	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	141.51	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	767.63	
26 05 43 00-0071		**Precast Concrete Trenches, One Piece H20 Road Crossing Trench** *(26 05 43)*		
		Note: H20 Rated for 32,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072		**10" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	249.01	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	236.98	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	311.09	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	295.92	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	239.10	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	227.65	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	301.18	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	286.62	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	164.74	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	222.99	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	149.02	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	206.93	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	114.96	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	370.10	
26 05 43 00-0087		**20" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	264.04	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	251.70	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	349.35	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	332.84	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	264.04	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	251.70	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	339.44	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	323.55	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	235.30	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	320.26	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	212.40	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	297.37	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	128.22	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	549.00	
26 05 43 00-0102		**30" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	311.87	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	297.75	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	385.60	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0106		LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	368.07	
26 05 43 00-0107		LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	301.96	
26 05 43 00-0108		LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	288.42	
26 05 43 00-0109		LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	375.69	
26 05 43 00-0110		LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	358.43	
26 05 43 00-0111		EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	313.88	
26 05 43 00-0112		EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	415.57	
26 05 43 00-0113		EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	283.81	
26 05 43 00-0114		EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	385.49	
26 05 43 00-0115		LF	Lid, Concrete 30" Wide Road Crossing Trench	162.28	
26 05 43 00-0116		LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	688.43	

26 05 43 00-0117 40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*

26 05 43 00-0118		LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	344.36	
26 05 43 00-0119		LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	329.19	
26 05 43 00-0120		LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	423.94	
26 05 43 00-0121		LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	404.90	
26 05 43 00-0122		LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	334.45	
26 05 43 00-0123		LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	319.89	
26 05 43 00-0124		LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	414.03	
26 05 43 00-0125		LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	395.57	
26 05 43 00-0126		EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	389.54	
26 05 43 00-0127		EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	515.42	
26 05 43 00-0128		EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	352.63	
26 05 43 00-0129		EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	478.51	
26 05 43 00-0130		LF	Lid, Concrete 40" Wide Road Crossing Trench	196.02	
26 05 43 00-0131		LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	936.10	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003		EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	992.52	305.05
			For Class 1 Pole, Add	*133.81*	
			For Class 2 Pole, Add	*76.46*	
			For Class 4 Pole, Deduct	*-38.23*	
			For Class 5 Pole, Deduct	*-114.70*	
			For Class 6 Pole, Deduct	*-152.93*	
26 05 46 00-0004		EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,196.03	338.46
			For Class 1 Pole, Add	*181.68*	
			For Class 2 Pole, Add	*103.82*	
			For Class 4 Pole, Deduct	*-51.91*	
			For Class 5 Pole, Deduct	*-155.72*	
			For Class 6 Pole, Deduct	*-207.63*	
26 05 46 00-0005		EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,547.86	447.62
			For Class 1 Pole, Add	*228.46*	
			For Class 2 Pole, Add	*130.55*	
			For Class 4 Pole, Deduct	*-65.27*	
			For Class 5 Pole, Deduct	*-195.82*	
			For Class 6 Pole, Deduct	*-261.09*	
26 05 46 00-0006		EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,777.26	492.34
			For Class 1 Pole, Add	*277.41*	
			For Class 2 Pole, Add	*158.52*	
			For Class 4 Pole, Deduct	*-79.26*	
			For Class 5 Pole, Deduct	*-237.78*	
			For Class 6 Pole, Deduct	*-317.04*	
26 05 46 00-0007		EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	2,035.52	548.36
			For Class 1 Pole, Add	*328.54*	
			For Class 2 Pole, Add	*187.74*	
			For Class 4 Pole, Deduct	*-93.87*	
			For Class 5 Pole, Deduct	*-281.61*	
			For Class 6 Pole, Deduct	*-375.48*	
26 05 46 00-0008		EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,318.69	615.42
			For Class 1 Pole, Add	*380.76*	
			For Class 2 Pole, Add	*217.58*	
			For Class 4 Pole, Deduct	*-108.79*	
			For Class 5 Pole, Deduct	*-326.37*	
			For Class 6 Pole, Deduct	*-435.16*	
26 05 46 00-0009		EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,597.19	676.90
			For Class 1 Pole, Add	*435.16*	
			For Class 2 Pole, Add	*248.66*	
			For Class 4 Pole, Deduct	*-124.33*	
			For Class 5 Pole, Deduct	*-372.99*	
			For Class 6 Pole, Deduct	*-497.32*	
26 05 46 00-0010		EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,906.18	744.35
			For Class 1 Pole, Add	*496.08*	
			For Class 2 Pole, Add	*283.47*	
			For Class 4 Pole, Deduct	*-141.74*	
			For Class 5 Pole, Deduct	*-425.21*	
			For Class 6 Pole, Deduct	*-566.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,888.49	811.29
		For Class 1 Pole, Add	*1,143.05*	
		For Class 2 Pole, Add	*653.17*	
		For Class 4 Pole, Deduct	*-326.59*	
		For Class 5 Pole, Deduct	*-979.76*	
		For Class 6 Pole, Deduct	*-1,306.34*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,377.19	863.02
		For Class 1 Pole, Add	*1,277.89*	
		For Class 2 Pole, Add	*730.22*	
		For Class 4 Pole, Deduct	*-365.11*	
		For Class 5 Pole, Deduct	*-1,095.33*	
		For Class 6 Pole, Deduct	*-1,460.44*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	5,919.35	921.77
		For Class 1 Pole, Add	*1,426.52*	
		For Class 2 Pole, Add	*815.15*	
		For Class 4 Pole, Deduct	*-407.58*	
		For Class 5 Pole, Deduct	*-1,222.73*	
		For Class 6 Pole, Deduct	*-1,630.30*	
26 05 46 00-0014		**Removal And Relocation Of Wood Poles With Cross Arm** *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	25.99	
26 05 46 00-0016		**Crossarms** *(26 05 46)*		
		Note: Includes hardware and braces.		
26 05 46 00-0017		**Wood Single Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	227.42	90.98
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	274.43	90.98
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	287.85	116.97
26 05 46 00-0021		**Wood Double Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	584.06	253.45
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	622.36	253.45
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	647.41	253.45
26 05 46 00-0025		**Fiberglass Crossarms** *(26 05 46 00-0016)*		
		Note: Includes hardware.		
26 05 46 00-0026		**Single Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	275.50	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	344.48	54.59
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	357.48	58.49
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	427.99	70.19
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	678.40	89.68
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	802.79	109.18
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	117.98	15.60
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	589.92	77.98
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	457.92	129.97
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	137.42	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	113.83	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	342.50	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	222.32	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)*		
		Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	99.81	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	88.76	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	317.43	
26 05 46 00-0048		**Guying** *(26 05 46)*		
		Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	936.83	363.93
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	956.46	363.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	996.82	363.93
26 05 46 00-0053	EA	Guy Guard, Plastic	42.87	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,332.17	558.89
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,332.17	558.89
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,332.17	558.89
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)*		
		Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	553.92	272.95
26 05 46 00-0060		**Insulators** *(26 05 46)*		
26 05 46 00-0061		**Pin Insulator With Pin** *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	175.46	77.98
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	181.10	77.98
26 05 46 00-0064		**Suspension Insulator** *(26 05 46 00-0060)*		
		Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	223.69	103.98
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	239.02	103.98
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	337.06	129.97
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	536.35	207.96
26 05 46 00-0069		**Spool Insulator With Clevis** *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	74.47	32.49
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	239.37	116.97
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	310.28	116.97
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	147.86	64.98
26 05 46 00-0075	EA	2 Spool Secondary Rack	152.80	82.93
26 05 46 00-0076	EA	3 Spool Secondary Rack	228.73	110.47
26 05 46 00-0077	EA	4 Spool Secondary Rack	256.83	110.47
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)*		
		Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,810.81	441.91
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,604.30	441.91
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,304.46	747.35
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,573.20	747.35
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,161.09	441.91
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	13,771.32	441.91
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,304.46	747.35
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	17,573.20	747.35
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,878.96	513.39
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,054.41	513.39
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,011.93	883.81
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	18,289.50	883.81
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	3,871.81	552.39
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	4,327.86	584.88
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	4,689.38	649.87
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	5,191.13	714.85
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	7,119.71	779.84
26 05 46 00-0101		**Square Prestressed Concrete Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	5,329.17	977.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	6,042.22	1,072.53
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	7,107.01	1,198.70
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	8,012.82	1,324.88
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	5,797.25	1,608.79
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	11,306.54	1,892.69
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	13,361.51	2,145.05
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	16,114.19	2,649.77
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	18,062.76	2,902.13
26 05 46 00-0111		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0112		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,744.53	487.40
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,283.10	519.89
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,081.54	584.88
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,234.87	649.87
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	11,076.79	714.85
26 05 46 00-0118		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		Round Tapered Pole *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	5,171.41	779.84
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	6,030.87	844.82
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,422.34	909.82
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,573.63	1,039.79
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,405.64	1,169.76
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	11,071.27	1,482.61
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	12,312.26	1,681.98
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	13,600.97	1,892.69
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	15,246.24	2,145.05
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	16,297.62	2,271.23
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	17,660.69	2,523.59
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	19,432.95	2,839.04
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	21,405.48	3,217.58
26 05 46 00-0133		12 Sided Tapered *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,043.29	779.84
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,986.63	844.82
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,068.78	909.82
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,146.73	1,039.79
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,218.25	1,169.76
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,925.78	1,482.61
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,778.31	1,681.98
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	22,333.86	1,892.69
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	23,968.18	2,145.05
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	25,391.63	2,271.23
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	28,842.36	2,523.59
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	30,583.29	2,839.04
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	32,629.03	3,217.58
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	34,825.15	3,596.11
26 05 46 00-0148		Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	28.71	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	215.46	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	216.71	
26 05 46 00-0152		Arms With Baseplates And Endplates *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	830.82	129.97
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	908.23	129.97
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	1,116.63	194.96
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	1,184.33	194.96
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	1,390.73	259.95
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	1,468.09	259.95
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	1,956.12	324.93
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	2,042.97	324.93
26 05 46 00-0161		Standard Vangs Load Bearing At Any Angle *(26 05 46 00-0118)*		
26 05 46 00-0162	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	323.79	129.97
26 05 46 00-0163	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	371.21	129.97
26 05 46 00-0164	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	436.06	129.97
26 05 46 00-0165		Armless Construction Brackets *(26 05 46 00-0118)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0166		**Verticals Insulator And Equipment Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	331.52	129.97
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	361.46	129.97
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	410.11	129.97
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	571.66	194.96
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	600.07	194.96
26 05 46 00-0172		**Horizontal And Multiple Insulator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	308.20	129.97
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	371.12	129.97
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	541.19	194.96
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	689.68	194.96
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	881.77	259.95
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	960.58	259.95
26 05 46 00-0179		**Pole Top Bracket And Pins** *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	317.34	129.97
26 05 46 00-0181	EA	Pole Top Bracket - 5"	332.61	129.97
26 05 46 00-0182		**Angle Pins** *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	315.27	129.97
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	364.89	129.97
26 05 46 00-0185		**Static And Neutral Wire Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	336.86	129.97
26 05 46 00-0187	EA	Static Wire Support Bracket	342.37	129.97
26 05 46 00-0188		**Cutout, Arrestor And Terminator Brackets** *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	302.69	129.97
26 05 46 00-0190	EA	Equipment Mounting T Bracket	330.67	129.97
26 05 46 00-0191	EA	15 KV Cutout	458.70	
26 05 46 00-0192	EA	9/10 KV Arrestor	419.35	129.97
26 05 46 00-0193		**Spacer Cable, Conduit Support And Cluster Bracket** *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	376.44	129.97
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	358.84	129.97
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	969.15	129.97
26 05 46 00-0197		**15 KV, 200 Amperes, Solenoid Operated High Voltage Switch** *(26 05 46 00-0165)* Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,383.55	324.93
26 05 46 00-0199		**Octagonal Tapered** *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,331.06	779.84
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,305.81	844.82
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,424.59	909.82
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,533.93	1,104.77
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,751.95	1,169.76
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,501.34	1,482.61
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	21,448.06	1,577.25
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	23,048.09	1,892.69
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	24,724.25	2,018.87
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	26,192.19	2,271.23
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	29,755.42	2,397.41
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	31,543.45	2,839.04
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	33,636.27	3,028.31
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	35,884.72	3,406.85
26 05 46 00-0214		**Removal And Relocation Of Steel Service Poles** *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	45.48	
26 05 46 00-0216		**Special Steel Bases For Poles** *(26 05 46 00-0118)*		
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	287.15	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	320.31	64.98
26 05 46 00-0219	EA	Series 4, 40' Pole And less	382.11	74.73
26 05 46 00-0220	EA	Series 5, 50' Pole And less	437.40	81.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	13.40	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	13.96	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	15.11	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	15.33	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	15.55	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	15.89	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.05	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	19.50	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.83	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	20.18	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	20.89	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	21.64	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	22.31	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	22.98	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	25.49	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	26.72	

26 05 53 00-0018 Labeling Existing Electrical Wires *(26 05 53)*

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Existing Wire	3.52	

26 05 53 00-0020 Equipment Labeling *(26 05 53)*

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	12.68	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	11.93	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	17.16	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	12.68	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001 Tape Wrapped Compression Connectors *(26 05 83)*

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	16.12	5.07
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.77	5.64
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	19.41	6.20
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	22.66	6.77
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	24.36	7.33
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	27.12	7.90
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	29.10	8.46
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	31.76	9.02
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	35.11	10.15
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	36.78	10.72
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	41.30	11.28
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	45.19	11.85
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	50.64	12.97
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	58.97	14.66

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	19.92	14.66
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	20.10	14.66
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	22.79	15.79
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	28.67	17.48
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	40.01	22.56
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	46.51	22.56
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	53.54	22.56
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	65.64	33.84
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	76.66	33.84
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	89.62	33.84
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	107.92	45.12
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	127.93	67.68
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	146.40	67.68
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	157.23	67.68
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	171.53	78.96
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	187.66	78.96
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	203.80	90.24
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	241.15	101.52

26 05 83 00-0035 Two Hole Compression Lugs *(26 05 83)*

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	40.91	19.18
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	44.07	20.42
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	46.30	20.42
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	53.29	23.47
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	65.38	29.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	76.39	34.85
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	89.32	40.84
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	107.58	49.52
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	127.54	58.77
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	145.94	67.12
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	156.75	72.30
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	170.96	78.29
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	187.03	85.50
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	204.81	92.72
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	254.85	112.80

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors *(26 05 83)*

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	60.29	45.12
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	66.29	48.51
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	75.64	50.76
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	88.23	56.40
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	104.58	62.04
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	118.59	67.68
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	148.71	73.32
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	159.62	78.96
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	168.40	84.60
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	194.08	93.06
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	219.77	135.36
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	241.41	112.80
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	263.05	152.28
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	295.37	157.93
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	338.14	169.20

26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone *(26 05 83)*

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	104.51	45.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.69*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	115.71	45.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.86*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	159.74	67.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.60*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	180.56	67.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.38*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	216.77	84.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.27*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	304.23	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.50*	

26 05 83 00-0074 Terminal Blocks *(26 05 83)*

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	1,044.39	417.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*250.67*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	302.26	56.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.23*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	337.13	56.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.59*	

26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection *(26 05 83)*

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	40.90	20.42
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	44.07	20.42
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	46.30	20.42
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	53.29	23.47
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	65.38	29.33
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	76.39	34.85
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	89.32	40.84
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	107.58	49.52
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	127.53	58.77
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	145.94	67.12
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	156.76	72.30
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	170.96	78.29
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	187.03	85.50
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	187.60	85.50
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	40.90	20.42
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	44.07	20.42
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	46.30	20.42
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	53.29	23.47
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	65.38	29.33
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	76.39	34.85
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	89.32	40.84
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	107.58	49.52
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	127.53	58.77
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	145.94	67.12
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	156.76	72.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	170.96	78.29
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	187.03	85.50
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	187.60	85.50

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	33.26	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	39.85	17.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.22*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	46.00	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	60.62	25.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.11*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	81.67	33.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	98.04	39.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.59*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	115.18	45.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	131.59	50.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.36*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	151.68	56.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	171.49	62.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.24*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	191.24	67.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	210.85	73.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.96*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	230.77	78.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.38*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	261.23	89.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.97*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	295.96	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	69.70	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.39*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	66.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.07*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	11.49	5.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	11.61	5.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	11.73	5.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.09*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0253 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.20	28.20
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.57	28.20
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	86.61	33.84
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	104.92	42.30
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	106.18	42.30
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	106.43	42.30
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.59	42.30
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	139.30	56.40
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	143.97	56.40
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	182.64	70.50

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.57	28.20
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	86.61	33.84
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	104.92	42.30
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	106.18	42.30
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	106.43	42.30
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.59	42.30
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	139.30	56.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	143.97	56.40
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	182.64	70.50
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	188.95	70.50
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	242.00	84.60
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	251.61	84.60
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	345.48	112.80
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	433.43	141.00
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	508.26	169.20
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	608.30	197.40
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	700.30	225.60
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	867.48	282.00
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,022.42	335.58
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,215.85	391.42
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,708.43	587.01
26 05 83 00-0164		AC Three Phase, 460 Volt *(26 05 83 00-0130)*		
26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.57	28.20
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	86.61	33.84
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	104.92	42.30
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	106.18	42.30
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	106.43	42.30
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	110.59	42.30
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	139.30	56.40
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	143.97	56.40
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	182.64	70.50
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	188.95	70.50
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	242.02	84.60
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	251.59	84.60
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	345.48	112.80
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	433.77	141.23
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	508.26	169.20
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	608.30	197.40
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	700.30	225.60
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	867.48	282.00
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,022.73	335.70
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,216.28	391.64
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,709.41	587.47
26 05 83 00-0186		AC Single Phase, 120 Volt *(26 05 83 00-0130)*		
26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	75.20	28.20
26 05 83 00-0188		Motor Moisture Sensor *(26 05 83 00-0130)*		
26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	865.18	

26 08 Commissioning of Electrical Systems *(26)*

See CSI section 01 91 13 00-0001 for commissioning.

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 13 Electrical Power Monitoring *(26 09)*

26 09 13 00-0001		Vending Machine Energy Usage Controls *(26 09 13)*		
26 09 13 00-0002	EA	Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM150)	444.49	11.30
26 09 13 00-0003	EA	Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM151)	398.40	5.65
26 09 13 00-0004	EA	Weatherproof Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser VM151)	466.78	11.30
26 09 13 00-0005	EA	Weatherproof Wallmount VendingMiser® With 14' Data Cable (Energy Miser VM161)	420.69	5.65
26 09 13 00-0006	EA	Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM170)	433.19	9.04
26 09 13 00-0007	EA	Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM171)	392.75	4.52
26 09 13 00-0008	EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser VM180)	455.48	9.04
26 09 13 00-0009	EA	Weatherproof Velcro Mounted Easy-Install VendingMiser® With 14' Data Cable (Energy Miser VM181)	415.04	4.52
26 09 13 00-0010	EA	Wallmount CoolerMiser With PIR Occupany Sensor (Energy Miser CM150)	402.12	11.30
26 09 13 00-0011	EA	Wallmount CoolerMiser With 14' Data Cable (Energy Miser CM151)	356.03	5.65
26 09 13 00-0012	EA	Velcro Mounted Easy-Install CoolerMiser With PIR Occupany Sensor (Energy Miser CM170)	390.82	9.04
26 09 13 00-0013	EA	Velcro Mounted Easy-Install CoolerMiser With 14' Data Cable (Energy Miser CM171)	350.38	4.52
26 09 13 00-0014	EA	Wallmount SnackMiser With PIR Occupany Sensor (Energy Miser SM150)	402.12	11.30
26 09 13 00-0015	EA	Wallmount SnackMiser With 14' Data Cable (Energy Miser SM151)	356.03	5.65
26 09 13 00-0016	EA	Velcro Mounted Easy-Install SnackMiser With PIR Occupany Sensor (Energy Miser SM170)	390.82	9.04
26 09 13 00-0017	EA	Velcro Mounted Easy-Install SnackMiser With 14' Data Cable (Energy Miser SM171)	350.38	4.52
26 09 13 00-0018	EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With PIR Occupany Sensor (Energy Miser PM150)	402.12	11.30
26 09 13 00-0019	EA	1200 Watt, Multi Plug Load, Wallmount PlugMiser With 14' Data Cable (Energy Miser PM151)	356.03	5.65
26 09 13 00-0020	EA	1200 Watt, Multi Plug Load, Table Leg Mount PlugMiser With PIR Occupany Sensor (Energy Miser PM190)	402.12	11.30
26 09 13 00-0021	EA	Wattsup Line Logger (Energy Miser 60500)	296.58	16.95
26 09 13 00-0022	EA	Wattsup Pro Line Logger (Energy Miser 60501)	374.62	16.95
26 09 13 00-0023	EA	Test Drive Kit And Wallmount VendingMiser® With PIR Occupany Sensor (Energy Miser TD150)	723.97	22.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 13 00-0024	EA	Test Drive Kit And Velcro Mounted Easy-Install VendingMiser® With PIR Occupany Sensor (Energy Miser TD170)	712.67	20.34
26 09 13 00-0025		Work Station Energy Usage Controls *(26 09 13)*		
26 09 13 00-0026	EA	Power Strip With Personal Sensor (Wattstopper IDP-3050-A)	192.99	11.30

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001		Lighting Contactors *(26 09 23)* Note: Up to 600 volt.		
26 09 23 00-0002		Electrically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0003		NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0004		2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	566.36	90.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.14*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	707.68	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,349.50	157.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,125.96	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,555.52	282.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.20*	
26 09 23 00-0010		3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	639.90	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	774.77	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,453.99	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.29*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,291.95	236.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.13*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,884.38	310.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.12*	
26 09 23 00-0016		4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*		
26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	758.64	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	919.24	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,770.51	203.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,760.07	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.66*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	6,279.77	338.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.04*	
26 09 23 00-0022		NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0023		2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,182.14	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,461.85	157.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,741.55	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0027		3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,739.62	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,690.22	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.29*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	4,122.46	236.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.13*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	9,873.80	310.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.12*	
26 09 23 00-0032		4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*		
26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,618.32	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,671.05	203.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,678.66	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.66*	
26 09 23 00-0036		NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0037		2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	976.57	90.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.14*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,251.54	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,434.05	157.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,666.38	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,184.73	282.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.20*	
26 09 23 00-0043		3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,007.24	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,318.63	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,541.72	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.29*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,831.31	236.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.13*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	7,512.53	310.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.12*	
26 09 23 00-0049		4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*		
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,086.58	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,463.11	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,281.25	203.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,722.43	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.66*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	10,074.10	338.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.04*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,792.90	157.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,395.87	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,948.00	282.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.20*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,037.34	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.29*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	5,725.74	236.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.13*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,933.43	203.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,700.81	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.66*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	865.32	90.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.14*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	985.44	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,890.18	157.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,638.02	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,217.86	282.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.20*	
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	921.49	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,054.65	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,997.85	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.29*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,805.07	236.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.13*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,997.29	310.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.12*	
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	992.72	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,121.74	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,343.00	203.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,303.93	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.66*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	8,472.19	338.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.04*	
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,327.68	90.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.14*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,529.31	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,977.91	157.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,178.44	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,844.95	282.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.20*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,398.91	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,598.51	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,085.58	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.29*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,346.55	236.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.13*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	9,626.50	310.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.12*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,475.93	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,665.60	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,853.74	203.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*121.82*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	5,266.30	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.66*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	12,189.13	338.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.04*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	981.62	101.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,852.50	180.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	2,525.32	214.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.59*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,161.68	282.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*169.20*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,039.18	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	8,366.89	338.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*203.04*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)*		
		Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,703.24	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,667.92	198.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.12*	
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,347.28	260.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.34*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,024.61	341.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.73*	
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,151.95	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,900.63	198.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.12*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,243.38	260.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.34*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,008.45	341.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.73*	
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0130		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0131		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,868.62	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,240.41	198.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.12*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,889.55	260.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.34*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	9,565.56	341.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.73*	
26 09 23 00-0136		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,318.93	124.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*74.45*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,476.30	198.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*119.12*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,787.25	260.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.34*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	14,549.40	341.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.73*	

26 09 23 00-0142 Automatic Lighting Controls *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0143 Occupancy Sensor *(26 09 23 00-0142)*

26 09 23 00-0144	EA	Wall Switch Replacement Occupancy Sensor, Single Gang	140.27
		Note: Includes integral occupancy sensor and relay.	
		For >20 To 40, Deduct	*-4.48*
		For >40, Deduct	*-9.25*
26 09 23 00-0145	EA	Wall Switch Replacement Occupancy Sensor, Double Gang	141.64
		Note: Includes integral occupancy sensor and relay.	
		For >20 To 40, Deduct	*-4.54*
		For >40, Deduct	*-9.35*
26 09 23 00-0146	EA	Ceiling Mount Sensor Coer <500 SF, T-Bar Or Exposed Ceiling	296.55
		Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*16.92*
		For >20 To 40, Deduct	*-10.60*
		For >40, Deduct	*-20.13*
26 09 23 00-0147	EA	Ceiling Mount Sensor Coer >500 SF, T-Bar Or Exposed Ceiling	326.11
		Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*16.92*
		For >20 To 40, Deduct	*-12.08*
		For >40, Deduct	*-22.34*
26 09 23 00-0148	EA	Install Additional Switching Relay	115.42
		Note: Includes 8' of plenum rated control wire, mounting, j-box.	
		For >20 To 40, Deduct	*-3.80*
		For >40, Deduct	*-7.67*
26 09 23 00-0149	EA	On Board Occupancy Sensor For Light Fixture	180.25
		Note: Factory installed.	
		For >20 To 40, Deduct	*-9.01*
		For >40, Deduct	*-13.52*
26 09 23 00-0150	EA	Troubleshoot Existing Occupancy Sensor	56.02
		Note: Test function, set sensitivity adjustment and time delay.	
		For >40, Deduct	*-2.80*

26 09 23 00-0151 Light Level Controllers *(26 09 23 00-0142)*

26 09 23 00-0152	EA	Wall Switch Replacement Occupancy/Photo Sensor, Single Gang	140.27
		Note: Includes integral occupancy sensor, photosensor and relay.	
		For >20 To 40, Deduct	*-4.48*
		For >40, Deduct	*-9.25*
26 09 23 00-0153	EA	Wall Switch Replacement Occupancy/Photo Sensor, Double Gang	141.64
		Note: Includes integral occupancy sensor, photosensor and relay.	
		For >20 To 40, Deduct	*-4.54*
		For >40, Deduct	*-9.35*
26 09 23 00-0154	EA	Ceiling Mount Sensor, On/Off Control, T-Bar Or Exposed Ceiling	296.55
		Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*16.92*
		For >20 To 40, Deduct	*-10.60*
		For >40, Deduct	*-20.13*
26 09 23 00-0155	EA	Ceiling Mount Sensor, Dimming Control, T-Bar Or Exposed Ceiling	355.88
		Note: Includes one relay, 8' of plenum rated control wire, mounting, j-box.	
		For Installation In Finished Spline Or Sheetrock Ceiling, Add	*16.92*
		For >20 To 40, Deduct	*-13.56*
		For >40, Deduct	*-24.58*
26 09 23 00-0156	EA	On Board Photosensor For Light Fixture	53.70
		Note: Factory installed.	
		For >20 To 40, Deduct	*-2.69*
		For >40, Deduct	*-4.03*
26 09 23 00-0157	EA	On Board Dual Technology Occupancy/Photosensor For Light Fixture	217.24
		Note: Factory installed.	
		For >20 To 40, Deduct	*-10.86*
		For >40, Deduct	*-16.29*

26 09 23 00-0158 Timer Controls *(26 09 23 00-0142)*

26 09 23 00-0159	EA	In Wall Timers	286.70
		Note: Electronic; direct wall switch replacement for switchleg.	
		For >20 To 40, Deduct	*-10.11*
		For >40, Deduct	*-19.39*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0160	EA	Electronic Timeclock, 365-Day Single Channel For Lighting Note: Including indoor rated enclosure, terminations, 3-pole contactor.	754.78	
		For >20 To 40, Deduct	*-33.23*	
		For >40, Deduct	*-54.35*	
26 09 23 00-0161	EA	Electronic Timeclock, 365-Day Two Channel For Lighting Note: Including indoor rated enclosure, terminations, (2) 3-pole contactor.	914.65	
		For >20 To 40, Deduct	*-41.22*	
		For >40, Deduct	*-66.34*	
26 09 23 00-0162	EA	8 Channel Combined DI/DO Lighting Energy Management System. Note: Includes enclosure, terminations, low voltage components, contactors, overrides, programming, field wiring, network connection/modem.	4,896.31	
		For >20 To 40, Deduct	*-132.02*	
		For >40, Deduct	*-310.82*	
26 09 23 00-0163	EA	16 Channel Combined DI/DO Lighting Energy Management System. Note: Includes enclosure, terminations, low voltage components, contactors, overrides, programming, field wiring, network connection/modem.	6,100.11	
		For >20 To 40, Deduct	*-158.37*	
		For >40, Deduct	*-384.19*	
26 09 23 00-0164	EA	32 Channel Combined DI/DO Lighting Energy Management System. Note: Includes enclosure, terminations, low voltage components, contactors, overrides, programming, field wiring, network connection/modem.	7,396.60	
		For >20 To 40, Deduct	*-189.35*	
		For >40, Deduct	*-464.51*	
26 09 23 00-0165		**Exterior Photocell** *(26 09 23 00-0142)*		
26 09 23 00-0166	EA	Plug-in Exterior Photocell For Existing Fixture	81.36	
		For >20 To 40, Deduct	*-3.22*	
		For >40, Deduct	*-5.68*	
26 09 23 00-0167	EA	Mount And Wire To Control Single Fixture	152.09	
26 09 23 00-0168	EA	Mount And Wire To Control Multiple Fixtures (Entire Switchleg) Note: Includes 8' wire, conduit, exterior rated mounting box.	157.73	
26 09 23 00-0169		**Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket** *(26 09 23)*		
26 09 23 00-0170	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	135.32	29.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.63*	
26 09 23 00-0171	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	148.01	29.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.63*	
26 09 23 00-0172		**Dimming Module System (Lutron Grafik Eye)** *(26 09 23)*		
26 09 23 00-0173	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,815.33	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0174	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,355.25	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0175	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,904.80	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.68*	
26 09 23 00-0176		**Dimming Module Contol (Leviton)** *(26 09 23)*		
26 09 23 00-0177	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	235.01	14.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.48*	
26 09 23 00-0178		**Light Control Panels** *(26 09 23)*		
26 09 23 00-0179		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0178)*		
26 09 23 00-0180		**Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0179)*		
26 09 23 00-0181	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,064.04	158.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.92*	
26 09 23 00-0182	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,927.67	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0183	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,176.02	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0184	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,287.44	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0185	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,579.01	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0186	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,302.88	158.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.92*	
26 09 23 00-0187	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,471.14	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0188	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,762.43	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0189	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,403.96	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0190	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,695.51	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0191		**Accessories For Lighting Control Panels (Watt Stopper)** *(26 09 23 00-0179)*		
26 09 23 00-0192	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	194.96	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 09 23 00-0193	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	149.71	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0194	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	74.79	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0195		**Lighting Control Panels (Synergy)** *(26 09 23 00-0178)*		
26 09 23 00-0196		**Lighting Control Panels (Synergy)** *(26 09 23 00-0195)*		
26 09 23 00-0197	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,883.70	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0198		**Accessories For Lighting Control Panels (Synergy)** *(26 09 23 00-0195)*		
26 09 23 00-0199	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	711.23	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 09 23 00-0200	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	275.37	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0201	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	152.85	16.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 09 23 00-0202		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0178)*		
26 09 23 00-0203		**Lighting Switching Panels (Lutron)** *(26 09 23 00-0202)*		
26 09 23 00-0204	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,337.25	169.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.70*	
26 09 23 00-0205	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,219.81	180.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.48*	
26 09 23 00-0206	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,229.53	192.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*115.26*	
26 09 23 00-0207		**Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)** *(26 09 23 00-0178)*		
26 09 23 00-0208	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,549.87	158.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.92*	
26 09 23 00-0209	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,774.14	158.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.92*	
26 09 23 00-0210	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,998.41	158.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*94.92*	
26 09 23 00-0211		**Power Filters** *(26 09 23 00-0178)*		
26 09 23 00-0212	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	39,873.92	939.96
26 09 23 00-0213	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	23,613.74	408.67
26 09 23 00-0214		**Signal Filters** *(26 09 23 00-0178)*		
26 09 23 00-0215	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	18,173.12	854.57
26 09 23 00-0216	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	12,442.61	522.26
26 09 23 00-0217	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	6,938.77	303.21
26 09 23 00-0218	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	9,471.70	303.21
26 09 23 00-0219		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0220	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,948.02	113.00
26 09 23 00-0221	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,727.59	113.00
26 09 23 00-0222	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	4,003.91	113.00
26 09 23 00-0223	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	17,047.91	113.00
26 09 23 00-0224	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	129.68	14.13
26 09 23 00-0225	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	203.46	14.13
26 09 23 00-0226	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	252.55	28.25
26 09 23 00-0227	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	306.78	28.25
26 09 23 00-0228	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	157.93	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0229	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	231.71	28.25
26 09 23 00-0230	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	588.54	56.50
26 09 23 00-0231	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	436.97	56.50
26 09 23 00-0232	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	817.98	56.50
26 09 23 00-0233	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	265.70	56.50
26 09 23 00-0234	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	919.47	56.50
26 09 23 00-0235	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,772.31	225.99
26 09 23 00-0236	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,273.93	56.50
26 09 23 00-0237	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	268.11	14.13
26 09 23 00-0238	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	328.04	14.13
26 09 23 00-0239	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	313.58	14.13
26 09 23 00-0240	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	328.04	14.13
26 09 23 00-0241	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	313.58	14.13
26 09 23 00-0242	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	235.71	14.13
26 09 23 00-0243	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	328.04	14.13
26 09 23 00-0244	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	313.58	14.13
26 09 23 00-0245	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	229.88	14.13
26 09 23 00-0246	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	95.00	14.13
26 09 23 00-0247	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	71.66	28.25
26 09 23 00-0248	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	72.31	28.25
26 09 23 00-0249	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	77.41	28.25
26 09 23 00-0250	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	82.45	28.25
26 09 23 00-0251	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	88.47	28.25
26 09 23 00-0252	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	93.90	28.25
26 09 23 00-0253	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	100.56	28.25
26 09 23 00-0254	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	130.70	28.25
26 09 23 00-0255	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	892.49	28.25
26 09 23 00-0256	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	209.45	28.25
26 09 23 00-0257	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,154.97	28.25
26 09 23 00-0258	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	662.25	56.50
26 09 23 00-0259	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	662.25	56.50
26 09 23 00-0260	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	662.25	56.50
26 09 23 00-0261	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	335.65	56.50
26 09 23 00-0262	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	324.69	56.50
26 09 23 00-0263	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	331.99	56.50
26 09 23 00-0264	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	368.50	56.50
26 09 23 00-0265	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	331.99	56.50
26 09 23 00-0266	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	259.01	56.50
26 09 23 00-0267	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	275.69	56.50
26 09 23 00-0268	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	275.69	56.50
26 09 23 00-0269	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	136.64	56.50
26 09 23 00-0270	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	341.03	56.50
26 09 23 00-0271	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	489.82	56.50
26 09 23 00-0272	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	426.89	56.50
26 09 23 00-0273	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	456.09	56.50
26 09 23 00-0274	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	470.70	56.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0275	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	423.24	56.50
26 09 23 00-0276	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	350.26	56.50
26 09 23 00-0277	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	442.59	56.50
26 09 23 00-0278	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	438.77	56.50
26 09 23 00-0279	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	488.58	56.50
26 09 23 00-0280	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	473.26	56.50
26 09 23 00-0281	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	510.68	56.50
26 09 23 00-0282	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	473.41	56.50
26 09 23 00-0283	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	473.41	56.50
26 09 23 00-0284	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	305.21	56.50
26 09 23 00-0285	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	328.15	56.50
26 09 23 00-0286	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	588.02	56.50
26 09 23 00-0287	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	630.14	56.50
26 09 23 00-0288	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	460.21	56.50
26 09 23 00-0289	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	480.57	56.50
26 09 23 00-0290	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,393.99	113.00
26 09 23 00-0291	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,324.55	451.99
26 09 23 00-0292	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,376.89	451.99
26 09 23 00-0293	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,429.21	451.99
26 09 23 00-0294	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	697.00	56.50
26 09 23 00-0295	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	801.29	56.50
26 09 23 00-0296	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,198.71	56.50
26 09 23 00-0297	EA	Wireless Control Module (Encelium EN-WCM-ZB)	292.88	28.25
26 09 23 00-0298	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	348.50	28.25
26 09 23 00-0299	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	349.89	28.25
26 09 23 00-0300	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	363.00	28.25
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0302	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	273.66	14.13
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	571.86	56.50
26 09 23 00-0308	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	349.38	56.50
26 09 23 00-0309	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	349.38	56.50
26 09 23 00-0310	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	405.00	56.50
26 09 23 00-0311	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	405.00	56.50
26 09 23 00-0312	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0313	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0314	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0315	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0316	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0317	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	273.66	14.13
26 09 23 00-0318	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	571.86	56.50
26 09 23 00-0319	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	264.63	14.13
26 09 23 00-0320	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	264.63	14.13
26 09 23 00-0321	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	264.63	14.13
26 09 23 00-0322	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	273.66	14.13
26 09 23 00-0323	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	571.86	56.50
26 09 23 00-0324	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	349.38	56.50
26 09 23 00-0325	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	349.38	56.50
26 09 23 00-0326	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	405.00	56.50
26 09 23 00-0327	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	405.00	56.50
26 09 23 00-0328	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	264.63	14.13

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26 09 23 00-0329	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0330	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0331	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0332	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	264.63	14.13
26 09 23 00-0333	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	273.66	14.13
26 09 23 00-0334	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	571.86	56.50
26 09 23 00-0335	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	144.97	56.50
26 09 23 00-0336	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	754.82	56.50
26 09 23 00-0337		**Lighting Control Sensors** *(26 09 23)*		
26 09 23 00-0338	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	404.01	25.42
26 09 23 00-0339	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	404.01	25.42
26 09 23 00-0340	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	352.76	25.42
26 09 23 00-0341	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	104.98	16.95
26 09 23 00-0342	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	7.79	
26 09 23 00-0343	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	68.96	
26 09 23 00-0344	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	11.52	
26 09 23 00-0345		**Radio Controlled Devices (Lutron)** *(26 09 23)*		
26 09 23 00-0346		**Tabletop Transmitters For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0347		**Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0348	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	539.73	16.95
26 09 23 00-0349	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	703.40	16.95
26 09 23 00-0350	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	887.54	16.95
26 09 23 00-0351		**Dimmable Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0352	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	539.73	16.95
26 09 23 00-0353	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	642.03	16.95
26 09 23 00-0354	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	887.54	16.95
26 09 23 00-0355	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	539.73	16.95
26 09 23 00-0356	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	703.40	16.95
26 09 23 00-0357	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	887.54	16.95
26 09 23 00-0358		**Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0359	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	703.40	16.95
26 09 23 00-0360	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	887.54	16.95
26 09 23 00-0361	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	887.54	16.95
26 09 23 00-0362		**Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0363	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	539.73	16.95
26 09 23 00-0364	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	703.40	16.95
26 09 23 00-0365	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	642.03	16.95
26 09 23 00-0366	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	785.24	16.95
26 09 23 00-0367	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	703.40	16.95
26 09 23 00-0368	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	846.62	16.95
26 09 23 00-0369	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	703.40	16.95
26 09 23 00-0370		**Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0371	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	539.73	16.95
26 09 23 00-0372	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	703.40	16.95
26 09 23 00-0373	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	703.40	16.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0374	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	887.54	16.95
26 09 23 00-0375	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	703.40	16.95
26 09 23 00-0376	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	887.54	16.95
26 09 23 00-0377		**Output Switch Closure Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0378	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	539.73	16.95
26 09 23 00-0379	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	703.40	16.95
26 09 23 00-0380	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	887.54	16.95
26 09 23 00-0381		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0346)*		
26 09 23 00-0382	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	110.09	16.95
26 09 23 00-0383		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0384	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	498.81	16.95
26 09 23 00-0385	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	539.73	16.95
26 09 23 00-0386	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	539.73	16.95
26 09 23 00-0387	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	539.73	16.95
26 09 23 00-0388	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	539.73	16.95
26 09 23 00-0389	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	539.73	16.95
26 09 23 00-0390		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0391	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	498.81	16.95
26 09 23 00-0392	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	498.81	16.95
26 09 23 00-0393	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	498.81	16.95
26 09 23 00-0394	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	1,018.47	16.95
26 09 23 00-0395	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,460.39	16.95
26 09 23 00-0396	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,460.39	16.95
26 09 23 00-0397		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0398	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	642.03	16.95
26 09 23 00-0399	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	723.86	16.95
26 09 23 00-0400	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	846.62	16.95
26 09 23 00-0401		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0345)*		
26 09 23 00-0402	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	948.91	16.95
26 09 23 00-0403	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,306.95	16.95
26 09 23 00-0404		**Removal And Reinstallation Of Occupancy Sensors** *(26 09 23)*		
26 09 23 00-0405	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	76.27	
26 09 23 00-0406	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	50.85	
26 09 23 00-0407		**Occupancy Sensors (Watt Stopper)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0408		**Occupancy Sensors** *(26 09 23 00-0407)* Note: Exclude boxes.		
26 09 23 00-0409		**Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0408)*		
26 09 23 00-0410		**Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0409)*		
26 09 23 00-0411	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	145.30	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0412	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	172.46	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0413		**Passive Infrared, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0409)*		
26 09 23 00-0414	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	119.02	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0415	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	110.79	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0416	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	126.16	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	

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26 09 23 00-0417	EA	Passive Infrared, Dimmable, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100D)	222.84	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0418	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	146.94	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0419	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	145.23	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0420		**Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors** *(26 09 23 00-0409)*		
26 09 23 00-0421	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	213.84	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0422	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	231.03	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0423		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0409)*		
26 09 23 00-0424	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	7.29	2.82
26 09 23 00-0425	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.66	2.82
26 09 23 00-0426	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.66	2.82
26 09 23 00-0427		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0408)*		
26 09 23 00-0428		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0427)*		
26 09 23 00-0429		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0428)*		
26 09 23 00-0430	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	186.86	25.42
26 09 23 00-0431	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	216.41	25.42
26 09 23 00-0432	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	246.19	25.42
26 09 23 00-0433	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	243.50	25.42
26 09 23 00-0434		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0428)*		
26 09 23 00-0435	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	204.35	25.42
26 09 23 00-0436	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	234.33	25.42
26 09 23 00-0437	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	262.71	25.42
26 09 23 00-0438	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	267.52	25.42
26 09 23 00-0439	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	222.27	25.42
26 09 23 00-0440	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	252.99	25.42
26 09 23 00-0441	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	283.59	25.42
26 09 23 00-0442	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	292.40	25.42
26 09 23 00-0443		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0428)*		
26 09 23 00-0444	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	213.01	25.42
26 09 23 00-0445	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	248.82	25.42
26 09 23 00-0446	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	278.80	25.42
26 09 23 00-0447	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	199.82	25.42
26 09 23 00-0448	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	244.95	25.42
26 09 23 00-0449	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	259.57	25.42
26 09 23 00-0450	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	214.87	25.42
26 09 23 00-0451	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	240.86	25.42
26 09 23 00-0452	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	272.95	25.42
26 09 23 00-0453		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0427)*		
26 09 23 00-0454	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	152.37	25.42
26 09 23 00-0455	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	155.85	25.42
26 09 23 00-0456	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	164.12	25.42
26 09 23 00-0457	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	186.30	25.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0458	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	188.99	25.42
26 09 23 00-0459	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	200.60	25.42
26 09 23 00-0460	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	219.17	25.42

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26 09 23 00-0461		Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors *(26 09 23 00-0427)*		
26 09 23 00-0462	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	262.46	25.42
26 09 23 00-0463	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	301.76	25.42
26 09 23 00-0464	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	254.12	25.42
26 09 23 00-0465		Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0408)*		
26 09 23 00-0466		Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0465)*		
26 09 23 00-0467	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	325.30	25.42
26 09 23 00-0468	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	325.30	25.42
26 09 23 00-0469		Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors *(26 09 23 00-0465)*		
26 09 23 00-0470	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	301.76	25.42
26 09 23 00-0471		Occupancy Sensor Power Packs *(26 09 23 00-0407)*		
26 09 23 00-0472		Single Voltage, Occupancy Sensor Power Packs *(26 09 23 00-0471)*		
26 09 23 00-0473	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	100.14	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0474	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	90.16	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0475		Auxiliary, Occupancy Sensor Power Packs *(26 09 23 00-0471)*		
26 09 23 00-0476	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	81.94	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0477		Universal Voltage, Power Packs For Occupancy Sensors *(26 09 23 00-0471)*		
26 09 23 00-0478	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	112.04	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0479		Form C, Occupancy Sensor Power Packs *(26 09 23 00-0471)*		
26 09 23 00-0480	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	100.60	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0481	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	100.69	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0482		Two Relay, Occupancy Sensor Power Packs *(26 09 23 00-0471)*		
26 09 23 00-0483	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	129.53	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0484	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	131.51	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0485		Occupancy Sensor Power Supplies *(26 09 23 00-0471)*		
26 09 23 00-0486	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	114.72	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0487	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	275.79	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0488		Intelligent, Occupancy Sensor Power Packs *(26 09 23 00-0471)*		
26 09 23 00-0489	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	368.56	22.60
26 09 23 00-0490		DIN Rail Mounted, Occupancy Sensor Power Packs *(26 09 23 00-0471)*		
26 09 23 00-0491	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	110.90	22.60
26 09 23 00-0492		Occupancy Sensor Accessories *(26 09 23 00-0407)*		
26 09 23 00-0493		Protective Cages For Occupancy Sensors *(26 09 23 00-0492)*		
26 09 23 00-0494	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	65.96	8.47

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26 09 23 00-0495		**Mounting Brackets For Occupancy Sensors** *(26 09 23 00-0492)*		
26 09 23 00-0496	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	47.82	14.13
26 09 23 00-0497		**Occupancy/Lighting Logger** *(26 09 23 00-0492)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0498	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	497.12	48.03
26 09 23 00-0499		**Digital Time Light Switches** *(26 09 23 00-0407)*		
26 09 23 00-0500	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	106.90	11.30
26 09 23 00-0501		**User Interface** *(26 09 23 00-0407)*		
26 09 23 00-0502	EA	36KHZ IR User Interface Config Tool (Watt Stopper LMCT-100)	445.22	
26 09 23 00-0503		**Lighting Integrator Panels With Digital Lighting Management (DLM) Support** *(26 09 23 00-0407)*		
26 09 23 00-0504	EA	8 Relay Capacity, Flush Mount Tub With Cover (Watt Stopper LENC8F)	1,214.72	38.35
26 09 23 00-0505	EA	8 Relay Capacity, Surface Mount Tub With Cover (Watt Stopper LENC8S)	710.96	38.35
26 09 23 00-0506	EA	24 Relay Capacity, Flush Mount Tub With Cover (Watt Stopper LENC24F)	1,710.98	81.21
26 09 23 00-0507	EA	24 Relay Capacity, Surface Mount Tub With Cover (Watt Stopper LENC24S)	1,372.93	81.21
26 09 23 00-0508	EA	48 Relay Capacity, Flush Mount Tub With Cover (Watt Stopper LENC48F)	2,187.80	112.80
26 09 23 00-0509	EA	48 Relay Capacity, Surface Mount Tub With Cover (Watt Stopper LENC48S)	1,726.68	112.80
26 09 23 00-0510	EA	8 Relay Capacity Panel Interior, 115-277 Volt, 4 Relay (Watt Stopper LMCP8-115/277-4HD)	5,631.78	45.12
26 09 23 00-0511	EA	8 Relay Capacity Panel Interior, 115-277 Volt, 8 Relay (Watt Stopper LMCP8-115/277-8HD)	6,407.38	45.12
26 09 23 00-0512	EA	8 Relay Capacity Panel Interior, 115-347 Volt, 4 Relay (Watt Stopper LMCP8-115/347-4HD)	5,600.32	45.12
26 09 23 00-0513	EA	8 Relay Capacity Panel Interior, 115-347 Volt, 8 Relay (Watt Stopper LMCP8-115/347-8HD)	6,375.91	45.12
26 09 23 00-0514	EA	8 Relay Capacity Panel Interior, 240 Volt, 4 Relay (Watt Stopper LMCP8-240-4HD)	6,214.91	45.12
26 09 23 00-0515	EA	8 Relay Capacity Panel Interior, 240 Volt, 8 Relay (Watt Stopper LMCP8-240-8HD)	6,990.49	45.12
26 09 23 00-0516	EA	24 Relay Capacity Panel Interior, 115-277 Volt, 12 Relay (Watt Stopper LMCP24-115/277-12HD)	10,730.61	90.24
26 09 23 00-0517	EA	24 Relay Capacity Panel Interior, 115-277 Volt, 24 Relay (Watt Stopper LMCP24-115/277-24HD)	13,057.29	90.24
26 09 23 00-0518	EA	24 Relay Capacity Panel Interior, 115-347 Volt, 12 Relay (Watt Stopper LMCP24-115/347-12HD)	10,713.93	90.24
26 09 23 00-0519	EA	24 Relay Capacity Panel Interior, 115-347 Volt, 24 Relay (Watt Stopper LMCP24-115/347-24HD)	13,040.61	90.24
26 09 23 00-0520	EA	24 Relay Capacity Panel Interior, 240 Volt, 12 Relay (Watt Stopper LMCP24-240-12HD)	10,790.16	90.24
26 09 23 00-0521	EA	24 Relay Capacity Panel Interior, 240 Volt, 24 Relay (Watt Stopper LMCP24-240-24HD)	13,116.91	90.24
26 09 23 00-0522	EA	48 Relay Capacity Panel Interior, 115-277 Volt, 36 Relay (Watt Stopper LMCP48-115/277-36HD)	20,917.41	135.36
26 09 23 00-0523	EA	48 Relay Capacity Panel Interior, 115-277 Volt, 48 Relay (Watt Stopper LMCP48-115/277-48HD)	23,244.15	135.36
26 09 23 00-0524	EA	48 Relay Capacity Panel Interior, 115-347 Volt, 36 Relay (Watt Stopper LMCP48-115/347-36HD)	20,900.72	135.36
26 09 23 00-0525	EA	48 Relay Capacity Panel Interior, 115-347 Volt, 48 Relay (Watt Stopper LMCP48-115/347-48HD)	23,227.47	135.36
26 09 23 00-0526	EA	48 Relay Capacity Panel Interior, 240 Volt, 36 Relay (Watt Stopper LMCP48-240-36HD)	20,977.02	135.36
26 09 23 00-0527	EA	48 Relay Capacity Panel Interior, 240 Volt, 48 Relay (Watt Stopper LMCP48-240-48HD)	23,303.70	135.36
26 09 23 00-0528		**Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor** *(26 09 23 00-0407)*		
26 09 23 00-0529	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	229.08	36.72
26 09 23 00-0530		**Occupancy Sensors (Sensor Switch)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0531		**Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0530)* Note: Exclude boxes		
26 09 23 00-0532		**Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0531)*		
26 09 23 00-0533		**Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0532)*		
26 09 23 00-0534	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	227.19	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
26 09 23 00-0535	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	158.99	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	151.49	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0537	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	151.49	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	193.09	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0539	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	193.09	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0540	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	235.73	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0541	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	193.09	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0542		**Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0532)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0543	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	295.39	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
26 09 23 00-0544	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	227.19	11.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0545	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	222.09	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0546	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	222.09	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0547	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	261.29	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 09 23 00-0548	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	261.29	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0549	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	281.75	11.30
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
26 09 23 00-0550		**Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)** *(26 09 23 00-0532)*		
26 09 23 00-0551	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	19.29	2.82
26 09 23 00-0552	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	19.29	2.82
26 09 23 00-0553	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	39.75	2.82
26 09 23 00-0554	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	39.75	2.82
26 09 23 00-0555		**360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0531)*		
26 09 23 00-0556		**Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)** *(26 09 23 00-0555)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0557	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0558	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0559	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0560	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	272.49	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0561	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	272.49	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0562	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	217.93	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0563	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	340.69	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0564	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	340.69	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	286.13	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0566	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0567	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0568	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0569	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	272.49	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0570	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	272.49	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0571	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	217.93	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0572	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	340.69	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0573	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	340.69	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0574	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	286.13	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

26 09 23 00-0575 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0555)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0576	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0577	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0578	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0579	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	306.59	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0580	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	306.59	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0581	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	252.03	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0582	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	374.79	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0583	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	374.79	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0584	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	320.23	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0585	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0586	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0587	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
26 09 23 00-0588	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	306.59	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0589	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	306.59	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0590	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	252.03	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Photocell Option With Dimming Capability, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0591	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	374.79	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0592	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	374.79	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0593	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	320.23	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Photocell Option With Dual Zone On/Off, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

26 09 23 00-0594 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0531)*

26 09 23 00-0595 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0594)*

26 09 23 00-0596	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0597	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	289.54	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0598	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	357.74	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Ceiling Mount, Add	*31.00*	
26 09 23 00-0599	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	340.69	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0600	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	408.89	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

26 09 23 00-0601 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0594)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0602	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0603	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	374.79	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0604	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	442.98	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.60*	
		For Ceiling Mount, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0605		High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0531)*		
26 09 23 00-0606		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0605)*		
26 09 23 00-0607	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0608	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0609	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	255.44	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0610	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	217.93	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0611	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	217.93	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0612	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	217.93	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0613	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	286.13	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0614	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	286.13	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0615	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	286.13	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0616	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	241.80	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0617	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	241.80	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0618	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	241.80	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0619	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	241.80	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0620	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	241.80	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0621	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	241.80	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0622	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	289.54	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0623	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	289.54	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0624	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	289.54	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0625	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	354.33	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0626	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	354.33	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0627	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	354.33	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Photocell Option, Add	*31.00*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0628	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	310.00	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0629	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	310.00	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0630	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	258.85	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0631	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	258.85	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0632	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	258.85	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0633	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	258.85	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Photocell Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0634	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	289.54	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
26 09 23 00-0635	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	289.54	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Low Voltage Relay Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0636	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	354.33	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0637	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	354.33	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Start To High, HID Option, Add	*18.60*	
		For Occupancy Controlled Dimming Option, Add	*31.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0638	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	340.69	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0639	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	306.59	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0640	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	306.59	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

26 09 23 00-0641 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0530)*

26 09 23 00-0642	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	140.68	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0643	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	208.87	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0644	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	106.58	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0645	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	96.35	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0646	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	130.45	22.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0647	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	215.69	22.60
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0648	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	215.69	22.60
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	
26 09 23 00-0649	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	215.69	22.60
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.56*	

26 09 23 00-0650 Daylighting Control (Sensor Switch) *(26 09 23 00-0530)*

26 09 23 00-0651	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0652	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0653	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0654	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For 480 Volt AC Option, Add	*21.70*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0655	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For 480 Volt AC Option, Add	*21.70*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0656	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For 480 Volt AC Option, Add	*21.70*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0657	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0658	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0659	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0660	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0661	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0662	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	221.34	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0664	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0665	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
26 09 23 00-0666	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0667	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 09 23 00-0668	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	323.64	25.42
		For Low Temp/High Humidity Option, Add	*15.50*	
		For Dual Zone Option, Add	*46.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	

26 09 23 00-0669 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0670 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0669)*

Note: Excludes boxes.

26 09 23 00-0671 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0670)*

26 09 23 00-0672 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0671)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0673	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	355.51	11.30

26 09 23 00-0674 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0670)*

26 09 23 00-0675 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0674)*

Note: One photocell or dimming option per occupancy sensor

26 09 23 00-0676	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	416.68	25.42
26 09 23 00-0677	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	416.68	25.42
26 09 23 00-0678	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	416.68	25.42

26 09 23 00-0679 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0674)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0680	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	489.84	25.42
26 09 23 00-0681	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	489.84	25.42
26 09 23 00-0682	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	508.10	25.42

26 09 23 00-0683 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0670)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0684		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0683)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0685	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	489.84	25.42
26 09 23 00-0686		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0670)*		
26 09 23 00-0687		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0686)*		
26 09 23 00-0688	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	416.68	25.42
26 09 23 00-0689		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0669)*		
26 09 23 00-0690	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	136.65	22.60
26 09 23 00-0691	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	173.27	22.60
26 09 23 00-0692	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	235.43	22.60
26 09 23 00-0693	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	235.43	22.60
26 09 23 00-0694		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0669)*		
26 09 23 00-0695	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	508.10	25.42
26 09 23 00-0696	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	407.29	25.42
26 09 23 00-0697		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0669)*		
26 09 23 00-0698	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	343.51	25.42
26 09 23 00-0699		Controls (Sensor Switch nLight®) *(26 09 23 00-0669)*		
26 09 23 00-0700	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	222.79	25.42
26 09 23 00-0701	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	325.25	25.42
26 09 23 00-0702	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	764.22	25.42
26 09 23 00-0703	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	764.22	25.42
26 09 23 00-0704	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,886.01	25.42
26 09 23 00-0705		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0706		Wireless Occupancy Sensors *(26 09 23 00-0705)*		
26 09 23 00-0707	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	163.41	25.42
26 09 23 00-0708	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	170.97	25.42
26 09 23 00-0709	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	165.21	25.42
26 09 23 00-0710	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	175.21	25.42
26 09 23 00-0711	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	167.45	25.42
26 09 23 00-0712	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	175.21	25.42
26 09 23 00-0713	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	163.41	25.42
26 09 23 00-0714	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	167.45	25.42
26 09 23 00-0715	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	165.21	25.42
26 09 23 00-0716	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	259.40	25.42
26 09 23 00-0717	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	277.34	25.42
26 09 23 00-0718	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	317.71	25.42
26 09 23 00-0719	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	335.65	25.42
26 09 23 00-0720	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	344.62	25.42
26 09 23 00-0721	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	362.56	25.42
26 09 23 00-0722	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	202.88	25.42
26 09 23 00-0723	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	214.54	25.42
26 09 23 00-0724	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	252.67	25.42
26 09 23 00-0725	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	281.83	25.42
26 09 23 00-0726	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	304.25	25.42
26 09 23 00-0727	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	261.64	25.42
26 09 23 00-0728	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	239.86	25.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0729	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	199.33	25.42
26 09 23 00-0730	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	247.12	25.42
26 09 23 00-0731	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	301.71	25.42
26 09 23 00-0732	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	320.70	25.42
26 09 23 00-0733	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	320.70	25.42
26 09 23 00-0734	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	320.70	25.42
26 09 23 00-0735	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	338.11	25.42
26 09 23 00-0736	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	549.85	36.72
26 09 23 00-0737		**Nodes And Modules** *(26 09 23 00-0705)*		
26 09 23 00-0738	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	270.61	25.42
26 09 23 00-0739	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	270.61	25.42
26 09 23 00-0740	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	344.62	25.42
26 09 23 00-0741	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	344.62	25.42
26 09 23 00-0742	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	442.22	28.25
26 09 23 00-0743	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	442.22	28.25
26 09 23 00-0744	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	538.66	28.25
26 09 23 00-0745	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	552.11	28.25
26 09 23 00-0746	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	684.43	28.25
26 09 23 00-0747	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	727.04	28.25
26 09 23 00-0748	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	769.65	28.25
26 09 23 00-0749	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,092.01	45.20
26 09 23 00-0750	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	2,052.84	50.85
26 09 23 00-0751	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	3,017.29	56.50
26 09 23 00-0752		**Other Accessories** *(26 09 23 00-0705)*		
26 09 23 00-0753	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	39.64	
26 09 23 00-0754	EA	Pico® Wireless Control (Lutron® PJ)	56.62	
26 09 23 00-0755	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	168.27	
26 09 23 00-0756	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	323.01	
26 09 23 00-0757	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	331.68	25.42
26 09 23 00-0758	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	422.58	25.42
26 09 23 00-0759	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	422.58	25.42
26 09 23 00-0760	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	697.89	28.25
26 09 23 00-0761	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	960.28	28.25
26 09 23 00-0762	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,158.72	25.42
26 09 23 00-0763	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,149.77	25.42
26 09 23 00-0764	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,542.24	25.42
26 09 23 00-0765	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,251.99	789.61
26 09 23 00-0766	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	3,149.06	789.61
26 09 23 00-0767		**Wired Occupancy Sensors** *(26 09 23 00-0705)*		
26 09 23 00-0768	EA	120 Volt, Dimmer With Occupancy Sensor (Lutron® MS-OP600M)	128.33	28.25
26 09 23 00-0769	EA	120 Volt, Eco-dim Dimmer With Occupancy Sensor (Lutron® MS-OP600GHW)	135.29	28.25
26 09 23 00-0770	EA	120 Volt, Dimmer With Vacancy Sensor (Lutron® MS-VP600M)	128.33	28.25
26 09 23 00-0771	EA	120 Volt, Eco-dim Dimmer With Vacancy Sensor (Lutron® MS-VP600GHW)	135.29	28.25
26 09 23 00-0772	EA	120 Volt, Occupancy Sensor Switch (Lutron® MS-OPS2)	94.94	28.25
26 09 23 00-0773	EA	120 Volt, 3-Way Occupancy Sensor Switch (Lutron® MS-OPS5M)	114.59	28.25
26 09 23 00-0774	EA	120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2-DV)	164.77	28.25
26 09 23 00-0775	EA	120 Volt, 3-Way Occupancy Sensor With Dual Voltage Switch (Lutron® MS-OPS6M2N-DV)	144.09	28.25
26 09 23 00-0776	EA	120 Volt, Vacancy Sensor Switch (Lutron® MS-VPS2)	92.30	28.25
26 09 23 00-0777	EA	120 Volt, 3-Way Vacancy Sensor Switch (Lutron® MS-VPS5M)	114.59	28.25
26 09 23 00-0778	EA	120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2-DV)	157.05	28.25
26 09 23 00-0779	EA	120 Volt, 3-Way Vacancy Sensor With Dual Voltage Switch (Lutron® MS-VPS6M2N-DV)	130.79	28.25
26 09 23 00-0780	EA	120 Volt, Multi-Location, Single-Pole, Passive Infrared, Wall Switch Mount Occupancy/Vacancy Sensor With Dimmer (Lutron® Maestro® MSCL-OP153M)	142.16	28.25
26 09 23 00-0781	EA	120 Volt, Multi-Location, Single-Pole, Passive Infrared, Wall Switch Mount Vacancy Sensor With Dimmer (Lutron® Maestro® MSCL-VP153M)	151.67	28.25
26 09 23 00-0782		**Lighting Controls (Daintree Networks)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0783		**Wireless Sensors** *(26 09 23 00-0782)*		
26 09 23 00-0784	EA	Battery Powered, Passive Infrared, Ceiling Mount, 500 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-S)	197.18	25.42
26 09 23 00-0785	EA	Battery Powered, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View, Wireless Occupancy Sensor (Daintree Networks WOS2-CM-E)	197.18	25.42
26 09 23 00-0786	EA	Battery Powered, Passive Infrared, Wall Mount, Long-Range Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-L) Note: 8' to 12' install height.	197.18	25.42
26 09 23 00-0787	EA	Battery Powered, Passive Infrared, Wall Mount, Wide-Angle Lens, Wireless Occupancy Sensor (Daintree Networks WOS2-WM-W) Note: 8' to 12' install height.	197.18	25.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0788	EA	Battery Powered, Wireless Photosensor (Daintree Networks WPS1) Note: 8' to 12' install height.	167.91	25.42
26 09 23 00-0789		**Wireless Adaptors** *(26 09 23 00-0782)*		
26 09 23 00-0790	EA	Line Voltage, Wireless Adapter (Daintree Networks WA100) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, and mounting bracket.	228.76	33.90
26 09 23 00-0791	EA	Line Voltage, Wireless Adapter With Power Monitoring (Daintree Networks WA100-PM) Note: Includes on/off, 0-10V dimming and alternate/bi-level switching. Includes inputs for occupancy controller and photo sensor, power monitoring, and mounting bracket.	258.03	33.90
26 09 23 00-0792	EA	Line Voltage, Wireless Fixture Adapter (Daintree Networks WFA100) Note: Includes on/off and 0-10V dimming.	176.08	33.90
26 09 23 00-0793	EA	Line Voltage, Wireless Fixture Adapter With Sensor Inputs (Daintree Networks WFA100-SN) Note: Includes on/off and 0-10V dimming. Includes inputs for occupancy controller and photo sensor.	190.72	33.90
26 09 23 00-0794	EA	Line Voltage, Wireless General Purpose Adapter (Daintree Networks WGA100) Note: Includes mounting bracket.	287.30	33.90
26 09 23 00-0795		**Controllers** *(26 09 23 00-0782)* Note: Includes programming for new controllers.		
26 09 23 00-0796	EA	Site System Controller (Daintree Networks SC51) Note: For single facility up to 1,000 wireless nodes. Excludes node licenses. Does not support CS-MFM.	3,010.35	56.50
26 09 23 00-0797	EA	Enterprise System Controller (Daintree Networks SC71) Note: For single or multiple facilities up to 10,000 wireless nodes. Excludes node licenses. Up to 4,000 zones per facility. Single facility included, additional facilities require purchase of CS-MFM per facility. Includes rack rails.	5,058.98	56.50
26 09 23 00-0798	EA	Wireless Area Controller (Daintree Networks WAC50) Note: Maximum capacity of 100 wireless nodes. Excludes node licenses.	1,197.88	
26 09 23 00-0799	EA	BACnet Server (Daintree Networks CS-BAC) Note: Requires purchase of additional CS-BAC-5 licenses for systems with more than 1,000 nodes.	5,936.96	56.50
26 09 23 00-0800		**Other Accessories** *(26 09 23 00-0782)*		
26 09 23 00-0801	EA	10 To 30 Volt AC, Wireless Thermostat (Daintree Networks WTS10)	464.19	56.50
26 09 23 00-0802	EA	Battery Powered, Wireless Wall Dimmer (Daintree Networks WWD1)	199.50	33.90
26 09 23 00-0803	EA	SafePlug Model 1203 Wireless Plug Load Controller, Dual Receptacle (Daintree Networks RSP-1203) Note: ControlScope interoperable version is 9916 003 ZB HA or later.	315.26	11.30
26 09 23 00-0804	EA	SafePlug 1621 Reset Link Key (Daintree Networks RSP-1621) Note: Required to reset a Safeplug 1203 to default settings.	20.49	
26 09 23 00-0805		**Software And Support** *(26 09 23 00-0782)*		
26 09 23 00-0806	EA	Regular Node License Bundle (25 Regular Wireless Nodes) (Daintree Networks N25) Note: Includes 1 year of SUS.	2,019.36	
26 09 23 00-0807	EA	Software Updates and Support - 1 Year Extension (5 Wireless Nodes) (Daintree Networks SUS1-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	131.70	
26 09 23 00-0808	EA	Software Updates and Support - 3 Year Extension (5 Wireless Nodes) (Daintree Networks SUS3-5) Note: Node total must match the number of wireless node licenses purchased or installed on the system.	321.93	
26 09 23 00-0809	EA	Thermostat Node License Bundle (5 Thermostat Wireless Nodes) (Daintree Networks T5) Note: Includes 1 year of SUS.	1,726.70	
26 09 23 00-0810	EA	BACnet Supplemental Node License Bundle (5 Additional Wireless Nodes) (Daintree Networks CS-BAC-5) Note: Requires CS-BAC; Supports additional wireless nodes above 1,000. Node total must match the number of wireless node licenses purchased or installed on the system.	29.27	
26 09 23 00-0811	EA	Multi-Facility Management (per additional facility) (Daintree Networks CS-MFM) Note: Requires SC71.	1,141.38	
26 09 23 00-0812	HR	Engineering Assistance (Daintree Networks EAH1)	438.99	
26 09 23 00-0813	DAY	Engineering Assistance (Daintree Networks EA1)	3,511.94	
26 09 23 00-0814	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC51) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	936.52	
26 09 23 00-0815	EA	2-Year Hardware Warranty Extension (Daintree Networks HWE2-SC71) Note: Extends total hardware warranty to 3 years. Can be purchased before expiry of the included 1-year warranty.	1,726.70	
26 09 23 00-0816		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0817	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	156.23	25.42
26 09 23 00-0818	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	135.60	25.42
26 09 23 00-0819	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	173.28	25.42
26 09 23 00-0820	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	135.60	25.42
26 09 23 00-0821	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	236.38	11.28
26 09 23 00-0822		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0823		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0822)*		
26 09 23 00-0824	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	361.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0825	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	507.85	
26 09 23 00-0826		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0822)*		
26 09 23 00-0827	EA	Retrofit Receptacle Kit (Roam® DUR103) Note: For adapting light fixtures for use with a NEMA locking type photocontrol.	57.90	
26 09 23 00-0828	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,762.10	64.51
26 09 23 00-0829		**Architectural Dimmers (Watt Stopper)** *(26 09 23)*		
26 09 23 00-0830	EA	0-10 Volt, Wall Switch Mounted, Fluorescent Architectural Dimmer (Watt Stopper ADF-120277)	155.99	22.60
26 09 23 00-0831		**RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®)** *(26 09 23)*		
26 09 23 00-0832		**RF Wireless Technology, Switches (Lutron® Maestro Wireless®)** *(26 09 23 00-0831)*		
26 09 23 00-0833	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	139.36	22.60
26 09 23 00-0834	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	165.41	22.60
26 09 23 00-0835	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	262.49	22.60
26 09 23 00-0836	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	95.91	22.60
26 09 23 00-0837	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	118.66	22.60
26 09 23 00-0838	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	105.46	22.60
26 09 23 00-0839	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	128.68	22.60
26 09 23 00-0840		**RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®)** *(26 09 23 00-0831)*		
26 09 23 00-0841	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	133.35	22.60
26 09 23 00-0842	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	145.37	22.60
26 09 23 00-0843	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	175.43	22.60
26 09 23 00-0844	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	186.73	28.25
26 09 23 00-0845	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	234.53	22.60
26 09 23 00-0846	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	72.75	22.60
26 09 23 00-0847	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	89.28	22.60
26 09 23 00-0848	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	78.77	22.60
26 09 23 00-0849	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	95.29	22.60
26 09 23 00-0850	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	259.41	39.55
26 09 23 00-0851		**Counter Mounted Consolets** *(26 09 23)*		
26 09 23 00-0852	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	672.95	141.00
26 09 23 00-0853		**Lighting Console And Stations** *(26 09 23)*		
26 09 23 00-0854	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,168.63	141.00
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*113.00*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,204.85*	
26 09 23 00-0855	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,574.43	84.60
26 09 23 00-0856		**Theatre Lighting Console** *(26 09 23)*		
26 09 23 00-0857	EA	Theatre Lighting Console (ETC Colorsource 20)	3,688.08	169.20
26 09 23 00-0858		**Emergency Lighting Controls** *(26 09 23)*		
26 09 23 00-0859		**Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0858)* Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0860	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	245.83	28.25
26 09 23 00-0861	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	245.83	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0862		Emergency Shunt Relays (Lighting Control & Design GR 2001™) *(26 09 23 00-0858)* Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0863	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	409.57	39.55
26 09 23 00-0864	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	562.33	45.20
26 09 23 00-0865	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual) Note: Controls normal and emergency lighting from single-pole wall switch.	762.61	50.85
26 09 23 00-0866		Photocells *(26 09 23)*		
26 09 23 00-0867	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	93.48	
26 09 23 00-0868	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	203.94	
26 09 23 00-0869		Outdoor Lighting Motion Sensors *(26 09 23)*		
26 09 23 00-0870	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	127.50	28.25
26 09 23 00-0871	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	140.37	28.25
26 09 23 00-0872	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	618.29	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 09 23 00-0873		Street Light Controls *(26 09 23)*		
26 09 23 00-0874		Photo Controls *(26 09 23 00-0873)*		
26 09 23 00-0875	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	95.26	
26 09 23 00-0876	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	109.90	
26 09 23 00-0877		Connector Node *(26 09 23 00-0873)*		
26 09 23 00-0878	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	561.93	3.56
26 09 23 00-0879		Occupancy Sensors And Switches *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0880	EA	1-pole dimming nLight Air wireless switch (Acuity rPODBA DX WH G2)	101.74	11.30
26 09 23 00-0881	EA	2-pole dimming nLight Air wireless switch (Acuity rPODBA 2P DX WH G2)	109.98	11.30
26 09 23 00-0882	EA	1-pole non-dimming nLight Air wireless switch (Acuity rPODBA WH G2)	101.74	11.30
26 09 23 00-0883	EA	2-pole non-dimming nLight Air wireless switch (Acuity rPODBA 2P WH G2)	109.98	11.30
26 09 23 00-0884	EA	nLight Air dimming powerpack (Acuity rPP20 DS)	132.68	11.30
26 09 23 00-0885	EA	nLight Air non-dimming powerpack (Acuity rPP20 24V)	108.87	11.30
26 09 23 00-0886	EA	Wired wall-switch occupancy sensor (Sensor Switch WSX PDT WH)	87.09	11.30
26 09 23 00-0887	EA	Wireless battery powered nLight Air ceiling sensor (Acuity rCMSB 7 G2)	166.39	11.30
26 09 23 00-0888	EA	nLight Air non-dimming powerpack (Acuity rPP20 24V DS)	132.68	11.30

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)* Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	113,592.58	1,981.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,209.45*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	139,251.74	2,506.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,511.82*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	158,424.90	2,506.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,511.82*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	182,591.65	2,506.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,612.61*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	207,047.47	3,089.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,860.70*	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	2,805.57	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.04*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	741.84	149.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.39*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	1,182.24	149.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.42*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	930.97	149.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	3,481.23	504.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*304.90*	

26 11 13 00-0014 "Switchyard", Substation Transformer Section *(26 11 13)*

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	63,710.46	1,981.76
		For 50 Hz Operation, Add	*7,161.47*	
		For Forced Air-Cooling, Add	*7,161.47*	
		For External Control Panel, Add	*1,790.37*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*596.79*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,983.95*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,459.87*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,951.84*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	72,414.43	2,483.02
		For 50 Hz Operation, Add	*8,085.00*	
		For Forced Air-Cooling, Add	*8,085.00*	
		For External Control Panel, Add	*2,021.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*673.75*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,368.75*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,421.88*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,106.25*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	112,005.95	3,497.22
		For 50 Hz Operation, Add	*12,580.66*	
		For Forced Air-Cooling, Add	*12,580.66*	
		For External Control Panel, Add	*3,145.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,048.39*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,241.94*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,104.85*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,725.82*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	163,846.51	4,290.10
		For 50 Hz Operation, Add	*18,551.20*	
		For Forced Air-Cooling, Add	*18,551.20*	
		For External Control Panel, Add	*4,637.80*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,545.93*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,729.67*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*19,324.17*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*23,189.00*	
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	201,698.66	5,551.90
		For 50 Hz Operation, Add	*22,815.86*	
		For Forced Air-Cooling, Add	*22,815.86*	
		For External Control Panel, Add	*5,703.97*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,901.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,506.61*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,766.53*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,519.83*	

26 11 13 00-0021 23 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	70,687.74	2,681.20
		For 50 Hz Operation, Add	*7,877.80*	
		For External Control Panel, Add	*1,969.45*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*656.48*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,282.42*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*8,206.04*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,847.25*	
		For Forced Air-Cooling, Add	*5,251.87*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	80,371.55	2,681.20
		For 50 Hz Operation, Add	*8,914.35*	
		For External Control Panel, Add	*2,228.59*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*742.86*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,714.31*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,285.78*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,142.94*	
		For Forced Air-Cooling, Add	*5,942.90*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	130,671.25	3,963.51
		For 50 Hz Operation, Add	*14,712.99*	
		For External Control Panel, Add	*3,678.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,226.08*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,130.41*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,326.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,391.23*	
		For Forced Air-Cooling, Add	*9,808.66*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	175,044.60	5,551.90
		For 50 Hz Operation, Add	*19,617.38*	
		For External Control Panel, Add	*4,904.34*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,634.78*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*8,173.91*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*20,434.77*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*24,521.72*	
		For Forced Air-Cooling, Add	*13,078.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	219,468.09	5,551.90
		For 50 Hz Operation, Add	*24,948.20*	
		For External Control Panel, Add	*6,237.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,079.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,395.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*25,987.70*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*31,185.24*	
		For Forced Air-Cooling, Add	*16,632.13*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	89,009.45	3,205.79
		For 50 Hz Operation, Add	*9,950.90*	
		For External Control Panel, Add	*2,487.72*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*829.24*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,146.21*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,365.52*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,438.62*	
		For Forced Air-Cooling, Add	*6,633.93*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	107,529.98	5,012.68
		For 50 Hz Operation, Add	*12,023.99*	
		For External Control Panel, Add	*3,006.00*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,002.00*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,010.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,524.99*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*15,029.99*	
		For Forced Air-Cooling, Add	*8,016.00*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	148,680.38	5,012.68
		For 50 Hz Operation, Add	*16,632.19*	
		For External Control Panel, Add	*4,158.05*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,386.02*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,930.08*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*17,325.20*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*20,790.24*	
		For Forced Air-Cooling, Add	*11,088.13*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	192,813.88	5,425.72
		For 50 Hz Operation, Add	*21,749.69*	
		For External Control Panel, Add	*5,437.42*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,812.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,062.37*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*22,655.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*27,187.11*	
		For Forced Air-Cooling, Add	*14,499.79*	
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	338,207.74	6,939.87
		For 50 Hz Operation, Add	*38,808.32*	
		For External Control Panel, Add	*9,702.08*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,234.03*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*16,170.13*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*40,425.33*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*48,510.40*	
		For Forced Air-Cooling, Add	*25,872.21*	
26 11 13 00-0033		**46 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	138,510.97	3,730.37
		For 50 Hz Operation, Add	*15,741.71*	
		For External Control Panel, Add	*3,935.43*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,311.81*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,559.05*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,397.62*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,677.14*	
		For Forced Air-Cooling, Add	*10,494.48*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	156,784.88	3,730.37
		For 50 Hz Operation, Add	*17,846.62*	
		For External Control Panel, Add	*4,461.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,487.22*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,436.09*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,590.23*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,308.28*	
		For Forced Air-Cooling, Add	*11,897.75*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	218,283.10	5,012.68
		For 50 Hz Operation, Add	*24,984.52*	
		For External Control Panel, Add	*6,246.13*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,082.04*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,410.22*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*26,025.54*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*31,230.65*	
		For Forced Air-Cooling, Add	*16,656.35*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	264,986.98	6,939.87
		For 50 Hz Operation, Add	*30,021.83*	
		For External Control Panel, Add	*7,505.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,501.82*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,509.10*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*31,272.74*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*37,527.29*	
		For Forced Air-Cooling, Add	*20,014.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	382,741.29	6,939.87
		For 50 Hz Operation, Add	*44,152.35*	
		For External Control Panel, Add	*11,038.09*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,679.36*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*18,396.81*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*45,992.03*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*55,190.43*	
		For Forced Air-Cooling, Add	*29,434.90*	

26 11 13 00-0039 69 KV Nominal Primary *(26 11 13 00-0014)*

26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	201,890.07	3,963.51
		For 50 Hz Operation, Add	*23,259.24*	
		For External Control Panel, Add	*5,814.81*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,938.27*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,691.35*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*24,228.38*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*29,074.06*	
		For Forced Air-Cooling, Add	*15,506.16*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	231,054.36	5,012.68
		For 50 Hz Operation, Add	*26,517.07*	
		For External Control Panel, Add	*6,629.27*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,209.76*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*11,048.78*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,621.95*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*33,146.34*	
		For Forced Air-Cooling, Add	*17,678.05*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	321,334.23	5,012.68
		For 50 Hz Operation, Add	*37,350.65*	
		For External Control Panel, Add	*9,337.66*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,112.55*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*15,562.77*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*38,906.93*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*46,688.32*	
		For Forced Air-Cooling, Add	*24,900.44*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	336,915.67	6,939.87
		For 50 Hz Operation, Add	*38,653.27*	
		For External Control Panel, Add	*9,663.32*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*3,221.11*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*16,105.53*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*40,263.83*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*48,316.59*	
		For Forced Air-Cooling, Add	*25,768.85*	
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	445,653.64	6,939.87
		For 50 Hz Operation, Add	*51,701.83*	
		For External Control Panel, Add	*12,925.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*4,308.49*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*21,542.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*53,856.07*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*64,627.29*	
		For Forced Air-Cooling, Add	*34,467.89*	

26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*

26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	123,735.73	991.31
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	136,064.85	991.31
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	154,691.26	1,231.37
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	143,938.34	1,480.66
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	162,564.10	1,480.66
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	185,394.40	1,720.19
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	190,707.00	1,965.33
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	213,897.12	1,965.33
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	223,875.00	2,207.08

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,412.00	1,455.70
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	54,854.85	1,455.70

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	67,211.41	1,455.70
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	72,055.27	1,455.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0008		**Accessories For Substation Fused Load Break Switches** *(26 11 16 11-0001)*		
26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	28,793.32	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,802.66	
26 11 16 11-0011		**Oil Filled Substation Transformers** *(26 11 16 11)* Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012		**Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	49,353.39	874.30
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,332.33*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,428.14*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*476.05*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	73,202.38	1,049.16
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,977.28*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,133.12*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*711.04*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	82,919.60	1,165.74
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,641.17*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,417.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*805.88*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	97,878.40	1,457.18
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,647.48*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,848.92*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*949.64*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	108,564.32	1,806.89
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,346.54*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,148.52*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,049.51*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	115,217.95	2,214.91
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,755.17*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,323.64*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,107.88*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	134,578.39	2,681.20
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,045.12*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,876.48*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,292.16*	
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	143,215.44	2,914.34
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,617.07*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,121.60*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,373.87*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	160,192.69	3,205.79
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,764.68*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,613.43*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,537.81*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	185,739.33	3,555.51
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*12,503.98*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,358.85*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,786.28*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	204,044.11	3,876.08
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*13,740.44*	
		For Control Power Transformer On Fans And Auxiliary, Add	*5,888.76*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,962.92*	
26 11 16 11-0024		**Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ** *(26 11 16 11-0011)*		
26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	46,978.45	874.30
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,166.09*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,356.90*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*452.30*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	72,082.56	874.30
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,923.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,110.02*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*703.34*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	82,867.04	1,165.74
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,637.49*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,416.07*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*805.36*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	97,968.82	1,457.18
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,653.81*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,851.63*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*950.54*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	117,792.77	1,806.89
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,992.53*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,425.37*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,141.79*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	126,709.03	2,214.91
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,559.55*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,668.38*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,222.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	139,884.53	2,681.20
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,416.55*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,035.66*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,345.22*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	152,355.75	2,914.34
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,256.89*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,395.81*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,465.27*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	172,012.51	3,205.79
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*11,592.07*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,968.03*	
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,656.01*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	14,428.82	
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	28,646.11	
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	18,862.36	
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	104,676.64	
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	97,935.41	

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,355.90	1,497.27
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	12,795.14	1,726.38

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,795.66	932.59
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*19,091.22*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,912.24	990.88
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*19,102.88*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	89,381.26	1,165.74
		For Gas Filled Transformers, Add	*52,229.87*	
		For Single Phase Transformers, Deduct	*-2,176.24*	
		For Dry Type Unit, Add	*19,384.10*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	98,665.76	1,282.31
		For Gas Filled Transformers, Add	*57,660.68*	
		For Single Phase Transformers, Deduct	*-2,402.53*	
		For Dry Type Unit, Add	*21,398.71*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	109,249.81	1,515.46
		For Gas Filled Transformers, Add	*63,731.33*	
		For Single Phase Transformers, Deduct	*-2,655.47*	
		For Dry Type Unit, Add	*23,671.25*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	126,593.74	1,748.61
		For Gas Filled Transformers, Add	*73,857.91*	
		For Single Phase Transformers, Deduct	*-3,077.41*	
		For Dry Type Unit, Add	*27,430.96*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	146,788.38	2,098.33
		For Gas Filled Transformers, Add	*85,555.03*	
		For Single Phase Transformers, Deduct	*-3,564.79*	
		For Dry Type Unit, Add	*31,789.84*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	173,923.97	2,331.48
		For Gas Filled Transformers, Add	*101,556.61*	
		For Single Phase Transformers, Deduct	*-4,231.53*	
		For Dry Type Unit, Add	*37,703.72*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	226,993.35	2,448.06
		For Gas Filled Transformers, Add	*133,258.35*	
		For Single Phase Transformers, Deduct	*-5,552.43*	
		For Dry Type Unit, Add	*49,351.01*	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	84,746.23	932.59
		For Gas Filled Transformers, Add	*49,728.63*	
		For Single Phase Transformers, Deduct	*-2,072.03*	
		For Dry Type Unit, Add	*18,420.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	87,912.24	990.88
		For Gas Filled Transformers, Add	*51,558.29*	
		For Single Phase Transformers, Deduct	*-2,148.26*	
		For Dry Type Unit, Add	*19,102.88*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	89,381.26	1,165.74
		For Gas Filled Transformers, Add	*52,229.87*	
		For Single Phase Transformers, Deduct	*-2,176.24*	
		For Dry Type Unit, Add	*19,384.10*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	98,665.76	1,282.31
		For Gas Filled Transformers, Add	*57,660.68*	
		For Single Phase Transformers, Deduct	*-2,402.53*	
		For Dry Type Unit, Add	*21,398.71*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	109,249.81	1,515.46
		For Gas Filled Transformers, Add	*63,731.33*	
		For Single Phase Transformers, Deduct	*-2,655.47*	
		For Dry Type Unit, Add	*23,671.25*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	126,593.74	1,748.61
		For Gas Filled Transformers, Add	*73,857.91*	
		For Single Phase Transformers, Deduct	*-3,077.41*	
		For Dry Type Unit, Add	*27,430.96*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	146,788.38	2,098.33
		For Gas Filled Transformers, Add	*85,555.03*	
		For Single Phase Transformers, Deduct	*-3,564.79*	
		For Dry Type Unit, Add	*31,789.84*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	173,923.97	2,331.48
		For Gas Filled Transformers, Add	*101,556.61*	
		For Single Phase Transformers, Deduct	*-4,231.53*	
		For Dry Type Unit, Add	*37,703.72*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	226,993.35	2,448.06
		For Gas Filled Transformers, Add	*133,258.35*	
		For Single Phase Transformers, Deduct	*-5,552.43*	
		For Dry Type Unit, Add	*49,351.01*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	249,489.11	2,564.63
		For Gas Filled Transformers, Add	*146,615.92*	
		For Single Phase Transformers, Deduct	*-6,109.00*	
		For Dry Type Unit, Add	*54,272.09*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	278,956.25	2,681.20
		For Gas Filled Transformers, Add	*164,156.31*	
		For Single Phase Transformers, Deduct	*-6,839.85*	
		For Dry Type Unit, Add	*60,726.89*	
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	322,339.72	2,797.77
		For Gas Filled Transformers, Add	*190,046.50*	
		For Single Phase Transformers, Deduct	*-7,918.60*	
		For Dry Type Unit, Add	*70,243.27*	

26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	94,339.20	1,049.16
		For Gas Filled Transformers, Add	*55,344.52*	
		For Single Phase Transformers, Deduct	*-2,306.02*	
		For Dry Type Unit, Add	*20,502.82*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	97,487.58	1,107.45
		For Gas Filled Transformers, Add	*57,163.60*	
		For Single Phase Transformers, Deduct	*-2,381.82*	
		For Dry Type Unit, Add	*21,181.48*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	104,050.74	1,282.31
		For Gas Filled Transformers, Add	*60,891.67*	
		For Single Phase Transformers, Deduct	*-2,537.15*	
		For Dry Type Unit, Add	*22,583.41*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	109,748.17	1,398.88
		For Gas Filled Transformers, Add	*64,170.24*	
		For Single Phase Transformers, Deduct	*-2,673.76*	
		For Dry Type Unit, Add	*23,808.87*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	125,056.21	1,632.03
		For Gas Filled Transformers, Add	*73,075.28*	
		For Single Phase Transformers, Deduct	*-3,044.80*	
		For Dry Type Unit, Add	*27,120.68*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	138,451.74	1,865.18
		For Gas Filled Transformers, Add	*80,832.82*	
		For Single Phase Transformers, Deduct	*-3,368.03*	
		For Dry Type Unit, Add	*30,011.74*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	161,581.24	2,214.91
		For Gas Filled Transformers, Add	*94,290.86*	
		For Single Phase Transformers, Deduct	*-3,928.79*	
		For Dry Type Unit, Add	*35,016.30*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	196,375.66	2,448.06
		For Gas Filled Transformers, Add	*114,887.74*	
		For Single Phase Transformers, Deduct	*-4,786.99*	
		For Dry Type Unit, Add	*42,615.11*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	238,313.74	2,564.63
		For Gas Filled Transformers, Add	*139,910.69*	
		For Single Phase Transformers, Deduct	*-5,829.61*	
		For Dry Type Unit, Add	*51,813.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	94,339.20	1,049.16
		For Gas Filled Transformers, Add	*55,344.52*	
		For Single Phase Transformers, Deduct	*-2,306.02*	
		For Dry Type Unit, Add	*20,502.82*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	97,487.58	1,107.45
		For Gas Filled Transformers, Add	*57,163.60*	
		For Single Phase Transformers, Deduct	*-2,381.82*	
		For Dry Type Unit, Add	*21,181.48*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	104,050.74	1,282.31
		For Gas Filled Transformers, Add	*60,891.67*	
		For Single Phase Transformers, Deduct	*-2,537.15*	
		For Dry Type Unit, Add	*22,583.41*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	109,748.17	1,398.88
		For Gas Filled Transformers, Add	*64,170.24*	
		For Single Phase Transformers, Deduct	*-2,673.76*	
		For Dry Type Unit, Add	*23,808.87*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	125,056.21	1,632.03
		For Gas Filled Transformers, Add	*73,075.28*	
		For Single Phase Transformers, Deduct	*-3,044.80*	
		For Dry Type Unit, Add	*27,120.68*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	120,824.98	1,865.18
		For Gas Filled Transformers, Add	*70,256.77*	
		For Single Phase Transformers, Deduct	*-2,927.37*	
		For Dry Type Unit, Add	*26,133.85*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	125,369.01	2,214.91
		For Gas Filled Transformers, Add	*72,563.52*	
		For Single Phase Transformers, Deduct	*-3,023.48*	
		For Dry Type Unit, Add	*27,049.61*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	154,886.82	2,448.06
		For Gas Filled Transformers, Add	*89,994.43*	
		For Single Phase Transformers, Deduct	*-3,749.77*	
		For Dry Type Unit, Add	*33,487.57*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	184,538.72	2,564.63
		For Gas Filled Transformers, Add	*107,645.68*	
		For Single Phase Transformers, Deduct	*-4,485.24*	
		For Dry Type Unit, Add	*39,983.01*	
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	206,764.52	2,681.20
		For Gas Filled Transformers, Add	*120,841.27*	
		For Single Phase Transformers, Deduct	*-5,035.05*	
		For Dry Type Unit, Add	*44,844.71*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	243,638.50	2,797.77
		For Gas Filled Transformers, Add	*142,825.77*	
		For Single Phase Transformers, Deduct	*-5,951.07*	
		For Dry Type Unit, Add	*52,929.00*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	300,097.77	2,914.34
		For Gas Filled Transformers, Add	*176,561.44*	
		For Single Phase Transformers, Deduct	*-7,356.73*	
		For Dry Type Unit, Add	*65,322.07*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001		Removal And Relocation Of Transformers *(26 12 13)*		
26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,226.16	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,256.48	
26 12 13 00-0004		Single Phase Oil Filled Distribution Transformers *(26 12 13)* Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.		
26 12 13 00-0005		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*		
26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,993.69	486.91
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,929.67	608.62
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	13,811.17	730.35
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	17,958.03	912.94
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	21,285.88	1,095.53
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	30,159.86	1,278.12
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	35,702.37	1,521.56
26 12 13 00-0013		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*		
26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,993.69	486.91
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,177.35	608.62
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,811.17	730.35
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	17,958.03	912.94
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,285.88	1,095.53
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	27,613.95	1,278.12
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	34,409.53	1,521.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0021		**Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,704.72	486.91
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	11,145.33	608.62
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,035.46	730.35
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	17,779.02	912.94
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	20,530.06	1,095.53
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	28,091.31	1,278.12
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	34,528.87	1,521.56
26 12 13 00-0029		**Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	11,046.35	486.91
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,528.24	608.62
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,658.43	730.35
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,004.19	912.94
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	24,145.52	1,095.53
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,438.32	1,278.12
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	43,160.71	1,521.56
26 12 13 00-0037		**Transformer Platforms** *(26 12 13 00-0004)*		
26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	5,287.72	822.25
26 12 13 00-0039		**Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN** *(26 12 13 00-0004)*		
26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,269.77	486.91
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,639.07	608.62
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,659.61	730.35
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	21,002.76	912.94
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	24,266.75	1,156.39
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,441.89	1,278.12
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	43,160.71	1,521.56
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	57,898.21	1,947.61
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	73,873.16	2,617.09
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	86,584.13	3,043.13
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	111,089.05	3,286.59
26 12 13 00-0051		**Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL** *(26 12 13 00-0004)*		
26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,993.69	596.21
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	11,929.67	745.20
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	13,810.68	893.34
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	17,959.21	1,119.51
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	21,284.75	1,341.05
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	30,158.33	1,561.85
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	35,702.37	1,863.13
26 12 13 00-0059		**Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN** *(26 12 13 00-0004)*		
26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,993.69	596.21
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	12,177.35	745.20
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,810.68	893.34
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	17,959.21	1,119.51
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,284.75	1,341.05
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	27,612.42	1,561.85
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	34,409.53	1,863.13
26 12 13 00-0067		**Primary 7.2 To 14.4 KV Ground Y** *(26 12 13 00-0004)*		
26 12 13 00-0068		**Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN** *(26 12 13 00-0067)*		
26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,822.69	486.91
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,267.05	608.62
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,653.43	730.35
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	14,025.14	912.94
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	17,670.79	1,095.53
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	28,820.83	1,278.12
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	33,065.64	1,521.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0076		Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*		
26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	7,165.94	486.91
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,441.43	608.62
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,278.15	730.35
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	13,274.57	912.94
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,638.77	1,095.53
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,068.01	1,278.12
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	29,312.83	1,521.56
26 12 16		**Dry-Type, Medium-Voltage Transformers** *(26 12)*		
26 12 16 00-0001		Removal and Relocation of Transformers *(26 12 16)*		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	483.78	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	2,150.14	
26 12 19		**Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** *(26 12)*		
26 12 19 00-0001		Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)* Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)* Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)* Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,525.92	582.87
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,528.98	699.45
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,666.55	816.02
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	39,504.55	874.30
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,991.67	932.59
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	58,869.18	1,224.03
26 12 19 00-0010		Factory Modifications Material Cost Only *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	5,593.47	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,877.20	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	6,464.92	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	31,340.97	582.87
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	35,100.18	582.87
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	37,548.87	798.53
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	47,230.40	798.53
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	53,080.00	1,049.16
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	63,563.86	1,049.16
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	103,757.60	1,457.18
26 12 19 00-0023		Factory Modifications Material Cost Only *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	7,457.96	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,889.64	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	5,877.20	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	9,565.65	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	2,553.54	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	2,209.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,089.67	582.87
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,029.88	582.87
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	37,189.33	798.53
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,056.64	798.53
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	57,621.85	1,049.16
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	71,602.78	1,049.28
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	90,957.76	1,457.18
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	22,590.94	415.91
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,803.24	584.88
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	42,770.28	935.81
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	77,736.87	935.81
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	107,458.18	1,533.68
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	145,281.68	1,533.68
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,859.10	441.91
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,836.70	441.91
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,200.26	623.87
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,140.64	623.87
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,593.99	844.82
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	75,867.84	1,299.74
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	105,994.51	1,299.74
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	143,022.37	1,624.66
26 12 19 00-0056		**7.2 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,859.10	441.91
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,837.45	441.91
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,200.26	623.87
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,140.64	623.87
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,593.99	844.82
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,957.88	1,143.76
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	75,867.84	1,143.76
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	105,994.51	1,442.70
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	143,022.37	1,624.66
26 12 19 00-0066		**2.4 KV Primary, 277 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,155.67	441.91
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,339.50	441.91
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,167.61	623.87
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	39,931.32	623.87
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	45,952.86	844.82
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	71,627.96	1,143.76
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	83,893.46	1,143.76
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	117,259.15	1,442.70
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	158,292.93	1,624.66
26 12 19 00-0076		**2.4 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,859.10	441.91
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,836.70	441.91
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,200.26	848.85
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,140.64	1,143.76
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,593.99	844.82
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,777.65	1,143.76
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	75,852.84	1,143.76
26 12 19 00-0084		**2.4 KV Primary, 240/480 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,859.10	441.91

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,836.70	441.91
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	28,200.26	623.87
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,140.64	623.87
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	41,593.99	844.82
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,777.65	1,143.76
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	75,852.84	1,143.76
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,289.78	454.90
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	19,805.59	506.89
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	24,308.40	558.89
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,642.49	779.84
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	33,989.98	909.82
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	47,799.43	1,065.78
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	57,800.90	1,221.74
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	92,022.07	1,559.68
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	128,914.82	1,754.64
26 12 19 00-0102		3 Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*		
26 12 19 00-0103		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt *(26 12 19 00-0102)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	36,476.13	1,704.15
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	46,202.27	1,825.88
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	61,521.66	2,312.79
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	80,488.57	2,921.41
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	120,365.38	3,286.59
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	150,818.60	4,382.12
26 12 19 00-0110		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 12 19)*		
26 12 19 00-0111		Distribution 3 Phase Oil Filled Transformer *(26 12 19 00-0110)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 12 19 00-0112		Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 95 KV BIL *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0113	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,740.27	1,398.88
26 12 19 00-0114	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	62,720.97	1,398.88
26 12 19 00-0115	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	71,846.63	2,413.08
26 12 19 00-0116	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	84,826.43	2,413.08
26 12 19 00-0117	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	95,136.97	3,613.79
26 12 19 00-0118	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	129,680.80	4,779.53
26 12 19 00-0119	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	172,729.00	6,061.85
26 12 19 00-0120	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 480 Y /277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	199,819.68	7,344.16
26 12 19 00-0121		Primary 4.16 / 4.8 KV, Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0122	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,740.27	1,398.88
26 12 19 00-0123	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	62,720.97	1,398.88
26 12 19 00-0124	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	71,846.63	2,413.08
26 12 19 00-0125	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	85,231.89	2,413.08
26 12 19 00-0126	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	96,203.48	3,613.79
26 12 19 00-0127	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	129,933.15	4,779.53
26 12 19 00-0128	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	194,050.51	6,061.85
26 12 19 00-0129	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 13.8 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	204,376.62	7,344.16
26 12 19 00-0130		Factory Modifications *(26 12 19 00-0111)* Note: For use with series 4100 3 phase transformers.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0131	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	4,266.07	
26 12 19 00-0132	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	693.71	
26 12 19 00-0133	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,774.84	
26 12 19 00-0134	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	7,994.47	
26 12 19 00-0135	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	979.35	
26 12 19 00-0136	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	775.32	

26 12 19 00-0137 Accessories For Transformer Liquid Containment Area *(26 12 19 00-0111)*

Note: Reinforced concrete curb with 6" slab.

26 12 19 00-0138	EA	Containment Area For 75 KVA	9,521.34	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,668.94*	
26 12 19 00-0139	EA	Containment Area For 112.5 KVA	9,521.34	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,668.94*	
26 12 19 00-0140	EA	Containment Area For 150 KVA	9,521.34	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,668.94*	
26 12 19 00-0141	EA	Containment Area For 225 KVA	9,521.34	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,668.94*	
26 12 19 00-0142	EA	Containment Area For 300 KVA	9,512.37	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,666.25*	
26 12 19 00-0143	EA	Containment Area For 500 KVA	9,512.37	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,666.25*	
26 12 19 00-0144	EA	Containment Area For 750 KVA	9,626.63	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,666.25*	
26 12 19 00-0145	EA	Containment Area For 1,000 KVA	11,283.37	2,503.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,666.25*	

26 12 19 00-0146 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL *(26 12 19 00-0111)*

Note: Rated to 5 KVA.

26 12 19 00-0147	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	24,741.38	1,398.88
26 12 19 00-0148	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,189.76	1,398.88
26 12 19 00-0149	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,822.02	1,398.88
26 12 19 00-0150	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	33,718.79	1,398.88
26 12 19 00-0151	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	35,474.27	2,098.33
26 12 19 00-0152	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	37,106.53	2,098.33
26 12 19 00-0153	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,693.61	2,098.33
26 12 19 00-0154	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	72,334.33	2,797.77
26 12 19 00-0155	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	93,553.68	2,797.77

26 12 19 00-0156 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL *(26 12 19 00-0111)*

Note: Rated to 5 KVA.

26 12 19 00-0157	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,557.51	1,398.88
26 12 19 00-0158	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,822.02	1,398.88
26 12 19 00-0159	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,638.15	1,398.88
26 12 19 00-0160	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	30,454.27	1,398.88
26 12 19 00-0161	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	35,474.27	2,098.33
26 12 19 00-0162	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	38,738.78	2,098.33
26 12 19 00-0163	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,693.61	2,098.33
26 12 19 00-0164	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	73,150.46	2,797.77
26 12 19 00-0165	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	93,553.68	2,797.77

26 12 19 00-0166 Primary 5 KV Or 15 KV, Secondary 277/480 Volt *(26 12 19 00-0110)*

Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.

26 12 19 00-0167	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	89,159.16	1,874.57
26 12 19 00-0168	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	97,020.29	2,212.97
26 12 19 00-0169	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	108,442.49	2,704.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0170	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	129,560.10	3,043.13
26 12 19 00-0171	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	160,516.80	3,203.20
26 12 19 00-0172	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	192,253.31	4,680.34
26 12 19 00-0173	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	226,830.77	5,295.06
26 12 19 00-0174	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	285,114.70	6,086.27
26 12 19 00-0175	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	316,296.11	6,390.59
26 12 19 00-0176	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	332,681.31	7,121.18
26 12 19 00-0177	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	383,780.42	7,608.08

26 12 19 00-0178 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 12 19 00-0110)*

26 12 19 00-0179	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	162,885.75	5,195.12
26 12 19 00-0180	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	201,352.52	5,974.41
26 12 19 00-0181	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	230,057.00	6,288.81
26 12 19 00-0182	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	243,583.89	7,028.71
26 12 19 00-0183	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	274,488.83	7,241.68

26 12 19 00-0184 Silicone Filled Distribution Transformers, 3 Phase *(26 12 19 00-0110)*

Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.

26 12 19 00-0185	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	156,491.53	2,212.97
26 12 19 00-0186	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	167,195.35	2,704.74
26 12 19 00-0187	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	196,182.04	3,043.13
26 12 19 00-0188	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	238,942.36	3,203.20
26 12 19 00-0189	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	284,339.23	4,680.34
26 12 19 00-0190	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	363,301.85	5,295.06
26 12 19 00-0191	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	442,761.56	6,086.27
26 12 19 00-0192	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	507,907.95	6,390.59

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	24,822.65	1,351.72
		For Weatherproofing, Add	*5,271.44*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	26,174.27	1,351.72
		For Weatherproofing, Add	*5,568.79*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,043.82	1,722.15
		For Weatherproofing, Add	*7,701.62*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	49,804.95	1,722.15
		For Weatherproofing, Add	*10,700.08*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	72,371.01	2,079.57
		For Weatherproofing, Add	*15,630.02*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	65,530.19	2,079.57
		For Weatherproofing, Add	*14,110.31*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	37,985.42	1,559.68
		For Weatherproofing, Add	*8,147.64*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	46,435.25	1,949.59
		For Weatherproofing, Add	*9,942.54*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	66,122.90	2,339.51
		For Weatherproofing, Add	*14,227.81*	

26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	36,317.83	1,559.68
		For Weatherproofing, Add	*7,763.60*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	50,612.67	1,559.68
		For Weatherproofing, Add	*10,871.07*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	74,946.35	2,079.57
		For Weatherproofing, Add	*16,181.86*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	45,635.73	2,079.57
		For Weatherproofing, Add	*9,751.03*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	67,464.96	2,599.46
		For Weatherproofing, Add	*14,516.19*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	95,575.25	2,599.46
		For Weatherproofing, Add	*20,661.17*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	64,660.21	2,599.46
		For Weatherproofing, Add	*13,888.28*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	90,849.69	2,599.46
		For Weatherproofing, Add	*19,612.52*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	118,726.30	2,599.46
		For Weatherproofing, Add	*25,709.96*	

26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,704.17	851.32
		For Weatherproofing, Add	*2,235.52*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	14,368.45	851.32
		For Weatherproofing, Add	*3,041.66*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,222.17	1,130.77
		For Weatherproofing, Add	*3,190.92*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,863.85	1,397.21
		For Weatherproofing, Add	*3,954.39*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	26,280.06	1,397.21
		For Weatherproofing, Add	*5,585.95*	

26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,733.71	1,299.74
		For Weatherproofing, Add	*2,885.42*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,015.84	1,299.74
		For Weatherproofing, Add	*3,789.19*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	28,166.09	1,299.74
		For Weatherproofing, Add	*5,984.46*	

26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,990.12	1,104.77
		For Weatherproofing, Add	*2,923.88*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,050.60	1,104.77
		For Weatherproofing, Add	*3,157.19*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	21,927.65	1,364.72
		For Weatherproofing, Add	*4,632.14*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,808.08	1,637.67
		For Weatherproofing, Add	*3,908.03*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	23,805.53	1,637.67
		For Weatherproofing, Add	*5,007.47*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	27,318.96	1,910.60
		For Weatherproofing, Add	*5,741.79*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	24,899.58	2,183.55
		For Weatherproofing, Add	*5,171.57*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	28,323.98	2,183.55
		For Weatherproofing, Add	*5,924.94*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	35,309.27	2,443.50
		For Weatherproofing, Add	*7,423.41*	

26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections *(26 13 16 00-0001)*

26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	6,300.33	823.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*494.20*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	8,078.70	913.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*548.41*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	10,708.71	1,099.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*659.76*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,093.99	1,653.65
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	9,446.00	103.05
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,682.81	103.05
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	23,388.12	103.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	18,338.39	103.05
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	20,037.52	103.05
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	27,346.10	103.05
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,171.77	103.05
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,740.71	103.05
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	7,302.48	103.05
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	4,603.86	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,682.27	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,682.27	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0060	EA	Indicating Wattmeter	2,580.27	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0061	EA	Indicating Varmeter	3,078.48	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,860.64	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	3,337.73	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	8,920.12	103.05
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	1,077.96	103.05
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	5,887.82	103.05

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	95,482.23	1,624.66
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	105,268.07	2,053.58
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	119,437.91	2,053.58
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	109,783.23	1,624.66
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	123,853.22	1,624.66
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	141,105.78	1,910.60
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	145,229.62	2,183.55
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	159,371.06	2,183.55
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	174,025.32	2,456.50

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	30,173.32	1,030.13
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	47,020.44	1,557.47
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	63,610.17	1,913.11
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	107,278.75	2,219.70
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	138,345.60	2,526.29

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,328.11	312.72
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,401.70	312.72
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,155.47	459.88
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	29,077.85	459.88
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	48,818.47	674.49

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	10,651.73	349.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*199.85*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	13,420.41	349.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.61*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	17,331.97	539.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.25*	

26 13 29 00-0018 Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	6,040.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	4,639.31	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	15,294.87	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	15,294.87	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	20,318.59	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	26,399.92	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	11,243.10	117.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.50*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	30,574.30	1,740.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,044.45*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	6,781.00	103.05
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	8,011.95	103.05
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	4,289.48	51.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.92*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	33,230.41	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	4,077.95	51.52

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*
Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	100,577.06	874.30
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	113,198.77	874.30

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001 Primary Fuse Cutouts *(26 19 18)*
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes the fuse and cutout switch.

26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	757.52	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	887.50	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.96*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,017.03	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.82*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,039.64	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.96*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	1,039.64	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.96*	

26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	757.52	259.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	

26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	787.49	259.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	

26 19 18 00-0013 Fuseholders *(26 19 18 00-0002)*
Note: Including current limiting fuse.

26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	631.21	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	761.19	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.96*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	890.72	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.82*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	641.59	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	771.57	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.96*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	631.21	259.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	

26 19 18 00-0020 Accessories *(26 19 18 00-0002)*

26 19 18 00-0021	EA	Hot Line Clamp	95.90	29.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.49*	
26 19 18 00-0022	EA	Stirrup	105.42	29.24

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0023		Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024		8.3 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	990.87	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,120.85	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.96*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,250.38	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.82*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,294.74	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.96*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,294.74	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.96*	
26 19 18 00-0030		17.1 KV-95 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	990.87	259.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0032		17.1 KV-125 KV BIL Loadbreak Current Limiting *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	990.87	259.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0034		Fuseholders *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	641.92	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	771.90	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.96*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	901.43	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.82*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	641.92	324.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*155.97*	
26 19 18 00-0039		Pole Mounted Capacitors *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,854.06	262.03
26 19 80		**Transmission and Distribution Accessories** *(26 19)*		
26 19 80 60		**Structure Assemblies** *(26 19 80)*		
26 19 80 60-0001		Pole Structure Assemblies *(26 19 80 60)*		
26 19 80 60-0002		5 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	537.57	246.95
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	897.50	415.91
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,068.79	324.93
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	617.92	168.96
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	776.75	233.96
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,339.41	467.90
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,056.76	350.93
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,908.83	701.86
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,172.95	792.83
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,198.74	389.92
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	991.69	415.91
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,841.89	844.82
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,446.75	506.89
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	889.06	363.93
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,650.69	740.85
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,339.61	376.92
26 19 80 60-0019		15 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	567.54	246.95
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	940.31	415.91
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,214.37	324.93
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	669.30	168.96
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	849.53	220.96
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,484.99	467.90
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,163.80	350.93
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,127.19	701.86
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,468.38	792.83
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,344.32	389.92
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,047.35	415.91
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,897.55	844.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,558.07	506.89
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	944.72	350.93
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,706.35	740.85
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,450.93	454.90
26 19 80 60-0036		25 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,853.83	389.92
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,149.20	194.96
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,663.42	298.94
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,115.63	610.88
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,060.96	454.90
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,267.42	896.81
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,065.71	1,013.79
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,184.13	591.38
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,888.05	591.38
26 19 80 60-0046		50 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,490.19	532.89
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,362.11	272.95
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,692.83	428.91
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,163.03	870.82
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,430.08	649.87
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,650.35	1,299.74
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,534.33	1,442.70
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,833.65	701.86
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,819.22	812.33
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,723.66	766.84
26 19 80 60-0057		Overhead To Underground Conversion Structures *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		5 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,711.56	2,599.46
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,711.56	2,599.46
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,711.56	2,599.46
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,711.56	2,599.46
26 19 80 60-0063		15 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,913.02	2,599.46
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,913.02	2,599.46
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,913.02	2,599.46
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,913.02	2,599.46
26 19 80 60-0068		25 KV Structures *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,132.79	2,599.46
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,132.79	2,599.46
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,132.79	2,599.46
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	6,132.79	2,599.46
26 19 80 60-0073		Transformer Stations *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		5 KV Station *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	9,388.22	3,464.10
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	10,519.28	3,898.42
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	11,650.35	4,332.44
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	11,650.35	4,332.44
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	9,388.22	3,464.10
26 19 80 60-0080		15 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	9,699.58	3,464.10
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	10,830.65	3,898.42
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	11,961.72	4,332.44
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	11,961.72	4,332.44
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	9,699.58	3,464.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	10,039.26	3,464.10
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	11,170.32	3,898.42
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	12,301.39	4,332.44
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	12,301.39	4,332.44
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	10,039.26	3,464.10

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	8.56	3.10
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.42	3.66
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.53	4.13
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	17.10	5.20
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	10.61	3.66
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.28	4.13
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.64	5.20
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	19.86	6.34
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	25.75	8.38
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	33.25	10.40
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	46.40	12.37
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	12.33	4.13
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.63	5.20
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	20.26	6.66
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	26.90	8.38
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	30.01	9.29
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	35.16	10.40
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	41.17	12.37
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	53.78	13.68
26 21 13 00-0025		Weatherproof Conduit Hubs *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	53.17	19.86
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	60.74	22.56
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	71.31	25.27
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	100.62	33.84
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	111.19	36.55
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	147.63	42.41
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	200.34	47.82
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	263.13	56.40
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	455.46	112.80
26 21 13 00-0035		Galvanized Threaded Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	61.91	19.86
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	71.21	22.56
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	82.08	25.27
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	110.41	33.84
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	126.53	36.55
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	171.71	42.41
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	311.76	47.82
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	353.00	56.40
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	560.87	112.80
26 21 13 00-0045		Aluminum Clamp-On Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	59.23	19.86
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	66.70	22.56
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	75.99	25.15
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	100.76	33.84
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	113.50	36.55
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	134.49	42.41
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	241.95	47.82
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	317.90	56.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	442.49	84.60
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	519.09	112.80
26 21 13 00-0056		Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	54.97	19.86
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	62.95	22.56
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	71.60	25.15
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	95.32	33.84
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	103.92	36.55
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	128.21	42.41
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	221.69	47.82
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	247.55	56.40
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	429.29	84.60
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	595.96	112.80

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*
Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,634.45	1,155.33
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	5,379.04	1,223.31
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,467.65	1,299.74
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,846.74	1,299.74
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,779.83	1,386.43
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	10,466.62	1,599.72
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	12,740.62	2,079.57

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,687.85	290.34
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,382.36	348.41
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,136.33	363.51
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,897.22	377.45
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,738.45	406.48
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,917.54	435.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*302.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*453.49*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,602.91	464.55
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*333.69*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*500.54*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,266.58	522.62
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*311.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*466.60*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,731.59	580.68
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*378.51*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*567.77*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,655.16	696.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*513.08*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*769.61*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,897.68	812.96
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*663.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*995.38*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,104.17	1,045.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,100.69*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,651.03*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,317.15	1,277.51
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,088.11*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,132.16*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,280.45	1,451.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,368.85*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,053.28*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,867.10	348.41
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,310.67	362.93
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,974.27	377.45
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,568.10	406.48

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0022		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,219.86	435.51
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,936.60	464.55
26 22 13 00-0025		**208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0026	EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,374.53	261.31
26 22 13 00-0027	EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,571.29	290.34
26 22 13 00-0028	EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,119.58	319.38
26 22 13 00-0029	EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,484.15	348.41
26 22 13 00-0030	EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,827.55	363.51
26 22 13 00-0031	EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,291.90	377.45
26 22 13 00-0032	EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,353.93	406.48
26 22 13 00-0033	EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,129.98	435.51
26 22 13 00-0034		**1 Phase Mounting Brackets** *(26 22 13 00-0001)*		
26 22 13 00-0035	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	603.23	206.10
26 22 13 00-0036		**1 Phase Weathershields** *(26 22 13 00-0001)*		
		Note: Use with types DT-3 and DS-3.		
26 22 13 00-0037	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	217.81	
26 22 13 00-0038	EA	50 KVA 1 Phase Weathershields, Set Of 2	277.64	
26 22 13 00-0039	EA	75 KVA 1 Phase Weathershields, Set Of 2	331.08	
26 22 13 00-0040	EA	100 KVA 1 Phase Weathershields, Set Of 2	394.97	
26 22 13 00-0041	EA	167 KVA 1 Phase Weathershields, Set Of 2	534.37	
26 22 13 00-0042	EA	250 KVA 1 Phase Weathershields, Set Of 2	638.92	
26 22 13 00-0043	EA	333 KVA 1 Phase Weathershields, Set Of 2	784.13	
26 22 13 00-0044		**Packaged Power Supply** *(26 22 13 00-0001)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,928.07	362.93
26 22 13 00-0046	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,499.19	377.45
26 22 13 00-0047	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,880.15	406.48
26 22 13 00-0048	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	6,149.79	435.51
26 22 13 00-0049	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,802.80	464.55
26 22 13 00-0050		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		
26 22 13 00-0051	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	2,933.09	261.31
26 22 13 00-0052	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,327.07	290.34
26 22 13 00-0053	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,024.06	348.41
26 22 13 00-0054	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,604.89	362.93
26 22 13 00-0055	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	6,389.00	377.45
26 22 13 00-0056	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	8,421.92	406.48
26 22 13 00-0057	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	11,140.22	435.51
26 22 13 00-0058		**600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0059	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,941.84	435.51
26 22 13 00-0060	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,433.14	464.55
26 22 13 00-0061	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,970.54	493.58
26 22 13 00-0062	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,041.88	522.62
26 22 13 00-0063	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,807.66	551.66
26 22 13 00-0064	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	28,092.87	580.68
26 22 13 00-0065		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)*		
		Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066		**Packaged Power Supply** *(26 22 13 00-0065)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	17,845.82	1,248.47
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*767.44*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,151.16*	
26 22 13 00-0068	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	21,691.69	1,335.58
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*951.03*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,426.54*	
26 22 13 00-0069	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	26,241.35	1,451.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,166.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,750.34*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0070		**Drive Isolation Transformers** *(26 22 13 00-0065)* Note: Only use in step-up applications.		
26 22 13 00-0071		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0072	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	11,648.29	464.55
26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	13,711.19	493.58
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,170.23	522.62
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	16,831.90	551.66
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,359.70	609.72
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,090.40	667.79
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	21,633.73	725.86
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	25,224.17	812.96
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	27,361.93	842.00
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	31,755.78	871.03
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	40,276.93	900.06
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	45,061.97	1,103.30
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	50,379.99	1,161.38
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	57,900.65	1,219.44
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	70,688.25	1,451.72
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	94,007.19	1,713.02
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	99,092.37	1,887.23
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	121,028.10	2,090.47
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	149,816.97	2,322.75
26 22 13 00-0091		**208V Drive Isolation Transformers** *(26 22 13 00-0070)*		
26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	12,193.89	464.55
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,358.85	493.58
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	14,838.29	522.62
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	17,632.49	551.66
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	18,181.24	609.72
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	19,936.05	638.75
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	22,719.06	754.89
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	26,425.32	812.96
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	28,668.94	842.00
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	33,283.48	871.03
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	42,235.41	900.06
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	47,243.31	1,103.30
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	52,826.11	1,161.38
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	60,723.65	1,219.44
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers	74,138.51	1,451.72
26 22 13 00-0107		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps** *(26 22 13 00-0065)*		
26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,942.64	479.07
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,628.84	522.62
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*479.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*718.77*	
26 22 13 00-0110		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps** *(26 22 13 00-0065)*		
26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,804.84	638.75
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*526.37*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*789.55*	
		For K4 Factor Rating, Add	*7,369.13*	
		For K13 Factor Rating, Add	*10,527.33*	
		For K20 Factor Rating, Add	*13,685.53*	
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,406.00	696.83
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*650.62*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*975.93*	
		For K4 Factor Rating, Add	*9,108.65*	
		For K13 Factor Rating, Add	*13,012.36*	
		For K20 Factor Rating, Add	*16,916.07*	
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,006.92	754.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*674.86*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,012.28*	
		For K4 Factor Rating, Add	*9,447.99*	
		For K13 Factor Rating, Add	*13,497.13*	
		For K20 Factor Rating, Add	*17,546.27*	
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,073.50	812.96
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*922.38*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,383.57*	
		For K4 Factor Rating, Add	*12,913.31*	
		For K13 Factor Rating, Add	*18,447.58*	
		For K20 Factor Rating, Add	*23,981.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	19,651.88	871.03
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*895.49*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,343.24*	
		For K4 Factor Rating, Add	*12,536.87*	
		For K13 Factor Rating, Add	*17,909.82*	
		For K20 Factor Rating, Add	*23,282.77*	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,542.50	1,045.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,122.60*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,683.90*	
		For K4 Factor Rating, Add	*15,716.42*	
		For K13 Factor Rating, Add	*22,452.03*	
		For K20 Factor Rating, Add	*29,187.64*	
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	32,265.99	1,161.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,497.16*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,245.74*	
		For K4 Factor Rating, Add	*20,960.27*	
		For K13 Factor Rating, Add	*29,943.24*	
		For K20 Factor Rating, Add	*38,926.21*	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,275.62	1,451.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,068.61*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,102.91*	
		For K4 Factor Rating, Add	*28,960.53*	
		For K13 Factor Rating, Add	*41,372.19*	
		For K20 Factor Rating, Add	*53,783.85*	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	53,905.77	1,800.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,515.28*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,772.91*	
		For K4 Factor Rating, Add	*35,213.86*	
		For K13 Factor Rating, Add	*50,305.51*	
		For K20 Factor Rating, Add	*65,397.16*	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	78,077.48	2,206.61
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,683.21*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,524.82*	
		For K4 Factor Rating, Add	*51,564.98*	
		For K13 Factor Rating, Add	*73,664.26*	
		For K20 Factor Rating, Add	*95,763.54*	
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	185,026.31	2,681.20
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*8,984.20*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*13,476.30*	
		For K4 Factor Rating, Add	*125,778.79*	
		For K13 Factor Rating, Add	*179,683.99*	
		For K20 Factor Rating, Add	*233,589.19*	
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	245,032.78	2,903.43
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*11,961.30*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*17,941.94*	
		For K4 Factor Rating, Add	*167,458.14*	
		For K13 Factor Rating, Add	*239,225.91*	
		For K20 Factor Rating, Add	*310,993.68*	

26 22 13 00-0123 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,343.75	450.03
		For K4 Factor Rating, Add	*3,810.58*	
		For K13 Factor Rating, Add	*5,443.69*	
		For K20 Factor Rating, Add	*7,076.80*	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,942.64	479.07
		For K4 Factor Rating, Add	*4,889.16*	
		For K13 Factor Rating, Add	*6,984.51*	
		For K20 Factor Rating, Add	*9,079.86*	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	10,628.84	522.62
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*479.18*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*718.77*	
		For K4 Factor Rating, Add	*6,708.52*	
		For K13 Factor Rating, Add	*9,583.60*	
		For K20 Factor Rating, Add	*12,458.68*	

26 22 13 00-0127 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0128	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	21,316.71	638.75
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,001.96*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,502.94*	
		For K4 Factor Rating, Add	*14,027.44*	
		For K13 Factor Rating, Add	*20,039.20*	
		For K20 Factor Rating, Add	*26,050.96*	
26 22 13 00-0129	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	23,809.43	754.89
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,114.98*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,672.47*	
		For K4 Factor Rating, Add	*15,609.75*	
		For K13 Factor Rating, Add	*22,299.64*	
		For K20 Factor Rating, Add	*28,989.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0130	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	35,657.16	871.03
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,695.76*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,543.63*	
		For K4 Factor Rating, Add	*23,740.57*	
		For K13 Factor Rating, Add	*33,915.10*	
		For K20 Factor Rating, Add	*44,089.63*	
26 22 13 00-0131	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,869.56	1,045.24
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,138.95*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,208.43*	
		For K4 Factor Rating, Add	*29,945.36*	
		For K13 Factor Rating, Add	*42,779.09*	
		For K20 Factor Rating, Add	*55,612.82*	
26 22 13 00-0132	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	54,253.66	1,161.38
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,596.55*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,894.82*	
		For K4 Factor Rating, Add	*36,351.64*	
		For K13 Factor Rating, Add	*51,930.91*	
		For K20 Factor Rating, Add	*67,510.18*	
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	69,624.58	1,451.72
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,336.06*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,004.09*	
		For K4 Factor Rating, Add	*46,704.81*	
		For K13 Factor Rating, Add	*66,721.15*	
		For K20 Factor Rating, Add	*86,737.50*	
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	84,578.28	1,800.13
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*4,048.90*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*6,073.35*	
		For K4 Factor Rating, Add	*56,684.61*	
		For K13 Factor Rating, Add	*80,978.02*	
		For K20 Factor Rating, Add	*105,271.43*	
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	137,415.27	2,206.61
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*6,650.10*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*9,975.15*	
		For K4 Factor Rating, Add	*93,101.44*	
		For K13 Factor Rating, Add	*133,002.05*	
		For K20 Factor Rating, Add	*172,902.67*	

26 22 13 00-0136 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	9,858.43	522.62
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	15,238.07	638.75
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	22,768.11	754.89
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	29,299.14	871.03
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	44,598.64	1,045.24
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	54,490.71	1,161.38
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	63,148.03	1,451.72
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	101,417.30	1,800.13

26 22 13 00-0146 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	11,627.83	522.62
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	18,031.87	638.75
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	27,018.07	754.89
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	34,802.09	871.03
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	53,098.58	1,045.24
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	64,929.38	1,161.38
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	75,195.25	1,451.72
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	120,982.40	1,800.13

26 22 13 00-0155 NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0156 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)*

Note: Two taps at 2.5%, four at -2.5%.

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0157			150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0158		EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,468.80	524.58
26 22 13 00-0159		EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,231.53	641.15
26 22 13 00-0160		EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,099.11	757.73
26 22 13 00-0161		EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,826.47	874.30
26 22 13 00-0162		EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,116.21	1,049.16
26 22 13 00-0163		EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,321.23	1,165.74
26 22 13 00-0164		EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,997.84	1,457.18
26 22 13 00-0165		EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,078.89	1,806.89
26 22 13 00-0166			115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0167		EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,196.80	524.58
26 22 13 00-0168		EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,113.36	641.15
26 22 13 00-0169		EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,174.45	757.73
26 22 13 00-0170		EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,350.07	874.30
26 22 13 00-0171		EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,688.81	1,049.16
26 22 13 00-0172		EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,018.16	1,165.74
26 22 13 00-0173		EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,623.13	1,457.18
26 22 13 00-0174		EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	26,318.42	1,806.89
26 22 13 00-0175			80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0176		EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,921.86	524.58
26 22 13 00-0177		EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,997.64	641.15
26 22 13 00-0178		EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,249.80	757.73
26 22 13 00-0179		EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,871.23	874.30
26 22 13 00-0180		EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,672.92	1,049.16
26 22 13 00-0181		EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,715.08	1,165.74
26 22 13 00-0182		EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	22,248.43	1,457.18
26 22 13 00-0183		EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	31,557.95	1,806.89
26 22 13 00-0184			Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)* Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0185			150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0186		EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,679.35	524.58
26 22 13 00-0187		EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,703.70	641.15
26 22 13 00-0188		EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,889.71	757.73
26 22 13 00-0189		EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,364.17	874.30
26 22 13 00-0190		EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,702.31	1,049.16
26 22 13 00-0191		EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	15,909.19	1,165.74
26 22 13 00-0192		EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	21,163.29	1,457.18
26 22 13 00-0193		EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	29,992.70	1,806.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0194		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,404.41	524.58
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,587.98	641.15
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,965.06	757.73
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,887.79	874.30
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,562.76	1,049.16
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,871.92	1,165.74
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,640.43	1,457.18
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	39,665.87	1,806.89
26 22 13 00-0203		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0204	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,131.92	524.58
26 22 13 00-0205	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,472.25	641.15
26 22 13 00-0206	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,040.39	757.73
26 22 13 00-0207	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,408.93	874.30
26 22 13 00-0208	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,663.87	1,049.16
26 22 13 00-0209	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,371.70	1,165.74
26 22 13 00-0210	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	32,115.11	1,457.18
26 22 13 00-0211	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,391.67	1,806.89
26 22 13 00-0212		3 Phase Weathershields *(26 22 13 00-0065)* Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	2,328.17	
26 22 13 00-0214	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,953.66	
26 22 13 00-0215	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,953.66	
26 22 13 00-0216		Three Phase Mounting Brackets *(26 22 13 00-0065)*		
26 22 13 00-0217	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,655.02	206.10
26 22 13 00-0218		Foam Core Poly Transformer Pads *(26 22 13)*		
26 22 13 00-0219	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	581.12	39.77

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0002		Incoming Service Section Main Device Only *(26 24 13 00-0001)* Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,940.77	986.66
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,361.16	1,043.63
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,035.03	1,183.84
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,578.10	1,269.11
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,147.74	1,353.15
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,544.63	1,438.77
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,767.51	986.66
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,103.51	1,043.63
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,502.36	1,184.85
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,624.58	1,269.11
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,147.74	1,354.51
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,544.63	1,438.77
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	16,274.33	1,504.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	18,447.64	1,611.47
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	21,772.63	1,737.13
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,678.90	874.20
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,958.70	930.71
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,389.04	1,071.37
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,653.45	1,116.38
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,889.49	1,156.66
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,261.32	1,240.13
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,607.32	1,325.18
26 24 13 00-0025		**Branch Breaker Units** *(26 24 13 00-0001)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	337.11	34.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.64*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	493.99	54.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.49*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,325.99	98.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.22*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,353.37	128.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.15*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,193.42	315.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.47*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	6,710.53	315.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.47*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	10,880.57	562.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.73*	
26 24 13 00-0033		**Fusible Switch Type 480 Volt, 3 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0034		**Incoming Service Section Main Device Only** *(26 24 13 00-0033)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,578.30	1,280.28
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,230.19	1,280.28
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	9,223.01	1,663.80
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,450.34	1,663.80
26 24 13 00-0039		**Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire** *(26 24 13)*		
26 24 13 00-0040		**Incoming Service Section Main Device Only** *(26 24 13 00-0039)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,545.98	874.20
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,947.52	930.71
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,041.77	1,071.37
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,564.23	1,155.75
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,330.79	874.20
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	5,466.83	930.71
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	7,671.77	1,071.37
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	11,009.82	1,155.75
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	12,924.32	1,297.20
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,485.25	761.29
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,784.45	817.91
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,268.68	958.58
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,518.05	1,003.58
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,759.27	1,043.63
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,079.10	1,116.38
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,391.84	1,183.84
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,451.64	1,466.40
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,101.52	1,607.40
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,176.57	1,734.30
26 24 13 00-0060		**Branch Breaker Units** *(26 24 13 00-0039)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	181.53	29.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.93*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	288.43	49.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.78*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	876.61	69.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.63*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,517.57	89.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.47*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	3,967.59	217.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.28*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	5,637.83	217.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.28*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	9,297.77	414.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*248.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,942.15	986.66
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,359.62	1,043.63
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,033.04	1,183.84
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,575.82	1,269.11
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	12,142.54	1,353.15
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,544.63	1,438.77
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,768.89	986.66
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,101.97	1,043.63
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,502.36	1,184.85
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	11,622.30	1,269.11
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,145.13	1,354.51
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,544.63	1,438.77
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,809.80	874.20
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,140.90	930.71
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,662.18	1,071.37
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,939.92	1,116.38
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,208.32	1,156.66
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,568.01	1,240.13
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,932.71	1,325.18
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,854.66	1,505.88
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,477.06	1,611.35
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,645.42	1,731.48
26 24 13 00-0092		**Branch Breaker Units** *(26 24 13 00-0068)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	337.11	34.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.64*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	493.99	54.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.49*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,325.99	98.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.22*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,353.37	128.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.15*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,193.42	315.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.47*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	6,710.53	315.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.47*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	10,880.57	562.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.73*	
26 24 13 00-0100		**Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0101		**Incoming Service Section Main Device Only** *(26 24 13 00-0100)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,111.09	1,353.15
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,609.30	1,438.77
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,972.71	1,605.93
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,714.72	1,719.52
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,514.69	1,353.15
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	8,755.26	1,438.77
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,919.96	1,607.74
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,523.07	1,719.52
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,103.30	1,833.57
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,562.11	1,947.50
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,809.80	874.20
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,140.90	930.71
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,662.18	1,071.37
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,939.92	1,116.38
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,208.32	1,156.66
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,568.01	1,240.13
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,932.71	1,325.18
26 24 13 00-0119		**Branch Breaker Units** *(26 24 13 00-0100)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	697.66	34.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.64*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	804.22	54.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.49*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,458.47	98.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*59.22*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,353.37	128.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	5,638.95	315.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.47*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	5,768.08	315.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*189.47*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	9,255.61	562.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*337.73*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	719.04	88.55
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	716.53	88.55
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	716.53	88.55
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,124.48	116.75
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,124.48	116.75
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	822.44	86.86
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,199.04	86.86
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,081.95	234.06

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	921.36	99.83
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	918.85	99.83
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	918.85	99.83
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,384.10	133.67
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,384.10	133.67
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	996.08	98.13
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,610.00	98.13
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,127.51	262.03
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	5,894.14	335.70
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	10,969.98	454.81

26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,301.52	99.83
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,298.98	99.83
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,301.52	99.83
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,957.70	133.67
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,000.15	133.67
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,258.44	174.84
		For Electrical Interlock Kit, Add	*293.16*	

26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,405.53	98.13
		For Electrical Interlock Kit, Add	*293.16*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,129.81	98.13
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,181.90	262.03
		For Electrical Interlock Kit, Add	*280.84*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	6,293.23	335.70
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	10,969.98	454.81

26 24 13 00-0163 Service And Distribution Structures *(26 24 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0164		**Distribution Section 600 Volt, 250 Volt DC** *(26 24 13 00-0163)*		
26 24 13 00-0165		**600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,631.70	1,037.76
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,138.30	1,037.76
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,494.96	1,319.76
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,859.37	1,319.76
26 24 13 00-0170		**800 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,963.33	1,201.32
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,455.53	1,201.32
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,859.37	1,488.96
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,186.73	1,488.96
26 24 13 00-0175		**1,200 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,476.61	1,466.40
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,981.12	1,466.40
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,410.54	1,804.81
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,890.14	1,804.81
26 24 13 00-0180		**1,600 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,288.30	1,607.40
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,891.40	1,607.40
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,402.01	1,985.29
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,819.79	1,985.29
26 24 13 00-0185		**2,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,497.42	1,613.04
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,149.65	1,816.08
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,257.40	1,816.08
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,478.75	1,917.60
26 24 13 00-0190		**3,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,174.10	1,816.08
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,280.25	1,816.08
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,501.60	1,917.60
26 24 13 00-0194		**4,000 Amperes, 4 Wire, Main Bus** *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,318.71	1,917.60
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,501.60	1,917.60
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,581.53	1,917.60
26 24 13 00-0198		**Pull Boy, Horizontal Mounted Across Top Of Switch Board** *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	556.91	135.36
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	627.97	135.36
26 24 13 00-0201	EA	Cable Supports In Pull Box	223.49	33.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.80*	
26 24 13 00-0202		**Underground Pull Sections** *(26 24 13 00-0164)* Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	541.12	157.93
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	933.75	203.04
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	933.75	203.04
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	700.27	157.93
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,000.38	231.24
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,142.48	231.24
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,198.50	298.92
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,266.75	298.92
26 24 13 00-0211		**Switchboard Sections** *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,342.45	939.96
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,755.74	1,021.75
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	5,965.75	1,305.55
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,524.32	1,424.21
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,957.91	1,516.15
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,146.52	824.57
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	2,951.35	783.28
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,269.04	849.39
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	9,841.15	939.96
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	10,524.97	942.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	11,535.98	1,052.20
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	166.21	56.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.45*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	202.72	57.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.69*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	927.45	67.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.67*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,534.66	146.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.08*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	613.28	203.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.50*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,719.73	117.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.67*	
26 24 13 00-0229		**Switchboard, Structure Per Section Copper, 480 Volt** *(26 24 13 00-0163)*		
26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,251.26	489.55
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,200.07	662.02
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,594.23	805.73
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,540.15	1,128.00
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,626.85	1,410.00
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,192.23	1,410.00
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,653.59	1,880.04
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,737.67	1,880.04
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	10,276.58	2,238.07
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	12,271.38	2,238.07
26 24 13 00-0240		**Main Devices** *(26 24 13)*		
26 24 13 00-0241		**Power Circuit Breakers** *(26 24 13 00-0240)*		
26 24 13 00-0242		**DSL Breaker With Current Limiters And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	7,867.19	1,184.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*709.14*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	14,344.55	1,974.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,183.22*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	32,237.74	3,316.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,972.03*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	51,943.60	5,369.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,279.07*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	2,714.71	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	350.60	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	459.96	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	331.30	
26 24 13 00-0251		**DSL Breaker Electrical Operated And Amptector** *(26 24 13 00-0241)*		
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	9,209.38	1,240.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*748.01*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	17,093.08	2,086.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,245.95*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	36,202.67	3,440.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,073.53*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	55,938.41	5,640.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,467.22*	
26 24 13 00-0256		**DS Breakers With Amptector Static Trip, Manually Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	6,270.24	1,082.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*650.77*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	11,462.00	1,816.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,084.62*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	17,008.33	3,045.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,807.70*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	29,342.53	4,906.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,010.68*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	47,760.84	8,008.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5,005.92*	
26 24 13 00-0262		**DS Breakers With Amptector Static Trip, Electrically Operated** *(26 24 13 00-0241)*		
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	7,382.59	1,037.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*620.69*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	13,765.91	1,737.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,034.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	19,627.80	2,887.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,726.53*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	32,396.70	4,703.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,877.55*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	50,691.60	8,065.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,806.83*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	2,689.42	947.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*545.81*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,913.66	947.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*593.69*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,340.36	1,128.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*650.77*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,153.16	1,128.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*705.00*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	7,622.01	1,353.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*772.61*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	12,280.82	1,353.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*854.55*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	347.38	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	80.41	

26 24 13 00-0277 Switchboard Branch Breaker 480 Volt *(26 24 13 00-0240)*

26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	554.17	81.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.04*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	654.29	108.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.08*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	1,884.21	163.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.03*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,490.02	204.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*122.96*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,015.21	274.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*164.91*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,642.53	352.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.50*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	5,857.28	537.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*322.29*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	5,857.28	537.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*322.29*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	8,215.12	752.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*451.20*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	10,260.54	1,128.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*676.80*	

26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,646.22	489.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.75*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	6,739.30	536.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*321.68*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,278.48	805.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*483.43*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	12,436.68	1,128.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*676.80*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	12,676.26	1,247.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*748.67*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	16,765.01	2,238.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,342.86*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	669.69	40.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	671.97	50.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,644.36	60.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,388.77	78.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,373.88	97.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.97*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,424.98	113.93
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.14*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,775.19	128.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	460.33	30.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	590.79	40.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,642.98	50.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,614.12	56.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.22*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,755.91	73.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.07*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,272.84	106.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.06*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	419.75	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	606.31	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	714.06	
26 24 13 00-0316		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0317	EA	AC Voltmeter	572.53	
26 24 13 00-0318	EA	AC Ammeter	572.53	
26 24 13 00-0319	EA	AC Wattmeter	1,529.44	
26 24 13 00-0320	EA	Variometer	1,727.25	
26 24 13 00-0321	EA	Power Factor Meter	1,379.87	
26 24 13 00-0322	EA	Frequency Meter	1,523.00	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	514.64	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	1,937.93	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,242.21	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,127.79	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	73.43	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	3,910.93	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,197.11	321.48
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,361.90	321.48
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,547.48	445.56
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,735.21	445.56
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,911.96	558.36
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,093.30	558.36
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,268.50	642.96
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,726.08	823.45
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,870.26	823.45
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	3,011.71	941.88
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,239.68	941.88
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,380.05	1,060.32
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,588.91	1,060.32
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,717.04	1,173.12
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,926.43	1,173.12
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,119.24	1,297.20
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,252.33	1,297.20
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,446.96	1,297.20
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0022		**120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,415.69	310.20
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,582.94	310.20
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,969.11	530.16
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,232.74	530.16
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,413.06	648.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,601.05	648.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,768.05	778.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,348.19	778.32
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,497.12	953.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,658.84	953.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,835.93	1,071.61
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,979.62	1,071.61
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,132.79	1,173.12
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,296.87	1,173.12
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,473.69	1,387.45
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,665.40	1,387.45
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,874.70	1,387.45
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,004.34	1,466.40
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,444.35	366.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,622.02	366.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,823.50	490.69
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,034.93	490.69
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,224.62	603.48
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,427.33	603.48
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,618.19	716.28
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,815.98	716.28
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,999.32	840.36
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,210.45	840.36
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,426.04	970.08
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,637.12	970.08
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,060.29	1,173.12
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,204.93	1,173.12
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,450.92	1,302.84
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,674.88	1,302.84
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,832.65	1,421.29
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,057.15	1,421.29
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,908.29	1,261.11
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,067.87	1,325.40
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,325.07	1,395.91
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,566.10	1,477.68
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,733.81	1,522.80
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,005.16	1,615.86
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,714.25	355.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,894.21	355.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,107.87	468.12
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,403.25	468.12
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,844.34	705.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,029.55	705.00
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,230.34	823.45
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,397.91	823.45
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,623.04	953.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,777.62	953.16
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,026.35	1,071.61
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,239.22	1,071.61
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,980.25	1,240.80
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,201.43	1,308.48
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,295.98	1,308.48
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,544.49	1,477.68
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,717.26	1,477.68
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	5,831.96	1,477.68
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,853.51	1,359.24
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,095.51	1,438.21
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,193.30	1,477.68
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,461.64	1,567.92
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,633.44	1,613.04
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,796.44	1,669.45
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0091		**480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,627.01	360.96
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,861.35	360.96
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,086.02	496.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,320.33	496.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,538.85	620.40
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,769.12	620.40
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,009.41	750.12
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,229.64	750.12
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,471.76	891.12
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,705.52	891.12
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,920.41	1,015.20
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,150.67	1,015.20
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,643.13	1,235.16
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,873.13	1,235.16
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,118.01	1,353.61
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	5,296.70	1,353.61
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,569.21	1,494.60
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,763.66	1,494.60
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0110		**480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,068.41	383.52
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,297.40	417.36
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,528.92	518.88
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,040.18	631.68
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,261.50	699.36
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,463.01	755.77
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,685.35	823.45
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,899.19	891.12
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,094.63	947.52
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,304.49	1,003.92
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,531.81	1,071.61
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,780.50	1,156.21
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,005.24	1,285.92
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,243.59	1,364.88
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,412.30	1,398.72
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,680.63	1,488.96
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	6,866.45	1,545.36
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,059.26	1,593.87
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,977.63	394.80
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,238.72	394.80
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,492.95	524.52
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,749.29	524.52
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,009.86	648.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,264.95	648.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,524.30	778.32
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,782.55	778.32
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,065.05	913.68
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,301.10	913.68
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,550.70	919.32
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,816.68	919.32
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,488.08	1,274.64
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,760.10	1,274.64
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,969.32	1,342.32
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,266.68	1,432.56
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,490.30	1,432.56
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,820.72	1,567.92
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,565.83	485.04
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,833.18	485.04
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,090.32	642.96
		For NEMA 3R Panelboard, Add	*1,620.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,681.25	642.96
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,929.44	812.16
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,177.20	812.16
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,416.48	930.60
		For NEMA 3R Panelboard, Add	*1,620.27*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,637.33	930.60
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,872.62	1,060.32
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,125.35	1,060.32
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,342.17	1,173.12
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,569.91	1,173.12
		For NEMA 3R Panelboard, Add	*1,781.85*	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	7,267.79	1,387.45
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,544.97	1,387.45
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	7,748.40	1,517.16
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,058.64	1,517.16
		For NEMA 3R Panelboard, Add	*2,104.80*	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	8,281.10	1,658.16
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,511.27	1,658.16
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	10,093.64	1,846.54
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	12,285.04	2,216.52
		For NEMA 3R Panelboard, Add	*2,190.66*	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	628.98	
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	723.88	
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	986.49	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,138.78	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,288.80	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,441.71	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,565.38	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,714.37	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,867.45	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,990.74	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,174.78	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	935.91	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,060.72	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,700.13	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,888.08	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,064.87	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,579.34	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,791.09	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,982.17	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,270.26	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,357.83	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,605.17	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,754.40	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,892.82	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,164.22	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,279.95	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,421.60	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,630.87	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,749.67	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,922.34	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,569.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,686.73	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,437.29	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,610.59	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,776.39	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,275.58	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,480.01	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,669.25	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	709.05	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	834.03	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	939.07	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,063.70	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,224.45	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,356.12	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,563.77	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,685.23	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,819.42	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,002.93	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,210.34	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,614.04	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,097.25	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,237.65	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,420.73	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,104.19	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,278.69	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,441.91	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,378.12	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,575.11	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,738.49	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0237		**Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0213)*		
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,350.33	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,467.97	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,565.08	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,682.38	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,840.07	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,960.14	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,286.27	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,399.80	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,526.66	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,766.35	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,959.71	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,363.42	
26 24 16 00-0250		**Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards** *(26 24 16 00-0213)*		
26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,731.20	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,863.66	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,042.46	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,841.35	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,001.20	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,153.42	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,714.66	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,918.00	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,092.14	
26 24 16 00-0260		**480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0261		**Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,015.67	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,115.02	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,540.04	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,717.37	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,870.77	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,867.17	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,968.01	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,138.15	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,261.75	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,424.40	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,647.70	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0273		**Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,080.11	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,145.76	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,329.65	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,455.19	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,705.79	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,516.53	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,672.15	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,872.91	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,999.20	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,209.82	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,400.56	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0285		**Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,634.96	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,734.31	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,144.67	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,428.27	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,569.45	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,565.85	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,648.37	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,792.25	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,976.92	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,124.61	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,315.78	
26 24 16 00-0297		**Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,831.32	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,896.97	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,939.78	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,059.82	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,416.69	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,215.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,352.51	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,527.01	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,653.30	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,847.16	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,035.34	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,057.20	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,157.16	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,339.10	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,601.15	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,779.82	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,932.04	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,947.92	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,068.17	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,237.02	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,360.82	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,524.26	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,748.40	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,293.87	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,360.13	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,557.53	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,623.49	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,749.53	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,999.49	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,861.19	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,018.69	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,217.33	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,412.20	
		For Door-In-Door (Hinged) Trim Front, Add	*130.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,624.85	
		For Door-In-Door (Hinged) Trim Front, Add	*222.37*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,815.47	
		For Door-In-Door (Hinged) Trim Front, Add	*284.20*	

26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,676.49	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,776.45	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,949.23	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,205.78	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,490.72	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,630.73	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,648.44	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,748.53	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,891.12	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,076.00	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,224.16	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,415.33	

26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,898.50	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	2,964.76	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,268.43	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,233.62	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,354.16	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,710.39	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,559.87	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,699.05	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,871.43	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,066.30	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,261.85	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,449.42	

26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: Square D I-Line or equal.

26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,813.29	335.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.26*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,119.43	335.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.21*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,349.96	335.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.21*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,692.27	550.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*330.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,870.69	550.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*330.43*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,066.49	550.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*330.43*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,322.57	732.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*439.22*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,494.42	734.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*440.57*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,564.15	732.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*439.22*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,130.23	732.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*439.22*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,393.21	1,101.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*660.85*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,778.48	1,101.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*660.85*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,093.49	1,101.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*660.85*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,477.98	1,101.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*660.85*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,483.04	342.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*205.52*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,568.24	388.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.12*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,790.88	388.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.12*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,446.16	388.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*233.12*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,112.15	636.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*382.14*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,480.29	638.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*383.15*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,783.23	636.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*382.14*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,995.52	851.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*510.87*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,430.84	848.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*509.06*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,865.06	848.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*509.06*	

26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	151.42	56.40
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	508.59	225.60
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	768.30	322.04
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,642.01	676.92
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,795.58	733.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0397		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	210.55	62.04
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	376.01	67.68
26 24 16 00-0400		**Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	214.09	62.04
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	238.76	67.68
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	839.08	322.04
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,903.28	733.20
26 24 16 00-0405		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	264.40	62.04
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,839.11	676.92
26 24 16 00-0408		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt** *(26 24 16 00-0390)*		
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,977.43	676.92
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,146.39	733.20
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	7,509.86	1,128.00
26 24 16 00-0412		**Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,871.08	676.92
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,131.58	733.20
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	8,261.79	1,128.00
26 24 16 00-0416		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,077.44	676.92
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,317.18	733.20
26 24 16 00-0419		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)*		
		Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,036.94	676.92
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,149.58	733.20
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	768.76	322.04
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	935.51	376.18
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	785.69	322.04
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	940.12	376.18
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,362.88	501.40
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,608.25	601.79
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,839.30	694.29
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,026.34	751.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,033.02	1,128.00
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,422.89	501.40
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,665.18	601.79
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,896.23	694.29
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,080.19	751.59
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,209.96	1,128.00
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,729.89	1,253.33
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,914.53	1,253.33
26 24 16 00-0440		**Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,021.67	376.18
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,523.43	564.00
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,072.45	376.18
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,569.59	564.00
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,927.01	694.29
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,104.07	752.04
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,574.70	902.74
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,094.56	1,128.00
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,980.86	694.29
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,164.82	751.59
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,781.27	902.06
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,302.28	1,128.00
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,776.05	1,253.33
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,960.69	1,253.33
26 24 16 00-0455		**Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,015.52	376.18
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,501.89	564.00
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,734.42	601.79
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,989.23	694.62
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,188.70	752.04
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,898.10	1,002.79
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,749.81	601.79
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,019.32	694.29
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,195.59	751.59
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,813.48	1,002.79
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,314.70	1,253.33
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,622.43	1,253.33
26 24 16 00-0468		**Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,619.52	752.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,586.93	1,128.00
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,711.04	751.59
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,679.25	1,128.00
26 24 16 00-0473		**Panel Mounted Accessories And Fuseholders** *(26 24 16 00-0001)*		
26 24 16 00-0474		**Midget Finger-Safe Fuse Holders** *(26 24 16 00-0473)*		
		Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	76.17	20.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	90.87	20.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	123.60	30.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	161.99	30.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	182.94	40.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	233.93	40.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	276.58	40.61
		Note: With indicators.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	220.04	40.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	230.52	50.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	286.52	50.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder	90.92	20.31
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder	98.74	20.31
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder	92.36	20.31
		Note: With indicator.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 24 16 00-0488		**Removal And Reinstallation Of Panelboards** *(26 24 16 00-0001)*		
		Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers	1,416.20	
		Note: Includes removal and reinstallation of main wiring to panelboard.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*423.00*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	75.11	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.00*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	5.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.06*	
26 24 19		**Motor-Control Centers** *(26 24)*		
26 24 19 00-0001		**Combination Starters With Molded Case Circuit Breakers** *(26 24 19)*		
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,555.34	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	3,030.09	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,522.19	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,217.51	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,581.84	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,912.59	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0009		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,555.34	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	3,030.09	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,522.19	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,217.51	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,581.84	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,912.59	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0016 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,715.22	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,959.13	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	7,119.62	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,473.67	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,580.57	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	42,376.65	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0023 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed reversing.

26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,715.22	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,959.13	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	7,119.62	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,473.67	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,580.57	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	42,376.65	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0030 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,509.73	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,216.10	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	9,170.80	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.29*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,419.96	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	27,228.35	247.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	

26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,509.73	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,216.10	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	9,170.80	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.29*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,419.96	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	27,228.35	247.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	

26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,231.42	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,797.39	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,682.81	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	20,089.05	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,825.33	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	

26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 2-Speed non-reversing, 1 wind.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,231.42	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,797.39	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,682.81	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	20,089.05	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,825.33	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,748.24	108.21
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,875.11	118.51
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	20,032.53	133.97
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	31,001.67	154.57
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	53,051.45	206.10
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,748.24	108.21
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,875.11	118.51
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	20,032.53	133.97
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	31,001.67	154.57
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	53,051.45	206.10
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,269.06	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,812.21	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	12,008.98	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,493.65	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	28,159.94	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,269.06	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,812.21	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	12,008.98	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,493.65	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	28,159.94	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,907.50	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	23,234.87	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,655.30	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,863.09	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	53,009.53	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	71,942.85	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,907.50	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	23,234.87	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,655.30	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,863.09	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,009.53	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	71,942.85	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,427.71	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,902.46	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,048.21	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,163.89	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	20,007.41	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,623.36	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,427.71	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,902.46	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	6,048.21	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	11,163.89	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	20,007.41	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,623.36	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,580.21	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,814.29	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,611.25	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,380.74	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,937.33	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	

26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,580.21	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,814.29	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,611.25	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,380.74	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,937.33	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,359.98	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	7,054.07	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,637.85	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.29*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	19,292.62	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	30,558.09	247.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,359.98	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	7,054.07	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,637.85	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.29*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	19,292.62	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	30,558.09	247.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,184.72	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,733.94	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,266.14	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	23,061.27	200.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.57*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	38,253.61	237.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.22*	
26 24 19 00-0137		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,184.72	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,733.94	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,266.14	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	23,061.27	200.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.57*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	38,253.61	237.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*142.22*	
26 24 19 00-0143		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,573.91	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,821.34	118.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.11*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	23,377.01	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	35,427.39	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	58,302.85	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0149		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,573.91	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,821.34	118.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.11*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	23,377.01	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	35,427.39	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	58,302.85	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0155		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	6,119.31	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,645.26	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,466.20	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,879.90	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	35,242.07	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0161		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	6,119.31	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,645.26	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,466.20	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,879.90	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	35,242.07	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,612.77	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,932.76	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	26,328.62	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	39,420.91	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	53,442.03	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	74,908.89	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,612.82	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.39*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,932.76	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	26,328.62	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	39,420.91	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	53,442.03	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	74,908.89	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	

26 24 19 00-0181 Combination Starters With Fusible Switch *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.

26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,270.29	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,140.68	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,313.46	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,389.68	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,259.78	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	27,236.82	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed non-reversing.

26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,270.29	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,140.68	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,313.46	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,389.68	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	15,259.78	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	27,236.82	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,683.27	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,499.75	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,815.21	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,380.59	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	22,137.95	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,646.22	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 1-Speed reversing.

26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,683.27	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,499.75	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,815.21	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,380.59	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	22,137.95	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	37,646.22	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	

26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt *(26 24 19 00-0181)*

Note: 2-Speed non-reversing, 2 wind.

26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,303.31	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,931.05	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,355.10	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,739.42	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,690.19	247.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,303.31	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,931.05	175.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.11*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,355.10	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.29*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,739.42	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,690.19	247.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.40*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,931.62	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,531.99	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,854.82	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,902.59	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,931.62	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,531.99	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,854.82	113.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.01*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,902.59	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,480.39	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,224.20	118.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.11*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,047.57	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,443.70	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	49,478.44	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,480.39	108.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.92*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	13,224.20	118.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.11*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	22,047.57	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	29,443.70	154.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.75*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	49,478.44	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,301.00	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	7,023.54	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,202.97	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,368.62	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,301.00	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	7,023.54	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	11,202.97	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	22,368.62	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,905.04	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,234.87	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,655.30	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,863.09	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,009.53	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	71,942.85	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,905.04	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.38*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	23,234.87	164.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.93*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,655.30	190.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.38*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,863.09	211.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.75*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	53,009.53	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	71,942.85	329.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.87*	
26 24 19 00-0268		**Starter Accessories** *(26 24 19)*		
		Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	199.15	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	383.35	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	547.99	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	137.61	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	194.13	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	326.83	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	81.09	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	68.81	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	147.29	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	182.10	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	356.18	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	182.10	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	208.88	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	251.73	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	297.26	
26 24 19 00-0285	EA	Blank Devices Panel	56.24	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	88.37	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	767.36	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	695.06	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	1,044.42	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	88.37	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	125.87	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	88.37	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	125.87	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	125.87	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	182.10	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	452.58	
26 24 19 00-0297	EA	Heater Module	84.26	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	523.41	
26 24 19 00-0299	EA	JAM - Jam Protection Module	600.00	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,138.73	
26 24 19 00-0301	EA	ULM - Underload Module	546.38	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	120.00	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	224.68	
26 24 19 00-0304	EA	Type SIS Control Wire	94.47	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	120.00	
26 24 19 00-0306	EA	Ring Terminals Power	120.00	
26 24 19 00-0307	EA	14 Gauge Control Wire	94.47	
26 24 19 00-0308	EA	Wiring Diagram On Door	71.49	
26 24 19 00-0309	EA	Special Color Or Type Control Wire	86.81	
26 24 19 00-0310	EA	Current Transformer 12.5 VA	681.70	
26 24 19 00-0311	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,177.88	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,451.07	

26 24 19 00-0313 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0314	EA	600 Volt, 2 Pole, Control Relays	694.73	
26 24 19 00-0315	EA	600 Volt, 4 Pole, Control Relays	815.71	
26 24 19 00-0316	EA	600 Volt, 6 Pole, Control Relays	947.00	
26 24 19 00-0317	EA	600 Volt, 8 Pole, Control Relays	1,049.73	
26 24 19 00-0318	EA	Pneumatic Timer, Control Relays	937.55	
26 24 19 00-0319	EA	Motor Driven Timer, Control Relays	2,443.11	
26 24 19 00-0320	EA	7 Days Time Switch, Control Relays	3,074.99	
26 24 19 00-0321	EA	24 Hour Time Switch, Control Relays	862.28	
26 24 19 00-0322	EA	Phase Voltage, Control Relays	1,466.78	
26 24 19 00-0323	EA	Two Circuit Alternator, Control Relays	2,053.04	
26 24 19 00-0324	EA	Manual 120 Volt, Control Relays	200.74	
26 24 19 00-0325	EA	Over-Current Relay, Control Relays	4,871.50	
26 24 19 00-0326	EA	UV-Relay, Control Relays	4,125.97	
26 24 19 00-0327	EA	Over-Current Relay, Control Relays	4,125.97	
26 24 19 00-0328	EA	Teleductor, Control Relays	1,512.40	
26 24 19 00-0329	EA	Current Transducer, Control Relays	4,067.30	
26 24 19 00-0330	EA	Watt Transducer, Control Relays	8,134.59	
26 24 19 00-0331	EA	Control Relays, Blank, Add For Each 1x	276.02	
26 24 19 00-0332	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	412.89	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	465.36	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	517.82	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	465.36	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	517.82	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	545.20	

26 24 19 00-0338 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0339	EA	Shunt Trip, Circuit Breaker	778.12	
26 24 19 00-0340	EA	Auxiliary Switch, Circuit Breaker	268.77	
26 24 19 00-0341	EA	Key Interlock, Circuit Breaker	966.69	
26 24 19 00-0342	EA	GFR Ground Fault, Circuit Breaker	4,456.32	
26 24 19 00-0343	EA	Seltronic Breaker, Circuit Breaker	2,581.46	

26 24 19 00-0344 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0345	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,853.24	66.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,218.86	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	3,125.29	66.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,488.24	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,784.39	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,527.12	133.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.39*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,770.47	144.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*86.58*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	7,614.83	185.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.25*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	8,914.32	283.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.09*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	12,607.11	427.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.80*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	27,883.22	566.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*339.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	41,754.25	711.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*426.23*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	69,899.27	824.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*495.07*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,236.20	66.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,591.10	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	2,236.20	66.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,591.10	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,834.97	66.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.19*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	5,243.43	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	6,523.52	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,406.32	103.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	8,614.39	283.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.09*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	8,614.39	283.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.09*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	11,651.43	309.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.41*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	14,566.35	360.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.32*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	16,752.67	427.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.80*	

26 24 19 00-0371 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0372	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	2,008.66	103.05
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,129.51	103.05
26 24 19 00-0374	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	3,198.07	128.81
26 24 19 00-0375	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	5,234.08	154.57
26 24 19 00-0376	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	10,383.35	195.79
26 24 19 00-0377	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	14,574.80	257.62
26 24 19 00-0378	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	35,619.23	345.22
26 24 19 00-0379	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	40,132.43	479.19

26 24 19 00-0380 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0381	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,826.40
26 24 19 00-0382	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,885.32
26 24 19 00-0383	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,946.91
26 24 19 00-0384	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	2,233.46
26 24 19 00-0385	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,420.92
26 24 19 00-0386	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,739.58
26 24 19 00-0387	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	3,293.95
26 24 19 00-0388	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,711.72
26 24 19 00-0389	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	8,628.54
26 24 19 00-0390	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,579.39
26 24 19 00-0391	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	6,344.20
26 24 19 00-0392	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	9,887.21
26 24 19 00-0393	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	9,156.11
26 24 19 00-0394	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	12,688.40
26 24 19 00-0395	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	13,097.90
26 24 19 00-0396	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	18,143.02

26 24 19 00-0397 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0398	EA	Metering Equipment, Voltmeter, Panel Type	862.32
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Switchboard Type	1,885.32
26 24 19 00-0400	EA	Metering Equipment, Ammeter, Panel	776.62
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Switchboard Type	1,885.32
26 24 19 00-0402	EA	Metering Equipment, Voltmeter/Ammeter, Switch	1,047.10
26 24 19 00-0403	EA	Metering Equipment, Control Switch, 4 Circuits	1,111.37
26 24 19 00-0404	EA	Add For Additional Circuits	140.43
26 24 19 00-0405	EA	Metering Equipment, Indicating Wattmeter	3,888.47
26 24 19 00-0406	EA	Metering Equipment, Indicating Power Factor	4,073.25
26 24 19 00-0407	EA	Metering Equipment, Integrating Watt-hour	3,591.21
26 24 19 00-0408	EA	Add For Demand Attachment	919.15
26 24 19 00-0409	EA	800 Amperes, Metering Equipment, Current Transformer	1,073.88
26 24 19 00-0410	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,853.18
26 24 19 00-0411	EA	2,000 Amperes, Metering Equipment, Current Transformer	2,158.47
26 24 19 00-0412	EA	Metering Equipment, Potential Transformer	1,799.62
26 24 19 00-0413	EA	Metering Equipment, Surge Arrester	1,936.20
26 24 19 00-0414	EA	Metering Equipment, Ground Detector System	1,480.94

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0415		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0416	EA	600 Amperes, Current Limiting Reactors	33,054.66	
26 24 19 00-0417	EA	800 Amperes, Current Limiting Reactors	48,137.20	
26 24 19 00-0418	EA	1,000 Amperes, Current Limiting Reactors	63,254.56	
26 24 19 00-0419	EA	1,200 Amperes, Current Limiting Reactors	96,285.11	
26 24 19 00-0420		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0421	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	533.25	
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	533.25	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	737.21	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,349.10	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	737.21	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	941.17	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	941.17	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,346.64	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	941.17	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,346.64	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,145.13	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,713.08	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,145.13	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,346.64	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,713.08	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,713.08	
26 24 19 00-0437	EA	Bus Duct Transition Pull Box	1,221.31	
26 24 19 00-0438	EA	Throat And Transition To Substation	2,357.73	
26 24 19 00-0439	EA	Service Entrance Label Signage	510.60	
26 24 19 00-0440	EA	Type W To 5 Star - 10" Transition	1,067.28	
26 24 19 00-0441	EA	600 Amperes, Sub Feed Lugs On Main Bus	610.21	
26 24 19 00-0442		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0443	EA	Standard Structure Add For Each Additional 4" Of Structure Width	337.16	
26 24 19 00-0444	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	337.16	
26 24 19 00-0445	EA	Standard Structure Single Corner Section "L", 16" Depth	1,043.03	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 21" Depth	1,176.44	
26 24 19 00-0447	EA	Standard Structure Unused Space/Future Space	100.66	
26 24 19 00-0448	EA	Standard Structure NEMA 12 Dustproof	271.67	
26 24 19 00-0449	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	57.00	
26 24 19 00-0450	EA	Standard Structure 150 Watt Space	244.99	
26 24 19 00-0451	EA	Standard Structure Thermostat For Space Heater Control	742.98	
26 24 19 00-0452	EA	Standard Structure Rear Hinged Structure Door, 72" High	244.99	
26 24 19 00-0453	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	480.00	
26 24 19 00-0454	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,847.67	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,914.91	
26 24 19 00-0456	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,922.57	
26 24 19 00-0457		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0458	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	618.28	309.15
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	927.42	463.73
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	1,030.51	515.26
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,236.72	618.31
26 24 19 00-0462	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	103.05	51.52
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	618.28	309.15
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	927.42	463.73
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	1,030.51	515.26
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,236.72	618.31
26 24 19 00-0467	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	103.05	51.52
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	721.37	360.67
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	927.42	463.73
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,236.72	618.31
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,442.53	721.26
26 24 19 00-0472	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	154.57	77.29
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	824.41	412.20
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,133.65	566.78
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,442.53	721.26
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,648.53	824.31
26 24 19 00-0477	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	206.10	103.05
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	824.41	412.20
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,236.72	618.31
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,545.60	772.78
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	1,751.98	876.04
26 24 19 00-0482	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	206.10	103.05
26 24 19 00-0483		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0484		**2.4 KV Motor Control Centers** *(26 24 19 00-0483)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0485	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	16,977.86	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	16,977.86	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	16,977.86	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	17,029.42	231.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.13*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	18,083.98	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0490	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	18,135.49	283.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.03*	
26 24 19 00-0491	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	18,187.00	309.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.48*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	18,290.09	360.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.41*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	18,393.13	412.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.32*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	30,998.91	463.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.23*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	33,270.23	515.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.15*	
26 24 19 00-0496	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	25,200.92	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	26,253.14	221.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*132.94*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	29,826.33	242.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*145.30*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	33,200.78	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	36,120.19	298.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*179.32*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	39,575.83	319.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.68*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	43,029.44	340.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.03*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	47,125.85	370.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*222.60*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	54,841.65	412.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.32*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	59,418.14	437.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.80*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	90,758.66	515.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.15*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	96,697.78	566.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*340.10*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	101,866.80	618.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.02*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	110,922.53	669.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.97*	
26 24 19 00-0510	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	23,776.37	206.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*123.66*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	23,827.93	231.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.13*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	23,879.43	257.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.58*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	23,930.94	283.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*170.03*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	23,986.51	309.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.48*	
26 24 19 00-0515	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	24,038.09	334.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.96*	
26 24 19 00-0516	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	24,089.60	360.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.41*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	24,295.65	463.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.23*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	41,426.41	515.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.15*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	41,529.55	566.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*340.10*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	43,788.69	618.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.02*	
26 24 19 00-0521	EA	Add For Reversing Starters, 100 To 700 HP	9,345.08	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0522	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	9,628.77	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,750 To 2,500 HP	14,745.38	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	

26 24 19 00-0524 4.8 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0525	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	18,470.70	309.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	18,522.28	334.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.96*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	18,573.79	360.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.41*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	18,625.34	386.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.88*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	19,669.75	412.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.32*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	19,721.33	437.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.80*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	19,772.76	463.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.23*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	19,824.38	489.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.71*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	19,875.85	515.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.15*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	33,691.07	669.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.97*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	33,793.70	721.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*432.76*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	36,054.87	772.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*463.68*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	36,157.80	824.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*494.56*	
26 24 19 00-0538	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	25,694.74	309.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.48*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	26,030.02	334.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*200.96*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	30,357.19	360.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.41*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	33,742.14	386.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.88*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	36,630.56	412.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.32*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	40,096.59	437.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.80*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	43,349.70	463.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.23*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	47,646.59	489.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.71*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	55,195.67	515.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.15*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	60,325.33	541.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.62*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	65,506.51	592.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*355.54*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	69,791.21	618.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*371.02*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	73,832.58	644.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.44*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	79,487.28	669.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*401.97*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	126,017.66	824.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*494.56*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	140,143.67	876.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*525.59*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	168,463.88	927.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*556.45*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	178,200.64	927.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*556.45*	
26 24 19 00-0556	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	25,368.24	360.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.41*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	25,419.79	386.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.88*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	25,471.28	412.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.32*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	25,522.86	437.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*262.80*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	27,710.10	463.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*278.23*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	27,761.72	489.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.71*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	27,813.19	515.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*309.15*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	27,864.74	541.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*324.62*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	27,916.33	566.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*340.10*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	28,225.21	721.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*432.76*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	45,639.65	772.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*463.68*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	47,890.54	824.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*494.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	47,890.54	824.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*494.56*	
26 24 19 00-0569	EA	Add For Reversing Starters, 100 To 1,250 HP	11,288.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0570	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,632.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	
26 24 19 00-0571	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,837.71	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.83*	

26 24 19 00-0572 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0483)*

26 24 19 00-0573	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,664.93	206.10
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,601.14	309.15
26 24 19 00-0575	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,801.84	
26 24 19 00-0576	EA	2.4/4.8 KV Space Heaters	291.73	15.46
26 24 19 00-0577	EA	2.4/4.8 KV Potential Transformer Fused	1,680.84	
26 24 19 00-0578	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	901.85	
26 24 19 00-0579	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,685.90	
26 24 19 00-0580	EA	2.4/4.8 KV Pushbuttons Each	172.02	
26 24 19 00-0581	EA	2.4/4.8 KV Selector Switch Each	570.11	
26 24 19 00-0582	EA	2.4/4.8 KV Indicating Light	172.02	
26 24 19 00-0583	EA	2.4/4.8 KV Push To Test Light	520.96	
26 24 19 00-0584	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,385.95	
26 24 19 00-0585	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,385.95	
26 24 19 00-0586	EA	2.4/4.8 KV Power Factor Meter	4,145.58	
26 24 19 00-0587	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,857.92	
26 24 19 00-0588	EA	2.4/4.8 KV Operation Counter	551.87	15.46
26 24 19 00-0589	EA	2.4/4.8 KV Phase Failure Protection	3,990.60	51.52
26 24 19 00-0590	EA	2.4/4.8 KV Ground Protection	7,649.70	25.76
26 24 19 00-0591	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,815.50	25.76
26 24 19 00-0592	EA	2.4/4.8 KV Lightning Arresters	5,630.07	15.46
26 24 19 00-0593	EA	2.4/4.8 KV Portable Lifting Mechanism	8,161.78	
26 24 19 00-0594	EA	2.4/4.8 KV Auxiliary Timing Relay	1,103.06	51.52
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Control Relay	764.35	51.52

26 24 19 00-0596 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0483)*

Note: 3 Pole. Includes structure.

26 24 19 00-0597	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,236.67	309.07
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,143.51	547.08
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,549.20	700.48
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,100.98	1,128.00
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,837.26	1,240.80
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,301.86	1,376.16
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	7,331.12	1,613.04
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	12,924.31	1,879.25

26 24 19 00-0605 Main Lugs Only *(26 24 19 00-0483)*

26 24 19 00-0606	EA	600 Amperes Incoming Section, Main Lugs	949.62	394.80
26 24 19 00-0607	EA	800 Amperes Incoming Section, Main Lugs	1,029.48	394.80
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs	1,434.47	620.40
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs	3,625.06	1,128.00
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs	5,528.40	1,635.60
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs	7,921.04	2,256.00

26 24 19 00-0612 Incoming Main Circuit Breaker Structure *(26 24 19 00-0483)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	6,884.03	545.84
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	14,722.58	701.17
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	15,199.42	1,092.13
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	21,706.01	1,092.13
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	31,499.43	1,235.73
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0618 Incoming Fusible Main Disconnect Section *(26 24 19 00-0483)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section	5,960.14	546.52
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section	8,242.02	701.51
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section	16,168.08	1,093.04
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section	18,837.20	1,093.04
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section	26,602.19	1,236.86
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 1 With Gaskets, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0624 Circuit Breaker Combination Starters *(26 24 19 00-0483)*

26 24 19 00-0625 Class I, Type A *(26 24 19 00-0624)*

26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,040.09	228.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.55*	
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,212.25	228.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.62*	
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,764.80	324.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.48*	
26 24 19 00-0629	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,893.31	427.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.37*	
26 24 19 00-0630	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,228.34	534.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.46*	

26 24 19 00-0631 Class I, Type B *(26 24 19 00-0624)*

26 24 19 00-0632	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	987.85	199.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.80*	
26 24 19 00-0633	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,153.63	199.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.03*	
26 24 19 00-0634	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,694.98	288.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.54*	
26 24 19 00-0635	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,822.09	391.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*235.00*	
26 24 19 00-0636	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,170.90	499.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*303.23*	

26 24 19 00-0637 Class I, Type C *(26 24 19 00-0624)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0638	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,046.14	184.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.17*	
26 24 19 00-0639	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,221.76	184.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.00*	
26 24 19 00-0640	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,819.07	276.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*165.88*	
26 24 19 00-0641	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	2,952.61	382.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.27*	
26 24 19 00-0642	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,293.40	490.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.75*	

26 24 19 00-0643 Class II, Type B *(26 24 19 00-0624)*

26 24 19 00-0644	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,035.46	274.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.95*	
26 24 19 00-0645	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,440.88	274.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.01*	
26 24 19 00-0646	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,048.41	365.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*218.60*	
26 24 19 00-0647	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,362.85	468.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*282.00*	
26 24 19 00-0648	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,105.92	571.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.90*	

26 24 19 00-0649 Class II, Type C *(26 24 19 00-0624)*

26 24 19 00-0650	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,303.10	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.42*	
26 24 19 00-0651	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,498.20	259.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.07*	
26 24 19 00-0652	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,178.34	354.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*212.03*	
26 24 19 00-0653	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,485.08	456.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*273.79*	
26 24 19 00-0654	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	6,243.96	564.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*339.76*	

26 24 19 00-0655 Fused Disconnect Combination Starter *(26 24 19 00-0483)*

26 24 19 00-0656 Class I, Type A *(26 24 19 00-0655)*

26 24 19 00-0657	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	947.68	210.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.03*	
26 24 19 00-0658	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,431.94	288.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.01*	
26 24 19 00-0659	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,283.86	375.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.60*	
26 24 19 00-0660	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,122.94	526.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*316.85*	
26 24 19 00-0661	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	5,495.59	671.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*402.86*	

26 24 19 00-0662 Class I, Type B *(26 24 19 00-0655)*

26 24 19 00-0663	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	967.76	188.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.80*	
26 24 19 00-0664	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,302.87	258.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*154.95*	
26 24 19 00-0665	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,931.24	345.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.35*	
26 24 19 00-0666	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,238.16	498.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*300.00*	
26 24 19 00-0667	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	5,595.34	633.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*381.08*	

26 24 19 00-0668 Class I, Type C *(26 24 19 00-0655)*

26 24 19 00-0669	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,026.44	175.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.62*	
26 24 19 00-0670	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,379.32	239.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.62*	
26 24 19 00-0671	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,103.03	332.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.43*	
26 24 19 00-0672	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,408.88	490.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.75*	
26 24 19 00-0673	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	5,290.67	627.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*376.00*	

26 24 19 00-0674 Class II, Type B *(26 24 19 00-0655)*

26 24 19 00-0675	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,218.10	263.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0676	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,574.79	329.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.20*	
26 24 19 00-0677	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,288.55	424.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*254.06*	
26 24 19 00-0678	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,737.35	571.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.90*	
26 24 19 00-0679	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	6,434.87	714.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*427.27*	
26 24 19 00-0680		**Class II, Type C** *(26 24 19 00-0655)*		
26 24 19 00-0681	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,267.37	248.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*148.42*	
26 24 19 00-0682	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,650.86	311.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*186.76*	
26 24 19 00-0683	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,433.51	404.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*243.10*	
26 24 19 00-0684	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	3,891.53	558.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.72*	
26 24 19 00-0685	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	6,584.55	691.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*414.71*	
26 24 19 00-0686		**Space Complete With Bus And Hardware** *(26 24 19 00-0483)*		
26 24 19 00-0687		**Circuit Breaker Type** *(26 24 19 00-0686)*		
26 24 19 00-0688	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	291.29	76.70
26 24 19 00-0689	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	291.29	76.70
26 24 19 00-0690	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	433.19	111.68
26 24 19 00-0691	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	511.93	146.64
26 24 19 00-0692	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	863.08	223.34
26 24 19 00-0693		**Fused Disconnect Type** *(26 24 19 00-0686)*		
26 24 19 00-0694	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	291.29	76.70
26 24 19 00-0695	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	384.60	111.68
26 24 19 00-0696	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	535.70	146.64
26 24 19 00-0697	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	929.43	223.34
26 24 19 00-0698	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,293.50	324.86
26 24 19 00-0699		**Blank Space For Future Expansion** *(26 24 19 00-0686)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0700	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	138.45	
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	138.45	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	209.91	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	209.91	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	417.58	
26 24 19 00-0705		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0686)*		
26 24 19 00-0706	EA	Structure Combination Of Starters To 72" High	3,438.03	593.67
26 24 19 00-0707		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0483)*		
26 24 19 00-0708	EA	20" Wide Basic Section With Vertical Wireway	5,674.05	1,546.04
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0709	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	5,674.05	1,546.04
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
26 24 19 00-0710	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	6,282.45	1,546.04
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0711	EA	Corner Section	6,282.45	1,546.04
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
		For NEMA 12, Add	*245.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	

26 24 19 00-0712 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0483)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0713 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0714	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,492.88	217.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.28*	
26 24 19 00-0715	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,661.74	240.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*144.49*	
26 24 19 00-0716	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,891.42	323.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*194.26*	
26 24 19 00-0717	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,198.68	426.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*256.13*	
26 24 19 00-0718	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	9,620.75	533.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.09*	
26 24 19 00-0719	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	22,581.78	533.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.09*	
26 24 19 00-0720	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,510.73	187.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*112.68*	
26 24 19 00-0721	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,703.87	211.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*126.89*	
26 24 19 00-0722	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	2,960.97	288.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.25*	
26 24 19 00-0723	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,205.34	391.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*234.87*	
26 24 19 00-0724	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	9,642.07	505.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*303.23*	
26 24 19 00-0725	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	22,742.56	505.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*303.23*	

26 24 19 00-0726 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0727	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,399.56	271.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.01*	
26 24 19 00-0728	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,947.52	300.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.38*	
26 24 19 00-0729	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,867.81	404.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.41*	
26 24 19 00-0730	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,392.25	534.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.46*	
26 24 19 00-0731	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	15,189.09	668.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*400.95*	
26 24 19 00-0732	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,441.73	234.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.76*	
26 24 19 00-0733	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,014.89	264.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.72*	
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,961.20	361.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.92*	
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,419.53	489.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.75*	
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	15,233.47	632.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.37*	

26 24 19 00-0737 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,632.17	271.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.01*	
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,755.45	300.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*180.38*	
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,105.50	404.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*242.41*	
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	9,677.80	534.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*320.46*	
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	19,445.82	668.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*400.95*	
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,674.34	234.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.76*	
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,822.81	264.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*158.72*	
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,198.89	361.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*216.92*	
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	9,705.08	489.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	19,490.20	632.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*379.37*	
26 24 19 00-0748		**Motor Control Center Starters With Fusible Disconnect** *(26 24 19 00-0483)*		
		Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0749		**FVNR Starters With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,200.34	211.72
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,563.32	287.75
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,618.62	374.95
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,427.45	528.13
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	8,939.85	671.38
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	22,778.48	671.38
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,227.88	187.70
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,604.15	257.75
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,699.36	345.62
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,448.81	500.05
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	8,944.79	635.18
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	22,923.00	635.18
26 24 19 00-0762		**Two Speed 2-Winding (TS2W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,079.25	265.08
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,898.15	359.72
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,497.34	468.46
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,463.68	662.02
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	15,431.51	774.71
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,133.65	234.63
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,962.17	321.93
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,603.82	432.48
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,503.83	623.90
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	15,459.50	730.61
26 24 19 00-0773		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,429.71	265.08
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,718.49	359.72
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,758.29	468.46
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	9,935.10	662.02
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	18,822.94	774.71
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,485.15	234.63
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,782.50	321.93
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	6,864.77	432.48
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	9,975.25	623.90
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	18,850.93	730.61
26 24 19 00-0784		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0483)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	263.96	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.48*	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	323.92	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.48*	
26 24 19 00-0787	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	389.53	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 24 19 00-0788	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	507.39	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.17*	
26 24 19 00-0789	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	852.13	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.87*	
26 24 19 00-0790	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	150.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.78*	
26 24 19 00-0791		**Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0483)*		
26 24 19 00-0792		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0793	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,440.61	163.00
26 24 19 00-0794	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,711.36	180.48
26 24 19 00-0795	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	3,266.17	243.09
26 24 19 00-0796	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	5,570.39	320.35
26 24 19 00-0797	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	9,902.15	400.44
26 24 19 00-0798	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	11,398.29	400.44
26 24 19 00-0799	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	24,070.26	501.40
26 24 19 00-0800		**Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0801	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	828.70	158.49
26 24 19 00-0802	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	974.81	216.01
26 24 19 00-0803	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,337.39	276.36
26 24 19 00-0804	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,502.36	395.93
26 24 19 00-0805	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,460.60	503.54
26 24 19 00-0806	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	10,291.31	503.54
26 24 19 00-0807	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	12,721.86	629.43
26 24 19 00-0808	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	18,825.50	629.43

26 24 19 00-0809 Control Circuit Transformer *(26 24 19 00-0483)*

26 24 19 00-0810	EA	Control Circuit Transformer, Size 1 Factory Installed	73.86	
26 24 19 00-0811	EA	Control Circuit Transformer, Size 2 Factory Installed	73.86	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 3 Factory Installed	142.25	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 4 Factory Installed	142.25	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 5 Factory Installed	197.62	
26 24 19 00-0815	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	53.58	12.77

26 24 19 00-0816 Cover Mounted Control Devices *(26 24 19 00-0483)*

26 24 19 00-0817	EA	Control Device, 2 Unit Push Button Station Cover Mounted	120.86	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.10*	
26 24 19 00-0818	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	135.35	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.63*	
26 24 19 00-0819	EA	Control Device, Pilot Light Cover Mounted	114.53	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 24 19 00-0820	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	307.29	76.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.23*	
26 24 19 00-0821	EA	Auxiliary Contact Add Per Starter	376.41	29.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.54*	

26 24 19 00-0822 Extra Interlocks *(26 24 19 00-0483)*

Note: Per contact.

26 24 19 00-0823	EA	Extra Interlocks, Class I, Type A Per Contact	78.44	14.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type B Per Contact	109.31	14.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.56*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type C Per Contact	122.01	14.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.81*	
26 24 19 00-0826	EA	Extra Interlocks, Class II, Type B Per Contact	109.95	14.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.05*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type C Per Contact	116.54	14.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.32*	

26 24 19 00-0828 Special Cabinet Provisions *(26 24 19 00-0483)*

26 24 19 00-0829	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	924.64	

26 24 19 00-0830 Nameplate Requirements *(26 24 19 00-0483)*

26 24 19 00-0831	EA	Special Cabinet Nameplate Requirements	32.83	

26 24 19 00-0832 Auxiliary Relays *(26 24 19 00-0483)*

26 24 19 00-0833	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	178.08	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 24 19 00-0834	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	168.20	25.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 24 19 00-0835	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	94.49	25.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	

26 24 19 00-0836 Motor Control Center Accessories *(26 24 19 00-0483)*

26 24 19 00-0837 Lighting Transformer With Circuit Breaker *(26 24 19 00-0836)*

Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.

26 24 19 00-0838	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,325.11	362.93
26 24 19 00-0839	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,536.52	377.45
26 24 19 00-0840	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,058.12	406.48
26 24 19 00-0841	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,621.41	435.51
26 24 19 00-0842	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,256.78	464.55
26 24 19 00-0843	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	12,603.21	522.62
26 24 19 00-0844	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	16,568.21	580.68
26 24 19 00-0845	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	9,666.50	479.07
26 24 19 00-0846	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,502.00	522.62
26 24 19 00-0847	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,012.65	580.68
26 24 19 00-0848	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,742.39	638.75
26 24 19 00-0849	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	15,379.47	696.83
26 24 19 00-0850	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	15,866.07	754.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0851		**Bolt-On Lighting Panel** *(26 24 19 00-0836)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0852	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,177.08	587.01
26 24 19 00-0853	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,377.09	1,021.75
26 24 19 00-0854	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,483.97	1,382.36
26 24 19 00-0855	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,273.33	635.18
26 24 19 00-0856	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,333.61	999.98
26 24 19 00-0857	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	4,656.77	1,468.77
26 24 19 00-0858	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,724.93	680.86
26 24 19 00-0859	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,929.26	1,093.04
26 24 19 00-0860	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,142.36	1,468.77
26 24 19 00-0861	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,832.02	734.32
26 24 19 00-0862	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,929.26	1,093.04
26 24 19 00-0863	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,237.11	1,516.15
26 24 19 00-0864		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0836)* Note: For MCC lighting panel only.		
26 24 19 00-0865	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	44.70	
26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	284.96	
26 24 19 00-0867	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	87.38	
26 24 19 00-0868	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	201.17	
26 24 19 00-0869	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	235.71	
26 24 19 00-0870	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	357.63	
26 24 19 00-0871		**Blank Unit Door (BUD)** *(26 24 19 00-0836)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0872	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	75.99	
26 24 19 00-0873	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	91.19	
26 24 19 00-0874	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	136.78	
26 24 19 00-0875	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	182.37	
26 24 19 00-0876	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	273.56	
26 24 19 00-0877	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	319.16	
26 24 19 00-0878	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	364.75	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0001		**Plug-In Bus Duct** *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	289.21	33.84
		For Up To 25, Add	*72.30*	
		For >25 To 50, Add	*43.38*	
		For >50 To 100, Add	*21.69*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	410.06	33.84
		For Up To 25, Add	*102.52*	
		For >25 To 50, Add	*61.51*	
		For >50 To 100, Add	*30.75*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	519.76	45.12
		For Up To 25, Add	*129.94*	
		For >25 To 50, Add	*77.96*	
		For >50 To 100, Add	*38.98*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	718.21	45.12
		For Up To 25, Add	*179.55*	
		For >25 To 50, Add	*107.73*	
		For >50 To 100, Add	*53.87*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	757.64	56.40
		For Up To 25, Add	*189.41*	
		For >25 To 50, Add	*113.65*	
		For >50 To 100, Add	*56.82*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,056.08	56.40
		For Up To 25, Add	*264.02*	
		For >25 To 50, Add	*158.41*	
		For >50 To 100, Add	*79.21*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,236.23	59.22
		For Up To 25, Add	*309.06*	
		For >25 To 50, Add	*185.43*	
		For >50 To 100, Add	*92.72*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,505.59	60.91
		For Up To 25, Add	*376.40*	
		For >25 To 50, Add	*225.84*	
		For >50 To 100, Add	*112.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,858.47	64.29
		For Up To 25, Add	*464.62*	
		For >25 To 50, Add	*278.77*	
		For >50 To 100, Add	*139.39*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,145.87	75.01
		For Up To 25, Add	*536.47*	
		For >25 To 50, Add	*321.88*	
		For >50 To 100, Add	*160.94*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,483.50	81.78
		For Up To 25, Add	*620.88*	
		For >25 To 50, Add	*372.53*	
		For >50 To 100, Add	*186.26*	

26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*

26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	474.50	33.84
		For Up To 25, Add	*118.63*	
		For >25 To 50, Add	*71.18*	
		For >50 To 100, Add	*35.59*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	685.46	33.84
		For Up To 25, Add	*171.37*	
		For >25 To 50, Add	*102.82*	
		For >50 To 100, Add	*51.41*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	775.04	45.12
		For Up To 25, Add	*193.76*	
		For >25 To 50, Add	*116.26*	
		For >50 To 100, Add	*58.13*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	985.70	45.12
		For Up To 25, Add	*246.43*	
		For >25 To 50, Add	*147.86*	
		For >50 To 100, Add	*73.93*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,202.73	56.40
		For Up To 25, Add	*300.68*	
		For >25 To 50, Add	*180.41*	
		For >50 To 100, Add	*90.20*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,558.87	56.40
		For Up To 25, Add	*389.72*	
		For >25 To 50, Add	*233.83*	
		For >50 To 100, Add	*116.92*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,015.75	58.43
		For Up To 25, Add	*503.94*	
		For >25 To 50, Add	*302.36*	
		For >50 To 100, Add	*151.18*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,428.05	60.91
		For Up To 25, Add	*607.01*	
		For >25 To 50, Add	*364.21*	
		For >50 To 100, Add	*182.10*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,011.65	63.73
		For Up To 25, Add	*752.91*	
		For >25 To 50, Add	*451.75*	
		For >50 To 100, Add	*225.87*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,476.50	75.01
		For Up To 25, Add	*869.13*	
		For >25 To 50, Add	*521.48*	
		For >50 To 100, Add	*260.74*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	4,030.11	81.78
		For Up To 25, Add	*1,007.53*	
		For >25 To 50, Add	*604.52*	
		For >50 To 100, Add	*302.26*	

26 25 13 00-0026 Cable Tap Boxes *(26 25 13 00-0001)*

26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,386.19	157.93
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,462.64	157.93
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,660.16	214.32
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,828.53	214.32
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,031.76	282.00
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,320.98	282.00

26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*

26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,462.64	310.20
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,673.10	310.20
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,853.27	423.00
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,205.64	423.00
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,368.61	564.00
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,833.33	564.00

26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*

26 25 13 00-0042 240 Volt, 3-Phase *(26 25 13 00-0041)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,070.48	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.71*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,138.78	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.22*	
26 25 13 00-0045		**600 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,080.42	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.71*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,694.79	112.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.22*	
26 25 13 00-0048		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,232.84	135.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.50*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,471.99	135.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.13*	
26 25 13 00-0051		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,413.24	135.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.50*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,178.40	135.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.13*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,166.87	468.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*202.88*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,567.54	468.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*440.63*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,429.65	1,353.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*613.04*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	10,480.52	1,353.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,084.62*	
26 25 13 00-0058		**Bus Duct Plug-In Fusible Switch** *(26 25 13 00-0001)*		
26 25 13 00-0059		**240 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,068.00	112.80
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,171.26	112.80
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,621.03	135.36
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,733.65	270.72
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,921.30	609.12
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,320.94	1,060.32
26 25 13 00-0066		**600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,112.54	124.08
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,213.07	124.08
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,636.12	124.08
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,803.89	259.44
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,891.17	586.56
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,534.58	1,128.00
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,342.25	1,466.40
26 25 13 00-0074		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,236.77	146.64
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,325.47	146.64
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,792.45	146.64
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,039.42	304.56
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,590.42	676.80
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,040.96	1,037.76
26 25 13 00-0081		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,278.26	146.64
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,366.96	124.42
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,913.94	169.20
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,169.16	304.56
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,590.42	676.80
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	11,040.96	1,037.76
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	17,527.77	1,376.16

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0002		600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)* Note: Copper conductors.		
26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	864.02	47.37
		For Up To 25, Add	*216.01*	
		For >25 To 50, Add	*129.60*	
		For >50 To 100, Add	*64.80*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	875.38	47.37
		For Up To 25, Add	*218.85*	
		For >25 To 50, Add	*131.31*	
		For >50 To 100, Add	*65.65*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,146.99	47.37
		For Up To 25, Add	*286.75*	
		For >25 To 50, Add	*172.05*	
		For >50 To 100, Add	*86.02*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,378.37	47.37
		For Up To 25, Add	*344.59*	
		For >25 To 50, Add	*206.76*	
		For >50 To 100, Add	*103.38*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,685.31	47.37
		For Up To 25, Add	*421.33*	
		For >25 To 50, Add	*252.80*	
		For >50 To 100, Add	*126.40*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,299.46	112.80
		For Up To 25, Add	*574.87*	
		For >25 To 50, Add	*344.92*	
		For >50 To 100, Add	*172.46*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,180.15	112.80
		For Up To 25, Add	*795.04*	
		For >25 To 50, Add	*477.02*	
		For >50 To 100, Add	*238.51*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,762.42	112.80
		For Up To 25, Add	*940.61*	
		For >25 To 50, Add	*564.36*	
		For >50 To 100, Add	*282.18*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,635.72	112.80
		For Up To 25, Add	*1,158.93*	
		For >25 To 50, Add	*695.36*	
		For >50 To 100, Add	*347.68*	
26 25 16 00-0012		277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)* Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	991.44	50.76
		For Up To 25, Add	*247.86*	
		For >25 To 50, Add	*148.72*	
		For >50 To 100, Add	*74.36*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,006.26	50.76
		For Up To 25, Add	*251.57*	
		For >25 To 50, Add	*150.94*	
		For >50 To 100, Add	*75.47*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,296.09	50.76
		For Up To 25, Add	*324.02*	
		For >25 To 50, Add	*194.41*	
		For >50 To 100, Add	*97.21*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,536.54	50.76
		For Up To 25, Add	*384.14*	
		For >25 To 50, Add	*230.48*	
		For >50 To 100, Add	*115.24*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,856.61	50.76
		For Up To 25, Add	*464.15*	
		For >25 To 50, Add	*278.49*	
		For >50 To 100, Add	*139.25*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,854.53	86.86
		For Up To 25, Add	*713.63*	
		For >25 To 50, Add	*428.18*	
		For >50 To 100, Add	*214.09*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,580.45	86.86
		For Up To 25, Add	*895.11*	
		For >25 To 50, Add	*537.07*	
		For >50 To 100, Add	*268.53*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,236.18	161.30
		For Up To 25, Add	*1,059.05*	
		For >25 To 50, Add	*635.43*	
		For >50 To 100, Add	*317.71*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,226.32	161.30
		For Up To 25, Add	*1,306.58*	
		For >25 To 50, Add	*783.95*	
		For >50 To 100, Add	*391.97*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0002		**Meter Socket Base** *(26 27 13 00-0001)*		
		Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.		
26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	300.08	73.32
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	320.57	73.32
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	352.96	81.78
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	366.12	81.78
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	405.84	90.24
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	411.67	90.24
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,069.60	143.26
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,388.99	160.18
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	3,187.27	177.10
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	3,063.56	564.00
26 27 13 00-0013		**Meter Device** *(26 27 13 00-0001)*		
		Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.		
26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	322.04	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	383.27	23.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.04*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	472.08	23.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.21*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	934.90	23.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.41*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,314.64	25.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.26*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	2,140.65	28.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.95*	
26 27 13 00-0020		**Current Transformer Enclosure** *(26 27 13 00-0001)*		
26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	607.22	146.64
26 27 13 00-0022		**120/240 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0023		**800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,268.01	70.50
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,674.08	84.60
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,077.96	98.70
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,408.91	112.80
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,148.67	126.90
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,397.85	141.00
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,962.52	169.20
26 27 13 00-0031		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,372.92	70.50
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,130.37	84.60
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,313.79	112.80
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,783.94	126.90
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	6,027.54	141.00
26 27 13 00-0037		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,947.58	98.70
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,568.01	112.80
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,148.67	126.90
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,707.23	141.00
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,685.65	155.10
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,912.75	169.20
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,096.14	197.40
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,048.07	98.70
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,004.40	112.80
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,651.87	141.00
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,055.74	155.10
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,763.38	169.20
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,375.75	84.60
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,806.15	98.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,234.33	112.80
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,596.21	126.90
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,198.97	141.00
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,448.15	155.10
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	4,255.90	183.30
26 27 13 00-0060		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,489.53	84.60
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,291.16	98.70
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,761.84	126.90
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,232.01	141.00
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,343.05	155.10
26 27 13 00-0066		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,055.35	112.80
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,684.63	126.90
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,331.59	141.00
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,890.15	155.10
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,912.79	169.20
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,139.83	183.30
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,411.66	211.50
26 27 13 00-0074		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,186.78	112.80
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,209.41	126.90
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,055.77	155.10
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,327.03	169.20
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,056.80	183.30
26 27 13 00-0080		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0081		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,268.01	70.50
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,674.08	84.60
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,408.91	112.80
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,148.67	126.90
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,906.11	141.00
26 27 13 00-0087		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,372.92	70.50
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,130.35	84.60
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,534.76	112.80
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,004.92	126.90
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,027.54	141.00
26 27 13 00-0093		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,947.58	98.70
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,568.01	112.80
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,707.23	141.00
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,685.65	155.10
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,912.75	169.20
26 27 13 00-0099		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,048.08	98.70
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,004.40	112.80
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,651.87	141.00
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,055.74	155.10
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	7,763.42	169.20
26 27 13 00-0105		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0106		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,375.75	84.60
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,806.15	98.70
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,596.21	126.90
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,419.95	141.00
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,890.12	155.10
26 27 13 00-0112		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,489.51	84.60
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,291.15	98.70
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,540.86	126.90
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,011.02	141.00
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	6,343.02	155.10
26 27 13 00-0118		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,055.33	112.80
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,684.61	126.90
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,890.12	155.10
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,912.75	169.20
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,139.83	183.30
26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,186.76	112.80
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,209.39	126.90
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,055.74	155.10
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,327.03	169.20
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	8,056.80	183.30
26 27 13 00-0130		Watt/Hour Meters *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,435.64	67.68
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	4,108.58	135.36
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	2,148.57	101.52
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,653.25	101.52
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	2,222.70	101.52
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,519.16	93.62
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,590.93	169.20
26 27 13 00-0138		Watt/Hour Meter Systems *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,476.89	676.92
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	7,667.94	676.92
26 27 13 00-0142		Watt/Hour Meter System With Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	11,706.19	676.92
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	14,303.34	676.92
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	15,404.77	676.92
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable *(26 27 16)*		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	73.21	22.56
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.25	24.82
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	91.38	27.07
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	106.69	31.59
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	116.38	33.84
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	126.82	36.10
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	126.44	36.10
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	137.15	38.35
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	148.44	40.61
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	192.06	54.15
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	233.05	65.43
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	221.10	63.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	92.13	27.07
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	112.24	31.59
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	133.80	38.35
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	144.80	40.61
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	156.04	42.86
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	167.82	45.12
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	212.70	58.66
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	257.55	72.19
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	248.28	69.94
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	323.59	90.24
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	418.95	103.78
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	480.47	112.80
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	536.69	119.56
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	587.27	124.08
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	410.15	90.24
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	51.62	15.79
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	73.78	22.56
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	82.51	24.82
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	57.48	18.05
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	71.15	22.56
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	79.70	24.82
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	88.43	27.07
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	103.18	31.59
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	112.38	33.84
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	122.12	36.10
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	121.71	36.10
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	131.92	38.35
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	142.48	40.61
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	185.77	54.15
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	229.84	67.68
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	213.06	63.17
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	276.33	81.21
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	408.32	101.52
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.01	27.07
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	98.51	29.33
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	113.52	33.84
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.92	38.35
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	139.31	40.61
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	149.82	42.86
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	160.81	45.12
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	205.37	58.66
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	252.26	72.19
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	238.96	69.94
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	311.12	90.24
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	393.88	103.78
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	455.07	112.80
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	492.65	119.56
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	542.86	124.08
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	128.92	38.35
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	177.48	49.63
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	225.59	63.17
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	279.66	78.96
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	266.54	76.70
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	330.35	94.76
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	366.85	108.29
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	431.79	115.05
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	501.99	124.08
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	534.83	130.85
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	563.15	135.36
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	580.19	135.36
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	303.29	85.72
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	400.51	110.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	402.18	117.31
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	537.14	126.34
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	621.45	139.87
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	696.12	144.38
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	744.29	151.15
26 27 16 00-0090		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	442.30	121.82
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	436.21	128.60
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	590.00	139.87
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	677.92	153.40
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	767.82	160.18
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	811.04	166.95
26 27 16 00-0097		NEMA 1 Enclosures For Up To 6 Boards, Lockable *(26 27 16)*		
26 27 16 00-0098		4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,253.64	99.27
26 27 16 00-0100		NEMA 12 Enclosures, Lockable *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	108.68	18.05
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	141.10	24.82
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	174.28	31.59
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	188.80	33.84
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	212.56	36.10
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	229.14	38.35
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	156.81	27.07
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	172.93	29.33
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	232.43	18.05
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	277.28	24.82
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	314.04	27.07
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	359.00	31.59
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	368.59	33.84
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	437.18	36.10
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	469.60	38.35
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	535.83	40.61
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	339.11	27.07
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	383.97	29.33
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	417.63	33.84
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	493.67	40.61
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	535.63	45.12
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	745.74	58.66
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,155.95	90.24
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,521.10	103.78
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,717.00	112.80
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,582.78	115.05
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,828.17	124.08
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,012.25	130.85
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,222.89	135.36
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,191.38	135.36
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,141.55	183.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0141		**10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,203.79	203.04
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,269.55	217.14
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,505.34	270.72
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,607.31	319.23
26 27 16 00-0146		**12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures** *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,644.33	319.23
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,528.33	338.40
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,695.57	360.96
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,713.55	360.96
26 27 16 00-0151		**NEMA 3 Enclosures, Lockable** *(26 27 16)*		
		Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		**2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	348.38	78.96
26 27 16 00-0154		**3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	378.51	78.96
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	498.23	81.78
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	518.74	81.78
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	665.54	84.60
26 27 16 00-0159		**4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	492.69	81.78
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	546.31	81.78
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	569.98	84.60
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	734.69	84.60
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	809.73	90.24
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	872.57	95.88
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	911.75	95.88
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,095.96	98.70
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,193.23	101.52
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,653.76	112.80
26 27 16 00-0170		**6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	777.42	87.42
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	988.53	98.70
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,169.14	101.52
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,357.14	104.34
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,449.54	104.34
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,653.26	112.80
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,915.13	126.90
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,803.30	121.26
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,513.89	225.60
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,172.36	282.00
26 27 16 00-0181		**8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,461.78	107.16
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,213.90	141.00
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,251.64	141.00
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,034.54	211.50
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,038.07	225.60
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	10,385.47	394.80
26 27 16 00-0188		**10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,398.96	282.00
26 27 16 00-0190		**12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures** *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	8,377.87	338.40
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,865.04	310.20
26 27 16 00-0193		**NEMA 3R Enclosures, Lockable** *(26 27 16)*		
		Note: Rain-tight enclosures.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0194		Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0193)*		
26 27 16 00-0195		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	102.48	22.56
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	113.20	24.82
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	172.92	27.07
26 27 16 00-0199		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	217.80	33.84
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	243.08	38.35
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	286.41	42.86
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	310.31	45.12
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	404.06	58.66
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	482.04	72.19
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	546.27	90.24
26 27 16 00-0207		8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	841.92	115.05
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	935.69	124.08
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,058.23	130.85
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,114.30	135.36
26 27 16 00-0212		10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,045.51	139.87
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,181.08	157.93
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,307.44	174.84
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,440.77	192.89
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,568.26	209.81
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	669.78	110.54
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,045.51	139.87
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,249.76	144.38
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,595.92	157.93
26 27 16 00-0222		12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,027.62	111.68
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,152.02	125.21
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,275.30	138.74
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,410.88	153.40
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.28	166.95
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	767.64	83.47
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,027.62	111.68
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,152.02	125.21
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,356.97	146.64
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.28	166.95
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,455.83	164.69
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,535.28	166.95
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,619.68	171.46
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,810.05	180.48
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,966.64	189.50
26 27 16 00-0238		Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0193)*		
26 27 16 00-0239		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	74.23	18.05
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	89.17	22.56
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	98.52	24.82
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	109.58	27.07
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	127.14	31.59
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	139.02	33.84
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	152.09	36.10
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	151.29	36.10
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	166.20	38.35
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	179.27	40.61
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	269.47	63.17
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	361.76	81.21
26 27 16 00-0252		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	101.63	27.07
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	141.17	33.84
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	159.90	38.35
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.07	40.61
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	172.89	40.61
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	188.02	42.86
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	203.29	45.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	265.50	58.66
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	303.74	69.94
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	407.74	90.24
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	423.42	97.01
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	489.61	103.78
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	554.76	112.80
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	228.24	49.63
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	326.71	76.70
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	451.59	99.27
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	541.58	115.05
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	617.63	124.08
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	691.75	130.85
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	497.37	110.54
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	676.42	139.87
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	749.36	144.38
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	748.15	153.40
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,079.38	166.95
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,116.41	171.46
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,321.71	180.48
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	122.83	15.79
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	142.77	19.18
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	178.16	24.82
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	168.69	24.82
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	225.00	33.84
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	281.37	40.61
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	259.35	38.35
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	302.08	45.12
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	356.27	51.88
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	430.13	65.43
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	111.83	15.79
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	157.71	24.82
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	139.17	21.66
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	147.53	23.47
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	179.80	30.68
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	211.31	33.84
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	274.30	42.86
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	320.35	50.76
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	444.17	81.21
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	253.81	18.05
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	296.76	24.82
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	374.49	33.84
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	454.96	40.61
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	559.64	51.88
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	657.98	65.43
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	333.29	15.79
		For 316 Stainless Steel, Add	*47.01*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	432.35	22.56
		For 316 Stainless Steel, Add	*60.15*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	490.34	24.82
		For 316 Stainless Steel, Add	*68.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	561.95	27.07
		For 316 Stainless Steel, Add	*79.08*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	689.83	33.84
		For 316 Stainless Steel, Add	*96.84*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	972.95	42.86
		For 316 Stainless Steel, Add	*138.53*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,213.80	51.88
		For 316 Stainless Steel, Add	*173.45*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,461.68	65.43
		For 316 Stainless Steel, Add	*207.70*	

26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	149.35	24.82
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	168.78	27.07
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	192.71	31.59
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	209.84	33.84
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	242.93	38.35
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	226.85	38.35
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	265.64	42.86
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	334.22	51.88
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	423.52	71.07
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	537.54	102.31
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	162.00	24.82
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	183.73	27.07
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	208.79	31.59
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	229.36	33.84
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	263.61	38.35
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	246.39	38.35
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	292.14	42.86
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	348.00	51.88
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	452.25	71.07
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	568.55	102.31

26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	184.98	24.82
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	197.51	27.07
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	223.72	31.59
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	242.00	33.84
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	287.75	38.35
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	262.48	38.35
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	325.44	42.86
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	385.93	51.88
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	468.33	71.07
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	596.12	102.31
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	194.17	24.82
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	214.73	27.07
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	239.80	31.59
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	259.23	33.84
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	310.73	38.35
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	281.99	38.35
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	349.58	42.86
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	397.41	51.88
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	506.23	71.07
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	636.34	102.31

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,722.97	126.90
		For Mounting Pan, Add	*77.77*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,345.57	135.36
		For Mounting Pan, Add	*144.91*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,723.22	152.28
		For Mounting Pan, Add	*199.83*	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,407.61	152.28
		For Mounting Pan, Add	*101.61*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,171.50	156.51
		For Mounting Pan, Add	*199.83*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,238.00	169.20
		For Mounting Pan, Add	*152.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,326.71	169.20
		For Mounting Pan, Add	*178.84*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,726.46	211.50
		For Mounting Pan, Add	*234.63*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,462.84	190.35
		For Mounting Pan, Add	*146.50*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,605.01	211.50
		For Mounting Pan, Add	*219.21*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,068.74	380.70
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,652.67	253.80
		For Mounting Pan, Add	*287.14*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,344.00	423.00
		For Mounting Pan, Add	*263.61*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,871.41	423.00
		For Mounting Pan, Add	*428.55*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,784.80	190.35
		For Mounting Pan, Add	*152.85*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,812.37	190.35
		For Mounting Pan, Add	*178.84*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,337.43	190.35
		For Mounting Pan, Add	*234.63*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,806.21	211.50
		For Mounting Pan, Add	*146.50*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,926.51	380.70
		For Mounting Pan, Add	*219.21*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,426.99	465.31
		For Mounting Pan, Add	*294.91*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,383.68	549.90
		For Mounting Pan, Add	*443.52*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,550.07	465.31
		For Mounting Pan, Add	*287.14*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,766.15	465.31
		For Mounting Pan, Add	*263.61*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,723.42	507.60
		For Mounting Pan, Add	*395.15*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,645.12	465.31
		For Mounting Pan, Add	*428.55*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,977.52	507.60
		For Mounting Pan, Add	*626.67*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,885.78	507.60
		For Mounting Pan, Add	*835.44*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	20,097.31	676.80
		For Mounting Pan, Add	*1,044.14*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,267.13	549.90
		For Mounting Pan, Add	*970.87*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	27,784.22	846.00
		For Mounting Pan, Add	*1,329.11*	

26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,939.52	549.90
		For Mounting Pan, Add	*443.52*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,830.54	507.60
		For Mounting Pan, Add	*395.15*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,980.89	549.90
		For Mounting Pan, Add	*626.67*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,745.15	592.20
		For Mounting Pan, Add	*1,044.14*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,645.75	592.20
		For Mounting Pan, Add	*970.87*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	30,330.60	846.00
		For Mounting Pan, Add	*1,329.11*	

26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,625.23	465.31
		For Mounting Pan, Add	*294.91*	

26 27 16 00-0407 Breaker Enclosures *(26 27 16)*

See CSI section 26 24 16 00-0001 for lighting and power panel boards.

26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	404.69	90.24
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	773.63	90.24
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,945.75	124.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,650.43	135.36
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,918.48	135.36
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	645.58	124.08
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	653.86	124.08
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,244.66	124.08
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,355.18	157.93
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,006.26	157.93
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,002.86	248.16
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,459.72	248.16
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	7,361.60	315.84
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,702.81	315.84
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	1,968.98	473.77
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,508.80	473.77
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	13,229.43	609.12
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	7,052.36	609.12
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,442.32	473.77
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,257.36	473.77
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,926.72	609.12
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	21.95	5.64
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	34.05	5.64

26 27 19 Multi-Outlet Assemblies *(26 27)*

26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	28.44	8.23
		For Concrete Or Masonry Surface, Add	*0.82*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	22.15	5.86
		For Concrete Or Masonry Surface, Add	*0.59*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	20.72	6.20
		For Concrete Or Masonry Surface, Add	*0.62*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	23.03	5.86
		For Concrete Or Masonry Surface, Add	*0.59*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	18.44	5.97
		For Concrete Or Masonry Surface, Add	*0.60*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	25.96	5.86
		For Concrete Or Masonry Surface, Add	*0.59*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	22.77	5.86
		For Concrete Or Masonry Surface, Add	*0.59*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	24.69	5.86
		For Concrete Or Masonry Surface, Add	*0.59*	

26 27 23 Indoor Service Poles *(26 27)*

26 27 23 00-0001		Communication And Power Poles *(26 27 23)* Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	343.87	49.98
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	375.56	49.98
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	412.21	49.98
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)* Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	70.37	10.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	60.36	10.31
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	68.98	10.31
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	49.87	10.31
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	40.23	10.31
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	452.53	49.98
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	520.64	49.98
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	557.39	49.98
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	45.62	10.31
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	40.53	10.31
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	44.17	10.31
26 27 23 00-0023		3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	596.85	49.98
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	678.82	49.98
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	732.86	49.98
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	45.62	10.31
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	40.53	10.31
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	44.17	10.31
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	473.86	49.98
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	531.17	49.98
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	595.42	49.98
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	72.32	10.31
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	73.94	10.31
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	79.33	10.31
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	52.89	10.31
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	40.23	10.31
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	455.96	49.98
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	514.74	49.98
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	583.99	49.98
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	979.53	49.98
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,123.69	49.98
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,285.16	49.98
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	521.66	49.98
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	492.61	49.98
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	637.60	49.98

26 27 26 Wiring Devices *(26 27)*

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001 Receptacles *(26 27 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0002		**General Use Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0003		**Receptacle Assemblies** *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	91.73	40.05
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	98.70	42.86
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	119.32	51.32
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	133.29	56.97
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	109.86	40.05
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	117.79	42.86
26 27 26 00-0010		**Receptacle Components** *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	27.51	11.28
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	26.45	11.28
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	32.68	11.28
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	36.29	11.28
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	46.52	14.10
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	58.36	14.10
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	28.90	11.28
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	27.78	11.28
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	44.04	11.28
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	35.15	11.28
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	46.52	14.10
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	58.36	14.10
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	96.35	14.10
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	96.35	14.10
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	77.61	16.92
26 27 26 00-0026		**Specialty Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0027		**Specialty Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	66.36	19.74
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	66.36	19.74
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	83.66	19.74
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	107.63	19.74
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	113.27	22.56
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	103.42	22.56
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	100.65	22.56
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	86.34	22.56
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	101.70	22.56
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	128.41	22.56
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	134.05	25.38
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	147.26	28.20
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	158.54	33.84
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,541.38	265.08
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	3,998.29	324.30
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	79.88	22.56
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	116.37	33.84
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	79.94	14.10
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,571.93	343.47
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	96.46	11.28
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	66.46	14.10
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	66.19	14.10
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	89.95	22.56
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	75.58	14.10
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	68.48	14.10
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	96.31	16.92
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	74.22	16.92
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	98.93	16.92
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	123.01	16.92
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	117.31	22.56
26 27 26 00-0059		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	1,002.93	28.20
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	921.98	31.02
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,530.86	56.40
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,934.45	56.40
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,442.30	84.60
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,325.45	84.60
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	41.76	14.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	58.16	16.92
26 27 26 00-0069	EA	15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	44.89	19.21
26 27 26 00-0070	EA	20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	76.75	22.56
26 27 26 00-0071		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	81.29	14.10
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	90.08	14.10
26 27 26 00-0074		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	55.95	14.10
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	70.35	14.10
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	61.42	16.92
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	60.79	16.92
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	73.46	16.92
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	89.83	16.92
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	88.02	16.92
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	76.05	16.92
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	85.17	22.56
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	86.69	22.56
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	127.06	22.56
26 27 26 00-0086		**Hospital Grade Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0087	EA	15 Amperes, Heavy-Duty Hospital Grade, NEMA 5-15, Duplex Receptacle	57.61	11.28
26 27 26 00-0088	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	63.08	11.28
26 27 26 00-0089	EA	20 Amperes, Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	73.42	11.28
26 27 26 00-0090	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle	63.86	11.28
26 27 26 00-0091	EA	20 Amperes, Extra Heavy-Duty Hospital Grade, NEMA 5-20, Duplex Receptacle, Isolated Ground	74.56	11.28
26 27 26 00-0092	EA	20 Amperes, Non-Magnetic MRI Hospital Grade, NEMA 5-20, Duplex Receptacle	82.86	11.28
26 27 26 00-0093	EA	120 Volt, Transient Voltage, Surge Suppresser Receptacle Note: Hospital grade receptacle.	181.78	33.84
26 27 26 00-0094		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0095	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	284.15	56.40
26 27 26 00-0096	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	283.44	56.40
26 27 26 00-0097	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	296.80	56.40
26 27 26 00-0098	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	364.76	62.04
26 27 26 00-0099	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	365.87	62.04
26 27 26 00-0100	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	363.30	62.04
26 27 26 00-0101	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	437.39	69.37
26 27 26 00-0102	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	415.66	69.37
26 27 26 00-0103	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	449.68	69.37
26 27 26 00-0104	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	451.85	76.14
26 27 26 00-0105	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	451.42	76.14
26 27 26 00-0106	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	454.50	76.14
26 27 26 00-0107	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	642.27	90.24
26 27 26 00-0108	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	615.95	90.24
26 27 26 00-0109	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	633.08	90.24
26 27 26 00-0110	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	705.06	100.39
26 27 26 00-0111	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	705.57	100.39
26 27 26 00-0112	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	706.08	100.39
26 27 26 00-0113	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	784.34	112.80
26 27 26 00-0114	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	818.08	112.80
26 27 26 00-0115	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	879.07	124.08
26 27 26 00-0116	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	876.53	124.08
26 27 26 00-0117	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	881.30	124.08
26 27 26 00-0118		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0119	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	85.76	11.28
26 27 26 00-0120	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	177.55	14.10
26 27 26 00-0121		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	28.74	11.28
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	31.92	11.28
26 27 26 00-0124	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	41.06	11.28
26 27 26 00-0125	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	45.34	11.28
26 27 26 00-0126	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	71.07	11.28
26 27 26 00-0127	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	77.20	11.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0128	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	83.06	11.28
26 27 26 00-0129		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0130	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	73.31	11.28
26 27 26 00-0131	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	79.65	11.28
26 27 26 00-0132		**Television Receptacle** *(26 27 26 00-0001)*		
26 27 26 00-0133	EA	TV Receptacle With Cover (Type F), Complete	78.97	26.17
26 27 26 00-0134		**Switches** *(26 27 26)*		
26 27 26 00-0135		**Switches** *(26 27 26 00-0134)*		
26 27 26 00-0136		**Switch Assemblies** *(26 27 26 00-0135)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0137	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	96.43	39.48
26 27 26 00-0138	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	103.85	42.86
26 27 26 00-0139	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	131.55	51.60
26 27 26 00-0140	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	144.14	57.25
26 27 26 00-0141	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	223.52	88.55
26 27 26 00-0142	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	242.41	97.01
26 27 26 00-0143	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	258.97	100.11
26 27 26 00-0144	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	284.15	111.39
26 27 26 00-0145		**Switch Components** *(26 27 26 00-0135)*		
26 27 26 00-0146	EA	15 Amperes, 120/277 Volt, SPST Switch	32.28	11.28
26 27 26 00-0147	EA	15 Amperes, 120/277 Volt, 3-Way Switch	40.97	14.10
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, 4-Way Switch	82.17	22.56
26 27 26 00-0149	EA	15 Amperes, 120/277 Volt, DPST Switch	37.93	11.28
26 27 26 00-0150	EA	15 Amperes, 120/277 Volt, Thermal Switch	76.51	14.10
26 27 26 00-0151	EA	20 Amperes, 120/277 Volt, SPST Switch	38.57	14.10
26 27 26 00-0152	EA	20 Amperes, 120/277 Volt, 3-Way Switch	48.03	16.92
26 27 26 00-0153	EA	20 Amperes, 120/277 Volt, 4-Way Switch	115.79	22.56
26 27 26 00-0154	EA	20 Amperes, 120/277 Volt, DPST Switch	47.63	14.10
26 27 26 00-0155	EA	20 Amperes, 120/277 Volt, DPDT Switch	51.65	14.10
26 27 26 00-0156	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	90.04	14.13
26 27 26 00-0157	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	114.26	14.13
26 27 26 00-0158	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	85.93	16.95
26 27 26 00-0159	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	59.61	19.74
26 27 26 00-0160	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	74.44	22.56
26 27 26 00-0161	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	115.88	22.56
26 27 26 00-0162	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	88.72	22.60
26 27 26 00-0163	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	110.49	22.60
26 27 26 00-0164	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	114.55	28.25
26 27 26 00-0165	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	161.72	31.08
26 27 26 00-0166	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	72.74	18.48
26 27 26 00-0167	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	105.93	18.48
26 27 26 00-0168	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	91.62	18.48
26 27 26 00-0169	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	86.70	18.48
26 27 26 00-0170	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	100.77	9.16
26 27 26 00-0171	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	107.44	9.16
26 27 26 00-0172	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	111.17	35.26
26 27 26 00-0173	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	135.39	35.26
26 27 26 00-0174	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	165.49	11.30
26 27 26 00-0175	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	89.14	11.30
26 27 26 00-0176	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	283.01	11.28
26 27 26 00-0177	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	48.70	11.28
26 27 26 00-0178	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	95.29	11.30
26 27 26 00-0179	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	110.02	11.30
26 27 26 00-0180	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	142.15	11.30
26 27 26 00-0181	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	170.55	11.30
26 27 26 00-0182		**Specialty Switches** *(26 27 26 00-0134)*		
26 27 26 00-0183		**Dimmers With SPST Switch** *(26 27 26 00-0182)*		
26 27 26 00-0184	EA	600 Watt Dimmers With SPST Switch	71.77	25.38
26 27 26 00-0185	EA	1,000 Watt Dimmers With SPST Switch	137.32	25.38
26 27 26 00-0186	EA	1,500 Watt Dimmers With SPST Switch	250.97	40.84
26 27 26 00-0187	EA	2,000 Watt Dimmers With SPST Switch	334.62	40.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0188	EA	600 Watt Fluorescent Dimmer Switch	180.76	30.12
26 27 26 00-0189	EA	1,000 Watt Fluorescent Dimmer Switch	252.73	30.12
26 27 26 00-0190	EA	1,500 Watt Fluorescent Dimmer Switch	464.31	45.46
26 27 26 00-0191	EA	Remote Speed Switch For Paddle Fan	121.45	37.56
26 27 26 00-0192	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	204.77	56.06
26 27 26 00-0193		**Time Switches** *(26 27 26 00-0182)*		
26 27 26 00-0194	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	143.40	33.84
26 27 26 00-0195	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	147.19	33.84
26 27 26 00-0196	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	143.40	33.84
26 27 26 00-0197	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	147.19	33.84
26 27 26 00-0198	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	168.64	33.84
26 27 26 00-0199	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	168.64	33.84
26 27 26 00-0200	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	317.56	33.84
26 27 26 00-0201	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	317.56	33.84
26 27 26 00-0202	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	269.78	33.84
26 27 26 00-0203	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	298.96	33.84
26 27 26 00-0204	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	298.96	33.84
26 27 26 00-0205	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	367.91	33.84
26 27 26 00-0206	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	379.52	33.84
26 27 26 00-0207	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	143.40	33.84
26 27 26 00-0208	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	147.19	33.84
26 27 26 00-0209	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	143.40	33.84
26 27 26 00-0210	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	147.19	33.84
26 27 26 00-0211	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	168.64	33.84
26 27 26 00-0212	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	168.64	33.84
26 27 26 00-0213	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	317.56	33.84
26 27 26 00-0214	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	317.56	33.84
26 27 26 00-0215	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	367.91	33.84
26 27 26 00-0216	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	379.52	33.84
26 27 26 00-0217		**Low Voltage Switching** *(26 27 26 00-0182)*		
26 27 26 00-0218	EA	36 Pin Male Or Female Connector	267.36	11.28
26 27 26 00-0219		**Other Switches** *(26 27 26 00-0182)*		
26 27 26 00-0220	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	38.52	16.92
26 27 26 00-0221	EA	SPST Locking Switch For Concealed Devices	122.79	45.12
26 27 26 00-0222	EA	3-Way Locking Switch For Concealed Devices	124.82	45.12
26 27 26 00-0223	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	142.04	42.19
26 27 26 00-0224	EA	15 Amperes Momentary Contact Switch	133.77	42.19
26 27 26 00-0225	EA	20 Amperes Momentary Contact Switch	142.48	42.19
26 27 26 00-0226	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	125.99	50.85
26 27 26 00-0227	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	128.42	50.85
26 27 26 00-0228	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	158.30	62.15
26 27 26 00-0229	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	143.97	56.50
26 27 26 00-0230	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	144.58	56.50
26 27 26 00-0231		**Hospital Grade Switches** *(26 27 26 00-0182)*		
26 27 26 00-0232	EA	15 Amperes, 120/277 Volt, SPST Hospital Grade Switch	32.28	11.28
26 27 26 00-0233	EA	20 Amperes, 120/277 Volt, SPST Hospital Grade Switch	38.57	14.10
26 27 26 00-0234		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0235		**Wall Plates** *(26 27 26 00-0234)*		
26 27 26 00-0236		**Nylon Wall Plates** *(26 27 26 00-0235)*		
26 27 26 00-0237	EA	1 Gang Nylon Switch Wall Plates	1.92	0.56
26 27 26 00-0238	EA	2 Gang Nylon Switch Wall Plates	3.29	0.84
26 27 26 00-0239	EA	3 Gang Nylon Switch Wall Plates	4.70	1.13
26 27 26 00-0240	EA	4 Gang Nylon Switch Wall Plate	6.85	1.42
26 27 26 00-0241	EA	1 Gang Duplex Nylon Wall Plate	1.94	0.56
26 27 26 00-0242	EA	2 Gang Duplex Nylon Wall Plate	3.38	0.84
26 27 26 00-0243		**Plastic Wall Plates** *(26 27 26 00-0235)*		
26 27 26 00-0244	EA	1 Gang Plastic Switch Wall Plates	1.76	0.56
26 27 26 00-0245	EA	2 Gang Plastic Switch Wall Plates	2.97	0.84
26 27 26 00-0246	EA	3 Gang Plastic Switch Wall Plates	4.19	1.13
26 27 26 00-0247	EA	4 Gang Plastic Switch Wall Plates	6.85	1.42
26 27 26 00-0248	EA	1 Gang Duplex Plastic Wall Plate	1.76	0.56
26 27 26 00-0249	EA	2 Gang Duplex Plastic Wall Plate	2.98	0.84
26 27 26 00-0250		**Thermoplastic Wall Plates (Hospital Grade)** *(26 27 26 00-0235)*		
26 27 26 00-0251	EA	1 Gang Thermoplastic Hospital Grade Switch Wall Plate	9.46	0.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0252	EA	2 Gang Thermoplastic Hospital Grade Switch Wall Plate	11.39	0.84
26 27 26 00-0253	EA	3 Gang Thermoplastic Hospital Grade Switch Wall Plate	17.93	1.13
26 27 26 00-0254	EA	4 Gang Thermoplastic Hospital Grade Switch Wall Plate	26.32	1.42
26 27 26 00-0255	EA	1 Gang Duplex Thermoplastic Hospital Grade Wall Plate	14.07	0.56
26 27 26 00-0256	EA	2 Gang Duplex Thermoplastic Hospital Grade Wall Plate	22.15	0.84
26 27 26 00-0257		**Brass Wall Plates** *(26 27 26 00-0235)*		
26 27 26 00-0258	EA	1 Gang, 0.04" Brass Switch Wall Plates	20.02	2.54
26 27 26 00-0259	EA	2 Gang, 0.04" Brass Switch Wall Plates	38.29	2.94
26 27 26 00-0260	EA	3 Gang, 0.04" Brass Switch Wall Plates	56.47	3.27
26 27 26 00-0261	EA	4 Gang, 0.04" Brass Switch Wall Plates	88.49	3.55
26 27 26 00-0262	EA	5 Gang, 0.04" Brass Switch Wall Plates	108.02	3.79
26 27 26 00-0263	EA	6 Gang, 0.04" Brass Switch Wall Plates	125.20	3.96
26 27 26 00-0264	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	20.02	2.54
26 27 26 00-0265	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	45.10	2.94
26 27 26 00-0266	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	65.43	3.27
26 27 26 00-0267		**Stainless Steel Wall Plates** *(26 27 26 00-0235)*		
26 27 26 00-0268	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	10.20	2.54
26 27 26 00-0269	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	16.84	2.94
26 27 26 00-0270	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	23.88	3.27
26 27 26 00-0271	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	35.57	3.55
26 27 26 00-0272	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	42.06	3.79
26 27 26 00-0273	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	51.14	3.96
26 27 26 00-0274	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	11.28	2.54
26 27 26 00-0275	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	19.38	2.94
26 27 26 00-0276	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	32.31	3.27
26 27 26 00-0277	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	39.22	3.55
26 27 26 00-0278		**Chrome Wall Plates** *(26 27 26 00-0235)*		
26 27 26 00-0279	EA	1 Gang, 0.040" Chrome Switch Wall Plate	41.16	2.54
26 27 26 00-0280	EA	2 Gang 0.040" Chrome Switch Wall Plate	77.90	2.94
26 27 26 00-0281	EA	3 Gang 0.040" Chrome Switch Wall Plate	114.64	3.27
26 27 26 00-0282	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	41.13	2.54
26 27 26 00-0283		**Ceramic Wall Plates** *(26 27 26 00-0235)*		
26 27 26 00-0284	EA	1 Gang, Ceramic Switch Wall Plate	21.17	3.10
26 27 26 00-0285	EA	1 Gang, Ceramic Duplex Receptacle Wall Plate	21.17	3.10
26 27 26 00-0286	EA	2 Gang, Ceramic Switch Wall Plate	24.64	2.94
26 27 26 00-0287	EA	2 Gang, Ceramic Combination Switch/Receptacle Wall Plate	24.64	2.94
26 27 26 00-0288	EA	3 Gang, Ceramic Switch Wall Plate	32.16	3.27
26 27 26 00-0289		**Weatherproof Covers** *(26 27 26 00-0234)*		
26 27 26 00-0290		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0289)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	15.53	0.56
26 27 26 00-0292	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	16.86	0.56
26 27 26 00-0293	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	16.86	0.56
26 27 26 00-0294	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	16.86	0.56
26 27 26 00-0295	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	20.56	0.84
26 27 26 00-0296	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	23.44	0.84
26 27 26 00-0297	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	23.73	0.84
26 27 26 00-0298	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	23.73	0.84
26 27 26 00-0299	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	32.50	0.84
26 27 26 00-0300	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	30.52	1.13
26 27 26 00-0301	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	33.46	1.13
26 27 26 00-0302		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0289)* Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0303	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	19.11	0.56
26 27 26 00-0304	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	62.04	0.56
26 27 26 00-0305	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	69.63	0.56
26 27 26 00-0306	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	18.97	0.56
26 27 26 00-0307	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	52.52	0.56
26 27 26 00-0308	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	87.67	0.56
26 27 26 00-0309	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	111.74	0.56
26 27 26 00-0310	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	23.73	0.84
26 27 26 00-0311	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	176.56	0.84
26 27 26 00-0312	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	39.94	1.13
26 27 26 00-0313	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	168.41	1.13
26 27 26 00-0314		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0289)* Note: Includes electrostatically applied powder coating and neoprene gasket.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0315	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	6.27	0.56
26 27 26 00-0316	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	8.15	0.56
26 27 26 00-0317	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	10.88	0.84
26 27 26 00-0318	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	11.86	0.84
26 27 26 00-0319	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	11.86	0.84
26 27 26 00-0320	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	13.27	0.84

26 27 26 00-0321 Heavy-Duty Die Cast Aluminum Weatherproof Covers *(26 27 26 00-0289)*

Note: Includes baked on lacquer finish and neoprene gasket.

26 27 26 00-0322	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	67.47	0.56

26 27 26 00-0323 Polycarbonate Weatherproof Covers *(26 27 26 00-0289)*

Note: Includes neoprene gasket.

26 27 26 00-0324	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.29	0.56
26 27 26 00-0325	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.29	0.56
26 27 26 00-0326	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	13.29	0.56
26 27 26 00-0327	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.34	0.84
26 27 26 00-0328	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	16.34	0.84

26 27 26 00-0329 High Impact Thermoplastic Weatherproof Covers *(26 27 26 00-0289)*

Note: Includes neoprene gasket.

26 27 26 00-0330	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	97.13	0.56

26 27 26 00-0331 Non-Metallic (PVC) Weatherproof Covers *(26 27 26 00-0289)*

Note: Includes neoprene gasket.

26 27 26 00-0332	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.76	0.56
26 27 26 00-0333	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	13.67	0.84
26 27 26 00-0334	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	12.80	0.56
26 27 26 00-0335	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.31	0.56
26 27 26 00-0336	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	32.83	0.56
26 27 26 00-0337	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	26.60	0.56
26 27 26 00-0338	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	19.80	0.56
26 27 26 00-0339	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	23.19	0.56
26 27 26 00-0340	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	20.72	0.56
26 27 26 00-0341	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	29.83	0.84

26 27 26 00-0342 Removal And Reinstallation Of Wiring Devices *(26 27 26)*

Note: Includes storage and cleaning.

26 27 26 00-0343	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	74.21	
26 27 26 00-0344	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	9.40	

26 27 26 00-0345 In Line Midget Fuseholders *(26 27 26)*

See CSI section 26 28 13 00-0078 for fuses.

26 27 26 00-0346	EA	Single Pole Water Resistant In Line Midget Fuseholder	88.80	
26 27 26 00-0347	EA	Double Pole Water Resistant In Line Midget Fuseholder	216.66	

26 27 26 00-0348 Relay Systems *(26 27 26)*

26 27 26 00-0349	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	90.93	25.38
26 27 26 00-0350	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	402.57	84.60
26 27 26 00-0351	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	692.70	112.80

26 27 26 00-0352 Limit Switches *(26 27 26)*

26 27 26 00-0353 Heavy-Duty Precision Oiltight *(26 27 26 00-0352)*

26 27 26 00-0354 Lever Arm, Plunger, Wobble Stick Type *(26 27 26 00-0353)*

26 27 26 00-0355	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	432.80	71.07

26 27 33 Power Distribution Units *(26 27)*

Note: Includes wiring connections and testing.

26 27 33 00-0001 Liebert Precision Power Center *(26 27 33)*

Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.

26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	22,406.65	346.86
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	27,072.60	375.96
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,858.06	417.36
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	35,516.70	451.20
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	38,726.29	564.00

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	43,427.89	676.80
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	50,104.17	789.61
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	52,655.54	902.40
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	55,601.82	1,015.20
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,954.56	112.80
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,932.49	141.00
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,674.99	169.20
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	1,804.81	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,353.61	

26 27 73 Door Chimes *(26 27)*

26 27 73 00-0001 Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*

Note: Non-electric chime, mounted on door

26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	96.14	21.43

26 27 73 00-0003 Wireless Door Bell System *(26 27 73)*

26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH) Note: Includes 2 push buttons	141.32	
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G) Note: Includes 2 push buttons	132.55	
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300) Note: Includes 2 push buttons	96.72	

26 27 73 00-0007 Door Bell Buzzer System, Wired *(26 27 73)*

26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	674.56	234.96
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	304.86	56.40
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete Note: Includes removal of existing.	119.50	28.20

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	29.41	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.50	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.27	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.10	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	28.25	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	26.00	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.47	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	21.09	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	20.43	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	21.69	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	20.81	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	50.94	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.98	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.74	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	49.38	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.62	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.97	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.58	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.25	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.61	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	40.16	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	58.81	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	57.49	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	58.48	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	57.67	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.47	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0030		250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	110.52	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	109.86	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	123.25	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	108.80	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	329.30	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	238.01	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	216.72	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	228.88	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	438.95	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	470.51	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	506.88	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	387.54	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	879.89	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	828.90	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	642.84	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 28 13 00-0046		600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	83.57	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	77.26	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	71.97	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	73.71	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.21	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	72.75	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	66.99	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	66.41	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	65.63	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	66.77	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	100.99	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.26	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	99.10	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	100.12	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	101.02	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0062		600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*		
26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	194.96	10.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	198.93	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	197.79	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	198.69	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	373.97	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	379.80	11.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.45*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	372.13	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	371.16	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	720.50	13.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	721.87	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	816.23	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	737.91	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,339.13	16.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.17*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,187.42	20.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,032.99	20.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0078		600 Volt AC, Class CC Midget Fuses *(26 28 13)*		
		Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	59.96	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	61.01	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	60.71	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	60.38	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	65.33	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	57.40	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	66.71	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	60.41	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	59.11	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	56.14	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	58.66	8.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	
26 28 13 00-0090		200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse *(26 28 13)*		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.17	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.86	5.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.38*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	70.46	6.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.06*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	68.32	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	69.97	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	68.50	8.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.08*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	86.76	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	70.26	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	131.82	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	110.61	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	128.57	11.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.77*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	109.83	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	107.55	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	172.23	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	184.82	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	181.61	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	153.87	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	388.63	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	327.11	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	307.92	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	312.82	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	255.59	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	683.57	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	630.16	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	578.76	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	633.46	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	515.72	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,126.04	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	948.62	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	697.87	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	

26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*

26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,191.38	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,195.74	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,199.79	14.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.46*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,189.84	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,015.46	16.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.15*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,154.93	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,981.81	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,218.88	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,175.20	19.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.84*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,929.74	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,982.28	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,642.68	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,920.22	22.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,957.61	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,693.14	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,483.76	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,664.24	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,714.50	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,841.33	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,787.02	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,414.37	25.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.23*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,121.35	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,526.08	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,887.85	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,913.42	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,685.60	28.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,363.02	31.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,054.15	31.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,510.67	31.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,065.26	31.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,588.96	31.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,892.82	31.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.61*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	65.09	20.31
		For Bolt-On, Add	*16.03*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	65.09	20.31
		For Bolt-On, Add	*16.03*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	102.48	25.38
		For Bolt-On, Add	*22.68*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	181.68	25.38
		For Bolt-On, Add	*32.58*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	272.26	25.38
		For Bolt-On, Add	*43.90*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	323.90	25.38
		For Bolt-On, Add	*50.36*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	131.78	25.38
		For Bolt-On, Add	*26.34*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	113.76	30.45
		For Bolt-On, Add	*26.06*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	113.76	30.45
		For Bolt-On, Add	*26.06*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	182.39	40.61
		For Bolt-On, Add	*38.59*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	335.52	50.76
		For Bolt-On, Add	*61.68*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	403.60	56.40
		For Bolt-On, Add	*72.16*	
		For Installation In New Panelboard, Deduct	*-31.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.22*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	364.14	36.10
		For Bolt-On, Add	*59.73*	
		For Installation In New Panelboard, Deduct	*-20.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.36*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	512.30	36.10
		For Bolt-On, Add	*78.25*	
		For Installation In New Panelboard, Deduct	*-20.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.36*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	251.50	40.61
		For Bolt-On, Add	*47.23*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	251.50	40.61
		For Bolt-On, Add	*47.23*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	334.64	50.76
		For Bolt-On, Add	*61.57*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	538.39	60.91
		For Bolt-On, Add	*90.99*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	700.36	71.07
		For Bolt-On, Add	*115.18*	
		For Installation In New Panelboard, Deduct	*-39.48*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.38*	

26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	112.01	20.31
		For Bolt-On, Add	*21.90*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	112.01	20.31
		For Bolt-On, Add	*21.90*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	222.44	25.38
		For Bolt-On, Add	*37.68*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	374.73	25.38
		For Bolt-On, Add	*56.71*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	237.31	30.45
		For Bolt-On, Add	*41.51*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	237.31	30.45
		For Bolt-On, Add	*41.51*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	507.00	40.61
		For Bolt-On, Add	*79.17*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	700.07	50.76
		For Bolt-On, Add	*107.25*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,067.14	56.40
		For Bolt-On, Add	*155.11*	
		For Installation In New Panelboard, Deduct	*-31.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.22*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	394.85	40.61
		For Bolt-On, Add	*65.15*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	394.85	40.61
		For Bolt-On, Add	*65.15*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	610.93	50.76
		For Bolt-On, Add	*96.11*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	892.29	60.91
		For Bolt-On, Add	*135.22*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,429.27	71.07
		For Bolt-On, Add	*206.30*	
		For Installation In New Panelboard, Deduct	*-39.48*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.38*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,661.40	76.14
		For Bolt-On, Add	*237.29*	
		For Installation In New Panelboard, Deduct	*-42.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,786.07	81.21
		For Bolt-On, Add	*254.84*	
		For Installation In New Panelboard, Deduct	*-45.12*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.14*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	2,133.59	86.29
		For Bolt-On, Add	*300.26*	
		For Installation In New Panelboard, Deduct	*-47.94*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.53*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	142.86	20.31
		For Bolt-On, Add	*25.75*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	142.86	20.31
		For Bolt-On, Add	*25.75*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	252.91	25.38
		For Bolt-On, Add	*41.48*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	317.69	30.45
		For Bolt-On, Add	*51.56*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	317.69	30.45
		For Bolt-On, Add	*51.56*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	584.08	40.61
		For Bolt-On, Add	*88.80*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,608.74	50.76
		For Bolt-On, Add	*220.83*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	527.50	40.61
		For Bolt-On, Add	*81.73*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	527.50	40.61
		For Bolt-On, Add	*81.73*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	707.47	50.76
		For Bolt-On, Add	*108.17*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,995.51	60.91
		For Bolt-On, Add	*273.13*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	169.04	20.31
		For Bolt-On, Add	*29.03*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	169.04	20.31
		For Bolt-On, Add	*29.03*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	196.24	25.38
		For Bolt-On, Add	*34.40*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	371.23	25.38
		For Bolt-On, Add	*56.27*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	386.01	30.45
		For Bolt-On, Add	*60.10*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	386.01	30.45
		For Bolt-On, Add	*60.10*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	460.30	40.61
		For Bolt-On, Add	*73.33*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	680.12	50.76
		For Bolt-On, Add	*104.76*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	900.58	56.40
		For Bolt-On, Add	*134.29*	
		For Installation In New Panelboard, Deduct	*-31.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.22*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,132.34	65.99
		For Bolt-On, Add	*167.20*	
		For Installation In New Panelboard, Deduct	*-36.66*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,211.17	76.14
		For Bolt-On, Add	*181.01*	
		For Installation In New Panelboard, Deduct	*-42.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	461.44	40.61
		For Bolt-On, Add	*73.47*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	461.44	40.61
		For Bolt-On, Add	*73.47*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	534.59	50.76
		For Bolt-On, Add	*86.56*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	847.06	60.91
		For Bolt-On, Add	*129.57*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,114.48	78.96
		For Bolt-On, Add	*169.91*	
		For Installation In New Panelboard, Deduct	*-43.71*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,389.40	91.37
		For Bolt-On, Add	*209.21*	
		For Installation In New Panelboard, Deduct	*-50.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	1,479.13	97.01
		For Bolt-On, Add	*222.40*	
		For Installation In New Panelboard, Deduct	*-53.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.30*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	403.08	30.45
		For Bolt-On, Add	*62.23*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	403.08	30.45
		For Bolt-On, Add	*62.23*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	625.31	40.61
		For Bolt-On, Add	*93.96*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,048.87	50.76
		For Bolt-On, Add	*150.85*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,667.91	63.17
		For Bolt-On, Add	*233.16*	
		For Installation In New Panelboard, Deduct	*-35.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.30*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,903.55	65.99
		For Bolt-On, Add	*263.61*	
		For Installation In New Panelboard, Deduct	*-36.66*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.99*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,071.16	76.14
		For Bolt-On, Add	*288.51*	
		For Installation In New Panelboard, Deduct	*-42.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	586.16	40.61
		For Bolt-On, Add	*89.06*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	586.16	40.61
		For Bolt-On, Add	*89.06*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	739.22	50.76
		For Bolt-On, Add	*112.14*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,309.67	60.91
		For Bolt-On, Add	*187.40*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,936.66	78.96
		For Bolt-On, Add	*272.68*	
		For Installation In New Panelboard, Deduct	*-43.71*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,291.04	91.37
		For Bolt-On, Add	*321.91*	
		For Installation In New Panelboard, Deduct	*-50.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	2,483.96	97.01
		For Bolt-On, Add	*348.00*	
		For Installation In New Panelboard, Deduct	*-53.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.30*	
26 28 16 13-0086		**Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	420.04	30.45
		For Bolt-On, Add	*64.35*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	420.04	30.45
		For Bolt-On, Add	*64.35*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	781.92	40.61
		For Bolt-On, Add	*113.53*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,483.10	50.76
		For Bolt-On, Add	*205.13*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,385.69	63.17
		For Bolt-On, Add	*322.89*	
		For Installation In New Panelboard, Deduct	*-35.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.30*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,729.07	65.99
		For Bolt-On, Add	*366.80*	
		For Installation In New Panelboard, Deduct	*-36.66*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*43.99*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	2,962.01	76.14
		For Bolt-On, Add	*399.86*	
		For Installation In New Panelboard, Deduct	*-42.30*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.76*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	703.61	40.61
		For Bolt-On, Add	*103.74*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	703.61	40.61
		For Bolt-On, Add	*103.74*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	942.81	50.76
		For Bolt-On, Add	*137.59*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,805.82	60.91
		For Bolt-On, Add	*249.42*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,277.74	78.96
		For Bolt-On, Add	*315.31*	
		For Installation In New Panelboard, Deduct	*-43.71*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,708.43	91.37
		For Bolt-On, Add	*499.09*	
		For Installation In New Panelboard, Deduct	*-50.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*60.91*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	3,951.49	97.01
		For Bolt-On, Add	*531.44*	
		For Installation In New Panelboard, Deduct	*-53.58*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.30*	
26 28 16 13-0101		**Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	211.79	20.31
		For Bolt-On, Add	*34.37*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	211.79	20.31
		For Bolt-On, Add	*34.37*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	387.69	25.38
		For Bolt-On, Add	*58.33*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	489.51	30.45
		For Bolt-On, Add	*73.03*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	489.51	30.45
		For Bolt-On, Add	*73.03*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	925.66	40.61
		For Bolt-On, Add	*131.50*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,770.21	50.76
		For Bolt-On, Add	*241.02*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	3,519.72	63.17
		For Bolt-On, Add	*464.64*	
		For Installation In New Panelboard, Deduct	*-35.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.30*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	828.95	40.61
		For Bolt-On, Add	*119.41*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	828.95	40.61
		For Bolt-On, Add	*119.41*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,116.95	50.76
		For Bolt-On, Add	*159.36*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,184.29	60.91
		For Bolt-On, Add	*296.72*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	4,376.64	78.96
		For Bolt-On, Add	*577.68*	
		For Installation In New Panelboard, Deduct	*-43.71*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	
26 28 16 13-0115		**Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	332.23	20.31
		For Bolt-On, Add	*49.42*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	332.23	20.31
		For Bolt-On, Add	*49.42*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	515.78	25.38
		For Bolt-On, Add	*74.34*	
		For Installation In New Panelboard, Deduct	*-14.10*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.92*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	628.85	30.45
		For Bolt-On, Add	*90.45*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	628.85	30.45
		For Bolt-On, Add	*90.45*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,225.63	40.61
		For Bolt-On, Add	*169.00*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,279.18	50.76
		For Bolt-On, Add	*304.64*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	4,652.60	56.40
		For Bolt-On, Add	*603.29*	
		For Installation In New Panelboard, Deduct	*-31.02*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.22*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,108.18	40.61
		For Bolt-On, Add	*154.31*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,108.18	40.61
		For Bolt-On, Add	*154.31*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,548.36	50.76
		For Bolt-On, Add	*213.29*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,562.75	60.91
		For Bolt-On, Add	*344.03*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	5,851.81	78.96
		For Bolt-On, Add	*762.07*	
		For Installation In New Panelboard, Deduct	*-43.71*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	
26 28 16 13-0129		**Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	124.34	20.31
		For Bolt-On, Add	*23.44*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	290.94	30.45
		For Bolt-On, Add	*48.21*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	479.14	40.61
		For Bolt-On, Add	*75.68*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	311.59	20.31
		For Bolt-On, Add	*46.84*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	311.59	20.31
		For Bolt-On, Add	*46.84*	
		For Installation In New Panelboard, Deduct	*-11.28*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	620.09	40.61
		For Bolt-On, Add	*93.30*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	743.63	30.45
		For Bolt-On, Add	*104.80*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	743.63	30.45
		For Bolt-On, Add	*104.80*	
		For Installation In New Panelboard, Deduct	*-16.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.30*	
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,484.32	40.61
		For Bolt-On, Add	*201.33*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,566.29	50.76
		For Bolt-On, Add	*340.53*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	5,773.92	63.17
		For Bolt-On, Add	*746.42*	
		For Installation In New Panelboard, Deduct	*-35.25*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.30*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,272.38	40.61
		For Bolt-On, Add	*174.84*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,272.38	40.61
		For Bolt-On, Add	*174.84*	
		For Installation In New Panelboard, Deduct	*-22.56*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.07*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,786.73	50.76
		For Bolt-On, Add	*243.08*	
		For Installation In New Panelboard, Deduct	*-28.20*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.84*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,771.56	60.91
		For Bolt-On, Add	*370.13*	
		For Installation In New Panelboard, Deduct	*-33.84*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.61*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	7,180.24	78.96
		For Bolt-On, Add	*928.13*	
		For Installation In New Panelboard, Deduct	*-43.71*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.45*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*
Note: Includes fuses and neutral bar.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0004		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	477.11	112.80
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	774.89	135.92
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,081.94	159.05
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,877.56	250.41
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,079.91	389.16
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,858.19	575.28
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,421.25	676.80
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,721.08	789.61
26 28 16 16-0013		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	754.17	125.32
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	910.07	151.04
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,485.81	176.53
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,186.09	278.61
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,876.32	432.25
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,623.02	638.90
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,389.62	751.59
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,651.02	877.36
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	668.53	177.10
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,001.04	235.19
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,381.27	261.13
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,187.62	408.90
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,651.28	671.16
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,657.16	940.19
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	895.17	195.70
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,130.36	261.13
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,720.38	293.85
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,524.02	447.81
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,786.53	723.05
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,383.52	1,044.53
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,185.06	1,240.80
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,517.27	1,410.00
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	644.37	177.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	969.83	235.19
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,324.48	261.13
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,265.72	408.90
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,091.45	671.16
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,319.36	940.19
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,993.69	1,184.40
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,317.47	1,353.61
26 28 16 16-0047		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	983.79	195.70
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,239.28	261.13
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,879.63	293.85
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,762.42	447.81
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,295.17	723.05
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,281.85	1,044.53
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	16,676.51	1,240.80
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	21,128.34	1,410.00
26 28 16 16-0056		**Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)*		
26 28 16 16-0057		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	461.83	163.22
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	728.32	227.07
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,025.13	261.13
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,602.60	417.81
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,294.11	696.31
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,464.28	949.56
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,898.80	1,128.00
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,501.65	1,316.49
26 28 16 16-0066		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	510.19	180.14
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	825.87	254.82
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,160.74	290.12
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,800.29	454.13
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,544.72	746.06
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,044.48	1,044.42
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,810.50	1,128.00
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,750.19	1,316.49
26 28 16 16-0075		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	529.98	146.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	823.12	204.16
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,134.14	235.19
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,777.91	376.18
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,633.19	626.61
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,947.73	854.46
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,500.78	1,015.20
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,764.14	1,184.40
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	577.15	161.86
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	902.54	229.55
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,233.80	261.13
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,916.58	408.90
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,892.68	671.16
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,421.41	940.19
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,104.34	1,015.20
26 28 16 16-0092		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	622.12	162.09
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	979.23	229.32
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,358.53	261.13
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,108.70	408.67
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,161.42	671.38
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,216.77	939.96
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,011.92	1,015.20
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,798.39	1,184.40
26 28 16 16-0101		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	961.94	146.87
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,147.09	204.40
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,802.34	234.96
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,691.79	375.96
26 28 16 16-0106		480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,040.08	161.86
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,249.69	229.55
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,949.74	261.13
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,895.75	408.90
26 28 16 16-0111		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,165.26	162.09
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,387.76	229.32
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,198.04	261.13
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,257.45	408.67
26 28 16 16-0116		General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)* Note: Includes fuses and neutral bar.		
26 28 16 16-0117		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	320.02	98.13
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	444.90	118.10
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	708.73	138.07
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,332.97	217.82
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,271.08	337.83
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,190.95	500.05
26 28 16 16-0124		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	431.78	154.20
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	616.96	204.40
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	886.70	227.07
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,609.65	355.43
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,766.36	583.86
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,832.09	817.35
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	490.19	154.20
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	711.13	204.40
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	972.38	227.07
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,825.52	355.43
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,135.35	583.86
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,066.00	817.35
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	435.89	136.48
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	593.97	156.90
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,399.43	250.76
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,068.57	417.36
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,397.98	568.74
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	412.46	127.69
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	563.64	177.66
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	894.14	204.40
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,552.77	327.01
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,325.05	545.05
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,749.03	742.90
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	719.17	132.54
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,172.95	159.05
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,473.67	184.99
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,150.86	282.00
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,848.55	451.20
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,603.02	601.79
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,024.21	676.80
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,318.30	789.61
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,266.39	176.65
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,504.55	216.57
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,168.24	248.72
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,042.29	373.03
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,732.78	610.36
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,539.38	839.34
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,585.19	966.48
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,460.40	1,087.95
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	895.23	208.68
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,451.72	276.36
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,766.41	303.43
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,607.82	469.82
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,769.65	783.40
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,770.67	1,044.53
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,410.58	247.37

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26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,678.50	303.21
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,279.49	348.10
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,302.13	522.26
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,090.61	854.57
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,013.62	1,175.04
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,594.97	1,353.61
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,313.20	1,522.80
26 28 16 16-0188		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	994.26	208.68
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,454.59	276.36
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,905.67	303.43
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,700.70	469.82
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,854.85	783.40
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	10,707.82	1,044.53
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,184.67	1,184.40
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	22,736.03	1,353.61
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,467.40	247.60
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,742.39	303.43
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,421.48	347.99
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,394.42	522.26
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,424.29	854.46
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,396.99	1,174.81
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,802.18	1,353.61
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	23,904.46	1,522.80
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	688.27	116.08
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,140.08	160.74
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,514.25	184.32
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,984.64	298.47
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,512.85	497.90
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,367.79	663.83
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,619.94	789.94
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,059.45	902.74
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	776.48	127.91
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,293.74	179.02
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,713.22	202.14
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,212.77	313.35
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,145.90	522.26
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,046.00	696.31
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,533.76	827.51
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,265.70	939.96
26 28 16 16-0225		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	804.32	174.05
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,300.77	241.05
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,698.56	276.48
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,283.05	447.70
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,082.06	746.73
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,171.32	995.46
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	14,565.88	1,184.40
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,405.79	1,353.61
26 28 16 16-0234		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	872.42	191.76
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,414.35	268.58
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,833.90	303.21
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,426.94	470.04
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,411.39	783.28
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,781.52	1,044.42
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,549.68	1,240.80
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,709.50	1,410.00
26 28 16 16-0243		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	420.63	191.76
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,472.79	268.58
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,915.37	303.21
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,526.10	470.04
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,668.13	783.28
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,742.29	1,044.42
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,527.70	1,240.80
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,679.59	1,410.00
26 28 16 16-0252		General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		

Note: With fuses, neutral bar, and hub if required.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0253		240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	420.56	115.28
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	607.24	138.29
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	810.42	160.85
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,710.02	245.22
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,300.11	392.32
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,719.76	523.39
26 28 16 16-0260		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	554.06	181.72
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	812.03	240.38
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,015.74	263.73
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,038.21	408.67
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,880.59	681.09
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,500.26	908.49
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	635.94	181.61
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	894.03	240.38
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,279.96	263.73
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,208.90	408.67
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,990.24	681.20
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,356.80	908.49
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,523.69	1,029.18
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	381.26	100.96
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	638.35	139.76
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	663.40	160.29
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,739.26	259.44
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,382.49	432.93
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,831.23	577.20
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	600.56	151.38
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	869.22	209.58
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,310.37	240.38
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,265.79	389.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,045.49	112.80
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,456.92	135.92
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,079.73	158.83
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,008.29	250.65
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,316.27	388.93
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,569.49	575.06
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,605.91	125.32
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,891.29	150.93
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,489.52	176.42
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,741.65	278.61
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,851.32	432.48
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,284.02	638.90
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,269.81	177.32
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,837.73	234.96
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,519.89	261.13
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,825.36	408.67
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,329.15	671.38
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,886.28	939.96
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,754.25	195.83
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,119.65	261.13
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,740.10	293.73
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,101.98	447.59
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,814.22	723.05
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	22,494.15	1,044.42
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,732.88	177.32
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,416.63	234.96
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,678.26	261.13
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,409.38	408.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,446.71	671.38
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	26,170.57	939.96
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,301.44	195.83
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,740.14	261.13
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,922.51	293.73
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,699.24	447.59
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,973.85	723.05
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	26,836.84	1,044.42
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,960.03	112.80
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,374.74	156.90
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,534.56	180.48
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,270.28	288.31
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,440.51	480.08
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,404.38	654.01
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,231.15	124.42
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,707.08	175.97
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,170.87	200.56
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,133.77	313.35
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,009.00	515.72
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,696.96	721.92
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,028.18	146.87
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,436.76	204.40
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,530.84	234.96
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,925.57	375.96
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,946.93	626.72
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,302.61	854.57
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,306.35	162.09
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,813.78	229.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,292.01	261.13
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,324.35	408.67
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,704.83	671.38
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,701.17	939.96
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,819.86	146.87
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,365.34	204.40
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,699.34	234.96
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,735.45	375.96
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,211.12	162.09
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,837.56	229.32
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,784.33	261.13
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,369.90	408.67
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,730.21	195.70
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,230.67	261.13
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,703.18	293.85
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,989.99	447.81
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,505.04	161.86
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,993.74	229.55
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,291.39	261.13
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,880.93	408.90
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,281.17	195.70
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,847.18	261.13
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,869.09	293.85
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,026.35	161.86
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,577.48	229.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,410.48	261.13
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,346.18	225.60
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,770.73	268.58
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,178.62	303.21
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,964.68	470.04
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,546.53	268.58
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,986.40	303.21
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	5,539.40	470.04
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	706.24	112.80
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	928.69	135.92
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,282.21	159.05
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,172.38	250.41
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,718.21	389.16
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,590.47	575.28
26 28 16 16-0410		600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,138.13	125.21
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,161.24	151.15
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,695.79	176.53
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,651.69	278.61
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,884.46	432.03
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,763.23	639.01
26 28 16 16-0417		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	969.92	177.10
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,349.59	235.19
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,876.03	261.13
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,776.81	408.90
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,524.52	671.16
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,947.02	940.19
26 28 16 16-0424		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,314.64	195.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,466.47	261.13
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,213.31	293.85
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,209.72	447.81
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,848.95	723.05
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,064.90	1,044.53
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,043.39	177.10
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,400.06	235.19
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,034.44	261.13
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,975.69	408.90
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,057.02	671.16
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,306.76	940.19
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,399.81	195.70
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,693.66	261.13
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,369.53	293.85
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,507.89	447.81
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,331.72	723.05
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	13,462.47	1,044.53
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	741.99	163.00
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	979.74	227.29
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,315.05	261.13
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,857.66	417.92
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,174.60	696.54
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,672.04	949.78
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	827.78	179.92
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,088.04	254.93
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,466.04	289.90
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,018.32	454.02
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,415.99	746.17
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,372.10	1,044.53
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	954.65	146.64
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,249.26	204.16
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,685.93	235.19
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,381.80	376.18
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,117.69	626.61
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,157.69	854.46
26 28 16 16-0467		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	923.36	161.86
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,346.00	229.55
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,800.15	261.13
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,329.61	408.90
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,112.77	671.16
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	9,760.60	940.19
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,164.82	146.64
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,368.79	204.16
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,175.58	235.19
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,447.87	376.18
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,358.55	479.40
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,204.51	161.86
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,487.99	229.55
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,318.42	261.13
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,529.43	408.90
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,690.90	631.68
26 28 16 16-0486		Double Throw Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	884.53	144.94
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,320.89	189.50
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,863.15	247.60
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,489.18	322.04
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	6,219.32	402.70
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,364.64	645.78
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,944.72	902.40
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,256.43	1,015.20
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,728.56	1,128.00
26 28 16 16-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,104.73	203.04
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,552.54	265.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,367.12	346.86
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,509.23	451.20
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,565.07	564.00
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,885.08	902.40
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,937.47	1,015.20
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,119.37	1,128.00
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,908.69	1,240.80
26 28 16 16-0508	EA	1,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	27,676.79	1,466.40
26 28 16 16-0509	EA	2,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	31,487.79	1,692.00
26 28 16 16-0510	EA	2,600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	43,098.42	1,917.60
26 28 16 16-0511	EA	3,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	47,316.92	2,143.20

26 28 16 16-0512 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0513	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,477.03	253.80
26 28 16 16-0514	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,170.51	331.63
26 28 16 16-0515	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,940.59	433.15
26 28 16 16-0516	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,415.08	562.88
26 28 16 16-0517	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,158.97	705.00
26 28 16 16-0518	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,982.39	1,129.69
26 28 16 16-0519	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,804.58	1,240.80
26 28 16 16-0520	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,886.78	1,297.20
26 28 16 16-0521	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,851.16	1,353.61
26 28 16 16-0522	EA	1,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	32,815.26	1,579.20
26 28 16 16-0523	EA	2,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	37,766.13	1,804.81
26 28 16 16-0524	EA	2,600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	53,950.56	2,030.40
26 28 16 16-0525	EA	3,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	59,645.22	2,256.00

26 28 16 16-0526 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0527	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,542.26	189.50
26 28 16 16-0528	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,340.63	247.60
26 28 16 16-0529	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,474.66	322.04
26 28 16 16-0530	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,398.15	402.70
26 28 16 16-0531	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,384.21	645.78
26 28 16 16-0532	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,058.76	902.40
26 28 16 16-0533	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,979.03	1,015.20
26 28 16 16-0534	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,775.83	1,128.00

26 28 16 16-0535 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0536	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,693.24	265.08
26 28 16 16-0537	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,538.52	346.86
26 28 16 16-0538	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,731.91	451.20
26 28 16 16-0539	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	8,720.51	564.00
26 28 16 16-0540	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,899.25	902.40
26 28 16 16-0541	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,128.18	1,015.20
26 28 16 16-0542	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,970.00	1,128.00
26 28 16 16-0543	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,051.40	1,240.80
26 28 16 16-0544	EA	1,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	31,512.11	1,466.40
26 28 16 16-0545	EA	2,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	35,843.87	1,692.00
26 28 16 16-0546	EA	2,600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	43,098.36	1,917.60
26 28 16 16-0547	EA	3,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	51,619.97	2,143.20

26 28 16 16-0548 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*

26 28 16 16-0549	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,308.91	331.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0550	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,141.40	433.15
26 28 16 16-0551	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,828.65	562.88
26 28 16 16-0552	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,041.72	705.00
26 28 16 16-0553	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	14,972.10	1,129.69
26 28 16 16-0554	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	19,336.88	1,240.80
26 28 16 16-0555	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,016.03	1,297.20
26 28 16 16-0556	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	29,265.55	1,353.61
26 28 16 16-0557	EA	1,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	35,780.94	1,579.20
26 28 16 16-0558	EA	2,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	41,181.78	1,804.81
26 28 16 16-0559	EA	2,600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	58,939.55	2,030.40
26 28 16 16-0560	EA	3,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	65,158.54	2,256.00
26 28 16 16-0561		**NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0562		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0563	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,365.14	247.60
26 28 16 16-0564	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,570.34	322.04
26 28 16 16-0565	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,631.34	402.70
26 28 16 16-0566	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	32,117.69	645.78
26 28 16 16-0567		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0568	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,086.97	346.29
26 28 16 16-0569	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,048.56	450.64
26 28 16 16-0570	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	19,121.67	564.00
26 28 16 16-0571	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	20,607.84	904.10
26 28 16 16-0572		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0573	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,022.72	253.91
26 28 16 16-0574	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,738.39	331.41
26 28 16 16-0575	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,261.62	433.04
26 28 16 16-0576	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,645.43	563.10
26 28 16 16-0577	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,131.82	705.00
26 28 16 16-0578	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,137.41	1,129.80
26 28 16 16-0579		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0580	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,018.12	189.50
26 28 16 16-0581	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,095.93	247.60
26 28 16 16-0582	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,712.12	322.04
26 28 16 16-0583	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,119.63	402.70
26 28 16 16-0584	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,795.54	645.78
26 28 16 16-0585		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,256.13	265.08
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,431.01	346.29
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,236.05	450.64
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,984.88	564.00
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,020.44	904.10
26 28 16 16-0591		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0561)*		
26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,770.49	331.41
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,276.33	433.04
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,849.86	563.10
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,107.68	705.00
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	15,270.45	1,129.80
26 28 16 16-0597		**NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0486)*		
26 28 16 16-0598		**240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0599	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,453.61	145.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0600	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,764.47	189.39
26 28 16 16-0601	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,108.36	247.49
26 28 16 16-0602	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,283.91	321.81
26 28 16 16-0603	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,122.28	402.81
26 28 16 16-0604	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,878.14	645.55
26 28 16 16-0605		**240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0606	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,797.91	203.04
26 28 16 16-0607	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,294.75	265.08
26 28 16 16-0608	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,890.98	346.29
26 28 16 16-0609	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	5,444.22	450.64
26 28 16 16-0610	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,075.65	564.00
26 28 16 16-0611	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,219.84	904.10
26 28 16 16-0612		**240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0613	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,209.87	253.91
26 28 16 16-0614	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,905.21	331.41
26 28 16 16-0615	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,737.84	433.04
26 28 16 16-0616	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,166.98	563.10
26 28 16 16-0617	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	17,171.16	705.00
26 28 16 16-0618	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	21,185.23	1,129.80
26 28 16 16-0619		**600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0620	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,682.98	189.39
26 28 16 16-0621	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,844.13	247.49
26 28 16 16-0622	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,375.58	321.81
26 28 16 16-0623	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,680.13	402.81
26 28 16 16-0624	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	14,277.72	645.55
26 28 16 16-0625		**600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0626	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,008.35	265.08
26 28 16 16-0627	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,218.46	346.29
26 28 16 16-0628	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,986.80	450.64
26 28 16 16-0629	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,521.83	564.00
26 28 16 16-0630	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,474.82	904.10
26 28 16 16-0631		**600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** *(26 28 16 16-0597)*		
26 28 16 16-0632	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,957.53	331.41
26 28 16 16-0633	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,123.84	433.04
26 28 16 16-0634	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,394.49	563.10
26 28 16 16-0635	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	17,660.87	705.00
26 28 16 16-0636	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	21,834.34	1,129.80
26 28 16 16-0637		**Removal And Reinstallation Of Disconnect (Safety) Switches** *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0638	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	564.00	
26 28 16 16-0639	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	733.23	
26 28 16 16-0640	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	817.86	
26 28 16 16-0641	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	958.86	
26 28 16 16-0642		**Bolted Contact Switches** *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0643		**Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0642)*		
26 28 16 16-0644		**Top Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0643)*		
26 28 16 16-0645	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	10,350.12	1,128.00
26 28 16 16-0646	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	11,148.59	1,353.61
26 28 16 16-0647	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	12,087.31	1,579.20
26 28 16 16-0648	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	12,705.46	1,804.81
26 28 16 16-0649	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	14,352.09	2,030.40
26 28 16 16-0650	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	18,122.42	2,256.00
26 28 16 16-0651	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	24,567.82	2,707.20
26 28 16 16-0652		**Bottom Feed, Electrical Trip, Bolted Contact Switches** *(26 28 16 16-0643)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0653	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	10,997.91	1,128.00
26 28 16 16-0654	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	11,923.27	1,353.61
26 28 16 16-0655	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	12,855.31	1,579.20
26 28 16 16-0656	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	13,807.39	1,804.81
26 28 16 16-0657	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	15,540.83	2,030.40
26 28 16 16-0658	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	20,352.97	2,256.00
26 28 16 16-0659	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	26,891.87	2,707.20

26 28 16 16-0660 Manually Operated, Bolted Contact Switches *(26 28 16 16-0642)*

26 28 16 16-0661 Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

26 28 16 16-0662	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,438.37	1,128.00
26 28 16 16-0663	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	8,271.57	1,353.61
26 28 16 16-0664	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	9,159.53	1,579.20
26 28 16 16-0665	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	10,039.48	1,804.81
26 28 16 16-0666	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	10,986.22	2,030.40
26 28 16 16-0667	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	14,756.55	2,256.00
26 28 16 16-0668	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	21,121.81	2,707.20

26 28 16 16-0669 Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0660)*

26 28 16 16-0670	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	7,867.12	1,128.00
26 28 16 16-0671	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	8,919.37	1,353.61
26 28 16 16-0672	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	9,787.30	1,579.20
26 28 16 16-0673	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	10,868.93	1,804.81
26 28 16 16-0674	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	12,028.04	2,030.40
26 28 16 16-0675	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	16,820.14	2,256.00
26 28 16 16-0676	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	23,285.58	2,707.20

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001 Manual Motor Starters *(26 29 13 13)*

26 29 13 13-0002 Fractional HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	231.10	56.50
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	302.91	73.45
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	264.06	56.50
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	335.87	73.45
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.28*	
		For Oversized Enclosure, Add	*32.96*	
		For Pilot Light, Add	*48.34*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	245.39	56.50
		For Oversized Enclosure, Add	*32.96*	
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	321.59	73.45
		For Oversized Enclosure, Add	*32.96*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	510.77	67.80
		For Pilot Light, Add	*126.33*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	585.87	84.75
		For Pilot Light, Add	*126.33*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	543.73	67.80
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	615.54	84.75

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	182.96	56.50
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	304.84	73.45
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	206.98	62.15
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	329.92	79.10
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	213.70	56.50
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	336.64	73.45
		For Oversize Enclosure, Add	*15.90*	
		For Pilot Light, Add	*76.32*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	468.44	67.80
		For Pilot Light, Add	*120.84*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	578.67	84.75
		For Pilot Light, Add	*120.84*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	493.52	73.45
		For Pilot Light, Add	*120.84*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	600.57	90.40
		For Pilot Light, Add	*120.84*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	498.13	67.80
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	616.83	84.75
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	134.22	39.55
		For Pilot Light, Add	*76.32*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	256.10	56.50
		For Pilot Light, Add	*76.32*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	158.24	45.20
		For Pilot Light, Add	*76.32*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	280.12	62.15
		For Pilot Light, Add	*76.32*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	507.62	101.70
		For Pilot Light, Add	*122.96*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	738.67	135.60
		For Pilot Light, Add	*122.96*	

26 29 13 13-0033 Two Speed Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	507.62	101.70
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	738.67	135.60

26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	472.88	67.80
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	472.88	67.80
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	996.42	79.10
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	996.42	79.10
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,308.41	79.10
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	604.24	79.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	406.02	50.85
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	563.27	73.45
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	563.27	73.45
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,195.58	84.75
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,195.58	84.75
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,531.73	84.75
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	694.63	84.75
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	496.42	56.50
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	744.85	79.10
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	744.85	79.10
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,424.39	90.40
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,424.39	90.40
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,746.27	90.40
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	879.50	90.40
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	681.29	62.15
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	585.33	84.75
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	585.33	84.75
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,108.87	96.05
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,108.87	96.05
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,429.65	96.05
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	717.78	96.05
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	521.77	67.80
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	675.73	90.40
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	675.73	90.40
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,308.03	101.70
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,308.03	101.70
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,651.88	101.70
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	807.09	101.70
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	608.87	73.45
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,389.17	118.65
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,389.17	118.65
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,227.99	84.75
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,645.75	129.95
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,484.58	96.05
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,389.17	118.65
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,227.99	84.75
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,645.75	129.95
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,484.58	96.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0083		Magnetic Motor Starters *(26 29 13 13)*		
26 29 13 13-0084		Non-Reversing, Magnetic Contactors *(26 29 13 13-0083)*		
26 29 13 13-0085		Open Enclosure, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	541.28	113.00
		For Factory Installed Accessory, Deduct	*-225.99*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	610.03	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	587.42	113.00
		For Factory Installed Accessory, Deduct	*-225.99*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	657.26	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	726.00	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	917.94	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,158.22	203.40
		For Factory Installed Accessory, Deduct	*-406.80*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	686.93	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	755.67	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	826.59	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,053.53	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,292.70	231.65
		For Factory Installed Accessory, Deduct	*-463.29*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,179.71	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,307.93	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,703.25	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,778.11	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	2,017.44	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,567.67	282.49
		For Factory Installed Accessory, Deduct	*-564.99*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,682.55	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,038.64	282.49
		For Factory Installed Accessory, Deduct	*-564.99*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,433.97	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,016.84	395.49
		For Factory Installed Accessory, Deduct	*-790.99*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,205.33	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,089.37	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	23,699.61	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	33,923.00	1,016.98
		For Factory Installed Accessory, Deduct	*-2,033.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0112		**NEMA 1, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	575.33	113.00
		For Factory Installed Accessory, Deduct	*-225.99*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	644.08	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	621.47	113.00
		For Factory Installed Accessory, Deduct	*-225.99*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	692.42	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	761.16	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	955.29	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,196.67	203.40
		For Factory Installed Accessory, Deduct	*-406.80*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	723.18	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	794.12	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	862.84	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,090.88	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,328.96	231.65
		For Factory Installed Accessory, Deduct	*-463.29*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,342.30	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,471.62	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,865.84	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,097.80	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,336.02	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	2,887.35	282.49
		For Factory Installed Accessory, Deduct	*-564.99*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,701.07	282.49
		For Factory Installed Accessory, Deduct	*-564.99*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,096.40	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,296.69	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,008.96	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	39,247.72	1,016.98
		For Factory Installed Accessory, Deduct	*-2,033.97*	
26 29 13 13-0136		**NEMA 12, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	880.27	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	949.01	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,050.70	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,685.05	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,815.47	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,504.26	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,741.39	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,442.14	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	13,740.68	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	33,231.83	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,309.34	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,357.68	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,426.41	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,654.44	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,598.74	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	3,931.13	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	7,819.74	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	13,740.68	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	36,830.71	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	

26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,635.61	180.80
		For Factory Installed Accessory, Deduct	*-361.59*	

26 29 13 13-0159 Non-Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	650.03	113.00
		For Factory Installed Accessory, Deduct	*-225.99*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	672.64	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	726.47	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	804.00	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,295.54	203.40
		For Factory Installed Accessory, Deduct	*-406.80*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	828.17	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	974.90	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,021.04	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,279.68	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,449.65	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,251.43	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,794.30	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	10,958.02	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	25,256.27	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	36,374.99	1,016.98
		For Factory Installed Accessory, Deduct	*-2,033.97*	
26 29 13 13-0176		**NEMA 1, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	686.29	113.00
		For Factory Installed Accessory, Deduct	*-225.99*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	708.90	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	762.73	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	840.25	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	863.32	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	941.94	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,058.39	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,443.36	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,613.33	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,571.11	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,456.73	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,168.63	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0189		**NEMA 12, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)	950.58	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)	1,028.11	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)	1,051.18	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)	1,129.79	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)	1,246.24	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)	1,787.21	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)	1,956.08	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)	2,976.48	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)	6,801.37	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)	15,609.33	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)	37,308.59	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	

26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)	950.58	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)	1,028.11	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)	1,051.18	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)	1,129.79	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)	1,246.24	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)	1,787.21	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)	1,956.08	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)	2,976.48	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)	6,801.37	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	

26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast aluminum enclosure.

26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)	2,746.10	192.09
		For Factory Installed Accessory, Deduct	*-384.19*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)	3,385.46	192.09
		For Factory Installed Accessory, Deduct	*-384.19*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)	3,487.16	203.40
		For Factory Installed Accessory, Deduct	*-406.80*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)	5,425.18	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)	6,540.06	282.49
		For Factory Installed Accessory, Deduct	*-564.99*	
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,434.16	395.49
		For Factory Installed Accessory, Deduct	*-790.99*	

26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,309.81	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,388.44	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,426.89	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,505.50	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,621.95	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,568.29	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,165.13	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,177.87	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,255.76	451.99
		For Factory Installed Accessory, Deduct	*-903.99*	

26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Glass polyester enclosure.

26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,740.45	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,094.51	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,054.21	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	

26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

Note: Bolted cast iron enclosure.

26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,658.68	180.80
		For Factory Installed Accessory, Deduct	*-361.59*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,746.10	192.09
		For Factory Installed Accessory, Deduct	*-384.19*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,785.64	192.09
		For Factory Installed Accessory, Deduct	*-384.19*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,868.68	203.40
		For Factory Installed Accessory, Deduct	*-406.80*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	3,002.70	203.40
		For Factory Installed Accessory, Deduct	*-406.80*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,432.08	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	

26 29 13 13-0239 Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,241.85	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,311.06	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,452.30	158.20
		For Factory Installed Accessory, Deduct	*-316.39*	
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,505.67	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,544.12	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,652.40	180.80
		For Factory Installed Accessory, Deduct	*-361.59*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,719.26	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,758.80	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,032.51	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,964.57	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,486.27	508.50
		For Factory Installed Accessory, Deduct	*-1,016.98*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	21,469.53	677.99
		For Factory Installed Accessory, Deduct	*-1,355.98*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	69,772.82	1,242.98
		For Factory Installed Accessory, Deduct	*-2,485.96*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,285.17	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,340.72	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,380.27	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,518.22	158.20
		For Factory Installed Accessory, Deduct	*-316.39*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,573.78	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,613.33	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,751.27	180.80
		For Factory Installed Accessory, Deduct	*-361.59*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,818.13	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,857.67	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,289.57	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,409.49	339.00
		For Factory Installed Accessory, Deduct	*-677.99*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,303.60	508.50
		For Factory Installed Accessory, Deduct	*-1,016.98*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,855.01	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,894.56	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,138.91	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,759.76	225.99
		For Factory Installed Accessory, Deduct	*-451.99*	

26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters *(26 29 13 13-0239)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,331.79	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,753.16	180.80
		For Factory Installed Accessory, Deduct	*-361.59*	

26 29 13 13-0275 Magnetic Contactor/Starters Accessories *(26 29 13 13-0083)*

26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	173.57	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	297.59	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	173.57	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	297.59	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	297.59	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	146.62	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	130.34	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	173.57	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	146.62	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	196.12	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	220.53	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	382.14	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	405.94	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	485.50	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	850.05	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	850.05	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	49.66	8.48
		For Factory Installed Accessory, Deduct	*-16.95*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	102.78	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	135.99	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	105.92	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	58.68	8.48
		For Factory Installed Accessory, Deduct	*-16.95*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	34.87	8.48
		For Factory Installed Accessory, Deduct	*-16.95*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	191.72	11.30
		For Factory Installed Accessory, Deduct	*-22.60*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	332.67	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	

26 29 13 13-0300 Definite Purpose Starters *(26 29 13 13)*

26 29 13 13-0301 Open Enclosure, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	597.47	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	596.37	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	645.33	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	637.02	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	692.57	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	672.17	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	777.33	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	868.51	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,096.37	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	613.32	124.30
		For Factory Installed Accessory, Deduct	*-248.60*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	662.29	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	660.09	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	712.34	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	701.84	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	758.48	146.90
		For Factory Installed Accessory, Deduct	*-293.79*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	739.19	135.60
		For Factory Installed Accessory, Deduct	*-271.20*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	843.24	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	931.12	169.50
		For Factory Installed Accessory, Deduct	*-339.00*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,160.09	197.75
		For Factory Installed Accessory, Deduct	*-395.49*	
26 29 13 13-0322		**Definite Purpose Starter Accessory** *(26 29 13 13-0300)*		
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	196.12	14.13
		For Factory Installed Accessory, Deduct	*-28.25*	
26 29 13 13-0324		**Panel Mounted Miniature Contactor** *(26 29 13 13)*		
26 29 13 13-0325		**Non-Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	175.62	56.50
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	206.69	62.15
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	206.69	62.15
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	230.08	67.80
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	195.39	56.50
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	206.38	56.50
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	225.37	62.15
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	236.35	62.15
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	231.96	62.15
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	236.35	62.15
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	252.05	67.80
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	242.94	62.15
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	263.03	67.80
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	245.14	62.15
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	245.14	62.15
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	274.02	67.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	274.02	67.80
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	255.81	56.50
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	277.78	56.50
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	307.76	62.15
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	307.76	62.15
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	329.73	62.15
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	345.43	67.80
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	345.43	67.80
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	296.46	56.50
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	318.43	56.50
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	346.21	62.15
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	368.18	62.15
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	390.47	67.80
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	412.44	67.80
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	334.13	62.15
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	385.76	62.15
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	436.61	67.80
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	73.75	28.25
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	82.23	28.25
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	97.59	28.25
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	128.14	28.25
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,725.00	541.44
		For NEMA 4, Add	*827.39*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,536.42	721.92
		For NEMA 4, Add	*1,511.28*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	23,775.67	857.28
		For NEMA 4, Add	*2,758.32*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	58,179.72	1,049.04
		For NEMA 4, Add	*7,011.35*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	92,884.06	1,342.32
		For NEMA 4, Add	*11,274.79*	
26 29 13 13-0372		**NEMA 12 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,669.87	552.94
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,435.71	723.05
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,591.87	854.57
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	57,712.52	1,044.42
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	92,132.77	1,342.89

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0378		**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	194.93	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	214.99	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	365.96	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	198.83	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	285.90	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	142.95	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	466.59	
26 29 13 13-0386		**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,875.53	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,811.50	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	640.42	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	530.66	
26 29 13 13-0391		**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,478.79	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,533.40	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,642.97	
26 29 13 13-0395		**Factory Modifications Addition** *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	416.29	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volt, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,736.34	259.44
		For Electronic Overloads, Add	*230.68*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,098.22	406.08
		For Electronic Overloads, Add	*243.36*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,967.97	473.77
		For Electronic Overloads, Add	*385.31*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,550.51	586.56
		For Electronic Overloads, Add	*641.35*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,390.87	936.24
		For Electronic Overloads, Add	*1,237.06*	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	16,968.31	1,173.12
		For Electronic Overloads, Add	*2,777.48*	
26 29 13 13-0409		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,216.65	259.44
		For Electronic Overloads, Add	*321.94*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,578.53	406.08
		For Electronic Overloads, Add	*334.62*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,434.94	473.77
		For Electronic Overloads, Add	*474.04*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,804.01	586.56
		For Electronic Overloads, Add	*689.51*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,845.14	936.24
		For Electronic Overloads, Add	*1,513.37*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	20,824.13	1,173.12
		For Electronic Overloads, Add	*3,510.08*	
26 29 13 13-0416		**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	218.73	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	513.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	354.57	
26 29 13 13-0420		**NEMA 4 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,191.23	338.40
		For Electronic Overloads, Add	*474.04*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,501.65	473.77
		For Electronic Overloads, Add	*486.71*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,047.02	518.88
		For Electronic Overloads, Add	*760.49*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,071.07	631.68
		For Electronic Overloads, Add	*1,295.37*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	12,793.71	936.24
		For Electronic Overloads, Add	*2,073.60*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	28,202.22	1,173.12
		For Electronic Overloads, Add	*4,911.92*	
26 29 13 13-0427		**NEMA 4 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,671.54	338.40
		For Electronic Overloads, Add	*565.30*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,981.96	473.77
		For Electronic Overloads, Add	*577.97*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,513.99	518.88
		For Electronic Overloads, Add	*849.21*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,324.56	631.68
		For Electronic Overloads, Add	*1,343.53*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,247.98	936.24
		For Electronic Overloads, Add	*2,349.91*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	26,694.58	1,173.12
		For Electronic Overloads, Add	*4,625.47*	
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	218.76	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	513.74	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	354.57	
26 29 13 13-0438		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,797.04	261.13
		For Electronic Overloads, Add	*242.22*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,162.25	408.67
		For Electronic Overloads, Add	*255.52*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,069.37	470.04
		For Electronic Overloads, Add	*404.58*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,719.28	587.47
		For Electronic Overloads, Add	*673.41*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,716.41	940.07
		For Electronic Overloads, Add	*1,298.92*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	17,699.21	1,174.93
		For Electronic Overloads, Add	*2,916.35*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,370.56	261.13
		For Electronic Overloads, Add	*351.18*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,738.50	408.67
		For Electronic Overloads, Add	*365.01*	
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,661.58	470.04
		For Electronic Overloads, Add	*517.10*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,133.66	587.47
		For Electronic Overloads, Add	*752.15*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,568.68	940.07
		For Electronic Overloads, Add	*1,650.85*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	22,502.28	1,174.93
		For Electronic Overloads, Add	*3,828.93*	
26 29 13 13-0452		**Factory Modifications For NEMA 12 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	216.94	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	509.47	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	351.62	
26 29 13 13-0456		**NEMA 7 Or 9 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,192.57	541.44
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,680.17	721.92
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,174.23	992.64
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,175.12	1,353.61
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	13,826.02	1,895.04

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0462		Factory Modifications For NEMA 7 Or 9 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,300.81	
26 29 13 13-0466		Combination Starters Reversing *(26 29 13 13)*		
26 29 13 13-0467		240-600 Volt, 3 Pole *(26 29 13 13-0466)*		
26 29 13 13-0468		NEMA 1 With Disconnect (Safety) Switch *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,143.13	338.40
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,483.72	473.77
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,624.85	518.88
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,529.26	631.68
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	10,835.54	936.24
26 29 13 13-0474		NEMA 1 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,396.55	338.40
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,754.24	473.77
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,941.53	518.88
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,093.27	631.68
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	11,692.13	936.24
26 29 13 13-0480		NEMA 12 With Disconnect (Safety) Switch *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,290.49	348.22
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,640.96	470.04
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,887.68	522.26
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,964.79	626.72
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,747.71	940.07
26 29 13 13-0486		NEMA 12 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,569.73	348.22
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,939.04	470.04
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,236.62	522.26
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,484.39	626.72
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,691.55	940.07
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,082.46	721.92
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,456.91	902.40
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,850.02	1,173.12
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,500.21	1,534.08
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	22,840.64	2,075.52
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,705.02	203.04
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,059.64	203.04
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)*		
		Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	805.71	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	501.69	112.80
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	501.69	112.80
26 29 13 13-0507	EA	Pilot Light Kit	529.56	112.80
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)*		
		Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,261.34	459.53
		For 6-Pulse Drive Package, Deduct	*-738.19*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,545.00	502.24
		For 6-Pulse Drive Package, Deduct	*-849.84*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,955.35	552.24
		For 6-Pulse Drive Package, Deduct	*-1,017.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	3,111.93	530.83
		For 6-Pulse Drive Package, Deduct	*-1,127.65*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,336.73	578.75
		For 6-Pulse Drive Package, Deduct	*-1,198.58*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,605.40	578.75
		For 6-Pulse Drive Package, Deduct	*-1,346.35*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,307.60	691.03
		For 6-Pulse Drive Package, Deduct	*-1,609.05*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,695.69	691.03
		For 6-Pulse Drive Package, Deduct	*-1,822.50*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	6,200.59	1,040.48
		For 6-Pulse Drive Package, Deduct	*-2,265.80*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	7,275.29	1,040.48
		For 6-Pulse Drive Package, Deduct	*-2,856.89*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	8,883.99	1,382.17
		For 6-Pulse Drive Package, Deduct	*-3,365.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	10,227.35	1,382.17
		For 6-Pulse Drive Package, Deduct	*-4,104.72*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	11,391.60	1,382.17
		For 6-Pulse Drive Package, Deduct	*-4,745.05*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	15,017.43	1,747.25
		For 6-Pulse Drive Package, Deduct	*-6,337.68*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	18,104.87	2,066.95
		For 6-Pulse Drive Package, Deduct	*-7,684.03*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	20,493.07	2,066.95
		For 6-Pulse Drive Package, Deduct	*-8,997.54*	

26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)*

Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.

26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,355.31	826.81
		For 6-Pulse Drive Package, Deduct	*-2,035.94*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,534.42	826.81
		For 6-Pulse Drive Package, Deduct	*-2,134.45*	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,059.97	985.15
		For 6-Pulse Drive Package, Deduct	*-2,249.38*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	6,089.82	985.15
		For 6-Pulse Drive Package, Deduct	*-2,265.80*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,181.38	1,493.52
		For 6-Pulse Drive Package, Deduct	*-2,856.89*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,599.31	1,493.52
		For 6-Pulse Drive Package, Deduct	*-3,086.75*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	10,358.77	1,970.29
		For 6-Pulse Drive Package, Deduct	*-3,530.06*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,851.39	1,970.29
		For 6-Pulse Drive Package, Deduct	*-4,351.00*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	13,403.72	1,970.29
		For 6-Pulse Drive Package, Deduct	*-5,204.78*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	17,543.43	2,502.75
		For 6-Pulse Drive Package, Deduct	*-6,895.93*	
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	23,369.75	2,967.95
		For 6-Pulse Drive Package, Deduct	*-9,588.62*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	24,802.67	2,967.95
		For 6-Pulse Drive Package, Deduct	*-10,376.73*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	28,705.15	3,307.21
		For 6-Pulse Drive Package, Deduct	*-12,149.97*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	30,257.48	3,307.21
		For 6-Pulse Drive Package, Deduct	*-13,003.75*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	33,481.55	3,307.21
		For 6-Pulse Drive Package, Deduct	*-14,776.99*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	38,671.19	3,991.41
		For 6-Pulse Drive Package, Deduct	*-16,878.60*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	48,322.33	4,169.55
		For 6-Pulse Drive Package, Deduct	*-21,990.78*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	56,664.12	4,784.41
		For 6-Pulse Drive Package, Deduct	*-25,902.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	65,161.91	5,188.84
		For 6-Pulse Drive Package, Deduct	*-30,131.26*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	75,487.63	5,602.88
		For 6-Pulse Drive Package, Deduct	*-35,355.09*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	81,360.27	6,075.72
		For 6-Pulse Drive Package, Deduct	*-38,064.86*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,630.68	238.72
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,753.24	265.26
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,050.85	291.78
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,983.46	318.31
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,796.57	371.35
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	36,026.15	477.45
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,049.68	530.50
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	44,660.65	604.77
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	53,818.80	652.51
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	63,248.05	742.70
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	75,458.38	795.76
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	85,185.78	848.81

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment *(26)*

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Photovoltaic Collectors *(26 31)*

26 31 00 00-0002	EA	90 Watt Solar Panel (Ameresco VLS-90T) Note: 47.40" x 21.10" x 2"	498.86	107.16
26 31 00 00-0003	EA	140 Watt Solar Panel (Ameresco VLS-140T) Note: 59.20" x 26.50" x 2"	616.73	107.16
26 31 00 00-0004	EA	1 Panel, 40 To 90 Watt, Side Of Pole Mounting (SPM) (Ameresco 1X-SPM)	302.62	28.20
26 31 00 00-0005	EA	1 Panel, 125 To 150 Watt, Side Of Pole Mounting (SPM) (Ameresco 1X-SPM)	334.11	28.20

26 31 00 00-0006 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0007 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0006)*

26 31 00 00-0008	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,284.42	107.16
		For >25 To 50, Deduct	*-165.97*	
		For >50 To 100, Deduct	*-223.08*	
		For >100, Deduct	*-331.95*	
26 31 00 00-0009	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,396.63	107.16
		For >25 To 50, Deduct	*-174.39*	
		For >50 To 100, Deduct	*-234.31*	
		For >100, Deduct	*-348.78*	
26 31 00 00-0010	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,240.40	107.16
		For >25 To 50, Deduct	*-162.67*	
		For >50 To 100, Deduct	*-218.68*	
		For >100, Deduct	*-325.34*	

26 31 00 00-0011 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0006)*

26 31 00 00-0012	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,779.14	107.16
		For >25 To 50, Deduct	*-128.08*	
		For >50 To 100, Deduct	*-172.56*	
		For >100, Deduct	*-256.16*	
26 31 00 00-0013	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	2,029.61	107.16
		For >25 To 50, Deduct	*-146.86*	
		For >50 To 100, Deduct	*-197.60*	
		For >100, Deduct	*-293.73*	
26 31 00 00-0014	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,069.29	107.16
		For >25 To 50, Deduct	*-149.84*	
		For >50 To 100, Deduct	*-201.57*	
		For >100, Deduct	*-299.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0015	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,945.29	107.16
		For >25 To 50, Deduct	*-140.54*	
		For >50 To 100, Deduct	*-189.17*	
		For >100, Deduct	*-281.08*	

26 31 00 00-0016 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0006)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0017	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	856.49	107.16
		For >25 To 50, Deduct	*-58.88*	
		For >50 To 100, Deduct	*-80.29*	
		For >100, Deduct	*-117.76*	
26 31 00 00-0018	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,067.28	107.16
		For >25 To 50, Deduct	*-74.69*	
		For >50 To 100, Deduct	*-101.37*	
		For >100, Deduct	*-149.38*	
26 31 00 00-0019	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,151.60	107.16
		For >25 To 50, Deduct	*-81.01*	
		For >50 To 100, Deduct	*-109.80*	
		For >100, Deduct	*-162.02*	

26 31 00 00-0020 Photovoltaic Inverters *(26 31)*

26 31 00 00-0021 Fronius Photovoltaic Inverters *(26 31 00 00-0020)*

26 31 00 00-0022	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,498.10	112.80
26 31 00 00-0023	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,266.14	112.80
26 31 00 00-0024	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,672.35	112.80
26 31 00 00-0025	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,583.71	112.80
26 31 00 00-0026	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,617.59	112.80
26 31 00 00-0027	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,836.57	112.80
26 31 00 00-0028	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,845.35	225.60
26 31 00 00-0029	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	16,280.28	225.60
26 31 00 00-0030	EA	Inverter Display Stand (Fronius 4,045,894)	464.20	56.40

26 31 00 00-0031 SMA Photovoltaic Inverters *(26 31 00 00-0020)*

26 31 00 00-0032	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	4,071.96	112.80
26 31 00 00-0033	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,896.39	112.80
26 31 00 00-0034	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,664.72	112.80
26 31 00 00-0035	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,251.27	112.80
26 31 00 00-0036	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	6,053.69	112.80

26 31 00 00-0037 PVPowered Photovoltaic Inverters *(26 31 00 00-0020)*

26 31 00 00-0038	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	5,049.33	112.80
26 31 00 00-0039	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,282.88	112.80
26 31 00 00-0040	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,841.43	112.80
26 31 00 00-0041	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,923.49	141.00
26 31 00 00-0042	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,442.24	169.20
26 31 00 00-0043	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,513.34	169.20
26 31 00 00-0044	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,986.56	169.20
26 31 00 00-0045	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	107,566.56	902.40
26 31 00 00-0046	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	107,709.39	902.40
26 31 00 00-0047	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	116,579.81	902.40
26 31 00 00-0048	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	108,050.24	902.40

26 31 00 00-0049 Solectria Photovoltaic Inverters *(26 31 00 00-0020)*

26 31 00 00-0050	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,884.46	225.60
26 31 00 00-0051	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,884.46	225.60
26 31 00 00-0052	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	17,380.76	225.60
26 31 00 00-0053	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	17,380.76	225.60
26 31 00 00-0054	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	52,914.33	676.80
26 31 00 00-0055	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	50,432.80	676.80
26 31 00 00-0056	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	57,877.40	676.80
26 31 00 00-0057	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,498.77	676.80
26 31 00 00-0058	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	61,461.83	676.80
26 31 00 00-0059	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	58,704.58	676.80
26 31 00 00-0060	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	64,670.29	902.40
26 31 00 00-0061	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	61,637.31	902.40
26 31 00 00-0062	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	67,151.82	902.40
26 31 00 00-0063	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	63,567.39	902.40

26 31 00 00-0064 Xantrex Photovoltaic Inverters *(26 31 00 00-0020)*

26 31 00 00-0065	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	699.31	28.20
26 31 00 00-0066	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	763.17	28.20
26 31 00 00-0067	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,232.47	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0068		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0069	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	402.03	42.30
26 31 00 00-0070	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	263.15	42.30
26 31 00 00-0071	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	759.13	42.30
26 31 00 00-0072		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0073		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0072)*		
26 31 00 00-0074	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	459.77	112.80
26 31 00 00-0075	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	446.90	112.80
26 31 00 00-0076	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	714.71	169.20
26 31 00 00-0077	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	719.22	169.20
26 31 00 00-0078	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,136.39	169.20
26 31 00 00-0079		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0072)*		
26 31 00 00-0080	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,066.76	112.80
26 31 00 00-0081	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,285.93	112.80
26 31 00 00-0082	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,488.10	225.60
26 31 00 00-0083	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,824.99	225.60
26 31 00 00-0084	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	948.15	112.80
26 31 00 00-0085		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0086	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	317.71	42.30
26 31 00 00-0087	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	429.31	42.30
26 31 00 00-0088	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	503.70	42.30
26 31 00 00-0089	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	382.19	42.30
26 31 00 00-0090	EA	MPPT Charge Controller (Xantrex XW SCC)	1,357.59	56.40
26 31 00 00-0091		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0092		**Concorde Photovoltaic Batteries** *(26 31 00 00-0091)*		
26 31 00 00-0093	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	301.42	16.92
26 31 00 00-0094	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	379.59	22.56
26 31 00 00-0095	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	412.02	22.56
26 31 00 00-0096	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	469.04	33.84
26 31 00 00-0097	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	535.94	33.84
26 31 00 00-0098	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	636.41	39.48
26 31 00 00-0099	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	729.93	45.12
26 31 00 00-0100	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	721.27	45.12
26 31 00 00-0101	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,333.55	53.58
26 31 00 00-0102	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,544.33	56.40
26 31 00 00-0103		**Deka Photovoltaic Batteries** *(26 31 00 00-0091)*		
26 31 00 00-0104	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	311.93	28.25
26 31 00 00-0105	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	433.44	28.25
26 31 00 00-0106	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	644.24	28.25
26 31 00 00-0107	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	738.47	28.25
26 31 00 00-0108	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	740.95	28.25
26 31 00 00-0109	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,445.24	28.25
26 31 00 00-0110	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,673.39	28.25
26 31 00 00-0111		**Battery Enclosures** *(26 31 00 00-0091)*		
26 31 00 00-0112	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	353.99	28.20
26 31 00 00-0113	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,775.07	28.25
26 31 00 00-0114	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,668.44	28.25
26 31 00 00-0115	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,226.41	28.25
26 31 00 00-0116	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	986.46	28.25
26 31 00 00-0117	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,333.05	28.25
26 31 00 00-0118		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0119	EA	Solar Inverter Monitor (Xantrex 864-0203)	748.15	56.40
26 31 00 00-0120	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,579.68	28.20
26 31 00 00-0121	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,318.12	28.20
26 31 00 00-0122	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	234.51	28.20
26 31 00 00-0123	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	584.68	56.40
26 31 00 00-0124	EA	Sunny Boy Control with RS485 (SMA)	1,553.64	28.20
26 31 00 00-0125	EA	RS 485 Module (SMA)	345.04	28.20
26 31 00 00-0126	EA	RS 232 Module (SMA)	353.99	28.20
26 31 00 00-0127	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	662.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0128	EA	Bluetooth Piggy-Back Computer Card (SMA)	358.82	28.20
26 31 00 00-0129	EA	RS485-N Communication Computer Card (SMA)	356.32	28.20
26 31 00 00-0130	EA	Bluetooth Repeater (SMA)	682.48	28.20
26 31 00 00-0131	EA	Sunny Boy PC Service Cable (SMA)	326.13	8.46
26 31 00 00-0132	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,360.94	
26 31 00 00-0133	EA	Data Monitoring Module (PVPowered PVM1010)	681.02	28.20
26 31 00 00-0134	EA	Wireless IG Personal Display (Fronius 4,240,108)	673.50	
26 31 00 00-0135	EA	DatCom Power Supply (Fronius 43,0001,2311)	221.36	
26 31 00 00-0136	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	401.05	28.20
26 31 00 00-0137	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	337.57	28.20
26 31 00 00-0138	EA	Datalogger Pro Box (Fronius 4,240,102)	1,359.05	28.20
26 31 00 00-0139	EA	Datalogger Easy Box (Fronius 4,240,103)	880.06	28.20
26 31 00 00-0140	EA	Datalogger Interface Box (Fronius 4,240,105)	1,535.80	28.20
26 31 00 00-0141	EA	Datalogger Web (Fronius 4,240,122)	2,647.28	28.20
26 31 00 00-0142	EA	Interface Box (Fronius 4,240,109)	702.92	28.20
26 31 00 00-0143	EA	Interface Card (Fronius 4,240,009,Z)	498.28	28.20
26 31 00 00-0144	EA	Interface Card Easy (Fronius 4,240,013,Z)	324.68	28.20
26 31 00 00-0145	EA	Sensor Box (Fronius 4,240,104)	1,419.90	28.20
26 31 00 00-0146	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	147.30	28.20
26 31 00 00-0147	EA	Irradiance Sensor (Fronius 43,0001,1188)	485.68	28.20
26 31 00 00-0148	EA	Module Temperature Sensor (Fronius 43,0001,1190)	542.21	28.20
26 31 00 00-0149	EA	Wind Speed Sensor (Fronius 42,0411,0027)	270.10	56.40

26 31 00 00-0150 Photovoltaic System Accessories *(26 31)*

26 31 00 00-0151	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	1,033.41	56.40
26 31 00 00-0152	EA	Line Communication Filter (Enphase LCF)	2,256.64	112.80
26 31 00 00-0153	EA	15 Meter RS 485 Communication Cable (SMA)	173.15	8.46
26 31 00 00-0154	EA	15 Meter RS 232 Communication Cable (SMA)	262.43	8.46
26 31 00 00-0155	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	38.93	2.80
26 31 00 00-0156	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	41.92	2.80
26 31 00 00-0157	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	43.61	2.80
26 31 00 00-0158	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	48.30	2.80
26 31 00 00-0159	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	55.33	2.80
26 31 00 00-0160	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	87.23	5.58
26 31 00 00-0161	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	109.05	5.58
26 31 00 00-0162	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	142.56	8.38
26 31 00 00-0163	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	49.47	2.80
26 31 00 00-0164	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	69.39	2.80
26 31 00 00-0165	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	101.29	5.58
26 31 00 00-0166	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	136.44	5.58
26 31 00 00-0167	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	220.15	11.17
26 31 00 00-0168	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	230.07	11.17
26 31 00 00-0169	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	4,098.95	304.56

26 31 00 00-0170 Photovoltaic Mounting Systems *(26 31)*

26 31 00 00-0171	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	13.34	2.82
26 31 00 00-0172	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	35.98	14.10
26 31 00 00-0173	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	47.02	14.10
26 31 00 00-0174	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	25.51	5.64
26 31 00 00-0175	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	11.54	4.23
26 31 00 00-0176	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	26.02	5.64
26 31 00 00-0177	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	6.84	1.88
26 31 00 00-0178	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	7.20	1.88
26 31 00 00-0179	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	17.46	5.64
26 31 00 00-0180	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	106.05	28.20
26 31 00 00-0181	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	118.55	28.20
26 31 00 00-0182	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	128.61	28.20
26 31 00 00-0183	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	155.43	42.30
26 31 00 00-0184	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	192.92	42.30
26 31 00 00-0185	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	226.95	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0186	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	246.12	56.40
26 31 00 00-0187	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	335.69	56.40
26 31 00 00-0188	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	469.86	84.60
26 31 00 00-0189	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	229.03	
26 31 00 00-0190	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	429.86	
26 31 00 00-0191	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	81.08	28.20
26 31 00 00-0192	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	82.23	28.20
26 31 00 00-0193	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	83.28	28.20
26 31 00 00-0194	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	85.91	28.20
26 31 00 00-0195	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	74.11	28.20
26 31 00 00-0196	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	75.44	28.20
26 31 00 00-0197	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	79.31	28.20
26 31 00 00-0198	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	78.21	28.20
26 31 00 00-0199	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	160.29	42.30
26 31 00 00-0200	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	161.09	42.30
26 31 00 00-0201	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	163.45	42.30
26 31 00 00-0202	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	160.98	42.30
26 31 00 00-0203	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	33.09	5.64
26 31 00 00-0204	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	21.03	5.64
26 31 00 00-0205	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	40.81	8.46
26 31 00 00-0206	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	42.61	8.46
26 31 00 00-0207	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	12.09	1.88
26 31 00 00-0208	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	56.30	5.64
26 31 00 00-0209	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.64	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0890 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 23 13 23 13-0001 for fuel day tank.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	34,768.63	1,009.44
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Single Phase, Add	*1,323.23*	
		For Tier 4 Diesel Generator, Add	*10,732.87*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	36,568.89	1,066.22
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*11,297.76*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,383.52	1,126.15
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Single Phase, Add	*1,459.13*	
		For Tier 4 Diesel Generator, Add	*11,835.15*	
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,139.93	1,242.87
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*11,986.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	39,909.09	1,362.74
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*12,137.44*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	46,880.02	1,564.63
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*14,422.67*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	50,525.00	1,798.06
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*15,584.39*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,394.39	2,107.20
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*18,438.63*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,847.03	2,447.88
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*17,119.97*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,233.21	2,902.13
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*17,272.86*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	72,122.85	3,198.66
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*19,126.83*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	75,799.44	3,570.88
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*20,162.66*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	80,596.32	3,911.57
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*21,541.20*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	86,974.79	4,132.38
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*23,478.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	90,687.65	4,302.72
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*21,065.08*	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,763.61	4,536.16
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*23,111.26*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	100,878.44	4,738.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*23,527.08*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	113,859.90	5,299.54
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*26,877.24*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	122,632.00	5,804.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*29,075.36*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	138,635.17	6,252.20
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*33,294.01*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	145,860.31	6,662.28
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*35,142.60*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	212,734.38	7,337.34
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*48,108.95*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	243,728.37	8,069.18
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*55,343.88*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	254,563.82	8,245.83
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*57,912.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	310,842.17	8,889.34
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*71,384.88*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	347,170.97	9,463.46
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*79,582.27*	

26 32 13 13-0028 Diesel Generator Sets (Generac SD) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with 24 hour run time fuel tank, radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 01 22 23 00-0890 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0029	EA	10 KW, Industrial, Diesel Generator Set (Generac SD)	22,765.15	630.90
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0030	EA	15 KW, Industrial, Diesel Generator Set (Generac SD)	23,185.40	757.07
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0031	EA	20 KW, Industrial, Diesel Generator Set (Generac SD)	24,003.31	845.40
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0032	EA	25 KW, Industrial, Diesel Generator Set (Generac SD)	25,757.38	1,009.44
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0033	EA	30 KW, Industrial, Diesel Generator Set (Generac SD)	26,317.80	1,126.15
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0034	EA	35 KW, Industrial, Diesel Generator Set (Generac SD)	29,177.77	1,242.87
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0035	EA	40 KW, Industrial, Diesel Generator Set (Generac SD)	29,652.75	1,362.74
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0036	EA	50 KW, Industrial, Diesel Generator Set (Generac SD)	30,667.52	1,564.63
		For Steel Weather Protective Housing, Add	*3,220.96*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*5,964.64*	
26 32 13 13-0037	EA	60 KW, Industrial, Diesel Generator Set (Generac SD)	33,469.10	1,798.06
		For Steel Weather Protective Housing, Add	*3,904.20*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*7,838.66*	
26 32 13 13-0038	EA	80 KW, Industrial, Diesel Generator Set (Generac SD)	40,320.43	2,107.20
		For Steel Weather Protective Housing, Add	*3,904.20*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*8,452.59*	
		For Modular/Paralleling Unit (MD), Add	*3,430.07*	
26 32 13 13-0039	EA	100 KW, Industrial, Diesel Generator Set (Generac SD)	42,045.81	2,422.64
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,338.97*	
		For Modular/Paralleling Unit (MD), Add	*3,534.05*	
26 32 13 13-0040	EA	135 KW, Industrial, Diesel Generator Set (Generac SD)	52,197.49	2,965.22
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,689.37*	
		For Modular/Paralleling Unit (MD), Add	*4,395.37*	
26 32 13 13-0041	EA	150 KW, Industrial, Diesel Generator Set (Generac SD)	54,987.35	3,198.66
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,689.37*	
		For Modular/Paralleling Unit (MD), Add	*4,616.05*	
26 32 13 13-0042	EA	180 KW, Industrial, Diesel Generator Set (Generac SD)	62,493.25	3,627.66
		For Steel Weather Protective Housing, Add	*5,790.58*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*10,689.37*	
		For Modular/Paralleling Unit (MD), Add	*5,247.60*	
26 32 13 13-0043	EA	200 KW, Industrial, Diesel Generator Set (Generac SD)	62,455.59	3,911.57
		For Steel Weather Protective Housing, Add	*7,261.81*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*12,160.61*	
		For Modular/Paralleling Unit (MD), Add	*5,190.08*	
26 32 13 13-0044	EA	230 KW, Industrial, Diesel Generator Set (Generac SD)	75,538.03	4,132.38
		For Steel Weather Protective Housing, Add	*7,261.81*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*19,553.21*	
		For Modular/Paralleling Unit (MD), Add	*6,390.96*	
26 32 13 13-0045	EA	250 KW, Industrial, Diesel Generator Set (Generac SD)	80,364.64	4,302.72
		For Steel Weather Protective Housing, Add	*7,261.81*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*19,553.21*	
		For Modular/Paralleling Unit (MD), Add	*6,817.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0046	EA	275 KW, Industrial, Diesel Generator Set (Generac SD)	82,511.94	4,536.16
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,353.30*	
		For Modular/Paralleling Unit (MD), Add	*6,976.76*	
26 32 13 13-0047	EA	300 KW, Industrial, Desel Generator Set (Generac SD)	90,463.50	4,738.04
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*23,353.30*	
		For Modular/Paralleling Unit (MD), Add	*7,693.80*	
26 32 13 13-0048	EA	350 KW, Industrial, Diesel Generator Set (Generac SD)	98,182.65	5,299.54
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*24,030.68*	
		For Modular/Paralleling Unit (MD), Add	*8,320.44*	
26 32 13 13-0049	EA	400 KW, Industrial, Diesel Generator Set (Generac SD)	105,485.12	5,678.08
		For Steel Weather Protective Housing, Add	*11,061.90*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*24,030.68*	
		For Modular/Paralleling Unit (MD), Add	*8,942.25*	
26 32 13 13-0050	EA	500 KW, Industrial, Diesel Generator Set (Generac SD)	117,282.67	6,662.28
		For Steel Weather Protective Housing, Add	*18,544.95*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*26,427.53*	
		For Modular/Paralleling Unit (MD), Add	*9,876.02*	
26 32 13 13-0051	EA	600 KW, Industrial, Diesel Generator Set (Generac SD)	158,180.37	7,337.34
		For Steel Weather Protective Housing, Add	*24,147.48*	
		For Level 1 Steel Weather/Sound Protective Housing, Add	*37,116.25*	
		For Modular/Paralleling Unit (MD), Add	*13,633.04*	

26 32 13 13-0052 Diesel Generator Sets (Kohler) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277, 416/240 or 380/220 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 01 22 23 00-0890 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0053	EA	80 KW Diesel Generator Set, 3 Phase (Kohler 80REOZJ)	34,669.93	2,107.20
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,259.87*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,392.56*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*19,426.44*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,901.92*	
		For Tier 4 Diesel Generator, Add	*9,414.20*	
26 32 13 13-0054	EA	100 KW Diesel Generator Set, 3 Phase (Kohler 100REOZJ)	36,421.21	2,447.88
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*8,480.84*	
26 32 13 13-0055	EA	125 KW Diesel Generator Set, 3 Phase (Kohler 125REOZJ)	46,184.71	2,902.13
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*11,272.58*	
26 32 13 13-0056	EA	150 KW Diesel Generator Set, 3 Phase (Kohler 150REOZJ)	47,599.07	3,198.66
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*11,401.84*	
26 32 13 13-0057	EA	200 KW Diesel Generator Set, 3 Phase (Kohler 200REOZJ)	56,930.27	3,911.57
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,978.11*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,657.37*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*27,543.17*	
		For Tier 4 Diesel Generator, Add	*14,086.40*	
26 32 13 13-0058	EA	250 KW Diesel Generator Set, 3 Phase (Kohler 250REOZJ)	71,224.51	4,302.72
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*15,810.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0059	EA	300 KW Diesel Generator Set, 3 Phase (Kohler 300REOZJ)	78,101.81	4,738.04
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*17,377.39*	
26 32 13 13-0060	EA	350 KW Diesel Generator Set, 3 Phase (Kohler 350REOZJ)	86,668.22	5,299.54
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*19,535.48*	
26 32 13 13-0061	EA	400 KW Diesel Generator Set, 3 Phase (Kohler 400REOZJ)	92,203.36	5,804.26
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*20,859.63*	
26 32 13 13-0062	EA	500 KW Diesel Generator Set, 3 Phase (Kohler 500REOZJ)	109,579.82	6,662.28
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*51,740.04*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*57,291.24*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*76,388.32*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*62,752.90*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*70,031.21*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*93,374.94*	
		For Tier 4 Diesel Generator, Add	*25,346.86*	
26 32 13 13-0063	EA	600 KW Diesel Generator Set, 3 Phase (Kohler 600REOZJ)	136,399.23	7,337.34
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*105,695.41*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*127,281.97*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*169,709.29*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*124,318.39*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*148,281.58*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*197,708.77*	
		For Tier 4 Diesel Generator, Add	*29,406.84*	

26 32 13 13-0064 Diesel Particulate Filters *(26 32 13 13)*

26 32 13 13-0065	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	37,939.27
26 32 13 13-0066	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	49,614.28
26 32 13 13-0067	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	60,120.21
26 32 13 13-0068	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	73,757.66
26 32 13 13-0069	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	86,701.65
26 32 13 13-0070	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	108,318.76

26 32 13 13-0071 Diesel Generator Sets (Taylor) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0072	EA	9 KW Diesel Generator Set, 3 Phase (Taylor TD9)	25,327.33	756.32
26 32 13 13-0073	EA	13 KW Diesel Generator Set, 3 Phase (Taylor TD13)	26,036.34	853.10
26 32 13 13-0074	EA	20 KW Diesel Generator Set, 3 Phase (Taylor TD20)	27,248.58	952.02
26 32 13 13-0075	EA	28 KW Diesel Generator Set, 3 Phase (Taylor TD28)	30,287.90	1,067.86
26 32 13 13-0076	EA	30 KW Diesel Generator Set, 3 Phase (Taylor TD30)	31,694.39	1,126.15
26 32 13 13-0077	EA	55 KW Diesel Generator Set, 3 Phase (Taylor TD55)	35,313.51	1,681.34
26 32 13 13-0078	EA	60 KW Diesel Generator Set, 3 Phase (Taylor TD60)	38,347.69	1,798.06
26 32 13 13-0079	EA	80 KW Diesel Generator Set, 3 Phase (Taylor TD80)	41,110.55	2,107.20
26 32 13 13-0080	EA	100 KW Diesel Generator Set, 3 Phase (Taylor TD100)	42,655.08	2,447.88
26 32 13 13-0081	EA	125 KW Diesel Generator Set, 3 Phase (Taylor TD125)	57,072.79	2,902.13
26 32 13 13-0082	EA	140 KW Diesel Generator Set, 3 Phase (Taylor TD140)	57,977.93	3,050.39
26 32 13 13-0083	EA	150 KW Diesel Generator Set, 3 Phase (Taylor TD150)	58,943.80	3,198.66
26 32 13 13-0084	EA	175 KW Diesel Generator Set, 3 Phase (Taylor TD175)	62,852.43	3,570.88
26 32 13 13-0085	EA	200 KW Diesel Generator Set, 3 Phase (Taylor TD200)	65,754.65	3,911.57
26 32 13 13-0086	EA	250 KW Diesel Generator Set, 3 Phase (Taylor TD250)	80,046.22	4,302.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0087	EA	300 KW Diesel Generator Set, 3 Phase (Taylor TD300)	90,749.29	4,738.04
26 32 13 13-0088	EA	350 KW Diesel Generator Set, 3 Phase (Taylor TD350)	99,179.37	5,299.54
26 32 13 13-0089	EA	400 KW Diesel Generator Set, 3 Phase (Taylor TD400)	101,752.50	5,804.26
26 32 13 13-0090	EA	450 KW Diesel Generator Set, 3 Phase (Taylor TD450)	109,930.41	6,252.20
26 32 13 13-0091	EA	500 KW Diesel Generator Set, 3 Phase (Taylor TD500)	115,638.82	6,662.28
26 32 13 13-0092	EA	550 KW Diesel Generator Set, 3 Phase (Taylor TD550)	118,960.21	6,999.81
26 32 13 13-0093	EA	600 KW Diesel Generator Set, 3 Phase (Taylor TD600)	146,914.45	7,337.34

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	15,456.28	845.40
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*6,447.27*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	17,469.57	1,009.44
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*6,447.27*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	20,195.64	1,123.00
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,181.36*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*6,447.27*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,596.36*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,936.15	1,242.87
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	25,765.05	1,362.74
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,937.22	1,470.00
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	30,551.03	1,798.06
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	32,780.73	2,012.56
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	43,147.97	2,151.36
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	52,048.06	2,422.64
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	59,576.60	2,902.13
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	70,881.77	3,198.66
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*18,449.41*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	115,008.38	8,508.16
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*57,256.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	130,618.59	3,842.17
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*57,256.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	140,446.91	4,302.72
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*57,256.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	181,813.66	4,738.04
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*57,256.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	195,136.65	5,299.54
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*57,256.28*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	274,406.44	6,252.20
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*122,323.24*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	351,105.17	6,662.28
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*122,323.24*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	392,975.65	7,021.89
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*122,323.24*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	447,752.32	7,337.34
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*122,323.24*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	468,193.03	7,614.93
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*122,323.24*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	495,217.95	8,138.58
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*101,598.39*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*107,947.53*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*143,930.04*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*115,398.19*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*122,323.24*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*163,097.66*	

26 32 13 19-0025 Natural Gas Or Propane Generator Sets (Generac QTA) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 01 22 23 00-0890 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0026	EA	25 KW, Commercial, Natural Gas Generator Set (Generac QTA)	17,758.00	1,009.44
		For Steel Weather Protective Housing, Add	*1,216.81*	
		For Aluminum Weather Protective Housing, Add	*1,889.63*	
26 32 13 19-0027	EA	55 KW, Commercial, Natural Gas Generator Set (Generac QTA)	26,357.91	1,684.50
		For Steel Weather Protective Housing, Add	*1,725.66*	
		For Aluminum Weather Protective Housing, Add	*2,220.51*	
26 32 13 19-0028	EA	70 KW, Commercial, Natural Gas Generator Set (Generac QTA)	29,579.42	2,012.56
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*2,218.56*	
26 32 13 19-0029	EA	80 KW, Commercial, Natural Gas Generator Set (Generac QTA)	31,143.61	2,107.20
		For Steel Weather Protective Housing, Add	*1,725.66*	
		For Aluminum Weather Protective Housing, Add	*2,598.25*	
26 32 13 19-0030	EA	100 KW, Commercial, Natural Gas Generator Set (Generac QTA)	38,069.38	2,422.64
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*2,391.32*	
26 32 13 19-0031	EA	130 KW, Commercial, Natural Gas Generator Set (Generac QTA)	43,994.63	2,889.51
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*1,968.69*	
26 32 13 19-0032	EA	150 KW, Commercial, Natural Gas Generator Set (Generac QTA)	49,679.59	3,198.66
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Aluminum Weather Protective Housing, Add	*1,916.96*	

26 32 13 19-0033 Natural Gas Or Propane Generator Sets (Generac SG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 01 22 23 00-0890 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0034	EA	35 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	20,910.63	1,242.87
		For Steel Weather Protective Housing, Add	*3,708.99*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,642.02*	
26 32 13 19-0035	EA	40 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	23,482.16	1,362.74
		For Steel Weather Protective Housing, Add	*3,708.99*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,642.02*	
26 32 13 19-0036	EA	45 KW, Industrial, Natural Gas Or Propane Generator Set (Generac SG)	24,442.36	1,470.00
		For Steel Weather Protective Housing, Add	*3,708.99*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*6,642.02*	
26 32 13 19-0037	EA	70 KW, Industrial, Natural Gas Generator Set (Generac SG)	32,526.77	2,012.56
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,275.40*	
		For Modular/Paralleling Unit (MG), Add	*2,707.66*	
26 32 13 19-0038	EA	100 KW, Industrial, Natural Gas Generator Set (Generac SG)	38,805.97	2,422.64
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,275.40*	
		For Modular/Paralleling Unit (MG), Add	*3,226.26*	
26 32 13 19-0039	EA	130 KW, Industrial, Natural Gas Generator Set (Generac SG)	46,878.53	2,889.51
		For Steel Weather Protective Housing, Add	*2,231.90*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*9,275.40*	
		For Modular/Paralleling Unit (MG), Add	*3,904.45*	
26 32 13 19-0040	EA	150 KW, Industrial, Natural Gas Generator Set (Generac SG)	78,128.19	3,198.66
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*6,814.43*	
26 32 13 19-0041	EA	175 KW, Industrial, Natural Gas Generator Set (Generac SG)	86,854.79	3,570.88
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*7,572.74*	
26 32 13 19-0042	EA	200 KW, Industrial, Natural Gas Generator Set (Generac SG)	91,959.63	3,911.57
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*7,992.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0043	EA	250 KW, Industrial, Natural Gas Generator Set (Generac SG)	132,577.45	4,302.72
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*11,777.34*	
26 32 13 19-0044	EA	275 KW, Industrial, Natural Gas Generator Set (Generac SG)	135,205.30	4,536.16
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*11,982.63*	
26 32 13 19-0045	EA	300 KW, Industrial, Natural Gas Generator Set (Generac SG)	137,894.00	4,738.04
		For Steel Weather Protective Housing, Add	*9,760.50*	
		For Level 2 Steel Weather/Sound Protective Housing, Add	*17,793.39*	
		For Modular/Paralleling Unit (MG), Add	*12,199.70*	

26 32 13 19-0046 Natural Gas Or Propane Generator Sets (Taylor) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0047	EA	30 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG30)	27,579.47	1,126.15
26 32 13 19-0048	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG40)	30,073.28	1,350.12
26 32 13 19-0049	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG60)	31,334.89	1,798.06
26 32 13 19-0050	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG80)	45,701.77	2,107.20
26 32 13 19-0051	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG100)	49,473.80	2,447.88
26 32 13 19-0052	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG125)	65,164.22	2,902.13
26 32 13 19-0053	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG150)	68,266.87	3,198.66
26 32 13 19-0054	EA	200 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG200)	114,578.08	3,911.57
26 32 13 19-0055	EA	250 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG250)	161,386.14	4,302.72
26 32 13 19-0056	EA	350 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG350)	196,996.27	5,299.54
26 32 13 19-0057	EA	400 KW Natural Gas Or Propane Generator Set, 3 Phase (Taylor TG400)	235,377.98	5,804.26

26 32 13 19-0058 Natural Gas Or Propane Generator Sets (Kohler KG) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes startup and training. Excludes fuel, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0839 for loadbank rental, 01 22 23 00-0890 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0059	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG40)	23,329.44	1,362.74
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0060	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG45)	24,644.90	1,470.00
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0061	EA	50 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG50)	26,560.88	1,577.25
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0062	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG60)	27,903.29	1,798.06
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,783.94*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,377.50*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,503.33*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,655.99*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0063	EA	80 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG80)	33,584.21	2,151.36
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0064	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG100)	37,880.02	2,422.64
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0065	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG125)	42,951.57	2,902.13
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0066	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Kohler KG150)	51,589.59	3,198.66
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,719.01*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,924.12*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*25,232.17*	
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,182.89*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*24,599.21*	
26 32 13 19-0067	EA	180 KW Natural Gas Generator Set, 3 Phase (Kohler KG180)	75,694.27	8,508.16
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	
26 32 13 19-0068	EA	200 KW Natural Gas Generator Set, 3 Phase (Kohler KG200)	86,237.51	3,842.17
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*46,529.24*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*51,506.37*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*68,675.15*	
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*50,874.02*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*76,341.70*	

26 32 13 19-0069 Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0070	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,193.33	522.62
26 32 13 19-0071	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,574.26	580.68
26 32 13 19-0072	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,592.54	638.75

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,317.44	225.60
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,586.92	225.60
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,703.36	225.60
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,835.46	225.60
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,675.73	282.00
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,235.07	282.00
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,193.98	282.00
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,795.65	372.24
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	28,686.54	372.24

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,960.43	225.60
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	14,279.70	225.60
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,345.89	225.60
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,801.94	225.60
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,020.76	282.00
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,929.61	282.00
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,624.15	282.00
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,692.59	372.24
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	27,265.38	372.24

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	28,851.55	4,416.29
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	31,860.80	4,416.29
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	36,167.99	6,308.98
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	42,362.98	6,308.98
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	48,212.38	6,308.98
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	56,395.68	9,463.46
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	68,108.38	9,463.46

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	100,874.20	12,617.95
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	109,861.48	12,617.95
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	132,243.88	16,403.33
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	150,228.34	19,936.36
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	178,248.37	19,936.36
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	253,160.91	29,778.36
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	261,402.43	29,778.36
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	301,372.03	34,699.37

26 32 36 Resistive Load Banks *(26 32)*

See CSI section 01 22 23 00-0839 for portable/trailer mounted resistive load bank for testing of generators, 26 32 13 00-0000 for generators.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 36 00-0001		**Stationary Resistive Load Banks** *(26 32 36)* Note: Controls include: Main Power On/Off switch, Blower Start/Stop push button, Master Load On/Off switch, Individual Load Step switches. Load Voltage Selector switch (dual voltage units), and Emergency Stop button. Fault condition smart indicators provide operator display and load disconnect during Air-Flow Failure, Over-temperature, Motor Overload, Load Dump, and Wrong Voltage Applied (dual voltage units). Control Power: An Integral Control Power Transformer is provided for control circuit operation. Cooling Power: Blower motor is factory-wired to the main load bus. Cooling: Integrally mounted blower motor with high-performance, direct-driven fan blade delivers the required airflow volume (CFM) for cooling resistor load elements. Motor circuits are short-circuit protected by current-limiting fuses and thermally protected by overload relay. Safety Features: Emergency-Stop push button allows the operator to take the unit off-line should a critical hard-stop condition occur. Branch circuit fuse protection provides short-circuit fault protection of all load steps eliminating the potential for catastrophic failure. Blower On, Motor Overload, Air-Flow Failure, and Over-temperature circuits disable all load steps during a fault condition with operator visual indicators. Dual Voltage units feature a Wrong Voltage Applied protection circuit which prevents the application of 480 VAC with the Load Voltage Selector switch in the 240 VAC position.		
26 32 36 00-0002	EA	100 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	11,613.61	676.80
26 32 36 00-0003	EA	150 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	12,470.60	751.53
26 32 36 00-0004	EA	200 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Permanent Resistive Load Bank	13,248.64	778.32
26 32 36 00-0005	EA	250 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	14,024.43	808.21
26 32 36 00-0006	EA	300 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	15,423.41	852.20
26 32 36 00-0007	EA	400 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	16,822.40	896.20
26 32 36 00-0008	EA	500 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	24,408.57	954.29
26 32 36 00-0009	EA	600 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	30,177.84	1,003.92
26 32 36 00-0010	EA	750 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	33,298.85	1,052.43
26 32 36 00-0011	EA	800 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	33,506.40	1,156.21
26 32 36 00-0012	EA	1,000 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	44,203.82	1,259.41
26 32 36 00-0013	EA	1,250 KW, NEMA 3R, Galvanized Steel Enclosure, Wall Mounted, Stationary Resistive Load Bank	58,132.81	1,466.40
26 32 36 00-0014	EA	1,500 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	71,283.83	2,299.41
26 32 36 00-0015	EA	2,000 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	79,768.59	2,759.30
26 32 36 00-0016	EA	2,500 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	88,433.10	2,966.55
26 32 36 00-0017	EA	3,000 KW, NEMA 3R, Galvanized Steel Enclosure, Pad/Floor Mounted, Stationary Resistive Load Bank	96,438.36	3,219.18
26 32 36 00-0018		**Load Bank Docking Stations** *(26 32 36)*		
26 32 36 00-0019	EA	100 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	6,214.81	451.20
26 32 36 00-0020	EA	200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	7,445.46	564.00
26 32 36 00-0021	EA	250 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	9,205.88	676.80
26 32 36 00-0022	EA	400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	11,733.68	789.61
26 32 36 00-0023	EA	500 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	12,206.48	902.40
26 32 36 00-0024	EA	600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	12,679.26	1,015.20
26 32 36 00-0025	EA	800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Wall Mounted, Load Bank Docking Station	15,235.08	1,128.00
26 32 36 00-0026	EA	1,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	26,373.38	1,594.26
26 32 36 00-0027	EA	1,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	30,020.58	1,716.89
26 32 36 00-0028	EA	1,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	33,521.37	1,839.53
26 32 36 00-0029	EA	2,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	40,549.00	1,962.16
26 32 36 00-0030	EA	2,400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	46,207.13	2,146.12
26 32 36 00-0031	EA	2,800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	54,171.25	2,330.07
26 32 36 00-0032	EA	3,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	63,944.91	2,514.02
26 32 36 00-0033	EA	3,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	65,669.28	2,697.98
26 32 36 00-0034	EA	3,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	67,516.30	2,943.24
26 32 36 00-0035	EA	4,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	74,789.17	3,188.52
26 32 36 00-0036	EA	100 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	8,715.86	451.20
26 32 36 00-0037	EA	200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	9,820.88	564.00
26 32 36 00-0038	EA	250 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	11,389.44	676.80
26 32 36 00-0039	EA	400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	13,629.45	789.61
26 32 36 00-0040	EA	500 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	14,071.36	902.40
26 32 36 00-0041	EA	600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	14,513.24	1,015.20
26 32 36 00-0042	EA	800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Wall Mounted, Load Bank Docking Station	16,777.79	1,128.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 36 00-0043	EA	1,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	58,711.02	1,594.26
26 32 36 00-0044	EA	1,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	72,623.19	1,716.89
26 32 36 00-0045	EA	1,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	74,360.58	1,839.53
26 32 36 00-0046	EA	2,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	76,097.97	1,962.16
26 32 36 00-0047	EA	2,400 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	77,957.99	2,146.12
26 32 36 00-0048	EA	2,800 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	86,478.81	2,330.07
26 32 36 00-0049	EA	3,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	88,338.83	2,514.02
26 32 36 00-0050	EA	3,200 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	90,198.85	2,697.98
26 32 36 00-0051	EA	3,600 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	92,181.52	2,943.24
26 32 36 00-0052	EA	4,000 AMP, 3-Pole Molded Case Breaker With Electronic Trip, NEMA 3R Stainless Steel Enclosure, Pad/Floor Mounted, Load Bank Docking Station	94,164.16	3,188.52

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,263.59	28.25
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,365.89	28.25
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	363.63	28.25
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	329.85	28.25
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	570.71	28.25
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	664.04	28.25

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,417.55	644.07
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,009.21	644.07
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,416.88	644.07
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,663.46	762.58

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,191.77	111.68
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,425.03	130.28
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,761.93	148.89
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	2,159.08	167.51
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,783.98	186.12
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	4,519.45	223.34

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	4,434.32	223.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0012		120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	6,862.22	297.79
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	7,499.99	335.02
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	11,257.37	409.46
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	12,951.69	446.69
26 33 53 00-0017		230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)* Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,425.03	130.28
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,761.93	148.89
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	2,184.23	167.51
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,790.05	186.12
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	4,538.34	223.34
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	6,577.93	297.79
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	8,091.04	335.02
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	12,545.30	446.69
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	814.66	33.84
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	1,070.38	33.84
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	1,041.91	33.84
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	704.50	33.84
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	1,004.73	111.68
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	1,117.53	148.89
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery *(26 33 53 00-0033)* Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	43,997.68	446.69
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	48,672.09	595.58
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	54,376.53	744.48
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	58,947.93	893.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	70,935.69	1,042.28
26 33 53 00-0040		**208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	96,575.01	1,931.51
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	104,976.20	2,391.39
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	116,091.04	2,789.95
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	143,382.51	3,157.86
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	148,832.07	3,525.77
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	154,722.98	3,893.67
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	161,849.95	4,261.58
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	168,976.93	4,629.48
26 33 53 00-0049		**480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery** *(26 33 53 00-0033)*		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	90,162.89	1,594.26
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	116,709.07	2,802.21
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	159,580.09	3,237.57
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	188,004.62	3,556.42
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	219,931.32	3,924.34
26 33 53 00-0055		**Optional Accessories For Three Phase, Uninterruptible Power Supply Systems** *(26 33 53 00-0033)*		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	718.45	56.40
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,167.11	56.40
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	2,203.77	112.80
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	6,795.87	451.20
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	668.15	56.40
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	362.54	56.40
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	407.13	56.40
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	451.73	56.40
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	532.00	56.40
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	558.76	56.40
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	697.01	56.40
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	730.45	56.40
26 33 53 00-0068		**Other Uninterruptable Power Supply Equipment** *(26 33 53)*		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,555.79	103.05
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,856.66	206.10
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	32.07	6.19
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	59.25	7.73
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	113.99	7.73
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	167.31	10.31
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	239.56	10.31
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,475.72	103.05
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,468.29	77.29

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 33 16-0001		**Power Factor Correction Capacitors** *(26 35 33 16)*		
26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	1,500.01	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	1,661.30	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,822.60	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,977.44	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	2,429.05	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	2,967.77	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	4,583.91	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	5,567.79	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	7,193.61	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	8,180.71	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	14,354.96	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	21,584.05	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	28,780.89	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	1,335.50	
26 35 43		**Static-Frequency Converters** *(26 35)*		
26 35 43 00-0001		Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*		
26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	725.94	112.80
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,277.17	135.36
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,462.50	180.48
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,012.30	225.60
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,777.35	293.28
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,594.87	360.96
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,517.35	428.64
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,522.20	485.04
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,407.40	586.56
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,341.15	659.88
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	8,274.90	733.20
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	10,284.87	885.48
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	13,400.71	1,065.96
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	17,011.62	1,297.20
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	19,445.56	1,517.16
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	25,147.61	1,692.00
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	38,717.32	1,917.60
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	58,059.16	2,143.20
26 35 53		**Voltage Regulators** *(26 35)*		
26 35 53 00-0001		Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*		
		Note: For diesel motor generator sets mounted in switchgear cabinet.		
26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,157.00	1,793.52
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,090.33	2,256.00
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,949.76	2,684.65
26 36		**Transfer Switches** *(26 30)*		
26 36 13		**Manual Transfer Switches** *(26 36)*		
26 36 13 00-0001		Fused Manual Transfer Switches *(26 36 13)*		
26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,413.46	197.40
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,641.35	245.22
26 36 13 00-0004		Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*		
26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,614.44	290.34
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	3,993.27	348.41
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,527.89	406.48
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	5,639.02	464.55
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	7,002.00	522.62
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	7,875.29	580.68
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	8,762.74	638.75
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	10,310.76	696.83
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	13,658.17	871.03
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	15,338.03	1,045.24
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	20,498.14	1,514.16
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,203.44	406.48
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,371.14	522.62
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	7,006.11	696.83
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,507.79	871.03
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,450.66	290.34
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,286.60	348.41
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,593.18	377.45
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	6,899.77	406.48
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,217.31	464.55
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	9,386.77	522.62
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	10,356.63	580.68
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	10,806.27	638.75
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,233.25	696.83
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	16,805.23	871.03
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	18,813.45	1,045.24
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	24,560.73	1,514.16
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	32,013.58	1,640.34
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	34,069.97	1,892.69
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	38,962.82	2,145.05
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	47,032.19	2,649.77
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	82,245.97	3,154.48
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	26,736.05	2,206.61
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	27,898.26	2,322.75
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	29,243.17	2,438.88
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	32,770.03	2,496.96
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	38,012.54	2,555.02
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	45,873.94	2,671.15
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	50,663.90	2,787.30
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	63,805.92	3,251.85
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	84,283.11	3,785.39
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	110,403.32	4,037.74
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	125,441.89	4,416.29
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	201,618.32	5,047.18
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	217,512.02	5,678.08
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0039		Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*		
26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	8,994.32	290.34
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,707.95	348.41
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	10,064.11	377.45
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	10,420.27	406.48
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	12,527.14	464.55
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	16,356.92	522.62
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	17,401.47	580.68
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	18,077.75	638.75
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	20,471.76	696.83
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	24,826.13	871.03
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	25,787.46	1,045.24
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	30,587.03	1,514.16
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	278.58	28.20
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	301.12	28.20
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	312.40	33.84
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	260.86	22.56
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	312.40	33.84

26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	389.67	28.20
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	413.83	33.84
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	402.55	28.20
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	413.83	33.84

26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPL

26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	473.39	28.20
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	497.55	33.84
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	442.79	22.56
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	497.55	33.84

26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	560.33	28.20
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	631.18	33.84
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	531.34	22.56

26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert LPM

26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	993.43	33.84
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	982.15	28.20
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	993.43	33.84

26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*

Note: Liebert Interceptor Hybrid.

26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,373.30	56.40
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	10,246.26	56.40

26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression *(26 43 13)*

Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.

26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D. EMA series.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,646.18	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,122.12	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,499.33	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,988.47	225.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	14,787.78	310.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,850.12	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,346.15	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,845.45	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,437.98	225.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,481.44	310.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,850.12	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,346.15	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,845.39	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,437.98	225.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,481.44	310.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,054.07	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,573.07	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,194.41	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	10,890.43	225.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	16,177.91	310.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,291.03	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	5,808.63	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,559.19	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	11,364.35	225.60
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	15,921.51	310.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,612.20	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,366.77	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,416.51	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,728.52	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,539.10	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,641.97	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,728.52	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,539.10	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,641.97	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,876.45	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,724.36	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,930.63	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,031.56	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,921.11	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	7,233.65	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,003.31	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,479.26	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,856.46	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,207.25	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,703.29	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,202.58	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,207.25	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,703.29	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,202.52	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,411.20	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,930.20	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,551.55	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,648.16	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,165.77	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	9,916.33	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,969.33	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,723.90	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,773.64	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,085.66	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,896.23	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,999.11	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,085.66	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,896.23	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,999.11	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,233.58	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,081.50	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,287.76	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,388.69	146.64
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,278.24	169.20
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	8,590.78	197.40
		For Integral Disconnect, Add	*265.68*	
		For Surge Counter, Add	*203.04*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,147.92	259.95
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,245.61	259.95
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,245.61	259.95
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,427.04	259.95
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,427.04	259.95
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,577.76	259.95
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,577.76	259.95
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,154.34	324.93
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,232.49	324.93
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,451.34	389.92
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,652.31	389.92
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,157.52	389.92

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,147.92	259.95
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,245.61	259.95
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,245.61	259.95
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,427.04	259.95
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,427.04	259.95
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,577.76	259.95
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,577.76	259.95
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,154.34	324.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,232.49	324.93
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,451.34	389.92
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,652.31	389.92
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,157.52	389.92
26 43 23 00-0028		IMX Accessories *(26 43 23 00-0001)*		
26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	946.95	259.95
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	935.78	259.95
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	852.16	259.95
26 43 23 00-0032		Lightning Arrestor And Cutouts *(26 43 23 00-0001)*		
26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	634.33	259.95
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,222.27	259.95
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,147.92	259.95
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	695.74	259.95
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,385.06	259.95
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,427.04	259.95
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	791.20	259.95
26 43 23 00-0040	EA	15 KV Open Fused Cutout	853.63	324.93
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	663.43	259.95
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,472.07	259.95

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*
Note: Housing and trim priced separately.

26 51 13 00-0002 Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*

26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	82.77	32.26
		For ICAT Housing, Add	*4.42*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	82.77	32.26
		For ICAT Housing, Add	*4.42*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	87.98	33.84
		For ICAT Housing, Add	*4.80*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	93.38	35.30
		For ICAT Housing, Add	*5.21*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	98.80	36.78
		For ICAT Housing, Add	*5.62*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	100.36	39.03
		For ICAT Housing, Add	*5.38*	
26 51 13 00-0009		Recessed Fixture Trim *(26 51 13 00-0001)*		
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	66.09	15.79
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	73.85	15.79
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	87.32	15.79
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	94.44	15.79
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	73.97	15.79
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	69.80	15.79
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	74.58	15.79
26 51 13 00-0017		Wall Mounted Fixtures *(26 51 13)*		
26 51 13 00-0018		Wall Mounted Vanity Light Fixtures *(26 51 13 00-0017)*		
26 51 13 00-0019	EA	1 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2706)	147.40	45.12
26 51 13 00-0020	EA	2 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2707)	189.51	45.12
26 51 13 00-0021	EA	3 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2708)	265.10	45.12
26 51 13 00-0022	EA	4 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2709)	328.08	45.12
26 51 13 00-0023	EA	5 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2713)	399.54	45.12
26 51 13 00-0024	EA	6 Lamp Vanity Light, Wall Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture (Progressive P2714)	487.53	45.12

26 51 13 00-0025 Track Lighting *(26 51 13)*

26 51 13 00-0026 Incandescent Track Lighting Fixtures *(26 51 13 00-0025)*
See CSI section 26 51 19 00-0893 for track lighting tracks.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0027	EA	Incandescent Track Lighting Fixture, 120 Volt	85.83	18.83
26 51 13 00-0028	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	62.67	18.83
26 51 13 00-0029	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	89.28	18.83
26 51 13 00-0030	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	91.92	18.83
26 51 13 00-0031	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	74.71	18.83
26 51 13 00-0032	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	62.67	18.83
26 51 13 00-0033	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	73.45	18.83
26 51 13 00-0034	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	94.56	18.83
26 51 13 00-0035		Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*		
26 51 13 00-0036		Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0035)*		
26 51 13 00-0037	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	127.83	45.12
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0038	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	146.82	45.12
		For Wall Mounted, Add	*5.10*	
26 51 16		**Fluorescent Interior Lighting** *(26 51)*		
26 51 16 00-0001		Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	191.66	32.26
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	216.56	32.26
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	217.33	33.59
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	244.65	33.59
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	260.20	37.71
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	310.87	37.71
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	366.61	37.71
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	208.99	41.22
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	243.59	41.22
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	332.95	48.02
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	359.59	48.02
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	410.19	48.02
26 51 16 00-0020	EA	2 T8 Lamps, 4' Length, Wall Mounted, Corridor Wraparound Fluorescent Fixture	223.91	37.71
26 51 16 00-0021	EA	2 T8 Lamps, 4' Length, Wall Mounted, Corridor/Stairwell Wraparound Fluorescent Fixture With Integrated Occupancy Sensor	567.85	37.71
26 51 16 00-0022		Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0023		1' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0022)*		
26 51 16 00-0024	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	258.70	37.41
26 51 16 00-0025	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	427.42	37.41
26 51 16 00-0026	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	489.20	37.41
26 51 16 00-0027		2' x 2', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0022)*		
26 51 16 00-0028	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	409.45	41.22
26 51 16 00-0029	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	448.43	41.22
26 51 16 00-0030	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	476.57	41.22
26 51 16 00-0031		2' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0022)*		
26 51 16 00-0032	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	413.63	48.02
26 51 16 00-0033	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	455.23	48.02
26 51 16 00-0034	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	478.20	48.02
26 51 16 00-0035	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	513.23	48.02
26 51 16 00-0036		4' x 4', Surface Mounted, Box Type Fluorescent Fixtures *(26 51 16 00-0022)*		
26 51 16 00-0037	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	830.34	61.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0038	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	844.58	61.83
26 51 16 00-0039	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	802.44	61.83
26 51 16 00-0040		**Recessed Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0041		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0040)*		
26 51 16 00-0042		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0041)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	413.84	32.26
		For Drywall Or Plaster Ceilings, Add	*21.79*	
26 51 16 00-0044		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0041)*		
26 51 16 00-0045	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	550.76	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0046	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,047.69	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0047		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0041)*		
26 51 16 00-0048	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	555.90	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0049	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	643.57	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0050	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	649.63	41.22
		For Drywall Or Plaster Ceilings, Add	*27.83*	
26 51 16 00-0051	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	702.23	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0052		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0041)*		
26 51 16 00-0053	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	526.96	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0054	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	760.94	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0055	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	768.06	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0056	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	860.82	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0057	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	729.21	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0058	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,022.50	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0059	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,039.31	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0060		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0040)*		
26 51 16 00-0061		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0060)*		
26 51 16 00-0062	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	495.06	32.26
		For Drywall Or Plaster Ceilings, Add	*21.79*	
26 51 16 00-0063	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	501.10	32.26
		For Drywall Or Plaster Ceilings, Add	*21.79*	
26 51 16 00-0064	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	594.40	32.26
		For Drywall Or Plaster Ceilings, Add	*21.79*	
26 51 16 00-0065		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0060)*		
26 51 16 00-0066	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	563.58	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0067	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	570.70	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0068	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	649.50	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0069		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0060)*		
26 51 16 00-0070	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	574.85	41.22
		For Drywall Or Plaster Ceilings, Add	*27.83*	
26 51 16 00-0071	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	580.89	41.22
		For Drywall Or Plaster Ceilings, Add	*27.83*	
26 51 16 00-0072	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	672.75	41.22
		For Drywall Or Plaster Ceilings, Add	*27.83*	
26 51 16 00-0073		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0060)*		
26 51 16 00-0074	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	526.96	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0075	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	626.04	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0076	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	720.07	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0077	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	821.56	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0078	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Premium High-Performance Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture (Lithonia 2ES8PHE)	225.50	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0079	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Premium High-Performance Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture (Lithonia 2ES8PHE)	225.50	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0080		**Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0040)*		
26 51 16 00-0081		**1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0080)*		
26 51 16 00-0082	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,110.82	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0083	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,117.93	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0084	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,326.88	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0085	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,343.70	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0086		**2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0080)*		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	863.53	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	968.74	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0089	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,195.85	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0090		**2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0080)*		
26 51 16 00-0091	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	967.60	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0092	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,210.32	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0093	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,293.04	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0094	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,422.64	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0095	EA	3 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	868.75	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0096		**Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0040)*		
26 51 16 00-0097		**1' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0096)*		
26 51 16 00-0098	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	856.47	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0099	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,152.91	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0100		**2' x 2', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0096)*		
26 51 16 00-0101	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	849.78	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0102	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	982.33	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0103		**2' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0096)*		
26 51 16 00-0104	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	942.00	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0105	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	944.21	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0106		**Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0040)*		
26 51 16 00-0107		**1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0106)*		
26 51 16 00-0108	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	788.63	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0109		**2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0106)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0110	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	749.88	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0111		**2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0106)*		
26 51 16 00-0112	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	911.54	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0113	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	639.43	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0114	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,051.95	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0115		**Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0040)*		
26 51 16 00-0116		**1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0115)*		
26 51 16 00-0117	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	748.36	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
26 51 16 00-0118		**2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0115)*		
26 51 16 00-0119	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	748.92	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
26 51 16 00-0120		**2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0115)*		
26 51 16 00-0121	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	934.14	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0122	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	949.11	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0123	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	972.89	48.02
		For Drywall Or Plaster Ceilings, Add	*32.46*	
26 51 16 00-0124		**Striplight Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0125		**1 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0124)*		
26 51 16 00-0126	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	298.24	30.91
26 51 16 00-0127	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	375.21	30.91
26 51 16 00-0128	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	364.05	34.31
26 51 16 00-0129	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	369.13	37.71
26 51 16 00-0130	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	452.73	44.67
26 51 16 00-0131		**2 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0124)*		
26 51 16 00-0132	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	368.94	34.31
26 51 16 00-0133	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	376.39	37.71
26 51 16 00-0134	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	381.40	41.22
26 51 16 00-0135	EA	2 - T8 Lamps, 8' Length, Striplight Fluorescent Fixture Note: Tandem 4' length fixtures.	176.61	40.81
26 51 16 00-0136		**3 Lamp Cross Section, Striplight Fluorescent Fixtures** *(26 51 16 00-0124)*		
26 51 16 00-0137	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	562.59	34.31
26 51 16 00-0138	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	536.29	37.71
26 51 16 00-0139	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	541.22	41.22
26 51 16 00-0140		**Display Case Fluorescent Fixtures** *(26 51 16 00-0124)*		
26 51 16 00-0141	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	192.30	33.84
26 51 16 00-0142	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	267.25	33.84
26 51 16 00-0143	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	288.08	39.48
26 51 16 00-0144	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	298.74	39.48
26 51 16 00-0145		**Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0146		**1 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0145)*		
26 51 16 00-0147	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	449.38	30.91
26 51 16 00-0148	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	469.25	37.71
26 51 16 00-0149	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	893.44	48.02
26 51 16 00-0150		**2 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0145)*		
26 51 16 00-0151	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	460.56	34.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0152	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	481.54	41.22
26 51 16 00-0153	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	907.67	48.02
26 51 16 00-0154		**3 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0145)*		
26 51 16 00-0155	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	479.69	34.31
26 51 16 00-0156	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	498.47	41.22
26 51 16 00-0157	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	773.57	48.02
26 51 16 00-0158		**4 Lamp Cross Section, Industrial Fluorescent Fixtures** *(26 51 16 00-0145)*		
26 51 16 00-0159	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	705.84	41.22
26 51 16 00-0160	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,049.57	48.02
26 51 16 00-0161		**Flanged Fluorescent Fixture** *(26 51 16 00-0001)*		
		Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0162	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	643.54	61.83
26 51 16 00-0163	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	781.54	61.83
26 51 16 00-0164	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	788.66	61.83
26 51 16 00-0165		**Undercabinet Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0166	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	227.87	27.83
26 51 16 00-0167	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	263.29	34.00
26 51 16 00-0168	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	258.32	34.00
26 51 16 00-0169	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	317.14	37.10
26 51 16 00-0170	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	368.51	43.28
26 51 16 00-0171		**Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0001)*		
		Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0172		**2' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0171)*		
26 51 16 00-0173	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	260.39	30.91
26 51 16 00-0174	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	291.47	30.91
26 51 16 00-0175		**3' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0171)*		
26 51 16 00-0176	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	298.05	32.46
26 51 16 00-0177	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	327.75	32.46
26 51 16 00-0178		**4' Length, Corner Mounted, Fluorescent Fixtures** *(26 51 16 00-0171)*		
26 51 16 00-0179	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	293.35	34.00
26 51 16 00-0180	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	324.14	34.00
26 51 16 00-0181		**Wall Bracket, Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0182		**Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0181)*		
		Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0183		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0182)*		
26 51 16 00-0184	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	265.27	51.88
26 51 16 00-0185	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	270.42	51.88
26 51 16 00-0186		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0182)*		
26 51 16 00-0187	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	353.82	51.88
26 51 16 00-0188	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	361.01	51.88
26 51 16 00-0189		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W)** *(26 51 16 00-0182)*		
26 51 16 00-0190	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	367.81	51.88
26 51 16 00-0191	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	372.96	51.88
26 51 16 00-0192		**Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0181)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0193		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0192)*		
26 51 16 00-0194	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	696.44	51.88
26 51 16 00-0195	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	701.59	51.88
26 51 16 00-0196		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0192)*		
26 51 16 00-0197	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	541.74	51.88
26 51 16 00-0198	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	548.93	51.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0199		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) *(26 51 16 00-0192)*		
26 51 16 00-0200	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	629.41	51.88
26 51 16 00-0201	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	634.56	51.88
26 51 16 00-0202		Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0181)*		
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0203		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)*		
26 51 16 00-0204	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	252.52	51.88
26 51 16 00-0205	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	257.68	51.88
26 51 16 00-0206		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)*		
26 51 16 00-0207	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	254.57	51.88
26 51 16 00-0208	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	261.76	51.88
26 51 16 00-0209		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC) *(26 51 16 00-0202)*		
26 51 16 00-0210	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	242.76	51.88
26 51 16 00-0211	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	247.91	51.88
26 51 16 00-0212		Low Occupancy, Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0213	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	322.10	37.71
26 51 16 00-0214	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	327.26	41.22
26 51 16 00-0215		Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
		Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.		
26 51 16 00-0216		6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0217	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	252.04	32.26
26 51 16 00-0218	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	301.97	32.26
26 51 16 00-0219		6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0220	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	272.95	33.59
26 51 16 00-0221	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	327.90	33.59
26 51 16 00-0222		1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0223	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	308.68	35.66
26 51 16 00-0224	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	368.68	35.66
26 51 16 00-0225	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	397.18	35.66
26 51 16 00-0226		1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures *(26 51 16 00-0215)*		
26 51 16 00-0227	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	333.36	37.71
26 51 16 00-0228	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	398.81	37.71
26 51 16 00-0229	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures	430.09	37.71
26 51 16 00-0230		Ceiling Mounted Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0231		Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0230)*		
26 51 16 00-0232		Glass Globe, Compact Fluorescent/Incandescent Fixtures *(26 51 16 00-0231)*		
26 51 16 00-0233	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	230.33	45.12
26 51 16 00-0234	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	285.95	45.12
26 51 16 00-0235	EA	9" Diameter, Ceiling Mounted, 4" Height Glass Globe, Compact Fluorescent Fixture (Progressive P3910)	200.62	45.12
26 51 16 00-0236	EA	14" Diameter, Ceiling Mounted, 4" Height Glass Globe, Compact Fluorescent Fixture (Progressive P3910)	331.20	45.12
26 51 16 00-0237		Ceiling Mounted, Circline Fluorescent Fixtures *(26 51 16 00-0230)*		
26 51 16 00-0238		Exposed Lamps, Circline Fluorescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0239	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	180.41	45.12
26 51 16 00-0240	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	200.60	45.12
26 51 16 00-0241		Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures *(26 51 16 00-0237)*		
26 51 16 00-0242	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	304.06	45.12
26 51 16 00-0243	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	457.20	45.12
26 51 16 00-0244	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	563.30	45.12
26 51 16 00-0245	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	353.67	45.12

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26 51 16 00-0246	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	460.34	45.12
26 51 16 00-0247	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	563.30	45.12
26 51 16 00-0248		Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0230)*		
26 51 16 00-0249		Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures *(26 51 16 00-0248)*		
26 51 16 00-0250	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	308.33	45.12
26 51 16 00-0251	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	420.77	45.12
26 51 16 00-0252	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	516.09	45.12
26 51 16 00-0253	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	237.35	45.12
26 51 16 00-0254	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	295.77	45.12
26 51 16 00-0255	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	406.46	45.12
26 51 16 00-0256		Pendant Mounted, Compact Fluorescent/Incandescent Downlights *(26 51 16 00-0230)*		
26 51 16 00-0257		Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights *(26 51 16 00-0256)*		
26 51 16 00-0258	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	530.51	37.07
26 51 16 00-0259		Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle *(26 51 16 00-0256)*		
26 51 16 00-0260	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	615.19	37.07
26 51 16 00-0261	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	888.40	37.07
26 51 16 00-0262		Pendant Mounted, Horizontal Indirect Fluorescent Fixtures *(26 51 16 00-0230)*		
26 51 16 00-0263	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	313.77	37.07
26 51 16 00-0264	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	334.96	37.07
26 51 16 00-0265	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	403.81	37.07
26 51 16 00-0266	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	419.46	37.07
26 51 16 00-0267	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	505.17	37.07
26 51 16 00-0268	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	606.06	37.07
26 51 16 00-0269		Finelite Fluorescent Fixtures *(26 51 16 00-0230)*		
26 51 16 00-0270		Pendant Mounted, Fluorescent Downlight Fixtures (Finelite Series 10) *(26 51 16 00-0269)*		
26 51 16 00-0271	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	534.65	52.56
		For Dual Circuit, Add	*136.71*	
26 51 16 00-0272	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	532.38	52.56
		For Dual Circuit, Add	*136.03*	
26 51 16 00-0273	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	577.05	52.56
		For Dual Circuit, Add	*149.43*	
26 51 16 00-0274	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	648.38	52.56
		For Dual Circuit, Add	*170.83*	
26 51 16 00-0275	EA	2 T5HO Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	712.90	52.56
		For Dual Circuit, Add	*190.18*	
26 51 16 00-0276	EA	3 T5HO Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	880.69	52.56
		For Dual Circuit, Add	*240.52*	
26 51 16 00-0277	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	769.34	54.82
		For Dual Circuit, Add	*154.83*	
26 51 16 00-0278	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	792.96	54.82
		For Dual Circuit, Add	*160.14*	
26 51 16 00-0279	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	882.30	54.82
		For Dual Circuit, Add	*180.25*	
26 51 16 00-0280	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	846.59	54.82
		For Dual Circuit, Add	*172.21*	
26 51 16 00-0281	EA	4 T5HO Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,069.50	54.82
		For Dual Circuit, Add	*222.37*	
26 51 16 00-0282	EA	6 T5HO Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,264.26	54.82
		For Dual Circuit, Add	*266.19*	
26 51 16 00-0283	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,022.80	57.08
		For Dual Circuit, Add	*140.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0284	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,062.93	57.08
		For Dual Circuit, Add	*146.92*	
26 51 16 00-0285	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,178.16	57.08
		For Dual Circuit, Add	*164.20*	
26 51 16 00-0286	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,185.62	57.08
		For Dual Circuit, Add	*165.32*	
26 51 16 00-0287	EA	6 T5HO Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,473.06	57.08
		For Dual Circuit, Add	*208.44*	
26 51 16 00-0288	EA	9 T5HO Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Downlight Fixture (Finelite Series 10)	1,769.88	57.08
		For Dual Circuit, Add	*252.96*	

26 51 16 00-0289 Pendant Mounted, Fluorescent Wallwash Fixtures (Finelite Series X2-O) *(26 51 16 00-0269)*

26 51 16 00-0290	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	529.01	52.56
		For Dual Circuit, Add	*135.02*	
26 51 16 00-0291	EA	1 T5 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	577.58	52.56
		For Dual Circuit, Add	*149.59*	
26 51 16 00-0292	EA	1 T5HO Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	577.91	52.56
		For Dual Circuit, Add	*149.69*	
26 51 16 00-0293	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	784.37	54.82
		For Dual Circuit, Add	*158.21*	
26 51 16 00-0294	EA	2 T5 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	840.51	54.82
		For Dual Circuit, Add	*170.84*	
26 51 16 00-0295	EA	2 T5HO Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	841.18	54.82
		For Dual Circuit, Add	*170.99*	
26 51 16 00-0296	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,039.73	57.08
		For Dual Circuit, Add	*143.44*	
26 51 16 00-0297	EA	3 T5 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,185.45	57.08
		For Dual Circuit, Add	*165.30*	
26 51 16 00-0298	EA	3 T5HO Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Wallwash Fixture (Finelite Series X2-O)	1,186.45	57.08
		For Dual Circuit, Add	*165.45*	

26 51 16 00-0299 Pendant Mounted, Fluorescent Indirect Fixtures (Finelite Series 8) *(26 51 16 00-0269)*

26 51 16 00-0300	EA	1 T8 Lamp, 1 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	400.32	52.56
		For Dual Circuit, Add	*96.41*	
26 51 16 00-0301	EA	2 T8 Lamps, 2 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	423.15	52.56
		For Dual Circuit, Add	*103.26*	
26 51 16 00-0302	EA	3 T8 Lamps, 3 Lamp Wide Cross Section, 4' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	503.61	52.56
		For Dual Circuit, Add	*127.40*	
26 51 16 00-0303	EA	2 T8 Lamps, 1 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	527.56	54.82
		For Dual Circuit, Add	*100.43*	
26 51 16 00-0304	EA	4 T8 Lamps, 2 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	625.61	54.82
		For Dual Circuit, Add	*122.49*	
26 51 16 00-0305	EA	6 T8 Lamps, 3 Lamp Wide Cross Section, 8' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	742.00	54.82
		For Dual Circuit, Add	*148.68*	
26 51 16 00-0306	EA	3 T8 Lamps, 1 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	733.38	57.08
		For Dual Circuit, Add	*97.49*	
26 51 16 00-0307	EA	6 T8 Lamps, 2 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	901.42	57.08
		For Dual Circuit, Add	*122.69*	
26 51 16 00-0308	EA	9 T8 Lamps, 3 Lamp Wide Cross Section, 12' Length, Pendant Mounted, Fluorescent Indirect Fixture (Finelite Series 8-I)	1,079.93	57.08
		For Dual Circuit, Add	*149.47*	

26 51 16 00-0309 Fluorescent, Recessed Fixture Housings *(26 51 16)*

26 51 16 00-0310	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	137.18	32.26
		For ICAT Housing, Add	*11.44*	
26 51 16 00-0311	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	142.01	32.26
		For ICAT Housing, Add	*12.06*	
26 51 16 00-0312	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	147.93	33.73
		For ICAT Housing, Add	*12.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0313	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	155.50	34.96
		For ICAT Housing, Add	*13.22*	
26 51 16 00-0314	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	162.07	36.78
		For ICAT Housing, Add	*13.78*	
26 51 16 00-0315	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	167.66	39.03
		For ICAT Housing, Add	*14.06*	
26 51 16 00-0316		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0317	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	157.96	32.26
		For ICAT Housing, Add	*14.12*	
26 51 16 00-0318	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	162.72	32.26
		For ICAT Housing, Add	*14.73*	
26 51 16 00-0319	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	168.79	33.84
		For ICAT Housing, Add	*15.23*	
26 51 16 00-0320	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	173.63	35.30
		For ICAT Housing, Add	*15.56*	
26 51 16 00-0321	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	179.22	36.78
		For ICAT Housing, Add	*15.99*	
26 51 16 00-0322	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	184.45	39.03
		For ICAT Housing, Add	*16.23*	
26 51 16 00-0323		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0324	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	327.88	18.83
26 51 16 00-0325	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	338.44	18.83
26 51 16 00-0326	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	345.03	18.83
26 51 16 00-0327	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	226.12	18.83
26 51 16 00-0328	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	372.35	18.83
26 51 16 00-0329		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0330	EA	Compact Fluorescent Track Lighting Fixture	101.50	18.83
26 51 16 00-0331		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0332	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	137.63	45.12
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0333	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	141.37	45.12
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0334	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.60	45.12
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0335		**Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0336		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0335)*		
26 51 16 00-0337		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)** *(26 51 16 00-0336)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0338	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	319.90	48.02
		For T5 Fixture Instead Of T8, Add	*28.37*	
26 51 16 00-0339	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	336.13	48.02
		For T5 Fixture Instead Of T8, Add	*30.23*	
26 51 16 00-0340	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	533.87	48.02
		For T5 Fixture Instead Of T8, Add	*52.87*	
26 51 16 00-0341	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	458.64	48.02
26 51 16 00-0342	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	746.36	48.02
26 51 16 00-0343		**4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)** *(26 51 16 00-0336)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0344	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	376.87	48.02
26 51 16 00-0345	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	381.87	48.02
26 51 16 00-0346	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	563.02	48.02
26 51 16 00-0347	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	462.79	48.02
26 51 16 00-0348	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	484.42	48.02
26 51 16 00-0349		**8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures** *(26 51 16 00-0335)* Note: Includes high impact acrylic molded lens.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0350		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0349)* Note: Includes high impact acrylic molded lens.		
26 51 16 00-0351	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	610.50	65.23
		For T5 Fixture Instead Of T8, Add	*58.69*	
26 51 16 00-0352	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	636.13	65.23
		For T5 Fixture Instead Of T8, Add	*61.63*	
26 51 16 00-0353		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0354		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0353)*		
26 51 16 00-0355		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0354)* Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0356	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	515.67	105.11
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0357	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	538.73	116.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0358	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	610.38	132.93
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0359	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	737.93	140.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0360	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	804.61	146.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0361	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	466.28	132.93
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0362	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	490.82	140.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0363	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	567.43	146.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0364		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0353)*		
26 51 16 00-0365		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0364)* Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0366	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	523.67	105.11
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0367	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	547.80	116.45
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0368	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	624.50	132.93
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0369	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	764.50	140.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0370	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	499.33	132.93
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0371	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	554.88	140.04
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0372	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	656.05	146.54
		For Wire Guard, Add	*40.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Acrylic Lens, Add	*54.00*	

26 51 19 LED Interior Lighting *(26 51)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0001		LED Fixtures *(26 51 19)*		
26 51 19 00-0002		Undercabinet LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	137.77	27.83
		For >50 To 100, Deduct	*-4.60*	
		For >100 To 250, Deduct	*-8.05*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-19.51*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	170.39	34.00
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 250, Deduct	*-9.94*	
		For >250 To 500, Deduct	*-17.04*	
		For >500, Deduct	*-24.14*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	170.83	34.00
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-17.08*	
		For >500, Deduct	*-24.21*	
26 51 19 00-0006	EA	9" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7002)	126.55	27.83
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-7.49*	
		For >250 To 500, Deduct	*-12.66*	
		For >500, Deduct	*-17.82*	
26 51 19 00-0007	EA	12" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7012)	138.54	27.83
		For >50 To 100, Deduct	*-4.62*	
		For >100 To 250, Deduct	*-8.09*	
		For >250 To 500, Deduct	*-13.85*	
		For >500, Deduct	*-19.62*	
26 51 19 00-0008	EA	18" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7005)	156.77	27.83
		For >50 To 100, Deduct	*-5.08*	
		For >100 To 250, Deduct	*-9.00*	
		For >250 To 500, Deduct	*-15.68*	
		For >500, Deduct	*-22.36*	
26 51 19 00-0009	EA	24" Length x 3-1/2 Width x 1" Depth, Undercabinet/Modular General Purpose LED Fixture (Progressive P7013)	174.43	27.83
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.88*	
		For >250 To 500, Deduct	*-17.44*	
		For >500, Deduct	*-25.01*	
26 51 19 00-0010	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	166.00	27.83
		For >50 To 100, Deduct	*-5.31*	
		For >100 To 250, Deduct	*-9.46*	
		For >250 To 500, Deduct	*-16.60*	
		For >500, Deduct	*-23.74*	
26 51 19 00-0011		Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0012		Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0011)*		
		Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI		
26 51 19 00-0013	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	216.72	30.91
26 51 19 00-0014	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	222.66	30.91
26 51 19 00-0015	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	256.74	37.71
26 51 19 00-0016	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	262.70	37.71
26 51 19 00-0017	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	268.65	37.71
26 51 19 00-0018	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	274.59	37.71
26 51 19 00-0019	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	280.54	37.71
26 51 19 00-0020	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	359.23	44.62
26 51 19 00-0021	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	371.13	44.62
26 51 19 00-0022	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	384.51	44.62
26 51 19 00-0023	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	396.41	44.62
26 51 19 00-0024	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	409.79	44.62
26 51 19 00-0025	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	421.68	44.62
26 51 19 00-0026		Striplight LED Fixtures (Lithonia ZL) *(26 51 19 00-0011)*		
26 51 19 00-0027	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	223.27	30.91
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 250, Deduct	*-12.32*	
		For >250 To 500, Deduct	*-22.33*	
		For >500, Deduct	*-32.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0028	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	233.57	37.71
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 250, Deduct	*-13.10*	
		For >250 To 500, Deduct	*-23.36*	
		For >500, Deduct	*-33.62*	
26 51 19 00-0029	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	266.03	30.91
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-14.46*	
		For >250 To 500, Deduct	*-26.60*	
		For >500, Deduct	*-38.75*	
26 51 19 00-0030	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	276.33	37.71
		For >50 To 100, Deduct	*-8.33*	
		For >100 To 250, Deduct	*-15.23*	
		For >250 To 500, Deduct	*-27.63*	
		For >500, Deduct	*-40.03*	
26 51 19 00-0031	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	348.58	37.71
		For >50 To 100, Deduct	*-10.13*	
		For >100 To 250, Deduct	*-18.85*	
		For >250 To 500, Deduct	*-34.86*	
		For >500, Deduct	*-50.87*	
26 51 19 00-0032	EA	3,000 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2N)	265.41	68.74
		For >50 To 100, Deduct	*-9.21*	
		For >100 To 250, Deduct	*-15.85*	
		For >250 To 500, Deduct	*-26.54*	
		For >500, Deduct	*-37.24*	

26 51 19 00-0033 Striplight LED Fixtures (Lithonia ZL1D) *(26 51 19 00-0011)*

26 51 19 00-0034	EA	1,985 Lumens, 17 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 30K 80CRI)	174.26	30.91
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.87*	
		For >250 To 500, Deduct	*-17.43*	
		For >500, Deduct	*-24.98*	
26 51 19 00-0035	EA	2,030 Lumens, 17 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 35K 80CRI)	174.26	30.91
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.87*	
		For >250 To 500, Deduct	*-17.43*	
		For >500, Deduct	*-24.98*	
26 51 19 00-0036	EA	2,061 Lumens, 17 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 40K 80CRI)	174.26	30.91
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.87*	
		For >250 To 500, Deduct	*-17.43*	
		For >500, Deduct	*-24.98*	
26 51 19 00-0037	EA	2,137 Lumens, 17 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 1500LM MVOLT 50K 80CRI)	174.26	30.91
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.87*	
		For >250 To 500, Deduct	*-17.43*	
		For >500, Deduct	*-24.98*	
26 51 19 00-0038	EA	2,682 Lumens, 22 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 30K 80CRI)	197.56	30.91
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-19.76*	
		For >500, Deduct	*-28.47*	
26 51 19 00-0039	EA	2,742 Lumens, 22 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 35K 80CRI)	197.56	30.91
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-19.76*	
		For >500, Deduct	*-28.47*	
26 51 19 00-0040	EA	2,785 Lumens, 22 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 40K 80CRI)	197.56	30.91
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-19.76*	
		For >500, Deduct	*-28.47*	
26 51 19 00-0041	EA	2,887 Lumens, 22 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 2500LM MVOLT 50K 80CRI)	197.56	30.91
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 250, Deduct	*-11.04*	
		For >250 To 500, Deduct	*-19.76*	
		For >500, Deduct	*-28.47*	
26 51 19 00-0042	EA	4,099 Lumens, 36 Watt, 2' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 30K 80CRI)	209.15	30.91
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.62*	
		For >250 To 500, Deduct	*-20.92*	
		For >500, Deduct	*-30.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0043	EA	4,190 Lumens, 36 Watt, 2' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 35K 80CRI)	209.15	30.91
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.62*	
		For >250 To 500, Deduct	*-20.92*	
		For >500, Deduct	*-30.21*	
26 51 19 00-0044	EA	4,255 Lumens, 36 Watt, 2' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 40K 80CRI)	209.15	30.91
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.62*	
		For >250 To 500, Deduct	*-20.92*	
		For >500, Deduct	*-30.21*	
26 51 19 00-0045	EA	4,412 Lumens, 36 Watt, 2' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L24 3500LM MVOLT 50K 80CRI)	209.15	30.91
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.62*	
		For >250 To 500, Deduct	*-20.92*	
		For >500, Deduct	*-30.21*	
26 51 19 00-0046	EA	3,880 Lumens, 30 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 30K 80CRI)	238.02	37.71
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 250, Deduct	*-13.32*	
		For >250 To 500, Deduct	*-23.80*	
		For >500, Deduct	*-34.29*	
26 51 19 00-0047	EA	3,966 Lumens, 30 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 35K 80CRI)	238.02	37.71
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 250, Deduct	*-13.32*	
		For >250 To 500, Deduct	*-23.80*	
		For >500, Deduct	*-34.29*	
26 51 19 00-0048	EA	4,028 Lumens, 30 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 40K 80CRI)	238.02	37.71
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 250, Deduct	*-13.32*	
		For >250 To 500, Deduct	*-23.80*	
		For >500, Deduct	*-34.29*	
26 51 19 00-0049	EA	4,176 Lumens, 30 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 3000LM MVOLT 50K 80CRI)	238.02	37.71
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 250, Deduct	*-13.32*	
		For >250 To 500, Deduct	*-23.80*	
		For >500, Deduct	*-34.29*	
26 51 19 00-0050	EA	5,337 Lumens, 41 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 30K 80CRI)	249.60	37.71
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-13.90*	
		For >250 To 500, Deduct	*-24.96*	
		For >500, Deduct	*-36.02*	
26 51 19 00-0051	EA	5,456 Lumens, 41 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 35K 80CRI)	249.60	37.71
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-13.90*	
		For >250 To 500, Deduct	*-24.96*	
		For >500, Deduct	*-36.02*	
26 51 19 00-0052	EA	5,541 Lumens, 41 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 40K 80CRI)	249.60	37.71
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-13.90*	
		For >250 To 500, Deduct	*-24.96*	
		For >500, Deduct	*-36.02*	
26 51 19 00-0053	EA	5,745 Lumens, 41 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 5000LM MVOLT 50K 80CRI)	249.60	37.71
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-13.90*	
		For >250 To 500, Deduct	*-24.96*	
		For >500, Deduct	*-36.02*	
26 51 19 00-0054	EA	7,317 Lumens, 59 Watt, 4' Length, 3000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 30K 80CRI)	261.20	37.71
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-14.48*	
		For >250 To 500, Deduct	*-26.12*	
		For >500, Deduct	*-37.76*	
26 51 19 00-0055	EA	7,480 Lumens, 59 Watt, 4' Length, 3500K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 35K 80CRI)	261.20	37.71
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-14.48*	
		For >250 To 500, Deduct	*-26.12*	
		For >500, Deduct	*-37.76*	
26 51 19 00-0056	EA	7,596 Lumens, 59 Watt, 4' Length, 4000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 40K 80CRI)	261.20	37.71
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-14.48*	
		For >250 To 500, Deduct	*-26.12*	
		For >500, Deduct	*-37.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0057	EA	7,876 Lumens, 59 Watt, 4' Length, 5000K CCT, LED Striplight (Lithonia Lighting ZL1D L48 7000LM MVOLT 50K 80CRI)	261.20	37.71
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-14.48*	
		For >250 To 500, Deduct	*-26.12*	
		For >500, Deduct	*-37.76*	
26 51 19 00-0058		Striplight LED Fixtures (Lithonia TZL1D) *(26 51 19 00-0011)*		
26 51 19 00-0059	EA	8,077 Lumens, 60 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 30K 80CRI)	429.66	44.62
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-23.16*	
		For >250 To 500, Deduct	*-42.97*	
		For >500, Deduct	*-62.77*	
26 51 19 00-0060	EA	8,257 Lumens, 60 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 35K 80CRI)	429.66	44.62
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-23.16*	
		For >250 To 500, Deduct	*-42.97*	
		For >500, Deduct	*-62.77*	
26 51 19 00-0061	EA	8,386 Lumens, 60 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 40K 80CRI)	429.66	44.62
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-23.16*	
		For >250 To 500, Deduct	*-42.97*	
		For >500, Deduct	*-62.77*	
26 51 19 00-0062	EA	8,694 Lumens, 60 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 6000LM MVOLT 50K 80CRI)	429.66	44.62
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-23.16*	
		For >250 To 500, Deduct	*-42.97*	
		For >500, Deduct	*-62.77*	
26 51 19 00-0063	EA	11,021 Lumens, 81 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 30K 80CRI)	452.84	44.62
		For >50 To 100, Deduct	*-13.00*	
		For >100 To 250, Deduct	*-24.32*	
		For >250 To 500, Deduct	*-45.28*	
		For >500, Deduct	*-66.25*	
26 51 19 00-0064	EA	11,267 Lumens, 81 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 35K 80CRI)	452.84	44.62
		For >50 To 100, Deduct	*-13.00*	
		For >100 To 250, Deduct	*-24.32*	
		For >250 To 500, Deduct	*-45.28*	
		For >500, Deduct	*-66.25*	
26 51 19 00-0065	EA	11,442 Lumens, 81 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 40K 80CRI)	452.84	44.62
		For >50 To 100, Deduct	*-13.00*	
		For >100 To 250, Deduct	*-24.32*	
		For >250 To 500, Deduct	*-45.28*	
		For >500, Deduct	*-66.25*	
26 51 19 00-0066	EA	11,864 Lumens, 81 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 10000LM MVOLT 50K 80CRI)	452.84	44.62
		For >50 To 100, Deduct	*-13.00*	
		For >100 To 250, Deduct	*-24.32*	
		For >250 To 500, Deduct	*-45.28*	
		For >500, Deduct	*-66.25*	
26 51 19 00-0067	EA	15,397 Lumens, 121 Watt, 8' Length, 3000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 30K 80CRI)	476.15	44.62
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-25.48*	
		For >250 To 500, Deduct	*-47.62*	
		For >500, Deduct	*-69.75*	
26 51 19 00-0068	EA	15,741 Lumens, 121 Watt, 8' Length, 3500K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 35K 80CRI)	476.15	44.62
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-25.48*	
		For >250 To 500, Deduct	*-47.62*	
		For >500, Deduct	*-69.75*	
26 51 19 00-0069	EA	15,986 Lumens, 121 Watt, 8' Length, 4000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 40K 80CRI)	476.15	44.62
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-25.48*	
		For >250 To 500, Deduct	*-47.62*	
		For >500, Deduct	*-69.75*	
26 51 19 00-0070	EA	16,574 Lumens, 121 Watt, 8' Length, 5000K CCT, LED Striplight (Lithonia Lighting TZL1D L96 14000LM MVOLT 50K 80CRI)	476.15	44.62
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 250, Deduct	*-25.48*	
		For >250 To 500, Deduct	*-47.62*	
		For >500, Deduct	*-69.75*	
26 51 19 00-0071		Striplight LED Fixtures (Mobern) *(26 51 19 00-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0072	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	226.41	30.91
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 250, Deduct	*-12.48*	
		For >250 To 500, Deduct	*-22.64*	
		For >500, Deduct	*-32.80*	

26 51 19 00-0073 Striplight LED Fixtures (Eaton) *(26 51 19 00-0011)*

26 51 19 00-0074	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	288.28	37.71
		For >50 To 100, Deduct	*-8.62*	
		For >100 To 250, Deduct	*-15.83*	
		For >250 To 500, Deduct	*-28.83*	
		For >500, Deduct	*-41.83*	
26 51 19 00-0075	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	271.38	37.71
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 250, Deduct	*-14.99*	
		For >250 To 500, Deduct	*-27.14*	
		For >500, Deduct	*-39.29*	
26 51 19 00-0076	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	288.28	37.71
		For >50 To 100, Deduct	*-8.62*	
		For >100 To 250, Deduct	*-15.83*	
		For >250 To 500, Deduct	*-28.83*	
		For >500, Deduct	*-41.83*	

26 51 19 00-0077 Striplight LED Fixtures (FSC LCS) *(26 51 19 00-0011)*

26 51 19 00-0078	EA	1,746 Lumens, 12 Watt, 2' Length, LED Industrial Strip (FSC LCS)	338.31	30.91
		For >50 To 100, Deduct	*-9.62*	
		For >100 To 250, Deduct	*-18.08*	
		For >250 To 500, Deduct	*-33.83*	
		For >500, Deduct	*-49.59*	
26 51 19 00-0079	EA	6,355 Lumens, 50 Watt, 4' Length, LED Industrial Strip (FSC LCS)	559.51	38.12
		For >50 To 100, Deduct	*-15.40*	
		For >100 To 250, Deduct	*-29.39*	
		For >250 To 500, Deduct	*-55.95*	
		For >500, Deduct	*-82.51*	
26 51 19 00-0080	EA	6,355 Lumens, 50 Watt, 8' Length, LED Industrial Strip (FSC LCS)	632.17	44.62
		For >50 To 100, Deduct	*-17.48*	
		For >100 To 250, Deduct	*-33.28*	
		For >250 To 500, Deduct	*-63.22*	
		For >500, Deduct	*-93.15*	

26 51 19 00-0081 Striplight LED Fixtures (Globalux LCS) *(26 51 19 00-0011)*

26 51 19 00-0082	EA	7,035 Lumens, 68 Watt, 8' Length, LED Industrial Strip (Globalux LCS)	249.43	44.62
		For >50 To 100, Deduct	*-7.91*	
		For >100 To 250, Deduct	*-14.15*	
		For >250 To 500, Deduct	*-24.94*	
		For >500, Deduct	*-35.74*	
26 51 19 00-0083	EA	10,093 Lumens, 104 Watt, 8' Length, LED Industrial Strip (Globalux LCS)	319.71	44.62
		For >50 To 100, Deduct	*-9.67*	
		For >100 To 250, Deduct	*-17.66*	
		For >250 To 500, Deduct	*-31.97*	
		For >500, Deduct	*-46.28*	

26 51 19 00-0084 Striplight LED Fixture (GreenCreative STRIPDIM) *(26 51 19 00-0011)*

26 51 19 00-0085	EA	4' Strip, 22.5 Watt, 3000K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/830/277V)	170.83	37.71
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-17.08*	
		For >500, Deduct	*-24.21*	
26 51 19 00-0086	EA	4' Strip, 22.5 Watt, 3500K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/835/277V)	170.83	37.71
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-17.08*	
		For >500, Deduct	*-24.21*	
26 51 19 00-0087	EA	4' Strip, 22.5 Watt, 4000K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/840/277V)	170.83	37.71
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-17.08*	
		For >500, Deduct	*-24.21*	
26 51 19 00-0088	EA	4' Strip, 22.5 Watt, 5000K CCT, LED Strip Fixture (GreenCreative 22.5STRIPDIM/850/277V)	170.83	37.71
		For >50 To 100, Deduct	*-5.69*	
		For >100 To 250, Deduct	*-9.96*	
		For >250 To 500, Deduct	*-17.08*	
		For >500, Deduct	*-24.21*	
26 51 19 00-0089	EA	4' Strip, 38.5 Watt, 3000K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/830/277V)	215.69	37.71
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-21.57*	
		For >500, Deduct	*-30.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0090	EA	4' Strip, 38.5 Watt, 3500K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/835/277V)	215.69	37.71
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-21.57*	
		For >500, Deduct	*-30.94*	
26 51 19 00-0091	EA	4' Strip, 38.5 Watt, 4000K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/840/277V)	215.69	37.71
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-21.57*	
		For >500, Deduct	*-30.94*	
26 51 19 00-0092	EA	4' Strip, 38.5 Watt, 5000K CCT, LED Strip Fixture (GreenCreative 38.5STRIPDIM/850/277V)	215.69	37.71
		For >50 To 100, Deduct	*-6.81*	
		For >100 To 250, Deduct	*-12.20*	
		For >250 To 500, Deduct	*-21.57*	
		For >500, Deduct	*-30.94*	
26 51 19 00-0093		Surface Ambient Fixture (Cree LS4) *(26 51 19 00-0011)*		
26 51 19 00-0094	EA	2,500 Lumens, 23 Watt, 3500K CCT, 4' LED Surface Ambient Fixture (Cree LS4-25L-35K-10V)	219.89	48.02
		For >50 To 100, Deduct	*-7.30*	
		For >100 To 250, Deduct	*-12.80*	
		For >250 To 500, Deduct	*-21.99*	
		For >500, Deduct	*-31.18*	
26 51 19 00-0095	EA	2,500 Lumens, 23 Watt, 4000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-25L-40K-10V)	219.89	48.02
		For >50 To 100, Deduct	*-7.30*	
		For >100 To 250, Deduct	*-12.80*	
		For >250 To 500, Deduct	*-21.99*	
		For >500, Deduct	*-31.18*	
26 51 19 00-0096	EA	2,500 Lumens, 23 Watt, 5000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-25L-50K-10V)	235.37	48.02
		For >50 To 100, Deduct	*-7.69*	
		For >100 To 250, Deduct	*-13.57*	
		For >250 To 500, Deduct	*-23.54*	
		For >500, Deduct	*-33.50*	
26 51 19 00-0097	EA	4,000 Lumens, 44 Watt, 3500K CCT, 4' LED Surface Ambient Fixture (Cree LS4-40L-35K-10V)	220.63	48.02
		For >50 To 100, Deduct	*-7.32*	
		For >100 To 250, Deduct	*-12.84*	
		For >250 To 500, Deduct	*-22.06*	
		For >500, Deduct	*-31.29*	
26 51 19 00-0098	EA	4,000 Lumens, 44 Watt, 4000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-40L-40K-10V)	211.54	48.02
		For >50 To 100, Deduct	*-7.09*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.15*	
		For >500, Deduct	*-29.93*	
26 51 19 00-0099	EA	4,000 Lumens, 44 Watt, 5000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-40L-50K-10V)	230.04	48.02
		For >50 To 100, Deduct	*-7.55*	
		For >100 To 250, Deduct	*-13.31*	
		For >250 To 500, Deduct	*-23.00*	
		For >500, Deduct	*-32.70*	
26 51 19 00-0100	EA	6,000 Lumens, 60 Watt, 3500K CCT, 4' LED Surface Ambient Fixture (Cree LS4-60L-35K-10V)	252.26	48.02
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 250, Deduct	*-14.42*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-36.04*	
26 51 19 00-0101	EA	6,000 Lumens, 60 Watt, 4000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-60L-40K-10V)	252.26	48.02
		For >50 To 100, Deduct	*-8.11*	
		For >100 To 250, Deduct	*-14.42*	
		For >250 To 500, Deduct	*-25.23*	
		For >500, Deduct	*-36.04*	
26 51 19 00-0102	EA	6,000 Lumens, 60 Watt, 5000K CCT, 4' LED Surface Ambient Fixture (Cree LS4-60L-50K-10V)	267.74	48.02
		For >50 To 100, Deduct	*-8.50*	
		For >100 To 250, Deduct	*-15.19*	
		For >250 To 500, Deduct	*-26.77*	
		For >500, Deduct	*-38.36*	
26 51 19 00-0103		Suspended Linear LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0104		Suspended, Pendant Mounted, Linear LED Fixtures (Lithonia GRD) *(26 51 19 00-0103)*		
26 51 19 00-0105	EA	3,303 Lumens, 25 Watt, 4' Length, 3000K CCT, 4' Length, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID800LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0106	EA	3,401 Lumens, 25 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID800LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0107	EA	3,456 Lumens, 25 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID800LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0108	EA	4,033 Lumens, 32 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1000LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0109	EA	4,153 Lumens, 32 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1000LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0110	EA	4,220 Lumens, 32 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1000LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0111	EA	4,843 Lumens, 40 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1300LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0112	EA	4,987 Lumens, 40 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1300LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0113	EA	5,067 Lumens, 40 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1300LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0114	EA	5,841 Lumens, 51 Watt, 4' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 30K ID1500LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0115	EA	6,015 Lumens, 51 Watt, 4' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 35K ID1500LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0116	EA	6,111 Lumens, 51 Watt, 4' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL4 40K ID1500LMF)	745.95	37.71
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-38.71*	
		For >250 To 500, Deduct	*-74.60*	
		For >500, Deduct	*-110.48*	
26 51 19 00-0117	EA	6,606 Lumens, 50 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID800LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0118	EA	6,802 Lumens, 50 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID800LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0119	EA	6,912 Lumens, 50 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID800LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0120	EA	8,066 Lumens, 64 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1000LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0121	EA	8,303 Lumens, 64 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1000LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0122	EA	8,440 Lumens, 64 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1000LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0123	EA	9,686 Lumens, 80 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1300LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0124	EA	9,974 Lumens, 80 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1300LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0125	EA	10,134 Lumens, 80 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1300LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0126	EA	11,682 Lumens, 102 Watt, 8' Length, 3000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 30K ID1500LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0127	EA	12,030 Lumens, 102 Watt, 8' Length, 3500K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 35K ID1500LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0128	EA	12,222 Lumens, 102 Watt, 8' Length, 4000K CCT, Grad Linear, Suspended LED Light (Lithonia Lighting GRD LSL MSL8 40K ID1500LMF)	1,114.93	44.62
		For >50 To 100, Deduct	*-29.55*	
		For >100 To 250, Deduct	*-57.42*	
		For >250 To 500, Deduct	*-111.49*	
		For >500, Deduct	*-165.57*	
26 51 19 00-0129		**Suspended Linear LED Fixtures (Lithonia GRD)** *(26 51 19 00-0103)*		
26 51 19 00-0130	EA	24' Length, 8' Sections, 80 CRI, 3,500K, LED Linear Fixture (Lithonia GRD 24FT MSL8 80 CRI 35K ID800LMF 20/80 MIN1 ZT 120 SCT PDT)	2,204.54	170.03
26 51 19 00-0131		**Lay-In/Troffer LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0132		**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0131)*		
26 51 19 00-0133		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0132)*		
26 51 19 00-0134	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	619.57	37.41
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.15*	
		For >50 To 100, Deduct	*-16.91*	
		For >100 To 250, Deduct	*-32.40*	
		For >250 To 500, Deduct	*-61.96*	
		For >500, Deduct	*-91.52*	
26 51 19 00-0135	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	367.52	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
		For >50 To 100, Deduct	*-10.73*	
		For >100 To 250, Deduct	*-19.92*	
		For >250 To 500, Deduct	*-36.75*	
		For >500, Deduct	*-53.58*	
26 51 19 00-0136	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	622.93	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.18*	
		For >50 To 100, Deduct	*-17.38*	
		For >100 To 250, Deduct	*-32.95*	
		For >250 To 500, Deduct	*-62.29*	
		For >500, Deduct	*-91.64*	
26 51 19 00-0137		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera)** *(26 51 19 00-0132)*		
26 51 19 00-0138	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	897.31	37.41
		For >50 To 100, Deduct	*-23.85*	
		For >100 To 250, Deduct	*-46.28*	
		For >250 To 500, Deduct	*-89.73*	
		For >500, Deduct	*-133.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0139	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	627.24	41.22
		For >50 To 100, Deduct	*-17.23*	
		For >100 To 250, Deduct	*-32.91*	
		For >250 To 500, Deduct	*-62.72*	
		For >500, Deduct	*-92.54*	
26 51 19 00-0140	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	818.63	48.02
		For >50 To 100, Deduct	*-22.27*	
		For >100 To 250, Deduct	*-42.74*	
		For >250 To 500, Deduct	*-81.86*	
		For >500, Deduct	*-120.99*	
26 51 19 00-0141		Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 19 00-0132)*		
26 51 19 00-0142	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	409.45	41.22
		For >50 To 100, Deduct	*-11.78*	
		For >100 To 250, Deduct	*-22.02*	
		For >250 To 500, Deduct	*-40.95*	
		For >500, Deduct	*-59.87*	
26 51 19 00-0143	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	454.30	41.22
		For >50 To 100, Deduct	*-12.90*	
		For >100 To 250, Deduct	*-24.26*	
		For >250 To 500, Deduct	*-45.43*	
		For >500, Deduct	*-66.60*	
26 51 19 00-0144	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	384.78	41.22
		For >50 To 100, Deduct	*-11.17*	
		For >100 To 250, Deduct	*-20.78*	
		For >250 To 500, Deduct	*-38.48*	
		For >500, Deduct	*-56.17*	
26 51 19 00-0145	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	384.78	41.22
		For >50 To 100, Deduct	*-11.17*	
		For >100 To 250, Deduct	*-20.78*	
		For >250 To 500, Deduct	*-38.48*	
		For >500, Deduct	*-56.17*	
26 51 19 00-0146	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	413.93	41.22
		For >50 To 100, Deduct	*-11.89*	
		For >100 To 250, Deduct	*-22.24*	
		For >250 To 500, Deduct	*-41.39*	
		For >500, Deduct	*-60.54*	
26 51 19 00-0147		Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0131)*		
26 51 19 00-0148		Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0147)*		
26 51 19 00-0149	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	507.39	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
		For >50 To 100, Deduct	*-14.10*	
		For >100 To 250, Deduct	*-26.79*	
		For >250 To 500, Deduct	*-50.74*	
		For >500, Deduct	*-74.69*	
26 51 19 00-0150	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	625.59	37.41
		For Drywall Or Plaster Ceilings, Add	*25.51*	
		For >50 To 100, Deduct	*-17.06*	
		For >100 To 250, Deduct	*-32.70*	
		For >250 To 500, Deduct	*-62.56*	
		For >500, Deduct	*-92.42*	
26 51 19 00-0151	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	487.13	41.22
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*39.81*	
		For >50 To 100, Deduct	*-13.72*	
		For >100 To 250, Deduct	*-25.90*	
		For >250 To 500, Deduct	*-48.71*	
		For >500, Deduct	*-71.52*	
26 51 19 00-0152	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	558.93	41.22
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*43.40*	
		For >50 To 100, Deduct	*-15.52*	
		For >100 To 250, Deduct	*-29.49*	
		For >250 To 500, Deduct	*-55.89*	
		For >500, Deduct	*-82.29*	
26 51 19 00-0153	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	616.37	41.22
		For >50 To 100, Deduct	*-16.96*	
		For >100 To 250, Deduct	*-32.36*	
		For >250 To 500, Deduct	*-61.64*	
		For >500, Deduct	*-90.91*	
26 51 19 00-0154	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	626.68	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.37*	
		For >50 To 100, Deduct	*-17.47*	
		For >100 To 250, Deduct	*-33.14*	
		For >250 To 500, Deduct	*-62.67*	
		For >500, Deduct	*-92.20*	
26 51 19 00-0155	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	684.12	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*52.24*	
		For >50 To 100, Deduct	*-18.91*	
		For >100 To 250, Deduct	*-36.01*	
		For >250 To 500, Deduct	*-68.41*	
		For >500, Deduct	*-100.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0156	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	741.56	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*55.11*	
		For >50 To 100, Deduct	*-20.34*	
		For >100 To 250, Deduct	*-38.88*	
		For >250 To 500, Deduct	*-74.16*	
		For >500, Deduct	*-109.43*	
26 51 19 00-0157	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	429.70	41.22
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*36.94*	
		For >50 To 100, Deduct	*-12.29*	
		For >100 To 250, Deduct	*-23.03*	
		For >250 To 500, Deduct	*-42.97*	
		For >500, Deduct	*-62.91*	
26 51 19 00-0158	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	501.49	41.22
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*40.53*	
		For >50 To 100, Deduct	*-14.08*	
		For >100 To 250, Deduct	*-26.62*	
		For >250 To 500, Deduct	*-50.15*	
		For >500, Deduct	*-73.68*	
26 51 19 00-0159	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	544.56	41.22
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*42.69*	
		For >50 To 100, Deduct	*-15.16*	
		For >100 To 250, Deduct	*-28.77*	
		For >250 To 500, Deduct	*-54.46*	
		For >500, Deduct	*-80.14*	
26 51 19 00-0160	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	540.53	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.06*	
		For >50 To 100, Deduct	*-15.32*	
		For >100 To 250, Deduct	*-28.83*	
		For >250 To 500, Deduct	*-54.05*	
		For >500, Deduct	*-79.28*	
26 51 19 00-0161	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	569.24	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.50*	
		For >50 To 100, Deduct	*-16.03*	
		For >100 To 250, Deduct	*-30.27*	
		For >250 To 500, Deduct	*-56.92*	
		For >500, Deduct	*-83.58*	
26 51 19 00-0162	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	626.68	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*49.37*	
		For >50 To 100, Deduct	*-17.47*	
		For >100 To 250, Deduct	*-33.14*	
		For >250 To 500, Deduct	*-62.67*	
		For >500, Deduct	*-92.20*	

26 51 19 00-0163 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0131)*

26 51 19 00-0164 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0163)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0165	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	415.29	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*38.80*	
		For >50 To 100, Deduct	*-12.19*	
		For >100 To 250, Deduct	*-22.57*	
		For >250 To 500, Deduct	*-41.53*	
		For >500, Deduct	*-60.49*	
26 51 19 00-0166	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	489.02	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*42.49*	
		For >50 To 100, Deduct	*-14.03*	
		For >100 To 250, Deduct	*-26.25*	
		For >250 To 500, Deduct	*-48.90*	
		For >500, Deduct	*-71.55*	
26 51 19 00-0167	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	555.38	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.80*	
		For >50 To 100, Deduct	*-15.69*	
		For >100 To 250, Deduct	*-29.57*	
		For >250 To 500, Deduct	*-55.54*	
		For >500, Deduct	*-81.50*	

26 51 19 00-0168 Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0163)*

Note: Includes 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0169	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-22L-40K-S)	421.79	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-12.35*	
		For >100 To 250, Deduct	*-22.89*	
		For >250 To 500, Deduct	*-42.18*	
		For >500, Deduct	*-61.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0170	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-31L-30/50K-S)	454.78	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-13.17*	
		For >100 To 250, Deduct	*-24.54*	
		For >250 To 500, Deduct	*-45.48*	
		For >500, Deduct	*-66.41*	
26 51 19 00-0171	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40L-30/50K-S)	454.78	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-13.17*	
		For >100 To 250, Deduct	*-24.54*	
		For >250 To 500, Deduct	*-45.48*	
		For >500, Deduct	*-66.41*	
26 51 19 00-0172	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-50L-30/50K-S)	503.46	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-14.39*	
		For >100 To 250, Deduct	*-26.98*	
		For >250 To 500, Deduct	*-50.35*	
		For >500, Deduct	*-73.72*	
26 51 19 00-0173	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-31L-35K-S)	401.96	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.90*	
		For >250 To 500, Deduct	*-40.20*	
		For >500, Deduct	*-58.49*	
26 51 19 00-0174	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40L-35K-S)	401.96	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.90*	
		For >250 To 500, Deduct	*-40.20*	
		For >500, Deduct	*-58.49*	
26 51 19 00-0175	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-50L-35K-S)	452.22	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-13.11*	
		For >100 To 250, Deduct	*-24.41*	
		For >250 To 500, Deduct	*-45.22*	
		For >500, Deduct	*-66.03*	
26 51 19 00-0176	EA	2' x 2', 2,000 Lumens, 3000K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	387.09	41.22
		For >50 To 100, Deduct	*-11.22*	
		For >100 To 250, Deduct	*-20.90*	
		For >250 To 500, Deduct	*-38.71*	
		For >500, Deduct	*-56.52*	
26 51 19 00-0177	EA	2' x 2', 2,000 Lumens, 3500K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	387.09	41.22
		For >50 To 100, Deduct	*-11.22*	
		For >100 To 250, Deduct	*-20.90*	
		For >250 To 500, Deduct	*-38.71*	
		For >500, Deduct	*-56.52*	
26 51 19 00-0178	EA	2' x 2', 2,000 Lumens, 4000K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	387.09	41.22
		For >50 To 100, Deduct	*-11.22*	
		For >100 To 250, Deduct	*-20.90*	
		For >250 To 500, Deduct	*-38.71*	
		For >500, Deduct	*-56.52*	
26 51 19 00-0179	EA	2' x 2', 2,000 Lumens, 5000K CCT, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22™)	387.09	41.22
		For >50 To 100, Deduct	*-11.22*	
		For >100 To 250, Deduct	*-20.90*	
		For >250 To 500, Deduct	*-38.71*	
		For >500, Deduct	*-56.52*	
26 51 19 00-0180	EA	2' x 2', 2,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-20L-30/50K-S) Note: CCT 30K to 50K	392.82	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-11.37*	
		For >100 To 250, Deduct	*-21.19*	
		For >250 To 500, Deduct	*-39.28*	
		For >500, Deduct	*-57.38*	
26 51 19 00-0181	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-32L-35/40K-S) Note: CCT 30K to 50K	370.65	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-10.81*	
		For >100 To 250, Deduct	*-20.08*	
		For >250 To 500, Deduct	*-37.07*	
		For >500, Deduct	*-54.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0182	EA	2' x 2', 2,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-20L-35K-S)	338.99	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-10.02*	
		For >100 To 250, Deduct	*-18.50*	
		For >250 To 500, Deduct	*-33.90*	
		For >500, Deduct	*-49.30*	
26 51 19 00-0183	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (CREE® CR22-32L-30K-S)	371.24	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-10.83*	
		For >100 To 250, Deduct	*-20.11*	
		For >250 To 500, Deduct	*-37.12*	
		For >500, Deduct	*-54.14*	
26 51 19 00-0184	EA	2' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-22L-35/40K-S) Note: CCT 30K to 50K	440.09	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-12.81*	
		For >100 To 250, Deduct	*-23.81*	
		For >250 To 500, Deduct	*-44.01*	
		For >500, Deduct	*-64.21*	
26 51 19 00-0185	EA	2' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-31L-30/50K-S) Note: CCT 30K to 50K	454.78	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-13.17*	
		For >100 To 250, Deduct	*-24.54*	
		For >250 To 500, Deduct	*-45.48*	
		For >500, Deduct	*-66.41*	
26 51 19 00-0186	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40L-30/50K-S) Note: CCT 30K to 50K	454.78	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-13.17*	
		For >100 To 250, Deduct	*-24.54*	
		For >250 To 500, Deduct	*-45.48*	
		For >500, Deduct	*-66.41*	
26 51 19 00-0187	EA	2' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-31L-35K-S)	421.36	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-12.34*	
		For >100 To 250, Deduct	*-22.87*	
		For >250 To 500, Deduct	*-42.14*	
		For >500, Deduct	*-61.40*	
26 51 19 00-0188	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40L-35K-S)	401.96	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.90*	
		For >250 To 500, Deduct	*-40.20*	
		For >500, Deduct	*-58.49*	
26 51 19 00-0189	EA	2' x 4', 4,000 Lumens, High Efficiency, Architectural, Lay-In/Troffer LED Fixture (CREE® CR24-40LHE-35/40K-S) Note: CCT 30K to 50K	578.85	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-16.27*	
		For >100 To 250, Deduct	*-30.75*	
		For >250 To 500, Deduct	*-57.89*	
		For >500, Deduct	*-85.02*	
26 51 19 00-0190	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-50L-30/50K-S) Note: CCT 30K to 50K	503.46	48.02
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-14.39*	
		For >100 To 250, Deduct	*-26.98*	
		For >250 To 500, Deduct	*-50.35*	
		For >500, Deduct	*-73.72*	
26 51 19 00-0191	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-50L-35K-S)	473.10	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-13.63*	
		For >100 To 250, Deduct	*-25.46*	
		For >250 To 500, Deduct	*-47.31*	
		For >500, Deduct	*-69.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0192	EA	1' x 4', 4,000 Lumens, Architectural, High Efficacy, Lay-In/Troffer LED Fixture (Cree® CR14-40LHE-30K-S)	634.11	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-17.66*	
		For >100 To 250, Deduct	*-33.51*	
		For >250 To 500, Deduct	*-63.41*	
		For >500, Deduct	*-93.31*	
26 51 19 00-0193	EA	1' x 4', 4,000 Lumens, Architectural, High Efficacy, Lay-In/Troffer LED Fixture (Cree® CR14-40LHE-35K-S)	578.85	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-16.27*	
		For >100 To 250, Deduct	*-30.75*	
		For >250 To 500, Deduct	*-57.89*	
		For >500, Deduct	*-85.02*	
26 51 19 00-0194	EA	2' x 4', 4,000 Lumens, Architectural, High Efficiency, Lay-In/Troffer LED Fixture (CREE® CR24-40LHE-30K-S)	607.99	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-17.00*	
		For >100 To 250, Deduct	*-32.20*	
		For >250 To 500, Deduct	*-60.80*	
		For >500, Deduct	*-89.40*	
26 51 19 00-0195	EA	1' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR14-40L-30K-S-HD)	402.95	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-11.88*	
		For >100 To 250, Deduct	*-21.95*	
		For >250 To 500, Deduct	*-40.30*	
		For >500, Deduct	*-58.64*	
26 51 19 00-0196	EA	1' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR14-40L-35K-S-HD)	376.25	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-11.21*	
		For >100 To 250, Deduct	*-20.62*	
		For >250 To 500, Deduct	*-37.63*	
		For >500, Deduct	*-54.63*	
26 51 19 00-0197	EA	2' x 2', 3,200 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR22-32L-30K-S-HD)	367.51	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-10.73*	
		For >100 To 250, Deduct	*-19.92*	
		For >250 To 500, Deduct	*-36.75*	
		For >500, Deduct	*-53.58*	
26 51 19 00-0198	EA	2' x 2', 3,200 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR22-32L-35K-S-HD)	342.38	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-10.11*	
		For >100 To 250, Deduct	*-18.66*	
		For >250 To 500, Deduct	*-34.24*	
		For >500, Deduct	*-49.81*	
26 51 19 00-0199	EA	2' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR24-40L-30K-S-HD)	402.95	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-11.88*	
		For >100 To 250, Deduct	*-21.95*	
		For >250 To 500, Deduct	*-40.30*	
		For >500, Deduct	*-58.64*	
26 51 19 00-0200	EA	2' x 4', 4,000 Lumens, Architectural, HD, Lay-In/Troffer LED Fixture (Cree® CR24-40L-35K-S-HD)	376.25	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-11.21*	
		For >100 To 250, Deduct	*-20.62*	
		For >250 To 500, Deduct	*-37.63*	
		For >500, Deduct	*-54.63*	
26 51 19 00-0201	EA	1' x 4', 4,000 Lumens, Adjustable CCT, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40L-ACK-CMA)	495.27	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-14.19*	
		For >100 To 250, Deduct	*-26.57*	
		For >250 To 500, Deduct	*-49.53*	
		For >500, Deduct	*-72.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0202	EA	1' x 4', 4,000 Lumens, High Efficacy, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14-40LHE-30K-CMA)	579.44	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*224.89*	
		For >50 To 100, Deduct	*-16.29*	
		For >100 To 250, Deduct	*-30.78*	
		For >250 To 500, Deduct	*-57.94*	
		For >500, Deduct	*-85.11*	
26 51 19 00-0203	EA	2' x 2', 3,200 Lumens, Adjustable CCT, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR22-32L-ACK-CMA)	435.08	41.22
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*211.83*	
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-23.30*	
		For >250 To 500, Deduct	*-43.51*	
		For >500, Deduct	*-63.72*	
26 51 19 00-0204	EA	2' x 4', 4,000 Lumens, Adjustable CCT, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40L-ACK-CMA)	495.27	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-14.19*	
		For >100 To 250, Deduct	*-26.57*	
		For >250 To 500, Deduct	*-49.53*	
		For >500, Deduct	*-72.49*	
26 51 19 00-0205	EA	2' x 4', 4,000 Lumens, High Efficacy, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® CR24-40LHE-30K-CMA)	579.44	48.43
		For Expanded Size Junction Box For Through Wiring, Add	*4.40*	
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*245.31*	
		For >50 To 100, Deduct	*-16.29*	
		For >100 To 250, Deduct	*-30.78*	
		For >250 To 500, Deduct	*-57.94*	
		For >500, Deduct	*-85.11*	

26 51 19 00-0206 Architectural, Lay-In/Troffer LED Fixtures (CREE® ZR Series) *(26 51 19 00-0163)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.

26 51 19 00-0207	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-10V)	273.55	48.43
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*171.49*	
		For >50 To 100, Deduct	*-8.64*	
		For >100 To 250, Deduct	*-15.48*	
		For >250 To 500, Deduct	*-27.36*	
		For >500, Deduct	*-39.23*	
26 51 19 00-0208	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-40L-35K-10V)	244.76	41.22
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*160.19*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 250, Deduct	*-13.78*	
		For >250 To 500, Deduct	*-24.48*	
		For >500, Deduct	*-35.17*	
26 51 19 00-0209	EA	2' x 2', 3,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32LHE-35K-10V)	799.08	41.22
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*160.19*	
		For >50 To 100, Deduct	*-21.52*	
		For >100 To 250, Deduct	*-41.50*	
		For >250 To 500, Deduct	*-79.91*	
		For >500, Deduct	*-118.32*	
26 51 19 00-0210	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-10V)	282.79	48.43
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*189.96*	
		For >50 To 100, Deduct	*-8.87*	
		For >100 To 250, Deduct	*-15.94*	
		For >250 To 500, Deduct	*-28.28*	
		For >500, Deduct	*-40.62*	
26 51 19 00-0211	EA	2' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-32LHE-35K-10V)	994.17	48.43
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*189.96*	
		For >50 To 100, Deduct	*-26.66*	
		For >100 To 250, Deduct	*-51.51*	
		For >250 To 500, Deduct	*-99.42*	
		For >500, Deduct	*-147.32*	
26 51 19 00-0212	EA	2' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-50L-40K-10V-FD)	303.11	48.43
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*189.96*	
		For >50 To 100, Deduct	*-9.38*	
		For >100 To 250, Deduct	*-16.96*	
		For >250 To 500, Deduct	*-30.31*	
		For >500, Deduct	*-43.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0213	EA	1' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR14-40L-35K-CMA)	347.45	48.43
		For Drywall Or Plaster Ceilings, Add	*131.82*	
		For Surface Mount, Add	*171.49*	
		For >50 To 100, Deduct	*-10.49*	
		For >100 To 250, Deduct	*-19.18*	
		For >250 To 500, Deduct	*-34.75*	
		For >500, Deduct	*-50.31*	
26 51 19 00-0214	EA	2' x 2', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR22-32L-35K-CMA)	318.67	41.22
		For Drywall Or Plaster Ceilings, Add	*115.23*	
		For Surface Mount, Add	*160.19*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 250, Deduct	*-17.48*	
		For >250 To 500, Deduct	*-31.87*	
		For >500, Deduct	*-46.25*	
26 51 19 00-0215	EA	2' x 4', 4,000 Lumens, Smartcast Technology, Architectural, Lay-In/Troffer LED Fixture (Cree® ZR24-40L-35K-CMA)	356.70	48.43
		For Drywall Or Plaster Ceilings, Add	*134.96*	
		For Surface Mount, Add	*189.96*	
		For >50 To 100, Deduct	*-10.72*	
		For >100 To 250, Deduct	*-19.64*	
		For >250 To 500, Deduct	*-35.67*	
		For >500, Deduct	*-51.70*	

26 51 19 00-0216 Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0163)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0217	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	298.05	41.22
		For >50 To 100, Deduct	*-9.00*	
		For >100 To 250, Deduct	*-16.45*	
		For >250 To 500, Deduct	*-29.81*	
		For >500, Deduct	*-43.16*	
26 51 19 00-0218	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	397.49	48.02
		For >50 To 100, Deduct	*-11.74*	
		For >100 To 250, Deduct	*-21.68*	
		For >250 To 500, Deduct	*-39.75*	
		For >500, Deduct	*-57.82*	

26 51 19 00-0219 Architectural, Lay-In/Troffer LED Fixtures (Orion) *(26 51 19 00-0163)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0220	EA	2' x 2', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-22-1P-CT-M-LF)	334.59	41.22
		For >50 To 100, Deduct	*-9.91*	
		For >100 To 250, Deduct	*-18.28*	
		For >250 To 500, Deduct	*-33.46*	
		For >500, Deduct	*-48.64*	
26 51 19 00-0221	EA	2' x 2', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-22-1P-CT-M-LF)	347.10	41.22
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 250, Deduct	*-18.90*	
		For >250 To 500, Deduct	*-34.71*	
		For >500, Deduct	*-50.52*	
26 51 19 00-0222	EA	2' x 4', 3,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-035L-L-UNV-FDX-840-24-1P-CT-M-LF)	361.16	48.43
		For >50 To 100, Deduct	*-10.83*	
		For >100 To 250, Deduct	*-19.86*	
		For >250 To 500, Deduct	*-36.12*	
		For >500, Deduct	*-52.37*	
26 51 19 00-0223	EA	2' x 4', 4,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Orion OLRL-041L-L-UNV-FDX-840-24-1P-CT-M-LF)	373.67	48.43
		For >50 To 100, Deduct	*-11.15*	
		For >100 To 250, Deduct	*-20.49*	
		For >250 To 500, Deduct	*-37.37*	
		For >500, Deduct	*-54.25*	

26 51 19 00-0224 Architectural, Lay-In/Troffer LED Fixtures (Everlast) *(26 51 19 00-0163)*

Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.

26 51 19 00-0225	EA	2' x 2', 4,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	449.82	41.22
		For >50 To 100, Deduct	*-12.79*	
		For >100 To 250, Deduct	*-24.04*	
		For >250 To 500, Deduct	*-44.98*	
		For >500, Deduct	*-65.93*	
26 51 19 00-0226	EA	2' x 4', 10,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Everlast EL-LED-MQ)	756.16	48.43
		For >50 To 100, Deduct	*-20.71*	
		For >100 To 250, Deduct	*-39.61*	
		For >250 To 500, Deduct	*-75.62*	
		For >500, Deduct	*-111.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0227		**Architectural, Lay-In/Troffer LED Fixtures (Finelite)** *(26 51 19 00-0163)* Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0228	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	410.06	41.22
		For >50 To 100, Deduct	*-11.80*	
		For >100 To 250, Deduct	*-22.05*	
		For >250 To 500, Deduct	*-41.01*	
		For >500, Deduct	*-59.96*	
26 51 19 00-0229	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	557.99	48.43
		For >50 To 100, Deduct	*-15.75*	
		For >100 To 250, Deduct	*-29.70*	
		For >250 To 500, Deduct	*-55.80*	
		For >500, Deduct	*-81.90*	
26 51 19 00-0230		**Shadow Box Style, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0131)*		
26 51 19 00-0231		**Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL)** *(26 51 19 00-0230)*		
26 51 19 00-0232	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	657.82	41.22
		For Drywall Or Plaster Ceilings, Add	*27.82*	
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 250, Deduct	*-34.44*	
		For >250 To 500, Deduct	*-65.78*	
		For >500, Deduct	*-97.13*	
26 51 19 00-0233	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	899.65	48.02
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*63.02*	
		For >50 To 100, Deduct	*-24.29*	
		For >100 To 250, Deduct	*-46.79*	
		For >250 To 500, Deduct	*-89.97*	
		For >500, Deduct	*-133.14*	
26 51 19 00-0234		**Panel Type, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0131)*		
26 51 19 00-0235		**Panel Type, Lay-In/Troffer LED Fixtures (CREE® FP Series)** *(26 51 19 00-0234)*		
26 51 19 00-0236	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP14-40L-35K-10V)	298.30	48.43
		For >50 To 100, Deduct	*-9.26*	
		For >100 To 250, Deduct	*-16.72*	
		For >250 To 500, Deduct	*-29.83*	
		For >500, Deduct	*-42.94*	
26 51 19 00-0237	EA	4,000 Lumens, 1' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP14-40L-35K-10V-EB14)	763.20	48.43
		For >50 To 100, Deduct	*-20.88*	
		For >100 To 250, Deduct	*-39.96*	
		For >250 To 500, Deduct	*-76.32*	
		For >500, Deduct	*-112.68*	
26 51 19 00-0238	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-34L-35K-10V)	226.74	41.22
		For >50 To 100, Deduct	*-7.21*	
		For >100 To 250, Deduct	*-12.88*	
		For >250 To 500, Deduct	*-22.67*	
		For >500, Deduct	*-32.47*	
26 51 19 00-0239	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP22-50L-35K-10V)	261.29	41.22
		For >50 To 100, Deduct	*-8.08*	
		For >100 To 250, Deduct	*-14.61*	
		For >250 To 500, Deduct	*-26.13*	
		For >500, Deduct	*-37.65*	
26 51 19 00-0240	EA	3,400 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-34L-35K-10V-EB14)	698.52	48.43
		For >50 To 100, Deduct	*-19.27*	
		For >100 To 250, Deduct	*-36.73*	
		For >250 To 500, Deduct	*-69.85*	
		For >500, Deduct	*-102.97*	
26 51 19 00-0241	EA	5,000 Lumens, 2' x 2', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP22-50L-35K-10V-EB14)	735.48	48.43
		For >50 To 100, Deduct	*-20.19*	
		For >100 To 250, Deduct	*-38.58*	
		For >250 To 500, Deduct	*-73.55*	
		For >500, Deduct	*-108.52*	
26 51 19 00-0242	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-40L-35K-10V)	315.58	48.43
		For >50 To 100, Deduct	*-9.69*	
		For >100 To 250, Deduct	*-17.58*	
		For >250 To 500, Deduct	*-31.56*	
		For >500, Deduct	*-45.53*	
26 51 19 00-0243	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture (Cree® FP24-50L-35K-10V)	343.85	48.43
		For >50 To 100, Deduct	*-10.40*	
		For >100 To 250, Deduct	*-19.00*	
		For >250 To 500, Deduct	*-34.39*	
		For >500, Deduct	*-49.77*	
26 51 19 00-0244	EA	4,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-40L-35K-10V-EB14)	781.67	48.43
		For >50 To 100, Deduct	*-21.35*	
		For >100 To 250, Deduct	*-40.89*	
		For >250 To 500, Deduct	*-78.17*	
		For >500, Deduct	*-115.45*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0245	EA	5,000 Lumens, 2' x 4', Panel Type, Lay-In/Troffer LED Fixture, 1,400 Lumens Emergency Backup (Cree® FP24-50L-35K-10V-EB14)	811.24	48.43
		For >50 To 100, Deduct	*-22.08*	
		For >100 To 250, Deduct	*-42.37*	
		For >250 To 500, Deduct	*-81.12*	
		For >500, Deduct	*-119.88*	

26 51 19 00-0246 Panel Type, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0234)*

26 51 19 00-0247	EA	2' x 4', 4000/5000/6000 Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 35K M2)	271.22	48.02
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-27.12*	
		For >500, Deduct	*-38.88*	
26 51 19 00-0248	EA	2' x 4', 4000/5000/6000 Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X4 40/50/60LM 40K M2)	271.22	48.02
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-27.12*	
		For >500, Deduct	*-38.88*	
26 51 19 00-0249	EA	2' x 2', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 35K M4)	216.85	48.02
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 250, Deduct	*-12.65*	
		For >250 To 500, Deduct	*-21.69*	
		For >500, Deduct	*-30.72*	
26 51 19 00-0250	EA	2' x 2', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 2X2 24/33/44LM 40K M4)	216.85	48.02
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 250, Deduct	*-12.65*	
		For >250 To 500, Deduct	*-21.69*	
		For >500, Deduct	*-30.72*	
26 51 19 00-0251	EA	1' x 4', 2400/3300/4000/Lumens, 3500K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 35K M4)	240.68	48.02
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-13.84*	
		For >250 To 500, Deduct	*-24.07*	
		For >500, Deduct	*-34.30*	
26 51 19 00-0252	EA	1' x 4', 2400/3300/4000/Lumens, 4000K CCT, LED Switchable Flat Panel Troffer (Lithonia Lighting CPANL 1X4 24/33/44LM 40K M4)	240.68	48.02
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-13.84*	
		For >250 To 500, Deduct	*-24.07*	
		For >500, Deduct	*-34.30*	

26 51 19 00-0253 Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0234)*

26 51 19 00-0254	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	443.90	48.02
		For >50 To 100, Deduct	*-12.90*	
		For >100 To 250, Deduct	*-24.00*	
		For >250 To 500, Deduct	*-44.39*	
		For >500, Deduct	*-64.78*	
26 51 19 00-0255	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	461.71	48.02
		For >50 To 100, Deduct	*-13.35*	
		For >100 To 250, Deduct	*-24.89*	
		For >250 To 500, Deduct	*-46.17*	
		For >500, Deduct	*-67.45*	
26 51 19 00-0256	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	579.69	48.02
		For >50 To 100, Deduct	*-16.30*	
		For >100 To 250, Deduct	*-30.79*	
		For >250 To 500, Deduct	*-57.97*	
		For >500, Deduct	*-85.15*	
26 51 19 00-0257	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	579.69	48.02
		For >50 To 100, Deduct	*-16.30*	
		For >100 To 250, Deduct	*-30.79*	
		For >250 To 500, Deduct	*-57.97*	
		For >500, Deduct	*-85.15*	

26 51 19 00-0258 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0234)*

26 51 19 00-0259	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	228.61	48.02
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*58.45*	
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 250, Deduct	*-13.23*	
		For >250 To 500, Deduct	*-22.86*	
		For >500, Deduct	*-32.49*	
26 51 19 00-0260	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	236.23	48.02
		For >50 To 100, Deduct	*-7.71*	
		For >100 To 250, Deduct	*-13.62*	
		For >250 To 500, Deduct	*-23.62*	
		For >500, Deduct	*-33.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0261	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	239.72	48.02
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*73.06*	
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-13.79*	
		For >250 To 500, Deduct	*-23.97*	
		For >500, Deduct	*-34.15*	
26 51 19 00-0262	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	569.00	48.02
		For >50 To 100, Deduct	*-16.03*	
		For >100 To 250, Deduct	*-30.25*	
		For >250 To 500, Deduct	*-56.90*	
		For >500, Deduct	*-83.55*	
26 51 19 00-0263		Lay-In/Troffer LED Fixtures (LG LGE Series) *(26 51 19 00-0131)*		
26 51 19 00-0264	EA	26 Watt, 3500K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-26-35-3400-TB)	292.38	48.02
		For >50 To 100, Deduct	*-9.11*	
		For >100 To 250, Deduct	*-16.42*	
		For >250 To 500, Deduct	*-29.24*	
		For >500, Deduct	*-42.05*	
26 51 19 00-0265	EA	26 Watt, 4000K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-26-40-3400-TB)	292.38	48.02
		For >50 To 100, Deduct	*-9.11*	
		For >100 To 250, Deduct	*-16.42*	
		For >250 To 500, Deduct	*-29.24*	
		For >500, Deduct	*-42.05*	
26 51 19 00-0266	EA	34 Watt, 3500K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-34-35-4400-TB)	321.96	48.02
		For >50 To 100, Deduct	*-9.85*	
		For >100 To 250, Deduct	*-17.90*	
		For >250 To 500, Deduct	*-32.20*	
		For >500, Deduct	*-46.49*	
26 51 19 00-0267	EA	34 Watt, 4000K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-34-40-4500-TB)	321.96	48.02
		For >50 To 100, Deduct	*-9.85*	
		For >100 To 250, Deduct	*-17.90*	
		For >250 To 500, Deduct	*-32.20*	
		For >500, Deduct	*-46.49*	
26 51 19 00-0268	EA	48 Watt, 3500K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-48-35-5800-TB)	337.26	48.02
		For >50 To 100, Deduct	*-10.24*	
		For >100 To 250, Deduct	*-18.67*	
		For >250 To 500, Deduct	*-33.73*	
		For >500, Deduct	*-48.79*	
26 51 19 00-0269	EA	48 Watt, 4000K CCT, 2' x 4', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X4RT-48-40-6000-TB)	337.26	48.02
		For >50 To 100, Deduct	*-10.24*	
		For >100 To 250, Deduct	*-18.67*	
		For >250 To 500, Deduct	*-33.73*	
		For >500, Deduct	*-48.79*	
26 51 19 00-0270	EA	18 Watt, 3500K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-18-35-2350-TB)	276.07	48.02
		For >50 To 100, Deduct	*-8.71*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-27.61*	
		For >500, Deduct	*-39.61*	
26 51 19 00-0271	EA	18 Watt, 4000K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-18-40-2400-TB)	276.07	48.02
		For >50 To 100, Deduct	*-8.71*	
		For >100 To 250, Deduct	*-15.61*	
		For >250 To 500, Deduct	*-27.61*	
		For >500, Deduct	*-39.61*	
26 51 19 00-0272	EA	32 Watt, 3500K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-32-35-3400-TB)	296.47	48.02
		For >50 To 100, Deduct	*-9.22*	
		For >100 To 250, Deduct	*-16.63*	
		For >250 To 500, Deduct	*-29.65*	
		For >500, Deduct	*-42.67*	
26 51 19 00-0273	EA	32 Watt, 4000K CCT, 2' x 2', T-Bar Lay-In Troffer LED Fixture (LG LGE-2X2RT-32-40-3400-TB)	296.47	48.02
		For >50 To 100, Deduct	*-9.22*	
		For >100 To 250, Deduct	*-16.63*	
		For >250 To 500, Deduct	*-29.65*	
		For >500, Deduct	*-42.67*	
26 51 19 00-0274	EA	34 Watt, 3500K CCT, 2' x 4', Recessed LED Troffer (LG LGE-2X4RT-34-35-4400-TB)	321.96	48.02
		For >50 To 100, Deduct	*-9.85*	
		For >100 To 250, Deduct	*-17.90*	
		For >250 To 500, Deduct	*-32.20*	
		For >500, Deduct	*-46.49*	
26 51 19 00-0275	EA	34 Watt, 4000K CCT, 2' x 4', Recessed LED Troffer (LG LGE-2X4RT-34-40-4500-TB)	321.96	48.02
		For >50 To 100, Deduct	*-9.85*	
		For >100 To 250, Deduct	*-17.90*	
		For >250 To 500, Deduct	*-32.20*	
		For >500, Deduct	*-46.49*	
26 51 19 00-0276	EA	40 Watt, 3500K CCT, 1' x 4', Simple Choice Troffer LED Fixture (LG LGE-1X4SI-40-35-4000-TB)	194.50	48.02
		For >50 To 100, Deduct	*-6.67*	
		For >100 To 250, Deduct	*-11.53*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.37*	
26 51 19 00-0277	EA	40 Watt, 4000K CCT, 1' x 4', Simple Choice Troffer LED Fixture (LG LGE-1X4SI-40-40-4000-TB)	194.50	48.02
		For >50 To 100, Deduct	*-6.67*	
		For >100 To 250, Deduct	*-11.53*	
		For >250 To 500, Deduct	*-19.45*	
		For >500, Deduct	*-27.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0278	EA	31 Watt, 3500K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-31-35-4000-TB)	232.22	48.02
		For >50 To 100, Deduct	*-7.61*	
		For >100 To 250, Deduct	*-13.41*	
		For >250 To 500, Deduct	*-23.22*	
		For >500, Deduct	*-33.03*	
26 51 19 00-0279	EA	31 Watt, 4000K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-31-40-4000-TB)	232.22	48.02
		For >50 To 100, Deduct	*-7.61*	
		For >100 To 250, Deduct	*-13.41*	
		For >250 To 500, Deduct	*-23.22*	
		For >500, Deduct	*-33.03*	
26 51 19 00-0280	EA	40 Watt, 3500K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-40-35-4000-TB)	240.28	48.02
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-24.03*	
		For >500, Deduct	*-34.24*	
26 51 19 00-0281	EA	40 Watt, 4000K CCT, 2' x 4', Simple Choice Troffer LED Fixture (LG LGE-2X4SI-40-40-4000-TB)	240.38	48.02
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-24.04*	
		For >500, Deduct	*-34.25*	
26 51 19 00-0282	EA	25 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-25-35-3200-TB)	197.45	48.02
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-27.81*	
26 51 19 00-0283	EA	25 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-25-40-3200-TB)	197.45	48.02
		For >50 To 100, Deduct	*-6.74*	
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 500, Deduct	*-19.75*	
		For >500, Deduct	*-27.81*	
26 51 19 00-0284	EA	32 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-32-35-3200-TB)	173.08	48.02
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 250, Deduct	*-10.46*	
		For >250 To 500, Deduct	*-17.31*	
		For >500, Deduct	*-24.16*	
26 51 19 00-0285	EA	32 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture (LG LGE-2X2SI-32-40-3200-TB)	173.08	48.02
		For >50 To 100, Deduct	*-6.13*	
		For >100 To 250, Deduct	*-10.46*	
		For >250 To 500, Deduct	*-17.31*	
		For >500, Deduct	*-24.16*	
26 51 19 00-0286	EA	31 Watt, 3500K CCT, 2' x 4', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X4SC-31-35-4000-TB)	283.21	48.02
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 250, Deduct	*-15.96*	
		For >250 To 500, Deduct	*-28.32*	
		For >500, Deduct	*-40.68*	
26 51 19 00-0287	EA	31 Watt, 4000K CCT, 2' x 4', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X4SC-31-40-4000-TB)	283.21	48.02
		For >50 To 100, Deduct	*-8.88*	
		For >100 To 250, Deduct	*-15.96*	
		For >250 To 500, Deduct	*-28.32*	
		For >500, Deduct	*-40.68*	
26 51 19 00-0288	EA	25 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-25-35-3200-TB)	255.69	48.02
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 250, Deduct	*-14.59*	
		For >250 To 500, Deduct	*-25.57*	
		For >500, Deduct	*-36.55*	
26 51 19 00-0289	EA	25 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-25-40-3200-TB)	255.69	48.02
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 250, Deduct	*-14.59*	
		For >250 To 500, Deduct	*-25.57*	
		For >500, Deduct	*-36.55*	
26 51 19 00-0290	EA	32 Watt, 3500K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-32-35-3200-TB)	231.21	48.02
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 250, Deduct	*-13.36*	
		For >250 To 500, Deduct	*-23.12*	
		For >500, Deduct	*-32.88*	
26 51 19 00-0291	EA	32 Watt, 4000K CCT, 2' x 2', Simple Choice Troffer LED Fixture With Sensor Connect (LG LGE-2X2SC-32-40-3200-TB)	231.21	48.02
		For >50 To 100, Deduct	*-7.58*	
		For >100 To 250, Deduct	*-13.36*	
		For >250 To 500, Deduct	*-23.12*	
		For >500, Deduct	*-32.88*	
26 51 19 00-0292	EA	32 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-32-35-3200-TB) Note: No sensor, ZigBee ready driver	141.48	36.07
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.88*	
		For >250 To 500, Deduct	*-14.15*	
		For >500, Deduct	*-19.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0293	EA	32 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-32-40-3200-TB)	141.48	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-5.34*	
		For >100 To 250, Deduct	*-8.88*	
		For >250 To 500, Deduct	*-14.15*	
		For >500, Deduct	*-19.42*	
26 51 19 00-0294	EA	25 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-25-35-3200-TB)	155.76	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-9.59*	
		For >250 To 500, Deduct	*-15.58*	
		For >500, Deduct	*-21.56*	
26 51 19 00-0295	EA	25 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer (LG LGE-2X2SI-25-40-3200-TB)	155.76	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-9.59*	
		For >250 To 500, Deduct	*-15.58*	
		For >500, Deduct	*-21.56*	
26 51 19 00-0296	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-40-35-4000-TB)	159.83	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.98*	
		For >500, Deduct	*-22.17*	
26 51 19 00-0297	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-40-40-4000-TB)	159.83	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-9.80*	
		For >250 To 500, Deduct	*-15.98*	
		For >500, Deduct	*-22.17*	
26 51 19 00-0298	EA	31 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-31-35-4000-TB)	175.13	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.18*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.51*	
		For >500, Deduct	*-24.47*	
26 51 19 00-0299	EA	31 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer (LG LGE-2X4SI-31-40-4000-TB)	175.13	36.07
		Note: No sensor, ZigBee ready driver		
		For >50 To 100, Deduct	*-6.18*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.51*	
		For >500, Deduct	*-24.47*	
26 51 19 00-0300	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 1' x 4' LED Troffer (LG LGE-1X4SI-40-35-4000-TB)	153.72	36.07
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-5.65*	
		For >100 To 250, Deduct	*-9.49*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.25*	
26 51 19 00-0301	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 1' x 4' LED Troffer (LG LGE-1X4SI-40-40-4000-TB)	153.72	36.07
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-5.65*	
		For >100 To 250, Deduct	*-9.49*	
		For >250 To 500, Deduct	*-15.37*	
		For >500, Deduct	*-21.25*	
26 51 19 00-0302	EA	32 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-32-35-3200-TB)	190.53	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 250, Deduct	*-11.59*	
		For >250 To 500, Deduct	*-19.05*	
		For >500, Deduct	*-26.52*	
26 51 19 00-0303	EA	32 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-32-40-3200-TB)	190.53	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 250, Deduct	*-11.59*	
		For >250 To 500, Deduct	*-19.05*	
		For >500, Deduct	*-26.52*	
26 51 19 00-0304	EA	25 Watt, 3,200 Lumens, 3500K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-TB)	204.80	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 250, Deduct	*-12.30*	
		For >250 To 500, Deduct	*-20.48*	
		For >500, Deduct	*-28.66*	
26 51 19 00-0305	EA	25 Watt, 3,200 Lumens, 4000K CCT, Lay-In 2' x 2' LED Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-TB)	204.80	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 250, Deduct	*-12.30*	
		For >250 To 500, Deduct	*-20.48*	
		For >500, Deduct	*-28.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0306	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-40-35-4000-TB)	209.90	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.56*	
		For >250 To 500, Deduct	*-20.99*	
		For >500, Deduct	*-29.42*	
26 51 19 00-0307	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-40-40-4000-TB)	209.90	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.56*	
		For >250 To 500, Deduct	*-20.99*	
		For >500, Deduct	*-29.42*	
26 51 19 00-0308	EA	31 Watt, 4,000 Lumens, 3500K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-31-35-4000-TB)	221.12	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 250, Deduct	*-13.12*	
		For >250 To 500, Deduct	*-22.11*	
		For >500, Deduct	*-31.11*	
26 51 19 00-0309	EA	31 Watt, 4,000 Lumens, 4000K CCT, Lay-In 2' x 4' LED Troffer With Sensor Connect (LG LGE-2X4SC-31-40-4000-TB)	221.12	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 250, Deduct	*-13.12*	
		For >250 To 500, Deduct	*-22.11*	
		For >500, Deduct	*-31.11*	
26 51 19 00-0310	EA	40 Watt, 4,000 Lumens, 3500K CCT, Lay-In 1' x 4' LED Troffer With Sensor Connect (LG LGE-1X4SC-40-35-4000-TB)	209.90	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.56*	
		For >250 To 500, Deduct	*-20.99*	
		For >500, Deduct	*-29.42*	
26 51 19 00-0311	EA	40 Watt, 4,000 Lumens, 4000K CCT, Lay-In 1' x 4' LED Troffer With Sensor Connect (LG LGE-1X4SC-40-40-4000-TB)	209.90	41.22
		Note: Factory installed sensor and ZigBee dongle		
		For >50 To 100, Deduct	*-7.31*	
		For >100 To 250, Deduct	*-12.56*	
		For >250 To 500, Deduct	*-20.99*	
		For >500, Deduct	*-29.42*	

26 51 19 00-0312 Surface Mount LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0313 Surface Mount, Volumetric LED Fixtures (Lithonia RTLX) *(26 51 19 00-0312)*

26 51 19 00-0314	EA	1' x 4', 2,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	198.28	48.02
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 250, Deduct	*-11.72*	
		For >250 To 500, Deduct	*-19.83*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0315	EA	1' x 4', 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	198.28	48.02
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 250, Deduct	*-11.72*	
		For >250 To 500, Deduct	*-19.83*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0316	EA	1' x 4', 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	198.28	48.02
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 250, Deduct	*-11.72*	
		For >250 To 500, Deduct	*-19.83*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0317	EA	1' x 4', 4,800 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia RTLX4)	198.28	48.02
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 250, Deduct	*-11.72*	
		For >250 To 500, Deduct	*-19.83*	
		For >500, Deduct	*-27.94*	

26 51 19 00-0318 Surface Mount, Volumetric LED Fixtures (Lithonia 2RTX) *(26 51 19 00-0312)*

26 51 19 00-0319	EA	2' x 2', 2,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX2)	240.49	48.02
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.05*	
		For >500, Deduct	*-34.27*	
26 51 19 00-0320	EA	2' x 2', 3,300 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX2)	240.49	48.02
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.05*	
		For >500, Deduct	*-34.27*	
26 51 19 00-0321	EA	2' x 2', 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX2)	240.49	48.02
		For >50 To 100, Deduct	*-7.82*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-24.05*	
		For >500, Deduct	*-34.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0322	EA	2' x 4', 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	289.23	48.02
		For >50 To 100, Deduct	*-9.03*	
		For >100 To 250, Deduct	*-16.27*	
		For >250 To 500, Deduct	*-28.92*	
		For >500, Deduct	*-41.58*	
26 51 19 00-0323	EA	2' x 4', 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	289.23	48.02
		For >50 To 100, Deduct	*-9.03*	
		For >100 To 250, Deduct	*-16.27*	
		For >250 To 500, Deduct	*-28.92*	
		For >500, Deduct	*-41.58*	
26 51 19 00-0324	EA	2' x 4', 4,800 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	289.23	48.02
		For >50 To 100, Deduct	*-9.03*	
		For >100 To 250, Deduct	*-16.27*	
		For >250 To 500, Deduct	*-28.92*	
		For >500, Deduct	*-41.58*	
26 51 19 00-0325	EA	2' x 4', 6,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia 2RTX4)	289.23	48.02
		For >50 To 100, Deduct	*-9.03*	
		For >100 To 250, Deduct	*-16.27*	
		For >250 To 500, Deduct	*-28.92*	
		For >500, Deduct	*-41.58*	

26 51 19 00-0326 Surface Mount, Volumetric LED Fixtures (Lithonia STL) *(26 51 19 00-0312)*

26 51 19 00-0327	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	367.41	30.91
		For >50 To 100, Deduct	*-10.34*	
		For >100 To 250, Deduct	*-19.53*	
		For >250 To 500, Deduct	*-36.74*	
		For >500, Deduct	*-53.95*	
26 51 19 00-0328	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	306.35	37.71
		For >50 To 100, Deduct	*-9.08*	
		For >100 To 250, Deduct	*-16.73*	
		For >250 To 500, Deduct	*-30.64*	
		For >500, Deduct	*-44.54*	
26 51 19 00-0329	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	369.96	37.71
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 250, Deduct	*-19.92*	
		For >250 To 500, Deduct	*-37.00*	
		For >500, Deduct	*-54.08*	

26 51 19 00-0330 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0312)*

26 51 19 00-0331	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	281.63	30.91
		For >50 To 100, Deduct	*-8.20*	
		For >100 To 250, Deduct	*-15.24*	
		For >250 To 500, Deduct	*-28.16*	
		For >500, Deduct	*-41.09*	
26 51 19 00-0332	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	370.77	37.71
		For >50 To 100, Deduct	*-10.69*	
		For >100 To 250, Deduct	*-19.96*	
		For >250 To 500, Deduct	*-37.08*	
		For >500, Deduct	*-54.20*	

26 51 19 00-0333 Surface Mount, Wall Bracket Fixtures (Lithonia WL2) *(26 51 19 00-0312)*

26 51 19 00-0334	EA	2', 771 Lumens, 7.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP830)	343.88	33.84
		For >50 To 100, Deduct	*-9.87*	
		For >100 To 250, Deduct	*-18.46*	
		For >250 To 500, Deduct	*-34.39*	
		For >500, Deduct	*-50.31*	
26 51 19 00-0335	EA	2', 809 Lumens, 7.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP835)	339.50	30.91
		For >50 To 100, Deduct	*-9.65*	
		For >100 To 250, Deduct	*-18.13*	
		For >250 To 500, Deduct	*-33.95*	
		For >500, Deduct	*-49.77*	
26 51 19 00-0336	EA	2', 848 Lumens, 7.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP840)	339.50	30.91
		For >50 To 100, Deduct	*-9.65*	
		For >100 To 250, Deduct	*-18.13*	
		For >250 To 500, Deduct	*-33.95*	
		For >500, Deduct	*-49.77*	
26 51 19 00-0337	EA	2', 877 Lumens, 7.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 08L LP850)	339.50	30.91
		For >50 To 100, Deduct	*-9.65*	
		For >100 To 250, Deduct	*-18.13*	
		For >250 To 500, Deduct	*-33.95*	
		For >500, Deduct	*-49.77*	
26 51 19 00-0338	EA	2', 1,190 Lumens, 12.2 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP830)	395.93	30.91
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-20.96*	
		For >250 To 500, Deduct	*-39.59*	
		For >500, Deduct	*-58.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0339	EA	2', 1,249 Lumens, 12.2 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP835)	395.93	30.91
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-20.96*	
		For >250 To 500, Deduct	*-39.59*	
		For >500, Deduct	*-58.23*	
26 51 19 00-0340	EA	2', 1,311 Lumens, 12.2 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP840)	395.93	30.91
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-20.96*	
		For >250 To 500, Deduct	*-39.59*	
		For >500, Deduct	*-58.23*	
26 51 19 00-0341	EA	2', 1,364 Lumens, 12.2 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 12L LP850)	395.93	30.91
		For >50 To 100, Deduct	*-11.06*	
		For >100 To 250, Deduct	*-20.96*	
		For >250 To 500, Deduct	*-39.59*	
		For >500, Deduct	*-58.23*	
26 51 19 00-0342	EA	2', 1,711 Lumens, 17.5 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP830)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0343	EA	2', 1,796 Lumens, 17.5 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP835)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0344	EA	2', 1,889 Lumens, 17.5 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP840)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0345	EA	2', 1,966 Lumens, 17.5 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 18L LP850)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0346	EA	2', 2,086 Lumens, 21 Watt, 3000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP830)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0347	EA	2', 2,120.5 Lumens, 21 Watt, 3500K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP835)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0348	EA	2', 2,189.4 Lumens, 21 Watt, 4000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP840)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	
26 51 19 00-0349	EA	2', 2,258.4 Lumens, 21 Watt, 5000K CCT, Wall Bracket And Surface Mount LED Light Fixture (Lithonia Lighting WL2 22L LP850)	424.08	30.91
		For >50 To 100, Deduct	*-11.76*	
		For >100 To 250, Deduct	*-22.36*	
		For >250 To 500, Deduct	*-42.41*	
		For >500, Deduct	*-62.45*	

26 51 19 00-0350 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0312)*

26 51 19 00-0351 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0350)*

26 51 19 00-0352	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	847.04	41.22
		For >50 To 100, Deduct	*-22.72*	
		For >100 To 250, Deduct	*-43.90*	
		For >250 To 500, Deduct	*-84.70*	
		For >500, Deduct	*-125.51*	
26 51 19 00-0353	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,088.87	48.02
		For >50 To 100, Deduct	*-29.03*	
		For >100 To 250, Deduct	*-56.25*	
		For >250 To 500, Deduct	*-108.89*	
		For >500, Deduct	*-161.53*	

26 51 19 00-0354 Surface Mount, Low Profile Fixtures *(26 51 19 00-0312)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0355	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	104.76	28.25
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-6.65*	
		For >250 To 500, Deduct	*-10.48*	
		For >500, Deduct	*-14.30*	
26 51 19 00-0356	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	83.81	28.25
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.60*	
		For >250 To 500, Deduct	*-8.38*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0357	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	148.75	28.25
		For >50 To 100, Deduct	*-5.13*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.88*	
		For >500, Deduct	*-20.90*	
26 51 19 00-0358	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	182.27	28.25
		For >50 To 100, Deduct	*-5.97*	
		For >100 To 250, Deduct	*-10.53*	
		For >250 To 500, Deduct	*-18.23*	
		For >500, Deduct	*-25.93*	

26 51 19 00-0359 Wall Bracket And Surface Mount LED Fixtures (Lithonia WL Series) *(26 51 19 00-0312)*

26 51 19 00-0360	EA	2' Length, 800 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	326.02	37.23
		For >50 To 100, Deduct	*-9.56*	
		For >100 To 250, Deduct	*-17.71*	
		For >250 To 500, Deduct	*-32.60*	
		For >500, Deduct	*-47.49*	
26 51 19 00-0361	EA	2' Length, 1,200 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	380.47	37.23
		For >50 To 100, Deduct	*-10.92*	
		For >100 To 250, Deduct	*-20.43*	
		For >250 To 500, Deduct	*-38.05*	
		For >500, Deduct	*-55.66*	
26 51 19 00-0362	EA	2' Length, 1,800 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	434.93	37.23
		For >50 To 100, Deduct	*-12.28*	
		For >100 To 250, Deduct	*-23.16*	
		For >250 To 500, Deduct	*-43.49*	
		For >500, Deduct	*-63.83*	
26 51 19 00-0363	EA	2' Length, 2,200 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL2 Series)	464.70	37.23
		For >50 To 100, Deduct	*-13.03*	
		For >100 To 250, Deduct	*-24.65*	
		For >250 To 500, Deduct	*-46.47*	
		For >500, Deduct	*-68.30*	
26 51 19 00-0364	EA	4' Length, 2,000 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL4 Series)	479.58	45.12
		For >50 To 100, Deduct	*-13.68*	
		For >100 To 250, Deduct	*-25.67*	
		For >250 To 500, Deduct	*-47.96*	
		For >500, Deduct	*-70.25*	
26 51 19 00-0365	EA	4' Length, 3,000 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL4 Series)	500.66	45.12
		For >50 To 100, Deduct	*-14.21*	
		For >100 To 250, Deduct	*-26.73*	
		For >250 To 500, Deduct	*-50.07*	
		For >500, Deduct	*-73.41*	
26 51 19 00-0366	EA	4' Length, 4,000 Lumens, Wall Bracket And Surface Mount LED Fixture (Lithonia WL4 Series)	561.26	45.12
		For >50 To 100, Deduct	*-15.72*	
		For >100 To 250, Deduct	*-29.76*	
		For >250 To 500, Deduct	*-56.13*	
		For >500, Deduct	*-82.50*	

26 51 19 00-0367 Recessed LED Downlights *(26 51 19 00-0001)*

26 51 19 00-0368 Recessed LED Downlights *(26 51 19 00-0367)*

26 51 19 00-0369 Recessed LED Downlights (Lithonia) *(26 51 19 00-0368)*

Note: Includes housing and trim.

26 51 19 00-0370	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	414.65	49.63
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*88.53*	
		For >50 To 100, Deduct	*-12.23*	
		For >100 To 250, Deduct	*-22.59*	
		For >250 To 500, Deduct	*-41.47*	
		For >500, Deduct	*-60.34*	
26 51 19 00-0371	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	451.52	49.63
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*88.53*	
		For >50 To 100, Deduct	*-13.15*	
		For >100 To 250, Deduct	*-24.44*	
		For >250 To 500, Deduct	*-45.15*	
		For >500, Deduct	*-65.87*	

26 51 19 00-0372 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0368)*

Note: Includes housing and trim.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0373	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	257.86	49.63
		For >50 To 100, Deduct	*-8.31*	
		For >100 To 250, Deduct	*-14.75*	
		For >250 To 500, Deduct	*-25.79*	
		For >500, Deduct	*-36.82*	

26 51 19 00-0374 Recessed LED Downlights (Gotham® EVO®) *(26 51 19 00-0368)*

Note: Includes housing and trim.

26 51 19 00-0375	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	306.43	49.63
		For >50 To 100, Deduct	*-9.52*	
		For >100 To 250, Deduct	*-17.18*	
		For >250 To 500, Deduct	*-30.64*	
		For >500, Deduct	*-44.10*	
26 51 19 00-0376	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	316.32	49.63
		For >50 To 100, Deduct	*-9.77*	
		For >100 To 250, Deduct	*-17.68*	
		For >250 To 500, Deduct	*-31.63*	
		For >500, Deduct	*-45.59*	
26 51 19 00-0377	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	356.90	49.63
		For >50 To 100, Deduct	*-10.78*	
		For >100 To 250, Deduct	*-19.71*	
		For >250 To 500, Deduct	*-35.69*	
		For >500, Deduct	*-51.67*	
26 51 19 00-0378	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	360.87	49.63
		For >50 To 100, Deduct	*-10.88*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-36.09*	
		For >500, Deduct	*-52.27*	
26 51 19 00-0379	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	395.50	49.63
		For >50 To 100, Deduct	*-11.75*	
		For >100 To 250, Deduct	*-21.64*	
		For >250 To 500, Deduct	*-39.55*	
		For >500, Deduct	*-57.46*	

26 51 19 00-0380 Recessed LED Downlights (Lightolier) *(26 51 19 00-0368)*

Note: Includes housing and trim.

26 51 19 00-0381	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	628.80	49.63
		For >50 To 100, Deduct	*-17.58*	
		For >100 To 250, Deduct	*-33.30*	
		For >250 To 500, Deduct	*-62.88*	
		For >500, Deduct	*-92.46*	
26 51 19 00-0382	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	739.96	49.63
		For >50 To 100, Deduct	*-20.36*	
		For >100 To 250, Deduct	*-38.86*	
		For >250 To 500, Deduct	*-74.00*	
		For >500, Deduct	*-109.13*	
26 51 19 00-0383	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	795.41	49.63
		For >50 To 100, Deduct	*-21.75*	
		For >100 To 250, Deduct	*-41.63*	
		For >250 To 500, Deduct	*-79.54*	
		For >500, Deduct	*-117.45*	
26 51 19 00-0384	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	795.41	49.63
		For >50 To 100, Deduct	*-21.75*	
		For >100 To 250, Deduct	*-41.63*	
		For >250 To 500, Deduct	*-79.54*	
		For >500, Deduct	*-117.45*	
26 51 19 00-0385	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	823.26	49.63
		For >50 To 100, Deduct	*-22.44*	
		For >100 To 250, Deduct	*-43.02*	
		For >250 To 500, Deduct	*-82.33*	
		For >500, Deduct	*-121.63*	
26 51 19 00-0386	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	851.13	49.63
		For >50 To 100, Deduct	*-23.14*	
		For >100 To 250, Deduct	*-44.42*	
		For >250 To 500, Deduct	*-85.11*	
		For >500, Deduct	*-125.81*	

26 51 19 00-0387 Recessed LED Downlights (Cree®) *(26 51 19 00-0368)*

Note: Includes housing and trim.

26 51 19 00-0388	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, White (Cree® SC6-277V)	155.74	49.63
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 250, Deduct	*-9.65*	
		For >250 To 500, Deduct	*-15.57*	
		For >500, Deduct	*-21.50*	
26 51 19 00-0389	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, White (Cree® SC6-GU24)	146.51	49.63
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 250, Deduct	*-9.19*	
		For >250 To 500, Deduct	*-14.65*	
		For >500, Deduct	*-20.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0390	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, Black (Cree® SC6-BL-GU24)	153.91	49.63
		For >50 To 100, Deduct	*-5.71*	
		For >100 To 250, Deduct	*-9.56*	
		For >250 To 500, Deduct	*-15.39*	
		For >500, Deduct	*-21.23*	
26 51 19 00-0391	EA	6" Diameter, IC Rated, Surface Mount LED Downlight Fixture Housing, Black (Cree® SC6-BL-277V)	163.14	49.63
		For >50 To 100, Deduct	*-5.94*	
		For >100 To 250, Deduct	*-10.02*	
		For >250 To 500, Deduct	*-16.31*	
		For >500, Deduct	*-22.61*	
26 51 19 00-0392	EA	6" Diameter, IC Rated, Pendant Mount LED Downlight Fixture Housing, White (Cree® SC6-CM-GU24)	164.99	49.63
		For >50 To 100, Deduct	*-5.99*	
		For >100 To 250, Deduct	*-10.11*	
		For >250 To 500, Deduct	*-16.50*	
		For >500, Deduct	*-22.89*	
26 51 19 00-0393	EA	6" Diameter, IC Rated, Cord Mount LED Downlight Fixture Housing, White (Cree® SC6-CM-277V)	174.23	49.63
		For >50 To 100, Deduct	*-6.22*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-17.42*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0394	EA	6" Diameter, IC Rated, Pendant Mount LED Downlight Fixture Housing, Black (Cree® SC6-CM-BL-GU24)	172.38	49.63
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 250, Deduct	*-10.48*	
		For >250 To 500, Deduct	*-17.24*	
		For >500, Deduct	*-24.00*	
26 51 19 00-0395	EA	6" Diameter, IC Rated, Pendant Mount LED Downlight Fixture Housing, Black (Cree® SC6-CM-BL-277V)	181.63	49.63
		For >50 To 100, Deduct	*-6.40*	
		For >100 To 250, Deduct	*-10.94*	
		For >250 To 500, Deduct	*-18.16*	
		For >500, Deduct	*-25.38*	
26 51 19 00-0396	EA	6" Diameter, IC Rated, Wall Mount LED Downlight Fixture Housing, White (Cree® SC6-WM-GU24)	174.23	49.63
		For >50 To 100, Deduct	*-6.22*	
		For >100 To 250, Deduct	*-10.57*	
		For >250 To 500, Deduct	*-17.42*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0397	EA	6" Diameter, IC Rated, Wall Mount LED Downlight Fixture Housing, White (Cree® SC6-WM-277V)	183.46	49.63
		For >50 To 100, Deduct	*-6.45*	
		For >100 To 250, Deduct	*-11.03*	
		For >250 To 500, Deduct	*-18.35*	
		For >500, Deduct	*-25.66*	
26 51 19 00-0398	EA	6" Diameter, IC Rated, Wall Mount LED Downlight Fixture Housing, Black (Cree® SC6-WM-BL-GU24)	181.63	49.63
		For >50 To 100, Deduct	*-6.40*	
		For >100 To 250, Deduct	*-10.94*	
		For >250 To 500, Deduct	*-18.16*	
		For >500, Deduct	*-25.38*	

26 51 19 00-0399 Recessed LED Downlights (Cooper) *(26 51 19 00-0368)*

26 51 19 00-0400	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	157.48	49.63
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-9.74*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.76*	
26 51 19 00-0401	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	157.48	49.63
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-9.74*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.76*	
26 51 19 00-0402	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	157.48	49.63
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-9.74*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.76*	
26 51 19 00-0403	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	157.48	49.63
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 250, Deduct	*-9.74*	
		For >250 To 500, Deduct	*-15.75*	
		For >500, Deduct	*-21.76*	
26 51 19 00-0404	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	160.57	49.63
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.89*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.22*	
26 51 19 00-0405	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	160.57	49.63
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.89*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.22*	
26 51 19 00-0406	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	160.57	49.63
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.89*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0407	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	160.57	49.63
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 250, Deduct	*-9.89*	
		For >250 To 500, Deduct	*-16.06*	
		For >500, Deduct	*-22.22*	
26 51 19 00-0408	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	202.49	49.63
		For >50 To 100, Deduct	*-6.92*	
		For >100 To 250, Deduct	*-11.99*	
		For >250 To 500, Deduct	*-20.25*	
		For >500, Deduct	*-28.51*	
26 51 19 00-0409	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	200.36	49.63
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.88*	
		For >250 To 500, Deduct	*-20.04*	
		For >500, Deduct	*-28.19*	
26 51 19 00-0410	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	200.36	49.63
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.88*	
		For >250 To 500, Deduct	*-20.04*	
		For >500, Deduct	*-28.19*	
26 51 19 00-0411	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	200.36	49.63
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 250, Deduct	*-11.88*	
		For >250 To 500, Deduct	*-20.04*	
		For >500, Deduct	*-28.19*	
26 51 19 00-0412	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	98.29	15.79
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-5.51*	
		For >250 To 500, Deduct	*-9.83*	
		For >500, Deduct	*-14.15*	
26 51 19 00-0413	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	59.92	15.79
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 500, Deduct	*-5.99*	
		For >500, Deduct	*-8.40*	
26 51 19 00-0414	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	76.43	15.79
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.41*	
		For >250 To 500, Deduct	*-7.64*	
		For >500, Deduct	*-10.87*	
26 51 19 00-0415	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	63.24	15.79
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-3.75*	
		For >250 To 500, Deduct	*-6.32*	
		For >500, Deduct	*-8.89*	
26 51 19 00-0416	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	49.75	15.79
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 500, Deduct	*-4.98*	
		For >500, Deduct	*-6.87*	
26 51 19 00-0417	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	62.65	15.79
		For >50 To 100, Deduct	*-2.16*	
		For >100 To 250, Deduct	*-3.72*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.81*	
26 51 19 00-0418	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	70.50	15.79
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 500, Deduct	*-7.05*	
		For >500, Deduct	*-9.98*	
26 51 19 00-0419	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	77.50	15.79
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.47*	
		For >250 To 500, Deduct	*-7.75*	
		For >500, Deduct	*-11.03*	
26 51 19 00-0420	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	91.18	15.79
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-9.12*	
		For >500, Deduct	*-13.08*	
26 51 19 00-0421	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	91.62	15.79
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-9.16*	
		For >500, Deduct	*-13.15*	
26 51 19 00-0422	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	89.65	15.79
		For >50 To 100, Deduct	*-2.83*	
		For >100 To 250, Deduct	*-5.07*	
		For >250 To 500, Deduct	*-8.97*	
		For >500, Deduct	*-12.86*	
26 51 19 00-0423	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	112.08	15.79
		For >50 To 100, Deduct	*-3.39*	
		For >100 To 250, Deduct	*-6.20*	
		For >250 To 500, Deduct	*-11.21*	
		For >500, Deduct	*-16.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0424	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	50.23	15.79
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 250, Deduct	*-3.10*	
		For >250 To 500, Deduct	*-5.02*	
		For >500, Deduct	*-6.94*	
26 51 19 00-0425	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	95.01	15.79
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 500, Deduct	*-9.50*	
		For >500, Deduct	*-13.66*	
26 51 19 00-0426	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	79.91	15.79
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-7.99*	
		For >500, Deduct	*-11.39*	
26 51 19 00-0427	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	74.61	15.79
		For >50 To 100, Deduct	*-2.46*	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 500, Deduct	*-7.46*	
		For >500, Deduct	*-10.60*	
26 51 19 00-0428	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	65.88	15.79
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-3.89*	
		For >250 To 500, Deduct	*-6.59*	
		For >500, Deduct	*-9.29*	
26 51 19 00-0429	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	66.51	15.79
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.65*	
		For >500, Deduct	*-9.38*	
26 51 19 00-0430	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	72.11	15.79
		For >50 To 100, Deduct	*-2.40*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-7.21*	
		For >500, Deduct	*-10.22*	
26 51 19 00-0431	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	65.53	15.79
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.24*	
26 51 19 00-0432	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	83.41	15.79
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.92*	
26 51 19 00-0433	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	90.94	15.79
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 250, Deduct	*-5.14*	
		For >250 To 500, Deduct	*-9.09*	
		For >500, Deduct	*-13.05*	
26 51 19 00-0434	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	116.01	15.79
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-6.39*	
		For >250 To 500, Deduct	*-11.60*	
		For >500, Deduct	*-16.81*	
26 51 19 00-0435	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	112.87	15.79
		For >50 To 100, Deduct	*-3.41*	
		For >100 To 250, Deduct	*-6.24*	
		For >250 To 500, Deduct	*-11.29*	
		For >500, Deduct	*-16.34*	
26 51 19 00-0436	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	114.25	15.79
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.30*	
		For >250 To 500, Deduct	*-11.43*	
		For >500, Deduct	*-16.55*	
26 51 19 00-0437	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	67.26	15.79
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-3.96*	
		For >250 To 500, Deduct	*-6.73*	
		For >500, Deduct	*-9.50*	
26 51 19 00-0438	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	57.50	33.84
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 250, Deduct	*-4.14*	
		For >250 To 500, Deduct	*-5.75*	
		For >500, Deduct	*-7.36*	
26 51 19 00-0439	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	63.64	33.84
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-6.36*	
		For >500, Deduct	*-8.28*	
26 51 19 00-0440	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	61.18	33.84
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 500, Deduct	*-6.12*	
		For >500, Deduct	*-7.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0441	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	85.37	33.84
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-5.54*	
		For >250 To 500, Deduct	*-8.54*	
		For >500, Deduct	*-11.54*	
26 51 19 00-0442	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	82.53	33.84
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-5.40*	
		For >250 To 500, Deduct	*-8.25*	
		For >500, Deduct	*-11.11*	
26 51 19 00-0443	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	64.47	33.84
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-6.45*	
		For >500, Deduct	*-8.40*	
26 51 19 00-0444	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	68.61	33.84
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-6.86*	
		For >500, Deduct	*-9.02*	
26 51 19 00-0445	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	63.61	33.84
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-6.36*	
		For >500, Deduct	*-8.27*	
26 51 19 00-0446	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	68.14	33.84
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-4.68*	
		For >250 To 500, Deduct	*-6.81*	
		For >500, Deduct	*-8.95*	
26 51 19 00-0447	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	64.36	33.84
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-4.49*	
		For >250 To 500, Deduct	*-6.44*	
		For >500, Deduct	*-8.39*	
26 51 19 00-0448	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	63.94	33.84
		For >50 To 100, Deduct	*-2.87*	
		For >100 To 250, Deduct	*-4.47*	
		For >250 To 500, Deduct	*-6.39*	
		For >500, Deduct	*-8.32*	
26 51 19 00-0449	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	67.21	33.84
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-4.63*	
		For >250 To 500, Deduct	*-6.72*	
		For >500, Deduct	*-8.81*	
26 51 19 00-0450	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	68.98	33.84
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-4.72*	
		For >250 To 500, Deduct	*-6.90*	
		For >500, Deduct	*-9.08*	
26 51 19 00-0451	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	69.54	33.84
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 250, Deduct	*-4.75*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-9.16*	
26 51 19 00-0452	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	96.94	33.84
		For >50 To 100, Deduct	*-3.69*	
		For >100 To 250, Deduct	*-6.12*	
		For >250 To 500, Deduct	*-9.69*	
		For >500, Deduct	*-13.27*	
26 51 19 00-0453	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	90.06	33.84
		For >50 To 100, Deduct	*-3.52*	
		For >100 To 250, Deduct	*-5.77*	
		For >250 To 500, Deduct	*-9.01*	
		For >500, Deduct	*-12.24*	
26 51 19 00-0454	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	90.86	33.84
		For >50 To 100, Deduct	*-3.54*	
		For >100 To 250, Deduct	*-5.81*	
		For >250 To 500, Deduct	*-9.09*	
		For >500, Deduct	*-12.36*	
26 51 19 00-0455	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	95.46	33.84
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.05*	
26 51 19 00-0456	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	95.46	33.84
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.05*	
26 51 19 00-0457	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	95.46	33.84
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0458	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	95.46	33.84
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.05*	
26 51 19 00-0459	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	95.46	33.84
		For >50 To 100, Deduct	*-3.66*	
		For >100 To 250, Deduct	*-6.04*	
		For >250 To 500, Deduct	*-9.55*	
		For >500, Deduct	*-13.05*	
26 51 19 00-0460	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	83.43	33.84
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0461	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	83.43	33.84
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0462	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	83.43	33.84
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0463	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	83.43	33.84
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0464	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	83.43	33.84
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0465	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	84.31	33.84
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-8.43*	
		For >500, Deduct	*-11.38*	
26 51 19 00-0466	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	97.82	33.84
		For >50 To 100, Deduct	*-3.71*	
		For >100 To 250, Deduct	*-6.16*	
		For >250 To 500, Deduct	*-9.78*	
		For >500, Deduct	*-13.40*	
26 51 19 00-0467	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	84.31	33.84
		For >50 To 100, Deduct	*-3.38*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-8.43*	
		For >500, Deduct	*-11.38*	
26 51 19 00-0468	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	94.00	33.84
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-5.97*	
		For >250 To 500, Deduct	*-9.40*	
		For >500, Deduct	*-12.83*	
26 51 19 00-0469	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	78.83	33.84
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-7.88*	
		For >500, Deduct	*-10.56*	
26 51 19 00-0470	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	80.17	33.84
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-5.28*	
		For >250 To 500, Deduct	*-8.02*	
		For >500, Deduct	*-10.76*	
26 51 19 00-0471	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	89.61	33.84
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.17*	
26 51 19 00-0472	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	89.61	33.84
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.17*	
26 51 19 00-0473	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	89.61	33.84
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.17*	
26 51 19 00-0474	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	89.61	33.84
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0475	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	89.61	33.84
		For >50 To 100, Deduct	*-3.51*	
		For >100 To 250, Deduct	*-5.75*	
		For >250 To 500, Deduct	*-8.96*	
		For >500, Deduct	*-12.17*	
26 51 19 00-0476	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	77.23	15.79
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-7.72*	
		For >500, Deduct	*-10.99*	
26 51 19 00-0477	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	79.97	15.79
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.59*	
		For >250 To 500, Deduct	*-8.00*	
		For >500, Deduct	*-11.40*	
26 51 19 00-0478	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	72.86	33.84
		For >50 To 100, Deduct	*-3.09*	
		For >100 To 250, Deduct	*-4.91*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-9.66*	
26 51 19 00-0479	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	73.19	33.84
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 500, Deduct	*-7.32*	
		For >500, Deduct	*-9.71*	
26 51 19 00-0480	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	67.49	33.84
		For >50 To 100, Deduct	*-2.96*	
		For >100 To 250, Deduct	*-4.64*	
		For >250 To 500, Deduct	*-6.75*	
		For >500, Deduct	*-8.85*	
26 51 19 00-0481	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	70.29	33.84
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-7.03*	
		For >500, Deduct	*-9.27*	
26 51 19 00-0482	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	69.38	33.84
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-6.94*	
		For >500, Deduct	*-9.14*	
26 51 19 00-0483	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	70.23	33.84
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.27*	
26 51 19 00-0484	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	82.24	33.84
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-8.22*	
		For >500, Deduct	*-11.07*	
26 51 19 00-0485	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	82.88	33.84
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-8.29*	
		For >500, Deduct	*-11.16*	
26 51 19 00-0486	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	86.11	33.84
		For >50 To 100, Deduct	*-3.42*	
		For >100 To 250, Deduct	*-5.57*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-11.65*	
26 51 19 00-0487	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	88.37	33.84
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-5.69*	
		For >250 To 500, Deduct	*-8.84*	
		For >500, Deduct	*-11.99*	
26 51 19 00-0488	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	98.31	33.84
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-6.18*	
		For >250 To 500, Deduct	*-9.83*	
		For >500, Deduct	*-13.48*	

26 51 19 00-0489 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0368)*

26 51 19 00-0490	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	175.46	49.63
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 250, Deduct	*-10.63*	
		For >250 To 500, Deduct	*-17.55*	
		For >500, Deduct	*-24.46*	
26 51 19 00-0491	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	178.04	49.63
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 250, Deduct	*-10.76*	
		For >250 To 500, Deduct	*-17.80*	
		For >500, Deduct	*-24.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0492	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	185.82	49.63
		For >50 To 100, Deduct	*-6.51*	
		For >100 To 250, Deduct	*-11.15*	
		For >250 To 500, Deduct	*-18.58*	
		For >500, Deduct	*-26.01*	
26 51 19 00-0493	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	170.26	49.63
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 250, Deduct	*-10.37*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.68*	
26 51 19 00-0494	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	170.26	49.63
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 250, Deduct	*-10.37*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.68*	
26 51 19 00-0495	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	170.26	49.63
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 250, Deduct	*-10.37*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.68*	
26 51 19 00-0496	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	185.82	49.63
		For >50 To 100, Deduct	*-6.51*	
		For >100 To 250, Deduct	*-11.15*	
		For >250 To 500, Deduct	*-18.58*	
		For >500, Deduct	*-26.01*	
26 51 19 00-0497	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	188.41	49.63
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.28*	
		For >250 To 500, Deduct	*-18.84*	
		For >500, Deduct	*-26.40*	
26 51 19 00-0498	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	193.58	49.63
		For >50 To 100, Deduct	*-6.70*	
		For >100 To 250, Deduct	*-11.54*	
		For >250 To 500, Deduct	*-19.36*	
		For >500, Deduct	*-27.18*	
26 51 19 00-0499	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	209.11	49.63
		For >50 To 100, Deduct	*-7.09*	
		For >100 To 250, Deduct	*-12.32*	
		For >250 To 500, Deduct	*-20.91*	
		For >500, Deduct	*-29.51*	
26 51 19 00-0500	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	229.84	49.63
		For >50 To 100, Deduct	*-7.61*	
		For >100 To 250, Deduct	*-13.35*	
		For >250 To 500, Deduct	*-22.98*	
		For >500, Deduct	*-32.61*	

26 51 19 00-0501 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0367)*

26 51 19 00-0502 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0501)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0503	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	96.57	
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 250, Deduct	*-5.53*	
		For >250 To 500, Deduct	*-9.66*	
		For >500, Deduct	*-13.78*	
26 51 19 00-0504	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	85.48	
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-8.55*	
		For >500, Deduct	*-12.12*	
26 51 19 00-0505	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	107.66	
		For >50 To 100, Deduct	*-3.40*	
		For >100 To 250, Deduct	*-6.09*	
		For >250 To 500, Deduct	*-10.77*	
		For >500, Deduct	*-15.44*	
26 51 19 00-0506	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	120.58	
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-6.73*	
		For >250 To 500, Deduct	*-12.06*	
		For >500, Deduct	*-17.38*	
26 51 19 00-0507	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	131.67	
		For >50 To 100, Deduct	*-4.00*	
		For >100 To 250, Deduct	*-7.29*	
		For >250 To 500, Deduct	*-13.17*	
		For >500, Deduct	*-19.05*	

26 51 19 00-0508 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0501)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0509	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	35.39	7.90
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.54*	
		For >500, Deduct	*-4.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0510	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	42.79	7.90
		For >50 To 100, Deduct	*-1.49*	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 500, Deduct	*-4.28*	
		For >500, Deduct	*-6.00*	
26 51 19 00-0511	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	37.24	7.90
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.29*	
		For >250 To 500, Deduct	*-3.72*	
		For >500, Deduct	*-5.16*	
26 51 19 00-0512	EA	6" Diameter, Deep Recess, Recessed LED Downlight Retrofit (Cree® LR6-18L-XXX-120V-A-DR)	172.13	7.90
		For >50 To 100, Deduct	*-4.73*	
		For >100 To 250, Deduct	*-9.03*	
		For >250 To 500, Deduct	*-17.21*	
		For >500, Deduct	*-25.40*	

26 51 19 00-0513 Recessed LED Downlight Fixture Housings (CREE®) *(26 51 19 00-0501)*

Note: Excludes lamp and trim.

26 51 19 00-0514	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	95.11	33.84
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-6.02*	
		For >250 To 500, Deduct	*-9.51*	
		For >500, Deduct	*-13.00*	
26 51 19 00-0515	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	69.23	33.84
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-6.92*	
		For >500, Deduct	*-9.12*	

26 51 19 00-0516 Can Retrofit Or Surface Mount, LED Downlights *(26 51 19 00-0367)*

26 51 19 00-0517	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	101.81	30.91
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-6.25*	
		For >250 To 500, Deduct	*-10.18*	
		For >500, Deduct	*-14.11*	
26 51 19 00-0518	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	80.27	30.91
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.03*	
		For >500, Deduct	*-10.88*	
26 51 19 00-0519	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	80.27	30.91
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-8.03*	
		For >500, Deduct	*-10.88*	
26 51 19 00-0520	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	138.84	30.91
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*49.60*	
		For >50 To 100, Deduct	*-4.63*	
		For >100 To 250, Deduct	*-8.10*	
		For >250 To 500, Deduct	*-13.88*	
		For >500, Deduct	*-19.67*	
26 51 19 00-0521	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	65.84	30.91
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 250, Deduct	*-4.45*	
		For >250 To 500, Deduct	*-6.58*	
		For >500, Deduct	*-8.72*	
26 51 19 00-0522	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	73.65	30.91
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-7.37*	
		For >500, Deduct	*-9.89*	
26 51 19 00-0523	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	962.98	30.91
		For >50 To 100, Deduct	*-25.23*	
		For >100 To 250, Deduct	*-49.31*	
		For >250 To 500, Deduct	*-96.30*	
		For >500, Deduct	*-143.29*	

26 51 19 00-0524 Wall Mount LED Cylinder Downlight *(26 51 19 00-0001)*

26 51 19 00-0525	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	405.07	48.02
		For >50 To 100, Deduct	*-11.93*	
		For >100 To 250, Deduct	*-22.06*	
		For >250 To 500, Deduct	*-40.51*	
		For >500, Deduct	*-58.96*	

26 51 19 00-0526 Wall Sconce And Wall Wash LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0527 LED Wall Sconce Fixtures (Hudson Valley Lighting) *(26 51 19 00-0526)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0528	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	546.48	45.12
		For >50 To 100, Deduct	*-15.35*	
		For >100 To 250, Deduct	*-29.02*	
		For >250 To 500, Deduct	*-54.65*	
		For >500, Deduct	*-80.28*	
26 51 19 00-0529		**LED Wall Sconce Fixtures (Kichler)** *(26 51 19 00-0526)*		
26 51 19 00-0530	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	299.52	45.12
		For >50 To 100, Deduct	*-9.18*	
		For >100 To 250, Deduct	*-16.67*	
		For >250 To 500, Deduct	*-29.95*	
		For >500, Deduct	*-43.24*	
26 51 19 00-0531		**LED Wall Sconce Fixtures (Metalux)** *(26 51 19 00-0526)*		
26 51 19 00-0532	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	141.65	45.12
		For >50 To 100, Deduct	*-5.23*	
		For >100 To 250, Deduct	*-8.77*	
		For >250 To 500, Deduct	*-14.17*	
		For >500, Deduct	*-19.56*	
26 51 19 00-0533	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	123.44	45.12
		For >50 To 100, Deduct	*-4.78*	
		For >100 To 250, Deduct	*-7.86*	
		For >250 To 500, Deduct	*-12.34*	
		For >500, Deduct	*-16.82*	
26 51 19 00-0534		**Concealed Continuous LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0535		**Concealed Continuous LED Fixtures (Fraqtir™ S301)** *(26 51 19 00-0534)*		
26 51 19 00-0536	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	756.97	5.15
		For >50 To 100, Deduct	*-19.18*	
		For >100 To 250, Deduct	*-38.11*	
		For >250 To 500, Deduct	*-75.70*	
		For >500, Deduct	*-113.29*	
26 51 19 00-0537	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	863.29	5.15
		For >50 To 100, Deduct	*-21.84*	
		For >100 To 250, Deduct	*-43.42*	
		For >250 To 500, Deduct	*-86.33*	
		For >500, Deduct	*-129.24*	
26 51 19 00-0538		**Low Bay LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0539		**LED Linear Low Bay Fixtures (PlanLED)** *(26 51 19 00-0538)*		
26 51 19 00-0540	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	372.17	61.83
		For >50 To 100, Deduct	*-11.88*	
		For >100 To 250, Deduct	*-21.18*	
		For >250 To 500, Deduct	*-37.22*	
		For >500, Deduct	*-53.25*	
26 51 19 00-0541	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	511.22	61.83
		For >50 To 100, Deduct	*-15.36*	
		For >100 To 250, Deduct	*-28.14*	
		For >250 To 500, Deduct	*-51.12*	
		For >500, Deduct	*-74.11*	
26 51 19 00-0542	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	857.69	77.29
		For >50 To 100, Deduct	*-24.66*	
		For >100 To 250, Deduct	*-46.10*	
		For >250 To 500, Deduct	*-85.77*	
		For >500, Deduct	*-125.43*	
26 51 19 00-0543		**LED Linear Low Bay Fixtures (Lithonia MSL)** *(26 51 19 00-0538)* Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0544	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	1,016.42	61.83
		For >50 To 100, Deduct	*-27.99*	
		For >100 To 250, Deduct	*-53.40*	
		For >250 To 500, Deduct	*-101.64*	
		For >500, Deduct	*-149.89*	
26 51 19 00-0545		**LED Low Bay Fixtures (CREE®)** *(26 51 19 00-0538)*		
26 51 19 00-0546		**LED Low Bay Fixtures (CREE® LS)** *(26 51 19 00-0545)* Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0547	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	286.81	61.83
		For >50 To 100, Deduct	*-9.75*	
		For >100 To 250, Deduct	*-16.92*	
		For >250 To 500, Deduct	*-28.68*	
		For >500, Deduct	*-40.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0548	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	305.66	61.83
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 250, Deduct	*-17.86*	
		For >250 To 500, Deduct	*-30.57*	
		For >500, Deduct	*-43.27*	
26 51 19 00-0549	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	294.66	61.83
		For >50 To 100, Deduct	*-9.94*	
		For >100 To 250, Deduct	*-17.31*	
		For >250 To 500, Deduct	*-29.47*	
		For >500, Deduct	*-41.62*	
26 51 19 00-0550	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	313.51	61.83
		For >50 To 100, Deduct	*-10.41*	
		For >100 To 250, Deduct	*-18.25*	
		For >250 To 500, Deduct	*-31.35*	
		For >500, Deduct	*-44.45*	
26 51 19 00-0551	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	327.64	61.83
		For >50 To 100, Deduct	*-10.77*	
		For >100 To 250, Deduct	*-18.96*	
		For >250 To 500, Deduct	*-32.76*	
		For >500, Deduct	*-46.57*	
26 51 19 00-0552	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	346.49	61.83
		For >50 To 100, Deduct	*-11.24*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-34.65*	
		For >500, Deduct	*-49.40*	
26 51 19 00-0553	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	458.63	77.29
		For >50 To 100, Deduct	*-14.69*	
		For >100 To 250, Deduct	*-26.15*	
		For >250 To 500, Deduct	*-45.86*	
		For >500, Deduct	*-65.57*	
26 51 19 00-0554	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	493.19	77.29
		For >50 To 100, Deduct	*-15.55*	
		For >100 To 250, Deduct	*-27.88*	
		For >250 To 500, Deduct	*-49.32*	
		For >500, Deduct	*-70.76*	
26 51 19 00-0555	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	565.43	77.29
		For >50 To 100, Deduct	*-17.36*	
		For >100 To 250, Deduct	*-31.49*	
		For >250 To 500, Deduct	*-56.54*	
		For >500, Deduct	*-81.59*	
26 51 19 00-0556	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	584.28	77.29
		For >50 To 100, Deduct	*-17.83*	
		For >100 To 250, Deduct	*-32.43*	
		For >250 To 500, Deduct	*-58.43*	
		For >500, Deduct	*-84.42*	

26 51 19 00-0557 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0545)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0558	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	635.48	61.83
		For >50 To 100, Deduct	*-18.46*	
		For >100 To 250, Deduct	*-34.35*	
		For >250 To 500, Deduct	*-63.55*	
		For >500, Deduct	*-92.75*	
26 51 19 00-0559	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	714.01	61.83
		For >50 To 100, Deduct	*-20.43*	
		For >100 To 250, Deduct	*-38.28*	
		For >250 To 500, Deduct	*-71.40*	
		For >500, Deduct	*-104.53*	

26 51 19 00-0560 LED Low Bay Fixtures (CREE® CS) *(26 51 19 00-0545)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0561	EA	4,000 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture (Cree® CS14™)	620.66	61.83
		For >50 To 100, Deduct	*-18.09*	
		For >100 To 250, Deduct	*-33.61*	
		For >250 To 500, Deduct	*-62.07*	
		For >500, Deduct	*-90.52*	
26 51 19 00-0562	EA	2,200 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™)	468.90	61.83
		For >50 To 100, Deduct	*-14.30*	
		For >100 To 250, Deduct	*-26.02*	
		For >250 To 500, Deduct	*-46.89*	
		For >500, Deduct	*-67.76*	
26 51 19 00-0563	EA	3,800 Lumens, 4' Length, LED Low Bay Fixture, 0-10V Dimming (Cree® CS14™)	555.76	61.83
		For >50 To 100, Deduct	*-16.47*	
		For >100 To 250, Deduct	*-30.36*	
		For >250 To 500, Deduct	*-55.58*	
		For >500, Deduct	*-80.79*	
26 51 19 00-0564	EA	4,400 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	673.90	77.29
		For >50 To 100, Deduct	*-20.07*	
		For >100 To 250, Deduct	*-36.92*	
		For >250 To 500, Deduct	*-67.39*	
		For >500, Deduct	*-97.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0565	EA	7,500 Lumens, 8' Length, LED Low Bay Fixture (Cree® CS18™)	770.22	77.29
		For >50 To 100, Deduct	*-22.48*	
		For >100 To 250, Deduct	*-41.73*	
		For >250 To 500, Deduct	*-77.02*	
		For >500, Deduct	*-112.31*	
26 51 19 00-0566	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® CS18™)	975.32	77.29
		For >50 To 100, Deduct	*-27.60*	
		For >100 To 250, Deduct	*-51.99*	
		For >250 To 500, Deduct	*-97.53*	
		For >500, Deduct	*-143.08*	
26 51 19 00-0567	EA	4,000 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-40LHE™)	582.08	61.83
		For >50 To 100, Deduct	*-17.13*	
		For >100 To 250, Deduct	*-31.68*	
		For >250 To 500, Deduct	*-58.21*	
		For >500, Deduct	*-84.74*	
26 51 19 00-0568	EA	3,800 Lumens, 4' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS14-38L™)	629.65	61.83
		For >50 To 100, Deduct	*-18.32*	
		For >100 To 250, Deduct	*-34.06*	
		For >250 To 500, Deduct	*-62.97*	
		For >500, Deduct	*-91.87*	
26 51 19 00-0569	EA	8,000 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-80LHE™)	926.67	77.29
		For >50 To 100, Deduct	*-26.39*	
		For >100 To 250, Deduct	*-49.55*	
		For >250 To 500, Deduct	*-92.67*	
		For >500, Deduct	*-135.78*	
26 51 19 00-0570	EA	7,500 Lumens, 8' Length, High Efficacy, LED Low Bay Fixture, Smartcast Technology (Cree® CS18-75L™)	728.78	77.29
		For >50 To 100, Deduct	*-21.44*	
		For >100 To 250, Deduct	*-39.66*	
		For >250 To 500, Deduct	*-72.88*	
		For >500, Deduct	*-106.10*	

26 51 19 00-0571 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0545)*

26 51 19 00-0572	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	55.97	16.95
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.60*	
		For >500, Deduct	*-7.69*	
26 51 19 00-0573	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	61.52	16.95
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.52*	
26 51 19 00-0574	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	46.72	16.95
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 250, Deduct	*-3.04*	
		For >250 To 500, Deduct	*-4.67*	
		For >500, Deduct	*-6.30*	
26 51 19 00-0575	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	37.49	16.95
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-3.75*	
		For >500, Deduct	*-4.92*	
26 51 19 00-0576	EA	Solid Reflector, Pair (Cree® LS4-SR)	120.63	16.95
		For >50 To 100, Deduct	*-3.72*	
		For >100 To 250, Deduct	*-6.74*	
		For >250 To 500, Deduct	*-12.06*	
		For >500, Deduct	*-17.39*	
26 51 19 00-0577	EA	Solid Reflector, Pair (Cree® LS8-SR)	166.84	16.95
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 250, Deduct	*-9.05*	
		For >250 To 500, Deduct	*-16.68*	
		For >500, Deduct	*-24.32*	
26 51 19 00-0578	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	61.52	16.95
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.52*	
26 51 19 00-0579	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	87.38	16.95
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 250, Deduct	*-5.08*	
		For >250 To 500, Deduct	*-8.74*	
		For >500, Deduct	*-12.40*	
26 51 19 00-0580	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	68.90	16.95
		For >50 To 100, Deduct	*-2.43*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-6.89*	
		For >500, Deduct	*-9.63*	
26 51 19 00-0581	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	92.93	16.95
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-9.29*	
		For >500, Deduct	*-13.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0582	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	98.47	16.95
		For >50 To 100, Deduct	*-3.17*	
		For >100 To 250, Deduct	*-5.63*	
		For >250 To 500, Deduct	*-9.85*	
		For >500, Deduct	*-14.06*	
26 51 19 00-0583	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	83.68	16.95
		For >50 To 100, Deduct	*-2.80*	
		For >100 To 250, Deduct	*-4.89*	
		For >250 To 500, Deduct	*-8.37*	
		For >500, Deduct	*-11.85*	
26 51 19 00-0584	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	126.18	16.95
		For >50 To 100, Deduct	*-3.86*	
		For >100 To 250, Deduct	*-7.02*	
		For >250 To 500, Deduct	*-12.62*	
		For >500, Deduct	*-18.22*	
26 51 19 00-0585	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	65.21	16.95
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.52*	
		For >500, Deduct	*-9.08*	
26 51 19 00-0586	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	79.99	16.95
		For >50 To 100, Deduct	*-2.71*	
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 500, Deduct	*-8.00*	
		For >500, Deduct	*-11.29*	
26 51 19 00-0587	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	61.52	16.95
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.15*	
		For >500, Deduct	*-8.52*	
26 51 19 00-0588	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,216.67	41.22
		For >50 To 100, Deduct	*-31.96*	
		For >100 To 250, Deduct	*-62.38*	
		For >250 To 500, Deduct	*-121.67*	
		For >500, Deduct	*-180.95*	
26 51 19 00-0589	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	431.37	41.22
		For >50 To 100, Deduct	*-12.33*	
		For >100 To 250, Deduct	*-23.11*	
		For >250 To 500, Deduct	*-43.14*	
		For >500, Deduct	*-63.16*	

26 51 19 00-0590 LED Low Bay Fixtures (Everlast LED-MQ) *(26 51 19 00-0538)*

26 51 19 00-0591	EA	4' Length, 36 Watt, LED High Bay Fixture (Everlast EL-LED-MQ)	473.09	61.83
		For >50 To 100, Deduct	*-14.40*	
		For >100 To 250, Deduct	*-26.23*	
		For >250 To 500, Deduct	*-47.31*	
		For >500, Deduct	*-68.39*	
26 51 19 00-0592	EA	8' Length, 72 Watt, LED High Bay Fixture (Everlast EL-LED-MQ)	745.55	77.29
		For >50 To 100, Deduct	*-21.86*	
		For >100 To 250, Deduct	*-40.50*	
		For >250 To 500, Deduct	*-74.56*	
		For >500, Deduct	*-108.61*	

26 51 19 00-0593 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0594 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0593)*

26 51 19 00-0595	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	521.63	113.36
		For >50 To 100, Deduct	*-18.71*	
		For >100 To 250, Deduct	*-31.75*	
		For >250 To 500, Deduct	*-52.16*	
		For >500, Deduct	*-72.58*	
26 51 19 00-0596	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	521.63	113.36
		For >50 To 100, Deduct	*-18.71*	
		For >100 To 250, Deduct	*-31.75*	
		For >250 To 500, Deduct	*-52.16*	
		For >500, Deduct	*-72.58*	
26 51 19 00-0597	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	592.41	113.36
		For >50 To 100, Deduct	*-20.48*	
		For >100 To 250, Deduct	*-35.29*	
		For >250 To 500, Deduct	*-59.24*	
		For >500, Deduct	*-83.19*	
26 51 19 00-0598	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	592.41	113.36
		For >50 To 100, Deduct	*-20.48*	
		For >100 To 250, Deduct	*-35.29*	
		For >250 To 500, Deduct	*-59.24*	
		For >500, Deduct	*-83.19*	
26 51 19 00-0599	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	710.38	113.36
		For >50 To 100, Deduct	*-23.43*	
		For >100 To 250, Deduct	*-41.19*	
		For >250 To 500, Deduct	*-71.04*	
		For >500, Deduct	*-100.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0600	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	710.38	113.36
		For >50 To 100, Deduct	*-23.43*	
		For >100 To 250, Deduct	*-41.19*	
		For >250 To 500, Deduct	*-71.04*	
		For >500, Deduct	*-100.89*	
26 51 19 00-0601	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	757.56	113.36
		For >50 To 100, Deduct	*-24.61*	
		For >100 To 250, Deduct	*-43.55*	
		For >250 To 500, Deduct	*-75.76*	
		For >500, Deduct	*-107.97*	
26 51 19 00-0602	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	757.56	113.36
		For >50 To 100, Deduct	*-24.61*	
		For >100 To 250, Deduct	*-43.55*	
		For >250 To 500, Deduct	*-75.76*	
		For >500, Deduct	*-107.97*	
26 51 19 00-0603	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	792.95	113.36
		For >50 To 100, Deduct	*-25.49*	
		For >100 To 250, Deduct	*-45.32*	
		For >250 To 500, Deduct	*-79.30*	
		For >500, Deduct	*-113.27*	
26 51 19 00-0604	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	792.95	113.36
		For >50 To 100, Deduct	*-25.49*	
		For >100 To 250, Deduct	*-45.32*	
		For >250 To 500, Deduct	*-79.30*	
		For >500, Deduct	*-113.27*	

26 51 19 00-0605 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0593)*

26 51 19 00-0606	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	446.38	111.29
		For >50 To 100, Deduct	*-15.39*	
		For >100 To 250, Deduct	*-26.55*	
		For >250 To 500, Deduct	*-44.64*	
		For >500, Deduct	*-62.72*	
26 51 19 00-0607	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	465.17	111.29
		For >50 To 100, Deduct	*-15.86*	
		For >100 To 250, Deduct	*-27.49*	
		For >250 To 500, Deduct	*-46.52*	
		For >500, Deduct	*-65.54*	
26 51 19 00-0608	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	507.45	111.29
		For >50 To 100, Deduct	*-16.92*	
		For >100 To 250, Deduct	*-29.61*	
		For >250 To 500, Deduct	*-50.75*	
		For >500, Deduct	*-71.88*	
26 51 19 00-0609	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	574.19	111.29
		For >50 To 100, Deduct	*-18.59*	
		For >100 To 250, Deduct	*-32.94*	
		For >250 To 500, Deduct	*-57.42*	
		For >500, Deduct	*-81.90*	
26 51 19 00-0610	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	628.54	111.29
		For >50 To 100, Deduct	*-19.95*	
		For >100 To 250, Deduct	*-35.66*	
		For >250 To 500, Deduct	*-62.85*	
		For >500, Deduct	*-90.05*	
26 51 19 00-0611	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	756.29	111.29
		For >50 To 100, Deduct	*-23.14*	
		For >100 To 250, Deduct	*-42.05*	
		For >250 To 500, Deduct	*-75.63*	
		For >500, Deduct	*-109.21*	
26 51 19 00-0612	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	919.38	111.29
		For >50 To 100, Deduct	*-27.22*	
		For >100 To 250, Deduct	*-50.20*	
		For >250 To 500, Deduct	*-91.94*	
		For >500, Deduct	*-133.67*	
26 51 19 00-0613	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,328.35	113.36
		For >50 To 100, Deduct	*-38.88*	
		For >100 To 250, Deduct	*-72.09*	
		For >250 To 500, Deduct	*-132.84*	
		For >500, Deduct	*-193.58*	

26 51 19 00-0614 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0593)*

26 51 19 00-0615	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	672.61	113.36
		For >50 To 100, Deduct	*-22.48*	
		For >100 To 250, Deduct	*-39.30*	
		For >250 To 500, Deduct	*-67.26*	
		For >500, Deduct	*-95.22*	
26 51 19 00-0616	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	731.59	113.36
		For >50 To 100, Deduct	*-23.96*	
		For >100 To 250, Deduct	*-42.25*	
		For >250 To 500, Deduct	*-73.16*	
		For >500, Deduct	*-104.07*	
26 51 19 00-0617	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	890.85	113.36
		For >50 To 100, Deduct	*-27.94*	
		For >100 To 250, Deduct	*-50.21*	
		For >250 To 500, Deduct	*-89.09*	
		For >500, Deduct	*-127.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0618	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	954.55	113.36
		For >50 To 100, Deduct	*-29.53*	
		For >100 To 250, Deduct	*-53.40*	
		For >250 To 500, Deduct	*-95.46*	
		For >500, Deduct	*-137.51*	

26 51 19 00-0619 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0593)*

26 51 19 00-0620	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	749.56	113.36
		For >50 To 100, Deduct	*-24.41*	
		For >100 To 250, Deduct	*-43.15*	
		For >250 To 500, Deduct	*-74.96*	
		For >500, Deduct	*-106.77*	
26 51 19 00-0621	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	770.10	113.36
		For >50 To 100, Deduct	*-24.92*	
		For >100 To 250, Deduct	*-44.17*	
		For >250 To 500, Deduct	*-77.01*	
		For >500, Deduct	*-109.85*	
26 51 19 00-0622	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	778.37	113.36
		For >50 To 100, Deduct	*-25.13*	
		For >100 To 250, Deduct	*-44.59*	
		For >250 To 500, Deduct	*-77.84*	
		For >500, Deduct	*-111.09*	
26 51 19 00-0623	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	857.13	113.36
		For >50 To 100, Deduct	*-27.10*	
		For >100 To 250, Deduct	*-48.52*	
		For >250 To 500, Deduct	*-85.71*	
		For >500, Deduct	*-122.90*	
26 51 19 00-0624	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	948.87	113.36
		For >50 To 100, Deduct	*-29.39*	
		For >100 To 250, Deduct	*-53.11*	
		For >250 To 500, Deduct	*-94.89*	
		For >500, Deduct	*-136.66*	
26 51 19 00-0625	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	983.29	113.36
		For >50 To 100, Deduct	*-30.25*	
		For >100 To 250, Deduct	*-54.83*	
		For >250 To 500, Deduct	*-98.33*	
		For >500, Deduct	*-141.83*	

26 51 19 00-0626 LED High Bay Fixtures (Neptun LED) *(26 51 19 00-0593)*

26 51 19 00-0627	EA	2" Diameter, 13,100 Lumens, Bi-Level Dimming, LED High Bay Fixture With Motion Sensor (Neptun LED-19150)	926.93	113.36
		For >50 To 100, Deduct	*-28.84*	
		For >100 To 250, Deduct	*-52.01*	
		For >250 To 500, Deduct	*-92.69*	
		For >500, Deduct	*-133.37*	

26 51 19 00-0628 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0593)*

26 51 19 00-0629 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0628)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0630	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	962.31	113.36
		For >50 To 100, Deduct	*-29.73*	
		For >100 To 250, Deduct	*-53.78*	
		For >250 To 500, Deduct	*-96.23*	
		For >500, Deduct	*-138.68*	
26 51 19 00-0631	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,087.90	113.36
		For >50 To 100, Deduct	*-32.87*	
		For >100 To 250, Deduct	*-60.06*	
		For >250 To 500, Deduct	*-108.79*	
		For >500, Deduct	*-157.52*	
26 51 19 00-0632	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,269.56	113.36
		For >50 To 100, Deduct	*-37.41*	
		For >100 To 250, Deduct	*-69.15*	
		For >250 To 500, Deduct	*-126.96*	
		For >500, Deduct	*-184.77*	
26 51 19 00-0633	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,446.74	113.36
		For >50 To 100, Deduct	*-41.84*	
		For >100 To 250, Deduct	*-78.00*	
		For >250 To 500, Deduct	*-144.67*	
		For >500, Deduct	*-211.34*	

26 51 19 00-0634 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0628)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0635	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,052.02	113.36
		For 480 Volt, Add	*62.90*	
		For >50 To 100, Deduct	*-31.97*	
		For >100 To 250, Deduct	*-58.27*	
		For >250 To 500, Deduct	*-105.20*	
		For >500, Deduct	*-152.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0636	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,489.35	113.36
		For 480 Volt, Add	*79.70*	
		For >50 To 100, Deduct	*-42.90*	
		For >100 To 250, Deduct	*-80.14*	
		For >250 To 500, Deduct	*-148.94*	
		For >500, Deduct	*-217.73*	
26 51 19 00-0637	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,693.67	113.36
		For 480 Volt, Add	*126.45*	
		For >50 To 100, Deduct	*-73.01*	
		For >100 To 250, Deduct	*-140.35*	
		For >250 To 500, Deduct	*-269.37*	
		For >500, Deduct	*-398.38*	

26 51 19 00-0638 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0628)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0639	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	816.54	113.36
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-26.08*	
		For >100 To 250, Deduct	*-46.49*	
		For >250 To 500, Deduct	*-81.65*	
		For >500, Deduct	*-116.81*	
26 51 19 00-0640	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	877.09	113.36
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-27.60*	
		For >100 To 250, Deduct	*-49.52*	
		For >250 To 500, Deduct	*-87.71*	
		For >500, Deduct	*-125.90*	
26 51 19 00-0641	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,085.66	113.36
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-32.81*	
		For >100 To 250, Deduct	*-59.95*	
		For >250 To 500, Deduct	*-108.57*	
		For >500, Deduct	*-157.18*	
26 51 19 00-0642	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,235.92	113.36
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-36.57*	
		For >100 To 250, Deduct	*-67.46*	
		For >250 To 500, Deduct	*-123.59*	
		For >500, Deduct	*-179.72*	
26 51 19 00-0643	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,343.81	113.36
		For >50 To 100, Deduct	*-64.26*	
		For >100 To 250, Deduct	*-122.86*	
		For >250 To 500, Deduct	*-234.38*	
		For >500, Deduct	*-345.90*	
26 51 19 00-0644	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,541.17	113.36
		For >50 To 100, Deduct	*-69.20*	
		For >100 To 250, Deduct	*-132.73*	
		For >250 To 500, Deduct	*-254.12*	
		For >500, Deduct	*-375.51*	
26 51 19 00-0645	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,899.78	113.36
		For >50 To 100, Deduct	*-103.16*	
		For >100 To 250, Deduct	*-200.66*	
		For >250 To 500, Deduct	*-389.98*	
		For >500, Deduct	*-579.30*	

26 51 19 00-0646 LED High Bay Fixtures (Cree) *(26 51 19 00-0593)*

26 51 19 00-0647 LED High Bay Fixtures (CREE®) *(26 51 19 00-0646)*

26 51 19 00-0648	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	759.14	113.36
		For >50 To 100, Deduct	*-24.65*	
		For >100 To 250, Deduct	*-43.62*	
		For >250 To 500, Deduct	*-75.91*	
		For >500, Deduct	*-108.20*	
26 51 19 00-0649	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	910.37	113.36
		For >50 To 100, Deduct	*-28.43*	
		For >100 To 250, Deduct	*-51.19*	
		For >250 To 500, Deduct	*-91.04*	
		For >500, Deduct	*-130.89*	
26 51 19 00-0650	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	836.48	113.36
		For >50 To 100, Deduct	*-26.58*	
		For >100 To 250, Deduct	*-47.49*	
		For >250 To 500, Deduct	*-83.65*	
		For >500, Deduct	*-119.80*	
26 51 19 00-0651	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	956.58	113.36
		For >50 To 100, Deduct	*-29.58*	
		For >100 To 250, Deduct	*-53.50*	
		For >250 To 500, Deduct	*-95.66*	
		For >500, Deduct	*-137.82*	
26 51 19 00-0652	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	785.84	113.36
		For >50 To 100, Deduct	*-25.31*	
		For >100 To 250, Deduct	*-44.96*	
		For >250 To 500, Deduct	*-78.58*	
		For >500, Deduct	*-112.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0653	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	938.09	113.36
		For >50 To 100, Deduct	*-29.12*	
		For >100 To 250, Deduct	*-52.57*	
		For >250 To 500, Deduct	*-93.81*	
		For >500, Deduct	*-135.05*	
26 51 19 00-0654	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	864.18	113.36
		For >50 To 100, Deduct	*-27.27*	
		For >100 To 250, Deduct	*-48.88*	
		For >250 To 500, Deduct	*-86.42*	
		For >500, Deduct	*-123.96*	
26 51 19 00-0655	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	984.28	113.36
		For >50 To 100, Deduct	*-30.27*	
		For >100 To 250, Deduct	*-54.88*	
		For >250 To 500, Deduct	*-98.43*	
		For >500, Deduct	*-141.97*	

26 51 19 00-0656 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0646)*

26 51 19 00-0657	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	55.97	16.95
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.60*	
		For >500, Deduct	*-7.69*	
26 51 19 00-0658	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	55.97	16.95
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.60*	
		For >500, Deduct	*-7.69*	
26 51 19 00-0659	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	74.44	16.95
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-7.44*	
		For >500, Deduct	*-10.46*	
26 51 19 00-0660	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	111.40	16.95
		For >50 To 100, Deduct	*-3.49*	
		For >100 To 250, Deduct	*-6.28*	
		For >250 To 500, Deduct	*-11.14*	
		For >500, Deduct	*-16.00*	
26 51 19 00-0661	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	129.88	16.95
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 250, Deduct	*-7.20*	
		For >250 To 500, Deduct	*-12.99*	
		For >500, Deduct	*-18.78*	
26 51 19 00-0662	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	74.44	16.95
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.43*	
		For >250 To 500, Deduct	*-7.44*	
		For >500, Deduct	*-10.46*	
26 51 19 00-0663	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	76.29	16.95
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.63*	
		For >500, Deduct	*-10.74*	
26 51 19 00-0664	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	55.97	16.95
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-5.60*	
		For >500, Deduct	*-7.69*	
26 51 19 00-0665	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	59.66	16.95
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 250, Deduct	*-3.69*	
		For >250 To 500, Deduct	*-5.97*	
		For >500, Deduct	*-8.24*	
26 51 19 00-0666	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	39.34	16.95
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-3.93*	
		For >500, Deduct	*-5.19*	
26 51 19 00-0667	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	41.19	16.95
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.12*	
		For >500, Deduct	*-5.47*	

26 51 19 00-0668 LED High Bay Fixtures (DLE) *(26 51 19 00-0593)*

26 51 19 00-0669	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,480.38	113.36
		For >50 To 100, Deduct	*-42.68*	
		For >100 To 250, Deduct	*-79.69*	
		For >250 To 500, Deduct	*-148.04*	
		For >500, Deduct	*-216.39*	
26 51 19 00-0670	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,825.75	113.36
		For >50 To 100, Deduct	*-51.31*	
		For >100 To 250, Deduct	*-96.96*	
		For >250 To 500, Deduct	*-182.58*	
		For >500, Deduct	*-268.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0671	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,146.46	113.36
		For >50 To 100, Deduct	*-59.33*	
		For >100 To 250, Deduct	*-112.99*	
		For >250 To 500, Deduct	*-214.65*	
		For >500, Deduct	*-316.30*	

26 51 19 00-0672 LED High Bay Fixtures (Everlast) *(26 51 19 00-0593)*

26 51 19 00-0673 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0672)*

26 51 19 00-0674	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	989.23	113.36
		For >50 To 100, Deduct	*-30.40*	
		For >100 To 250, Deduct	*-55.13*	
		For >250 To 500, Deduct	*-98.92*	
		For >500, Deduct	*-142.72*	
26 51 19 00-0675	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,047.54	113.36
		For >50 To 100, Deduct	*-31.86*	
		For >100 To 250, Deduct	*-58.04*	
		For >250 To 500, Deduct	*-104.75*	
		For >500, Deduct	*-151.46*	
26 51 19 00-0676	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	930.92	113.36
		For >50 To 100, Deduct	*-28.94*	
		For >100 To 250, Deduct	*-52.21*	
		For >250 To 500, Deduct	*-93.09*	
		For >500, Deduct	*-133.97*	
26 51 19 00-0677	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	955.59	113.36
		For >50 To 100, Deduct	*-29.56*	
		For >100 To 250, Deduct	*-53.45*	
		For >250 To 500, Deduct	*-95.56*	
		For >500, Deduct	*-137.67*	
26 51 19 00-0678	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,090.15	113.36
		For >50 To 100, Deduct	*-32.92*	
		For >100 To 250, Deduct	*-60.18*	
		For >250 To 500, Deduct	*-109.02*	
		For >500, Deduct	*-157.85*	
26 51 19 00-0679	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,191.07	113.36
		For >50 To 100, Deduct	*-35.44*	
		For >100 To 250, Deduct	*-65.22*	
		For >250 To 500, Deduct	*-119.11*	
		For >500, Deduct	*-172.99*	
26 51 19 00-0680	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	1,036.32	113.36
		For >50 To 100, Deduct	*-31.58*	
		For >100 To 250, Deduct	*-57.48*	
		For >250 To 500, Deduct	*-103.63*	
		For >500, Deduct	*-149.78*	
26 51 19 00-0681	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,123.79	113.36
		For >50 To 100, Deduct	*-33.76*	
		For >100 To 250, Deduct	*-61.86*	
		For >250 To 500, Deduct	*-112.38*	
		For >500, Deduct	*-162.90*	
26 51 19 00-0682	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,650.82	113.36
		For >50 To 100, Deduct	*-46.94*	
		For >100 To 250, Deduct	*-88.21*	
		For >250 To 500, Deduct	*-165.08*	
		For >500, Deduct	*-241.96*	
26 51 19 00-0683	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,807.81	113.36
		For >50 To 100, Deduct	*-50.86*	
		For >100 To 250, Deduct	*-96.06*	
		For >250 To 500, Deduct	*-180.78*	
		For >500, Deduct	*-265.50*	
26 51 19 00-0684	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,256.35	113.36
		For >50 To 100, Deduct	*-62.08*	
		For >100 To 250, Deduct	*-118.49*	
		For >250 To 500, Deduct	*-225.64*	
		For >500, Deduct	*-332.78*	

26 51 19 00-0685 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0672)*

26 51 19 00-0686	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	607.97	113.36
		For >50 To 100, Deduct	*-20.87*	
		For >100 To 250, Deduct	*-36.07*	
		For >250 To 500, Deduct	*-60.80*	
		For >500, Deduct	*-85.53*	
26 51 19 00-0687	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	910.73	113.36
		For >50 To 100, Deduct	*-28.44*	
		For >100 To 250, Deduct	*-51.20*	
		For >250 To 500, Deduct	*-91.07*	
		For >500, Deduct	*-130.94*	
26 51 19 00-0688	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,045.29	113.36
		For >50 To 100, Deduct	*-31.80*	
		For >100 To 250, Deduct	*-57.93*	
		For >250 To 500, Deduct	*-104.53*	
		For >500, Deduct	*-151.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0689	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,202.28	113.36
		For >50 To 100, Deduct	*-35.72*	
		For >100 To 250, Deduct	*-65.78*	
		For >250 To 500, Deduct	*-120.23*	
		For >500, Deduct	*-174.67*	
26 51 19 00-0690	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,303.20	113.36
		For >50 To 100, Deduct	*-38.25*	
		For >100 To 250, Deduct	*-70.83*	
		For >250 To 500, Deduct	*-130.32*	
		For >500, Deduct	*-189.81*	

26 51 19 00-0691 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0672)*

26 51 19 00-0692	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	809.81	113.36
		For >50 To 100, Deduct	*-25.91*	
		For >100 To 250, Deduct	*-46.16*	
		For >250 To 500, Deduct	*-80.98*	
		For >500, Deduct	*-115.80*	
26 51 19 00-0693	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	865.88	113.36
		For >50 To 100, Deduct	*-27.31*	
		For >100 To 250, Deduct	*-48.96*	
		For >250 To 500, Deduct	*-86.59*	
		For >500, Deduct	*-124.21*	
26 51 19 00-0694	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	944.37	113.36
		For >50 To 100, Deduct	*-29.28*	
		For >100 To 250, Deduct	*-52.89*	
		For >250 To 500, Deduct	*-94.44*	
		For >500, Deduct	*-135.99*	

26 51 19 00-0695 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0672)*

26 51 19 00-0696	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	823.27	113.36
		For >50 To 100, Deduct	*-26.25*	
		For >100 To 250, Deduct	*-46.83*	
		For >250 To 500, Deduct	*-82.33*	
		For >500, Deduct	*-117.82*	
26 51 19 00-0697	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,022.87	113.36
		For >50 To 100, Deduct	*-31.24*	
		For >100 To 250, Deduct	*-56.81*	
		For >250 To 500, Deduct	*-102.29*	
		For >500, Deduct	*-147.76*	
26 51 19 00-0698	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,280.78	113.36
		For >50 To 100, Deduct	*-37.69*	
		For >100 To 250, Deduct	*-69.71*	
		For >250 To 500, Deduct	*-128.08*	
		For >500, Deduct	*-186.45*	

26 51 19 00-0699 Linear LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0700 Wet Location, Linear LED Fixtures (Cree WS4) *(26 51 19 00-0699)*

26 51 19 00-0701	EA	4' Length, 4,700 Lumens, 50 Watt, Wet Location, Linear LED Fixture (Cree WS4)	585.25	61.83
		For >50 To 100, Deduct	*-17.21*	
		For >100 To 250, Deduct	*-31.84*	
		For >250 To 500, Deduct	*-58.53*	
		For >500, Deduct	*-85.21*	
26 51 19 00-0702	EA	4' Length, 5,000 Lumens, 51 Watt, Wet Location, Linear LED Fixture (Cree WS4)	634.77	61.83
		For >50 To 100, Deduct	*-18.45*	
		For >100 To 250, Deduct	*-34.31*	
		For >250 To 500, Deduct	*-63.48*	
		For >500, Deduct	*-92.64*	
26 51 19 00-0703	EA	4' Length, 5,900 Lumens, 63 Watt, Wet Location, Linear LED Fixture (Cree WS4)	663.45	61.83
		For >50 To 100, Deduct	*-19.16*	
		For >100 To 250, Deduct	*-35.75*	
		For >250 To 500, Deduct	*-66.35*	
		For >500, Deduct	*-96.94*	
26 51 19 00-0704	EA	4' Length, 6,300 Lumens, 64 Watt, Wet Location, Linear LED Fixture (Cree WS4)	663.45	61.83
		For >50 To 100, Deduct	*-19.16*	
		For >100 To 250, Deduct	*-35.75*	
		For >250 To 500, Deduct	*-66.35*	
		For >500, Deduct	*-96.94*	

26 51 19 00-0705 Wall Washers LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0706 LED Wall Washers (GE Lumination™ LW Series) *(26 51 19 00-0705)*

26 51 19 00-0707	EA	4' Length, 5 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	670.14	61.83
		For >50 To 100, Deduct	*-19.33*	
		For >100 To 250, Deduct	*-36.08*	
		For >250 To 500, Deduct	*-67.01*	
		For >500, Deduct	*-97.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0708	EA	4' Length, 8 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	857.81	61.83
		For >50 To 100, Deduct	*-24.02*	
		For >100 To 250, Deduct	*-45.47*	
		For >250 To 500, Deduct	*-85.78*	
		For >500, Deduct	*-126.10*	
26 51 19 00-0709	EA	8' Length, 5 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	1,262.99	77.29
		For >50 To 100, Deduct	*-34.80*	
		For >100 To 250, Deduct	*-66.37*	
		For >250 To 500, Deduct	*-126.30*	
		For >500, Deduct	*-186.23*	
26 51 19 00-0710	EA	8' Length, 8 Watt, 30° x 80° Lens, LED Wall Washer Light Fixture (GE Lumination™ LW Series)	1,638.32	77.29
		For >50 To 100, Deduct	*-44.18*	
		For >100 To 250, Deduct	*-85.14*	
		For >250 To 500, Deduct	*-163.83*	
		For >500, Deduct	*-242.53*	
26 51 19 00-0711	EA	120" Leader Cable (GE LLWB-LC2-120)	151.32	5.64
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-8.13*	
		For >250 To 500, Deduct	*-15.13*	
		For >500, Deduct	*-22.13*	
26 51 19 00-0712	EA	48" Jumper Cable (GE LLWB-JC2-48)	153.93	5.64
		For >50 To 100, Deduct	*-4.41*	
		For >100 To 250, Deduct	*-8.26*	
		For >250 To 500, Deduct	*-15.39*	
		For >500, Deduct	*-22.53*	
26 51 19 00-0713	EA	10 Pack, 48" Mounting Track (GE LWW1-MT48/0)	94.72	31.59
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-5.98*	
		For >250 To 500, Deduct	*-9.47*	
		For >500, Deduct	*-12.97*	

26 51 19 00-0714 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0715 Wet Location, LED Fixtures *(26 51 19 00-0714)*

26 51 19 00-0716 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0715)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0717	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	4,268.18	86.57
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-110.31*	
		For >100 To 250, Deduct	*-217.02*	
		For >250 To 500, Deduct	*-426.82*	
		For >500, Deduct	*-636.62*	
26 51 19 00-0718	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	4,343.71	92.74
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-112.46*	
		For >100 To 250, Deduct	*-221.05*	
		For >250 To 500, Deduct	*-434.37*	
		For >500, Deduct	*-647.69*	
26 51 19 00-0719	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,915.61	98.93
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-127.01*	
		For >100 To 250, Deduct	*-249.90*	
		For >250 To 500, Deduct	*-491.56*	
		For >500, Deduct	*-733.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0720	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,943.05	105.12
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-152.96*	
		For >100 To 250, Deduct	*-301.53*	
		For >250 To 500, Deduct	*-594.31*	
		For >500, Deduct	*-887.08*	
26 51 19 00-0721	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	7,621.20	111.29
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-195.17*	
		For >100 To 250, Deduct	*-385.70*	
		For >250 To 500, Deduct	*-762.12*	
		For >500, Deduct	*-1,138.54*	
26 51 19 00-0722	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	10,085.83	114.38
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-256.91*	
		For >100 To 250, Deduct	*-509.06*	
		For >250 To 500, Deduct	*-1,008.58*	
		For >500, Deduct	*-1,508.11*	
26 51 19 00-0723	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	11,708.35	117.48
		For Ceiling Mount, Add	*38.60*	
		For Quick Clip Mounting Option, Add	*56.75*	
		For Frosted Lens, Add	*122.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For Stanchion Mount, Add	*263.32*	
		For Wall Mount, Add	*291.47*	
		For Polycarbonate Lens, Add	*226.21*	
		For Teflon Coated Lens, Add	*259.04*	
		For 480 Volt, Add	*370.05*	
		For >50 To 100, Deduct	*-297.60*	
		For >100 To 250, Deduct	*-590.31*	
		For >250 To 500, Deduct	*-1,170.84*	
		For >500, Deduct	*-1,751.36*	

26 51 19 00-0724 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0715)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0725	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,820.75	92.74
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-99.38*	
		For >100 To 250, Deduct	*-194.90*	
		For >250 To 500, Deduct	*-382.08*	
		For >500, Deduct	*-569.25*	
26 51 19 00-0726	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	5,707.99	98.93
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-146.82*	
		For >100 To 250, Deduct	*-289.52*	
		For >250 To 500, Deduct	*-570.80*	
		For >500, Deduct	*-852.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0727	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	6,301.66	105.12
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-161.92*	
		For >100 To 250, Deduct	*-319.46*	
		For >250 To 500, Deduct	*-630.17*	
		For >500, Deduct	*-940.87*	
26 51 19 00-0728	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	7,252.79	111.29
		For Bolt-On Visor, Add	*210.13*	
		For Bolt-On Wire Guard, Add	*432.21*	
		For 480 Volt, Add	*370.05*	
		For Warm White Color Rendering, Add	*157.11*	
		For >50 To 100, Deduct	*-185.96*	
		For >100 To 250, Deduct	*-367.28*	
		For >250 To 500, Deduct	*-725.28*	
		For >500, Deduct	*-1,083.28*	

26 51 19 00-0729 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0715)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0730	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,608.68	86.57
		For 12/24 Volt DC Driver, Add	*59.72*	
		For Frosted Lens, Add	*122.05*	
		For 55 Degree Ambient Suitability (AC Only), Add	*81.31*	
		For Warm White Color Rendering, Add	*157.11*	
		For Ceiling Mount, Add	*185.54*	
		For Wall Mount, Add	*269.09*	
		For Teflon Coated Lens, Add	*259.04*	
		For Wall Mount With Junction Box, Add	*390.90*	
		For >50 To 100, Deduct	*-68.82*	
		For >100 To 250, Deduct	*-134.04*	
		For >250 To 500, Deduct	*-260.87*	
		For >500, Deduct	*-387.70*	

26 51 19 00-0731 Vaportight, LED Fixtures *(26 51 19 00-0714)*

26 51 19 00-0732 General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0731)*

26 51 19 00-0733	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	336.34	49.47
		For >50 To 100, Deduct	*-10.47*	
		For >100 To 250, Deduct	*-18.88*	
		For >250 To 500, Deduct	*-33.63*	
		For >500, Deduct	*-48.39*	
26 51 19 00-0734	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	351.52	49.47
		For >50 To 100, Deduct	*-10.85*	
		For >100 To 250, Deduct	*-19.64*	
		For >250 To 500, Deduct	*-35.15*	
		For >500, Deduct	*-50.67*	
26 51 19 00-0735	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	381.90	49.47
		For >50 To 100, Deduct	*-11.61*	
		For >100 To 250, Deduct	*-21.16*	
		For >250 To 500, Deduct	*-38.19*	
		For >500, Deduct	*-55.22*	
26 51 19 00-0736	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	336.05	61.83
		For >50 To 100, Deduct	*-10.98*	
		For >100 To 250, Deduct	*-19.38*	
		For >250 To 500, Deduct	*-33.61*	
		For >500, Deduct	*-47.83*	
26 51 19 00-0737	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	379.61	61.83
		For >50 To 100, Deduct	*-12.07*	
		For >100 To 250, Deduct	*-21.56*	
		For >250 To 500, Deduct	*-37.96*	
		For >500, Deduct	*-54.37*	
26 51 19 00-0738	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	539.17	61.83
		For >50 To 100, Deduct	*-16.06*	
		For >100 To 250, Deduct	*-29.53*	
		For >250 To 500, Deduct	*-53.92*	
		For >500, Deduct	*-78.30*	

26 51 19 00-0739 Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0731)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 51 19 00-0740	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	366.71	49.47
			For >50 To 100, Deduct	*-11.23*	
			For >100 To 250, Deduct	*-20.40*	
			For >250 To 500, Deduct	*-36.67*	
			For >500, Deduct	*-52.95*	
	26 51 19 00-0741	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	381.90	49.47
			For >50 To 100, Deduct	*-11.61*	
			For >100 To 250, Deduct	*-21.16*	
			For >250 To 500, Deduct	*-38.19*	
			For >500, Deduct	*-55.22*	
	26 51 19 00-0742	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	412.27	49.47
			For >50 To 100, Deduct	*-12.37*	
			For >100 To 250, Deduct	*-22.67*	
			For >250 To 500, Deduct	*-41.23*	
			For >500, Deduct	*-59.78*	
	26 51 19 00-0743	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	478.44	61.83
			For >50 To 100, Deduct	*-14.54*	
			For >100 To 250, Deduct	*-26.50*	
			For >250 To 500, Deduct	*-47.84*	
			For >500, Deduct	*-69.19*	
	26 51 19 00-0744	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	539.17	61.83
			For >50 To 100, Deduct	*-16.06*	
			For >100 To 250, Deduct	*-29.53*	
			For >250 To 500, Deduct	*-53.92*	
			For >500, Deduct	*-78.30*	
	26 51 19 00-0745	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	599.92	61.83
			For >50 To 100, Deduct	*-17.57*	
			For >100 To 250, Deduct	*-32.57*	
			For >250 To 500, Deduct	*-59.99*	
			For >500, Deduct	*-87.41*	

26 51 19 00-0746 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0731)*

	26 51 19 00-0747	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	366.71	49.47
			For >50 To 100, Deduct	*-11.23*	
			For >100 To 250, Deduct	*-20.40*	
			For >250 To 500, Deduct	*-36.67*	
			For >500, Deduct	*-52.95*	
	26 51 19 00-0748	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	383.06	49.47
			For >50 To 100, Deduct	*-11.64*	
			For >100 To 250, Deduct	*-21.21*	
			For >250 To 500, Deduct	*-38.31*	
			For >500, Deduct	*-55.40*	
	26 51 19 00-0749	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	412.27	49.47
			For >50 To 100, Deduct	*-12.37*	
			For >100 To 250, Deduct	*-22.67*	
			For >250 To 500, Deduct	*-41.23*	
			For >500, Deduct	*-59.78*	
	26 51 19 00-0750	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	478.44	61.83
			For >50 To 100, Deduct	*-14.54*	
			For >100 To 250, Deduct	*-26.50*	
			For >250 To 500, Deduct	*-47.84*	
			For >500, Deduct	*-69.19*	
	26 51 19 00-0751	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	539.17	61.83
			For >50 To 100, Deduct	*-16.06*	
			For >100 To 250, Deduct	*-29.53*	
			For >250 To 500, Deduct	*-53.92*	
			For >500, Deduct	*-78.30*	
	26 51 19 00-0752	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	599.92	61.83
			For >50 To 100, Deduct	*-17.57*	
			For >100 To 250, Deduct	*-32.57*	
			For >250 To 500, Deduct	*-59.99*	
			For >500, Deduct	*-87.41*	

26 51 19 00-0753 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0754 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0753)*

	26 51 19 00-0755	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	125.10	41.22
			For >50 To 100, Deduct	*-4.67*	
			For >100 To 250, Deduct	*-7.80*	
			For >250 To 500, Deduct	*-12.51*	
			For >500, Deduct	*-17.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0756	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	131.38	41.22
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 500, Deduct	*-13.14*	
		For >500, Deduct	*-18.16*	
26 51 19 00-0757	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	137.67	41.22
		For >50 To 100, Deduct	*-4.99*	
		For >100 To 250, Deduct	*-8.43*	
		For >250 To 500, Deduct	*-13.77*	
		For >500, Deduct	*-19.10*	
26 51 19 00-0758	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	143.95	41.22
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-14.40*	
		For >500, Deduct	*-20.05*	
26 51 19 00-0759	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	137.80	45.34
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 250, Deduct	*-8.59*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-18.97*	
26 51 19 00-0760	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	144.08	45.34
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.90*	
		For >250 To 500, Deduct	*-14.41*	
		For >500, Deduct	*-19.91*	
26 51 19 00-0761	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	150.36	45.34
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.22*	
		For >250 To 500, Deduct	*-15.04*	
		For >500, Deduct	*-20.85*	
26 51 19 00-0762	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	156.64	45.34
		For >50 To 100, Deduct	*-5.62*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.66*	
		For >500, Deduct	*-21.80*	
26 51 19 00-0763	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	169.21	45.34
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-10.16*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.68*	
26 51 19 00-0764	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	125.10	41.22
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.51*	
		For >500, Deduct	*-17.22*	
26 51 19 00-0765	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	131.38	41.22
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 500, Deduct	*-13.14*	
		For >500, Deduct	*-18.16*	
26 51 19 00-0766	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	137.66	41.22
		For >50 To 100, Deduct	*-4.99*	
		For >100 To 250, Deduct	*-8.43*	
		For >250 To 500, Deduct	*-13.77*	
		For >500, Deduct	*-19.10*	
26 51 19 00-0767	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	143.94	41.22
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-14.39*	
		For >500, Deduct	*-20.05*	
26 51 19 00-0768	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	137.80	45.34
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 250, Deduct	*-8.59*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-18.97*	
26 51 19 00-0769	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	144.08	45.34
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.90*	
		For >250 To 500, Deduct	*-14.41*	
		For >500, Deduct	*-19.91*	
26 51 19 00-0770	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	150.36	45.34
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.22*	
		For >250 To 500, Deduct	*-15.04*	
		For >500, Deduct	*-20.85*	
26 51 19 00-0771	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	156.64	45.34
		For >50 To 100, Deduct	*-5.62*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.66*	
		For >500, Deduct	*-21.80*	
26 51 19 00-0772	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-35)	169.21	45.34
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-10.16*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0773	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	125.10	41.22
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.51*	
		For >500, Deduct	*-17.22*	
26 51 19 00-0774	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	131.38	41.22
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 500, Deduct	*-13.14*	
		For >500, Deduct	*-18.16*	
26 51 19 00-0775	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	137.66	41.22
		For >50 To 100, Deduct	*-4.99*	
		For >100 To 250, Deduct	*-8.43*	
		For >250 To 500, Deduct	*-13.77*	
		For >500, Deduct	*-19.10*	
26 51 19 00-0776	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	143.94	41.22
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-14.39*	
		For >500, Deduct	*-20.05*	
26 51 19 00-0777	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	137.80	45.34
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 250, Deduct	*-8.59*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-18.97*	
26 51 19 00-0778	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	144.08	45.34
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.90*	
		For >250 To 500, Deduct	*-14.41*	
		For >500, Deduct	*-19.91*	
26 51 19 00-0779	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	150.36	45.34
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.22*	
		For >250 To 500, Deduct	*-15.04*	
		For >500, Deduct	*-20.85*	
26 51 19 00-0780	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	156.64	45.34
		For >50 To 100, Deduct	*-5.62*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.66*	
		For >500, Deduct	*-21.80*	
26 51 19 00-0781	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	169.21	45.34
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-10.16*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.68*	
26 51 19 00-0782	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	125.10	41.22
		For >50 To 100, Deduct	*-4.67*	
		For >100 To 250, Deduct	*-7.80*	
		For >250 To 500, Deduct	*-12.51*	
		For >500, Deduct	*-17.22*	
26 51 19 00-0783	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	131.38	41.22
		For >50 To 100, Deduct	*-4.83*	
		For >100 To 250, Deduct	*-8.11*	
		For >250 To 500, Deduct	*-13.14*	
		For >500, Deduct	*-18.16*	
26 51 19 00-0784	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	137.66	41.22
		For >50 To 100, Deduct	*-4.99*	
		For >100 To 250, Deduct	*-8.43*	
		For >250 To 500, Deduct	*-13.77*	
		For >500, Deduct	*-19.10*	
26 51 19 00-0785	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	143.94	41.22
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-8.74*	
		For >250 To 500, Deduct	*-14.39*	
		For >500, Deduct	*-20.05*	
26 51 19 00-0786	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	137.80	45.34
		For >50 To 100, Deduct	*-5.15*	
		For >100 To 250, Deduct	*-8.59*	
		For >250 To 500, Deduct	*-13.78*	
		For >500, Deduct	*-18.97*	
26 51 19 00-0787	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	144.08	45.34
		For >50 To 100, Deduct	*-5.30*	
		For >100 To 250, Deduct	*-8.90*	
		For >250 To 500, Deduct	*-14.41*	
		For >500, Deduct	*-19.91*	
26 51 19 00-0788	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	150.36	45.34
		For >50 To 100, Deduct	*-5.46*	
		For >100 To 250, Deduct	*-9.22*	
		For >250 To 500, Deduct	*-15.04*	
		For >500, Deduct	*-20.85*	
26 51 19 00-0789	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	156.64	45.34
		For >50 To 100, Deduct	*-5.62*	
		For >100 To 250, Deduct	*-9.53*	
		For >250 To 500, Deduct	*-15.66*	
		For >500, Deduct	*-21.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0790	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	169.21	45.34
		For >50 To 100, Deduct	*-5.93*	
		For >100 To 250, Deduct	*-10.16*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.68*	
26 51 19 00-0791	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	174.18	48.95
		For >50 To 100, Deduct	*-6.21*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.42*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0792	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	188.45	48.95
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.28*	
		For >250 To 500, Deduct	*-18.85*	
		For >500, Deduct	*-26.41*	
26 51 19 00-0793	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	184.97	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.50*	
		For >500, Deduct	*-25.89*	
26 51 19 00-0794	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	184.91	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.49*	
		For >500, Deduct	*-25.88*	
26 51 19 00-0795	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	201.02	48.95
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-11.91*	
		For >250 To 500, Deduct	*-20.10*	
		For >500, Deduct	*-28.30*	
26 51 19 00-0796	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	195.82	48.95
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-19.58*	
		For >500, Deduct	*-27.52*	
26 51 19 00-0797	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	217.58	48.95
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.73*	
		For >250 To 500, Deduct	*-21.76*	
		For >500, Deduct	*-30.78*	
26 51 19 00-0798	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	210.50	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.05*	
		For >500, Deduct	*-29.72*	
26 51 19 00-0799	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	210.55	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-29.73*	
26 51 19 00-0800	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	174.18	48.95
		For >50 To 100, Deduct	*-6.21*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.42*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0801	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	188.45	48.95
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.28*	
		For >250 To 500, Deduct	*-18.85*	
		For >500, Deduct	*-26.41*	
26 51 19 00-0802	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	184.97	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.50*	
		For >500, Deduct	*-25.89*	
26 51 19 00-0803	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	184.91	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.49*	
		For >500, Deduct	*-25.88*	
26 51 19 00-0804	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	201.02	48.95
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-11.91*	
		For >250 To 500, Deduct	*-20.10*	
		For >500, Deduct	*-28.30*	
26 51 19 00-0805	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	195.82	48.95
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-19.58*	
		For >500, Deduct	*-27.52*	
26 51 19 00-0806	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	217.58	48.95
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.73*	
		For >250 To 500, Deduct	*-21.76*	
		For >500, Deduct	*-30.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0807	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	210.50	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.05*	
		For >500, Deduct	*-29.72*	
26 51 19 00-0808	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	210.55	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-29.73*	
26 51 19 00-0809	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	174.18	48.95
		For >50 To 100, Deduct	*-6.21*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.42*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0810	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	188.45	48.95
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.28*	
		For >250 To 500, Deduct	*-18.85*	
		For >500, Deduct	*-26.41*	
26 51 19 00-0811	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	184.97	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.50*	
		For >500, Deduct	*-25.89*	
26 51 19 00-0812	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	184.91	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.49*	
		For >500, Deduct	*-25.88*	
26 51 19 00-0813	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	201.02	48.95
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-11.91*	
		For >250 To 500, Deduct	*-20.10*	
		For >500, Deduct	*-28.30*	
26 51 19 00-0814	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	195.82	48.95
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-19.58*	
		For >500, Deduct	*-27.52*	
26 51 19 00-0815	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	217.58	48.95
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.73*	
		For >250 To 500, Deduct	*-21.76*	
		For >500, Deduct	*-30.78*	
26 51 19 00-0816	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	210.50	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.05*	
		For >500, Deduct	*-29.72*	
26 51 19 00-0817	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	210.55	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-29.73*	
26 51 19 00-0818	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	174.18	48.95
		For >50 To 100, Deduct	*-6.21*	
		For >100 To 250, Deduct	*-10.56*	
		For >250 To 500, Deduct	*-17.42*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0819	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	188.45	48.95
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 250, Deduct	*-11.28*	
		For >250 To 500, Deduct	*-18.85*	
		For >500, Deduct	*-26.41*	
26 51 19 00-0820	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	184.97	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.50*	
		For >500, Deduct	*-25.89*	
26 51 19 00-0821	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	184.91	48.95
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.49*	
		For >500, Deduct	*-25.88*	
26 51 19 00-0822	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	201.02	48.95
		For >50 To 100, Deduct	*-6.88*	
		For >100 To 250, Deduct	*-11.91*	
		For >250 To 500, Deduct	*-20.10*	
		For >500, Deduct	*-28.30*	
26 51 19 00-0823	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	195.82	48.95
		For >50 To 100, Deduct	*-6.75*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-19.58*	
		For >500, Deduct	*-27.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0824	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	217.58	48.95
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-12.73*	
		For >250 To 500, Deduct	*-21.76*	
		For >500, Deduct	*-30.78*	
26 51 19 00-0825	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	210.50	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.05*	
		For >500, Deduct	*-29.72*	
26 51 19 00-0826	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	210.55	48.95
		For >50 To 100, Deduct	*-7.12*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-21.06*	
		For >500, Deduct	*-29.73*	
26 51 19 00-0827		**Ceiling Mounted, LED Mushroom Fixtures (Mobern)** *(26 51 19 00-0753)*		
26 51 19 00-0828	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	190.59	45.34
		For >50 To 100, Deduct	*-6.47*	
		For >100 To 250, Deduct	*-11.23*	
		For >250 To 500, Deduct	*-19.06*	
		For >500, Deduct	*-26.89*	
26 51 19 00-0829		**Ceiling Mounted, LED Fixtures (Sylvania)** *(26 51 19 00-0753)*		
26 51 19 00-0830	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	734.93	48.95
		For >50 To 100, Deduct	*-20.23*	
		For >100 To 250, Deduct	*-38.60*	
		For >250 To 500, Deduct	*-73.49*	
		For >500, Deduct	*-108.38*	
26 51 19 00-0831	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	278.08	41.22
		For >50 To 100, Deduct	*-8.50*	
		For >100 To 250, Deduct	*-15.45*	
		For >250 To 500, Deduct	*-27.81*	
		For >500, Deduct	*-40.17*	
26 51 19 00-0832	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	346.86	48.02
		For >50 To 100, Deduct	*-10.48*	
		For >100 To 250, Deduct	*-19.15*	
		For >250 To 500, Deduct	*-34.69*	
		For >500, Deduct	*-50.23*	
26 51 19 00-0833	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	351.05	48.02
		For >50 To 100, Deduct	*-10.58*	
		For >100 To 250, Deduct	*-19.36*	
		For >250 To 500, Deduct	*-35.11*	
		For >500, Deduct	*-50.85*	
26 51 19 00-0834		**Refrigeration/Display LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0835		**Refrigeration/Display LED Fixtures (Lithonia)** *(26 51 19 00-0834)*		
		Note: Fixtures exclude driver.		
26 51 19 00-0836	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	309.41	48.02
		For >50 To 100, Deduct	*-9.54*	
		For >100 To 250, Deduct	*-17.27*	
		For >250 To 500, Deduct	*-30.94*	
		For >500, Deduct	*-44.61*	
26 51 19 00-0837	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	396.76	85.02
		For >50 To 100, Deduct	*-13.14*	
		For >100 To 250, Deduct	*-23.06*	
		For >250 To 500, Deduct	*-39.68*	
		For >500, Deduct	*-56.29*	
26 51 19 00-0838	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	369.66	68.02
		For >50 To 100, Deduct	*-11.82*	
		For >100 To 250, Deduct	*-21.06*	
		For >250 To 500, Deduct	*-36.97*	
		For >500, Deduct	*-52.87*	
26 51 19 00-0839		**Pendant Mount, LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0840		**Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)** *(26 51 19 00-0839)*		
26 51 19 00-0841	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,719.13	105.12
		For >50 To 100, Deduct	*-72.36*	
		For >100 To 250, Deduct	*-140.34*	
		For >250 To 500, Deduct	*-271.91*	
		For >500, Deduct	*-403.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0842	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,120.26	111.29
		For >50 To 100, Deduct	*-107.64*	
		For >100 To 250, Deduct	*-210.65*	
		For >250 To 500, Deduct	*-412.03*	
		For >500, Deduct	*-613.40*	
26 51 19 00-0843	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,269.07	117.48
		For >50 To 100, Deduct	*-136.62*	
		For >100 To 250, Deduct	*-268.35*	
		For >250 To 500, Deduct	*-526.91*	
		For >500, Deduct	*-785.47*	
26 51 19 00-0844	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,670.20	123.66
		For >50 To 100, Deduct	*-171.91*	
		For >100 To 250, Deduct	*-338.66*	
		For >250 To 500, Deduct	*-667.02*	
		For >500, Deduct	*-995.38*	
26 51 19 00-0845	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,885.94	105.12
		For >50 To 100, Deduct	*-76.53*	
		For >100 To 250, Deduct	*-148.68*	
		For >250 To 500, Deduct	*-288.59*	
		For >500, Deduct	*-428.51*	
26 51 19 00-0846	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,341.29	111.29
		For >50 To 100, Deduct	*-113.17*	
		For >100 To 250, Deduct	*-221.70*	
		For >250 To 500, Deduct	*-434.13*	
		For >500, Deduct	*-646.56*	
26 51 19 00-0847	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,492.19	117.48
		For >50 To 100, Deduct	*-142.20*	
		For >100 To 250, Deduct	*-279.50*	
		For >250 To 500, Deduct	*-549.22*	
		For >500, Deduct	*-818.93*	
26 51 19 00-0848	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,920.43	123.66
		For >50 To 100, Deduct	*-178.16*	
		For >100 To 250, Deduct	*-351.17*	
		For >250 To 500, Deduct	*-692.04*	
		For >500, Deduct	*-1,032.91*	

26 51 19 00-0849 Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0839)*

26 51 19 00-0850	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,047.64	61.83
		For >50 To 100, Deduct	*-28.77*	
		For >100 To 250, Deduct	*-54.96*	
		For >250 To 500, Deduct	*-104.76*	
		For >500, Deduct	*-154.57*	

26 51 19 00-0851 Pendant Mount, LED Downlight Fixtures (King Luminaire) *(26 51 19 00-0839)*

26 51 19 00-0852	EA	Up To 100 Watt, Pendant Mount, LED Downlight Fixture (King Luminaire K804)	4,050.19	61.83
		For >50 To 100, Deduct	*-103.83*	
		For >100 To 250, Deduct	*-205.09*	
		For >250 To 500, Deduct	*-405.02*	
		For >500, Deduct	*-604.95*	
26 51 19 00-0853	EA	133 Watt, Pendant Mount, LED Downlight Fixture (King Luminaire K804)	4,505.46	61.83
		For >50 To 100, Deduct	*-115.21*	
		For >100 To 250, Deduct	*-227.85*	
		For >250 To 500, Deduct	*-450.55*	
		For >500, Deduct	*-673.24*	

26 51 19 00-0854 Other LED Fixtures And Trim *(26 51 19 00-0001)*

26 51 19 00-0855	EA	21 LED, 27 Watt, Wall Mount Lightbar Fixture (Cooper Lighting McGraw-Edison IST-B01-E1-LED-GZW-BK)	728.24	87.59
		For >50 To 100, Deduct	*-22.59*	
		For >100 To 250, Deduct	*-40.79*	
		For >250 To 500, Deduct	*-72.82*	
		For >500, Deduct	*-104.86*	
26 51 19 00-0856	EA	7 LED, 27 Watt, Wall Mount Lightbar Fixture (Cooper Lighting McGraw-Edison IST-C01-E1-LED-GZW-BK)	728.24	87.59
		For >50 To 100, Deduct	*-22.59*	
		For >100 To 250, Deduct	*-40.79*	
		For >250 To 500, Deduct	*-72.82*	
		For >500, Deduct	*-104.86*	
26 51 19 00-0857	EA	3,600 Lumens, 29 Watt, 120 Degree Light Pattern, 2' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL2/UNV1 S903 TF P) Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted	1,236.62	41.22
		For >50 To 100, Deduct	*-32.46*	
		For >100 To 250, Deduct	*-63.38*	
		For >250 To 500, Deduct	*-123.66*	
		For >500, Deduct	*-183.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0858	EA	7,100 Lumens, 55 Watt, 120 Degree Light Pattern, 4' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL4/UNV1 S903 TF P)	1,508.47	48.02
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-39.52*	
		For >100 To 250, Deduct	*-77.23*	
		For >250 To 500, Deduct	*-150.85*	
		For >500, Deduct	*-224.47*	
26 51 19 00-0859	EA	3,600 Lumens, 29 Watt, 80 Degree Light Pattern, 2' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL2N/UNV1 S903 TF P)	1,236.62	41.22
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-32.46*	
		For >100 To 250, Deduct	*-63.38*	
		For >250 To 500, Deduct	*-123.66*	
		For >500, Deduct	*-183.95*	
26 51 19 00-0860	EA	7,100 Lumens, 55 Watt, 80 Degree Light Pattern, 4' Length Hazardous Location LED Fixture (Eaton Crous-Hinds MLL4N/UNV1 S903 TF P)	1,508.47	48.02
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-39.52*	
		For >100 To 250, Deduct	*-77.23*	
		For >250 To 500, Deduct	*-150.85*	
		For >500, Deduct	*-224.47*	
26 51 19 00-0861	EA	3,600 Lumens, 29 Watt, 120 Degree Light Pattern, 2' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL2/UNV1 S903 TF P EM1)	1,279.64	41.22
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-33.54*	
		For >100 To 250, Deduct	*-65.53*	
		For >250 To 500, Deduct	*-127.96*	
		For >500, Deduct	*-190.40*	
26 51 19 00-0862	EA	7,100 Lumens, 55 Watt, 120 Degree Light Pattern, 4' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL4/UNV1 S903 TF P EM1)	1,643.96	48.02
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-42.90*	
		For >100 To 250, Deduct	*-84.00*	
		For >250 To 500, Deduct	*-164.40*	
		For >500, Deduct	*-244.79*	
26 51 19 00-0863	EA	3,600 Lumens, 29 Watt, 80 Degree Light Pattern, 2' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL2N/UNV1 S903 TF P EM1)	1,279.64	41.22
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-33.54*	
		For >100 To 250, Deduct	*-65.53*	
		For >250 To 500, Deduct	*-127.96*	
		For >500, Deduct	*-190.40*	
26 51 19 00-0864	EA	7,100 Lumens, 55 Watt, 80 Degree Light Pattern, 4' Length Hazardous Location LED Fixture, With Battery Back-up (Eaton Crous-Hinds MLL4N/UNV1 S903 TF P EM1)	1,643.96	48.02
		Note: 100-277 VAC driver, polycarbonate lens, through feed hubs, painted		
		For >50 To 100, Deduct	*-42.90*	
		For >100 To 250, Deduct	*-84.00*	
		For >250 To 500, Deduct	*-164.40*	
		For >500, Deduct	*-244.79*	
26 51 19 00-0865	EA	Track Lighting Surface Mount Ceiling (WAC Lighting WT8-WT With WEDX-WT)	323.48	18.83
		For >50 To 100, Deduct	*-8.79*	
		For >100 To 250, Deduct	*-16.88*	
		For >250 To 500, Deduct	*-32.35*	
		For >500, Deduct	*-47.82*	
		For 120 Volt, WAC Lighting 6.75" Length Left Live End Connector For W-Track Systems, Add	*60.00*	
26 51 19 00-0866	EA	Track Lighting Head LED 4,570 Lumens, 3000K (WAC Lighting WTK -4023-30-WT With FP-K-WT)	460.10	18.83
		For >50 To 100, Deduct	*-12.21*	
		For >100 To 250, Deduct	*-23.71*	
		For >250 To 500, Deduct	*-46.01*	
		For >500, Deduct	*-68.31*	
		For WAC Lighting Track Lighting Adjustable Projector For WAC Track Heads, Add	*111.69*	
26 51 19 00-0867	EA	4' Length, 3,000 Lumens, 3500K CCT, Low Profile, LED Wraparound Linear Fixture (Lithonia BLWP4 30LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO/RES7)	167.51	37.71
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 250, Deduct	*-9.79*	
		For >250 To 500, Deduct	*-16.75*	
		For >500, Deduct	*-23.71*	
26 51 19 00-0868	EA	4' Length, 4,000 Lumens, 3500K CCT, Low Profile, LED Wraparound Linear Fixture (Lithonia BLWP4 4000LMHE ADSMT EZ1 LP835 NLTAIR2 RIO/RES7)	204.64	37.71
		For >50 To 100, Deduct	*-6.53*	
		For >100 To 250, Deduct	*-11.65*	
		For >250 To 500, Deduct	*-20.46*	
		For >500, Deduct	*-29.28*	
26 51 19 00-0869	EA	4' Length, 3,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L48 3000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 WH)	286.64	37.71
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-15.75*	
		For >250 To 500, Deduct	*-28.66*	
		For >500, Deduct	*-41.58*	
26 51 19 00-0870	EA	4' Length, 5,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L48 5000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 WH)	305.40	37.71
		For >50 To 100, Deduct	*-9.05*	
		For >100 To 250, Deduct	*-16.69*	
		For >250 To 500, Deduct	*-30.54*	
		For >500, Deduct	*-44.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0871	EA	4' Length, 1,600 Lumens, 3500K CCT, Slot Wall Indirect/Direct Linear Fixture (Mark Lighting S4LWID LCB 4FT MSL4 80CRI 35K 400LMF I80CRI I35K I600LMF MIN1 MVOLT WHTT NLTAIR2)	486.89	37.71
		For >50 To 100, Deduct	*-13.59*	
		For >100 To 250, Deduct	*-25.76*	
		For >250 To 500, Deduct	*-48.69*	
		For >500, Deduct	*-71.62*	
26 51 19 00-0872	EA	6,000 Lumens, 8' Length, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L96 6000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 WH)	433.05	44.62
		For >50 To 100, Deduct	*-12.50*	
		For >100 To 250, Deduct	*-23.33*	
		For >250 To 500, Deduct	*-43.31*	
		For >500, Deduct	*-63.28*	
26 51 19 00-0873	EA	4' Length, 3,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L48 3000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 MB)	286.64	37.71
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 250, Deduct	*-15.75*	
		For >250 To 500, Deduct	*-28.66*	
		For >500, Deduct	*-41.58*	
26 51 19 00-0874	EA	8' Length, 6,000 Lumens, 3500K CCT, LED Linear Strip Light Fixture (Lithonia CLX L96 6000LM HEF FDL MVOLT EZ1 35K 80CRI NLTAIR2 RIO/RES7 MB)	433.05	44.62
		For >50 To 100, Deduct	*-12.50*	
		For >100 To 250, Deduct	*-23.33*	
		For >250 To 500, Deduct	*-43.31*	
		For >500, Deduct	*-63.28*	
26 51 19 00-0875	EA	2' x 2', 4,000 Lumens, 35000K CCT, LED Flat Panel (Lithonia EPANL 2x2 4000LM 80CRI 35K MIN10 EZT MVOLT NLTAIR2 RIO/RES7)	155.23	41.22
		For >50 To 100, Deduct	*-5.43*	
		For >100 To 250, Deduct	*-9.31*	
		For >250 To 500, Deduct	*-15.52*	
		For >500, Deduct	*-21.74*	
26 51 19 00-0876	EA	6" Round, 1,000 Lumens, 3500K CCT, Open And Wallwash LED Recessed Can (Lithonia LDN6 35/10 LR 8 AR LD MVOLT EZ1 NLTAIR2)	237.68	49.63
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-13.75*	
		For >250 To 500, Deduct	*-23.77*	
		For >500, Deduct	*-33.79*	
26 51 19 00-0877	EA	6" Round, 1,500 Lumens, 3500K CCT, Open And Wallwash LED Recessed Can (Lithonia LDN6 35/15 LR 8 AR LD MVOLT EZ1 NLTAIR2)	282.03	49.63
		For >50 To 100, Deduct	*-8.91*	
		For >100 To 250, Deduct	*-15.96*	
		For >250 To 500, Deduct	*-28.20*	
		For >500, Deduct	*-40.44*	
26 51 19 00-0878	EA	15,0000 Lumens, 3500K CCT, 10" Diameter, 30" Cylinder, LED Pendant Mount (Prescolite MC10LED-p-15L-35K-9-120V-2DM-FL35-30-BL)	488.34	52.55
		For >50 To 100, Deduct	*-14.40*	
		For >100 To 250, Deduct	*-26.61*	
		For >250 To 500, Deduct	*-48.83*	
		For >500, Deduct	*-71.06*	
26 51 19 00-0879	EA	14 Watt, LED Sconce (RAB HALV 10L 935 F S)	388.86	45.12
		For >50 To 100, Deduct	*-11.41*	
		For >100 To 250, Deduct	*-21.14*	
		For >250 To 500, Deduct	*-38.89*	
		For >500, Deduct	*-56.64*	
26 51 19 00-0880	EA	11" Diameter, 1,300 Lumens, 3500K CCT, LED SlimForm Surface Mount Fixture (Juno JSF 11IN 13LM 35K 90CRI MVOLT ZT WH)	140.46	45.12
		For >50 To 100, Deduct	*-5.20*	
		For >100 To 250, Deduct	*-8.72*	
		For >250 To 500, Deduct	*-14.05*	
		For >500, Deduct	*-19.38*	
26 51 19 00-0881	EA	13" Diameter, 4000K CCT, LED Surface Mount Fixture (Lithonia JSF 13IN 18LM 40K 90CRI MVOLT ZT WH)	171.26	45.12
		For >50 To 100, Deduct	*-5.97*	
		For >100 To 250, Deduct	*-10.26*	
		For >250 To 500, Deduct	*-17.13*	
		For >500, Deduct	*-24.00*	
26 51 19 00-0882	EA	13" Diameter, 3500K CCT, LED Surface Mount Fixture (Lithonia JSF 13IN 18LM 35K 90CRI MVOLT ZT WH)	172.25	45.12
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.30*	
		For >250 To 500, Deduct	*-17.23*	
		For >500, Deduct	*-24.15*	
26 51 19 00-0883	EA	12" x12", 1,300 Lumnes, 4000K CCT, LED Square SlimForm Surface Mount Fixture (Juno JSFSQ 12IN 13LM 40K 90CRI MVOLT ZT WH)	163.78	53.58
		For >50 To 100, Deduct	*-6.12*	
		For >100 To 250, Deduct	*-10.22*	
		For >250 To 500, Deduct	*-16.38*	
		For >500, Deduct	*-22.54*	
26 51 19 00-0884	EA	41 Watt, 3500K CCT, Wall Wash LED Track Lighting Head (Juno T259L G2 35K 80CRI PDIM WH)	490.50	18.83
		For >50 To 100, Deduct	*-12.97*	
		For >100 To 250, Deduct	*-25.23*	
		For >250 To 500, Deduct	*-49.05*	
		For >500, Deduct	*-72.87*	
26 51 19 00-0885	EA	4' Length, 4,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L48 4000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RIO)	457.40	92.74
		For >50 To 100, Deduct	*-15.30*	
		For >100 To 250, Deduct	*-26.73*	
		For >250 To 500, Deduct	*-45.74*	
		For >500, Deduct	*-64.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0886	EA	4' Length, 4,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L48 4000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RESB0R10)	457.40	92.74
		For >50 To 100, Deduct	*-15.30*	
		For >100 To 250, Deduct	*-26.73*	
		For >250 To 500, Deduct	*-45.74*	
		For >500, Deduct	*-64.75*	
26 51 19 00-0887	EA	8' Length, 9,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L96 9000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RIO)	605.17	92.74
		For >50 To 100, Deduct	*-18.99*	
		For >100 To 250, Deduct	*-34.12*	
		For >250 To 500, Deduct	*-60.52*	
		For >500, Deduct	*-86.91*	
26 51 19 00-0888	EA	8' Length, 9,000 Lumnes, 3500K CCT, Low-Profile Enclosed and Gasketed Industria LED Fixture (Lithonia FEM L96 9000LM LPAFL WD 277 GZ10 35K 80CRI NLTAIR2 RESB0R10)	605.17	92.74
		For >50 To 100, Deduct	*-18.99*	
		For >100 To 250, Deduct	*-34.12*	
		For >250 To 500, Deduct	*-60.52*	
		For >500, Deduct	*-86.91*	
26 51 19 00-0889	EA	4,000 Lumens, 34 Watt, 2 Light Squares, LED Wall Mount Fixture (McGraw Edison GWC - AF - 02 - LED - E1 - T4W - BZ- 600 - MS/DIM-L8)	814.75	82.44
		For >50 To 100, Deduct	*-24.49*	
		For >100 To 250, Deduct	*-44.86*	
		For >250 To 500, Deduct	*-81.48*	
		For >500, Deduct	*-118.09*	
26 51 19 00-0890	EA	1' x 4', 40 Watt, LED Flat Panel Direct/Indirect Light Suspension Mount (LumeGen LG-UDPL-40W-30K)	103.77	37.23
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 250, Deduct	*-6.74*	
		For >250 To 500, Deduct	*-10.38*	
		For >500, Deduct	*-14.01*	
26 51 19 00-0891	EA	1,600 Lumens, Pendant Mounted LED Round Downlight With Aluminum Reflector (Edison Price FH-PM-XTM-L16S-35K-DMV-277-WHT-WW-VSM-36PX-UNIT/CPY)	1,905.40	105.12
		For >50 To 100, Deduct	*-52.01*	
		For >100 To 250, Deduct	*-99.65*	
		For >250 To 500, Deduct	*-190.54*	
		For >500, Deduct	*-281.43*	

26 51 19 00-0892 LED Track Lighting *(26 51 19 00-0001)*

26 51 19 00-0893 Track Lighting Tracks *(26 51 19 00-0892)*

26 51 19 00-0894	LF	1 Circuit Track Lighting Track	25.98	7.45
		For >50 To 100, Deduct	*-0.90*	
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.60*	
		For >500, Deduct	*-3.64*	
26 51 19 00-0895	LF	2 Circuit Track Lighting Track	34.05	7.45
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 250, Deduct	*-1.98*	
		For >250 To 500, Deduct	*-3.41*	
		For >500, Deduct	*-4.83*	
26 51 19 00-0896	LF	3 Circuit Track Lighting Track	40.92	7.45
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.09*	
		For >500, Deduct	*-5.83*	
26 51 19 00-0897	LF	4 Circuit Track Lighting Track	47.78	9.02
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 500, Deduct	*-4.78*	
		For >500, Deduct	*-6.83*	

26 51 19 00-0898 LED Track Lighting Fixtures *(26 51 19 00-0892)*

26 51 19 00-0899	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	226.89	18.83
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 250, Deduct	*-12.05*	
		For >250 To 500, Deduct	*-22.69*	
		For >500, Deduct	*-33.33*	
26 51 19 00-0900	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	399.92	18.83
		For >50 To 100, Deduct	*-10.70*	
		For >100 To 250, Deduct	*-20.70*	
		For >250 To 500, Deduct	*-39.99*	
		For >500, Deduct	*-59.28*	
26 51 19 00-0901	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	233.46	18.83
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 250, Deduct	*-12.38*	
		For >250 To 500, Deduct	*-23.35*	
		For >500, Deduct	*-34.31*	

26 51 19 00-0902 Track Lighting Accessories *(26 51 19 00-0892)*

26 51 19 00-0903 Pendant Mounting *(26 51 19 00-0902)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0904	EA	Track Lighting Pendant Mounting, Up to 12"	25.92	
		For >50 To 100, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-2.59*	
		For >500, Deduct	*-3.47*	
26 51 19 00-0905	EA	Track Lighting Pendant Mounting, >12" To 24"	33.28	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 500, Deduct	*-3.33*	
		For >500, Deduct	*-4.51*	
26 51 19 00-0906	EA	Track Lighting Pendant Mounting, >24" To 36"	40.55	
		For >50 To 100, Deduct	*-1.58*	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-4.06*	
		For >500, Deduct	*-5.52*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	472.10	120.25
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	491.19	127.69
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	511.90	145.74
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	481.35	120.25
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	495.11	127.69
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	525.21	145.74
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	499.10	109.85
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	511.52	116.66
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	538.56	133.14
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	493.64	109.85
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	505.24	116.66
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	543.41	133.14
		For Wire Guard, Add	*40.50*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	

26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	452.62	116.66
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	485.88	133.14
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	730.30	140.04
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0025 Metal Halide, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	418.68	116.66
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	456.61	133.14
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	612.07	140.04
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Polycarbonate Lens, Add	*47.75*	
		For Security Chain, Add	*19.34*	
		For Optical Safety Chain, Add	*7.47*	
		For Ballast Safety Chain, Add	*12.13*	

26 51 23 00-0029 Induction, High Bay Fixtures *(26 51 23 00-0020)*

26 51 23 00-0030 Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*

Note: Includes die cast aluminum ballast casing and acrylic lens.

26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	523.97	102.02
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	563.34	105.42
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	573.21	108.82
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	626.72	112.23
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	642.50	115.63
		For Impact Resistant Silicon Lens, Add	*20.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	565.26	102.02
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	604.63	105.42
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	614.50	108.82
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	668.01	112.23
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	683.79	115.63
		For Impact Resistant Silicon Lens, Add	*20.00*	

26 51 23 00-0041 Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.

26 51 23 00-0042 High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*

26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	393.33	78.17
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	692.06	78.17
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	796.69	78.17
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,069.22	78.17
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0047 Metal Halide, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*

26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	309.90	78.17
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	325.12	86.75
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	345.41	93.96
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	386.47	111.90
		For Wire Guard, Add	*40.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Polycarbonate Lens, Add	*47.75*	

26 51 23 00-0052 High Pressure Sodium, Recessed Fixture Housings *(26 51 23)*

26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	164.81	32.49
		For ICAT Housing, Add	*15.00*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	172.58	32.49
		For ICAT Housing, Add	*16.01*	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	181.30	33.84
		For ICAT Housing, Add	*16.84*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	187.79	35.30
		For ICAT Housing, Add	*17.39*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	194.21	36.78
		For ICAT Housing, Add	*17.92*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	199.66	39.03
		For ICAT Housing, Add	*18.19*	

26 51 23 00-0059 Metal Halide Track Lighting Fixtures *(26 51 23)*

26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	107.81	18.83

26 51 23 00-0061 Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*

26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	170.12	45.12
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	175.36	45.12
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	186.00	45.12
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	202.01	45.12
		For Wall Mounted, Add	*6.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0066		High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	157.65	45.12
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	164.16	45.12
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	189.32	45.12
		For Wall Mounted, Add	*6.67*	
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		Accessories And Modifiers For Fixtures *(26 51 33)*		
26 51 33 00-0002		Lens Modifications *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	39.80	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	49.17	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	51.51	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	56.19	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	67.89	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	16.39	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	23.41	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.75	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	30.44	
26 51 33 00-0012		Pendant Mounting Modifications *(26 51 33 00-0001)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.79	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.60	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	26.36	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	31.14	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	39.33	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	53.38	
26 51 33 00-0019		Fluorescent Light Accessories *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.91	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	180.25	
26 51 33 00-0022	EA	Factory Installed Inboard/Outboard Switching And Ballast	120.54	
26 51 33 00-0023		Wire Guards *(26 51 33 00-0001)*		
26 51 33 00-0024	EA	Wire Guard for 6" x 2' Fixture	73.89	5.65
26 51 33 00-0025	EA	Wire Guard for 6" x 4' Fixture	103.20	9.04
26 51 33 00-0026	EA	Wire Guard for 1" x 2' Fixture	82.53	6.22
26 51 33 00-0027	EA	Wire Guard for 1" x 4' Fixture	116.85	9.61
26 51 33 00-0028	EA	Wire Guard for 2" x 2' Fixture	101.18	6.78
26 51 33 00-0029	EA	Wire Guard for 2" x 4' Fixture	138.00	10.17
26 51 33 00-0030		Lighting Accessories *(26 51 33)*		
26 51 33 00-0031		Modular Flexible Wiring Systems *(26 51 33 00-0030)*		
26 51 33 00-0032	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	105.44	6.09
26 51 33 00-0033	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	126.58	6.09
26 51 33 00-0034	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	153.81	6.09
26 51 33 00-0035	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	126.58	6.09
26 51 33 00-0036	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	101.25	6.09
26 51 33 00-0037	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	156.08	6.09
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	83.03	6.09
26 51 33 00-0039	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	95.16	6.09
26 51 33 00-0040	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	126.86	6.09
26 51 33 00-0041	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	126.86	6.09
26 51 33 00-0042	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	129.15	6.09
26 51 33 00-0043	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	128.30	6.09
26 51 33 00-0044	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	128.30	6.09
26 51 33 00-0045	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	148.71	6.09
26 51 33 00-0046	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	63.80	6.09
26 51 33 00-0047	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	59.04	6.09
26 51 33 00-0048	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	60.70	6.09

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0049	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	78.36	6.09
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	105.44	6.09
26 51 33 00-0051	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	108.31	6.09
26 51 33 00-0052	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	82.75	6.09
26 51 33 00-0053	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	59.04	6.09
26 51 33 00-0054	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	50.76	

26 51 33 00-0055 Additional Lighting Wire Whips *(26 51 33)*

26 51 33 00-0056	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.95	

26 51 33 00-0057 Removal And Reinstallation Of Light Fixtures *(26 51 33)*

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.

26 51 33 00-0058	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	120.06	
26 51 33 00-0059	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	137.20	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001 Commercial Emergency Lights *(26 52 13 13)*

26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights *(26 52 13 13-0001)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	252.81	28.20
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	170.26	28.20
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	278.29	28.20
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	327.20	28.20
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	495.26	28.20
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	563.49	28.20
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	829.29	28.20
		For Halogen Lamps, Add	*27.55*	
		For Self-Diagnostics, Add	*87.50*	

26 52 13 13-0010 Remote Heads For Commercial Emergency Lights *(26 52 13 13-0001)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	172.22	16.92
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	173.45	16.92
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	177.58	16.92
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	176.91	16.92
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	151.57	16.92
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	101.27	16.92

26 52 13 13-0017 Industrial Emergency Lights *(26 52 13 13)*

26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	458.14	28.20
		For Wireguard, Add	*241.72*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	381.81	28.20
		For Wireguard, Add	*241.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	604.89	28.20
		For Wireguard, Add	*241.72*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	643.39	28.20
		For Wireguard, Add	*241.72*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	925.73	28.20
		For Wireguard, Add	*257.45*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,465.85	28.20
		For Wireguard, Add	*257.45*	

26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights *(26 52 13 13-0018)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	130.26	16.92
		For Wireguard, Add	*195.07*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	135.06	16.92
		For Wireguard, Add	*195.07*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	130.93	16.92
		For Wireguard, Add	*195.07*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	131.71	16.92
		For Wireguard, Add	*195.07*	
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	135.06	16.92
		For Wireguard, Add	*195.07*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	159.38	16.92
		For Wireguard, Add	*195.07*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	452.01	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	492.74	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	481.58	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	510.04	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	870.49	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*105.50*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	680.22	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	763.92	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	806.32	28.20
		For Wireguard, Add	*235.02*	
		For Self-Diagnostics, Add	*61.50*	

26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	111.85	16.92
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	121.55	16.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	111.96	16.92
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	119.10	16.92
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	100.75	16.92
26 52 13 13-0049		Outdoor Emergency Lights *(26 52 13 13)*		
26 52 13 13-0050		Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*		
		Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	720.95	28.20
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	863.24	28.20
26 52 13 13-0053		Recessed Emergency Lights *(26 52 13 13)*		
26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	787.81	28.20
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	604.07	56.40
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*257.45*	
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4)	879.83	56.40
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*257.45*	
26 52 13 13-0057		Square Wraparound Emergency Lights *(26 52 13 13)*		
26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	352.88	28.20
26 52 13 16		**Exit Signs** *(26 52 13)*		
		Note: Excludes pendants.		
26 52 13 16-0001		LED Exit Signs *(26 52 13 16)*		
		Note: Includes red LED lamps.		
26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	195.31	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.83*	
		For >250 To 500, Deduct	*-19.53*	
		For >500, Deduct	*-27.24*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	195.31	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 250, Deduct	*-11.83*	
		For >250 To 500, Deduct	*-19.53*	
		For >500, Deduct	*-27.24*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	279.73	41.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.05*	
		For >100 To 250, Deduct	*-16.05*	
		For >250 To 500, Deduct	*-27.97*	
		For >500, Deduct	*-39.90*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	279.73	41.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.05*	
		For >100 To 250, Deduct	*-16.05*	
		For >250 To 500, Deduct	*-27.97*	
		For >500, Deduct	*-39.90*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	309.89	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-9.81*	
		For >100 To 250, Deduct	*-17.56*	
		For >250 To 500, Deduct	*-30.99*	
		For >500, Deduct	*-44.42*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	353.89	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.91*	
		For >100 To 250, Deduct	*-19.76*	
		For >250 To 500, Deduct	*-35.39*	
		For >500, Deduct	*-51.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	291.50	41.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.35*	
		For >100 To 250, Deduct	*-16.64*	
		For >250 To 500, Deduct	*-29.15*	
		For >500, Deduct	*-41.66*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	323.44	41.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.15*	
		For >100 To 250, Deduct	*-18.23*	
		For >250 To 500, Deduct	*-32.34*	
		For >500, Deduct	*-46.45*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	369.43	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-12.06*	
		For >100 To 250, Deduct	*-21.29*	
		For >250 To 500, Deduct	*-36.94*	
		For >500, Deduct	*-52.59*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) Note: Includes two circular side mounted LED emergency lights.	336.49	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.23*	
		For >100 To 250, Deduct	*-19.64*	
		For >250 To 500, Deduct	*-33.65*	
		For >500, Deduct	*-47.65*	
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) Note: Includes two rectangular front mounted high intensity tungsten emergency lights.	469.07	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-14.55*	
		For >100 To 250, Deduct	*-26.27*	
		For >250 To 500, Deduct	*-46.91*	
		For >500, Deduct	*-67.54*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) Note: Includes two circular side mounted PAR 36 emergency lights.	492.26	41.23
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-15.13*	
		For >100 To 250, Deduct	*-27.43*	
		For >250 To 500, Deduct	*-49.23*	
		For >500, Deduct	*-71.02*	
26 52 13 16-0014	EA	Double Face, Damp Location, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LE-S-2-R-120/277-EL-N-SD) Note: Includes fire alarm flashing interface.	364.40	41.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.17*	
		For >100 To 250, Deduct	*-20.28*	
		For >250 To 500, Deduct	*-36.44*	
		For >500, Deduct	*-52.60*	
26 52 13 16-0015	EA	Single Face, NEMA 4X All-Conditions/Vandal Resistant, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LV-S-W-1-R-120/277-EL-N) Note: Includes fire alarm flashing interface.	825.88	41.23
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-22.71*	
		For >100 To 250, Deduct	*-43.36*	
		For >250 To 500, Deduct	*-82.59*	
		For >500, Deduct	*-121.82*	
26 52 13 16-0016	EA	Single Face, Polycarbonate Housing, LED Exit Sign With Battery Back-Up (Cooper Sure-Lites LPX)	482.02	41.23
		For >50 To 100, Deduct	*-14.87*	
		For >100 To 250, Deduct	*-26.92*	
		For >250 To 500, Deduct	*-48.20*	
		For >500, Deduct	*-69.48*	
26 52 13 16-0017	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	124.21	41.23
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 250, Deduct	*-8.27*	
		For >250 To 500, Deduct	*-12.42*	
		For >500, Deduct	*-16.57*	
26 52 13 16-0018	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	124.75	41.23
		For >50 To 100, Deduct	*-5.18*	
		For >100 To 250, Deduct	*-8.30*	
		For >250 To 500, Deduct	*-12.48*	
		For >500, Deduct	*-16.65*	

26 52 13 16-0019 Edge-Lit LED Exit Signs *(26 52 13 16)*
Note: Includes red LED lamps.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0020	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	274.35	41.23
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-8.92*	
		For >100 To 250, Deduct	*-15.78*	
		For >250 To 500, Deduct	*-27.44*	
		For >500, Deduct	*-39.09*	
26 52 13 16-0021	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	277.40	41.23
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-9.00*	
		For >100 To 250, Deduct	*-15.93*	
		For >250 To 500, Deduct	*-27.74*	
		For >500, Deduct	*-39.55*	
26 52 13 16-0022	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	298.01	41.23
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 250, Deduct	*-16.96*	
		For >250 To 500, Deduct	*-29.80*	
		For >500, Deduct	*-42.64*	
26 52 13 16-0023	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	359.61	41.23
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-11.05*	
		For >100 To 250, Deduct	*-20.04*	
		For >250 To 500, Deduct	*-35.96*	
		For >500, Deduct	*-51.88*	

26 52 13 16-0024 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0025	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	604.73	41.23
		For >50 To 100, Deduct	*-17.18*	
		For >100 To 250, Deduct	*-32.30*	
		For >250 To 500, Deduct	*-60.47*	
		For >500, Deduct	*-88.65*	
26 52 13 16-0026	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,126.44	41.23
		For >50 To 100, Deduct	*-30.22*	
		For >100 To 250, Deduct	*-58.38*	
		For >250 To 500, Deduct	*-112.64*	
		For >500, Deduct	*-166.90*	
26 52 13 16-0027	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	723.58	41.23
		For >50 To 100, Deduct	*-20.15*	
		For >100 To 250, Deduct	*-38.24*	
		For >250 To 500, Deduct	*-72.36*	
		For >500, Deduct	*-106.48*	
26 52 13 16-0028	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,221.85	41.23
		For >50 To 100, Deduct	*-32.61*	
		For >100 To 250, Deduct	*-63.15*	
		For >250 To 500, Deduct	*-122.19*	
		For >500, Deduct	*-181.22*	
26 52 13 16-0029	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	663.87	41.23
		For >50 To 100, Deduct	*-18.66*	
		For >100 To 250, Deduct	*-35.26*	
		For >250 To 500, Deduct	*-66.39*	
		For >500, Deduct	*-97.52*	
26 52 13 16-0030	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,221.85	41.23
		For >50 To 100, Deduct	*-32.61*	
		For >100 To 250, Deduct	*-63.15*	
		For >250 To 500, Deduct	*-122.19*	
		For >500, Deduct	*-181.22*	
26 52 13 16-0031	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	818.43	41.23
		For >50 To 100, Deduct	*-22.52*	
		For >100 To 250, Deduct	*-42.98*	
		For >250 To 500, Deduct	*-81.84*	
		For >500, Deduct	*-120.70*	
26 52 13 16-0032	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,520.93	41.23
		For >50 To 100, Deduct	*-40.08*	
		For >100 To 250, Deduct	*-78.11*	
		For >250 To 500, Deduct	*-152.09*	
		For >500, Deduct	*-226.08*	

26 52 13 16-0033 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0034	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	569.57	41.23
		For >50 To 100, Deduct	*-16.30*	
		For >100 To 250, Deduct	*-30.54*	
		For >250 To 500, Deduct	*-56.96*	
		For >500, Deduct	*-83.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0035	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	892.64	41.23
		For >50 To 100, Deduct	*-24.38*	
		For >100 To 250, Deduct	*-46.69*	
		For >250 To 500, Deduct	*-89.26*	
		For >500, Deduct	*-131.83*	
26 52 13 16-0036	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,090.73	41.23
		For >50 To 100, Deduct	*-29.33*	
		For >100 To 250, Deduct	*-56.60*	
		For >250 To 500, Deduct	*-109.07*	
		For >500, Deduct	*-161.55*	

26 52 13 16-0037 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0038	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	84.60	
		For >50 To 100, Deduct	*-4.23*	
		For >100 To 250, Deduct	*-6.35*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-10.58*	

26 52 13 16-0039 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0040	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	134.17	11.30
		For >50 To 100, Deduct	*-3.92*	
		For >100 To 250, Deduct	*-7.27*	
		For >250 To 500, Deduct	*-13.42*	
		For >500, Deduct	*-19.56*	
26 52 13 16-0041	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	76.42	11.30
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.64*	
		For >500, Deduct	*-10.90*	
26 52 13 16-0042	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	125.73	9.04
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-6.74*	
		For >250 To 500, Deduct	*-12.57*	
		For >500, Deduct	*-18.41*	
26 52 13 16-0043	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	133.03	
		For >50 To 100, Deduct	*-4.03*	
		For >100 To 250, Deduct	*-7.36*	
		For >250 To 500, Deduct	*-13.30*	
		For >500, Deduct	*-19.25*	

26 54 Classified Location Lighting *(26 50)*

26 54 13 Incandescent Classified Location Lighting *(26 54)*

26 54 13 00-0001 Class II Division I, Explosion Proof Fixtures *(26 54 13)*

26 54 13 00-0002	EA	200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	348.94	147.05
26 54 13 00-0003	EA	200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	354.11	147.05
26 54 13 00-0004	EA	200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture Without Reflector And Guard	404.33	147.05
26 54 13 00-0005	EA	200 Watt Incandescent, Pendant Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	387.20	147.05
26 54 13 00-0006	EA	200 Watt Incandescent, Ceiling Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	394.89	147.05
26 54 13 00-0007	EA	200 Watt Incandescent, Bracket Mounted, Class II Division I, Explosion Proof Fixture With Standard Dome Reflector	450.27	147.05

26 54 13 00-0008 Class I, Division I, Hazardous Location Fixtures *(26 54 13)*

26 54 13 00-0009 Class I Division I Fixtures Accessories *(26 54 13 00-0008)*

26 54 13 00-0010	EA	Appleton AALB-75, Long Mounting Hood	158.38	15.66
26 54 13 00-0011	EA	Appleton AAC-75, Ceiling Mounting Hood	116.08	15.66
26 54 13 00-0012	EA	Appleton AAP-75, Pendent Mounting Hood	59.95	15.66
26 54 13 00-0013	EA	Appleton AAGU-1, Aluminum Lens Guard	34.29	6.29
26 54 13 00-0014	EA	Flexible Hanger Coupling (Appleton #EXJF28)	191.30	15.66
26 54 13 00-0015	EA	Conduit Outlet Box (Appleton #GRUE75-A)	67.03	15.66
26 54 13 00-0016	EA	Rigid Fixture Hanger (Appleton #CPU20-75)	94.20	15.66
26 54 13 00-0017	EA	150 Watt High Intensity Discharge (HID) Fixture, Appleton KPBU150L-MT	1,290.36	132.01
26 54 13 00-0018	EA	Appleton KPA-75, Pendant Mounting Hood	105.22	15.66
26 54 13 00-0019	EA	Appleton KPC-75, Ceiling Mounting Hood	104.66	15.66

26 54 13 00-0020 Exit And Emergency Fixtures, Battery Powered, Class I Division I *(26 54 13 00-0008)*

Note: Includes fixtures, batteries, directional heads and accessories.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0021	EA	Halogen /HIT 12 Volt/25 Watt Pendant Mount Fixture For Use With Battery Unit (Remote Or Local), Class I Division I (Emergi-Lite EFEP)	1,973.08	96.50
		For Ceiling Mounted, Deduct	*-35.68*	
		For Wall Mounted, Deduct	*-95.13*	
		For Globe Guard, Add	*107.04*	
		For Dome Reflector, Add	*225.98*	
		For Dome Angle Reflector, Add	*225.98*	
26 54 13 00-0022	EA	Incandescent/Halogen/HIT 12 Volt/25 Watt Pendant Mount Exit Light Fixture For Use With Battery Unit (Remote Or Local), Single Face, Class I Division I (Emergi-Lite EFXP)	2,421.75	96.50
		For Ceiling Mounted, Deduct	*-35.68*	
		For Wall Mounted, Deduct	*-95.13*	
26 54 13 00-0023	EA	12 Volt / 36 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,693.42	96.50
26 54 13 00-0024	EA	12 Volt / 50 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,699.08	99.89
26 54 13 00-0025	EA	12 Volt / 72 Watt Hazardous Area Emergency Unit, Including Nickel Cadmium Battery/Transformer/Charger/Vent/Drain, Class I Division I (Emergi-Lite EXC)	5,704.71	103.40

26 54 13 00-0026 Pendant Mounted Codemaster Jr *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0027	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,601.19	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0028	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,635.07	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0029	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,670.18	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0030	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,710.25	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0031	EA	50 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,382.96	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0032	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,399.48	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0033	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,533.78	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0034	EA	175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount With Globe Glass, Class I, Division I (Appleton Codemaster Jr.)	1,720.56	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0035 Accessories For Pendant Mounted Codemaster Jr *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0036	EA	Globe Guard For Up To 175 Watt, Code Master Jr.	59.52	
26 54 13 00-0037	EA	Globe Reflector, Code Master Jr.	101.68	
26 54 13 00-0038	EA	Angle Globe Reflector, Code Master Jr.	96.72	

26 54 13 00-0039 Pendant Mounted Codemaster 2 *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0040	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,826.86	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0041	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,868.18	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0042	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	1,942.97	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0043	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,012.80	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0044	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,242.10	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0045	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton Codemaster2)	2,599.97	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0046	EA	175 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mounted, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,023.11	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0047	EA	250 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,242.10	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0048	EA	400 Watt Pulse Start Metal Halide (PSMH) Reactor, Pendant Mount, With Globe Glass, Class I, Division I (Appleton CodeMaster2)	2,599.97	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0049 Accessories For Pendant Mounted Codemaster 2 *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0050	EA	Globe Guard For Up To 175 Watt, Code Master 2	59.52
26 54 13 00-0051	EA	Globe Guard For 250 To 400 Watt, Code Master 2	91.76
26 54 13 00-0052	EA	Globe Reflector, Code Master 2	136.39
26 54 13 00-0053	EA	Angle Globe Reflector, Code Master 2	136.39

26 54 13 00-0054 Pendant Mounted Crouse-Hinds, EVM Series *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0055	EA	50 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,469.37	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0056	EA	70 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,496.06	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0057	EA	100 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,546.69	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0058	EA	150 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,619.86	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0059	EA	200 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,705.46	127.27
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0060	EA	250 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,803.93	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0061	EA	400 Watt High Pressure Sodium Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	2,072.86	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0062	EA	70 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,346.47	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0063	EA	100 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,393.84	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0064	EA	175 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,420.61	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0065	EA	250 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,779.82	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0066	EA	400 Watt Metal Halide Fixture, Pendant Mounted, With Globe Glass, Class I, Division I (Crouse-Hinds EVM)	1,895.52	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0067 Accessories For Pendant Mounted Crouse-Hinds, EVM Series *(26 54 13 00-0008)*

Note: Class I, Division I.

26 54 13 00-0068	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVM	48.21	
26 54 13 00-0069	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVM	75.70	
26 54 13 00-0070	EA	Dome Reflector, Crouse-Hinds - EVM	113.01	
26 54 13 00-0071	EA	Angle Reflector, Crouse-Hinds - EVM	113.01	

26 54 13 00-0072 Pendant Mounted Crouse-Hinds, EVLP Series *(26 54 13 00-0008)*

Note: With globe glass, Class I, Division I.

26 54 13 00-0073	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	853.95	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0074	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	821.12	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0075	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	942.80	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0076	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,105.69	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0077	EA	200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I, Crouse-Hinds EVLP	1,168.13	127.27
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0078	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,236.39	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0079	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,414.56	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0080	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	842.77	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0081	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	910.80	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0082	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	940.04	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0083	EA	100 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	963.46	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0084	EA	175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	993.30	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0085	EA	250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,391.85	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0086	EA	400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I, Division I (Crouse-Hinds EVLP)	1,392.52	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0087		Accessories For Pendant Mounted Crouse-Hinds, EVLP Series *(26 54 13 00-0008)*		
		Note: Class I, Division I.		
26 54 13 00-0088	EA	Globe Guard For Up To 175 Watt Crouse-Hinds - EVLP	48.21	
26 54 13 00-0089	EA	Globe Guard For 250 To 400 Watt Crouse-Hinds - EVLP	75.70	
26 54 13 00-0090	EA	Dome Reflector, Crouse-Hinds - EVLP	113.01	
26 54 13 00-0091	EA	Angle Reflector, Crouse-Hinds - EVLP	113.01	
26 54 13 00-0092		Class I, Division II, Hazardous Location Fixtures *(26 54 13)*		
26 54 13 00-0093		Pendant Mount Mercmaster III *(26 54 13 00-0092)*		
		Note: With globe, Class I Division II.		
26 54 13 00-0094	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	942.67	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0095	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,041.41	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0096	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,096.05	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0097	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,121.81	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0098	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,434.13	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0099	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,666.41	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0100	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	916.42	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0101	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	943.24	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0102	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,387.86	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0103	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,617.34	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0104	EA	175 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,308.75	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0105	EA	250 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,660.52	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0106	EA	400 Watt Pulse Start Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III)	1,932.37	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0107		Pendant Mount Mercmaster III Low Profile *(26 54 13 00-0092)*		
		Note: With globe, Class I Division II.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0108	EA	35 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	619.92	93.78
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0109	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	638.85	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0110	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	698.73	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0111	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	738.69	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0112	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	805.07	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0113	EA	50 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	652.55	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0114	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	688.45	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0115	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	747.98	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0116	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Appleton Mercmaster III Low Profile)	943.05	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0117 Accessories For Mercmaster III And Mercmaster III Low Profile *(26 54 13 00-0092)*

26 54 13 00-0118	EA	Cone-Type Pendent, Mercmaster III And Mercmaster III Low Profile	92.93
26 54 13 00-0119	EA	Globe Guard For Mercmaster III And Mercmaster III Low Profile Note: 50 to 250 Watt.	46.47
26 54 13 00-0120	EA	Globe Guard For Mercmaster III And Mercmaster III Low Profile Note: 400 Watt.	197.41
26 54 13 00-0121	EA	Dome Reflector For Mercmaster III And Mercmaster III Low Profile Note: 50 to 250 Watt.	69.55
26 54 13 00-0122	EA	Dome Reflector For Mercmaster III And Mercmaster III Low Profile Note: 400 Watt.	113.01
26 54 13 00-0123	EA	Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 50 To 250 Watt	78.42
26 54 13 00-0124	EA	Angle Reflector For Mercmaster III And Mercmaster III Low Profile For 400 Watt	113.01
26 54 13 00-0125	EA	Refractor Guard, Mercmaster	67.13
26 54 13 00-0126	EA	Dome And Angle Refractor, Mercmaster	113.01
26 54 13 00-0127	EA	Refractor Glass Mercmaster Up To 100 Watt	151.78
26 54 13 00-0128	EA	Refractor Glass Mercmaster 175 Watt	151.98
26 54 13 00-0129	EA	Refractor Glass Up To 250 Watt Metal Halide, Mercmaster	151.78
26 54 13 00-0130	EA	Refractor Glass For 250 To 400 Watt HPS And 400 Watt Metal Halide Note: Mercmaster.	78.11
26 54 13 00-0131	EA	Refractor Guard Up To 250 Watt Metal Halide, Mercmaster	67.13
26 54 13 00-0132	EA	Refractor Guard For 250 To 400 Watt HPS And 400 Watt Metal Halide Note: Mercmaster.	86.03
26 54 13 00-0133	EA	Reflector / Refractor For Mercmaster III	113.01
26 54 13 00-0134	EA	Appleton KPWB-75, Wall Mount	190.01
26 54 13 00-0135	EA	Appleton KGU2, Aluminum Lens Guard	79.60

26 54 13 00-0136 Pendant Mount Crouse-Hinds EV Series *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0137	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,096.23	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0138	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,146.31	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0139	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,320.13	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0140	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	981.37	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0141	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,058.83	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0142	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,095.41	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0143	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,198.83	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0144	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds EV)	1,348.26	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

26 54 13 00-0145 Pendant Mount VMV Champ Series *(26 54 13 00-0092)*

Note: With globe, Class I Division II.

26 54 13 00-0146	EA	50 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	987.31	97.90
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0147	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	974.31	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0148	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,002.89	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0149	EA	150 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,052.71	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0150	EA	200 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,300.23	127.27
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0151	EA	250 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,508.90	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0152	EA	400 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,529.51	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0153	EA	70 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	806.83	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0154	EA	100 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	839.49	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0155	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	882.03	120.57
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0156	EA	250 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,367.00	133.97
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0157	EA	400 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds VMV)	1,904.82	147.36
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 13 00-0158		Pendant Mount DMV Champ Series *(26 54 13 00-0092)*		
		Note: With globe, Class I Division II.		
26 54 13 00-0159	EA	70 Watt High Pressure Sodium Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV)	700.51	100.47
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0160	EA	100 Watt High Pressure Sodium Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV)	722.35	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0161	EA	100 Watt Metal Halide Fixture, Pendant Mount With Globe Glass, Class I Division II (Crouse-Hinds DMV)	627.84	107.17
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 13 00-0162	EA	175 Watt Metal Halide Fixture, Pendant Mount, With Globe Glass, Class I Division II (Crouse-Hinds DMV)	712.97	113.87
		For Ceiling Mounted, Add	*26.97*	
		For Wall Mounted, Add	*57.60*	
		For Stanchion Mounted, Add	*45.36*	
26 54 16		**Fluorescent Classified Location Lighting** *(26 54)*		
26 54 16 00-0001		Class I Division I, Explosion Proof Fixtures *(26 54 16)*		
		Note: Pendant or ceiling mount.		
26 54 16 00-0002	EA	2 - 40 Watt 430mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture	6,209.69	171.58
26 54 16 00-0003	EA	4 - 60 Watt 8000mA Fluorescent Lamps, 4' Length, Pendant Mount, Class I Division I, Explosion Proof Fixture	11,328.29	171.48
26 54 16 00-0004		Class I, Division I, Hazardous Location Fixtures *(26 54 16)*		
26 54 16 00-0005		4' Fluorescent Pendant Mount, Class I Division I *(26 54 16 00-0004)*		
26 54 16 00-0006	EA	4' Fluorescent Fixture, 40W Rapid Start (Appleton #ARS240-118ESB)	5,031.62	132.01
26 54 16 00-0007	EA	4' Fluorescent Fixture, 40 Watt Biaxial Combination (Appleton #APL240-120)	3,231.88	132.01
26 54 16 00-0008	EA	4' Fluorescent Fixture, 60W Rapid Start (Appleton #AH260-118)	6,036.77	132.01
26 54 16 00-0009		Class I, Division II, Hazardous Location Fixtures *(26 54 16)*		
26 54 16 00-0010		4' Industrial Fluorescent *(26 54 16 00-0009)*		
		Note: Class I Division II.		
26 54 16 00-0011		Day-Brite Dust Tite, 4' Industrial Fluorescent *(26 54 16 00-0010)*		
		Note: Class I, Division II. Tempered glass lens.		
26 54 16 00-0012	EA	Two T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,185.94	132.01
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0013	EA	Three T8 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,248.94	132.01
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0014	EA	Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,154.63	132.01
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0015	EA	Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture Class I, Division II, Day-Brite Dust Tite	1,216.74	132.01
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0016	EA	High Output Ballast With Two T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite	1,295.61	132.01
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0017	EA	High Output Ballast With Three T12 Lamps, 4' Dust Tite Industrial Fluorescent Fixture, Class I, Division II, Day-Brite Dust Tite	1,541.14	132.01
		For Porcelain Enamel Coating For Body And Door, Add	*30.62*	
26 54 16 00-0018		Appleton Non-Metallic Body, FV Series 4' Industrial Fluorescent *(26 54 16 00-0010)*		
		Note: Class I, Division II. Polycarbonate lens.		
26 54 16 00-0019	EA	Two T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,330.06	132.01
26 54 16 00-0020	EA	Three T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,394.40	132.01
26 54 16 00-0021	EA	Two T12 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic Class I, Division II, Appleton Non-Metallic Body, FV Series	1,297.62	132.01
26 54 16 00-0022	EA	High Output Ballast With Two T8 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic, Class I, Division II, Appleton Non-Metallic Body, FV Series	1,383.09	132.01
26 54 16 00-0023	EA	High Output Ballast With Two T12 Lamps, 4' Industrial Fluorescent Fixture, Non-Metallic, Class I, Division II, Appleton Non-Metallic Body, FV Series	1,413.18	132.01
26 54 16 00-0024		Dust Ignition Proof Fluorescent Fixtures *(26 54 16)*		
26 54 16 00-0025		Heavy-Duty Glass Lamp *(26 54 16 00-0024)*		
26 54 16 00-0026	EA	1 40 Watt Fluorescent Lamp, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,111.37	182.51
26 54 16 00-0027	EA	2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,312.88	199.30
26 54 16 00-0028	EA	4 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture	1,749.53	260.41
26 54 16 00-0029		Heavy-Duty Glass Lamp With Heat Resistant Glass Door *(26 54 16 00-0024)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 16 00-0030	EA	2 40 Watt Fluorescent Lamps, Explosion Or Dust Proof, Heavy-Duty Glass Fixture With Heat Resistant Door	758.29	152.62

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

26 54 19 00-0002 Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,769.32	92.74
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-73.10*	
		For >100 To 250, Deduct	*-142.33*	
		For >250 To 500, Deduct	*-276.93*	
		For >500, Deduct	*-411.53*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,395.94	98.93
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-89.02*	
		For >100 To 250, Deduct	*-173.92*	
		For >250 To 500, Deduct	*-339.59*	
		For >500, Deduct	*-505.27*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,837.71	105.12
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-100.32*	
		For >100 To 250, Deduct	*-196.27*	
		For >250 To 500, Deduct	*-383.77*	
		For >500, Deduct	*-571.28*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,291.78	111.29
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-111.93*	
		For >100 To 250, Deduct	*-219.23*	
		For >250 To 500, Deduct	*-429.18*	
		For >500, Deduct	*-639.13*	

26 54 19 00-0007 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,628.17	86.57
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-44.31*	
		For >100 To 250, Deduct	*-85.02*	
		For >250 To 500, Deduct	*-162.82*	
		For >500, Deduct	*-240.62*	

26 54 19 00-0009 Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,602.99	86.57
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-68.68*	
		For >100 To 250, Deduct	*-133.76*	
		For >250 To 500, Deduct	*-260.30*	
		For >500, Deduct	*-386.84*	
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,884.03	92.74
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-75.97*	
		For >100 To 250, Deduct	*-148.07*	
		For >250 To 500, Deduct	*-288.40*	
		For >500, Deduct	*-428.74*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,233.01	98.93
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-84.95*	
		For >100 To 250, Deduct	*-165.77*	
		For >250 To 500, Deduct	*-323.30*	
		For >500, Deduct	*-480.83*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,219.21	105.12
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-109.86*	
		For >100 To 250, Deduct	*-215.34*	
		For >250 To 500, Deduct	*-421.92*	
		For >500, Deduct	*-628.50*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,843.56	111.29
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-125.73*	
		For >100 To 250, Deduct	*-246.82*	
		For >250 To 500, Deduct	*-484.36*	
		For >500, Deduct	*-721.90*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	7,092.80	92.74
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-181.18*	
		For >100 To 250, Deduct	*-358.50*	
		For >250 To 500, Deduct	*-709.28*	
		For >500, Deduct	*-1,060.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	8,651.97	98.93
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-220.42*	
		For >100 To 250, Deduct	*-436.72*	
		For >250 To 500, Deduct	*-865.20*	
		For >500, Deduct	*-1,293.67*	
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	10,070.54	105.12
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-256.14*	
		For >100 To 250, Deduct	*-507.91*	
		For >250 To 500, Deduct	*-1,007.05*	
		For >500, Deduct	*-1,506.20*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	11,515.37	111.29
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-292.52*	
		For >100 To 250, Deduct	*-580.41*	
		For >250 To 500, Deduct	*-1,151.54*	
		For >500, Deduct	*-1,722.67*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	13,365.63	107.17
		For Wall Mount, Deduct	*-27.79*	
		For Warm Color Temperature LEDs, Add	*149.63*	
		For Stainless Steel Guard, Add	*268.59*	
		For Ceiling Mount, Add	*324.01*	
		For Stanchion Mount, Add	*377.09*	
		For Yoke Mount, Add	*942.72*	
		For >50 To 100, Deduct	*-339.04*	
		For >100 To 250, Deduct	*-673.18*	
		For >250 To 500, Deduct	*-1,336.56*	
		For >500, Deduct	*-1,999.95*	

26 54 23 HID Classified Location Lighting *(26 54)*

26 54 23 00-0001 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures *(26 54 23)*

26 54 23 00-0002 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures Without Reflector *(26 54 23 00-0001)*

26 54 23 00-0003	EA	100 Watt High Pressure Sodium High Intensity Discharge, Mogul Base, Industrial Lighting Fixture, Pendant Mounted, Without Reflector, Class I Division II	1,339.21	147.05
26 54 23 00-0004	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture Without Reflector	1,348.68	147.05

26 54 23 00-0005 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With Standard Reflector *(26 54 23 00-0001)*

26 54 23 00-0006	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,055.80	147.05
26 54 23 00-0007	EA	100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,386.55	147.05
26 54 23 00-0008	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With Standard Reflector	1,396.01	147.05

26 54 23 00-0009 Mogul Base, Class I Division II, Dust Ignition Proof Fixtures With 30 Degree Reflector *(26 54 23 00-0001)*

26 54 23 00-0010	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,060.54	147.05
26 54 23 00-0011	EA	100 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,391.28	147.05
26 54 23 00-0012	EA	150 Watt High Pressure Sodium, Mogul Base, Pendant Mounted, Class I Division II, Dust Ignition Proof Fixture With 30 Degree Reflector	1,400.75	147.05

26 54 23 00-0013 Mogul Base, Class I Division I, Explosion Proof Fixtures *(26 54 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 23 00-0014	EA	175 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,157.95	147.05
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	
26 54 23 00-0015	EA	100 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,212.76	147.05
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	
26 54 23 00-0016	EA	150 Watt Metal Halide, Mogul Base, Pendant Mounted, Class I Division I, Explosion Proof Fixture Without Reflector	1,272.74	147.05
		For Standard Reflector, Add	*20.86*	
		For 30 Degree Reflector, Add	*22.55*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,648.71	95.88
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,659.99	101.52
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,671.27	107.16
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.86	112.80
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,648.71	95.88
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,659.99	101.52
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,671.27	107.16
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.86	112.80
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,648.71	95.88
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,659.99	101.52
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,671.27	107.16
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.86	112.80
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,648.71	95.88
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,659.99	101.52
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,671.27	107.16
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.86	112.80

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.11	95.88
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,595.39	101.52
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,606.67	107.16
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.66	112.80
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.11	95.88
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,595.39	101.52
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,606.67	107.16
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.66	112.80
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.11	95.88
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,595.39	101.52
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,606.67	107.16
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.66	112.80
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,584.11	95.88
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,595.39	101.52
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,606.67	107.16
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,476.66	112.80

26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*

26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,732.60	95.88
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,743.88	101.52
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,755.16	107.16
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,625.16	112.80
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,732.60	95.88
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,743.88	101.52
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,755.16	107.16
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,625.16	112.80
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,732.60	95.88
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,743.88	101.52
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,755.16	107.16
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,695.35	112.80

26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*

26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,667.40	95.88
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,678.68	101.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,689.96	107.16
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,559.96	112.80
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,667.40	95.88
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,678.68	101.52
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,689.96	107.16
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,559.96	112.80
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,667.40	95.88
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,678.68	101.52
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,689.96	107.16
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,559.96	112.80
26 55 13 00-0065	EA	47-1/4" Overall Height, 8-5/8" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard (Bega 9483MH)	3,934.91	225.60
26 55 13 00-0066		**Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0067		**Square, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0066)*		
26 55 13 00-0068	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.35	95.88
26 55 13 00-0069	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,652.63	101.52
26 55 13 00-0070	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,663.91	107.16
26 55 13 00-0071	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,535.83	112.80
26 55 13 00-0072	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.35	95.88
26 55 13 00-0073	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,652.63	101.52
26 55 13 00-0074	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,663.91	107.16
26 55 13 00-0075	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,535.83	112.80
26 55 13 00-0076	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,641.35	95.88
26 55 13 00-0077	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,652.63	101.52
26 55 13 00-0078	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,663.91	107.16
26 55 13 00-0079	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,535.83	112.80
26 55 13 00-0080		**Round, Compact Fluorescent, Aluminum Architectural Bollards** *(26 55 13 00-0066)*		
26 55 13 00-0081	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,577.58	95.88
26 55 13 00-0082	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,588.86	101.52
26 55 13 00-0083	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,600.14	107.16
26 55 13 00-0084	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,473.28	112.80
26 55 13 00-0085	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,577.58	95.88
26 55 13 00-0086	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,588.86	101.52
26 55 13 00-0087	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,600.14	107.16
26 55 13 00-0088	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,473.28	112.80
26 55 13 00-0089	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,577.58	95.88
26 55 13 00-0090	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,588.86	101.52
26 55 13 00-0091	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,600.14	107.16
26 55 13 00-0092	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,473.28	112.80
26 55 13 00-0093		**LED, Aluminum Architectural Bollards** *(26 55 13 00-0002)*		
26 55 13 00-0094		**Square, LED, Aluminum Architectural Bollards** *(26 55 13 00-0093)*		
26 55 13 00-0095	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,972.48	95.88
26 55 13 00-0096	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,983.76	101.52
26 55 13 00-0097	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,995.04	107.16
26 55 13 00-0098	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,868.72	112.80
26 55 13 00-0099	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,416.43	95.88
26 55 13 00-0100	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,427.71	101.52
26 55 13 00-0101	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,438.99	107.16
26 55 13 00-0102	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,310.46	112.80
26 55 13 00-0103		**Round, LED, Aluminum Architectural Bollards** *(26 55 13 00-0093)*		
26 55 13 00-0104	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,906.25	95.88
26 55 13 00-0105	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,917.53	101.52
26 55 13 00-0106	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,928.81	107.16
26 55 13 00-0107	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,800.28	112.80
26 55 13 00-0108	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,350.21	95.88
26 55 13 00-0109	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,361.49	101.52
26 55 13 00-0110	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,372.77	107.16
26 55 13 00-0111	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,245.02	112.80
26 55 13 00-0112		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0113	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,563.55	282.00
26 55 13 00-0114	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,791.24	375.96
26 55 13 00-0115		**Low Voltage** *(26 55 13)*		
26 55 13 00-0116	EA	Low Voltage Recessed Uplight	808.84	205.30
26 55 13 00-0117	EA	Low Voltage Walkway	584.66	112.80
26 55 13 00-0118	EA	Low Voltage Malibu - 5 Light Set	562.32	150.59
26 55 13 00-0119	EA	Low Voltage Mushroom 24" Pier	493.26	112.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0120		Recessed, Adjustable *(26 55 13)*		
26 55 13 00-0121	EA	150 Watt Incandescent Recessed, Adjustable	968.07	180.48
26 55 13 00-0122	EA	300 Watt Incandescent Recessed, Adjustable	1,066.00	180.48
26 55 13 00-0123		Recessed, Uplight *(26 55 13)*		
26 55 13 00-0124	EA	50 Watt Incandescent Recessed Uplight	857.09	180.48
26 55 13 00-0125	EA	150 Watt Incandescent Recessed Uplight	876.68	180.48
26 55 13 00-0126	EA	300 Watt Incandescent Recessed Uplight	935.43	180.48
26 55 13 00-0127	EA	500 Watt Quartz Recessed Uplight	928.90	180.48
26 55 13 00-0128	EA	5 Watt, LED Recessed Uplight	1,171.37	180.48
26 55 13 00-0129	EA	15 Watt, LED Recessed Uplight	1,295.06	180.48
26 55 13 00-0130		Recessed Wall Light *(26 55 13)*		
26 55 13 00-0131	EA	100 Watt Incandescent Recessed Wall Light	434.51	112.80
26 55 13 00-0132	EA	100 Watt Fluorescent Recessed Wall Light	414.92	112.80
26 55 13 00-0133	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	686.36	150.59
26 55 13 00-0134		Step Lights *(26 55 13)*		
26 55 13 00-0135	EA	Incandescent Step Light	356.68	90.24
26 55 13 00-0136	EA	Fluorescent Step Light	422.03	90.24
26 55 13 00-0137	EA	5 Watt, LED Step Light	646.36	90.24
26 55 13 00-0138	EA	15 Watt, LED Step Light	778.29	90.24
26 55 13 00-0139		Tree Lights, Surface Adjustable *(26 55 13)*		
26 55 13 00-0140	EA	50 Watt Incandescent Tree Lights	771.23	150.59
26 55 13 00-0141	EA	100 Watt Incandescent Tree Lights	790.81	150.59
26 55 13 00-0142	EA	150 Watt Incandescent Tree Lights	973.47	225.60
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		Incandescent Walkway *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	391.96	104.90
26 55 16 00-0003		Metal Halide Walkway *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	602.73	164.91
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	638.48	170.90
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	688.84	177.43
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	737.59	191.76
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	657.02	177.43
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	663.95	164.91
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	676.68	170.90
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	537.31	117.54
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	569.13	117.54
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	600.96	117.54
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	678.48	132.31
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	513.54	105.58
26 55 16 00-0016		High Pressure Sodium Walkway *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	543.03	164.91
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	573.58	170.90
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	615.75	177.43
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	660.17	191.76
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	590.89	177.43
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	590.86	164.91
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	603.43	170.90
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	471.18	117.54
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	496.04	117.54
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	520.90	117.54
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	587.98	132.31
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	517.19	105.58
26 55 16 00-0029		Walkway, Adjustable *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	568.10	150.59
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	583.80	150.59
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	1,005.95	225.60
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	476.81	112.80
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	497.74	112.80
26 55 16 00-0035		LED Walkway *(26 55 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	838.47	86.57
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	865.17	86.57
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	912.29	86.57
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	948.41	86.57
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,091.73	111.29
		For Multi-Level Drive Currents, Add	*219.88*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,679.18	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,316.33	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,236.90	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	652.72	75.01
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	731.06	75.01
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,825.04	112.80
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	685.36	75.01
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	776.76	75.01
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	2,002.70	169.20
26 55 39		**Helipad Lighting** *(26 55)*		
26 55 39 00-0001	EA	Heliport Perimeter Light, 40 Watt With Base Housing	492.72	154.57
26 55 39 00-0002	EA	Heliport Landing Direction Light, 40 Watt With Base Housing	492.72	154.57
26 55 39 00-0003	EA	Heliport Pad Insert Light, 40 Watt With Base Housing	1,370.63	154.57
26 55 39 00-0004	EA	Heliport 10' Steel Pole, With 2 - 500 Watt Floodlights	5,206.64	412.20
26 55 39 00-0005	EA	Heliport 1 Obstruction Light, 69 Watt	477.31	128.81
26 55 39 00-0006	EA	Heliport 2 Obstruction Light, 2 - 69 Watt	614.65	154.57
26 55 39 00-0007	EA	Lighted Wind Cone, 8' Wind Sock x 20' Standard 4 Deep Bowl - 150 Watt Fixture Reflector Fixtures, 1 - 69 Watt Obstruction Light	6,251.29	1,624.66
26 55 39 00-0008	EA	Heliport Light Photoelectric Control	630.86	103.05
26 55 39 00-0009	EA	Heliport Air To Ground Radio Control Receiver	2,819.13	206.10
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	378.03	97.48
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	381.69	97.48
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	387.79	97.48
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	523.26	97.48
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010		High Pressure Sodium P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	785.96	129.97
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	790.85	129.97
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	799.39	129.97
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	895.80	129.97
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	923.87	129.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0016		Metal Halide P-154 Series GE Flood Lights *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	777.42	129.97
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	820.14	129.97
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	842.10	129.97
26 55 53 11-0020		PF-154 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	797.71	146.22
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	803.81	146.22
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	813.57	146.22
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	908.77	146.22
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	935.62	146.22
26 55 53 11-0027		Metal Halide PF-154 GE Flood Lights *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	790.38	146.22
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	831.88	146.22
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	853.85	146.22
26 55 53 11-0031		PF-400 (Medium Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		High Pressure Sodium PF-400 Series GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,085.73	146.22
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,171.16	146.22
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,165.06	146.22
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,195.57	146.22
26 55 53 11-0037		Metal Halide PF-400 GE Flood Lights *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,117.46	146.22
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,143.09	146.22
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,169.94	146.22
26 55 53 11-0041		PF-1000 (Large Size) Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		High Pressure Sodium PF-154 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,483.14	162.46
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,483.14	162.46
26 55 53 11-0045		Metal Halide PF-1000 Series GE Flood Lights *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,412.35	162.46
26 55 53 11-0047		HLU/VLU (Medium Size) FRP Series GE Flood Lights *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		High Pressure Sodium HLU/VLU FRP Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,202.90	146.22
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,226.08	146.22
26 55 53 11-0051		Metal Halide HLU/VLU Series GE Flood Lights *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,216.32	146.22
26 55 53 11-0053		Accessories For Powerflood GE Flood Lights *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	205.33	32.49
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	115.02	32.49
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	171.16	32.49
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	128.44	32.49
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	319.45	97.48
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	141.87	32.49
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	227.91	97.48
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	238.90	97.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	104.03	32.49
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	100.37	32.49
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	720.99	129.97
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	791.46	129.97
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	860.46	129.97
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	946.58	129.97
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	929.61	129.97
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	902.27	129.97
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	900.25	129.97
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	939.55	129.97
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,120.69	146.22
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,144.19	146.22
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,067.87	146.22
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,067.87	146.22
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,104.72	146.22
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,076.48	129.97
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,111.65	129.97
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,141.04	129.97
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,064.71	129.97
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,099.94	129.97
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)* Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,116.26	162.46
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,617.02	162.46
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,793.20	162.46
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	175.72	32.49
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	348.66	32.49
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	143.09	32.49
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	195.93	32.49
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	429.85	97.48
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	336.34	97.48
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	336.34	97.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	373.63	97.48
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	167.69	32.49
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	131.86	32.49
26 55 53 11-0110		**Flood Lights (Eaton)** *(26 55 53 11)*		
26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,155.31	129.97
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*63.18*	
		For >50 To 100, Deduct	*-35.38*	
		For >100 To 250, Deduct	*-64.26*	
		For >250 To 500, Deduct	*-115.53*	
		For >500, Deduct	*-166.80*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,439.35	141.94
		For >50 To 100, Deduct	*-43.08*	
		For >100 To 250, Deduct	*-79.06*	
		For >250 To 500, Deduct	*-143.94*	
		For >500, Deduct	*-208.81*	
26 55 53 11-0113		**Flood Lights (Ruud)** *(26 55 53 11)*		
26 55 53 11-0114		**NS (Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115		**High Pressure Sodium NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	470.78	97.48
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	470.78	97.48
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	470.78	97.48
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	470.78	97.48
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	470.78	97.48
26 55 53 11-0121		**Metal Halide NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	539.13	97.48
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	539.13	97.48
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	539.13	97.48
26 55 53 11-0125		**Compact Fluorescent NS Series Ruud Flood Lights** *(26 55 53 11-0114)*		
26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	400.00	97.48
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	417.08	97.48
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	421.96	97.48
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	426.85	97.48
26 55 53 11-0130		**NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131		**High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	726.92	146.22
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	770.86	146.22
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	795.27	146.22
26 55 53 11-0135		**Metal Halide NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	717.16	146.22
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	722.04	146.22
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	736.68	146.22
26 55 53 11-0139		**Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights** *(26 55 53 11-0130)*		
26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	700.07	146.22
26 55 53 11-0141		**FS (Square) Series Ruud Flood Lights** *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142		**High Pressure Sodium FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	856.29	146.22
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	861.17	146.22
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,484.36	162.46
26 55 53 11-0146		**Metal Halide FS Series Ruud Flood Lights** *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	856.29	146.22
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	861.17	146.22
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	875.82	146.22
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,323.26	162.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	667.58	129.97
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	718.84	129.97
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	718.84	129.97
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	718.84	129.97
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	718.84	129.97
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	735.93	129.97
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	735.93	129.97
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	735.93	129.97
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	709.08	129.97
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	728.60	129.97
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	779.86	129.97
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	779.86	129.97
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	779.86	129.97
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	779.86	129.97
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	796.95	129.97
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	796.95	129.97
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	796.95	129.97
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	770.10	129.97
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	971.01	146.22
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	995.42	146.22
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,545.38	162.46
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	917.31	146.22
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	922.19	146.22
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	936.84	146.22
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,384.28	162.46
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,262.24	162.46
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,516.09	162.46
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,203.65	162.46
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,354.99	162.46
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)* Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,005.18	146.22
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	1,029.59	146.22
26 55 53 11-0196		Metal Halide PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	951.48	146.22
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	956.36	146.22
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	971.01	146.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,418.45	162.46
26 55 53 11-0201		**Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	101.59	32.49
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	167.50	32.49
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	118.68	32.49
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	143.09	32.49
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	277.95	97.48
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	86.95	32.49
26 55 53 11-0208		**Flood Lights (Lumark)** *(26 55 53 11)*		
26 55 53 11-0209		**QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	244.88	97.48
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	316.88	97.48
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	559.70	39.55
		For >50 To 100, Deduct	*-15.97*	
		For >100 To 250, Deduct	*-29.96*	
		For >250 To 500, Deduct	*-55.97*	
		For >500, Deduct	*-81.98*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	695.17	39.55
		For >50 To 100, Deduct	*-19.36*	
		For >100 To 250, Deduct	*-36.74*	
		For >250 To 500, Deduct	*-69.52*	
		For >500, Deduct	*-102.30*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)*		
		Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	861.57	39.55
		For >50 To 100, Deduct	*-23.52*	
		For >100 To 250, Deduct	*-45.06*	
		For >250 To 500, Deduct	*-86.16*	
		For >500, Deduct	*-127.26*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,092.94	116.13
		For >50 To 100, Deduct	*-33.13*	
		For >100 To 250, Deduct	*-60.45*	
		For >250 To 500, Deduct	*-109.29*	
		For >500, Deduct	*-158.13*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,196.95	122.58
		For >50 To 100, Deduct	*-36.05*	
		For >100 To 250, Deduct	*-65.98*	
		For >250 To 500, Deduct	*-119.70*	
		For >500, Deduct	*-173.41*	
26 55 53 11-0225		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	949.68	109.67
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-29.23*	
		For >100 To 250, Deduct	*-52.97*	
		For >250 To 500, Deduct	*-94.97*	
		For >500, Deduct	*-136.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,193.46	116.13
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-35.64*	
		For >100 To 250, Deduct	*-65.48*	
		For >250 To 500, Deduct	*-119.35*	
		For >500, Deduct	*-173.21*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,437.25	122.58
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-42.06*	
		For >100 To 250, Deduct	*-77.99*	
		For >250 To 500, Deduct	*-143.73*	
		For >500, Deduct	*-209.46*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,773.69	129.04
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-50.79*	
		For >100 To 250, Deduct	*-95.14*	
		For >250 To 500, Deduct	*-177.37*	
		For >500, Deduct	*-259.60*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,017.47	135.48
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-57.21*	
		For >100 To 250, Deduct	*-107.65*	
		For >250 To 500, Deduct	*-201.75*	
		For >500, Deduct	*-295.85*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,261.24	141.94
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-63.63*	
		For >100 To 250, Deduct	*-120.16*	
		For >250 To 500, Deduct	*-226.12*	
		For >500, Deduct	*-332.09*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,578.84	148.39
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-71.89*	
		For >100 To 250, Deduct	*-136.36*	
		For >250 To 500, Deduct	*-257.88*	
		For >500, Deduct	*-379.41*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,822.62	154.84
		For 480 Volt, Add	*113.84*	
		For >50 To 100, Deduct	*-78.31*	
		For >100 To 250, Deduct	*-148.87*	
		For >250 To 500, Deduct	*-282.26*	
		For >500, Deduct	*-415.65*	

26 55 53 11-0234 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,168.58	141.94
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*43.37*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For >50 To 100, Deduct	*-61.31*	
		For >100 To 250, Deduct	*-115.53*	
		For >250 To 500, Deduct	*-216.86*	
		For >500, Deduct	*-318.19*	
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	3,672.40	174.20
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Bird Spikes, Add	*64.11*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For 480 Volt, Add	*166.71*	
		For >50 To 100, Deduct	*-100.52*	
		For >100 To 250, Deduct	*-192.33*	
		For >250 To 500, Deduct	*-367.24*	
		For >500, Deduct	*-542.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0237		Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,275.82	141.94
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Front Facing Optics, Back Light Shield, Add	*33.63*	
		For Rotated Optics, Back Light Shield, Add	*33.63*	
		For Field Adjustable Output, Add	*27.79*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-38.99*	
		For >100 To 250, Deduct	*-70.89*	
		For >250 To 500, Deduct	*-127.58*	
		For >500, Deduct	*-184.28*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL)	1,363.35	141.94
		Note: Type III, IV or V medium optics only.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Front Facing Optics, Back Light Shield, Add	*33.63*	
		For Rotated Optics, Back Light Shield, Add	*33.63*	
		For Field Adjustable Output, Add	*27.79*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Type II Medium Or Type V Short Optics, Add	*602.16*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-41.18*	
		For >100 To 250, Deduct	*-75.26*	
		For >250 To 500, Deduct	*-136.34*	
		For >500, Deduct	*-197.41*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,748.79	174.20
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Front Facing Optics, Back Light Shield, Add	*40.76*	
		For Rotated Optics, Back Light Shield, Add	*40.76*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-52.43*	
		For >100 To 250, Deduct	*-96.15*	
		For >250 To 500, Deduct	*-174.88*	
		For >500, Deduct	*-253.61*	
26 55 53 11-0241		Flood Lights (PlanLED) *(26 55 53 11)*		
26 55 53 11-0242		Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*		
26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	669.59	116.13
		For >50 To 100, Deduct	*-22.55*	
		For >100 To 250, Deduct	*-39.29*	
		For >250 To 500, Deduct	*-66.96*	
		For >500, Deduct	*-94.63*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	805.84	122.58
		For >50 To 100, Deduct	*-26.28*	
		For >100 To 250, Deduct	*-46.42*	
		For >250 To 500, Deduct	*-80.58*	
		For >500, Deduct	*-114.75*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	932.84	132.26
		For >50 To 100, Deduct	*-29.93*	
		For >100 To 250, Deduct	*-53.26*	
		For >250 To 500, Deduct	*-93.28*	
		For >500, Deduct	*-133.31*	
26 55 53 11-0246		Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*		
26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,895.39	258.07
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-60.29*	
		For >100 To 250, Deduct	*-107.67*	
		For >250 To 500, Deduct	*-189.54*	
		For >500, Deduct	*-271.41*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,983.09	258.07
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-87.48*	
		For >100 To 250, Deduct	*-162.06*	
		For >250 To 500, Deduct	*-298.31*	
		For >500, Deduct	*-434.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,324.47	258.07
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For >50 To 100, Deduct	*-146.02*	
		For >100 To 250, Deduct	*-279.13*	
		For >250 To 500, Deduct	*-532.45*	
		For >500, Deduct	*-785.77*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,696.81	167.74
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*145.78*	
		For >50 To 100, Deduct	*-50.81*	
		For >100 To 250, Deduct	*-93.23*	
		For >250 To 500, Deduct	*-169.68*	
		For >500, Deduct	*-246.13*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,185.16	174.20
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*117.75*	
		For >50 To 100, Deduct	*-63.34*	
		For >100 To 250, Deduct	*-117.97*	
		For >250 To 500, Deduct	*-218.52*	
		For >500, Deduct	*-319.06*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,801.35	180.64
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*95.48*	
		For >50 To 100, Deduct	*-79.07*	
		For >100 To 250, Deduct	*-149.10*	
		For >250 To 500, Deduct	*-280.14*	
		For >500, Deduct	*-411.17*	

26 55 53 11-0254 Flood Lights (Everlast) *(26 55 53 11)*

26 55 53 11-0255 Yoke Mount, Square, LED Flood Lights (Everlast EL-LED-FL) *(26 55 53 11-0254)*

Note: UL wet listed. Includes 2,700K, 4,000K or 5,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and black powder coat finish. Excludes sensors.

26 55 53 11-0256	EA	100 Watt, 11,000 Lumens, Yoke Mount, Wet Location, LED Floodlight (Everlast EL-LED-FL)	723.75	111.29
		For >50 To 100, Deduct	*-22.73*	
		For >100 To 250, Deduct	*-40.83*	
		For >250 To 500, Deduct	*-72.38*	
		For >500, Deduct	*-103.93*	
26 55 53 11-0257	EA	150 Watt, 16,500 Lumens, Yoke Mount, Wet Location, LED Floodlight (Everlast EL-LED-FL)	824.67	111.29
		For >50 To 100, Deduct	*-25.25*	
		For >100 To 250, Deduct	*-45.87*	
		For >250 To 500, Deduct	*-82.47*	
		For >500, Deduct	*-119.06*	
26 55 53 11-0258	EA	200 Watt, 22,000 Lumens, Yoke Mount, Wet Location, LED Floodlight (Everlast EL-LED-FL)	959.23	111.29
		For >50 To 100, Deduct	*-28.62*	
		For >100 To 250, Deduct	*-52.60*	
		For >250 To 500, Deduct	*-95.92*	
		For >500, Deduct	*-139.25*	

26 55 53 11-0259 High Mast Flood Lights (Carolina) *(26 55 53 11)*

Note: Installation and demolition includes a line truck with an aerial platform.

26 55 53 11-0260 Adjustable Arm Mount, LED High Mast Flood Lights With Wireless Control Node (Carolina High Mast UltaSpot LED) *(26 55 53 11-0259)*

Note: Includes a General Electric LightGrid™ outdoor wireless control node.

26 55 53 11-0261	EA	30,000 Lumens, 320 Watt, Adjustable Arm Mount, LED High Mast Flood Light With Wireless Control Node (Carolina High Mast USLED-01-G-01-50-70-M-1 ELWN0A5UG5)	3,569.97	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*344.09*	
		For >50 To 100, Deduct	*-92.48*	
		For >100 To 250, Deduct	*-181.72*	
		For >250 To 500, Deduct	*-357.00*	
		For >500, Deduct	*-532.27*	
26 55 53 11-0262	EA	65,000 Lumens, 640 Watt, Adjustable Arm Mount, LED High Mast Flood Light With Wireless Control Node (Carolina High Mast USLED-02-G-01-50-70-M-1 ELWN0A5UG5)	5,357.72	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*522.87*	
		For >50 To 100, Deduct	*-137.17*	
		For >100 To 250, Deduct	*-271.11*	
		For >250 To 500, Deduct	*-535.77*	
		For >500, Deduct	*-800.43*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0002		HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003		High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,066.20	129.97
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,141.87	129.97
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,068.64	129.97
26 55 53 12-0007		Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*		
26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,133.79	129.97
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,097.94	129.97
26 55 53 12-0010		HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011		High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,014.19	129.97
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,059.34	129.97
26 55 53 12-0014		Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*		
26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	892.14	129.97
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,440.42	162.46
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,462.39	162.46
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,433.10	162.46
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,462.39	162.46
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,061.32	146.22
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,146.76	146.22
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** *(26 55 53)* Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,511.06	194.96
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,711.22	194.96
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,720.98	194.96
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	3,026.09	194.96
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,899.17	194.96
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,763.82	194.96
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,635.55	194.96
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,762.47	194.96

26 55 53 13-0013 Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)*

See CSI section 26 55 53 11-0099 for accessories.

26 55 61 Theatrical Lighting *(26 55)*

26 55 61 00-0001 Stage Lighting *(26 55 61)*

26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	652.40	137.05
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	652.40	137.05
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	652.40	137.05
26 55 61 00-0005	EA	14" Scoop Floodlight (Altman #SC14)	674.36	137.05
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	525.78	137.05
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	880.27	137.05
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,356.84	137.05
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,845.75	137.05
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	476.58	137.05
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,788.11	137.05
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	3,069.32	137.05

26 55 63 Detention Lighting *(26 55)*

26 55 63 00-0001 Maximum Security Recessed Luminaire *(26 55 63)*

Note: Failsafe - FMR series.

26 55 63 00-0002	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,295.37	37.09
26 55 63 00-0003	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,422.45	37.09
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,243.11	44.53
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,699.15	51.94
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,699.15	51.94
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, Lamps,14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,699.15	51.94
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,295.37	37.09
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,485.98	37.09
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,306.65	44.53
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, Lamps,16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,508.54	51.94
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,508.54	51.94
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.187" clear tempered glass environmental side.	1,508.54	51.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,136.53	37.09
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,136.53	37.09
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,370.19	44.53
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,635.62	51.94
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,648.32	51.94
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, Lamps,18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate.	1,648.32	51.94
26 55 63 00-0020		**Maximum Security Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,168.30	37.09
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, Lamps,12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,454.21	37.09
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,104.76	37.09
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,104.76	37.09
26 55 63 00-0025	EA	19" x 24", Two 17 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,084.27	44.53
26 55 63 00-0026	EA	19" x 48", Two 32 Watt, Lamps,14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,344.06	48.23
26 55 63 00-0027	EA	19" x 48", Three 32 Watt, Lamps,14 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,375.83	48.23
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing inner layer overlay, 0.375" clear polycarbonate environmental side.	1,375.83	48.23
26 55 63 00-0029		**Ultimax Surface Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,077.59	37.09
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,400.40	37.09
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,196.96	44.53
26 55 63 00-0033	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,227.22	51.94
26 55 63 00-0034	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,232.35	51.94
26 55 63 00-0035	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,237.48	51.94
26 55 63 00-0036		**Maximum Security Wall Luminaire** *(26 55 63)* Note: Failsafe - FMR series.		
26 55 63 00-0037	EA	10.5" x 48", Two 32 Watt Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 1 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,422.45	37.23
26 55 63 00-0038	EA	10.5" x 48", Three 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 1 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,422.45	37.23
26 55 63 00-0039	EA	10.5" x 48", Four 32 Watt, T8 Lamps, 14 Gauge, Maximum Security Wall Luminaire Note: 2 up, 2 down, 1 electronic ballast for T8 lamps. 0.005" UV absorbing inner level overlay, 0.375" clear polycarbonate environmental side.	1,422.45	37.23

26 55 68 Athletic Field Lighting *(26 55)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 68 00-0001		Sports Lighting System *(26 55 68)* Note: Musco.		
26 55 68 00-0002		Round Steel Tapered Poles *(26 55 68 00-0001)* Note: With Internal wiring harness.		
26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,177.03	623.87
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,025.11	753.84
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,674.93	818.83
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	6,221.80	851.32
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,872.85	883.81
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,011.63	1,078.78
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,689.93	1,143.76
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,007.12	1,299.74
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	12,501.82	1,462.20
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,818.54	1,608.79
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,056.12	1,798.06
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	16,393.35	2,018.87
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	18,328.44	2,428.95
26 55 68 00-0016		Steel Pole Brackets *(26 55 68 00-0001)*		
26 55 68 00-0017	EA	Two Light Bracket	667.27	64.98
26 55 68 00-0018	EA	Three Light Bracket	838.07	90.98
26 55 68 00-0019	EA	Four Light Bracket	1,213.55	110.47
26 55 68 00-0020	EA	Five Light Bracket	1,380.40	129.97
26 55 68 00-0021	EA	Six Light Bracket	1,676.34	149.47
26 55 68 00-0022	EA	Seven Light Bracket	1,919.57	168.96
26 55 68 00-0023	EA	Eight Light Bracket	2,195.85	194.96
26 55 68 00-0024	EA	Nine Light Bracket	2,482.13	214.46
26 55 68 00-0025		Light Fixtures *(26 55 68 00-0001)*		
26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,400.66	
		For 1,500 Watt Metal Halide Lamp, Add	*16.01*	
26 55 68 00-0027		Electrical Component Enclosure *(26 55 68 00-0001)* Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,051.82	73.32
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,577.33	112.80
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,810.70	141.00
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,343.44	157.93
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,637.15	169.20
26 55 68 00-0033		Accessories *(26 55 68 00-0001)*		
26 55 68 00-0034	EA	Time Delay Kit (Musco®)	1,016.93	225.99
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,146.81	225.99
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,598.77	225.99
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,654.80	677.99
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,355.48	112.80
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,581.08	225.60

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001		Poles And Standards *(26 56 13)* See CSI section 26 05 46 00-0001 for additional pole.		
26 56 13 00-0002		Roadway Light Poles *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0003		Steel Roadway Light Poles *(26 56 13 00-0002)* Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*		
26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,696.52	389.92
		For Galvanized Finish, Add	*57.50*	
		For >10 To 20, Deduct	*-67.41*	
		For >20 To 40, Deduct	*-134.83*	
		For >40, Deduct	*-221.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,701.26	389.92
		For Galvanized Finish, Add	*57.64*	
		For >10 To 20, Deduct	*-67.53*	
		For >20 To 40, Deduct	*-135.06*	
		For >40, Deduct	*-222.09*	
26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,989.28	519.89
		For Galvanized Finish, Add	*58.48*	
		For >10 To 20, Deduct	*-74.73*	
		For >20 To 40, Deduct	*-149.46*	
		For >40, Deduct	*-250.19*	
26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,046.24	519.89
		For Galvanized Finish, Add	*60.19*	
		For >10 To 20, Deduct	*-76.16*	
		For >20 To 40, Deduct	*-152.31*	
		For >40, Deduct	*-254.46*	
26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,103.21	519.89
		For Galvanized Finish, Add	*61.90*	
		For >10 To 20, Deduct	*-77.58*	
		For >20 To 40, Deduct	*-155.16*	
		For >40, Deduct	*-258.74*	
26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,245.17	584.88
		For Galvanized Finish, Add	*62.26*	
		For >10 To 20, Deduct	*-81.13*	
		For >20 To 40, Deduct	*-162.26*	
		For >40, Deduct	*-272.63*	
26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,272.19	584.88
		For Galvanized Finish, Add	*63.07*	
		For >10 To 20, Deduct	*-81.80*	
		For >20 To 40, Deduct	*-163.61*	
		For >40, Deduct	*-274.66*	
26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,277.33	584.88
		For Galvanized Finish, Add	*63.23*	
		For >10 To 20, Deduct	*-81.93*	
		For >20 To 40, Deduct	*-163.87*	
		For >40, Deduct	*-275.04*	
26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,438.20	617.38
		For Galvanized Finish, Add	*66.10*	
		For >10 To 20, Deduct	*-85.96*	
		For >20 To 40, Deduct	*-171.91*	
		For >40, Deduct	*-288.73*	
26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,458.60	617.38
		For Galvanized Finish, Add	*66.72*	
		For >10 To 20, Deduct	*-86.47*	
		For >20 To 40, Deduct	*-172.93*	
		For >40, Deduct	*-290.26*	
26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,480.88	617.38
		For Galvanized Finish, Add	*67.38*	
		For >10 To 20, Deduct	*-87.02*	
		For >20 To 40, Deduct	*-174.04*	
		For >40, Deduct	*-291.93*	
26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,944.95	649.87
		For Galvanized Finish, Add	*79.36*	
		For >10 To 20, Deduct	*-98.62*	
		For >20 To 40, Deduct	*-197.25*	
		For >40, Deduct	*-328.36*	
26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,952.22	649.87
		For Galvanized Finish, Add	*79.57*	
		For >10 To 20, Deduct	*-98.81*	
		For >20 To 40, Deduct	*-197.61*	
		For >40, Deduct	*-328.91*	
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,959.40	649.87
		For Galvanized Finish, Add	*79.79*	
		For >10 To 20, Deduct	*-98.99*	
		For >20 To 40, Deduct	*-197.97*	
		For >40, Deduct	*-329.45*	

26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,343.50	454.90
		For Galvanized Finish, Add	*73.01*	
		For >10 To 20, Deduct	*-83.59*	
		For >20 To 40, Deduct	*-167.18*	
		For >40, Deduct	*-273.51*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,406.43	471.15
		For Galvanized Finish, Add	*73.92*	
		For >10 To 20, Deduct	*-85.16*	
		For >20 To 40, Deduct	*-170.32*	
		For >40, Deduct	*-279.04*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,461.85	487.40
		For Galvanized Finish, Add	*74.61*	
		For >10 To 20, Deduct	*-86.55*	
		For >20 To 40, Deduct	*-173.09*	
		For >40, Deduct	*-284.01*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,406.11	584.88
		For Galvanized Finish, Add	*67.09*	
		For >10 To 20, Deduct	*-85.15*	
		For >20 To 40, Deduct	*-170.31*	
		For >40, Deduct	*-284.70*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,450.68	601.13
		For Galvanized Finish, Add	*67.45*	
		For >10 To 20, Deduct	*-86.27*	
		For >20 To 40, Deduct	*-172.53*	
		For >40, Deduct	*-288.86*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,488.06	617.38
		For Galvanized Finish, Add	*67.60*	
		For >10 To 20, Deduct	*-87.20*	
		For >20 To 40, Deduct	*-174.40*	
		For >40, Deduct	*-292.47*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,685.27	649.87
		For Galvanized Finish, Add	*71.57*	
		For >10 To 20, Deduct	*-92.13*	
		For >20 To 40, Deduct	*-184.26*	
		For >40, Deduct	*-308.89*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,725.11	666.11
		For Galvanized Finish, Add	*71.79*	
		For >10 To 20, Deduct	*-93.13*	
		For >20 To 40, Deduct	*-186.26*	
		For >40, Deduct	*-312.69*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,762.25	682.36
		For Galvanized Finish, Add	*71.93*	
		For >10 To 20, Deduct	*-94.06*	
		For >20 To 40, Deduct	*-188.11*	
		For >40, Deduct	*-316.29*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,906.53	682.36
		For Galvanized Finish, Add	*76.25*	
		For >10 To 20, Deduct	*-97.66*	
		For >20 To 40, Deduct	*-195.33*	
		For >40, Deduct	*-327.11*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,970.61	698.61
		For Galvanized Finish, Add	*77.20*	
		For >10 To 20, Deduct	*-99.27*	
		For >20 To 40, Deduct	*-198.53*	
		For >40, Deduct	*-332.73*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,033.06	714.85
		For Galvanized Finish, Add	*78.10*	
		For >10 To 20, Deduct	*-100.83*	
		For >20 To 40, Deduct	*-201.65*	
		For >40, Deduct	*-338.22*	
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,385.20	714.85
		For Galvanized Finish, Add	*88.66*	
		For >10 To 20, Deduct	*-109.63*	
		For >20 To 40, Deduct	*-219.26*	
		For >40, Deduct	*-364.63*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,422.42	731.10
		For Galvanized Finish, Add	*88.81*	
		For >10 To 20, Deduct	*-110.56*	
		For >20 To 40, Deduct	*-221.12*	
		For >40, Deduct	*-368.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,459.81	747.35
		For Galvanized Finish, Add	*88.95*	
		For >10 To 20, Deduct	*-111.50*	
		For >20 To 40, Deduct	*-222.99*	
		For >40, Deduct	*-371.85*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,983.47	649.87
		For Galvanized Finish, Add	*80.51*	
		For >10 To 20, Deduct	*-99.59*	
		For >20 To 40, Deduct	*-199.17*	
		For >40, Deduct	*-331.25*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,053.27	682.36
		For Galvanized Finish, Add	*80.66*	
		For >10 To 20, Deduct	*-101.33*	
		For >20 To 40, Deduct	*-202.66*	
		For >40, Deduct	*-338.11*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,130.25	714.85
		For Galvanized Finish, Add	*81.02*	
		For >10 To 20, Deduct	*-103.26*	
		For >20 To 40, Deduct	*-206.51*	
		For >40, Deduct	*-345.51*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,233.73	714.85
		For Galvanized Finish, Add	*84.12*	
		For >10 To 20, Deduct	*-105.84*	
		For >20 To 40, Deduct	*-211.69*	
		For >40, Deduct	*-353.27*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,305.81	747.35
		For Galvanized Finish, Add	*84.33*	
		For >10 To 20, Deduct	*-107.65*	
		For >20 To 40, Deduct	*-215.29*	
		For >40, Deduct	*-360.30*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,375.62	779.84
		For Galvanized Finish, Add	*84.48*	
		For >10 To 20, Deduct	*-109.39*	
		For >20 To 40, Deduct	*-218.78*	
		For >40, Deduct	*-367.16*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,495.72	747.35
		For Galvanized Finish, Add	*90.03*	
		For >10 To 20, Deduct	*-112.39*	
		For >20 To 40, Deduct	*-224.79*	
		For >40, Deduct	*-374.55*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,565.52	779.84
		For Galvanized Finish, Add	*90.18*	
		For >10 To 20, Deduct	*-114.14*	
		For >20 To 40, Deduct	*-228.28*	
		For >40, Deduct	*-381.41*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,635.32	812.33
		For Galvanized Finish, Add	*90.32*	
		For >10 To 20, Deduct	*-115.88*	
		For >20 To 40, Deduct	*-231.77*	
		For >40, Deduct	*-388.27*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,825.45	779.84
		For Galvanized Finish, Add	*97.97*	
		For >10 To 20, Deduct	*-120.64*	
		For >20 To 40, Deduct	*-241.27*	
		For >40, Deduct	*-400.90*	
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,895.00	812.33
		For Galvanized Finish, Add	*98.11*	
		For >10 To 20, Deduct	*-122.38*	
		For >20 To 40, Deduct	*-244.75*	
		For >40, Deduct	*-407.74*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,969.63	844.82
		For Galvanized Finish, Add	*98.40*	
		For >10 To 20, Deduct	*-124.24*	
		For >20 To 40, Deduct	*-248.48*	
		For >40, Deduct	*-414.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0050		Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*		
26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,426.09	714.85
		For Galvanized Finish, Add	*89.89*	
		For >10 To 20, Deduct	*-110.65*	
		For >20 To 40, Deduct	*-221.30*	
		For >40, Deduct	*-367.70*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,530.74	763.59
		For Galvanized Finish, Add	*90.11*	
		For >10 To 20, Deduct	*-113.27*	
		For >20 To 40, Deduct	*-226.54*	
		For >40, Deduct	*-377.99*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,632.95	812.33
		For Galvanized Finish, Add	*90.25*	
		For >10 To 20, Deduct	*-115.82*	
		For >20 To 40, Deduct	*-231.65*	
		For >40, Deduct	*-388.09*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,705.81	779.84
		For Galvanized Finish, Add	*94.38*	
		For >10 To 20, Deduct	*-117.65*	
		For >20 To 40, Deduct	*-235.29*	
		For >40, Deduct	*-391.93*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,808.35	828.58
		For Galvanized Finish, Add	*94.54*	
		For >10 To 20, Deduct	*-120.21*	
		For >20 To 40, Deduct	*-240.42*	
		For >40, Deduct	*-402.06*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,883.14	877.32
		For Galvanized Finish, Add	*93.86*	
		For >10 To 20, Deduct	*-122.08*	
		For >20 To 40, Deduct	*-244.16*	
		For >40, Deduct	*-410.10*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,044.10	812.33
		For Galvanized Finish, Add	*102.58*	
		For >10 To 20, Deduct	*-126.10*	
		For >20 To 40, Deduct	*-252.21*	
		For >40, Deduct	*-418.92*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,179.13	861.07
		For Galvanized Finish, Add	*103.71*	
		For >10 To 20, Deduct	*-129.48*	
		For >20 To 40, Deduct	*-258.96*	
		For >40, Deduct	*-431.49*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,251.22	909.82
		For Galvanized Finish, Add	*102.95*	
		For >10 To 20, Deduct	*-131.28*	
		For >20 To 40, Deduct	*-262.56*	
		For >40, Deduct	*-439.33*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,265.47	844.82
		For Galvanized Finish, Add	*107.27*	
		For >10 To 20, Deduct	*-131.64*	
		For >20 To 40, Deduct	*-263.27*	
		For >40, Deduct	*-437.15*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,367.67	893.56
		For Galvanized Finish, Add	*107.42*	
		For >10 To 20, Deduct	*-134.19*	
		For >20 To 40, Deduct	*-268.38*	
		For >40, Deduct	*-447.25*	
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,472.33	942.31
		For Galvanized Finish, Add	*107.63*	
		For >10 To 20, Deduct	*-136.81*	
		For >20 To 40, Deduct	*-273.62*	
		For >40, Deduct	*-457.54*	
26 56 13 00-0063		Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*		
26 56 13 00-0064		Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*		
26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,165.56	519.89
		For Galvanized Finish, Add	*63.77*	
		For >10 To 20, Deduct	*-79.14*	
		For >20 To 40, Deduct	*-158.28*	
		For >40, Deduct	*-263.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,580.43	584.88
		For Galvanized Finish, Add	*72.32*	
		For >10 To 20, Deduct	*-89.51*	
		For >20 To 40, Deduct	*-179.02*	
		For >40, Deduct	*-297.78*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,685.07	617.38
		For Galvanized Finish, Add	*73.51*	
		For >10 To 20, Deduct	*-92.13*	
		For >20 To 40, Deduct	*-184.25*	
		For >40, Deduct	*-307.25*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,358.55	649.87
		For Galvanized Finish, Add	*91.76*	
		For >10 To 20, Deduct	*-108.96*	
		For >20 To 40, Deduct	*-217.93*	
		For >40, Deduct	*-359.38*	
26 56 13 00-0069		Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*		
26 56 13 00-0070		Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*		
26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,016.50	519.89
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-100.41*	
		For >20 To 40, Deduct	*-200.83*	
		For >40, Deduct	*-327.23*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,052.98	519.89
		For Galvanized Finish, Add	*90.40*	
		For >10 To 20, Deduct	*-101.32*	
		For >20 To 40, Deduct	*-202.65*	
		For >40, Deduct	*-329.97*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,069.63	519.89
		For Galvanized Finish, Add	*90.90*	
		For >10 To 20, Deduct	*-101.74*	
		For >20 To 40, Deduct	*-203.48*	
		For >40, Deduct	*-331.22*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,182.95	584.88
		For Galvanized Finish, Add	*90.40*	
		For >10 To 20, Deduct	*-104.57*	
		For >20 To 40, Deduct	*-209.15*	
		For >40, Deduct	*-342.97*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,189.32	584.88
		For Galvanized Finish, Add	*90.59*	
		For >10 To 20, Deduct	*-104.73*	
		For >20 To 40, Deduct	*-209.47*	
		For >40, Deduct	*-343.44*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,255.09	584.88
		For Galvanized Finish, Add	*92.56*	
		For >10 To 20, Deduct	*-106.38*	
		For >20 To 40, Deduct	*-212.75*	
		For >40, Deduct	*-348.38*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,269.56	617.38
		For Galvanized Finish, Add	*91.04*	
		For >10 To 20, Deduct	*-106.74*	
		For >20 To 40, Deduct	*-213.48*	
		For >40, Deduct	*-351.09*	
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,308.08	617.38
		For Galvanized Finish, Add	*92.20*	
		For >10 To 20, Deduct	*-107.70*	
		For >20 To 40, Deduct	*-215.40*	
		For >40, Deduct	*-353.97*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,510.06	617.38
		For Galvanized Finish, Add	*98.26*	
		For >10 To 20, Deduct	*-112.75*	
		For >20 To 40, Deduct	*-225.50*	
		For >40, Deduct	*-369.12*	
26 56 13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,246.95	649.87
		For Galvanized Finish, Add	*118.42*	
		For >10 To 20, Deduct	*-131.17*	
		For >20 To 40, Deduct	*-262.35*	
		For >40, Deduct	*-426.01*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,346.86	682.36
		For Galvanized Finish, Add	*119.46*	
		For >10 To 20, Deduct	*-133.67*	
		For >20 To 40, Deduct	*-267.34*	
		For >40, Deduct	*-435.13*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,548.95	714.85
		For Galvanized Finish, Add	*123.58*	
		For >10 To 20, Deduct	*-138.72*	
		For >20 To 40, Deduct	*-277.45*	
		For >40, Deduct	*-451.91*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,356.68	714.85
		For Galvanized Finish, Add	*117.81*	
		For >10 To 20, Deduct	*-133.92*	
		For >20 To 40, Deduct	*-267.83*	
		For >40, Deduct	*-437.49*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,602.10	747.35
		For Galvanized Finish, Add	*123.22*	
		For >10 To 20, Deduct	*-140.05*	
		For >20 To 40, Deduct	*-280.11*	
		For >40, Deduct	*-457.52*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,755.88	779.84
		For Galvanized Finish, Add	*125.89*	
		For >10 To 20, Deduct	*-143.90*	
		For >20 To 40, Deduct	*-287.79*	
		For >40, Deduct	*-470.68*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,522.45	747.35
		For Galvanized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-138.06*	
		For >20 To 40, Deduct	*-276.12*	
		For >40, Deduct	*-451.55*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,844.84	779.84
		For Galvanized Finish, Add	*128.55*	
		For >10 To 20, Deduct	*-146.12*	
		For >20 To 40, Deduct	*-292.24*	
		For >40, Deduct	*-477.36*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,042.02	812.33
		For Galvanized Finish, Add	*132.52*	
		For >10 To 20, Deduct	*-151.05*	
		For >20 To 40, Deduct	*-302.10*	
		For >40, Deduct	*-493.77*	

26 56 13 00-0090 Aluminum Roadway Light Poles *(26 56 13 00-0002)*
Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

26 56 13 00-0091 Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*

26 56 13 00-0092 Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*

26 56 13 00-0093 Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*

26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,629.68	389.92
		For >10 To 20, Deduct	*-65.74*	
		For >20 To 40, Deduct	*-131.48*	
		For >40, Deduct	*-216.72*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,652.07	389.92
		For >10 To 20, Deduct	*-66.30*	
		For >20 To 40, Deduct	*-132.60*	
		For >40, Deduct	*-218.40*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,227.64	519.89
		For >10 To 20, Deduct	*-80.69*	
		For >20 To 40, Deduct	*-161.38*	
		For >40, Deduct	*-268.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,269.95	519.89
		For >10 To 20, Deduct	*-81.75*	
		For >20 To 40, Deduct	*-163.50*	
		For >40, Deduct	*-271.24*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,308.86	519.89
		For >10 To 20, Deduct	*-82.72*	
		For >20 To 40, Deduct	*-165.44*	
		For >40, Deduct	*-274.16*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,703.79	584.88
		For >10 To 20, Deduct	*-92.59*	
		For >20 To 40, Deduct	*-185.19*	
		For >40, Deduct	*-307.03*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,739.49	584.88
		For >10 To 20, Deduct	*-93.49*	
		For >20 To 40, Deduct	*-186.97*	
		For >40, Deduct	*-309.71*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,779.41	584.88
		For >10 To 20, Deduct	*-94.49*	
		For >20 To 40, Deduct	*-188.97*	
		For >40, Deduct	*-312.70*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,333.56	617.38
		For >10 To 20, Deduct	*-108.34*	
		For >20 To 40, Deduct	*-216.68*	
		For >40, Deduct	*-355.89*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,369.17	617.38
		For >10 To 20, Deduct	*-109.23*	
		For >20 To 40, Deduct	*-218.46*	
		For >40, Deduct	*-358.56*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,398.99	617.38
		For >10 To 20, Deduct	*-109.97*	
		For >20 To 40, Deduct	*-219.95*	
		For >40, Deduct	*-360.79*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,013.88	454.90
		For >10 To 20, Deduct	*-75.35*	
		For >20 To 40, Deduct	*-150.69*	
		For >40, Deduct	*-248.79*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,233.31	454.90
		For >10 To 20, Deduct	*-80.83*	
		For >20 To 40, Deduct	*-161.67*	
		For >40, Deduct	*-265.24*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,341.06	487.40
		For >10 To 20, Deduct	*-83.53*	
		For >20 To 40, Deduct	*-167.05*	
		For >40, Deduct	*-274.95*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,599.80	584.88
		For >10 To 20, Deduct	*-90.00*	
		For >20 To 40, Deduct	*-179.99*	
		For >40, Deduct	*-299.23*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,771.98	601.13
		For >10 To 20, Deduct	*-94.30*	
		For >20 To 40, Deduct	*-188.60*	
		For >40, Deduct	*-312.95*	
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,019.68	617.38
		For >10 To 20, Deduct	*-100.49*	
		For >20 To 40, Deduct	*-200.98*	
		For >40, Deduct	*-332.34*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,152.87	649.87
		For >10 To 20, Deduct	*-103.82*	
		For >20 To 40, Deduct	*-207.64*	
		For >40, Deduct	*-343.96*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,314.95	666.11
		For >10 To 20, Deduct	*-107.87*	
		For >20 To 40, Deduct	*-215.75*	
		For >40, Deduct	*-356.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,512.45	682.36
		For >10 To 20, Deduct	*-112.81*	
		For >20 To 40, Deduct	*-225.62*	
		For >40, Deduct	*-372.55*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,706.56	682.36
		For >10 To 20, Deduct	*-117.66*	
		For >20 To 40, Deduct	*-235.33*	
		For >40, Deduct	*-387.11*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,143.05	698.61
		For >10 To 20, Deduct	*-128.58*	
		For >20 To 40, Deduct	*-257.15*	
		For >40, Deduct	*-420.66*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,650.49	714.85
		For >10 To 20, Deduct	*-141.26*	
		For >20 To 40, Deduct	*-282.52*	
		For >40, Deduct	*-459.53*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,497.09	519.89
		For >10 To 20, Deduct	*-87.43*	
		For >20 To 40, Deduct	*-174.85*	
		For >40, Deduct	*-288.28*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,739.57	552.39
		For >10 To 20, Deduct	*-93.49*	
		For >20 To 40, Deduct	*-186.98*	
		For >40, Deduct	*-308.09*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,253.92	649.87
		For >10 To 20, Deduct	*-106.35*	
		For >20 To 40, Deduct	*-212.70*	
		For >40, Deduct	*-351.54*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,436.28	682.36
		For >10 To 20, Deduct	*-110.91*	
		For >20 To 40, Deduct	*-221.81*	
		For >40, Deduct	*-366.84*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,646.00	714.85
		For >10 To 20, Deduct	*-116.15*	
		For >20 To 40, Deduct	*-232.30*	
		For >40, Deduct	*-384.19*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,812.03	747.35
		For >10 To 20, Deduct	*-120.30*	
		For >20 To 40, Deduct	*-240.60*	
		For >40, Deduct	*-398.27*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,022.19	747.35
		For >10 To 20, Deduct	*-125.55*	
		For >20 To 40, Deduct	*-251.11*	
		For >40, Deduct	*-414.03*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,460.16	779.84
		For >10 To 20, Deduct	*-136.50*	
		For >20 To 40, Deduct	*-273.01*	
		For >40, Deduct	*-448.50*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,873.89	812.33
		For >10 To 20, Deduct	*-296.85*	
		For >20 To 40, Deduct	*-593.69*	
		For >40, Deduct	*-931.16*	

26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,626.51	584.88
		For >10 To 20, Deduct	*-90.66*	
		For >20 To 40, Deduct	*-181.33*	
		For >40, Deduct	*-301.23*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,760.87	584.88
		For >10 To 20, Deduct	*-94.02*	
		For >20 To 40, Deduct	*-188.04*	
		For >40, Deduct	*-311.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,654.35	714.85
		For >10 To 20, Deduct	*-116.36*	
		For >20 To 40, Deduct	*-232.72*	
		For >40, Deduct	*-384.82*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,038.25	763.59
		For >10 To 20, Deduct	*-125.96*	
		For >20 To 40, Deduct	*-251.91*	
		For >40, Deduct	*-416.05*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,253.76	779.84
		For >10 To 20, Deduct	*-131.34*	
		For >20 To 40, Deduct	*-262.69*	
		For >40, Deduct	*-433.02*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,607.93	828.58
		For >10 To 20, Deduct	*-140.20*	
		For >20 To 40, Deduct	*-280.40*	
		For >40, Deduct	*-462.02*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,531.75	812.33
		For >10 To 20, Deduct	*-138.29*	
		For >20 To 40, Deduct	*-276.59*	
		For >40, Deduct	*-455.50*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	6,287.00	861.07
		For >10 To 20, Deduct	*-157.18*	
		For >20 To 40, Deduct	*-314.35*	
		For >40, Deduct	*-514.58*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,955.14	909.82
		For >10 To 20, Deduct	*-173.88*	
		For >20 To 40, Deduct	*-347.76*	
		For >40, Deduct	*-567.13*	

26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*

26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*

26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,849.33	519.89
		For >10 To 20, Deduct	*-96.23*	
		For >20 To 40, Deduct	*-192.47*	
		For >40, Deduct	*-314.69*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,879.25	519.89
		For >10 To 20, Deduct	*-96.98*	
		For >20 To 40, Deduct	*-193.96*	
		For >40, Deduct	*-316.94*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,955.70	519.89
		For >10 To 20, Deduct	*-98.89*	
		For >20 To 40, Deduct	*-197.79*	
		For >40, Deduct	*-322.67*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,070.42	519.89
		For >10 To 20, Deduct	*-101.76*	
		For >20 To 40, Deduct	*-203.52*	
		For >40, Deduct	*-331.28*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,334.01	584.88
		For >10 To 20, Deduct	*-108.35*	
		For >20 To 40, Deduct	*-216.70*	
		For >40, Deduct	*-354.29*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,401.47	584.88
		For >10 To 20, Deduct	*-110.04*	
		For >20 To 40, Deduct	*-220.07*	
		For >40, Deduct	*-359.35*	
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,473.42	584.88
		For >10 To 20, Deduct	*-111.84*	
		For >20 To 40, Deduct	*-223.67*	
		For >40, Deduct	*-364.75*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,907.43	584.88
		For >10 To 20, Deduct	*-122.69*	
		For >20 To 40, Deduct	*-245.37*	
		For >40, Deduct	*-397.30*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,707.64	617.38
		For >10 To 20, Deduct	*-117.69*	
		For >20 To 40, Deduct	*-235.38*	
		For >40, Deduct	*-383.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,264.53	617.38
		For >10 To 20, Deduct	*-131.61*	
		For >20 To 40, Deduct	*-263.23*	
		For >40, Deduct	*-425.71*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,318.77	617.38
		For >10 To 20, Deduct	*-132.97*	
		For >20 To 40, Deduct	*-265.94*	
		For >40, Deduct	*-429.78*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,663.12	617.38
		For >10 To 20, Deduct	*-141.58*	
		For >20 To 40, Deduct	*-283.16*	
		For >40, Deduct	*-455.60*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,977.17	617.38
		For >10 To 20, Deduct	*-149.43*	
		For >20 To 40, Deduct	*-298.86*	
		For >40, Deduct	*-479.16*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,993.82	649.87
		For >10 To 20, Deduct	*-124.85*	
		For >20 To 40, Deduct	*-249.69*	
		For >40, Deduct	*-407.03*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,135.25	682.36
		For >10 To 20, Deduct	*-128.38*	
		For >20 To 40, Deduct	*-256.76*	
		For >40, Deduct	*-419.26*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,249.43	714.85
		For >10 To 20, Deduct	*-131.24*	
		For >20 To 40, Deduct	*-262.47*	
		For >40, Deduct	*-429.45*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,380.48	714.85
		For >10 To 20, Deduct	*-134.51*	
		For >20 To 40, Deduct	*-269.02*	
		For >40, Deduct	*-439.28*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,843.95	747.35
		For >10 To 20, Deduct	*-146.10*	
		For >20 To 40, Deduct	*-292.20*	
		For >40, Deduct	*-475.66*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,695.19	779.84
		For >10 To 20, Deduct	*-167.38*	
		For >20 To 40, Deduct	*-334.76*	
		For >40, Deduct	*-541.13*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,474.55	747.35
		For >10 To 20, Deduct	*-161.86*	
		For >20 To 40, Deduct	*-323.73*	
		For >40, Deduct	*-522.96*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,603.60	779.84
		For >10 To 20, Deduct	*-165.09*	
		For >20 To 40, Deduct	*-330.18*	
		For >40, Deduct	*-534.26*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	8,013.10	812.33
		For >10 To 20, Deduct	*-200.33*	
		For >20 To 40, Deduct	*-400.66*	
		For >40, Deduct	*-641.60*	

26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*

26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*

26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,152.62	389.92
		For >10 To 20, Deduct	*-78.82*	
		For >20 To 40, Deduct	*-157.63*	
		For >40, Deduct	*-255.94*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,237.14	389.92
		For >10 To 20, Deduct	*-80.93*	
		For >20 To 40, Deduct	*-161.86*	
		For >40, Deduct	*-262.28*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0167		EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,321.85	389.92
			For >10 To 20, Deduct	*-83.05*	
			For >20 To 40, Deduct	*-166.09*	
			For >40, Deduct	*-268.63*	
26 56 13 00-0168		EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,758.20	519.89
			For >10 To 20, Deduct	*-93.96*	
			For >20 To 40, Deduct	*-187.91*	
			For >40, Deduct	*-307.86*	
26 56 13 00-0169		EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,822.62	519.89
			For >10 To 20, Deduct	*-95.57*	
			For >20 To 40, Deduct	*-191.13*	
			For >40, Deduct	*-312.69*	
26 56 13 00-0170		EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,893.01	519.89
			For >10 To 20, Deduct	*-97.33*	
			For >20 To 40, Deduct	*-194.65*	
			For >40, Deduct	*-317.97*	
26 56 13 00-0171		EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,241.32	584.88
			For >10 To 20, Deduct	*-106.03*	
			For >20 To 40, Deduct	*-212.07*	
			For >40, Deduct	*-347.34*	
26 56 13 00-0172		EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,328.78	584.88
			For >10 To 20, Deduct	*-108.22*	
			For >20 To 40, Deduct	*-216.44*	
			For >40, Deduct	*-353.90*	
26 56 13 00-0173		EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,341.91	584.88
			For >10 To 20, Deduct	*-108.55*	
			For >20 To 40, Deduct	*-217.10*	
			For >40, Deduct	*-354.89*	
26 56 13 00-0174		EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,617.51	617.38
			For >10 To 20, Deduct	*-115.44*	
			For >20 To 40, Deduct	*-230.88*	
			For >40, Deduct	*-377.18*	
26 56 13 00-0175		EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,655.87	617.38
			For >10 To 20, Deduct	*-116.40*	
			For >20 To 40, Deduct	*-232.79*	
			For >40, Deduct	*-380.06*	
26 56 13 00-0176		EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,745.81	617.38
			For >10 To 20, Deduct	*-118.65*	
			For >20 To 40, Deduct	*-237.29*	
			For >40, Deduct	*-386.80*	

26 56 13 00-0177 Area Light Poles *(26 56 13 00-0001)*

Note: Excludes lighting fixtures.

26 56 13 00-0178 Steel Area Light Poles *(26 56 13 00-0177)*

Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0179 Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*

26 56 13 00-0181		EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,326.73	227.46
			For Galvanized Finish, Add	*26.15*	
			For >10 To 20, Deduct	*-46.25*	
			For >20 To 40, Deduct	*-83.77*	
			For >40, Deduct	*-176.26*	
26 56 13 00-0182		EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,440.02	259.95
			For Galvanized Finish, Add	*27.60*	
			For >10 To 20, Deduct	*-49.80*	
			For >20 To 40, Deduct	*-90.40*	
			For >40, Deduct	*-190.01*	
26 56 13 00-0183		EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,608.86	292.44
			For Galvanized Finish, Add	*30.72*	
			For >10 To 20, Deduct	*-55.58*	
			For >20 To 40, Deduct	*-100.92*	
			For >40, Deduct	*-212.09*	
26 56 13 00-0184		EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,782.53	324.93
			For Galvanized Finish, Add	*33.98*	
			For >10 To 20, Deduct	*-61.55*	
			For >20 To 40, Deduct	*-111.78*	
			For >40, Deduct	*-234.89*	
26 56 13 00-0185		EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,895.81	357.43
			For Galvanized Finish, Add	*35.43*	
			For >10 To 20, Deduct	*-65.11*	
			For >20 To 40, Deduct	*-118.41*	
			For >40, Deduct	*-248.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,997.03	389.92
		For Galvanized Finish, Add	*36.52*	
		For >10 To 20, Deduct	*-68.18*	
		For >20 To 40, Deduct	*-124.20*	
		For >40, Deduct	*-260.56*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,389.52	227.46
		For Galvanized Finish, Add	*28.04*	
		For >10 To 20, Deduct	*-48.76*	
		For >20 To 40, Deduct	*-88.17*	
		For >40, Deduct	*-185.68*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,505.23	259.95
		For Galvanized Finish, Add	*29.56*	
		For >10 To 20, Deduct	*-52.41*	
		For >20 To 40, Deduct	*-94.97*	
		For >40, Deduct	*-199.79*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,739.27	292.44
		For Galvanized Finish, Add	*34.63*	
		For >10 To 20, Deduct	*-60.80*	
		For >20 To 40, Deduct	*-110.05*	
		For >40, Deduct	*-231.65*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,867.06	324.93
		For Galvanized Finish, Add	*36.52*	
		For >10 To 20, Deduct	*-64.93*	
		For >20 To 40, Deduct	*-117.70*	
		For >40, Deduct	*-247.57*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,987.58	357.43
		For Galvanized Finish, Add	*38.18*	
		For >10 To 20, Deduct	*-68.78*	
		For >20 To 40, Deduct	*-124.83*	
		For >40, Deduct	*-262.39*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,083.97	389.92
		For Galvanized Finish, Add	*39.12*	
		For >10 To 20, Deduct	*-71.66*	
		For >20 To 40, Deduct	*-130.28*	
		For >40, Deduct	*-273.60*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,433.27	519.89
		For Galvanized Finish, Add	*41.80*	
		For >10 To 20, Deduct	*-81.73*	
		For >20 To 40, Deduct	*-149.53*	
		For >40, Deduct	*-313.00*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,389.52	227.46
		For Galvanized Finish, Add	*28.04*	
		For >10 To 20, Deduct	*-48.76*	
		For >20 To 40, Deduct	*-88.17*	
		For >40, Deduct	*-185.68*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,512.48	259.95
		For Galvanized Finish, Add	*29.78*	
		For >10 To 20, Deduct	*-52.70*	
		For >20 To 40, Deduct	*-95.48*	
		For >40, Deduct	*-200.88*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,777.91	292.44
		For Galvanized Finish, Add	*35.79*	
		For >10 To 20, Deduct	*-62.34*	
		For >20 To 40, Deduct	*-112.76*	
		For >40, Deduct	*-237.44*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,874.30	324.93
		For Galvanized Finish, Add	*36.73*	
		For >10 To 20, Deduct	*-65.22*	
		For >20 To 40, Deduct	*-118.20*	
		For >40, Deduct	*-248.65*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,987.58	357.43
		For Galvanized Finish, Add	*38.18*	
		For >10 To 20, Deduct	*-68.78*	
		For >20 To 40, Deduct	*-124.83*	
		For >40, Deduct	*-262.39*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,083.97	389.92
		For Galvanized Finish, Add	*39.12*	
		For >10 To 20, Deduct	*-71.66*	
		For >20 To 40, Deduct	*-130.28*	
		For >40, Deduct	*-273.60*	
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,500.90	519.89
		For Galvanized Finish, Add	*43.83*	
		For >10 To 20, Deduct	*-84.44*	
		For >20 To 40, Deduct	*-154.27*	
		For >40, Deduct	*-323.15*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,756.45	584.88
		For Galvanized Finish, Add	*47.60*	
		For >10 To 20, Deduct	*-92.71*	
		For >20 To 40, Deduct	*-169.56*	
		For >40, Deduct	*-354.98*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,238.53	389.92
		For Galvanized Finish, Add	*43.76*	
		For >10 To 20, Deduct	*-77.84*	
		For >20 To 40, Deduct	*-141.10*	
		For >40, Deduct	*-296.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,532.29	519.89
		For Galvanized Finish, Add	*44.78*	
		For >10 To 20, Deduct	*-85.69*	
		For >20 To 40, Deduct	*-156.46*	
		For >40, Deduct	*-327.85*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,816.82	584.88
		For Galvanized Finish, Add	*49.41*	
		For >10 To 20, Deduct	*-95.13*	
		For >20 To 40, Deduct	*-173.78*	
		For >40, Deduct	*-364.04*	
26 56 13 00-0205		Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0206		Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*		
26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,784.33	389.92
		For Galvanized Finish, Add	*60.13*	
		For >10 To 20, Deduct	*-99.68*	
		For >20 To 40, Deduct	*-179.31*	
		For >40, Deduct	*-378.66*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,859.20	389.92
		For Galvanized Finish, Add	*62.38*	
		For >10 To 20, Deduct	*-102.67*	
		For >20 To 40, Deduct	*-184.55*	
		For >40, Deduct	*-389.89*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,283.37	519.89
		For Galvanized Finish, Add	*67.31*	
		For >10 To 20, Deduct	*-115.74*	
		For >20 To 40, Deduct	*-209.04*	
		For >40, Deduct	*-440.52*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,437.93	519.89
		For Galvanized Finish, Add	*71.94*	
		For >10 To 20, Deduct	*-121.92*	
		For >20 To 40, Deduct	*-219.86*	
		For >40, Deduct	*-463.70*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,654.85	584.88
		For Galvanized Finish, Add	*74.55*	
		For >10 To 20, Deduct	*-128.65*	
		For >20 To 40, Deduct	*-232.44*	
		For >40, Deduct	*-489.74*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,913.26	584.88
		For Galvanized Finish, Add	*82.31*	
		For >10 To 20, Deduct	*-138.98*	
		For >20 To 40, Deduct	*-250.53*	
		For >40, Deduct	*-528.50*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,031.37	617.38
		For Galvanized Finish, Add	*83.90*	
		For >10 To 20, Deduct	*-142.73*	
		For >20 To 40, Deduct	*-257.50*	
		For >40, Deduct	*-542.97*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,190.76	617.38
		For Galvanized Finish, Add	*88.68*	
		For >10 To 20, Deduct	*-149.11*	
		For >20 To 40, Deduct	*-268.66*	
		For >40, Deduct	*-566.88*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,572.34	617.38
		For Galvanized Finish, Add	*100.13*	
		For >10 To 20, Deduct	*-164.37*	
		For >20 To 40, Deduct	*-295.37*	
		For >40, Deduct	*-624.11*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,608.36	649.87
		For Galvanized Finish, Add	*99.26*	
		For >10 To 20, Deduct	*-164.84*	
		For >20 To 40, Deduct	*-296.59*	
		For >40, Deduct	*-626.27*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,675.98	649.87
		For Galvanized Finish, Add	*101.29*	
		For >10 To 20, Deduct	*-167.54*	
		For >20 To 40, Deduct	*-301.32*	
		For >40, Deduct	*-636.41*	
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,367.61	844.82
		For Galvanized Finish, Add	*140.34*	
		For >10 To 20, Deduct	*-229.36*	
		For >20 To 40, Deduct	*-411.94*	
		For >40, Deduct	*-870.66*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,613.05	974.80
		For Galvanized Finish, Add	*139.90*	
		For >10 To 20, Deduct	*-235.28*	
		For >20 To 40, Deduct	*-423.92*	
		For >40, Deduct	*-894.48*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,486.07	519.89
		For Galvanized Finish, Add	*103.39*	
		For >10 To 20, Deduct	*-163.85*	
		For >20 To 40, Deduct	*-293.23*	
		For >40, Deduct	*-620.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,094.22	584.88
		For Galvanized Finish, Add	*117.73*	
		For >10 To 20, Deduct	*-186.22*	
		For >20 To 40, Deduct	*-333.20*	
		For >40, Deduct	*-705.65*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,910.07	649.87
		For Galvanized Finish, Add	*138.31*	
		For >10 To 20, Deduct	*-216.91*	
		For >20 To 40, Deduct	*-387.71*	
		For >40, Deduct	*-821.52*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	7,121.11	844.82
		For Galvanized Finish, Add	*162.94*	
		For >10 To 20, Deduct	*-259.50*	
		For >20 To 40, Deduct	*-464.68*	
		For >40, Deduct	*-983.68*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,313.25	974.80
		For Galvanized Finish, Add	*190.91*	
		For >10 To 20, Deduct	*-303.29*	
		For >20 To 40, Deduct	*-542.94*	
		For >40, Deduct	*-1,149.51*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,296.17	974.80
		For Galvanized Finish, Add	*220.40*	
		For >10 To 20, Deduct	*-342.60*	
		For >20 To 40, Deduct	*-611.74*	
		For >40, Deduct	*-1,296.95*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	12,580.64	974.80
		For Galvanized Finish, Add	*318.93*	
		For >10 To 20, Deduct	*-473.98*	
		For >20 To 40, Deduct	*-841.65*	
		For >40, Deduct	*-1,789.62*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	14,174.57	974.80
		For Galvanized Finish, Add	*366.75*	
		For >10 To 20, Deduct	*-537.74*	
		For >20 To 40, Deduct	*-953.23*	
		For >40, Deduct	*-2,028.71*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,307.41	227.46
		For Galvanized Finish, Add	*25.58*	
		For >10 To 20, Deduct	*-45.47*	
		For >20 To 40, Deduct	*-82.42*	
		For >40, Deduct	*-173.37*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,372.40	259.95
		For Galvanized Finish, Add	*25.58*	
		For >10 To 20, Deduct	*-47.10*	
		For >20 To 40, Deduct	*-85.67*	
		For >40, Deduct	*-179.87*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,478.45	292.44
		For Galvanized Finish, Add	*26.81*	
		For >10 To 20, Deduct	*-50.36*	
		For >20 To 40, Deduct	*-91.79*	
		For >40, Deduct	*-192.52*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,568.91	308.69
		For Galvanized Finish, Add	*28.55*	
		For >10 To 20, Deduct	*-53.50*	
		For >20 To 40, Deduct	*-97.48*	
		For >40, Deduct	*-204.47*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,601.40	324.93
		For Galvanized Finish, Add	*28.55*	
		For >10 To 20, Deduct	*-54.31*	
		For >20 To 40, Deduct	*-99.10*	
		For >40, Deduct	*-207.72*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,692.95	357.43
		For Galvanized Finish, Add	*29.34*	
		For >10 To 20, Deduct	*-57.00*	
		For >20 To 40, Deduct	*-104.21*	
		For >40, Deduct	*-218.20*	
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,779.67	389.92
		For Galvanized Finish, Add	*29.99*	
		For >10 To 20, Deduct	*-59.49*	
		For >20 To 40, Deduct	*-108.98*	
		For >40, Deduct	*-227.96*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,184.52	519.89
		For Galvanized Finish, Add	*34.34*	
		For >10 To 20, Deduct	*-71.78*	
		For >20 To 40, Deduct	*-132.12*	
		For >40, Deduct	*-275.69*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,105.70	389.92
		For Galvanized Finish, Add	*39.78*	
		For >10 To 20, Deduct	*-72.53*	
		For >20 To 40, Deduct	*-131.80*	
		For >40, Deduct	*-276.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,633.72	519.89
		For Galvanized Finish, Add	*47.82*	
		For >10 To 20, Deduct	*-89.75*	
		For >20 To 40, Deduct	*-163.56*	
		For >40, Deduct	*-343.07*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,026.93	584.88
		For Galvanized Finish, Add	*55.72*	
		For >10 To 20, Deduct	*-103.53*	
		For >20 To 40, Deduct	*-188.49*	
		For >40, Deduct	*-395.55*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,016.35	389.92
		For Galvanized Finish, Add	*37.10*	
		For >10 To 20, Deduct	*-68.96*	
		For >20 To 40, Deduct	*-125.55*	
		For >40, Deduct	*-263.46*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,459.84	519.89
		For Galvanized Finish, Add	*42.60*	
		For >10 To 20, Deduct	*-82.80*	
		For >20 To 40, Deduct	*-151.39*	
		For >40, Deduct	*-316.99*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,877.20	584.88
		For Galvanized Finish, Add	*51.22*	
		For >10 To 20, Deduct	*-97.54*	
		For >20 To 40, Deduct	*-178.01*	
		For >40, Deduct	*-373.09*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,323.06	389.92
		For Galvanized Finish, Add	*46.30*	
		For >10 To 20, Deduct	*-81.22*	
		For >20 To 40, Deduct	*-147.02*	
		For >40, Deduct	*-309.47*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,851.08	519.89
		For Galvanized Finish, Add	*54.34*	
		For >10 To 20, Deduct	*-98.45*	
		For >20 To 40, Deduct	*-178.78*	
		For >40, Deduct	*-375.67*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,232.21	584.88
		For Galvanized Finish, Add	*61.87*	
		For >10 To 20, Deduct	*-111.74*	
		For >20 To 40, Deduct	*-202.86*	
		For >40, Deduct	*-426.34*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,596.66	617.38
		For Galvanized Finish, Add	*70.86*	
		For >10 To 20, Deduct	*-125.35*	
		For >20 To 40, Deduct	*-227.07*	
		For >40, Deduct	*-477.76*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,707.98	584.88
		For Galvanized Finish, Add	*76.15*	
		For >10 To 20, Deduct	*-130.77*	
		For >20 To 40, Deduct	*-236.16*	
		For >40, Deduct	*-497.71*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,074.84	617.38
		For Galvanized Finish, Add	*85.20*	
		For >10 To 20, Deduct	*-144.47*	
		For >20 To 40, Deduct	*-260.54*	
		For >40, Deduct	*-549.49*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,311.31	649.87
		For Galvanized Finish, Add	*90.35*	
		For >10 To 20, Deduct	*-152.96*	
		For >20 To 40, Deduct	*-275.80*	
		For >40, Deduct	*-581.71*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,784.50	389.92
		For Galvanized Finish, Add	*120.14*	
		For >10 To 20, Deduct	*-179.68*	
		For >20 To 40, Deduct	*-319.32*	
		For >40, Deduct	*-678.68*	
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,316.73	519.89
		For Galvanized Finish, Add	*128.31*	
		For >10 To 20, Deduct	*-197.07*	
		For >20 To 40, Deduct	*-351.38*	
		For >40, Deduct	*-745.52*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,481.14	584.88
		For Galvanized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-281.70*	
		For >20 To 40, Deduct	*-500.28*	
		For >40, Deduct	*-1,063.68*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,882.11	389.92
		For Galvanized Finish, Add	*123.07*	
		For >10 To 20, Deduct	*-183.59*	
		For >20 To 40, Deduct	*-326.15*	
		For >40, Deduct	*-693.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,884.42	519.89
		For Galvanized Finish, Add	*145.34*	
		For >10 To 20, Deduct	*-219.78*	
		For >20 To 40, Deduct	*-391.11*	
		For >40, Deduct	*-830.67*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,326.26	584.88
		For Galvanized Finish, Add	*214.70*	
		For >10 To 20, Deduct	*-315.50*	
		For >20 To 40, Deduct	*-559.44*	
		For >40, Deduct	*-1,190.45*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,570.29	617.38
		For Galvanized Finish, Add	*250.07*	
		For >10 To 20, Deduct	*-364.29*	
		For >20 To 40, Deduct	*-645.23*	
		For >40, Deduct	*-1,373.81*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,271.57	649.87
		For Galvanized Finish, Add	*299.15*	
		For >10 To 20, Deduct	*-431.37*	
		For >20 To 40, Deduct	*-763.02*	
		For >40, Deduct	*-1,625.75*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,630.37	389.92
		For Galvanized Finish, Add	*115.52*	
		For >10 To 20, Deduct	*-173.52*	
		For >20 To 40, Deduct	*-308.53*	
		For >40, Deduct	*-655.56*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,070.14	519.89
		For Galvanized Finish, Add	*120.91*	
		For >10 To 20, Deduct	*-187.21*	
		For >20 To 40, Deduct	*-334.11*	
		For >40, Deduct	*-708.53*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,047.03	584.88
		For Galvanized Finish, Add	*176.32*	
		For >10 To 20, Deduct	*-264.33*	
		For >20 To 40, Deduct	*-469.90*	
		For >40, Deduct	*-998.57*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,807.62	389.92
		For Galvanized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-180.61*	
		For >20 To 40, Deduct	*-320.94*	
		For >40, Deduct	*-682.15*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,653.24	519.89
		For Galvanized Finish, Add	*138.40*	
		For >10 To 20, Deduct	*-210.53*	
		For >20 To 40, Deduct	*-374.93*	
		For >40, Deduct	*-796.00*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	8,005.16	584.88
		For Galvanized Finish, Add	*205.06*	
		For >10 To 20, Deduct	*-302.66*	
		For >20 To 40, Deduct	*-536.97*	
		For >40, Deduct	*-1,142.29*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,079.90	389.92
		For Galvanized Finish, Add	*129.00*	
		For >10 To 20, Deduct	*-191.50*	
		For >20 To 40, Deduct	*-340.00*	
		For >40, Deduct	*-722.99*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,143.87	519.89
		For Galvanized Finish, Add	*153.12*	
		For >10 To 20, Deduct	*-230.16*	
		For >20 To 40, Deduct	*-409.28*	
		For >40, Deduct	*-869.59*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,583.13	584.88
		For Galvanized Finish, Add	*222.40*	
		For >10 To 20, Deduct	*-325.78*	
		For >20 To 40, Deduct	*-577.42*	
		For >40, Deduct	*-1,228.98*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,883.67	617.38
		For Galvanized Finish, Add	*259.47*	
		For >10 To 20, Deduct	*-376.83*	
		For >20 To 40, Deduct	*-667.16*	
		For >40, Deduct	*-1,420.81*	
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,438.54	649.87
		For Galvanized Finish, Add	*304.16*	
		For >10 To 20, Deduct	*-438.05*	
		For >20 To 40, Deduct	*-774.70*	
		For >40, Deduct	*-1,650.79*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,598.20	389.92
		For Galvanized Finish, Add	*84.55*	
		For >10 To 20, Deduct	*-132.23*	
		For >20 To 40, Deduct	*-236.28*	
		For >40, Deduct	*-500.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,355.65	519.89
		For Galvanized Finish, Add	*99.48*	
		For >10 To 20, Deduct	*-158.63*	
		For >20 To 40, Deduct	*-284.10*	
		For >40, Deduct	*-601.36*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,845.47	584.88
		For Galvanized Finish, Add	*110.27*	
		For >10 To 20, Deduct	*-176.27*	
		For >20 To 40, Deduct	*-315.79*	
		For >40, Deduct	*-668.33*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,386.21	617.38
		For Galvanized Finish, Add	*124.54*	
		For >10 To 20, Deduct	*-196.93*	
		For >20 To 40, Deduct	*-352.34*	
		For >40, Deduct	*-746.19*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,678.23	649.87
		For Galvanized Finish, Add	*131.35*	
		For >10 To 20, Deduct	*-207.63*	
		For >20 To 40, Deduct	*-371.48*	
		For >40, Deduct	*-786.75*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,682.56	389.92
		For Galvanized Finish, Add	*117.08*	
		For >10 To 20, Deduct	*-175.60*	
		For >20 To 40, Deduct	*-312.18*	
		For >40, Deduct	*-663.39*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,205.75	519.89
		For Galvanized Finish, Add	*124.98*	
		For >10 To 20, Deduct	*-192.63*	
		For >20 To 40, Deduct	*-343.61*	
		For >40, Deduct	*-728.87*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,541.00	584.88
		For Galvanized Finish, Add	*131.14*	
		For >10 To 20, Deduct	*-204.09*	
		For >20 To 40, Deduct	*-364.47*	
		For >40, Deduct	*-772.66*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,178.57	584.88
		For Galvanized Finish, Add	*150.26*	
		For >10 To 20, Deduct	*-229.60*	
		For >20 To 40, Deduct	*-409.10*	
		For >40, Deduct	*-868.30*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,702.41	617.38
		For Galvanized Finish, Add	*164.03*	
		For >10 To 20, Deduct	*-249.58*	
		For >20 To 40, Deduct	*-444.47*	
		For >40, Deduct	*-943.62*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,492.13	617.38
		For Galvanized Finish, Add	*187.72*	
		For >10 To 20, Deduct	*-281.16*	
		For >20 To 40, Deduct	*-499.75*	
		For >40, Deduct	*-1,062.08*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,803.64	649.87
		For Galvanized Finish, Add	*165.12*	
		For >10 To 20, Deduct	*-252.65*	
		For >20 To 40, Deduct	*-450.26*	
		For >40, Deduct	*-955.56*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,747.75	649.87
		For Galvanized Finish, Add	*223.44*	
		For >10 To 20, Deduct	*-330.41*	
		For >20 To 40, Deduct	*-586.35*	
		For >40, Deduct	*-1,247.18*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,012.26	844.82
		For Galvanized Finish, Add	*189.68*	
		For >10 To 20, Deduct	*-295.15*	
		For >20 To 40, Deduct	*-527.07*	
		For >40, Deduct	*-1,117.36*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,338.12	844.82
		For Galvanized Finish, Add	*229.45*	
		For >10 To 20, Deduct	*-348.18*	
		For >20 To 40, Deduct	*-619.88*	
		For >40, Deduct	*-1,316.24*	
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,665.67	974.80
		For Galvanized Finish, Add	*231.48*	
		For >10 To 20, Deduct	*-357.38*	
		For >20 To 40, Deduct	*-637.61*	
		For >40, Deduct	*-1,352.37*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	85.62
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	127.34
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	129.53

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0295		Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*		
26 56 13 00-0296		Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*		
26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	800.04	194.96
		For Bronze Or Satin Anodized Finish, Add	*41.01*	
		For Black Anodized Finish, Add	*82.02*	
		For >10 To 20, Deduct	*-26.15*	
		For >20 To 40, Deduct	*-48.20*	
		For >40, Deduct	*-100.51*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	886.06	227.46
		For Bronze Or Satin Anodized Finish, Add	*43.12*	
		For Black Anodized Finish, Add	*86.23*	
		For >10 To 20, Deduct	*-28.62*	
		For >20 To 40, Deduct	*-52.93*	
		For >40, Deduct	*-110.16*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	977.34	259.95
		For Bronze Or Satin Anodized Finish, Add	*45.75*	
		For Black Anodized Finish, Add	*91.49*	
		For >10 To 20, Deduct	*-31.30*	
		For >20 To 40, Deduct	*-58.02*	
		For >40, Deduct	*-120.61*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,069.67	292.44
		For Bronze Or Satin Anodized Finish, Add	*48.48*	
		For Black Anodized Finish, Add	*96.96*	
		For >10 To 20, Deduct	*-34.01*	
		For >20 To 40, Deduct	*-63.18*	
		For >40, Deduct	*-131.21*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,120.04	308.69
		For Bronze Or Satin Anodized Finish, Add	*50.27*	
		For Black Anodized Finish, Add	*100.53*	
		For >10 To 20, Deduct	*-35.54*	
		For >20 To 40, Deduct	*-66.06*	
		For >40, Deduct	*-137.14*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,169.36	324.93
		For Bronze Or Satin Anodized Finish, Add	*51.95*	
		For Black Anodized Finish, Add	*103.90*	
		For >10 To 20, Deduct	*-37.03*	
		For >20 To 40, Deduct	*-68.86*	
		For >40, Deduct	*-142.91*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,232.46	324.93
		For Bronze Or Satin Anodized Finish, Add	*58.26*	
		For Black Anodized Finish, Add	*116.52*	
		For >10 To 20, Deduct	*-39.55*	
		For >20 To 40, Deduct	*-73.27*	
		For >40, Deduct	*-152.38*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,337.40	357.43
		For Bronze Or Satin Anodized Finish, Add	*62.26*	
		For Black Anodized Finish, Add	*124.51*	
		For >10 To 20, Deduct	*-42.77*	
		For >20 To 40, Deduct	*-79.32*	
		For >40, Deduct	*-164.87*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,436.04	389.92
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.24*	
		For >10 To 20, Deduct	*-45.74*	
		For >20 To 40, Deduct	*-84.93*	
		For >40, Deduct	*-176.41*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,352.45	308.69
		For Bronze Or Satin Anodized Finish, Add	*73.51*	
		For Black Anodized Finish, Add	*147.01*	
		For >10 To 20, Deduct	*-44.84*	
		For >20 To 40, Deduct	*-82.32*	
		For >40, Deduct	*-172.00*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,668.44	389.92
		For Bronze Or Satin Anodized Finish, Add	*88.86*	
		For Black Anodized Finish, Add	*177.72*	
		For >10 To 20, Deduct	*-55.04*	
		For >20 To 40, Deduct	*-101.19*	
		For >40, Deduct	*-211.27*	
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,786.22	389.92
		For Bronze Or Satin Anodized Finish, Add	*100.64*	
		For Black Anodized Finish, Add	*201.28*	
		For >10 To 20, Deduct	*-59.75*	
		For >20 To 40, Deduct	*-109.44*	
		For >40, Deduct	*-228.94*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,156.59	519.89
		For Bronze Or Satin Anodized Finish, Add	*111.68*	
		For Black Anodized Finish, Add	*223.36*	
		For >10 To 20, Deduct	*-70.67*	
		For >20 To 40, Deduct	*-130.17*	
		For >40, Deduct	*-271.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,495.83	584.88
		For Bronze Or Satin Anodized Finish, Add	*132.61*	
		For Black Anodized Finish, Add	*265.21*	
		For >10 To 20, Deduct	*-82.29*	
		For >20 To 40, Deduct	*-151.31*	
		For >40, Deduct	*-315.89*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,508.60	389.92
		For Bronze Or Satin Anodized Finish, Add	*72.88*	
		For Black Anodized Finish, Add	*145.75*	
		For >10 To 20, Deduct	*-48.65*	
		For >20 To 40, Deduct	*-90.01*	
		For >40, Deduct	*-187.30*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,776.76	389.92
		For Bronze Or Satin Anodized Finish, Add	*99.69*	
		For Black Anodized Finish, Add	*199.38*	
		For >10 To 20, Deduct	*-59.37*	
		For >20 To 40, Deduct	*-108.78*	
		For >40, Deduct	*-227.52*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,139.76	519.89
		For Bronze Or Satin Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*219.99*	
		For >10 To 20, Deduct	*-69.99*	
		For >20 To 40, Deduct	*-128.99*	
		For >40, Deduct	*-268.97*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,292.25	519.89
		For Bronze Or Satin Anodized Finish, Add	*125.25*	
		For Black Anodized Finish, Add	*250.49*	
		For >10 To 20, Deduct	*-76.09*	
		For >20 To 40, Deduct	*-139.66*	
		For >40, Deduct	*-291.85*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,668.29	584.88
		For Bronze Or Satin Anodized Finish, Add	*149.85*	
		For Black Anodized Finish, Add	*299.71*	
		For >10 To 20, Deduct	*-89.19*	
		For >20 To 40, Deduct	*-163.39*	
		For >40, Deduct	*-341.76*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	907.31	194.96
		For Bronze, Satin Or Black Anodized Finish, Add	*77.61*	
		For >10 To 20, Deduct	*-30.44*	
		For >20 To 40, Deduct	*-55.71*	
		For >40, Deduct	*-116.60*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,014.35	227.46
		For Bronze, Satin Or Black Anodized Finish, Add	*83.92*	
		For >10 To 20, Deduct	*-33.75*	
		For >20 To 40, Deduct	*-61.91*	
		For >40, Deduct	*-129.41*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,117.20	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*89.60*	
		For >10 To 20, Deduct	*-36.89*	
		For >20 To 40, Deduct	*-67.81*	
		For >40, Deduct	*-141.59*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,200.07	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*92.28*	
		For >10 To 20, Deduct	*-39.23*	
		For >20 To 40, Deduct	*-72.31*	
		For >40, Deduct	*-150.77*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,295.55	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*96.85*	
		For >10 To 20, Deduct	*-42.07*	
		For >20 To 40, Deduct	*-77.69*	
		For >40, Deduct	*-161.84*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,036.43	227.46
		For Bronze, Satin Or Black Anodized Finish, Add	*87.23*	
		For >10 To 20, Deduct	*-34.63*	
		For >20 To 40, Deduct	*-63.45*	
		For >40, Deduct	*-132.72*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,137.18	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*92.59*	
		For >10 To 20, Deduct	*-37.69*	
		For >20 To 40, Deduct	*-69.20*	
		For >40, Deduct	*-144.58*	
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,241.08	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*98.43*	
		For >10 To 20, Deduct	*-40.87*	
		For >20 To 40, Deduct	*-75.18*	
		For >40, Deduct	*-156.92*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,343.93	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*104.11*	
		For >10 To 20, Deduct	*-44.01*	
		For >20 To 40, Deduct	*-81.08*	
		For >40, Deduct	*-169.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,452.02	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*110.58*	
		For >10 To 20, Deduct	*-47.36*	
		For >20 To 40, Deduct	*-87.34*	
		For >40, Deduct	*-182.06*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,553.82	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*116.10*	
		For >10 To 20, Deduct	*-50.46*	
		For >20 To 40, Deduct	*-93.17*	
		For >40, Deduct	*-194.08*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,178.19	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*98.75*	
		For >10 To 20, Deduct	*-39.33*	
		For >20 To 40, Deduct	*-72.08*	
		For >40, Deduct	*-150.73*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,289.45	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*105.69*	
		For >10 To 20, Deduct	*-42.80*	
		For >20 To 40, Deduct	*-78.56*	
		For >40, Deduct	*-164.17*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,399.66	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*112.47*	
		For >10 To 20, Deduct	*-46.24*	
		For >20 To 40, Deduct	*-84.98*	
		For >40, Deduct	*-177.46*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,511.96	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*119.57*	
		For >10 To 20, Deduct	*-49.76*	
		For >20 To 40, Deduct	*-91.54*	
		For >40, Deduct	*-191.05*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,458.55	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*121.30*	
		For >10 To 20, Deduct	*-48.59*	
		For >20 To 40, Deduct	*-89.10*	
		For >40, Deduct	*-186.29*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,691.58	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*136.76*	
		For >10 To 20, Deduct	*-55.97*	
		For >20 To 40, Deduct	*-102.81*	
		For >40, Deduct	*-214.75*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,217.10	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*104.58*	
		For >10 To 20, Deduct	*-40.89*	
		For >20 To 40, Deduct	*-74.80*	
		For >40, Deduct	*-156.57*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,339.93	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*113.26*	
		For >10 To 20, Deduct	*-44.82*	
		For >20 To 40, Deduct	*-82.10*	
		For >40, Deduct	*-171.75*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,452.24	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*120.36*	
		For >10 To 20, Deduct	*-48.34*	
		For >20 To 40, Deduct	*-88.66*	
		For >40, Deduct	*-185.34*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,570.85	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*128.40*	
		For >10 To 20, Deduct	*-52.11*	
		For >20 To 40, Deduct	*-95.66*	
		For >40, Deduct	*-199.89*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,686.32	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*135.97*	
		For >10 To 20, Deduct	*-55.76*	
		For >20 To 40, Deduct	*-102.45*	
		For >40, Deduct	*-213.96*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,529.01	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*131.87*	
		For >10 To 20, Deduct	*-51.41*	
		For >20 To 40, Deduct	*-94.03*	
		For >40, Deduct	*-196.86*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,657.08	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*141.33*	
		For >10 To 20, Deduct	*-55.56*	
		For >20 To 40, Deduct	*-101.70*	
		For >40, Deduct	*-212.82*	
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,718.92	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*140.86*	
		For >10 To 20, Deduct	*-57.06*	
		For >20 To 40, Deduct	*-104.73*	
		For >40, Deduct	*-218.85*	

26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*
Note: Includes rubberized undercoating on embedded portion.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	711.92	162.46
		For Bronze Or Satin Anodized Finish, Add	*38.70*	
		For Black Anodized Finish, Add	*77.40*	
		For >10 To 20, Deduct	*-23.60*	
		For >20 To 40, Deduct	*-43.34*	
		For >40, Deduct	*-90.54*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	764.40	178.71
		For Bronze Or Satin Anodized Finish, Add	*40.70*	
		For Black Anodized Finish, Add	*81.39*	
		For >10 To 20, Deduct	*-25.21*	
		For >20 To 40, Deduct	*-46.36*	
		For >40, Deduct	*-96.79*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	844.21	194.96
		For Bronze Or Satin Anodized Finish, Add	*45.43*	
		For Black Anodized Finish, Add	*90.86*	
		For >10 To 20, Deduct	*-27.92*	
		For >20 To 40, Deduct	*-51.30*	
		For >40, Deduct	*-107.14*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	868.40	194.96
		For Bronze Or Satin Anodized Finish, Add	*47.85*	
		For Black Anodized Finish, Add	*95.70*	
		For >10 To 20, Deduct	*-28.89*	
		For >20 To 40, Deduct	*-52.99*	
		For >40, Deduct	*-110.76*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	898.89	194.96
		For Bronze Or Satin Anodized Finish, Add	*50.90*	
		For Black Anodized Finish, Add	*101.79*	
		For >10 To 20, Deduct	*-30.11*	
		For >20 To 40, Deduct	*-55.12*	
		For >40, Deduct	*-115.34*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,023.93	211.21
		For Bronze Or Satin Anodized Finish, Add	*60.15*	
		For Black Anodized Finish, Add	*120.30*	
		For >10 To 20, Deduct	*-34.62*	
		For >20 To 40, Deduct	*-63.23*	
		For >40, Deduct	*-132.47*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,095.32	227.46
		For Bronze Or Satin Anodized Finish, Add	*64.04*	
		For Black Anodized Finish, Add	*128.08*	
		For >10 To 20, Deduct	*-36.99*	
		For >20 To 40, Deduct	*-67.57*	
		For >40, Deduct	*-141.55*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,258.32	227.46
		For Bronze Or Satin Anodized Finish, Add	*80.34*	
		For Black Anodized Finish, Add	*160.68*	
		For >10 To 20, Deduct	*-43.51*	
		For >20 To 40, Deduct	*-78.98*	
		For >40, Deduct	*-166.00*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,532.58	259.95
		For Bronze Or Satin Anodized Finish, Add	*101.27*	
		For Black Anodized Finish, Add	*202.54*	
		For >10 To 20, Deduct	*-53.50*	
		For >20 To 40, Deduct	*-96.88*	
		For >40, Deduct	*-203.89*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,738.49	292.44
		For Bronze Or Satin Anodized Finish, Add	*115.36*	
		For Black Anodized Finish, Add	*230.72*	
		For >10 To 20, Deduct	*-60.77*	
		For >20 To 40, Deduct	*-110.00*	
		For >40, Deduct	*-231.53*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,930.93	292.44
		For Bronze Or Satin Anodized Finish, Add	*134.61*	
		For Black Anodized Finish, Add	*269.21*	
		For >10 To 20, Deduct	*-68.46*	
		For >20 To 40, Deduct	*-123.47*	
		For >40, Deduct	*-260.40*	

26 56 13 00-0354 Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	687.52	194.96
		For Bronze Or Satin Anodized Finish, Add	*29.76*	
		For Black Anodized Finish, Add	*59.52*	
		For >10 To 20, Deduct	*-21.65*	
		For >20 To 40, Deduct	*-40.33*	
		For >40, Deduct	*-83.63*	
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	776.69	227.46
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.36*	
		For >10 To 20, Deduct	*-24.24*	
		For >20 To 40, Deduct	*-45.27*	
		For >40, Deduct	*-93.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	865.87	259.95
		For Bronze Or Satin Anodized Finish, Add	*34.60*	
		For Black Anodized Finish, Add	*69.20*	
		For >10 To 20, Deduct	*-26.84*	
		For >20 To 40, Deduct	*-50.21*	
		For >40, Deduct	*-103.89*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	964.51	292.44
		For Bronze Or Satin Anodized Finish, Add	*37.96*	
		For Black Anodized Finish, Add	*75.93*	
		For >10 To 20, Deduct	*-29.81*	
		For >20 To 40, Deduct	*-55.82*	
		For >40, Deduct	*-115.43*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,062.10	324.93
		For Bronze Or Satin Anodized Finish, Add	*41.22*	
		For Black Anodized Finish, Add	*82.45*	
		For >10 To 20, Deduct	*-32.74*	
		For >20 To 40, Deduct	*-61.35*	
		For >40, Deduct	*-126.82*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	804.03	227.46
		For Bronze Or Satin Anodized Finish, Add	*34.91*	
		For Black Anodized Finish, Add	*69.83*	
		For >10 To 20, Deduct	*-25.34*	
		For >20 To 40, Deduct	*-47.18*	
		For >40, Deduct	*-97.86*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	908.98	259.95
		For Bronze Or Satin Anodized Finish, Add	*38.91*	
		For Black Anodized Finish, Add	*77.82*	
		For >10 To 20, Deduct	*-28.56*	
		For >20 To 40, Deduct	*-53.23*	
		For >40, Deduct	*-110.35*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,010.78	292.44
		For Bronze Or Satin Anodized Finish, Add	*42.59*	
		For Black Anodized Finish, Add	*85.18*	
		For >10 To 20, Deduct	*-31.66*	
		For >20 To 40, Deduct	*-59.06*	
		For >40, Deduct	*-122.37*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,207.00	357.43
		For Bronze Or Satin Anodized Finish, Add	*49.22*	
		For Black Anodized Finish, Add	*98.43*	
		For >10 To 20, Deduct	*-37.56*	
		For >20 To 40, Deduct	*-70.19*	
		For >40, Deduct	*-145.31*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,298.28	389.92
		For Bronze Or Satin Anodized Finish, Add	*51.84*	
		For Black Anodized Finish, Add	*103.69*	
		For >10 To 20, Deduct	*-40.23*	
		For >20 To 40, Deduct	*-75.28*	
		For >40, Deduct	*-155.75*	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	947.89	259.95
		For Bronze Or Satin Anodized Finish, Add	*42.80*	
		For Black Anodized Finish, Add	*85.60*	
		For >10 To 20, Deduct	*-30.12*	
		For >20 To 40, Deduct	*-55.95*	
		For >40, Deduct	*-116.19*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,056.00	292.44
		For Bronze Or Satin Anodized Finish, Add	*47.11*	
		For Black Anodized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-33.47*	
		For >20 To 40, Deduct	*-62.22*	
		For >40, Deduct	*-129.16*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,171.46	324.93
		For Bronze Or Satin Anodized Finish, Add	*52.16*	
		For Black Anodized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-37.11*	
		For >20 To 40, Deduct	*-69.00*	
		For >40, Deduct	*-143.23*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,267.99	357.43
		For Bronze Or Satin Anodized Finish, Add	*55.31*	
		For Black Anodized Finish, Add	*110.63*	
		For >10 To 20, Deduct	*-40.00*	
		For >20 To 40, Deduct	*-74.46*	
		For >40, Deduct	*-154.46*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,379.25	389.92
		For Bronze Or Satin Anodized Finish, Add	*59.94*	
		For Black Anodized Finish, Add	*119.88*	
		For >10 To 20, Deduct	*-43.47*	
		For >20 To 40, Deduct	*-80.95*	
		For >40, Deduct	*-167.90*	
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,274.52	324.93
		For Bronze Or Satin Anodized Finish, Add	*62.47*	
		For Black Anodized Finish, Add	*124.93*	
		For >10 To 20, Deduct	*-41.23*	
		For >20 To 40, Deduct	*-76.22*	
		For >40, Deduct	*-158.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,399.44	357.43
		For Bronze Or Satin Anodized Finish, Add	*68.46*	
		For Black Anodized Finish, Add	*136.92*	
		For >10 To 20, Deduct	*-45.25*	
		For >20 To 40, Deduct	*-83.66*	
		For >40, Deduct	*-174.17*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,481.26	389.92
		For Bronze Or Satin Anodized Finish, Add	*70.14*	
		For Black Anodized Finish, Add	*140.28*	
		For >10 To 20, Deduct	*-47.55*	
		For >20 To 40, Deduct	*-88.09*	
		For >40, Deduct	*-183.20*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,704.83	454.90
		For Bronze Or Satin Anodized Finish, Add	*79.50*	
		For Black Anodized Finish, Add	*159.00*	
		For >10 To 20, Deduct	*-54.55*	
		For >20 To 40, Deduct	*-101.14*	
		For >40, Deduct	*-210.23*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,934.70	519.89
		For Bronze Or Satin Anodized Finish, Add	*89.49*	
		For Black Anodized Finish, Add	*178.98*	
		For >10 To 20, Deduct	*-61.79*	
		For >20 To 40, Deduct	*-114.63*	
		For >40, Deduct	*-238.22*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,502.50	357.43
		For Bronze Or Satin Anodized Finish, Add	*78.77*	
		For Black Anodized Finish, Add	*157.53*	
		For >10 To 20, Deduct	*-49.38*	
		For >20 To 40, Deduct	*-90.88*	
		For >40, Deduct	*-189.63*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,606.40	389.92
		For Bronze Or Satin Anodized Finish, Add	*82.66*	
		For Black Anodized Finish, Add	*165.31*	
		For >10 To 20, Deduct	*-52.56*	
		For >20 To 40, Deduct	*-96.85*	
		For >40, Deduct	*-201.97*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,803.68	454.90
		For Bronze Or Satin Anodized Finish, Add	*89.39*	
		For Black Anodized Finish, Add	*178.77*	
		For >10 To 20, Deduct	*-58.50*	
		For >20 To 40, Deduct	*-108.06*	
		For >40, Deduct	*-225.06*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,010.42	519.89
		For Bronze Or Satin Anodized Finish, Add	*97.06*	
		For Black Anodized Finish, Add	*194.13*	
		For >10 To 20, Deduct	*-64.82*	
		For >20 To 40, Deduct	*-119.93*	
		For >40, Deduct	*-249.57*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,160.58	552.39
		For Bronze Or Satin Anodized Finish, Add	*105.58*	
		For Black Anodized Finish, Add	*211.16*	
		For >10 To 20, Deduct	*-69.85*	
		For >20 To 40, Deduct	*-129.15*	
		For >40, Deduct	*-268.85*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,312.85	584.88
		For Bronze Or Satin Anodized Finish, Add	*114.31*	
		For Black Anodized Finish, Add	*228.62*	
		For >10 To 20, Deduct	*-74.97*	
		For >20 To 40, Deduct	*-138.50*	
		For >40, Deduct	*-288.44*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,901.48	454.90
		For Bronze Or Satin Anodized Finish, Add	*99.17*	
		For Black Anodized Finish, Add	*198.33*	
		For >10 To 20, Deduct	*-62.41*	
		For >20 To 40, Deduct	*-114.91*	
		For >40, Deduct	*-239.73*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,075.62	519.89
		For Bronze Or Satin Anodized Finish, Add	*103.58*	
		For Black Anodized Finish, Add	*207.17*	
		For >10 To 20, Deduct	*-67.43*	
		For >20 To 40, Deduct	*-124.50*	
		For >40, Deduct	*-259.35*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,231.03	552.39
		For Bronze Or Satin Anodized Finish, Add	*112.63*	
		For Black Anodized Finish, Add	*225.25*	
		For >10 To 20, Deduct	*-72.67*	
		For >20 To 40, Deduct	*-134.08*	
		For >40, Deduct	*-279.42*	
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,422.22	584.88
		For Bronze Or Satin Anodized Finish, Add	*125.25*	
		For Black Anodized Finish, Add	*250.49*	
		For >10 To 20, Deduct	*-79.34*	
		For >20 To 40, Deduct	*-146.16*	
		For >40, Deduct	*-304.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,502.03	601.13
		For Bronze Or Satin Anodized Finish, Add	*129.98*	
		For Black Anodized Finish, Add	*259.96*	
		For >10 To 20, Deduct	*-82.05*	
		For >20 To 40, Deduct	*-151.10*	
		For >40, Deduct	*-315.19*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,661.76	617.38
		For Bronze Or Satin Anodized Finish, Add	*142.70*	
		For Black Anodized Finish, Add	*285.40*	
		For >10 To 20, Deduct	*-87.95*	
		For >20 To 40, Deduct	*-161.63*	
		For >40, Deduct	*-337.53*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	991.01	259.95
		For Bronze Or Satin Anodized Finish, Add	*47.11*	
		For Black Anodized Finish, Add	*94.22*	
		For >10 To 20, Deduct	*-31.84*	
		For >20 To 40, Deduct	*-58.97*	
		For >40, Deduct	*-122.66*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,106.47	292.44
		For Bronze Or Satin Anodized Finish, Add	*52.16*	
		For Black Anodized Finish, Add	*104.32*	
		For >10 To 20, Deduct	*-35.49*	
		For >20 To 40, Deduct	*-65.76*	
		For >40, Deduct	*-136.73*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,226.15	324.93
		For Bronze Or Satin Anodized Finish, Add	*57.63*	
		For Black Anodized Finish, Add	*115.26*	
		For >10 To 20, Deduct	*-39.30*	
		For >20 To 40, Deduct	*-72.83*	
		For >40, Deduct	*-151.43*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,334.24	357.43
		For Bronze Or Satin Anodized Finish, Add	*61.94*	
		For Black Anodized Finish, Add	*123.88*	
		For >10 To 20, Deduct	*-42.65*	
		For >20 To 40, Deduct	*-79.10*	
		For >40, Deduct	*-164.39*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,441.30	389.92
		For Bronze Or Satin Anodized Finish, Add	*66.15*	
		For Black Anodized Finish, Add	*132.29*	
		For >10 To 20, Deduct	*-45.95*	
		For >20 To 40, Deduct	*-85.29*	
		For >40, Deduct	*-177.20*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,340.77	324.93
		For Bronze Or Satin Anodized Finish, Add	*69.09*	
		For Black Anodized Finish, Add	*138.18*	
		For >10 To 20, Deduct	*-43.88*	
		For >20 To 40, Deduct	*-80.86*	
		For >40, Deduct	*-168.62*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,468.85	357.43
		For Bronze Or Satin Anodized Finish, Add	*75.40*	
		For Black Anodized Finish, Add	*150.80*	
		For >10 To 20, Deduct	*-48.03*	
		For >20 To 40, Deduct	*-88.52*	
		For >40, Deduct	*-184.59*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,564.33	389.92
		For Bronze Or Satin Anodized Finish, Add	*78.45*	
		For Black Anodized Finish, Add	*156.90*	
		For >10 To 20, Deduct	*-50.88*	
		For >20 To 40, Deduct	*-93.91*	
		For >40, Deduct	*-195.66*	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,782.65	454.90
		For Bronze Or Satin Anodized Finish, Add	*87.28*	
		For Black Anodized Finish, Add	*174.57*	
		For >10 To 20, Deduct	*-57.66*	
		For >20 To 40, Deduct	*-106.59*	
		For >40, Deduct	*-221.91*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,007.26	519.89
		For Bronze Or Satin Anodized Finish, Add	*96.75*	
		For Black Anodized Finish, Add	*193.49*	
		For >10 To 20, Deduct	*-64.69*	
		For >20 To 40, Deduct	*-119.71*	
		For >40, Deduct	*-249.10*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,020.31	454.90
		For Bronze Or Satin Anodized Finish, Add	*111.05*	
		For Black Anodized Finish, Add	*222.10*	
		For >10 To 20, Deduct	*-67.17*	
		For >20 To 40, Deduct	*-123.23*	
		For >40, Deduct	*-257.56*	
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,233.36	519.89
		For Bronze Or Satin Anodized Finish, Add	*119.36*	
		For Black Anodized Finish, Add	*238.71*	
		For >10 To 20, Deduct	*-73.74*	
		For >20 To 40, Deduct	*-135.54*	
		For >40, Deduct	*-283.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,401.39	552.39
		For Bronze Or Satin Anodized Finish, Add	*129.66*	
		For Black Anodized Finish, Add	*259.32*	
		For >10 To 20, Deduct	*-79.48*	
		For >20 To 40, Deduct	*-146.00*	
		For >40, Deduct	*-304.97*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,551.56	584.88
		For Bronze Or Satin Anodized Finish, Add	*138.18*	
		For Black Anodized Finish, Add	*276.36*	
		For >10 To 20, Deduct	*-84.52*	
		For >20 To 40, Deduct	*-155.21*	
		For >40, Deduct	*-324.25*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,686.06	601.13
		For Bronze Or Satin Anodized Finish, Add	*148.38*	
		For Black Anodized Finish, Add	*296.76*	
		For >10 To 20, Deduct	*-89.41*	
		For >20 To 40, Deduct	*-163.98*	
		For >40, Deduct	*-342.80*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,803.73	617.38
		For Bronze Or Satin Anodized Finish, Add	*156.90*	
		For Black Anodized Finish, Add	*313.80*	
		For >10 To 20, Deduct	*-93.63*	
		For >20 To 40, Deduct	*-171.57*	
		For >40, Deduct	*-358.82*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,904.58	633.62
		For Bronze Or Satin Anodized Finish, Add	*163.73*	
		For Black Anodized Finish, Add	*327.47*	
		For >10 To 20, Deduct	*-97.17*	
		For >20 To 40, Deduct	*-177.98*	
		For >40, Deduct	*-372.33*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,084.31	649.87
		For Bronze Or Satin Anodized Finish, Add	*178.46*	
		For Black Anodized Finish, Add	*356.91*	
		For >10 To 20, Deduct	*-103.88*	
		For >20 To 40, Deduct	*-189.91*	
		For >40, Deduct	*-397.66*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,855.68	552.39
		For Bronze Or Satin Anodized Finish, Add	*175.09*	
		For Black Anodized Finish, Add	*350.18*	
		For >10 To 20, Deduct	*-97.66*	
		For >20 To 40, Deduct	*-177.80*	
		For >40, Deduct	*-373.11*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,077.36	584.88
		For Bronze Or Satin Anodized Finish, Add	*190.76*	
		For Black Anodized Finish, Add	*381.52*	
		For >10 To 20, Deduct	*-105.55*	
		For >20 To 40, Deduct	*-192.02*	
		For >40, Deduct	*-403.12*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,232.89	601.13
		For Bronze Or Satin Anodized Finish, Add	*203.06*	
		For Black Anodized Finish, Add	*406.13*	
		For >10 To 20, Deduct	*-111.28*	
		For >20 To 40, Deduct	*-202.26*	
		For >40, Deduct	*-424.82*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,351.61	617.38
		For Bronze Or Satin Anodized Finish, Add	*211.69*	
		For Black Anodized Finish, Add	*423.37*	
		For >10 To 20, Deduct	*-115.54*	
		For >20 To 40, Deduct	*-209.92*	
		For >40, Deduct	*-441.00*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,418.81	633.62
		For Bronze Or Satin Anodized Finish, Add	*215.16*	
		For Black Anodized Finish, Add	*430.31*	
		For >10 To 20, Deduct	*-117.74*	
		For >20 To 40, Deduct	*-213.97*	
		For >40, Deduct	*-449.46*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,616.41	649.87
		For Bronze Or Satin Anodized Finish, Add	*231.67*	
		For Black Anodized Finish, Add	*463.33*	
		For >10 To 20, Deduct	*-125.16*	
		For >20 To 40, Deduct	*-227.15*	
		For >40, Deduct	*-477.47*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,711.61	552.39
		For Bronze Or Satin Anodized Finish, Add	*160.68*	
		For Black Anodized Finish, Add	*321.37*	
		For >10 To 20, Deduct	*-91.89*	
		For >20 To 40, Deduct	*-167.72*	
		For >40, Deduct	*-351.50*	
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,914.36	584.88
		For Bronze Or Satin Anodized Finish, Add	*174.46*	
		For Black Anodized Finish, Add	*348.92*	
		For >10 To 20, Deduct	*-99.03*	
		For >20 To 40, Deduct	*-180.61*	
		For >40, Deduct	*-378.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,994.18	601.13
		For Bronze Or Satin Anodized Finish, Add	*179.19*	
		For Black Anodized Finish, Add	*358.39*	
		For >10 To 20, Deduct	*-101.73*	
		For >20 To 40, Deduct	*-185.55*	
		For >40, Deduct	*-389.01*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,194.92	617.38
		For Bronze Or Satin Anodized Finish, Add	*196.02*	
		For Black Anodized Finish, Add	*392.04*	
		For >10 To 20, Deduct	*-109.28*	
		For >20 To 40, Deduct	*-198.95*	
		For >40, Deduct	*-417.50*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,294.72	633.62
		For Bronze Or Satin Anodized Finish, Add	*202.75*	
		For Black Anodized Finish, Add	*405.50*	
		For >10 To 20, Deduct	*-112.78*	
		For >20 To 40, Deduct	*-205.29*	
		For >40, Deduct	*-430.85*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,493.38	649.87
		For Bronze Or Satin Anodized Finish, Add	*219.36*	
		For Black Anodized Finish, Add	*438.73*	
		For >10 To 20, Deduct	*-120.24*	
		For >20 To 40, Deduct	*-218.54*	
		For >40, Deduct	*-459.02*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,369.92	552.39
		For Bronze Or Satin Anodized Finish, Add	*226.52*	
		For Black Anodized Finish, Add	*453.03*	
		For >10 To 20, Deduct	*-118.23*	
		For >20 To 40, Deduct	*-213.80*	
		For >40, Deduct	*-450.25*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,563.20	584.88
		For Bronze Or Satin Anodized Finish, Add	*239.34*	
		For Black Anodized Finish, Add	*478.69*	
		For >10 To 20, Deduct	*-124.98*	
		For >20 To 40, Deduct	*-226.03*	
		For >40, Deduct	*-475.99*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,720.83	601.13
		For Bronze Or Satin Anodized Finish, Add	*251.86*	
		For Black Anodized Finish, Add	*503.72*	
		For >10 To 20, Deduct	*-130.80*	
		For >20 To 40, Deduct	*-236.41*	
		For >40, Deduct	*-498.01*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,963.64	617.38
		For Bronze Or Satin Anodized Finish, Add	*272.89*	
		For Black Anodized Finish, Add	*545.78*	
		For >10 To 20, Deduct	*-140.02*	
		For >20 To 40, Deduct	*-252.76*	
		For >40, Deduct	*-532.81*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,019.28	633.62
		For Bronze Or Satin Anodized Finish, Add	*275.20*	
		For Black Anodized Finish, Add	*550.41*	
		For >10 To 20, Deduct	*-141.76*	
		For >20 To 40, Deduct	*-256.00*	
		For >40, Deduct	*-539.53*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,261.05	649.87
		For Bronze Or Satin Anodized Finish, Add	*296.13*	
		For Black Anodized Finish, Add	*592.26*	
		For >10 To 20, Deduct	*-150.95*	
		For >20 To 40, Deduct	*-272.28*	
		For >40, Deduct	*-574.17*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,397.79	974.80
		For Bronze Or Satin Anodized Finish, Add	*344.82*	
		For Black Anodized Finish, Add	*689.64*	
		For >10 To 20, Deduct	*-186.67*	
		For >20 To 40, Deduct	*-338.85*	
		For >40, Deduct	*-712.19*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,528.18	974.80
		For Bronze Or Satin Anodized Finish, Add	*357.86*	
		For Black Anodized Finish, Add	*715.72*	
		For >10 To 20, Deduct	*-191.88*	
		For >20 To 40, Deduct	*-347.98*	
		For >40, Deduct	*-731.75*	

26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0354)*

26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	913.62	194.96
		For Bronze, Satin Or Black Anodized Finish, Add	*78.56*	
		For >10 To 20, Deduct	*-30.70*	
		For >20 To 40, Deduct	*-56.16*	
		For >40, Deduct	*-117.55*	
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,000.68	227.46
		For Bronze, Satin Or Black Anodized Finish, Add	*81.87*	
		For >10 To 20, Deduct	*-33.20*	
		For >20 To 40, Deduct	*-60.95*	
		For >40, Deduct	*-127.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,088.81	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*85.34*	
		For >10 To 20, Deduct	*-35.75*	
		For >20 To 40, Deduct	*-65.82*	
		For >40, Deduct	*-137.33*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,179.03	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*89.12*	
		For >10 To 20, Deduct	*-38.39*	
		For >20 To 40, Deduct	*-70.83*	
		For >40, Deduct	*-147.61*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,268.21	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*92.75*	
		For >10 To 20, Deduct	*-40.98*	
		For >20 To 40, Deduct	*-75.78*	
		For >40, Deduct	*-157.74*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,013.30	227.46
		For Bronze, Satin Or Black Anodized Finish, Add	*83.76*	
		For >10 To 20, Deduct	*-33.71*	
		For >20 To 40, Deduct	*-61.83*	
		For >40, Deduct	*-129.25*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,103.53	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*87.55*	
		For >10 To 20, Deduct	*-36.34*	
		For >20 To 40, Deduct	*-66.85*	
		For >40, Deduct	*-139.54*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,195.86	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*91.65*	
		For >10 To 20, Deduct	*-39.06*	
		For >20 To 40, Deduct	*-72.01*	
		For >40, Deduct	*-150.14*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,287.14	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*95.59*	
		For >10 To 20, Deduct	*-41.74*	
		For >20 To 40, Deduct	*-77.10*	
		For >40, Deduct	*-160.58*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,392.08	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*101.58*	
		For >10 To 20, Deduct	*-44.96*	
		For >20 To 40, Deduct	*-83.15*	
		For >40, Deduct	*-173.07*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,487.57	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*106.16*	
		For >10 To 20, Deduct	*-47.81*	
		For >20 To 40, Deduct	*-88.53*	
		For >40, Deduct	*-184.14*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,144.54	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*93.70*	
		For >10 To 20, Deduct	*-37.98*	
		For >20 To 40, Deduct	*-69.72*	
		For >40, Deduct	*-145.69*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,242.13	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-40.91*	
		For >20 To 40, Deduct	*-75.25*	
		For >40, Deduct	*-157.08*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,352.34	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*105.37*	
		For >10 To 20, Deduct	*-44.35*	
		For >20 To 40, Deduct	*-81.67*	
		For >40, Deduct	*-170.36*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,452.02	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*110.58*	
		For >10 To 20, Deduct	*-47.36*	
		For >20 To 40, Deduct	*-87.34*	
		For >40, Deduct	*-182.06*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,565.39	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*117.83*	
		For >10 To 20, Deduct	*-50.92*	
		For >20 To 40, Deduct	*-93.98*	
		For >40, Deduct	*-195.82*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,412.28	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*114.36*	
		For >10 To 20, Deduct	*-46.74*	
		For >20 To 40, Deduct	*-85.86*	
		For >40, Deduct	*-179.35*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,532.99	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*122.72*	
		For >10 To 20, Deduct	*-50.60*	
		For >20 To 40, Deduct	*-93.01*	
		For >40, Deduct	*-194.21*	
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,630.58	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*127.61*	
		For >10 To 20, Deduct	*-53.53*	
		For >20 To 40, Deduct	*-98.54*	
		For >40, Deduct	*-205.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,177.14	259.95
		For Bronze, Satin Or Black Anodized Finish, Add	*98.59*	
		For >10 To 20, Deduct	*-39.29*	
		For >20 To 40, Deduct	*-72.00*	
		For >40, Deduct	*-150.58*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,291.56	292.44
		For Bronze, Satin Or Black Anodized Finish, Add	*106.00*	
		For >10 To 20, Deduct	*-42.89*	
		For >20 To 40, Deduct	*-78.71*	
		For >40, Deduct	*-164.49*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,412.28	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*114.36*	
		For >10 To 20, Deduct	*-46.74*	
		For >20 To 40, Deduct	*-85.86*	
		For >40, Deduct	*-179.35*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,520.38	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*120.83*	
		For >10 To 20, Deduct	*-50.09*	
		For >20 To 40, Deduct	*-92.13*	
		For >40, Deduct	*-192.31*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,635.84	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*128.40*	
		For >10 To 20, Deduct	*-53.74*	
		For >20 To 40, Deduct	*-98.91*	
		For >40, Deduct	*-206.38*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,480.63	324.93
		For Bronze, Satin Or Black Anodized Finish, Add	*124.61*	
		For >10 To 20, Deduct	*-49.48*	
		For >20 To 40, Deduct	*-90.65*	
		For >40, Deduct	*-189.60*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,609.76	357.43
		For Bronze, Satin Or Black Anodized Finish, Add	*134.24*	
		For >10 To 20, Deduct	*-53.67*	
		For >20 To 40, Deduct	*-98.39*	
		For >40, Deduct	*-205.72*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,712.61	389.92
		For Bronze, Satin Or Black Anodized Finish, Add	*139.92*	
		For >10 To 20, Deduct	*-56.81*	
		For >20 To 40, Deduct	*-104.29*	
		For >40, Deduct	*-217.90*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	636.20	162.46
		For Bronze Or Satin Anodized Finish, Add	*31.13*	
		For Black Anodized Finish, Add	*62.25*	
		For >10 To 20, Deduct	*-20.57*	
		For >20 To 40, Deduct	*-38.04*	
		For >40, Deduct	*-79.18*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	665.65	162.46
		For Bronze Or Satin Anodized Finish, Add	*34.07*	
		For Black Anodized Finish, Add	*68.14*	
		For >10 To 20, Deduct	*-21.75*	
		For >20 To 40, Deduct	*-40.10*	
		For >40, Deduct	*-83.60*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	722.34	178.71
		For Bronze Or Satin Anodized Finish, Add	*36.49*	
		For Black Anodized Finish, Add	*72.98*	
		For >10 To 20, Deduct	*-23.53*	
		For >20 To 40, Deduct	*-43.42*	
		For >40, Deduct	*-90.48*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	771.65	194.96
		For Bronze Or Satin Anodized Finish, Add	*38.17*	
		For Black Anodized Finish, Add	*76.35*	
		For >10 To 20, Deduct	*-25.02*	
		For >20 To 40, Deduct	*-46.22*	
		For >40, Deduct	*-96.25*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	809.51	194.96
		For Bronze Or Satin Anodized Finish, Add	*41.96*	
		For Black Anodized Finish, Add	*83.92*	
		For >10 To 20, Deduct	*-26.53*	
		For >20 To 40, Deduct	*-48.87*	
		For >40, Deduct	*-101.93*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	750.73	178.71
		For Bronze Or Satin Anodized Finish, Add	*39.33*	
		For Black Anodized Finish, Add	*78.66*	
		For >10 To 20, Deduct	*-24.67*	
		For >20 To 40, Deduct	*-45.40*	
		For >40, Deduct	*-94.74*	
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	812.66	194.96
		For Bronze Or Satin Anodized Finish, Add	*42.27*	
		For Black Anodized Finish, Add	*84.55*	
		For >10 To 20, Deduct	*-26.66*	
		For >20 To 40, Deduct	*-49.09*	
		For >40, Deduct	*-102.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	833.70	194.96
		For Bronze Or Satin Anodized Finish, Add	*44.38*	
		For Black Anodized Finish, Add	*88.76*	
		For >10 To 20, Deduct	*-27.50*	
		For >20 To 40, Deduct	*-50.56*	
		For >40, Deduct	*-105.56*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	899.84	211.21
		For Bronze Or Satin Anodized Finish, Add	*47.74*	
		For Black Anodized Finish, Add	*95.49*	
		For >10 To 20, Deduct	*-29.66*	
		For >20 To 40, Deduct	*-54.54*	
		For >40, Deduct	*-113.86*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	961.77	227.46
		For Bronze Or Satin Anodized Finish, Add	*50.69*	
		For Black Anodized Finish, Add	*101.37*	
		For >10 To 20, Deduct	*-31.65*	
		For >20 To 40, Deduct	*-58.23*	
		For >40, Deduct	*-121.52*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	894.69	194.96
		For Bronze Or Satin Anodized Finish, Add	*50.48*	
		For Black Anodized Finish, Add	*100.95*	
		For >10 To 20, Deduct	*-29.94*	
		For >20 To 40, Deduct	*-54.83*	
		For >40, Deduct	*-114.71*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	967.14	211.21
		For Bronze Or Satin Anodized Finish, Add	*54.47*	
		For Black Anodized Finish, Add	*108.95*	
		For >10 To 20, Deduct	*-32.35*	
		For >20 To 40, Deduct	*-59.25*	
		For >40, Deduct	*-123.95*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,034.33	227.46
		For Bronze Or Satin Anodized Finish, Add	*57.94*	
		For Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-34.55*	
		For >20 To 40, Deduct	*-63.31*	
		For >40, Deduct	*-132.40*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,053.37	211.21
		For Bronze Or Satin Anodized Finish, Add	*63.10*	
		For Black Anodized Finish, Add	*126.19*	
		For >10 To 20, Deduct	*-35.80*	
		For >20 To 40, Deduct	*-65.29*	
		For >40, Deduct	*-136.89*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,347.50	259.95
		For Bronze Or Satin Anodized Finish, Add	*82.76*	
		For Black Anodized Finish, Add	*165.52*	
		For >10 To 20, Deduct	*-46.10*	
		For >20 To 40, Deduct	*-83.93*	
		For >40, Deduct	*-176.13*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,466.33	259.95
		For Bronze Or Satin Anodized Finish, Add	*94.64*	
		For Black Anodized Finish, Add	*189.29*	
		For >10 To 20, Deduct	*-50.85*	
		For >20 To 40, Deduct	*-92.25*	
		For >40, Deduct	*-193.96*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,633.33	292.44
		For Bronze Or Satin Anodized Finish, Add	*104.85*	
		For Black Anodized Finish, Add	*209.69*	
		For >10 To 20, Deduct	*-56.56*	
		For >20 To 40, Deduct	*-102.64*	
		For >40, Deduct	*-215.76*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,762.67	292.44
		For Bronze Or Satin Anodized Finish, Add	*117.78*	
		For Black Anodized Finish, Add	*235.56*	
		For >10 To 20, Deduct	*-61.73*	
		For >20 To 40, Deduct	*-111.69*	
		For >40, Deduct	*-235.16*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	824.23	194.96
		For Bronze Or Satin Anodized Finish, Add	*43.43*	
		For Black Anodized Finish, Add	*86.86*	
		For >10 To 20, Deduct	*-27.12*	
		For >20 To 40, Deduct	*-49.90*	
		For >40, Deduct	*-104.14*	
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	911.29	227.46
		For Bronze Or Satin Anodized Finish, Add	*45.64*	
		For Black Anodized Finish, Add	*91.28*	
		For >10 To 20, Deduct	*-29.63*	
		For >20 To 40, Deduct	*-54.69*	
		For >40, Deduct	*-113.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,006.78	259.95
		For Bronze Or Satin Anodized Finish, Add	*48.69*	
		For Black Anodized Finish, Add	*97.38*	
		For >10 To 20, Deduct	*-32.47*	
		For >20 To 40, Deduct	*-60.08*	
		For >40, Deduct	*-125.02*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,101.22	292.44
		For Bronze Or Satin Anodized Finish, Add	*51.63*	
		For Black Anodized Finish, Add	*103.27*	
		For >10 To 20, Deduct	*-35.28*	
		For >20 To 40, Deduct	*-65.39*	
		For >40, Deduct	*-135.94*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,152.64	308.69
		For Bronze Or Satin Anodized Finish, Add	*53.53*	
		For Black Anodized Finish, Add	*107.05*	
		For >10 To 20, Deduct	*-36.84*	
		For >20 To 40, Deduct	*-68.34*	
		For >40, Deduct	*-142.03*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,204.06	324.93
		For Bronze Or Satin Anodized Finish, Add	*55.42*	
		For Black Anodized Finish, Add	*110.84*	
		For >10 To 20, Deduct	*-38.41*	
		For >20 To 40, Deduct	*-71.29*	
		For >40, Deduct	*-148.12*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,304.80	357.43
		For Bronze Or Satin Anodized Finish, Add	*59.00*	
		For Black Anodized Finish, Add	*117.99*	
		For >10 To 20, Deduct	*-41.47*	
		For >20 To 40, Deduct	*-77.04*	
		For >40, Deduct	*-159.98*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,415.01	389.92
		For Bronze Or Satin Anodized Finish, Add	*63.52*	
		For Black Anodized Finish, Add	*127.03*	
		For >10 To 20, Deduct	*-44.90*	
		For >20 To 40, Deduct	*-83.45*	
		For >40, Deduct	*-173.26*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,276.62	324.93
		For Bronze Or Satin Anodized Finish, Add	*62.68*	
		For Black Anodized Finish, Add	*125.35*	
		For >10 To 20, Deduct	*-41.32*	
		For >20 To 40, Deduct	*-76.37*	
		For >40, Deduct	*-159.00*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,379.46	357.43
		For Bronze Or Satin Anodized Finish, Add	*66.46*	
		For Black Anodized Finish, Add	*132.92*	
		For >10 To 20, Deduct	*-44.46*	
		For >20 To 40, Deduct	*-82.27*	
		For >40, Deduct	*-171.18*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,495.98	389.92
		For Bronze Or Satin Anodized Finish, Add	*71.61*	
		For Black Anodized Finish, Add	*143.23*	
		For >10 To 20, Deduct	*-48.14*	
		For >20 To 40, Deduct	*-89.12*	
		For >40, Deduct	*-185.41*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,468.12	308.69
		For Bronze Or Satin Anodized Finish, Add	*85.07*	
		For Black Anodized Finish, Add	*170.15*	
		For >10 To 20, Deduct	*-49.46*	
		For >20 To 40, Deduct	*-90.42*	
		For >40, Deduct	*-189.35*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,797.79	389.92
		For Bronze Or Satin Anodized Finish, Add	*101.80*	
		For Black Anodized Finish, Add	*203.59*	
		For >10 To 20, Deduct	*-60.21*	
		For >20 To 40, Deduct	*-110.25*	
		For >40, Deduct	*-230.68*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,189.19	519.89
		For Bronze Or Satin Anodized Finish, Add	*114.94*	
		For Black Anodized Finish, Add	*229.88*	
		For >10 To 20, Deduct	*-71.97*	
		For >20 To 40, Deduct	*-132.45*	
		For >40, Deduct	*-276.39*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,561.18	389.92
		For Bronze Or Satin Anodized Finish, Add	*78.13*	
		For Black Anodized Finish, Add	*156.27*	
		For >10 To 20, Deduct	*-50.75*	
		For >20 To 40, Deduct	*-93.69*	
		For >40, Deduct	*-195.19*	
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,925.03	389.92
		For Bronze Or Satin Anodized Finish, Add	*114.52*	
		For Black Anodized Finish, Add	*229.04*	
		For >10 To 20, Deduct	*-65.30*	
		For >20 To 40, Deduct	*-119.16*	
		For >40, Deduct	*-249.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,304.86	519.89
		For Bronze Or Satin Anodized Finish, Add	*126.51*	
		For Black Anodized Finish, Add	*253.01*	
		For >10 To 20, Deduct	*-76.60*	
		For >20 To 40, Deduct	*-140.54*	
		For >40, Deduct	*-293.74*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,124.84	389.92
		For Bronze Or Satin Anodized Finish, Add	*134.50*	
		For Black Anodized Finish, Add	*269.00*	
		For >10 To 20, Deduct	*-73.30*	
		For >20 To 40, Deduct	*-133.14*	
		For >40, Deduct	*-279.73*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,565.66	519.89
		For Bronze Or Satin Anodized Finish, Add	*152.59*	
		For Black Anodized Finish, Add	*305.17*	
		For >10 To 20, Deduct	*-87.03*	
		For >20 To 40, Deduct	*-158.80*	
		For >40, Deduct	*-332.86*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,966.94	584.88
		For Bronze Or Satin Anodized Finish, Add	*179.72*	
		For Black Anodized Finish, Add	*359.44*	
		For >10 To 20, Deduct	*-101.13*	
		For >20 To 40, Deduct	*-184.29*	
		For >40, Deduct	*-386.55*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	739.26	162.46
		For Bronze Or Satin Anodized Finish, Add	*41.43*	
		For Black Anodized Finish, Add	*82.87*	
		For >10 To 20, Deduct	*-24.70*	
		For >20 To 40, Deduct	*-45.25*	
		For >40, Deduct	*-94.64*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	825.39	178.71
		For Bronze Or Satin Anodized Finish, Add	*46.80*	
		For Black Anodized Finish, Add	*93.59*	
		For >10 To 20, Deduct	*-27.65*	
		For >20 To 40, Deduct	*-50.63*	
		For >40, Deduct	*-105.94*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	879.97	194.96
		For Bronze Or Satin Anodized Finish, Add	*49.01*	
		For Black Anodized Finish, Add	*98.01*	
		For >10 To 20, Deduct	*-29.35*	
		For >20 To 40, Deduct	*-53.80*	
		For >40, Deduct	*-112.50*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	906.26	194.96
		For Bronze Or Satin Anodized Finish, Add	*51.63*	
		For Black Anodized Finish, Add	*103.27*	
		For >10 To 20, Deduct	*-30.40*	
		For >20 To 40, Deduct	*-55.64*	
		For >40, Deduct	*-116.44*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	938.86	194.96
		For Bronze Or Satin Anodized Finish, Add	*54.89*	
		For Black Anodized Finish, Add	*109.79*	
		For >10 To 20, Deduct	*-31.71*	
		For >20 To 40, Deduct	*-57.92*	
		For >40, Deduct	*-121.33*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,082.81	211.21
		For Bronze Or Satin Anodized Finish, Add	*66.04*	
		For Black Anodized Finish, Add	*132.08*	
		For >10 To 20, Deduct	*-36.98*	
		For >20 To 40, Deduct	*-67.35*	
		For >40, Deduct	*-141.30*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,160.52	227.46
		For Bronze Or Satin Anodized Finish, Add	*70.56*	
		For Black Anodized Finish, Add	*141.12*	
		For >10 To 20, Deduct	*-39.60*	
		For >20 To 40, Deduct	*-72.14*	
		For >40, Deduct	*-151.33*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,325.62	227.46
		For Bronze Or Satin Anodized Finish, Add	*87.07*	
		For Black Anodized Finish, Add	*174.14*	
		For >10 To 20, Deduct	*-46.20*	
		For >20 To 40, Deduct	*-83.70*	
		For >40, Deduct	*-176.10*	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,523.12	259.95
		For Bronze Or Satin Anodized Finish, Add	*100.32*	
		For Black Anodized Finish, Add	*200.65*	
		For >10 To 20, Deduct	*-53.13*	
		For >20 To 40, Deduct	*-96.22*	
		For >40, Deduct	*-202.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,892.23	259.95
		For Bronze Or Satin Anodized Finish, Add	*137.23*	
		For Black Anodized Finish, Add	*274.47*	
		For >10 To 20, Deduct	*-67.89*	
		For >20 To 40, Deduct	*-122.06*	
		For >40, Deduct	*-257.84*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	85.62	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	39.20	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	129.53	

26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,245.42	227.46
		For >10 To 20, Deduct	*-42.99*	
		For >20 To 40, Deduct	*-78.08*	
		For >40, Deduct	*-164.07*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,357.46	259.95
		For >10 To 20, Deduct	*-46.50*	
		For >20 To 40, Deduct	*-84.62*	
		For >40, Deduct	*-177.62*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,470.85	292.44
		For >10 To 20, Deduct	*-50.06*	
		For >20 To 40, Deduct	*-91.26*	
		For >40, Deduct	*-191.38*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,582.90	324.93
		For >10 To 20, Deduct	*-53.57*	
		For >20 To 40, Deduct	*-97.81*	
		For >40, Deduct	*-204.94*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,719.13	357.43
		For >10 To 20, Deduct	*-58.04*	
		For >20 To 40, Deduct	*-106.04*	
		For >40, Deduct	*-222.13*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,833.87	389.92
		For >10 To 20, Deduct	*-61.66*	
		For >20 To 40, Deduct	*-112.77*	
		For >40, Deduct	*-236.09*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,012.24	454.90
		For >10 To 20, Deduct	*-66.84*	
		For >20 To 40, Deduct	*-122.66*	
		For >40, Deduct	*-256.35*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,189.27	519.89
		For >10 To 20, Deduct	*-71.97*	
		For >20 To 40, Deduct	*-132.45*	
		For >40, Deduct	*-276.40*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,298.17	519.89
		For >10 To 20, Deduct	*-76.33*	
		For >20 To 40, Deduct	*-140.08*	
		For >40, Deduct	*-292.74*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,458.60	552.39
		For >10 To 20, Deduct	*-81.77*	
		For >20 To 40, Deduct	*-150.01*	
		For >40, Deduct	*-313.55*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,619.04	584.88
		For >10 To 20, Deduct	*-87.22*	
		For >20 To 40, Deduct	*-159.94*	
		For >40, Deduct	*-334.37*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,369.11	227.46
		For >10 To 20, Deduct	*-47.94*	
		For >20 To 40, Deduct	*-86.74*	
		For >40, Deduct	*-182.62*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,456.95	259.95
		For >10 To 20, Deduct	*-50.48*	
		For >20 To 40, Deduct	*-91.59*	
		For >40, Deduct	*-192.55*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,546.14	292.44
		For >10 To 20, Deduct	*-53.07*	
		For >20 To 40, Deduct	*-96.53*	
		For >40, Deduct	*-202.68*	
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,638.02	324.93
		For >10 To 20, Deduct	*-55.77*	
		For >20 To 40, Deduct	*-101.66*	
		For >40, Deduct	*-213.21*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,736.61	357.43
		For >10 To 20, Deduct	*-58.74*	
		For >20 To 40, Deduct	*-107.27*	
		For >40, Deduct	*-224.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,833.87	389.92
		For >10 To 20, Deduct	*-61.66*	
		For >20 To 40, Deduct	*-112.77*	
		For >40, Deduct	*-236.09*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,996.11	454.90
		For >10 To 20, Deduct	*-66.20*	
		For >20 To 40, Deduct	*-121.53*	
		For >40, Deduct	*-253.93*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,189.27	519.89
		For >10 To 20, Deduct	*-71.97*	
		For >20 To 40, Deduct	*-132.45*	
		For >40, Deduct	*-276.40*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,234.98	519.89
		For >10 To 20, Deduct	*-73.80*	
		For >20 To 40, Deduct	*-135.65*	
		For >40, Deduct	*-283.26*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,347.01	552.39
		For >10 To 20, Deduct	*-77.31*	
		For >20 To 40, Deduct	*-142.20*	
		For >40, Deduct	*-296.81*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,459.06	584.88
		For >10 To 20, Deduct	*-80.82*	
		For >20 To 40, Deduct	*-148.74*	
		For >40, Deduct	*-310.37*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,550.60	227.46
		For >10 To 20, Deduct	*-55.20*	
		For >20 To 40, Deduct	*-99.44*	
		For >40, Deduct	*-209.85*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,657.27	259.95
		For >10 To 20, Deduct	*-58.49*	
		For >20 To 40, Deduct	*-105.61*	
		For >40, Deduct	*-222.60*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,763.94	292.44
		For >10 To 20, Deduct	*-61.78*	
		For >20 To 40, Deduct	*-111.78*	
		For >40, Deduct	*-235.35*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,871.95	324.93
		For >10 To 20, Deduct	*-65.13*	
		For >20 To 40, Deduct	*-118.04*	
		For >40, Deduct	*-248.30*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,985.33	357.43
		For >10 To 20, Deduct	*-68.69*	
		For >20 To 40, Deduct	*-124.68*	
		For >40, Deduct	*-262.06*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,106.78	389.92
		For >10 To 20, Deduct	*-72.57*	
		For >20 To 40, Deduct	*-131.88*	
		For >40, Deduct	*-277.03*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,305.33	454.90
		For >10 To 20, Deduct	*-78.57*	
		For >20 To 40, Deduct	*-143.18*	
		For >40, Deduct	*-300.31*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,505.21	519.89
		For >10 To 20, Deduct	*-84.61*	
		For >20 To 40, Deduct	*-154.57*	
		For >40, Deduct	*-323.79*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,575.12	519.89
		For >10 To 20, Deduct	*-87.41*	
		For >20 To 40, Deduct	*-159.46*	
		For >40, Deduct	*-334.28*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,750.34	552.39
		For >10 To 20, Deduct	*-93.44*	
		For >20 To 40, Deduct	*-170.43*	
		For >40, Deduct	*-357.31*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,894.65	584.88
		For >10 To 20, Deduct	*-98.24*	
		For >20 To 40, Deduct	*-179.23*	
		For >40, Deduct	*-375.71*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,006.46	601.13
		For >10 To 20, Deduct	*-102.22*	
		For >20 To 40, Deduct	*-186.41*	
		For >40, Deduct	*-390.86*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	3,118.27	617.38
		For >10 To 20, Deduct	*-106.21*	
		For >20 To 40, Deduct	*-193.58*	
		For >40, Deduct	*-406.00*	

26 56 13 00-0548 Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*

26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	776.66	162.46
		For >10 To 20, Deduct	*-26.19*	
		For >20 To 40, Deduct	*-47.87*	
		For >40, Deduct	*-100.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	834.70	178.71
		For >10 To 20, Deduct	*-28.03*	
		For >20 To 40, Deduct	*-51.28*	
		For >40, Deduct	*-107.33*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	891.39	194.96
		For >10 To 20, Deduct	*-29.81*	
		For >20 To 40, Deduct	*-54.60*	
		For >40, Deduct	*-114.21*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	914.24	194.96
		For >10 To 20, Deduct	*-30.72*	
		For >20 To 40, Deduct	*-56.20*	
		For >40, Deduct	*-117.64*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	984.38	211.21
		For >10 To 20, Deduct	*-33.04*	
		For >20 To 40, Deduct	*-60.46*	
		For >40, Deduct	*-126.54*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,043.76	227.46
		For >10 To 20, Deduct	*-34.93*	
		For >20 To 40, Deduct	*-63.97*	
		For >40, Deduct	*-133.82*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,107.18	243.70
		For >10 To 20, Deduct	*-36.98*	
		For >20 To 40, Deduct	*-67.75*	
		For >40, Deduct	*-141.71*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,177.31	259.95
		For >10 To 20, Deduct	*-39.29*	
		For >20 To 40, Deduct	*-72.01*	
		For >40, Deduct	*-150.60*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,306.38	259.95
		For >10 To 20, Deduct	*-44.46*	
		For >20 To 40, Deduct	*-81.05*	
		For >40, Deduct	*-169.96*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,467.94	276.20
		For >10 To 20, Deduct	*-50.43*	
		For >20 To 40, Deduct	*-91.71*	
		For >40, Deduct	*-192.57*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,629.49	292.44
		For >10 To 20, Deduct	*-56.41*	
		For >20 To 40, Deduct	*-102.37*	
		For >40, Deduct	*-215.18*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	900.34	162.46
		For >10 To 20, Deduct	*-31.14*	
		For >20 To 40, Deduct	*-56.53*	
		For >40, Deduct	*-118.80*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	965.11	178.71
		For >10 To 20, Deduct	*-33.24*	
		For >20 To 40, Deduct	*-60.41*	
		For >40, Deduct	*-126.90*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,029.86	194.96
		For >10 To 20, Deduct	*-35.35*	
		For >20 To 40, Deduct	*-64.29*	
		For >40, Deduct	*-134.98*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,063.47	194.96
		For >10 To 20, Deduct	*-36.69*	
		For >20 To 40, Deduct	*-66.64*	
		For >40, Deduct	*-140.02*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,128.23	211.21
		For >10 To 20, Deduct	*-38.79*	
		For >20 To 40, Deduct	*-70.53*	
		For >40, Deduct	*-148.11*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,192.99	227.46
		For >10 To 20, Deduct	*-40.90*	
		For >20 To 40, Deduct	*-74.41*	
		For >40, Deduct	*-156.20*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,257.75	243.70
		For >10 To 20, Deduct	*-43.00*	
		For >20 To 40, Deduct	*-78.29*	
		For >40, Deduct	*-164.29*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,353.43	259.95
		For >10 To 20, Deduct	*-46.34*	
		For >20 To 40, Deduct	*-84.34*	
		For >40, Deduct	*-177.02*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,478.46	259.95
		For >10 To 20, Deduct	*-51.34*	
		For >20 To 40, Deduct	*-93.09*	
		For >40, Deduct	*-195.77*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,637.34	276.20
		For >10 To 20, Deduct	*-57.21*	
		For >20 To 40, Deduct	*-103.57*	
		For >40, Deduct	*-217.98*	
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,794.86	292.44
		For >10 To 20, Deduct	*-63.02*	
		For >20 To 40, Deduct	*-113.94*	
		For >40, Deduct	*-239.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,009.24	162.46
		For >10 To 20, Deduct	*-35.50*	
		For >20 To 40, Deduct	*-64.15*	
		For >40, Deduct	*-135.14*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,065.94	178.71
		For >10 To 20, Deduct	*-37.28*	
		For >20 To 40, Deduct	*-67.47*	
		For >40, Deduct	*-142.02*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,121.28	194.96
		For >10 To 20, Deduct	*-39.00*	
		For >20 To 40, Deduct	*-70.69*	
		For >40, Deduct	*-148.70*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,144.14	194.96
		For >10 To 20, Deduct	*-39.92*	
		For >20 To 40, Deduct	*-72.29*	
		For >40, Deduct	*-152.13*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,199.48	211.21
		For >10 To 20, Deduct	*-41.64*	
		For >20 To 40, Deduct	*-75.52*	
		For >40, Deduct	*-158.80*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,256.17	227.46
		For >10 To 20, Deduct	*-43.42*	
		For >20 To 40, Deduct	*-78.83*	
		For >40, Deduct	*-165.68*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,358.58	243.70
		For >10 To 20, Deduct	*-47.03*	
		For >20 To 40, Deduct	*-85.35*	
		For >40, Deduct	*-179.42*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,477.12	259.95
		For >10 To 20, Deduct	*-51.29*	
		For >20 To 40, Deduct	*-93.00*	
		For >40, Deduct	*-195.57*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,555.09	259.95
		For >10 To 20, Deduct	*-54.41*	
		For >20 To 40, Deduct	*-98.46*	
		For >40, Deduct	*-207.27*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,666.91	276.20
		For >10 To 20, Deduct	*-58.39*	
		For >20 To 40, Deduct	*-105.64*	
		For >40, Deduct	*-222.42*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,778.72	292.44
		For >10 To 20, Deduct	*-62.38*	
		For >20 To 40, Deduct	*-112.81*	
		For >40, Deduct	*-237.56*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.67
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.67
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	90.44
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	119.78

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,237.18	552.39
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,358.80	584.88
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,446.59	601.13
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,037.12	617.38
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,372.47	649.87
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,175.73	844.82
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	5,003.56	1,039.79
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,833.07	552.39
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,575.95	584.88
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	699.44	194.96
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,896.33	389.79
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	270.40	79.54
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	555.77	159.09

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,390.50	259.95
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,702.41	324.93
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,985.26	389.92
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,161.16	584.88
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,796.26	617.38
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,482.91	649.87
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,359.48	844.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0610		Round Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	19,369.30	1,462.20
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	23,097.40	1,798.06
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	27,379.72	2,428.95
26 56 13 00-0614		Treated Wood Area Light Poles *(26 56 13 00-0177)*		
		See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		Cast Iron Decorative Light Posts *(26 56 13 00-0177)*		
26 56 13 00-0616		Round Tapered, Cast Iron Decorative Light Post, Anchor Base *(26 56 13 00-0615)*		
		Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,403.99	162.46
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,482.04	187.16
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,606.42	194.96
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,972.65	227.46
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,302.31	246.95
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,647.85	266.45
26 56 13 00-0623		Landscape Light Poles *(26 56 13 00-0001)*		
		Note: Excludes lighting fixtures.		
26 56 13 00-0624		Aluminum Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0625		Round Straight, Aluminum Landscape Light Poles *(26 56 13 00-0624)*		
26 56 13 00-0626		Round Straight, Aluminum Landscape Light Poles, Anchor Base *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	483.50	194.96
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	816.06	259.95
26 56 13 00-0629		Round Straight, Aluminum Landscape Light Poles, Direct Burial *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	439.46	194.96
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	772.02	259.95
26 56 13 00-0632		Steel Landscape Light Poles *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		Round Straight, Steel Landscape Light Poles *(26 56 13 00-0632)*		
26 56 13 00-0634		Round Straight, Steel Landscape Light Poles, Anchor Base *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	536.10	194.96
26 56 13 00-0636		Round Straight, Steel Landscape Light Poles, Direct Burial *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	503.35	194.96
26 56 13 00-0638		Light Pole Brackets And Arms *(26 56 13 00-0001)*		
26 56 13 00-0639		Light Pole Brackets *(26 56 13 00-0638)*		
26 56 13 00-0640		Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0641		Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0642		Steel, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	664.21	38.99
		For Galvanized Finish, Add	*58.62*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	841.08	38.99
		For Galvanized Finish, Add	*76.31*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	895.07	38.99
		For Galvanized Finish, Add	*81.71*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,228.33	38.99
		For Galvanized Finish, Add	*115.04*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,280.23	38.99
		For Galvanized Finish, Add	*120.23*	
26 56 13 00-0648		Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	249.39	38.99
		For Bronze Or Satin Anodized Finish, Add	*17.14*	
		For Black Anodized Finish, Add	*34.28*	
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	304.07	38.99
		For Bronze Or Satin Anodized Finish, Add	*22.61*	
		For Black Anodized Finish, Add	*45.22*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	318.80	38.99
		For Bronze Or Satin Anodized Finish, Add	*24.08*	
		For Black Anodized Finish, Add	*48.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	370.32	38.99
		For Bronze Or Satin Anodized Finish, Add	*29.23*	
		For Black Anodized Finish, Add	*58.47*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	380.84	38.99
		For Bronze Or Satin Anodized Finish, Add	*30.29*	
		For Black Anodized Finish, Add	*60.57*	
26 56 13 00-0654		Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0640)*		
26 56 13 00-0655		Steel, Square Bullhorn Style, Pole Top Area Light Brackets *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	714.71	38.99
		For Galvanized Finish, Add	*63.67*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	884.13	38.99
		For Galvanized Finish, Add	*80.62*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,083.11	38.99
		For Galvanized Finish, Add	*100.51*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,283.02	38.99
		For Galvanized Finish, Add	*120.50*	
26 56 13 00-0660		Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0639)*		
26 56 13 00-0661		Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	672.21	64.98
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,018.97	64.98
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,429.26	64.98
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,564.24	64.98
26 56 13 00-0666		Light Pole Arms *(26 56 13 00-0638)*		
26 56 13 00-0667		Wood Pole Streetlight Arms *(26 56 13 00-0666)*		
26 56 13 00-0668		Steel, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	387.39	58.49
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	409.47	64.98
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	473.84	81.23
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	575.63	64.98
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	639.54	81.23
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	776.53	97.48
26 56 13 00-0675		Aluminum, Wood Pole Streetlight Arms *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	247.72	64.98
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	308.12	64.98
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	412.35	81.23
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	541.63	97.48
26 56 13 00-0680		Area Light Arms *(26 56 13 00-0666)*		
26 56 13 00-0681		Steel Area Light Arms *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	748.22	64.98
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,179.03	71.48
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,310.35	77.98
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,557.61	84.48
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	891.81	81.23
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,279.14	87.73
26 56 13 00-0688		Aluminum Area Light Arms *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	301.38	64.98
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	371.73	81.23
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	444.19	97.48
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	299.28	64.98
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	425.85	71.48
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	367.52	81.23
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	519.33	87.73
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	446.29	97.48
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	630.70	103.98
26 56 13 00-0698		Removal And Reinstallation Of Lighting Pole *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	2,144.77	
26 56 13 00-0700		High Mast Lighting *(26 56 13 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0701		**High Mast Lighting Assemblies** *(26 56 13 00-0700)* Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	59,991.49	1,995.91
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	63,373.98	2,090.41
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	66,784.54	2,226.94
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	70,221.10	2,405.49
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	73,669.96	2,625.96
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	78,107.54	2,888.75
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	81,682.65	3,151.33
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	84,979.64	3,413.92
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	88,554.75	3,676.62
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	92,916.81	3,939.20
26 56 13 00-0712		**High Mast Light Poles** *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	22,611.11	1,198.70
26 56 13 00-0714	EA	70' High Mast Light Poles	25,965.21	1,255.48
26 56 13 00-0715	EA	80' High Mast Light Poles	29,334.76	1,337.50
26 56 13 00-0716	EA	90' High Mast Light Poles	32,717.70	1,444.76
26 56 13 00-0717	EA	100' High Mast Light Poles	36,116.08	1,577.25
26 56 13 00-0718	EA	110' High Mast Light Poles	39,529.93	1,734.97
26 56 13 00-0719	EA	120' High Mast Light Poles	42,099.13	1,892.69
26 56 13 00-0720	EA	130' High Mast Light Poles	42,337.74	3,507.79
26 56 13 00-0721	EA	140' High Mast Light Poles	46,957.35	2,208.14
26 56 13 00-0722	EA	150' High Mast Light Poles	49,806.72	2,365.87
26 56 13 00-0723		**High Mast Lighting Accessories** *(26 56 13 00-0700)*		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,047.48	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,983.92	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,260.08	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	945.00	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,752.05	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,487.41	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,586.85	
26 56 13 00-0731		**Concrete Bases** *(26 56 13 00-0001)*		
26 56 13 00-0732		**Concrete Bases, Cast In Place** *(26 56 13 00-0731)* Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Minimum Charge For Cast In Place Concrete Base For Poles Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	595.61	
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	69.52	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	96.60	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	129.58	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	169.64	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	226.56	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	284.60	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	412.51	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	566.75	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		**Exterior Globe** *(26 56 18)*		
26 56 18 00-0002		**Incandescent, Exterior Globe** *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	56.84	20.61
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	88.20	20.61
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	66.89	20.61
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	92.07	20.61
26 56 18 00-0007		**Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures** *(26 56 18)* Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	254.46	82.44
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	264.81	87.59
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	292.64	92.74
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	283.17	103.05
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	317.34	118.51
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		**LED, Wall Packs** *(26 56 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0002		Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*		
26 56 19 00-0003		Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*		
26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,095.22	112.90
		For >50 To 100, Deduct	*-54.76*	
		For >100 To 250, Deduct	*-82.14*	
		For >250 To 500, Deduct	*-131.26*	
		For >500 To 1,000, Deduct	*-180.37*	
		For >1,000, Deduct	*-229.49*	
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,189.59	112.90
		For >50 To 100, Deduct	*-59.48*	
		For >100 To 250, Deduct	*-89.22*	
		For >250 To 500, Deduct	*-143.05*	
		For >500 To 1,000, Deduct	*-196.89*	
		For >1,000, Deduct	*-250.72*	
26 56 19 00-0006		Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*		
26 56 19 00-0007		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	890.38	109.67
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*45.98*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-44.52*	
		For >100 To 250, Deduct	*-66.78*	
		For >250 To 500, Deduct	*-105.81*	
		For >500 To 1,000, Deduct	*-144.85*	
		For >1,000, Deduct	*-183.88*	
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,146.41	116.13
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*46.62*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-57.32*	
		For >100 To 250, Deduct	*-85.98*	
		For >250 To 500, Deduct	*-137.49*	
		For >500 To 1,000, Deduct	*-189.01*	
		For >1,000, Deduct	*-240.52*	
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,284.90	122.58
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*47.27*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-64.25*	
		For >100 To 250, Deduct	*-96.37*	
		For >250 To 500, Deduct	*-154.48*	
		For >500 To 1,000, Deduct	*-212.60*	
		For >1,000, Deduct	*-270.71*	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,658.47	129.04
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*47.91*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-82.92*	
		For >100 To 250, Deduct	*-124.39*	
		For >250 To 500, Deduct	*-200.86*	
		For >500 To 1,000, Deduct	*-277.33*	
		For >1,000, Deduct	*-353.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,914.50	135.48
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*48.56*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-95.73*	
		For >100 To 250, Deduct	*-143.59*	
		For >250 To 500, Deduct	*-232.54*	
		For >500 To 1,000, Deduct	*-321.49*	
		For >1,000, Deduct	*-410.44*	
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,170.53	141.94
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*49.20*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-108.53*	
		For >100 To 250, Deduct	*-162.79*	
		For >250 To 500, Deduct	*-264.22*	
		For >500 To 1,000, Deduct	*-365.65*	
		For >1,000, Deduct	*-467.08*	

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	529.35	109.67
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*55.57*	
		For >50 To 100, Deduct	*-26.47*	
		For >100 To 250, Deduct	*-39.70*	
		For >250 To 500, Deduct	*-60.68*	
		For >500 To 1,000, Deduct	*-81.67*	
		For >1,000, Deduct	*-102.65*	
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	614.57	116.13
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Multi-Level, Add	*55.57*	
		For >50 To 100, Deduct	*-30.73*	
		For >100 To 250, Deduct	*-46.09*	
		For >250 To 500, Deduct	*-71.01*	
		For >500 To 1,000, Deduct	*-95.94*	
		For >1,000, Deduct	*-120.86*	

26 56 19 00-0017 Full Cutoff, LED Wall Packs (General Electric Evolve™) *(26 56 19 00-0002)*

26 56 19 00-0018	EA	29 Watt, Wall Mount, Full Cutoff, LED Wall Pack (General Electric EWS2 0 A7 D1 40 1 DKBZ)	885.76	109.67
		For >50 To 100, Deduct	*-44.29*	
		For >100 To 250, Deduct	*-66.43*	
		For >250 To 500, Deduct	*-105.24*	
		For >500 To 1,000, Deduct	*-144.04*	
		For >1,000, Deduct	*-182.84*	

26 56 19 00-0019 Wall Mount, Full Cutoff, LED Wall Packs (Leotek® Eseta™) *(26 56 19 00-0002)*

Note: UL wet listed. Includes 3,000K or 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0020	EA	59 Watt, Wall Mount, Full Cutoff, LED Wall Pack (Leotek® Eseta™ ES1-24H-MV-NW-X-GY-XXX)	861.72	116.13
		For >50 To 100, Deduct	*-43.09*	
		For >100 To 250, Deduct	*-64.63*	
		For >250 To 500, Deduct	*-101.91*	
		For >500 To 1,000, Deduct	*-139.19*	
		For >1,000, Deduct	*-176.47*	
26 56 19 00-0021	EA	82 Watt, Wall Mount, Full Cutoff, LED Wall Pack (Leotek® Eseta™ ES1-48H-MV-NW-X-GY-XXX)	1,073.56	129.04
		For >50 To 100, Deduct	*-53.68*	
		For >100 To 250, Deduct	*-80.52*	
		For >250 To 500, Deduct	*-127.74*	
		For >500 To 1,000, Deduct	*-174.97*	
		For >1,000, Deduct	*-222.20*	

26 56 19 00-0022 Full Cutoff, LED Wall Packs (McGraw-Edison) *(26 56 19 00-0002)*

26 56 19 00-0023	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,340.84	109.67
26 56 19 00-0024	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,672.15	116.13
26 56 19 00-0025	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,357.23	109.67
26 56 19 00-0026	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,822.00	116.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0027		Open Face LED Wall Pack *(26 56 19 00-0001)*		
		Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0028	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	706.78	112.80
		For >50 To 100, Deduct	*-35.34*	
		For >100 To 250, Deduct	*-53.01*	
		For >250 To 500, Deduct	*-79.89*	
		For >500 To 1,000, Deduct	*-106.77*	
		For >1,000, Deduct	*-133.65*	
26 56 19 00-0029	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	725.88	112.80
		For >50 To 100, Deduct	*-36.29*	
		For >100 To 250, Deduct	*-54.44*	
		For >250 To 500, Deduct	*-82.28*	
		For >500 To 1,000, Deduct	*-110.11*	
		For >1,000, Deduct	*-137.94*	
26 56 19 00-0030	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	766.95	112.80
		For >50 To 100, Deduct	*-38.35*	
		For >100 To 250, Deduct	*-57.52*	
		For >250 To 500, Deduct	*-87.41*	
		For >500 To 1,000, Deduct	*-117.30*	
		For >1,000, Deduct	*-147.18*	
26 56 19 00-0031	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	802.29	112.80
		For >50 To 100, Deduct	*-40.11*	
		For >100 To 250, Deduct	*-60.17*	
		For >250 To 500, Deduct	*-91.83*	
		For >500 To 1,000, Deduct	*-123.48*	
		For >1,000, Deduct	*-155.14*	
26 56 19 00-0032	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	865.05	112.80
		For >50 To 100, Deduct	*-43.25*	
		For >100 To 250, Deduct	*-64.88*	
		For >250 To 500, Deduct	*-99.67*	
		For >500 To 1,000, Deduct	*-134.46*	
		For >1,000, Deduct	*-169.26*	
26 56 19 00-0033		Wall Pack LED Fixtures (Jarvis WMFT) *(26 56 19 00-0001)*		
26 56 19 00-0034	EA	3,200 Lumens, 25 Watt, 1 LED, Wall Mounted Security Fixture (Jarvis Corp WMFT-100)	320.81	82.44
		For >50 To 100, Deduct	*-16.04*	
		For >100 To 250, Deduct	*-24.06*	
		For >250 To 500, Deduct	*-35.98*	
		For >500 To 1,000, Deduct	*-47.90*	
		For >1,000, Deduct	*-59.82*	
26 56 19 00-0035	EA	6,451 Lumens, 52 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250)	355.48	82.44
		For >50 To 100, Deduct	*-17.77*	
		For >100 To 250, Deduct	*-26.66*	
		For >250 To 500, Deduct	*-40.31*	
		For >500 To 1,000, Deduct	*-53.97*	
		For >1,000, Deduct	*-67.62*	
26 56 19 00-0036	EA	9,503 Lumens, 77 Watt, 3 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-350)	407.49	82.44
		For >50 To 100, Deduct	*-20.37*	
		For >100 To 250, Deduct	*-30.56*	
		For >250 To 500, Deduct	*-46.81*	
		For >500 To 1,000, Deduct	*-63.07*	
		For >1,000, Deduct	*-79.32*	
26 56 19 00-0037	EA	5,235 Lumens, 54 Watt, 2 LEDs, Wall Mounted Security Fixture (Jarvis Corp WMFT-250-HV)	381.48	82.44
		For >50 To 100, Deduct	*-19.07*	
		For >100 To 250, Deduct	*-28.61*	
		For >250 To 500, Deduct	*-43.56*	
		For >500 To 1,000, Deduct	*-58.52*	
		For >1,000, Deduct	*-73.47*	
26 56 19 00-0038		Wall Pack Accessories *(26 56 19 00-0001)*		
26 56 19 00-0039	EA	Photocell For Wall Pack	138.91	28.20
26 56 19 00-0040	EA	Wire Guard For Mini And Small Wall Pack	156.16	28.20
26 56 19 00-0041	EA	Wire Guard For Medium And Large Wall Pack	228.29	28.20
26 56 19 00-0042	EA	Clear Polycarbonate Vandal Guard For Wall Packs	332.38	28.20
26 56 19 00-0043	EA	Full Cutoff Visor For Wall Pack	151.46	28.20
26 56 19 00-0044		LED, Pole Mounted *(26 56 19)*		
26 56 19 00-0045		LED, Pole Mounted (Dialight) *(26 56 19 00-0044)*		
26 56 19 00-0046	EA	131 Watt, Enclosed And Gasketed, Exterior LED Roadway Fixture (Dialight SL2C4ELGH)	2,065.12	184.52
		For >50 To 100, Deduct	*-103.26*	
		For >100 To 250, Deduct	*-154.88*	
		For >250 To 500, Deduct	*-248.91*	
		For >500 To 1,000, Deduct	*-342.94*	
		For >1,000, Deduct	*-436.97*	
26 56 19 00-0047		LED, Pole Mounted (LED-Era) *(26 56 19 00-0044)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0048	EA	88 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS5)	2,586.00	167.74
		For >50 To 100, Deduct	*-129.30*	
		For >100 To 250, Deduct	*-193.95*	
		For >250 To 500, Deduct	*-314.86*	
		For >500 To 1,000, Deduct	*-435.78*	
		For >1,000, Deduct	*-556.69*	
26 56 19 00-0049	EA	124 Watt, Enclosed And Gasketed, LED Exterior Roadway Fixture (LED-Era LS7)	3,083.29	184.52
		For >50 To 100, Deduct	*-154.16*	
		For >100 To 250, Deduct	*-231.25*	
		For >250 To 500, Deduct	*-376.19*	
		For >500 To 1,000, Deduct	*-521.12*	
		For >1,000, Deduct	*-666.06*	

26 56 19 00-0050 LED, Pole Mounted (Lighting Science Group) *(26 56 19 00-0044)*

26 56 19 00-0051	EA	50 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR1 CW R3 2B)	1,878.66	150.97
		For >50 To 100, Deduct	*-93.93*	
		For >100 To 250, Deduct	*-140.90*	
		For >250 To 500, Deduct	*-227.28*	
		For >500 To 1,000, Deduct	*-313.67*	
		For >1,000, Deduct	*-400.05*	
26 56 19 00-0052	EA	75 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR2 CW R3 2B)	1,912.21	167.74
		For >50 To 100, Deduct	*-95.61*	
		For >100 To 250, Deduct	*-143.42*	
		For >250 To 500, Deduct	*-230.64*	
		For >500 To 1,000, Deduct	*-317.86*	
		For >1,000, Deduct	*-405.09*	
26 56 19 00-0053	EA	100 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R2 2B)	2,070.83	176.13
		For >50 To 100, Deduct	*-103.54*	
		For >100 To 250, Deduct	*-155.31*	
		For >250 To 500, Deduct	*-250.05*	
		For >500 To 1,000, Deduct	*-344.78*	
		For >1,000, Deduct	*-439.52*	
26 56 19 00-0054	EA	100 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR3 CW R3 2B)	2,070.83	176.13
		For >50 To 100, Deduct	*-103.54*	
		For >100 To 250, Deduct	*-155.31*	
		For >250 To 500, Deduct	*-250.05*	
		For >500 To 1,000, Deduct	*-344.78*	
		For >1,000, Deduct	*-439.52*	
26 56 19 00-0055	EA	150 Watt, Type II Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R2 2B)	2,104.38	192.90
		For >50 To 100, Deduct	*-105.22*	
		For >100 To 250, Deduct	*-157.83*	
		For >250 To 500, Deduct	*-253.40*	
		For >500 To 1,000, Deduct	*-348.98*	
		For >1,000, Deduct	*-444.55*	
26 56 19 00-0056	EA	150 Watt, Type III Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group LSR4 CW R3 2B)	2,104.38	192.90
		For >50 To 100, Deduct	*-105.22*	
		For >100 To 250, Deduct	*-157.83*	
		For >250 To 500, Deduct	*-253.40*	
		For >500 To 1,000, Deduct	*-348.98*	
		For >1,000, Deduct	*-444.55*	
26 56 19 00-0057	EA	86 Watt, Type V Optical Distribution, Enclosed And Gasketed, LED Exterior Roadway Fixture (Lighting Science Group SHB CW CLR)	2,485.07	167.74
		For >50 To 100, Deduct	*-124.25*	
		For >100 To 250, Deduct	*-186.38*	
		For >250 To 500, Deduct	*-302.25*	
		For >500 To 1,000, Deduct	*-418.11*	
		For >1,000, Deduct	*-533.98*	

26 56 19 00-0058 LED, Roadway Lighting *(26 56 19)*

26 56 19 00-0059 LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0058)*

26 56 19 00-0060 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0059)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,492.54	155.16
		For >50 To 100, Deduct	*-74.63*	
		For >100 To 250, Deduct	*-111.94*	
		For >250 To 500, Deduct	*-178.81*	
		For >500 To 1,000, Deduct	*-245.68*	
		For >1,000, Deduct	*-312.55*	
26 56 19 00-0062	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,335.86	159.36
		For >50 To 100, Deduct	*-116.79*	
		For >100 To 250, Deduct	*-175.19*	
		For >250 To 500, Deduct	*-284.01*	
		For >500 To 1,000, Deduct	*-392.84*	
		For >1,000, Deduct	*-501.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0063		Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) *(26 56 19 00-0059)* Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0064	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,195.47	155.16
		For >50 To 100, Deduct	*-59.77*	
		For >100 To 250, Deduct	*-89.66*	
		For >250 To 500, Deduct	*-141.68*	
		For >500 To 1,000, Deduct	*-193.69*	
		For >1,000, Deduct	*-245.71*	
26 56 19 00-0065	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,283.98	155.16
		For >50 To 100, Deduct	*-64.20*	
		For >100 To 250, Deduct	*-96.30*	
		For >250 To 500, Deduct	*-152.74*	
		For >500 To 1,000, Deduct	*-209.18*	
		For >1,000, Deduct	*-265.62*	
26 56 19 00-0066	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,372.49	155.16
		For >50 To 100, Deduct	*-68.62*	
		For >100 To 250, Deduct	*-102.94*	
		For >250 To 500, Deduct	*-163.80*	
		For >500 To 1,000, Deduct	*-224.67*	
		For >1,000, Deduct	*-285.54*	
26 56 19 00-0067		LED Roadway Lighting (Lithonia) *(26 56 19 00-0058)*		
26 56 19 00-0068		Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0067)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0069	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,449.58	146.78
		For >50 To 100, Deduct	*-122.48*	
		For >100 To 250, Deduct	*-183.72*	
		For >250 To 500, Deduct	*-298.86*	
		For >500 To 1,000, Deduct	*-414.00*	
		For >1,000, Deduct	*-529.14*	
26 56 19 00-0070	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	4,084.39	150.97
		For >50 To 100, Deduct	*-204.22*	
		For >100 To 250, Deduct	*-306.33*	
		For >250 To 500, Deduct	*-503.00*	
		For >500 To 1,000, Deduct	*-699.67*	
		For >1,000, Deduct	*-896.34*	
26 56 19 00-0071		LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0058)*		
26 56 19 00-0072		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0071)* Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0073	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	822.31	142.58
		For >50 To 100, Deduct	*-41.12*	
		For >100 To 250, Deduct	*-61.67*	
		For >250 To 500, Deduct	*-95.66*	
		For >500 To 1,000, Deduct	*-129.65*	
		For >1,000, Deduct	*-163.63*	
26 56 19 00-0074	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	921.80	146.78
		For >50 To 100, Deduct	*-46.09*	
		For >100 To 250, Deduct	*-69.14*	
		For >250 To 500, Deduct	*-107.89*	
		For >500 To 1,000, Deduct	*-146.64*	
		For >1,000, Deduct	*-185.39*	
26 56 19 00-0075	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,041.69	150.97
		For >50 To 100, Deduct	*-52.08*	
		For >100 To 250, Deduct	*-78.13*	
		For >250 To 500, Deduct	*-122.66*	
		For >500 To 1,000, Deduct	*-167.20*	
		For >1,000, Deduct	*-211.73*	
26 56 19 00-0076	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,142.74	155.16
		For >50 To 100, Deduct	*-57.14*	
		For >100 To 250, Deduct	*-85.71*	
		For >250 To 500, Deduct	*-135.08*	
		For >500 To 1,000, Deduct	*-184.46*	
		For >1,000, Deduct	*-233.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0077	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,243.80	159.36
		For >50 To 100, Deduct	*-62.19*	
		For >100 To 250, Deduct	*-93.29*	
		For >250 To 500, Deduct	*-147.51*	
		For >500 To 1,000, Deduct	*-201.73*	
		For >1,000, Deduct	*-255.95*	
26 56 19 00-0078	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,483.05	163.55
		For >50 To 100, Deduct	*-74.15*	
		For >100 To 250, Deduct	*-111.23*	
		For >250 To 500, Deduct	*-177.20*	
		For >500 To 1,000, Deduct	*-243.18*	
		For >1,000, Deduct	*-309.15*	
26 56 19 00-0079	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,584.11	167.74
		For >50 To 100, Deduct	*-79.21*	
		For >100 To 250, Deduct	*-118.81*	
		For >250 To 500, Deduct	*-189.63*	
		For >500 To 1,000, Deduct	*-260.44*	
		For >1,000, Deduct	*-331.26*	
26 56 19 00-0080	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,683.59	171.94
		For >50 To 100, Deduct	*-84.18*	
		For >100 To 250, Deduct	*-126.27*	
		For >250 To 500, Deduct	*-201.85*	
		For >500 To 1,000, Deduct	*-277.43*	
		For >1,000, Deduct	*-353.02*	
26 56 19 00-0081	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,877.30	176.13
		For >50 To 100, Deduct	*-93.87*	
		For >100 To 250, Deduct	*-140.80*	
		For >250 To 500, Deduct	*-225.86*	
		For >500 To 1,000, Deduct	*-310.91*	
		For >1,000, Deduct	*-395.97*	
26 56 19 00-0082	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,978.36	180.32
		For >50 To 100, Deduct	*-98.92*	
		For >100 To 250, Deduct	*-148.38*	
		For >250 To 500, Deduct	*-238.28*	
		For >500 To 1,000, Deduct	*-328.18*	
		For >1,000, Deduct	*-418.08*	
26 56 19 00-0083	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,079.41	184.52
		For >50 To 100, Deduct	*-103.97*	
		For >100 To 250, Deduct	*-155.96*	
		For >250 To 500, Deduct	*-250.70*	
		For >500 To 1,000, Deduct	*-345.44*	
		For >1,000, Deduct	*-440.19*	

26 56 19 00-0084 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0071)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0085	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,614.95	150.97
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-80.75*	
		For >100 To 250, Deduct	*-121.12*	
		For >250 To 500, Deduct	*-194.32*	
		For >500 To 1,000, Deduct	*-267.52*	
		For >1,000, Deduct	*-340.72*	
26 56 19 00-0086	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,862.61	159.36
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-93.13*	
		For >100 To 250, Deduct	*-139.70*	
		For >250 To 500, Deduct	*-224.86*	
		For >500 To 1,000, Deduct	*-310.02*	
		For >1,000, Deduct	*-395.18*	
26 56 19 00-0087	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,110.26	167.74
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-105.51*	
		For >100 To 250, Deduct	*-158.27*	
		For >250 To 500, Deduct	*-255.40*	
		For >500 To 1,000, Deduct	*-352.52*	
		For >1,000, Deduct	*-449.65*	
26 56 19 00-0088	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,357.90	176.13
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-117.90*	
		For >100 To 250, Deduct	*-176.84*	
		For >250 To 500, Deduct	*-285.93*	
		For >500 To 1,000, Deduct	*-395.02*	
		For >1,000, Deduct	*-504.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0089	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,095.58	184.52
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-154.78*	
		For >100 To 250, Deduct	*-232.17*	
		For >250 To 500, Deduct	*-377.72*	
		For >500 To 1,000, Deduct	*-523.27*	
		For >1,000, Deduct	*-668.83*	
26 56 19 00-0090	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,343.23	192.90
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-167.16*	
		For >100 To 250, Deduct	*-250.74*	
		For >250 To 500, Deduct	*-408.26*	
		For >500 To 1,000, Deduct	*-565.77*	
		For >1,000, Deduct	*-723.29*	
26 56 19 00-0091	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,590.88	201.29
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-179.54*	
		For >100 To 250, Deduct	*-269.32*	
		For >250 To 500, Deduct	*-438.80*	
		For >500 To 1,000, Deduct	*-608.28*	
		For >1,000, Deduct	*-777.75*	

26 56 19 00-0092 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0071)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0093	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	689.00	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*32.61*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*50.11*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-34.45*	
		For >100 To 250, Deduct	*-51.68*	
		For >250 To 500, Deduct	*-78.58*	
		For >500 To 1,000, Deduct	*-105.48*	
		For >1,000, Deduct	*-132.38*	
26 56 19 00-0094	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	689.00	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*32.61*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*50.11*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-34.45*	
		For >100 To 250, Deduct	*-51.68*	
		For >250 To 500, Deduct	*-78.58*	
		For >500 To 1,000, Deduct	*-105.48*	
		For >1,000, Deduct	*-132.38*	
26 56 19 00-0095	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	759.01	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*32.61*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*50.11*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-37.95*	
		For >100 To 250, Deduct	*-56.93*	
		For >250 To 500, Deduct	*-87.33*	
		For >500 To 1,000, Deduct	*-117.73*	
		For >1,000, Deduct	*-148.13*	
26 56 19 00-0096	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	759.01	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Backlight Control Shield, Add	*32.61*	
		For Field Adjustable Output, Add	*27.79*	
		For Bird Spikes, Add	*50.11*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-37.95*	
		For >100 To 250, Deduct	*-56.93*	
		For >250 To 500, Deduct	*-87.33*	
		For >500 To 1,000, Deduct	*-117.73*	
		For >1,000, Deduct	*-148.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0097	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	883.48	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*46.21*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*81.24*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-44.17*	
		For >100 To 250, Deduct	*-66.26*	
		For >250 To 500, Deduct	*-102.89*	
		For >500 To 1,000, Deduct	*-139.51*	
		For >1,000, Deduct	*-176.14*	
26 56 19 00-0098	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	883.48	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*46.21*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Fuse, Add	*55.57*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*81.24*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For >50 To 100, Deduct	*-44.17*	
		For >100 To 250, Deduct	*-66.26*	
		For >250 To 500, Deduct	*-102.89*	
		For >500 To 1,000, Deduct	*-139.51*	
		For >1,000, Deduct	*-176.14*	
26 56 19 00-0099	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,000.19	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*46.21*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*81.24*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-50.01*	
		For >100 To 250, Deduct	*-75.01*	
		For >250 To 500, Deduct	*-117.48*	
		For >500 To 1,000, Deduct	*-159.94*	
		For >1,000, Deduct	*-202.40*	
26 56 19 00-0100	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,000.19	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*46.21*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For Bird Spikes, Add	*81.24*	
		For 480 Volt, Add	*83.36*	
		For >50 To 100, Deduct	*-50.01*	
		For >100 To 250, Deduct	*-75.01*	
		For >250 To 500, Deduct	*-117.48*	
		For >500 To 1,000, Deduct	*-159.94*	
		For >1,000, Deduct	*-202.40*	
26 56 19 00-0101	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	564.51	150.97
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-28.23*	
		For >100 To 250, Deduct	*-42.34*	
		For >250 To 500, Deduct	*-63.02*	
		For >500 To 1,000, Deduct	*-83.69*	
		For >1,000, Deduct	*-104.37*	
26 56 19 00-0102	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	564.51	150.97
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-28.23*	
		For >100 To 250, Deduct	*-42.34*	
		For >250 To 500, Deduct	*-63.02*	
		For >500 To 1,000, Deduct	*-83.69*	
		For >1,000, Deduct	*-104.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0103	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	593.69	150.97
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-29.68*	
		For >100 To 250, Deduct	*-44.53*	
		For >250 To 500, Deduct	*-66.66*	
		For >500 To 1,000, Deduct	*-88.80*	
		For >1,000, Deduct	*-110.93*	
26 56 19 00-0104	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	593.69	150.97
		For Utility Label, Add	*9.26*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*27.79*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-29.68*	
		For >100 To 250, Deduct	*-44.53*	
		For >250 To 500, Deduct	*-66.66*	
		For >500 To 1,000, Deduct	*-88.80*	
		For >1,000, Deduct	*-110.93*	
26 56 19 00-0105	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	603.41	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-30.17*	
		For >100 To 250, Deduct	*-45.26*	
		For >250 To 500, Deduct	*-67.88*	
		For >500 To 1,000, Deduct	*-90.50*	
		For >1,000, Deduct	*-113.12*	
26 56 19 00-0106	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	603.41	150.97
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Field Adjustable Output, Add	*27.79*	
		For Field Adjustable Output And Utility Label, Add	*37.05*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-30.17*	
		For >100 To 250, Deduct	*-45.26*	
		For >250 To 500, Deduct	*-67.88*	
		For >500 To 1,000, Deduct	*-90.50*	
		For >1,000, Deduct	*-113.12*	

26 56 19 00-0107 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0071)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0108	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	583.97	150.97
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*61.41*	
		For Bird Spikes, Add	*81.78*	
		For >50 To 100, Deduct	*-29.20*	
		For >100 To 250, Deduct	*-43.80*	
		For >250 To 500, Deduct	*-65.45*	
		For >500 To 1,000, Deduct	*-87.10*	
		For >1,000, Deduct	*-108.75*	
26 56 19 00-0109	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	583.97	150.97
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*61.41*	
		For Bird Spikes, Add	*81.78*	
		For >50 To 100, Deduct	*-29.20*	
		For >100 To 250, Deduct	*-43.80*	
		For >250 To 500, Deduct	*-65.45*	
		For >500 To 1,000, Deduct	*-87.10*	
		For >1,000, Deduct	*-108.75*	
26 56 19 00-0110	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	603.41	150.97
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*61.41*	
		For Bird Spikes, Add	*81.78*	
		For >50 To 100, Deduct	*-30.17*	
		For >100 To 250, Deduct	*-45.26*	
		For >250 To 500, Deduct	*-67.88*	
		For >500 To 1,000, Deduct	*-90.50*	
		For >1,000, Deduct	*-113.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0111	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	603.41	150.97
		For Field Adjustable Output, Add	*27.79*	
		For Backlight Control Shield, Add	*61.41*	
		For Bird Spikes, Add	*81.78*	
		For >50 To 100, Deduct	*-30.17*	
		For >100 To 250, Deduct	*-45.26*	
		For >250 To 500, Deduct	*-67.88*	
		For >500 To 1,000, Deduct	*-90.50*	
		For >1,000, Deduct	*-113.12*	

26 56 19 00-0112 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0058)*

26 56 19 00-0113 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0112)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0114	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,043.35	150.97
		For >50 To 100, Deduct	*-52.17*	
		For >100 To 250, Deduct	*-78.25*	
		For >250 To 500, Deduct	*-122.87*	
		For >500 To 1,000, Deduct	*-167.49*	
		For >1,000, Deduct	*-212.11*	
26 56 19 00-0115	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,427.94	167.74
		For >50 To 100, Deduct	*-71.40*	
		For >100 To 250, Deduct	*-107.10*	
		For >250 To 500, Deduct	*-170.11*	
		For >500 To 1,000, Deduct	*-233.12*	
		For >1,000, Deduct	*-296.12*	
26 56 19 00-0116	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,526.82	192.90
		For >50 To 100, Deduct	*-76.34*	
		For >100 To 250, Deduct	*-114.51*	
		For >250 To 500, Deduct	*-181.21*	
		For >500 To 1,000, Deduct	*-247.90*	
		For >1,000, Deduct	*-314.60*	
26 56 19 00-0117	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,300.64	209.68
		For >50 To 100, Deduct	*-115.03*	
		For >100 To 250, Deduct	*-172.55*	
		For >250 To 500, Deduct	*-277.10*	
		For >500 To 1,000, Deduct	*-381.64*	
		For >1,000, Deduct	*-486.19*	
26 56 19 00-0118	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	3,030.97	238.71
		For >50 To 100, Deduct	*-151.55*	
		For >100 To 250, Deduct	*-227.32*	
		For >250 To 500, Deduct	*-366.94*	
		For >500 To 1,000, Deduct	*-506.55*	
		For >1,000, Deduct	*-646.16*	

26 56 19 00-0119 LED Roadway Lighting (PlanLED) *(26 56 19 00-0058)*

26 56 19 00-0120 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0119)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0121	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,266.89	146.78
		For >50 To 100, Deduct	*-63.34*	
		For >100 To 250, Deduct	*-95.02*	
		For >250 To 500, Deduct	*-151.02*	
		For >500 To 1,000, Deduct	*-207.03*	
		For >1,000, Deduct	*-263.03*	
26 56 19 00-0122	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,382.23	148.39
		For >50 To 100, Deduct	*-69.11*	
		For >100 To 250, Deduct	*-103.67*	
		For >250 To 500, Deduct	*-165.36*	
		For >500 To 1,000, Deduct	*-227.05*	
		For >1,000, Deduct	*-288.74*	
26 56 19 00-0123	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,472.63	150.97
		For >50 To 100, Deduct	*-73.63*	
		For >100 To 250, Deduct	*-110.45*	
		For >250 To 500, Deduct	*-176.53*	
		For >500 To 1,000, Deduct	*-242.61*	
		For >1,000, Deduct	*-308.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0124		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0119)* Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0125	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	817.97	143.23
		For >50 To 100, Deduct	*-40.90*	
		For >100 To 250, Deduct	*-61.35*	
		For >250 To 500, Deduct	*-95.09*	
		For >500 To 1,000, Deduct	*-128.82*	
		For >1,000, Deduct	*-162.56*	
26 56 19 00-0126	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	879.20	145.81
		For >50 To 100, Deduct	*-43.96*	
		For >100 To 250, Deduct	*-65.94*	
		For >250 To 500, Deduct	*-102.61*	
		For >500 To 1,000, Deduct	*-139.28*	
		For >1,000, Deduct	*-175.95*	
26 56 19 00-0127	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	976.31	148.39
		For >50 To 100, Deduct	*-48.82*	
		For >100 To 250, Deduct	*-73.22*	
		For >250 To 500, Deduct	*-114.62*	
		For >500 To 1,000, Deduct	*-156.02*	
		For >1,000, Deduct	*-197.41*	
26 56 19 00-0128		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0119)* Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0129	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	1,041.34	148.39
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*96.89*	
		For >50 To 100, Deduct	*-52.07*	
		For >100 To 250, Deduct	*-78.10*	
		For >250 To 500, Deduct	*-122.75*	
		For >500 To 1,000, Deduct	*-167.40*	
		For >1,000, Deduct	*-212.04*	
26 56 19 00-0130	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,160.55	149.68
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*29.25*	
		For >50 To 100, Deduct	*-58.03*	
		For >100 To 250, Deduct	*-87.04*	
		For >250 To 500, Deduct	*-137.58*	
		For >500 To 1,000, Deduct	*-188.13*	
		For >1,000, Deduct	*-238.67*	
26 56 19 00-0131	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,252.84	150.97
		For 0 To 10 Volt Dimming, Add	*96.89*	
		For 480 Volt, Add	*121.08*	
		For >50 To 100, Deduct	*-62.64*	
		For >100 To 250, Deduct	*-93.96*	
		For >250 To 500, Deduct	*-149.06*	
		For >500 To 1,000, Deduct	*-204.15*	
		For >1,000, Deduct	*-259.24*	
26 56 19 00-0132		LED Roadway Lighting (General Electric) *(26 56 19 00-0058)*		
26 56 19 00-0133		Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) *(26 56 19 00-0132)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0134	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	612.73	142.58
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-30.64*	
		For >100 To 250, Deduct	*-45.95*	
		For >250 To 500, Deduct	*-69.46*	
		For >500 To 1,000, Deduct	*-92.97*	
		For >1,000, Deduct	*-116.48*	
26 56 19 00-0135	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	616.59	144.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-30.83*	
		For >100 To 250, Deduct	*-46.24*	
		For >250 To 500, Deduct	*-69.85*	
		For >500 To 1,000, Deduct	*-93.45*	
		For >1,000, Deduct	*-117.06*	
26 56 19 00-0136	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	643.78	146.78
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-32.19*	
		For >100 To 250, Deduct	*-48.28*	
		For >250 To 500, Deduct	*-73.13*	
		For >500 To 1,000, Deduct	*-97.98*	
		For >1,000, Deduct	*-122.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	671.71	148.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-33.59*	
		For >100 To 250, Deduct	*-50.38*	
		For >250 To 500, Deduct	*-76.54*	
		For >500 To 1,000, Deduct	*-102.71*	
		For >1,000, Deduct	*-128.88*	
26 56 19 00-0138	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	746.15	151.62
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-37.31*	
		For >100 To 250, Deduct	*-55.96*	
		For >250 To 500, Deduct	*-85.69*	
		For >500 To 1,000, Deduct	*-115.41*	
		For >1,000, Deduct	*-145.14*	
26 56 19 00-0139	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	785.81	152.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-39.29*	
		For >100 To 250, Deduct	*-58.94*	
		For >250 To 500, Deduct	*-90.58*	
		For >500 To 1,000, Deduct	*-122.23*	
		For >1,000, Deduct	*-153.87*	
26 56 19 00-0140	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	860.38	155.16
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-43.02*	
		For >100 To 250, Deduct	*-64.53*	
		For >250 To 500, Deduct	*-99.79*	
		For >500 To 1,000, Deduct	*-135.05*	
		For >1,000, Deduct	*-170.31*	
26 56 19 00-0141	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	1,019.15	159.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-50.96*	
		For >100 To 250, Deduct	*-76.44*	
		For >250 To 500, Deduct	*-119.43*	
		For >500 To 1,000, Deduct	*-162.42*	
		For >1,000, Deduct	*-205.40*	
26 56 19 00-0142	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,200.73	167.74
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-60.04*	
		For >100 To 250, Deduct	*-90.05*	
		For >250 To 500, Deduct	*-141.70*	
		For >500 To 1,000, Deduct	*-193.35*	
		For >1,000, Deduct	*-245.00*	

26 56 19 00-0143 Horizontal Tenon Mount, LED Cobra Head Street Lights With Wireless Control Node (General Electric) *(26 56 19 00-0132)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Includes a General Electric LightGrid™ outdoor wireless control system node.

26 56 19 00-0144	EA	3,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERL105B140AGRAY DELWN0A5UG5)	872.33	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*74.33*	
		For >50 To 100, Deduct	*-43.62*	
		For >100 To 250, Deduct	*-65.42*	
		For >250 To 500, Deduct	*-105.82*	
		For >500 To 1,000, Deduct	*-146.21*	
		For >1,000, Deduct	*-186.60*	
26 56 19 00-0145	EA	6,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERL1007B140AGRAY ELWN0A5UG5)	910.78	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*78.17*	
		For >50 To 100, Deduct	*-45.54*	
		For >100 To 250, Deduct	*-68.31*	
		For >250 To 500, Deduct	*-110.62*	
		For >500 To 1,000, Deduct	*-152.93*	
		For >1,000, Deduct	*-195.25*	
26 56 19 00-0146	EA	11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERS1011C1X40AGRAY ELWN0A5UG5)	1,205.53	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*107.65*	
		For >50 To 100, Deduct	*-60.28*	
		For >100 To 250, Deduct	*-90.41*	
		For >250 To 500, Deduct	*-147.47*	
		For >500 To 1,000, Deduct	*-204.52*	
		For >1,000, Deduct	*-261.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0147	EA	3,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERL1004B140ADKBZ ELWN0A5UG5 RPA-EAMT1DKBZ)	1,038.93	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*90.99*	
		For >50 To 100, Deduct	*-51.95*	
		For >100 To 250, Deduct	*-77.92*	
		For >250 To 500, Deduct	*-126.64*	
		For >500 To 1,000, Deduct	*-175.36*	
		For >1,000, Deduct	*-224.08*	
26 56 19 00-0148	EA	11,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERS1011E1X40DKBZ ELWN0A5UG5 RPA-EAMT1DKBZ)	1,410.58	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*128.15*	
		For >50 To 100, Deduct	*-70.53*	
		For >100 To 250, Deduct	*-105.79*	
		For >250 To 500, Deduct	*-173.10*	
		For >500 To 1,000, Deduct	*-240.40*	
		For >1,000, Deduct	*-307.70*	
26 56 19 00-0149	EA	16,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light With Wireless Control Node (General Electric ERS2016E1X40NDKBZ ELWN0A5UG5 RPA-EAMT1DKBZ)	1,677.57	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*154.85*	
		For >50 To 100, Deduct	*-83.88*	
		For >100 To 250, Deduct	*-125.82*	
		For >250 To 500, Deduct	*-206.47*	
		For >500 To 1,000, Deduct	*-287.12*	
		For >1,000, Deduct	*-367.78*	

26 56 19 00-0150 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0058)*

26 56 19 00-0151 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0150)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0152	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,226.56	146.78
		For >50 To 100, Deduct	*-61.33*	
		For >100 To 250, Deduct	*-91.99*	
		For >250 To 500, Deduct	*-145.98*	
		For >500 To 1,000, Deduct	*-199.97*	
		For >1,000, Deduct	*-253.96*	
26 56 19 00-0153	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,534.14	150.97
		For >50 To 100, Deduct	*-76.71*	
		For >100 To 250, Deduct	*-115.06*	
		For >250 To 500, Deduct	*-184.22*	
		For >500 To 1,000, Deduct	*-253.38*	
		For >1,000, Deduct	*-322.54*	
26 56 19 00-0154	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,158.78	155.16
		For >50 To 100, Deduct	*-107.94*	
		For >100 To 250, Deduct	*-161.91*	
		For >250 To 500, Deduct	*-262.09*	
		For >500 To 1,000, Deduct	*-362.27*	
		For >1,000, Deduct	*-462.45*	
26 56 19 00-0155	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,787.12	161.29
		For >50 To 100, Deduct	*-139.36*	
		For >100 To 250, Deduct	*-209.03*	
		For >250 To 500, Deduct	*-340.33*	
		For >500 To 1,000, Deduct	*-471.62*	
		For >1,000, Deduct	*-602.91*	
26 56 19 00-0156	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,401.72	165.81
		For >50 To 100, Deduct	*-170.09*	
		For >100 To 250, Deduct	*-255.13*	
		For >250 To 500, Deduct	*-416.92*	
		For >500 To 1,000, Deduct	*-578.72*	
		For >1,000, Deduct	*-740.52*	

26 56 19 00-0157 LED Roadway Lighting (Leotek) *(26 56 19 00-0058)*

26 56 19 00-0158 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0157)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0159	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	626.68	146.78
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-31.33*	
		For >100 To 250, Deduct	*-47.00*	
		For >250 To 500, Deduct	*-71.00*	
		For >500 To 1,000, Deduct	*-94.99*	
		For >1,000, Deduct	*-118.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0160	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	640.70	148.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-32.04*	
		For >100 To 250, Deduct	*-48.05*	
		For >250 To 500, Deduct	*-72.67*	
		For >500 To 1,000, Deduct	*-97.28*	
		For >1,000, Deduct	*-121.90*	
26 56 19 00-0161	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	685.91	149.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-34.30*	
		For >100 To 250, Deduct	*-51.44*	
		For >250 To 500, Deduct	*-78.27*	
		For >500 To 1,000, Deduct	*-105.10*	
		For >1,000, Deduct	*-131.93*	
26 56 19 00-0162	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	801.35	155.16
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-40.07*	
		For >100 To 250, Deduct	*-60.10*	
		For >250 To 500, Deduct	*-92.41*	
		For >500 To 1,000, Deduct	*-124.72*	
		For >1,000, Deduct	*-157.03*	
26 56 19 00-0163	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	943.86	159.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-47.19*	
		For >100 To 250, Deduct	*-70.79*	
		For >250 To 500, Deduct	*-110.01*	
		For >500 To 1,000, Deduct	*-149.24*	
		For >1,000, Deduct	*-188.46*	
26 56 19 00-0164	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	949.01	161.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-47.45*	
		For >100 To 250, Deduct	*-71.18*	
		For >250 To 500, Deduct	*-110.53*	
		For >500 To 1,000, Deduct	*-149.88*	
		For >1,000, Deduct	*-189.24*	
26 56 19 00-0165	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,172.64	164.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-58.63*	
		For >100 To 250, Deduct	*-87.95*	
		For >250 To 500, Deduct	*-138.35*	
		For >500 To 1,000, Deduct	*-188.76*	
		For >1,000, Deduct	*-239.17*	
26 56 19 00-0166	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,231.02	167.74
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-61.55*	
		For >100 To 250, Deduct	*-92.33*	
		For >250 To 500, Deduct	*-145.49*	
		For >500 To 1,000, Deduct	*-198.65*	
		For >1,000, Deduct	*-251.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0167	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,378.94	170.32
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-68.95*	
		For >100 To 250, Deduct	*-103.42*	
		For >250 To 500, Deduct	*-163.85*	
		For >500 To 1,000, Deduct	*-224.28*	
		For >1,000, Deduct	*-284.71*	
26 56 19 00-0168	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,481.44	172.90
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-74.07*	
		For >100 To 250, Deduct	*-111.11*	
		For >250 To 500, Deduct	*-176.53*	
		For >500 To 1,000, Deduct	*-241.96*	
		For >1,000, Deduct	*-307.39*	
26 56 19 00-0169	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	731.55	148.39
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-36.58*	
		For >100 To 250, Deduct	*-54.87*	
		For >250 To 500, Deduct	*-84.02*	
		For >500 To 1,000, Deduct	*-113.18*	
		For >1,000, Deduct	*-142.34*	
26 56 19 00-0170	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	806.36	152.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-40.32*	
		For >100 To 250, Deduct	*-60.48*	
		For >250 To 500, Deduct	*-93.18*	
		For >500 To 1,000, Deduct	*-125.89*	
		For >1,000, Deduct	*-158.59*	
26 56 19 00-0171	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	872.74	155.16
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-43.64*	
		For >100 To 250, Deduct	*-65.46*	
		For >250 To 500, Deduct	*-101.33*	
		For >500 To 1,000, Deduct	*-137.21*	
		For >1,000, Deduct	*-173.09*	
26 56 19 00-0172	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	929.58	158.71
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-46.48*	
		For >100 To 250, Deduct	*-69.72*	
		For >250 To 500, Deduct	*-108.26*	
		For >500 To 1,000, Deduct	*-146.81*	
		For >1,000, Deduct	*-185.35*	
26 56 19 00-0173	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	988.40	160.00
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-49.42*	
		For >100 To 250, Deduct	*-74.13*	
		For >250 To 500, Deduct	*-115.55*	
		For >500 To 1,000, Deduct	*-156.97*	
		For >1,000, Deduct	*-198.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0174	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,183.87	165.81
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-59.19*	
		For >100 To 250, Deduct	*-88.79*	
		For >250 To 500, Deduct	*-139.69*	
		For >500 To 1,000, Deduct	*-190.60*	
		For >1,000, Deduct	*-241.50*	
26 56 19 00-0175	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,343.91	169.03
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-67.20*	
		For >100 To 250, Deduct	*-100.79*	
		For >250 To 500, Deduct	*-159.54*	
		For >500 To 1,000, Deduct	*-218.28*	
		For >1,000, Deduct	*-277.02*	
26 56 19 00-0176	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,431.72	169.68
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-71.59*	
		For >100 To 250, Deduct	*-107.38*	
		For >250 To 500, Deduct	*-170.48*	
		For >500 To 1,000, Deduct	*-233.58*	
		For >1,000, Deduct	*-296.69*	
26 56 19 00-0177	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,515.63	171.62
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-75.78*	
		For >100 To 250, Deduct	*-113.67*	
		For >250 To 500, Deduct	*-180.87*	
		For >500 To 1,000, Deduct	*-248.07*	
		For >1,000, Deduct	*-315.27*	
26 56 19 00-0178	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	784.61	161.94
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-39.23*	
		For >100 To 250, Deduct	*-58.85*	
		For >250 To 500, Deduct	*-89.98*	
		For >500 To 1,000, Deduct	*-121.11*	
		For >1,000, Deduct	*-152.25*	
26 56 19 00-0179	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	852.73	163.55
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-42.64*	
		For >100 To 250, Deduct	*-63.95*	
		For >250 To 500, Deduct	*-98.41*	
		For >500 To 1,000, Deduct	*-132.87*	
		For >1,000, Deduct	*-167.33*	
26 56 19 00-0180	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	596.80	148.06
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-29.84*	
		For >100 To 250, Deduct	*-44.76*	
		For >250 To 500, Deduct	*-67.20*	
		For >500 To 1,000, Deduct	*-89.63*	
		For >1,000, Deduct	*-112.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0181	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	608.03	149.36
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-30.40*	
		For >100 To 250, Deduct	*-45.60*	
		For >250 To 500, Deduct	*-68.54*	
		For >500 To 1,000, Deduct	*-91.47*	
		For >1,000, Deduct	*-114.40*	
26 56 19 00-0182	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	663.60	152.26
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-33.18*	
		For >100 To 250, Deduct	*-49.77*	
		For >250 To 500, Deduct	*-75.34*	
		For >500 To 1,000, Deduct	*-100.90*	
		For >1,000, Deduct	*-126.47*	
26 56 19 00-0183	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	1,040.69	164.52
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-52.03*	
		For >100 To 250, Deduct	*-78.05*	
		For >250 To 500, Deduct	*-121.86*	
		For >500 To 1,000, Deduct	*-165.67*	
		For >1,000, Deduct	*-209.48*	
26 56 19 00-0184	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,371.15	169.68
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-68.56*	
		For >100 To 250, Deduct	*-102.84*	
		For >250 To 500, Deduct	*-162.91*	
		For >500 To 1,000, Deduct	*-222.98*	
		For >1,000, Deduct	*-283.06*	
26 56 19 00-0185	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,216.71	170.32
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-60.84*	
		For >100 To 250, Deduct	*-91.25*	
		For >250 To 500, Deduct	*-143.57*	
		For >500 To 1,000, Deduct	*-195.89*	
		For >1,000, Deduct	*-248.21*	
26 56 19 00-0186	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	571.48	148.39
		For Twist Lock Shorting Cap, Add	*10.30*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.90*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*55.29*	
		For >50 To 100, Deduct	*-28.57*	
		For >100 To 250, Deduct	*-42.86*	
		For >250 To 500, Deduct	*-64.02*	
		For >500 To 1,000, Deduct	*-85.17*	
		For >1,000, Deduct	*-106.33*	

26 56 19 00-0187 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0188 Pole Mount, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0189 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0190	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,478.66	109.67
		For >50 To 100, Deduct	*-123.93*	
		For >100 To 250, Deduct	*-185.90*	
		For >250 To 500, Deduct	*-304.35*	
		For >500 To 1,000, Deduct	*-422.80*	
		For >1,000, Deduct	*-541.25*	
26 56 19 00-0191	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,672.31	116.13
		For >50 To 100, Deduct	*-133.62*	
		For >100 To 250, Deduct	*-200.42*	
		For >250 To 500, Deduct	*-328.23*	
		For >500 To 1,000, Deduct	*-456.04*	
		For >1,000, Deduct	*-583.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0192	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,878.86	129.04
		For >50 To 100, Deduct	*-143.94*	
		For >100 To 250, Deduct	*-215.91*	
		For >250 To 500, Deduct	*-353.41*	
		For >500 To 1,000, Deduct	*-490.90*	
		For >1,000, Deduct	*-628.39*	
26 56 19 00-0193	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,891.76	135.48
		For >50 To 100, Deduct	*-144.59*	
		For >100 To 250, Deduct	*-216.88*	
		For >250 To 500, Deduct	*-354.70*	
		For >500 To 1,000, Deduct	*-492.51*	
		For >1,000, Deduct	*-630.32*	

26 56 19 00-0194 Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified

26 56 19 00-0195	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,193.46	116.13
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*38.01*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-59.67*	
		For >100 To 250, Deduct	*-89.51*	
		For >250 To 500, Deduct	*-143.38*	
		For >500 To 1,000, Deduct	*-197.24*	
		For >1,000, Deduct	*-251.11*	
26 56 19 00-0196	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,437.25	122.58
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*38.66*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-71.86*	
		For >100 To 250, Deduct	*-107.79*	
		For >250 To 500, Deduct	*-173.53*	
		For >500 To 1,000, Deduct	*-239.26*	
		For >1,000, Deduct	*-304.99*	
26 56 19 00-0197	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,773.69	129.04
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*39.30*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-88.68*	
		For >100 To 250, Deduct	*-133.03*	
		For >250 To 500, Deduct	*-215.26*	
		For >500 To 1,000, Deduct	*-297.49*	
		For >1,000, Deduct	*-379.73*	
26 56 19 00-0198	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,017.47	135.48
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*39.95*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-100.87*	
		For >100 To 250, Deduct	*-151.31*	
		For >250 To 500, Deduct	*-245.41*	
		For >500 To 1,000, Deduct	*-339.51*	
		For >1,000, Deduct	*-433.61*	
26 56 19 00-0199	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,261.24	141.94
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*40.59*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-113.06*	
		For >100 To 250, Deduct	*-169.59*	
		For >250 To 500, Deduct	*-275.56*	
		For >500 To 1,000, Deduct	*-381.52*	
		For >1,000, Deduct	*-487.49*	
26 56 19 00-0200	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,578.84	148.39
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*41.24*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-128.94*	
		For >100 To 250, Deduct	*-193.41*	
		For >250 To 500, Deduct	*-314.94*	
		For >500 To 1,000, Deduct	*-436.46*	
		For >1,000, Deduct	*-557.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0201	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,822.62	154.84
		For Backlight Shielding, Add	*21.99*	
		For Type II Medium Optic, Add	*41.88*	
		For 480 Volt, Add	*113.84*	
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-141.13*	
		For >100 To 250, Deduct	*-211.70*	
		For >250 To 500, Deduct	*-345.09*	
		For >500 To 1,000, Deduct	*-478.47*	
		For >1,000, Deduct	*-611.86*	

26 56 19 00-0202 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0203	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,090.77	141.94
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For Bird Spikes, Add	*43.37*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For 480 Volt, Add	*83.36*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.61*	
		For >50 To 100, Deduct	*-104.54*	
		For >100 To 250, Deduct	*-156.81*	
		For >250 To 500, Deduct	*-254.25*	
		For >500 To 1,000, Deduct	*-351.69*	
		For >1,000, Deduct	*-449.13*	
26 56 19 00-0204	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	3,516.80	174.20
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*18.52*	
		For 5,000K Color Temperature, Add	*46.31*	
		For Fuse, Add	*55.57*	
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For Bird Spikes, Add	*64.11*	
		For Multi-Level, Add	*120.40*	
		For 1,000mA Driver, Add	*155.60*	
		For 480 Volt, Add	*166.71*	
		For >50 To 100, Deduct	*-175.84*	
		For >100 To 250, Deduct	*-263.76*	
		For >250 To 500, Deduct	*-430.89*	
		For >500 To 1,000, Deduct	*-598.02*	
		For >1,000, Deduct	*-765.15*	

26 56 19 00-0205 Arm Mount, Rectangular, LED Area Fixtures (General Electric Evolve™) *(26 56 19 00-0188)*

Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, 525mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0206	EA	3,730 Lumens, 46 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 A4 5 40 A A DKBZ)	1,433.70	116.13
		For >50 To 100, Deduct	*-71.69*	
		For >100 To 250, Deduct	*-107.53*	
		For >250 To 500, Deduct	*-173.41*	
		For >500 To 1,000, Deduct	*-239.28*	
		For >1,000, Deduct	*-305.16*	
26 56 19 00-0207	EA	5,510 Lumens, 65 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 B4 5 40 A A DKBZ)	1,526.71	122.58
		For >50 To 100, Deduct	*-76.34*	
		For >100 To 250, Deduct	*-114.50*	
		For >250 To 500, Deduct	*-184.71*	
		For >500 To 1,000, Deduct	*-254.92*	
		For >1,000, Deduct	*-325.12*	
26 56 19 00-0208	EA	7,180 Lumens, 85 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 C4 5 40 A A DKBZ)	1,593.01	129.04
		For >50 To 100, Deduct	*-79.65*	
		For >100 To 250, Deduct	*-119.48*	
		For >250 To 500, Deduct	*-192.67*	
		For >500 To 1,000, Deduct	*-265.87*	
		For >1,000, Deduct	*-339.07*	
26 56 19 00-0209	EA	8,810 Lumens, 104 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EANA 0 D4 5 40 A A DKBZ)	1,659.31	135.48
		For >50 To 100, Deduct	*-82.97*	
		For >100 To 250, Deduct	*-124.45*	
		For >250 To 500, Deduct	*-200.64*	
		For >500 To 1,000, Deduct	*-276.83*	
		For >1,000, Deduct	*-353.02*	
26 56 19 00-0210	EA	15,400 Lumens, 144 Watt, Arm Mount, Rectangular, LED Area Fixture (General Electric EASC 0 F4 F 5 40 A A DKBZ)	2,272.93	141.94
		For >50 To 100, Deduct	*-113.65*	
		For >100 To 250, Deduct	*-170.47*	
		For >250 To 500, Deduct	*-277.02*	
		For >500 To 1,000, Deduct	*-383.57*	
		For >1,000, Deduct	*-490.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0211		**Pole Mount, Rectangular, LED Area Fixtures With Wireless Control Node (General Electric)** *(26 56 19 00-0188)* Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and bronze powder coat finish. Includes a General Electric LightGrid™ outdoor wireless control node.		
26 56 19 00-0212	EA	33,000 Lumens, 283 Watt, Pole Mount, Rectangular, LED Area Fixture With Wireless Control Node (General Electric EASC-0-K3-F5-40-AA-DKBZ ELWN0A5UG5)	2,931.34	29.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.71*	
		For Up To 1,000, Add	*280.23*	
		For >50 To 100, Deduct	*-146.57*	
		For >100 To 250, Deduct	*-219.85*	
		For >250 To 500, Deduct	*-363.19*	
		For >500 To 1,000, Deduct	*-506.53*	
		For >1,000, Deduct	*-649.87*	
26 56 19 00-0213		**Arm Mount, Round, LED Security Area Fixtures (Everlast EL-LED-NW)** *(26 56 19 00-0188)* Note: UL wet listed. Includes 2,700K, 4,000K or 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly. Excludes sensors.		
26 56 19 00-0214	EA	3,675 Lumens, 35 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	546.24	116.13
		For >50 To 100, Deduct	*-27.31*	
		For >100 To 250, Deduct	*-40.97*	
		For >250 To 500, Deduct	*-62.47*	
		For >500 To 1,000, Deduct	*-83.98*	
		For >1,000, Deduct	*-105.48*	
26 56 19 00-0215	EA	4,480 Lumens, 40 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	552.97	116.13
		For >50 To 100, Deduct	*-27.65*	
		For >100 To 250, Deduct	*-41.47*	
		For >250 To 500, Deduct	*-63.31*	
		For >500 To 1,000, Deduct	*-85.16*	
		For >1,000, Deduct	*-107.00*	
26 56 19 00-0216	EA	5,040 Lumens, 45 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	557.45	116.13
		For >50 To 100, Deduct	*-27.87*	
		For >100 To 250, Deduct	*-41.81*	
		For >250 To 500, Deduct	*-63.87*	
		For >500 To 1,000, Deduct	*-85.94*	
		For >1,000, Deduct	*-108.01*	
26 56 19 00-0217	EA	5,050 Lumens, 50 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	568.66	116.13
		For >50 To 100, Deduct	*-28.43*	
		For >100 To 250, Deduct	*-42.65*	
		For >250 To 500, Deduct	*-65.28*	
		For >500 To 1,000, Deduct	*-87.90*	
		For >1,000, Deduct	*-110.53*	
26 56 19 00-0218	EA	6,565 Lumens, 65 Watt, Arm Mount, Round, LED Security Area Fixture (Everlast EL-LED-NW)	647.16	116.13
		For >50 To 100, Deduct	*-32.36*	
		For >100 To 250, Deduct	*-48.54*	
		For >250 To 500, Deduct	*-75.09*	
		For >500 To 1,000, Deduct	*-101.64*	
		For >1,000, Deduct	*-128.19*	
26 56 19 00-0219		**Arm Mount, Round, LED Area Fixtures (Everlast EL-LED-MS)** *(26 56 19 00-0188)* Note: UL wet listed. Includes 2,700K, 4,000K or 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly. Excludes sensors.		
26 56 19 00-0220	EA	6,300 Lumens, 60 Watt, Arm Mount, Round, LED Area Fixture (Everlast EL-LED-MS)	1,060.95	129.04
		For >50 To 100, Deduct	*-53.05*	
		For >100 To 250, Deduct	*-79.57*	
		For >250 To 500, Deduct	*-126.17*	
		For >500 To 1,000, Deduct	*-172.76*	
		For >1,000, Deduct	*-219.36*	
26 56 19 00-0221	EA	9,500 Lumens, 100 Watt, Arm Mount, Round, LED Area Fixture (Everlast EL-LED-MS)	1,166.36	129.04
		For >50 To 100, Deduct	*-58.32*	
		For >100 To 250, Deduct	*-87.48*	
		For >250 To 500, Deduct	*-139.34*	
		For >500 To 1,000, Deduct	*-191.21*	
		For >1,000, Deduct	*-243.08*	
26 56 19 00-0222	EA	12,450 Lumens, 150 Watt, Arm Mount, Round, LED Area Fixture (Everlast EL-LED-MS)	1,323.35	129.04
		For >50 To 100, Deduct	*-66.17*	
		For >100 To 250, Deduct	*-99.25*	
		For >250 To 500, Deduct	*-158.97*	
		For >500 To 1,000, Deduct	*-218.68*	
		For >1,000, Deduct	*-278.40*	
26 56 19 00-0223		**Arm Mount, Rectangular, LED Area Fixtures (Everlast EL-LED-VS)** *(26 56 19 00-0188)* Note: UL wet listed. Includes 3,000K, 4,000K or 5,700K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly. Excludes sensors.		
26 56 19 00-0224	EA	14,000 Lumens, 140 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,054.23	129.04
		For >50 To 100, Deduct	*-52.71*	
		For >100 To 250, Deduct	*-79.07*	
		For >250 To 500, Deduct	*-125.33*	
		For >500 To 1,000, Deduct	*-171.59*	
		For >1,000, Deduct	*-217.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0225	EA	21,000 Lumens, 210 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,121.51	129.04
		For >50 To 100, Deduct	*-56.08*	
		For >100 To 250, Deduct	*-84.11*	
		For >250 To 500, Deduct	*-133.74*	
		For >500 To 1,000, Deduct	*-183.36*	
		For >1,000, Deduct	*-232.98*	
26 56 19 00-0226	EA	28,000 Lumens, 280 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,334.56	129.04
		For >50 To 100, Deduct	*-66.73*	
		For >100 To 250, Deduct	*-100.09*	
		For >250 To 500, Deduct	*-160.37*	
		For >500 To 1,000, Deduct	*-220.64*	
		For >1,000, Deduct	*-280.92*	
26 56 19 00-0227	EA	42,000 Lumens, 420 Watt, Arm Mount, Rectangular, LED Area Fixture (Everlast EL-LED-VS)	1,704.61	129.04
		For >50 To 100, Deduct	*-85.23*	
		For >100 To 250, Deduct	*-127.85*	
		For >250 To 500, Deduct	*-206.62*	
		For >500 To 1,000, Deduct	*-285.40*	
		For >1,000, Deduct	*-364.18*	

26 56 19 00-0228 Wall Mount, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0229 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0228)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0230	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,088.74	109.67
		For >50 To 100, Deduct	*-54.44*	
		For >100 To 250, Deduct	*-81.66*	
		For >250 To 500, Deduct	*-130.61*	
		For >500 To 1,000, Deduct	*-179.56*	
		For >1,000, Deduct	*-228.51*	
26 56 19 00-0231	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,114.55	122.58
		For >50 To 100, Deduct	*-55.73*	
		For >100 To 250, Deduct	*-83.59*	
		For >250 To 500, Deduct	*-133.19*	
		For >500 To 1,000, Deduct	*-182.79*	
		For >1,000, Deduct	*-232.39*	

26 56 19 00-0232 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0187)*

26 56 19 00-0233 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0234	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,055.25	116.13
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-52.76*	
		For >100 To 250, Deduct	*-79.14*	
		For >250 To 500, Deduct	*-126.10*	
		For >500 To 1,000, Deduct	*-173.06*	
		For >1,000, Deduct	*-220.01*	
26 56 19 00-0235	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,299.04	122.58
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-64.95*	
		For >100 To 250, Deduct	*-97.43*	
		For >250 To 500, Deduct	*-156.25*	
		For >500 To 1,000, Deduct	*-215.07*	
		For >1,000, Deduct	*-273.90*	
26 56 19 00-0236	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,542.81	129.04
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-77.14*	
		For >100 To 250, Deduct	*-115.71*	
		For >250 To 500, Deduct	*-186.40*	
		For >500 To 1,000, Deduct	*-257.09*	
		For >1,000, Deduct	*-327.78*	
26 56 19 00-0237	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,786.59	135.48
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-89.33*	
		For >100 To 250, Deduct	*-133.99*	
		For >250 To 500, Deduct	*-216.55*	
		For >500 To 1,000, Deduct	*-299.10*	
		For >1,000, Deduct	*-381.66*	

26 56 19 00-0238 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0239	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,017.56	116.13
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-50.88*	
		For >100 To 250, Deduct	*-76.32*	
		For >250 To 500, Deduct	*-121.39*	
		For >500 To 1,000, Deduct	*-166.46*	
		For >1,000, Deduct	*-211.53*	
26 56 19 00-0240	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,123.13	122.58
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-56.16*	
		For >100 To 250, Deduct	*-84.23*	
		For >250 To 500, Deduct	*-134.26*	
		For >500 To 1,000, Deduct	*-184.29*	
		For >1,000, Deduct	*-234.32*	

26 56 19 00-0241 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0232)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0242	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	1,032.90	116.13
		For >50 To 100, Deduct	*-51.65*	
		For >100 To 250, Deduct	*-77.47*	
		For >250 To 500, Deduct	*-123.31*	
		For >500 To 1,000, Deduct	*-169.14*	
		For >1,000, Deduct	*-214.98*	

26 56 19 00-0243 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0244	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,081.41	122.58
		For >50 To 100, Deduct	*-104.07*	
		For >100 To 250, Deduct	*-156.11*	
		For >250 To 500, Deduct	*-254.05*	
		For >500 To 1,000, Deduct	*-351.99*	
		For >1,000, Deduct	*-449.93*	
26 56 19 00-0245	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,107.21	135.48
		For >50 To 100, Deduct	*-105.36*	
		For >100 To 250, Deduct	*-158.04*	
		For >250 To 500, Deduct	*-256.63*	
		For >500 To 1,000, Deduct	*-355.21*	
		For >1,000, Deduct	*-453.80*	

26 56 19 00-0246 Surface Mount, Rectangular, LED Parking Structure Fixtures (Everlast EL-LED-SS) *(26 56 19 00-0232)*

Note: Direct or pendant mount. UL wet listed. Includes 2,700, 4,000K or 5,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0247	EA	3,600 Lumens, 36 Watt, Surface Mount, Round, LED Parking Structure Fixture (Everlast EL-LED-SS)	770.51	116.13
		For >50 To 100, Deduct	*-38.53*	
		For >100 To 250, Deduct	*-57.79*	
		For >250 To 500, Deduct	*-90.51*	
		For >500 To 1,000, Deduct	*-123.23*	
		For >1,000, Deduct	*-155.95*	
26 56 19 00-0248	EA	5,000 Lumens, 50 Watt, Surface Mount, Round, LED Parking Structure Fixture (Everlast EL-LED-SS)	851.24	116.13
		For >50 To 100, Deduct	*-42.56*	
		For >100 To 250, Deduct	*-63.84*	
		For >250 To 500, Deduct	*-100.60*	
		For >500 To 1,000, Deduct	*-137.35*	
		For >1,000, Deduct	*-174.11*	
26 56 19 00-0249	EA	7,500 Lumens, 75 Watt, Surface Mount, Round, LED Parking Structure Fixture (Everlast EL-LED-SS)	905.07	116.13
		For >50 To 100, Deduct	*-45.25*	
		For >100 To 250, Deduct	*-67.88*	
		For >250 To 500, Deduct	*-107.33*	
		For >500 To 1,000, Deduct	*-146.77*	
		For >1,000, Deduct	*-186.22*	

26 56 19 00-0250 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0187)*

26 56 19 00-0251 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0250)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0252	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,221.73	116.13
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-61.09*	
		For >100 To 250, Deduct	*-91.63*	
		For >250 To 500, Deduct	*-146.91*	
		For >500 To 1,000, Deduct	*-202.19*	
		For >1,000, Deduct	*-257.47*	
26 56 19 00-0253	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,465.52	122.58
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-73.28*	
		For >100 To 250, Deduct	*-109.91*	
		For >250 To 500, Deduct	*-177.06*	
		For >500 To 1,000, Deduct	*-244.21*	
		For >1,000, Deduct	*-311.35*	
26 56 19 00-0254	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,709.30	129.04
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-85.47*	
		For >100 To 250, Deduct	*-128.20*	
		For >250 To 500, Deduct	*-207.21*	
		For >500 To 1,000, Deduct	*-286.22*	
		For >1,000, Deduct	*-365.24*	
26 56 19 00-0255	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,953.07	135.48
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-97.65*	
		For >100 To 250, Deduct	*-146.48*	
		For >250 To 500, Deduct	*-237.36*	
		For >500 To 1,000, Deduct	*-328.24*	
		For >1,000, Deduct	*-419.12*	
26 56 19 00-0256	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,196.85	141.94
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-109.84*	
		For >100 To 250, Deduct	*-164.76*	
		For >250 To 500, Deduct	*-267.51*	
		For >500 To 1,000, Deduct	*-370.26*	
		For >1,000, Deduct	*-473.00*	
26 56 19 00-0257	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,533.29	148.39
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-126.66*	
		For >100 To 250, Deduct	*-190.00*	
		For >250 To 500, Deduct	*-309.24*	
		For >500 To 1,000, Deduct	*-428.49*	
		For >1,000, Deduct	*-547.73*	
26 56 19 00-0258	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,777.08	154.84
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-138.85*	
		For >100 To 250, Deduct	*-208.28*	
		For >250 To 500, Deduct	*-339.39*	
		For >500 To 1,000, Deduct	*-470.51*	
		For >1,000, Deduct	*-601.62*	
26 56 19 00-0259	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,264.64	167.74
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-163.23*	
		For >100 To 250, Deduct	*-244.85*	
		For >250 To 500, Deduct	*-399.69*	
		For >500 To 1,000, Deduct	*-554.54*	
		For >1,000, Deduct	*-709.38*	
26 56 19 00-0260	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,739.29	174.20
		For Multi-Level Drive Currents, Add	*219.88*	
		For >50 To 100, Deduct	*-186.96*	
		For >100 To 250, Deduct	*-280.45*	
		For >250 To 500, Deduct	*-458.70*	
		For >500 To 1,000, Deduct	*-636.96*	
		For >1,000, Deduct	*-815.21*	

26 56 19 00-0261 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0250)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0262	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	850.18	129.04
		For >50 To 100, Deduct	*-42.51*	
		For >100 To 250, Deduct	*-63.76*	
		For >250 To 500, Deduct	*-99.82*	
		For >500 To 1,000, Deduct	*-135.88*	
		For >1,000, Deduct	*-171.94*	

26 56 19 00-0263 Surface Mount, Square, LED Canopy Fixtures (General Electric Evolve™) *(26 56 19 00-0250)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0264	EA	35 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (General Electric ECBB 0 A5 5 40 2 A DKBZ)	1,022.54	116.13
		For >50 To 100, Deduct	*-51.13*	
		For >100 To 250, Deduct	*-76.69*	
		For >250 To 500, Deduct	*-122.01*	
		For >500 To 1,000, Deduct	*-167.33*	
		For >1,000, Deduct	*-212.65*	
26 56 19 00-0265	EA	64 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (General Electric ECBB 0 B5 5 40 2 A DKBZ)	1,112.35	122.58
		For >50 To 100, Deduct	*-55.62*	
		For >100 To 250, Deduct	*-83.43*	
		For >250 To 500, Deduct	*-132.91*	
		For >500 To 1,000, Deduct	*-182.40*	
		For >1,000, Deduct	*-231.89*	

26 56 19 00-0266 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0187)*

26 56 19 00-0267 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0266)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0268	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,036.40	116.13
		For >50 To 100, Deduct	*-51.82*	
		For >100 To 250, Deduct	*-77.73*	
		For >250 To 500, Deduct	*-123.74*	
		For >500 To 1,000, Deduct	*-169.76*	
		For >1,000, Deduct	*-215.77*	
26 56 19 00-0269	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,141.98	122.58
		For >50 To 100, Deduct	*-57.10*	
		For >100 To 250, Deduct	*-85.65*	
		For >250 To 500, Deduct	*-136.62*	
		For >500 To 1,000, Deduct	*-187.59*	
		For >1,000, Deduct	*-238.56*	

26 56 19 00-0270 Surface Mount, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0271 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0270)*

Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.

26 56 19 00-0272	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	715.59	116.13
		For >50 To 100, Deduct	*-35.78*	
		For >100 To 250, Deduct	*-53.67*	
		For >250 To 500, Deduct	*-83.64*	
		For >500 To 1,000, Deduct	*-113.62*	
		For >1,000, Deduct	*-143.59*	
26 56 19 00-0273	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,509.74	116.13
		For >50 To 100, Deduct	*-75.49*	
		For >100 To 250, Deduct	*-113.23*	
		For >250 To 500, Deduct	*-182.91*	
		For >500 To 1,000, Deduct	*-252.59*	
		For >1,000, Deduct	*-322.27*	
26 56 19 00-0274	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,246.57	129.04
		For >50 To 100, Deduct	*-62.33*	
		For >100 To 250, Deduct	*-93.49*	
		For >250 To 500, Deduct	*-149.37*	
		For >500 To 1,000, Deduct	*-205.25*	
		For >1,000, Deduct	*-261.12*	
26 56 19 00-0275	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,551.60	129.04
		For >50 To 100, Deduct	*-77.58*	
		For >100 To 250, Deduct	*-116.37*	
		For >250 To 500, Deduct	*-187.50*	
		For >500 To 1,000, Deduct	*-258.63*	
		For >1,000, Deduct	*-329.75*	

26 56 19 00-0276 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0270)*

Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.

26 56 19 00-0277	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	230.71	40.61
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-11.54*	
		For >100 To 250, Deduct	*-17.30*	
		For >250 To 500, Deduct	*-27.15*	
		For >500 To 1,000, Deduct	*-36.99*	
		For >1,000, Deduct	*-46.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0278	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	265.29	40.61
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-13.26*	
		For >100 To 250, Deduct	*-19.90*	
		For >250 To 500, Deduct	*-31.47*	
		For >500 To 1,000, Deduct	*-43.04*	
		For >1,000, Deduct	*-54.61*	
26 56 19 00-0279	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	331.16	40.61
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-16.56*	
		For >100 To 250, Deduct	*-24.84*	
		For >250 To 500, Deduct	*-39.70*	
		For >500 To 1,000, Deduct	*-54.57*	
		For >1,000, Deduct	*-69.44*	

26 56 19 00-0280 Surface Mount, LED Facade Fixtures *(26 56 19 00-0187)*

26 56 19 00-0281 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0280)*

26 56 19 00-0282	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	792.05	47.40
		For >50 To 100, Deduct	*-39.60*	
		For >100 To 250, Deduct	*-59.40*	
		For >250 To 500, Deduct	*-97.20*	
		For >500 To 1,000, Deduct	*-135.00*	
		For >1,000, Deduct	*-172.80*	
26 56 19 00-0283	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,300.95	43.28
		For >50 To 100, Deduct	*-65.05*	
		For >100 To 250, Deduct	*-97.57*	
		For >250 To 500, Deduct	*-161.07*	
		For >500 To 1,000, Deduct	*-224.57*	
		For >1,000, Deduct	*-288.08*	
26 56 19 00-0284	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,666.54	36.07
		For >50 To 100, Deduct	*-83.33*	
		For >100 To 250, Deduct	*-124.99*	
		For >250 To 500, Deduct	*-207.03*	
		For >500 To 1,000, Deduct	*-289.07*	
		For >1,000, Deduct	*-371.11*	
26 56 19 00-0285	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	2,032.12	28.86
		For >50 To 100, Deduct	*-101.61*	
		For >100 To 250, Deduct	*-152.41*	
		For >250 To 500, Deduct	*-252.98*	
		For >500 To 1,000, Deduct	*-353.56*	
		For >1,000, Deduct	*-454.14*	

26 56 19 00-0286 Post Top, LED Area Fixtures *(26 56 19 00-0187)*

26 56 19 00-0287 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.

26 56 19 00-0288	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,202.39	177.43
		For >50 To 100, Deduct	*-110.12*	
		For >100 To 250, Deduct	*-165.18*	
		For >250 To 500, Deduct	*-266.43*	
		For >500 To 1,000, Deduct	*-367.68*	
		For >1,000, Deduct	*-468.92*	
26 56 19 00-0289	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,438.12	177.43
		For >50 To 100, Deduct	*-121.91*	
		For >100 To 250, Deduct	*-182.86*	
		For >250 To 500, Deduct	*-295.89*	
		For >500 To 1,000, Deduct	*-408.93*	
		For >1,000, Deduct	*-521.96*	
26 56 19 00-0290	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,624.46	177.43
		For >50 To 100, Deduct	*-131.22*	
		For >100 To 250, Deduct	*-196.83*	
		For >250 To 500, Deduct	*-319.19*	
		For >500 To 1,000, Deduct	*-441.54*	
		For >1,000, Deduct	*-563.89*	

26 56 19 00-0291 Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0286)*

Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.

26 56 19 00-0292	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,606.63	177.43
		For >50 To 100, Deduct	*-130.33*	
		For >100 To 250, Deduct	*-195.50*	
		For >250 To 500, Deduct	*-316.96*	
		For >500 To 1,000, Deduct	*-438.42*	
		For >1,000, Deduct	*-559.88*	
26 56 19 00-0293	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,667.20	177.43
		For >50 To 100, Deduct	*-133.36*	
		For >100 To 250, Deduct	*-200.04*	
		For >250 To 500, Deduct	*-324.53*	
		For >500 To 1,000, Deduct	*-449.02*	
		For >1,000, Deduct	*-573.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0294		**Post Top, LED Area Fixtures (General Electric EPTC)** *(26 56 19 00-0286)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0295	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,786.61	177.43
		For >50 To 100, Deduct	*-89.33*	
		For >100 To 250, Deduct	*-134.00*	
		For >250 To 500, Deduct	*-214.46*	
		For >500 To 1,000, Deduct	*-294.91*	
		For >1,000, Deduct	*-375.37*	
26 56 19 00-0296	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,877.25	177.43
		For >50 To 100, Deduct	*-93.86*	
		For >100 To 250, Deduct	*-140.79*	
		For >250 To 500, Deduct	*-225.79*	
		For >500 To 1,000, Deduct	*-310.78*	
		For >1,000, Deduct	*-395.77*	
26 56 19 00-0297		**Post Top, LED Area Fixtures (General Electric EPST)** *(26 56 19 00-0286)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0298	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,374.59	177.43
		For >50 To 100, Deduct	*-68.73*	
		For >100 To 250, Deduct	*-103.09*	
		For >250 To 500, Deduct	*-162.95*	
		For >500 To 1,000, Deduct	*-222.81*	
		For >1,000, Deduct	*-282.67*	
26 56 19 00-0299	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,465.23	177.43
		For >50 To 100, Deduct	*-73.26*	
		For >100 To 250, Deduct	*-109.89*	
		For >250 To 500, Deduct	*-174.28*	
		For >500 To 1,000, Deduct	*-238.67*	
		For >1,000, Deduct	*-303.06*	
26 56 19 00-0300		**Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR)** *(26 56 19 00-0286)* Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0301	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	2,748.42	177.43
		For >50 To 100, Deduct	*-137.42*	
		For >100 To 250, Deduct	*-206.13*	
		For >250 To 500, Deduct	*-334.68*	
		For >500 To 1,000, Deduct	*-463.23*	
		For >1,000, Deduct	*-591.78*	
26 56 19 00-0302		**LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA)** *(26 56 19 00-0286)* Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0303	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	767.33	96.78
		For 0 To 10 Volt Dimming, Add	*55.57*	
		For >50 To 100, Deduct	*-38.37*	
		For >100 To 250, Deduct	*-57.55*	
		For >250 To 500, Deduct	*-91.08*	
		For >500 To 1,000, Deduct	*-124.61*	
		For >1,000, Deduct	*-158.13*	
26 56 19 00-0304		**LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)** *(26 56 19 00-0286)* Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0305	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	479.36	20.65
		For Backlight Control Shield, Add	*37.19*	
		For >50 To 100, Deduct	*-23.97*	
		For >100 To 250, Deduct	*-35.95*	
		For >250 To 500, Deduct	*-57.86*	
		For >500 To 1,000, Deduct	*-79.76*	
		For >1,000, Deduct	*-101.66*	
26 56 19 00-0306		**Surface Mount, LED Strip Fixtures (Sylvania)** *(26 56 19 00-0187)*		
26 56 19 00-0307	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	546.06	37.71
		For >50 To 100, Deduct	*-27.30*	
		For >100 To 250, Deduct	*-40.95*	
		For >250 To 500, Deduct	*-66.84*	
		For >500 To 1,000, Deduct	*-92.73*	
		For >1,000, Deduct	*-118.61*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21		**HID Exterior Lighting** *(26 56)*		
26 56 21 00-0001		High Mast Fixtures *(26 56 21)*		
26 56 21 00-0002		Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,018.27	159.83
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,158.65	159.83
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,136.59	182.59
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,220.82	182.59
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,239.57	228.23
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,323.80	228.23
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,085.68	159.83
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,169.91	159.83
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,528.64	168.96
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,589.00	182.59
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,734.11	228.23
26 56 21 00-0015		HID, Pole Mounted *(26 56 21)*		
26 56 21 00-0016		Metal Halide, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	745.82	260.62
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	843.77	282.89
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	992.61	304.32
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,241.91	356.65
26 56 21 00-0021		High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	833.77	304.32
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	859.96	304.32
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	900.12	304.32
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,009.14	304.32
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,164.21	304.32
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,183.45	304.32
26 56 21 00-0028		Low Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	758.57	165.55
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	787.43	243.45
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	945.19	243.45
26 56 21 00-0032		Metal Halide, Area Fixtures *(26 56 21)*		
26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures *(26 56 21 00-0032)* Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,178.91	162.46
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,293.59	178.71
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,431.48	194.96
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,506.89	227.46
26 56 21 00-0038		High Pressure Sodium, Area Fixtures *(26 56 21)*		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	981.07	129.97
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,060.75	162.46
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,144.38	194.96
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,199.22	227.46
26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21)*		
26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	695.51	243.45
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	797.92	273.88
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	966.91	304.32
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,218.02	356.65
26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	678.12	208.16
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	739.06	221.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	798.31	233.71
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	824.36	243.45
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	918.12	273.88
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	990.71	304.32
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,353.86	356.65
26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21)*		
26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	826.28	164.33
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	854.25	182.59
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	909.79	208.16
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	933.45	221.54
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	957.69	233.71
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,003.78	243.45
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,100.90	273.88
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,345.29	304.32
26 56 21 00-0068		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	909.38	182.59
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	956.51	208.16
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	988.07	221.54
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,029.05	233.71
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,050.54	243.45
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,150.04	273.88
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,475.99	304.32
26 56 21 00-0076		Wall Packs *(26 56 21)*		
26 56 21 00-0077		Non-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	363.12	56.40
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	391.62	56.40
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	391.62	56.40
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	529.75	56.40
26 56 21 00-0082		Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	752.71	56.40
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	762.95	56.40
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	771.82	56.40
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	755.65	56.40
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	689.18	56.40
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	652.67	56.40
26 56 21 00-0089		Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	794.76	56.40
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	804.10	56.40
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	787.96	56.40
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	800.96	56.40
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	800.96	56.40
26 56 21 00-0095		Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.76	75.13
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.76	75.13
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	693.73	75.13
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	712.90	75.13
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	712.90	75.13
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	657.43	75.13
26 56 21 00-0102		Cutoff, Borosilicate Glass Lens, Small Wall Packs *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.40	75.13
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.40	75.13
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	773.40	75.13
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.97	75.13
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.97	75.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	743.97	75.13
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,012.85	75.13
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	937.81	93.06
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,005.63	93.06
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,086.49	93.06
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,108.75	93.06
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,025.04	93.06
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,101.25	93.06
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	930.25	112.80
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	849.54	112.80
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	911.57	112.80
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	917.75	112.80
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	924.22	112.80
26 56 21 00-0125		**Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	930.27	112.80
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	957.20	112.80
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,037.91	112.80
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	984.11	112.80
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,011.05	112.80
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,064.80	112.80
26 56 21 00-0132		**Semi-Cutoff, Induction Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0133		**Semi-Cutoff, Induction Wall Packs (Everlast®)** *(26 56 21 00-0132)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,250.46	109.67
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,274.85	116.13
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,299.25	122.58
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,450.01	129.04
26 56 21 00-0138		**Non-Cutoff, Polycarbonate Lens, Small Wall Packs** *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	375.68	56.40
26 56 21 00-0140		**Induction, Roadway Lighting** *(26 56 21)*		
26 56 21 00-0141		**Induction Roadway Lighting (US Lighting Tech)** *(26 56 21 00-0140)*		
		Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	687.92	193.55
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	759.80	200.01
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	785.61	212.91
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	811.42	225.80
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	959.98	232.26
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	977.61	238.71
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	638.37	193.55
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	717.33	200.01
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	743.14	212.91
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	768.95	225.80
26 56 21 00-0152		**Induction, Area Fixtures** *(26 56 21)*		
26 56 21 00-0153		**Post Top, Induction Area Fixtures** *(26 56 21 00-0152)*		
26 56 21 00-0154		**Post Top, Induction Area Fixtures (US Lighting Tech)** *(26 56 21 00-0153)*		
		Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	780.70	177.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	849.12	177.43
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	849.12	177.43
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	849.12	177.43
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	706.13	161.29
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	752.69	164.52
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	763.87	167.74
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	775.04	170.97
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	786.21	174.20
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	802.10	177.43
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	832.29	167.74
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	843.46	170.97
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	854.63	174.20
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	890.57	177.43
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)*		
		Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,307.90	109.67
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,343.78	116.13
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,379.67	122.58

END OF SECTION 26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,071.42	115.49
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,363.69	154.02
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,167.28	230.97
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	12.93	1.70
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	77.93	30.51
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	187.49	30.51
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	202.78	30.51
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	393.71	30.51
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	78.57	5.65
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	26.25	5.65
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	28.09	5.65
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	31.50	5.65

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*
Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	9.37	2.82
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.41*	
		For >500, Deduct	*-2.07*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
		For Painted Powder Coated Finish, Add	*0.76*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	9.95	2.82
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-2.13*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
		For Painted Powder Coated Finish, Add	*2.65*	
		For Low Friction Xylan® Coated Finish, Add	*9.44*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	10.84	2.82
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.52*	
		For >500, Deduct	*-2.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
		For Painted Powder Coated Finish, Add	*3.25*	
		For Low Friction Xylan® Coated Finish, Add	*11.73*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	18.56	2.82
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
		For Painted Powder Coated Finish, Add	*1.74*	
		For Low Friction Xylan® Coated Finish, Add	*10.40*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*
Note: Includes screw.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	10.73	2.82
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.51*	
		For >500, Deduct	*-2.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	14.20	2.82
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-0.99*	
		For >250 To 500, Deduct	*-1.77*	
		For >500, Deduct	*-2.55*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	15.89	2.82
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.72*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	21.95	2.82
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.51*	
		For Work In Restricted Working Space, Add	*1.70*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	11.37	2.82
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.85*	
		For >250 To 500, Deduct	*-1.56*	
		For >500, Deduct	*-2.27*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	13.69	2.82
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.50*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	14.89	2.82
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	20.61	2.82
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-3.19*	
		For Work In Restricted Working Space, Add	*1.70*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	13.91	2.82
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.75*	
		For >500, Deduct	*-2.52*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	17.83	2.82
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.91*	
		For Work In Restricted Working Space, Add	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	18.85	2.82
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-3.02*	
		For Work In Restricted Working Space, Add	*1.70*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.

27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	11.06	2.82
		For >50 To 100, Deduct	*-0.42*	
		For >100 To 250, Deduct	*-0.84*	
		For >250 To 500, Deduct	*-1.54*	
		For >500, Deduct	*-2.24*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	11.59	2.82
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.58*	
		For >500, Deduct	*-2.29*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	14.31	2.82
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.78*	
		For >500, Deduct	*-2.56*	
		For Work In Restricted Working Space, Add	*1.70*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	14.00	2.82
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.76*	
		For >500, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	15.27	2.82
		For >50 To 100, Deduct	*-0.52*	
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.85*	
		For >500, Deduct	*-2.66*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	21.59	2.82
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.29*	
		For Work In Restricted Working Space, Add	*1.70*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	13.82	2.82
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.74*	
		For >500, Deduct	*-2.51*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	16.09	2.82
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	17.29	2.82
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-2.00*	
		For >500, Deduct	*-2.86*	
		For Work In Restricted Working Space, Add	*1.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	23.88	2.82
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.50*	
		For >500, Deduct	*-3.52*	
		For Work In Restricted Working Space, Add	*1.70*	
27 05 29 00-0034		Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*		
27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	40.28	3.72
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.43*	
		For >500, Deduct	*-6.28*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.92*	
		For Work In Restricted Working Space, Add	*3.38*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.13	3.72
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.62*	
		For >250 To 500, Deduct	*-4.49*	
		For >500, Deduct	*-6.37*	
		For Work In Restricted Working Space, Add	*3.38*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	45.54	3.72
		For >50 To 100, Deduct	*-1.42*	
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.83*	
		For >500, Deduct	*-6.81*	
		For Work In Restricted Working Space, Add	*3.38*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	40.14	3.72
		For >50 To 100, Deduct	*-1.29*	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-4.42*	
		For >500, Deduct	*-6.27*	
		For Work In Restricted Working Space, Add	*3.38*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.18	3.72
		For >50 To 100, Deduct	*-1.34*	
		For >100 To 250, Deduct	*-2.67*	
		For >250 To 500, Deduct	*-4.57*	
		For >500, Deduct	*-6.47*	
		For Work In Restricted Working Space, Add	*3.38*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	44.21	3.72
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 500, Deduct	*-4.73*	
		For >500, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*3.38*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	41.50	3.72
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-4.52*	
		For >500, Deduct	*-6.41*	
		For Work In Restricted Working Space, Add	*3.38*	

27 05 33 Conduits and Back Boxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 08 Commissioning of Communications *(27)*

See CSI section 01 91 13 00-0001 for commissioning.

27 10 Structured Cabling *(27)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	96.66	29.33
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*54.22*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	193.32	58.66
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*108.43*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	384.40	84.60
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	493.56	93.06
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	567.88	107.16
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	589.84	109.98
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	733.87	112.80
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	915.93	126.90
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	941.01	124.08
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,199.47	176.76
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,280.16	194.24
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,563.47	205.19
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,291.50	169.20
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,396.56	183.30
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,737.37	234.96
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	2,079.57	293.73
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,382.68	290.46
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,725.44	353.40

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	551.49	180.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	759.50	191.76
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	820.04	203.04
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	709.84	157.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	774.52	160.74
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	773.80	163.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	793.55	166.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	813.07	169.20
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	834.19	172.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	713.55	174.84
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	875.24	177.66
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	905.88	180.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	932.67	183.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	939.38	186.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	750.27	157.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	776.02	160.74
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	798.70	163.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	840.90	166.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	861.82	169.20
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	884.55	172.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	764.49	174.84
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	928.69	177.66
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	961.86	180.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	990.86	183.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	997.66	186.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	

27 11 16 00-0054 35" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	930.35	169.20
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	979.41	174.84
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	

27 11 16 00-0057 UL Listed Universal Equipment Racks *(27 11 16 00-0028)*

Note: UL listed as a communications circuit accessory.

27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*

27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	749.25	157.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	809.00	160.74
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	821.43	163.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	839.66	166.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	860.53	169.20
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	883.20	172.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	904.99	174.84
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	927.26	177.66
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	960.39	180.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	989.31	183.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	996.05	186.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	

27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks *(27 11 16 00-0057)*

27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	793.76	157.93
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	869.37	160.74
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	880.52	163.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	891.70	166.38
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	914.15	169.20
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	938.61	172.02
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	962.03	174.84
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	986.01	177.66
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	1,021.93	180.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,053.29	183.30
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,060.29	186.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	

27 11 16 00-0082 4-Post Equipment Racks And Server Frames *(27 11 16 00-0022)*

27 11 16 00-0083 4-Post Equipment Racks *(27 11 16 00-0082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,510.87	282.00
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,648.34	293.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,778.07	304.56
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,552.51	282.00
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0091		**Single-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	87.00	11.28
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	96.77	11.28
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	72.79	11.28
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	88.47	11.28
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	103.60	11.28
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	80.51	11.28
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	118.96	11.28
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	135.28	11.28
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	95.97	11.28
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	107.83	11.28
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	120.72	11.28
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	113.41	11.28
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	131.86	11.28
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	146.49	11.28
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	163.93	11.28
27 11 16 00-0108		**Vertical Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0109		**Single-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	194.18	16.92
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	273.38	16.92
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	439.51	16.92
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	497.47	16.92
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	207.70	16.92
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	294.63	16.92
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	478.15	16.92
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	536.10	16.92
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	234.74	16.92
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	323.61	16.92
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	536.10	16.92
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	594.06	16.92
27 11 16 00-0122		**Double-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	281.11	16.92
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	331.33	16.92
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	536.10	16.92
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	632.69	16.92
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	304.29	16.92
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	354.52	16.92
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	574.74	16.92
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	671.33	16.92
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	335.20	16.92
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	385.42	16.92
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	632.69	16.92
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	729.28	16.92
27 11 16 00-0135		**Accessories For Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	119.15	11.28
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	126.88	11.28
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	134.60	11.28
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	123.01	11.28
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	134.60	11.28
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	146.19	11.28
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	138.47	11.28
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	150.06	11.28
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	161.65	11.28
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	146.19	11.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	161.65	11.28
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	173.24	11.28
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	99.83	11.28
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	115.29	11.28
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	120.50	11.28
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	76.65	11.28

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	240.00	56.40
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	348.53	56.40
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	451.23	56.40
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	546.92	56.40
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	859.87	70.50
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,004.77	84.60
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	324.26	56.40
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	355.54	56.40
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	598.27	56.40
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,102.80	84.60
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	795.40	84.60
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	833.84	84.60
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	274.80	56.40
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	39.96	
		For >5 To 10 Cables, Deduct	*-7.19*	
		For >10 Cables, Deduct	*-15.98*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	10.99	
		For >20 To 40 Pairs, Deduct	*-1.76*	
		For >40 Pairs, Deduct	*-4.18*	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*

27 11 19 00-0019 Fiber Optic Cable Connector Housings *(27 11 19 00-0018)*

27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	134.13	25.38
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	199.02	25.38
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	295.02	25.38
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	435.77	42.30
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	606.69	42.30

27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	461.61	42.30
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	518.46	42.30
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	558.32	42.30
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	654.63	42.30

27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	564.98	42.30
		For Splice Tray Bracket, Add	*84.85*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	661.91	42.30
		For Splice Tray Bracket, Add	*92.78*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	825.28	42.30
		For Splice Tray Bracket, Add	*338.02*	

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	974.67	42.30
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,255.96	42.30
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,426.47	42.30
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,861.35	42.30

27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0019)*

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	640.32	25.38
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	885.68	42.30
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	929.45	42.30
27 11 19 00-0044		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0019)*		
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	670.56	25.38
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	885.15	42.30
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,039.98	42.30
27 11 19 00-0048		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0018)*		
27 11 19 00-0049		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	88.11	5.64
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	95.63	5.64
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	107.28	5.64
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	117.30	5.64
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	145.66	5.64
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	160.63	5.64
27 11 19 00-0056		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	84.79	5.64
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	86.56	5.64
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	102.88	5.64
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	105.23	5.64
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	139.05	5.64
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	142.54	5.64
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	124.20	5.64
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	136.64	5.64
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	152.77	5.64
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	169.38	5.64
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	152.57	5.64
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	170.25	5.64
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	267.18	5.64
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	300.33	5.64
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	381.54	5.64
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	282.77	5.64
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	73.24	5.64
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	78.92	5.64
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	87.46	5.64
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	95.05	5.64
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	115.89	5.64
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	127.28	5.64
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	91.04	5.64
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	136.23	5.64
27 11 19 00-0084		**Blank Plates, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	Blank Plate For Fiber Optic Cable Connector Panel Or Enclosures (Leviton 5F100-PLT)	24.37	5.65
27 11 19 00-0086		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0087	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,098.68	5.64
27 11 19 00-0088	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,102.51	5.64
27 11 19 00-0089		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0090		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0089)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	396.09	56.40
27 11 19 00-0092		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0089)*		
		Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0093	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	608.43	42.30
27 11 19 00-0094	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	637.22	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0095		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0089)*		
27 11 19 00-0096	EA	Fiber Optic Cable Splice Tray	114.89	14.10
27 11 19 00-0097		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0098	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	211.25	42.30
27 11 19 00-0099		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0100	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	62.35	
27 11 19 00-0101	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	82.79	
27 11 19 00-0102	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	90.57	
27 11 19 00-0103	EA	Wall Mount Bracket For 96 Port Patch Panel	101.00	
27 11 19 00-0104	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	543.35	56.40
27 11 19 00-0105		**Telephone Components** *(27 11 19)*		
27 11 19 00-0106		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0105)*		
27 11 19 00-0107	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	34.90	11.30
27 11 19 00-0108	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	70.23	11.30
27 11 19 00-0109	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	55.77	11.30
27 11 19 00-0110	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	26.29	11.30
27 11 19 00-0111	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	18.59	7.91
27 11 19 00-0112	EA	Ground Terminal Block With Wire Range 22-8 AWG	36.43	11.30
27 11 19 00-0113	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	26.29	11.30
27 11 19 00-0114	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	18.37	7.91
27 11 19 00-0115	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	18.21	7.91
27 11 19 00-0116	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	18.91	7.91
27 11 19 00-0117		**Terminal Block Mounting Channel** *(27 11 19 00-0105)*		
27 11 19 00-0118	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	18.57	5.65
27 11 19 00-0119	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	24.44	5.65
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	34.83	5.65
27 11 19 00-0121	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	24.06	6.78
27 11 19 00-0122	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	33.85	6.78
27 11 19 00-0123	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	50.14	6.78
27 11 19 00-0124		**Outlet Termination Hardware** *(27 11 19 00-0105)*		
27 11 19 00-0125	EA	Telephone Outlet Blocks	37.72	5.65
27 11 19 00-0126	EA	Phone Outlet Block For Floor Box	96.18	42.86
		Note: Excludes box.		
27 11 19 00-0127	EA	Fiber Optic "SC" Type Modular Bulkhead	89.06	25.38
27 11 19 00-0128	EA	Fiber Optic "ST" Type Modular Bulkhead	89.06	25.38
27 11 19 00-0129	EA	Type "F" Coaxial Connector Male	51.39	16.92
27 11 19 00-0130	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	137.78	28.20
27 11 19 00-0131	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	137.78	28.20
27 11 19 00-0132	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	168.10	28.20
27 11 19 00-0133	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	168.10	28.20
27 11 19 00-0134	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	152.14	28.20
27 11 19 00-0135	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,354.32	141.00
27 11 19 00-0136	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V	63.86	11.28
		Note: Excludes cable terminations.		
27 11 19 00-0137	EA	5-Pair, Connecting Block	3.73	1.13
27 11 19 00-0138	EA	4-Pair, Connecting Block	4.07	1.13
27 11 19 00-0139	EA	Plastic Label Holder, Transparent	15.06	2.82
27 11 19 00-0140	EA	Marked Label, White, 5-Pair	3.99	
27 11 19 00-0141	EA	Marked Label, Blue, 4-Pair	3.99	
27 11 19 00-0142		**Terminations in Manhole or Junction Box** *(27 11 19 00-0105)*		
27 11 19 00-0143	EA	25 Pair Cable Termination In Manhole Or Junction Box	180.48	
27 11 19 00-0144	EA	50 Pair Cable Termination In Manhole Or Junction Box	360.96	
27 11 19 00-0145	EA	100 Pair Cable Termination In Manhole Or Junction Box	721.92	
27 11 19 00-0146	EA	150 Pair Cable Termination In Manhole Or Junction Box	1,082.88	
27 11 19 00-0147	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,266.75	
27 11 19 00-0148	EA	300 Pair Cable Termination In Manhole Or Junction Box	1,899.55	
27 11 19 00-0149	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,389.10	
27 11 19 00-0150	EA	500 Pair Cable Termination In Manhole Or Junction Box	2,986.94	
27 11 19 00-0151	EA	750 Pair Cable Termination In Manhole Or Junction Box	4,480.39	
27 11 19 00-0152	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	5,433.54	
27 11 19 00-0153	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	6,192.77	

27 11 23 Communications Cable Management and Ladder Rack *(27 11)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 23 00-0001		Equipment Supports *(27 11 23)*		
27 11 23 00-0002	EA	12" x 5'-11" Tubular Runway	123.77	27.07
27 11 23 00-0003	EA	12" x 9'-11" Tubular Runway	213.22	45.12
27 11 23 00-0004	EA	Shelf Bracket Support For Tubular Runway	39.09	8.46
27 11 23 00-0005	EA	Straight Clamp Hardware For Tubular Runway	15.86	5.64
27 11 23 00-0006	EA	Corner Clamp Hardware For Tubular Runway	17.00	5.64
27 11 23 00-0007	EA	90 Degree Edge Clamp Hardware For Tubular Runway	40.20	10.15
27 11 23 00-0008	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	87.58	16.92
27 11 23 00-0009	EA	J-Bolt Hardware For Tubular Runway	7.62	2.49
27 11 23 00-0010	EA	T Bracket Hardware For Tubular Runway	43.87	14.10
27 11 23 00-0011	LF	Velcro CMP	2.89	1.13
27 11 23 00-0012	EA	110 Jumper Trough (Commscope 107831133)	32.81	5.64
27 11 23 00-0013	EA	2" J-Hook, Cable Or Rod Attachment (Cooper B-Line BCH32-W6)	14.27	2.82
27 11 23 00-0014	EA	4" J-Hook, Screw Attachment (Cooper B-Line BCH64)	18.47	2.82
27 11 23 00-0015	EA	Stringer Multi-Function Clip (Cooper B-Line BW6S)	7.49	2.82
27 11 23 00-0016	EA	Black Neoprene Protective Cover For Cable Tray Stringers (Cooper B-Line SB21B)	70.68	2.82
27 11 23 00-0017	EA	3" Channel Rack-To-Cable Tray Mounting Plate For 9" To 12" Wide Cable Tray (Chatsworth 10595-712)	126.29	28.25
27 11 23 00-0018	EA	19" Wide, 11.73" Deep, Double Sided, Horizontal Wire Manager (Chatsworth 30530-719)	175.08	11.30
27 11 23 00-0019	EA	7' High, 10" Wide, 16.15" Deep, Double Sided, Vertical Wire Manager (Chatsworth 30096-703)	1,630.31	16.95
27 11 23 00-0020	EA	7' High, 10" Wide, 8.08" Deep, Vertical Wire Manager (Chatsworth 30093-703)	1,146.20	16.95
27 11 23 00-0021	EA	7' High, 19" Wide, 45U Standard EIA Rack (Chatsworth 55053-703)	437.15	113.00
27 11 23 00-0022	EA	Rack Base Dust Cover For 19" Wide, 3" Deep Two Post Racks (Chatsworth 41050-719)	69.38	1.13
27 11 23 00-0023	EA	Environmental Enclosure, NEMA 4x SS, 6' Free Standing	31,797.43	888.83
27 11 23 00-0024	EA	DVR Enclosure	2,181.64	222.18
27 11 23 00-0025	EA	Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	8,189.12	444.38
27 11 23 00-0026	EA	Panel, NEMA 12/27.00x21.00	564.50	111.09
27 11 23 00-0027	EA	Panel, NEMA 12/8.75x6.88	144.44	111.09
27 11 23 00-0028	EA	Clamp Assembly, Fast Opening, Stainless Steel Type 304	197.80	111.09
27 11 23 00-0029	EA	Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	7,411.46	111.09

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001		Building Entrance Terminals *(27 13 13 13)*		
27 13 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,883.11	247.32
27 13 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,788.37	412.20
27 13 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,304.40	660.04
27 13 13 13-0005		Modular Plugs For Copper Communications Cable *(27 13 13 13)*		
27 13 13 13-0006	EA	Modular Plug For Non Shielded Copper Communications Cable	29.07	
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	*-3.38*	
		For >10, Deduct	*-6.75*	
27 13 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable	33.28	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	*-3.80*	
		For >10, Deduct	*-7.60*	
27 13 13 13-0008		Testing And Certification Of Copper Communications Cable *(27 13 13 13)*		
		Note: Use for existing systems.		
27 13 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	5.64	
		For >25-Pair, Deduct	*-2.25*	
27 13 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable	8.46	
		For >25-Pair, Deduct	*-3.38*	
27 13 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable	13.53	
		For >25-Pair, Deduct	*-5.40*	
27 13 13 13-0012	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	22.56	
		For >25-Pair, Deduct	*-9.00*	
27 13 13 13-0013	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	33.84	
		For >25-Pair, Deduct	*-13.50*	
27 13 13 13-0014	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	54.15	
		For >25-Pair, Deduct	*-21.61*	
27 13 13 13-0015		Communications Termination Blocks *(27 13 13 13)*		
27 13 13 13-0016	EA	100-Pair, 110 Block With Legs	61.10	14.10
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs	108.95	14.10
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block	12.21	5.64
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block	7.09	2.82
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block	7.26	2.82
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System	363.54	16.92
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System	591.27	16.92
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23		**Communications Optical Fiber Backbone Cabling** *(27 13)*		
27 13 23 13		**Communications Optical Fiber Splicing and Terminations** *(27 13 23)*		
27 13 23 13-0001		Fiber Optic Cable Connectors *(27 13 23 13)*		
27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	35.98	
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	42.65	
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	40.92	
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	49.43	
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	56.80	
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	58.79	
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	89.52	
27 13 23 13-0009		Fiber Optic Cable Fan Out Kits *(27 13 23 13)*		
27 13 23 13-0010		Buffer Tube Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*		
27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	248.35	
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	252.69	
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	289.39	
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	316.92	
27 13 23 13-0015		Spider Fan Out Kits For Fiber Optic Cable *(27 13 23 13-0009)*		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	301.88	
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	331.04	
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	481.97	
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	623.94	
27 13 23 13-0020		Fiber Optic Cable Splice Closures *(27 13 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,005.77	112.80
27 13 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,231.37	225.60
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,231.37	225.60
27 13 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,711.69	112.80
27 13 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,937.29	225.60
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,937.29	225.60
27 13 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure	67.53	14.10
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0028		Fiber Optic Cable Testing *(27 13 23 13)*		
		Note: Price based on testing one wavelength.		
27 13 23 13-0029		Fiber Optic Cable Testing Using An OTDR *(27 13 23 13-0028)*		
		Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0030	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	22.56	
		For >12 To 48 Strands, Deduct	*-1.69*	
		For >48 Strands, Deduct	*-2.26*	
27 13 23 13-0031	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	33.84	
		For >12 To 48 Strands, Deduct	*-2.54*	
		For >48 Strands, Deduct	*-3.38*	
27 13 23 13-0032	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	56.40	
		For >12 To 48 Strands, Deduct	*-4.23*	
		For >48 Strands, Deduct	*-5.64*	
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	84.60	
		For >12 To 48 Strands, Deduct	*-6.35*	
		For >48 Strands, Deduct	*-8.46*	
27 13 23 13-0034		Fiber Optic Cable Testing Using A Power Meter *(27 13 23 13-0028)*		
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	22.56	
		For >12 To 48 Strands, Deduct	*-1.69*	
		For >48 Strands, Deduct	*-2.26*	
27 13 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	33.84	
		For >12 To 48 Strands, Deduct	*-2.54*	
		For >48 Strands, Deduct	*-3.38*	
27 13 23 13-0037		Fiber Optic Cable Light Source/Continuity Testing *(27 13 23 13-0028)*		
27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	22.56	
		For >12 To 48 Strands, Deduct	*-1.69*	
		For >48 Strands, Deduct	*-2.26*	
27 13 23 13-0039		Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0040	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	33.84	
27 13 23 13-0041	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	112.80	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0042		Other Fiber Optic Cable Equipment *(27 13 23 13)*		
27 13 23 13-0043	EA	8 Port Ethernet Switch	1,023.46	221.93
27 13 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth Note: Patch antenna with 1 meter 3' SMA-N cable	1,470.06	221.93
27 13 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge Note: 8 Volt DC input	37,755.20	221.93
27 13 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	368.28	27.79
27 13 23 13-0047	EA	Hardened Ethernet Switch	3,953.83	111.09
27 13 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	102,457.19	2,666.25
27 13 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	127,166.64	3,555.00
27 13 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	1,602.56	222.18
27 13 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	1,889.97	111.09
27 13 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	1,577.25	111.09
27 13 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	2,001.06	166.64
27 13 23 13-0054		Other Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0055	EA	Fiber Optic Finger Splice	49.21	21.21
27 13 23 13-0056	EA	Fiber Optic Splice Box - Manholes	11,478.37	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0001		Fire Alarm/Life Safety Cable *(27 15 01 19)*		
27 15 01 19-0002		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0003		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*		
27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,872.43	767.49
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,312.06	795.24
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,135.34	872.39
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,837.28	903.53
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,455.48	976.62
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,456.06	1,011.81
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,157.09	1,116.72
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,712.95	1,156.54
27 15 01 19-0012		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,151.58	1,535.21
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,637.47	1,590.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,589.34	1,745.01
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,343.16	1,807.06
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,083.18	1,953.70
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,142.41	2,023.64
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,018.29	2,233.44
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,640.70	2,313.54
27 15 01 19-0021		**Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** *(27 15 01 19-0001)*		
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,175.84	628.07
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,274.03	650.40
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,430.18	767.49
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,528.50	781.37
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,587.72	795.24
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,780.19	822.98
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,057.41	850.74
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,670.54	872.39
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,885.41	903.53
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,938.05	976.62
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,274.86	1,011.81
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,371.71	1,116.72
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,916.33	1,156.54
27 15 01 19-0035		**Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable** *(27 15 01 19-0001)*		
27 15 01 19-0036		**Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit** *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,165.68	628.07
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,423.58	767.49
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,592.27	781.37
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,605.38	795.24
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,872.35	822.98
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,660.57	872.39
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,907.78	903.53
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,893.18	976.62
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,453.22	1,011.81
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,357.04	1,116.72
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,187.10	1,156.54
27 15 01 19-0048		**Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed** *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,212.46	1,256.59
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,702.73	1,535.21
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,893.99	1,562.28
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,930.79	1,590.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,244.00	1,645.75
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,114.57	1,745.01
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,413.66	1,807.06
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,520.88	1,953.70
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,139.57	2,023.64
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,218.24	2,233.44
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	5,114.85	2,313.54
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,207.49	628.07
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,453.43	767.49
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,703.10	781.37
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,635.93	795.24
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,903.59	822.98
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,729.18	872.39
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,939.52	903.53
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,041.17	976.62
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,379.01	1,011.81
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,466.55	1,116.72
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,961.79	1,156.54
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,254.27	1,256.59
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,732.58	1,535.21
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,004.82	1,562.28
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,961.34	1,590.48
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,275.24	1,645.75
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,183.18	1,745.01
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,445.40	1,807.06
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,668.87	1,953.70
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,065.36	2,023.64
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,327.75	2,233.44
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,889.54	2,313.54
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,171.72	628.07
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,476.74	767.49
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,597.63	781.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,699.15	795.24
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,921.57	822.98
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,704.56	872.39
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,009.13	903.53
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,999.53	976.62
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,548.45	1,011.81
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,409.19	1,116.72

27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*

27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,218.50	1,256.59
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,755.89	1,535.21
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,899.35	1,562.28
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,024.56	1,590.48
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,293.22	1,645.75
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,158.56	1,745.01
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,515.01	1,807.06
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,627.23	1,953.70
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,234.80	2,023.64
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,270.39	2,233.44

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Solid Conductor Low Voltage Cable *(27 15 13)*

27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,997.30	1,020.20
		For #10 AWG, Add	*438.05*	
		For Work In Restricted Working Space, Add	*510.15*	
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,308.69	1,056.27
		For #10 AWG, Add	*532.94*	
		For Work In Restricted Working Space, Add	*528.29*	
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,584.85	1,093.37
		For #10 AWG, Add	*616.17*	
		For Work In Restricted Working Space, Add	*546.53*	
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,876.68	1,130.46
		For #10 AWG, Add	*704.30*	
		For Work In Restricted Working Space, Add	*565.40*	
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,219.15	1,206.72
		For #10 AWG, Add	*800.79*	
		For Work In Restricted Working Space, Add	*603.54*	
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,535.47	1,281.96
		For #10 AWG, Add	*888.88*	
		For Work In Restricted Working Space, Add	*641.15*	
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,862.84	1,434.47
		For #10 AWG, Add	*963.99*	
		For Work In Restricted Working Space, Add	*717.10*	
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,114.39	1,890.99
		For #10 AWG, Add	*1,278.11*	
		For Work In Restricted Working Space, Add	*945.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,598.30	2,792.68
		For #10 AWG, Add	*1,902.51*	
		For Work In Restricted Working Space, Add	*1,395.98*	

27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,770.62	892.43
		For Work In Restricted Working Space, Add	*446.11*	
27 15 13 00-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,063.93	924.37
		For Work In Restricted Working Space, Add	*462.18*	
27 15 13 00-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,323.30	956.31
		For Work In Restricted Working Space, Add	*478.26*	
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,596.64	989.29
		For Work In Restricted Working Space, Add	*494.65*	
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,913.70	1,056.27
		For Work In Restricted Working Space, Add	*528.03*	
27 15 13 00-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,205.39	1,122.22
		For Work In Restricted Working Space, Add	*560.80*	
27 15 13 00-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,498.87	1,255.17
		For Work In Restricted Working Space, Add	*627.58*	
27 15 13 00-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,632.53	1,653.97
		For Work In Restricted Working Space, Add	*826.98*	
27 15 13 00-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,886.45	2,443.34
		For Work In Restricted Working Space, Add	*1,221.77*	

27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,578.05	796.58
		For Work In Restricted Working Space, Add	*398.50*	
27 15 13 00-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,776.46	825.44
		For Work In Restricted Working Space, Add	*412.72*	
27 15 13 00-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,065.17	854.29
		For Work In Restricted Working Space, Add	*426.94*	
27 15 13 00-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,307.25	883.15
		For Work In Restricted Working Space, Add	*441.78*	
27 15 13 00-0028	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,587.38	942.91
		For Work In Restricted Working Space, Add	*471.46*	
27 15 13 00-0029	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,845.96	1,001.65
		For Work In Restricted Working Space, Add	*500.83*	
27 15 13 00-0030	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,976.10	1,061.43
		For Work In Restricted Working Space, Add	*530.51*	
27 15 13 00-0031	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,107.26	1,121.20
		For Work In Restricted Working Space, Add	*560.49*	
27 15 13 00-0032	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,432.26	1,192.30
		For Work In Restricted Working Space, Add	*596.05*	
27 15 13 00-0033	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,113.31	1,476.72
		For Work In Restricted Working Space, Add	*738.41*	
27 15 13 00-0034	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,114.05	2,181.59
		For Work In Restricted Working Space, Add	*1,090.85*	

27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0036	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,344.93	701.78
		For Work In Restricted Working Space, Add	*350.58*	
27 15 13 00-0037	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,536.23	726.51
		For Work In Restricted Working Space, Add	*363.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0038	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,706.44	751.24
		For Work In Restricted Working Space, Add	*375.93*	
27 15 13 00-0039	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,884.70	777.00
		For Work In Restricted Working Space, Add	*388.61*	
27 15 13 00-0040	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,100.22	829.56
		For Work In Restricted Working Space, Add	*414.88*	
27 15 13 00-0041	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,300.25	881.08
		For Work In Restricted Working Space, Add	*440.85*	
27 15 13 00-0042	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,518.48	986.20
		For Work In Restricted Working Space, Add	*493.10*	
27 15 13 00-0043	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,332.55	1,299.48
		For Work In Restricted Working Space, Add	*649.84*	
27 15 13 00-0044	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,949.35	1,919.84
		For Work In Restricted Working Space, Add	*959.92*	

27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0046	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,197.97	637.89
		For Work In Restricted Working Space, Add	*318.74*	
27 15 13 00-0047	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,351.38	660.55
		For Work In Restricted Working Space, Add	*330.17*	
27 15 13 00-0048	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,487.11	683.75
		For Work In Restricted Working Space, Add	*341.62*	
27 15 13 00-0049	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,629.52	706.93
		For Work In Restricted Working Space, Add	*353.36*	
27 15 13 00-0050	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,807.93	754.34
		For Work In Restricted Working Space, Add	*377.01*	
27 15 13 00-0051	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,973.95	801.74
		For Work In Restricted Working Space, Add	*400.66*	
27 15 13 00-0052	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,176.30	896.55
		For Work In Restricted Working Space, Add	*448.27*	
27 15 13 00-0053	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,865.67	1,182.00
		For Work In Restricted Working Space, Add	*590.79*	
27 15 13 00-0054	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,253.68	1,745.68
		For Work In Restricted Working Space, Add	*872.74*	
27 15 13 00-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,474.46	1,786.91
		For Work In Restricted Working Space, Add	*893.45*	
27 15 13 00-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,301.16	2,080.60
		For Work In Restricted Working Space, Add	*1,040.30*	
27 15 13 00-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,684.47	2,226.94
		For Work In Restricted Working Space, Add	*1,113.57*	
27 15 13 00-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,872.21	2,783.41
		For Work In Restricted Working Space, Add	*1,391.49*	
27 15 13 00-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,267.95	3,664.49
		For Work In Restricted Working Space, Add	*1,832.03*	

27 15 13 00-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,027.20	574.00
		For Work In Restricted Working Space, Add	*286.89*	
27 15 13 00-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,087.33	594.60
		For Work In Restricted Working Space, Add	*297.10*	
27 15 13 00-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,158.44	615.22
		For Work In Restricted Working Space, Add	*307.61*	
27 15 13 00-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,234.50	635.83
		For Work In Restricted Working Space, Add	*318.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,354.86	679.10
		For Work In Restricted Working Space, Add	*339.45*	
27 15 13 00-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,475.04	719.29
		For Work In Restricted Working Space, Add	*359.85*	

27 15 13 00-0067 Triad *(27 15 13 00-0002)*

27 15 13 00-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	2,955.10	854.29
27 15 13 00-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	3,811.54	1,182.00
27 15 13 00-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	6,011.84	1,745.68
27 15 13 00-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,540.00	2,080.60
27 15 13 00-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	12,450.13	3,223.44
27 15 13 00-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,348.38	3,664.49

27 15 13 00-0074 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*

27 15 13 00-0075 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0076	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,697.78	2,040.41
		For #10 AWG, Add	*778.14*	
		For Work In Restricted Working Space, Add	*1,020.29*	
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,069.66	2,112.55
		For #10 AWG, Add	*885.13*	
		For Work In Restricted Working Space, Add	*1,056.59*	
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,406.61	2,186.75
		For #10 AWG, Add	*980.52*	
		For Work In Restricted Working Space, Add	*1,093.06*	
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,761.38	2,260.94
		For #10 AWG, Add	*1,081.24*	
		For Work In Restricted Working Space, Add	*1,130.81*	
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,230.96	2,413.46
		For #10 AWG, Add	*1,203.15*	
		For Work In Restricted Working Space, Add	*1,207.08*	
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,672.62	2,563.91
		For #10 AWG, Add	*1,316.31*	
		For Work In Restricted Working Space, Add	*1,282.29*	
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,253.17	2,868.94
		For #10 AWG, Add	*1,442.06*	
		For Work In Restricted Working Space, Add	*1,434.20*	
27 15 13 00-0083	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,265.42	3,781.97
		For #10 AWG, Add	*1,908.32*	
		For Work In Restricted Working Space, Add	*1,890.62*	
27 15 13 00-0084	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	12,251.57	5,585.36
		For #10 AWG, Add	*2,833.17*	
		For Work In Restricted Working Space, Add	*2,791.96*	

27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0086	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,257.65	1,784.84
		For Work In Restricted Working Space, Add	*892.22*	
27 15 13 00-0087	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,604.55	1,848.74
		For Work In Restricted Working Space, Add	*924.37*	
27 15 13 00-0088	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,917.50	1,912.63
		For Work In Restricted Working Space, Add	*956.52*	
27 15 13 00-0089	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,245.45	1,978.58
		For Work In Restricted Working Space, Add	*989.29*	
27 15 13 00-0090	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,673.82	2,112.55
		For Work In Restricted Working Space, Add	*1,056.07*	
27 15 13 00-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,074.74	2,244.45
		For Work In Restricted Working Space, Add	*1,121.61*	
27 15 13 00-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,590.81	2,510.32
		For Work In Restricted Working Space, Add	*1,255.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,389.13	3,307.94
		For Work In Restricted Working Space, Add	*1,653.96*	
27 15 13 00-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,959.04	4,886.68
		For Work In Restricted Working Space, Add	*2,443.55*	

27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,906.39	1,593.17
		For Work In Restricted Working Space, Add	*797.00*	
27 15 13 00-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,152.19	1,650.88
		For Work In Restricted Working Space, Add	*825.44*	
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,488.31	1,708.58
		For Work In Restricted Working Space, Add	*853.88*	
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,779.85	1,766.29
		For Work In Restricted Working Space, Add	*883.56*	
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,158.91	1,885.84
		For Work In Restricted Working Space, Add	*942.92*	
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,515.38	2,003.32
		For Work In Restricted Working Space, Add	*1,001.66*	
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,744.45	2,122.85
		For Work In Restricted Working Space, Add	*1,061.01*	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,975.58	2,242.39
		For Work In Restricted Working Space, Add	*1,120.99*	
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,419.08	2,384.60
		For Work In Restricted Working Space, Add	*1,192.09*	
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,574.68	2,953.44
		For Work In Restricted Working Space, Add	*1,476.82*	
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,750.21	4,363.18
		For Work In Restricted Working Space, Add	*2,181.69*	

27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,513.53	1,403.55
		For Work In Restricted Working Space, Add	*701.16*	
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,747.09	1,453.02
		For Work In Restricted Working Space, Add	*726.51*	
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,959.54	1,502.48
		For Work In Restricted Working Space, Add	*751.86*	
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,180.04	1,554.01
		For Work In Restricted Working Space, Add	*777.21*	
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,483.17	1,659.12
		For Work In Restricted Working Space, Add	*829.77*	
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,769.75	1,762.17
		For Work In Restricted Working Space, Add	*881.70*	
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,162.14	1,972.39
		For Work In Restricted Working Space, Add	*986.20*	
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,498.68	2,598.94
		For Work In Restricted Working Space, Add	*1,299.68*	
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,149.07	3,839.68
		For Work In Restricted Working Space, Add	*1,919.83*	

27 15 13 00-0117 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,260.42	1,275.77
		For Work In Restricted Working Space, Add	*637.47*	
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,451.97	1,321.12
		For Work In Restricted Working Space, Add	*660.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,625.82	1,367.49
		For Work In Restricted Working Space, Add	*683.23*	
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,807.40	1,413.86
		For Work In Restricted Working Space, Add	*706.73*	
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,064.64	1,508.67
		For Work In Restricted Working Space, Add	*754.03*	
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,309.49	1,603.48
		For Work In Restricted Working Space, Add	*801.32*	
27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,670.54	1,793.08
		For Work In Restricted Working Space, Add	*896.54*	
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,834.98	2,363.99
		For Work In Restricted Working Space, Add	*1,181.58*	
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,162.80	3,491.37
		For Work In Restricted Working Space, Add	*1,745.47*	
27 15 13 00-0127	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,452.61	3,573.81
		For Work In Restricted Working Space, Add	*1,786.90*	
27 15 13 00-0128	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,768.85	4,161.20
		For Work In Restricted Working Space, Add	*2,080.61*	
27 15 13 00-0129	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,396.36	4,453.86
		For Work In Restricted Working Space, Add	*2,227.13*	
27 15 13 00-0130	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,510.52	5,566.81
		For Work In Restricted Working Space, Add	*2,782.99*	
27 15 13 00-0131	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	15,374.71	7,328.99
		For Work In Restricted Working Space, Add	*3,664.06*	
27 15 13 00-0132		**#22 AWG, Shielded, Low Voltage Cable, Installed Exposed** *(27 15 13 00-0074)*		
27 15 13 00-0133	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,983.52	1,147.99
		For Work In Restricted Working Space, Add	*573.79*	
27 15 13 00-0134	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,077.66	1,189.21
		For Work In Restricted Working Space, Add	*594.20*	
27 15 13 00-0135	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,183.80	1,230.43
		For Work In Restricted Working Space, Add	*615.22*	
27 15 13 00-0136	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,294.90	1,271.65
		For Work In Restricted Working Space, Add	*636.24*	
27 15 13 00-0137	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,486.36	1,358.22
		For Work In Restricted Working Space, Add	*678.90*	
27 15 13 00-0138	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,674.56	1,438.60
		For Work In Restricted Working Space, Add	*719.71*	
27 15 13 00-0139		**Triad, Installed Exposed** *(27 15 13 00-0074)*		
27 15 13 00-0140	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,955.10	854.29
27 15 13 00-0141	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,811.54	1,182.00
27 15 13 00-0142	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	6,011.84	1,745.68
27 15 13 00-0143	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,540.00	2,080.60
27 15 13 00-0144	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	12,450.13	3,223.44
27 15 13 00-0145	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	14,348.38	3,664.49
27 15 13 00-0146		**Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0001)*		
27 15 13 00-0147		**#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0146)*		
27 15 13 00-0148	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,701.16	892.43
		For Work In Restricted Working Space, Add	*446.11*	
27 15 13 00-0149	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,935.75	924.37
		For Work In Restricted Working Space, Add	*462.18*	
27 15 13 00-0150	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,144.72	956.31
		For Work In Restricted Working Space, Add	*478.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0151	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,364.48	989.29
		For Work In Restricted Working Space, Add	*494.65*	
27 15 13 00-0152	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,629.08	1,055.24
		For Work In Restricted Working Space, Add	*527.42*	
27 15 13 00-0153	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,877.12	1,121.20
		For Work In Restricted Working Space, Add	*560.50*	
27 15 13 00-0154	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,154.25	1,255.17
		For Work In Restricted Working Space, Add	*627.58*	
27 15 13 00-0155	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,173.04	1,653.97
		For Work In Restricted Working Space, Add	*826.98*	
27 15 13 00-0156	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,197.22	2,443.34
		For Work In Restricted Working Space, Add	*1,221.77*	

27 15 13 00-0157 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0158	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,516.88	796.58
		For Work In Restricted Working Space, Add	*398.50*	
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,723.69	825.44
		For Work In Restricted Working Space, Add	*412.72*	
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,907.91	854.29
		For Work In Restricted Working Space, Add	*426.94*	
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,102.81	883.15
		For Work In Restricted Working Space, Add	*441.78*	
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,337.53	941.89
		For Work In Restricted Working Space, Add	*471.15*	
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,557.78	1,001.65
		For Work In Restricted Working Space, Add	*500.83*	
27 15 13 00-0164	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,680.28	1,061.43
		For Work In Restricted Working Space, Add	*530.51*	
27 15 13 00-0165	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,864.26	1,121.20
		For Work In Restricted Working Space, Add	*560.49*	
27 15 13 00-0166	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,148.66	1,192.30
		For Work In Restricted Working Space, Add	*596.02*	
27 15 13 00-0167	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,708.69	1,476.72
		For Work In Restricted Working Space, Add	*738.41*	
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,507.62	2,181.59
		For Work In Restricted Working Space, Add	*1,091.00*	

27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,325.97	700.74
		For Work In Restricted Working Space, Add	*350.58*	
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,493.03	726.51
		For Work In Restricted Working Space, Add	*363.25*	
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,600.40	752.27
		For Work In Restricted Working Space, Add	*375.93*	
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,740.35	777.00
		For Work In Restricted Working Space, Add	*388.61*	
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,914.75	829.56
		For Work In Restricted Working Space, Add	*414.88*	
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,088.15	882.12
		For Work In Restricted Working Space, Add	*440.85*	
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,490.23	986.20
		For Work In Restricted Working Space, Add	*493.10*	
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,239.97	1,299.48
		For Work In Restricted Working Space, Add	*649.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,372.58	1,919.84
		For Work In Restricted Working Space, Add	*959.92*	

27 15 13 00-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,173.55	637.89
		For Work In Restricted Working Space, Add	*318.74*	
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,289.95	660.55
		For Work In Restricted Working Space, Add	*330.17*	
27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,516.15	752.27
		For Work In Restricted Working Space, Add	*375.93*	
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,659.05	790.82
		For Work In Restricted Working Space, Add	*395.41*	
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,799.14	829.56
		For Work In Restricted Working Space, Add	*414.88*	
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,951.54	882.12
		For Work In Restricted Working Space, Add	*440.85*	
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,151.44	981.67
		For Work In Restricted Working Space, Add	*490.94*	
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,646.11	1,182.00
		For Work In Restricted Working Space, Add	*590.79*	
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,924.34	1,745.68
		For Work In Restricted Working Space, Add	*872.74*	
27 15 13 00-0189	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,107.96	1,786.91
		For Work In Restricted Working Space, Add	*893.45*	
27 15 13 00-0190	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,852.06	2,080.60
		For Work In Restricted Working Space, Add	*1,040.30*	
27 15 13 00-0191	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,201.30	2,226.94
		For Work In Restricted Working Space, Add	*1,113.57*	
27 15 13 00-0192	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,325.04	2,783.41
		For Work In Restricted Working Space, Add	*1,391.49*	
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,493.65	3,664.49
		For Work In Restricted Working Space, Add	*1,832.03*	

27 15 13 00-0194 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*

27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,029.96	574.00
		For Work In Restricted Working Space, Add	*286.89*	
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,091.10	594.60
		For Work In Restricted Working Space, Add	*297.10*	
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,168.66	615.22
		For Work In Restricted Working Space, Add	*307.61*	
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,252.50	635.83
		For Work In Restricted Working Space, Add	*318.12*	
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,369.28	679.10
		For Work In Restricted Working Space, Add	*339.45*	
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,492.83	719.29
		For Work In Restricted Working Space, Add	*359.85*	

27 15 13 00-0201 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*

27 15 13 00-0202 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,188.19	1,784.84
		For Work In Restricted Working Space, Add	*892.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,476.37	1,848.74
		For Work In Restricted Working Space, Add	*924.37*	
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,738.92	1,912.63
		For Work In Restricted Working Space, Add	*956.52*	
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,013.29	1,978.58
		For Work In Restricted Working Space, Add	*989.29*	
27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,387.14	2,110.49
		For Work In Restricted Working Space, Add	*1,054.83*	
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,745.43	2,242.39
		For Work In Restricted Working Space, Add	*1,120.99*	
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,246.19	2,510.32
		For Work In Restricted Working Space, Add	*1,255.16*	
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,929.64	3,307.94
		For Work In Restricted Working Space, Add	*1,653.96*	
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,269.81	4,886.68
		For Work In Restricted Working Space, Add	*2,443.55*	

27 15 13 00-0212 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,845.22	1,593.17
		For Work In Restricted Working Space, Add	*797.00*	
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,099.42	1,650.88
		For Work In Restricted Working Space, Add	*825.44*	
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,331.05	1,708.58
		For Work In Restricted Working Space, Add	*853.88*	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,575.41	1,766.29
		For Work In Restricted Working Space, Add	*883.56*	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,908.02	1,883.77
		For Work In Restricted Working Space, Add	*942.30*	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,227.20	2,003.32
		For Work In Restricted Working Space, Add	*1,001.66*	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,448.63	2,122.85
		For Work In Restricted Working Space, Add	*1,061.01*	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,732.58	2,242.39
		For Work In Restricted Working Space, Add	*1,120.99*	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,135.38	2,384.60
		For Work In Restricted Working Space, Add	*1,192.03*	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,170.05	2,953.44
		For Work In Restricted Working Space, Add	*1,476.82*	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,144.28	4,363.18
		For Work In Restricted Working Space, Add	*2,182.00*	

27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,494.57	1,401.49
		For Work In Restricted Working Space, Add	*701.16*	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,703.89	1,453.02
		For Work In Restricted Working Space, Add	*726.51*	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,853.50	1,504.55
		For Work In Restricted Working Space, Add	*751.86*	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,035.69	1,554.01
		For Work In Restricted Working Space, Add	*777.21*	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,297.70	1,659.12
		For Work In Restricted Working Space, Add	*829.77*	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,557.65	1,764.23
		For Work In Restricted Working Space, Add	*881.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,133.89	1,972.39
		For Work In Restricted Working Space, Add	*986.20*	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,406.10	2,598.94
		For Work In Restricted Working Space, Add	*1,299.68*	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,572.30	3,839.68
		For Work In Restricted Working Space, Add	*1,919.83*	

27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,236.00	1,275.77
		For Work In Restricted Working Space, Add	*637.47*	
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,390.54	1,321.12
		For Work In Restricted Working Space, Add	*660.35*	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,769.25	1,504.55
		For Work In Restricted Working Space, Add	*751.86*	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,977.06	1,581.63
		For Work In Restricted Working Space, Add	*790.81*	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,182.09	1,659.12
		For Work In Restricted Working Space, Add	*829.77*	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,421.04	1,764.23
		For Work In Restricted Working Space, Add	*881.70*	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,787.89	1,963.33
		For Work In Restricted Working Space, Add	*981.87*	
27 15 13 00-0242	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,615.42	2,363.99
		For Work In Restricted Working Space, Add	*1,181.58*	
27 15 13 00-0243	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,833.46	3,491.37
		For Work In Restricted Working Space, Add	*1,745.47*	
27 15 13 00-0244	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,086.11	3,573.81
		For Work In Restricted Working Space, Add	*1,786.90*	
27 15 13 00-0245	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,319.75	4,161.20
		For Work In Restricted Working Space, Add	*2,080.61*	
27 15 13 00-0246	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,913.19	4,453.86
		For Work In Restricted Working Space, Add	*2,227.13*	
27 15 13 00-0247	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,963.35	5,566.81
		For Work In Restricted Working Space, Add	*2,782.99*	
27 15 13 00-0248	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,600.41	7,328.99
		For Work In Restricted Working Space, Add	*3,664.06*	

27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0250	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,986.28	1,147.99
		For Work In Restricted Working Space, Add	*573.79*	
27 15 13 00-0251	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,081.43	1,189.21
		For Work In Restricted Working Space, Add	*594.20*	
27 15 13 00-0252	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,194.02	1,230.43
		For Work In Restricted Working Space, Add	*615.22*	
27 15 13 00-0253	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,312.90	1,271.65
		For Work In Restricted Working Space, Add	*636.24*	
27 15 13 00-0254	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,500.78	1,358.22
		For Work In Restricted Working Space, Add	*678.90*	
27 15 13 00-0255	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,692.35	1,438.60
		For Work In Restricted Working Space, Add	*719.71*	

27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0001)*

Note: Excludes excavation.

27 15 13 00-0257	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,691.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0258	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,980.32	
27 15 13 00-0259	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,236.79	
27 15 13 00-0260	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,507.74	
27 15 13 00-0261	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,818.55	
27 15 13 00-0262	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	3,104.98	
27 15 13 00-0263		**Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)** *(27 15 13 00-0001)*		
27 15 13 00-0264	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,796.24	568.10
27 15 13 00-0265	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,144.01	608.62
27 15 13 00-0266	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,777.83	769.42
27 15 13 00-0267	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,317.51	889.93
27 15 13 00-0268	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,502.43	1,014.34
27 15 13 00-0269	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,486.13	1,295.89
27 15 13 00-0270		**Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0001)*		
27 15 13 00-0271	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,530.92	796.58
27 15 13 00-0272	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,853.70	825.44
27 15 13 00-0273	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,080.82	854.29
27 15 13 00-0274	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,201.99	883.15
27 15 13 00-0275	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,646.97	941.89
27 15 13 00-0276	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,864.36	1,001.65
27 15 13 00-0277	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,589.02	1,121.20
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,455.93	1,476.72
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,767.39	2,181.59
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,322.23	700.74
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,587.21	726.51
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,806.32	752.27
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,914.53	777.00
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,294.59	829.56
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,578.33	882.12
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,912.61	986.20
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,762.63	1,299.48
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,016.06	1,919.84
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,167.61	637.89
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,335.74	660.55
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,498.68	683.22
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,601.35	706.93
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,744.23	754.34
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,905.16	801.74
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,133.77	896.55
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,944.37	1,182.00
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,475.42	1,745.68
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,721.11	1,786.91
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,573.67	2,080.60
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,009.80	2,226.94
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,240.64	2,783.41
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,789.31	3,664.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	18,930.76	6,749.84
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,610.32	8,932.47
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	38,324.92	11,256.27
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	53,982.45	15,440.14
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,129.73	637.89
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,251.01	660.55
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,368.98	683.22
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,448.76	706.93
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,568.75	754.34
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,699.91	801.74
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,903.33	896.55
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,593.03	1,182.00
27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,911.05	1,745.68
27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,093.09	1,786.91
27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,833.94	2,080.60
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,181.81	2,226.94
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,302.95	2,783.41
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,462.41	3,664.49
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	16,122.69	6,749.84
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	23,652.62	8,932.47
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	31,258.26	11,256.27
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	43,780.44	15,440.14

27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,545.98	796.58
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,766.02	825.44
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,903.48	854.29
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,087.02	883.15
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,307.07	941.89
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,525.06	1,001.65
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,039.17	1,121.20
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,947.98	1,476.72
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,888.31	2,181.59
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,353.61	700.74
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,542.58	726.51
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,661.40	752.27
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,818.50	777.00
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,008.16	829.56
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,196.80	882.12
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,638.90	986.20
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,429.31	1,299.48
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,113.63	1,919.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,193.06	637.89
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,355.77	660.55
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,470.46	683.22
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,676.82	706.93
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,860.66	754.34
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,209.78	801.74
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,469.96	896.55
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,125.15	1,182.00
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,710.44	1,745.68
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,981.58	1,786.91
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,922.75	2,080.60
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,353.21	2,226.94
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,629.53	2,783.41
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,339.64	3,664.49
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,096.12	6,749.84
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,667.43	8,932.47
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	41,256.73	11,256.27
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	58,214.97	15,439.10
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,146.00	637.89
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,263.82	660.55
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,350.94	683.22
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,497.04	706.93
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,643.23	754.34
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,894.78	801.74
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,118.39	896.55
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,708.67	1,182.00
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,061.39	1,745.68
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,259.71	1,786.91
27 15 13 00-0372	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,038.12	2,080.60
27 15 13 00-0373	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,401.48	2,226.94
27 15 13 00-0374	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,551.72	2,783.41
27 15 13 00-0375	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,814.45	3,664.49
27 15 13 00-0376	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	16,868.09	6,749.84
27 15 13 00-0377	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	24,968.60	8,932.47
27 15 13 00-0378	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	33,134.22	11,256.27
27 15 13 00-0379	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	46,488.87	15,440.14

27 15 13 00-0380 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0381 Indoor Telecommunications Cable *(27 15 13 00-0380)*
Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0382 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0381)*
Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0382)*

27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0385		**24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit** *(27 15 13 00-0384)*		
27 15 13 00-0386	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	903.24	473.77
27 15 13 00-0387	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	951.74	473.77
27 15 13 00-0388	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	968.88	473.77
27 15 13 00-0389	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,178.16	541.44
27 15 13 00-0390	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,535.15	541.44
27 15 13 00-0391	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,101.98	541.44
27 15 13 00-0392	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,399.29	676.80
27 15 13 00-0393	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,183.96	1,082.88
27 15 13 00-0394	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,436.99	1,218.24
27 15 13 00-0395	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	11,277.94	1,353.61
27 15 13 00-0396	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,517.31	1,895.04
27 15 13 00-0397	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	21,685.76	2,341.73
27 15 13 00-0398	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,482.11	3,248.65
27 15 13 00-0399	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	55,694.12	6,497.28
27 15 13 00-0400	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	75,484.32	9,745.93
27 15 13 00-0401		**24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed** *(27 15 13 00-0384)*		
27 15 13 00-0402	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,692.83	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0403	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,741.33	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0404	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,758.47	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0405	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,854.96	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0406	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,211.95	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0407	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,004.39	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0408	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,527.29	1,353.61
		For Work In Restricted Working Space, Add	*676.80*	
27 15 13 00-0409	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,086.35	1,624.32
		For Work In Restricted Working Space, Add	*812.16*	
27 15 13 00-0410	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,452.19	1,827.36
		For Work In Restricted Working Space, Add	*913.68*	
27 15 13 00-0411	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,405.95	2,030.40
		For Work In Restricted Working Space, Add	*1,015.20*	
27 15 13 00-0412	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,096.51	2,842.56
		For Work In Restricted Working Space, Add	*1,421.28*	
27 15 13 00-0413	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	23,648.48	3,519.36
		For Work In Restricted Working Space, Add	*1,759.68*	
27 15 13 00-0414	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	37,189.31	4,872.96
		For Work In Restricted Working Space, Add	*2,436.48*	
27 15 13 00-0415	MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	61,108.53	9,745.93
		For Work In Restricted Working Space, Add	*4,872.97*	
27 15 13 00-0416	MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	83,605.93	14,618.90
		For Work In Restricted Working Space, Add	*7,309.45*	
27 15 13 00-0417		**22 AWG, Category 3, Indoor Telecommunications Riser Cable** *(27 15 13 00-0383)*		
27 15 13 00-0418		**22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit** *(27 15 13 00-0417)*		
27 15 13 00-0419	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,513.82	541.44
27 15 13 00-0420	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,273.29	676.80
27 15 13 00-0421	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,677.28	1,082.88
27 15 13 00-0422	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,362.62	1,353.61
27 15 13 00-0423	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	25,566.14	1,895.04
27 15 13 00-0424	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,340.45	2,341.73
27 15 13 00-0425	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	49,500.91	3,248.65
27 15 13 00-0426		**22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed** *(27 15 13 00-0417)*		
27 15 13 00-0427	MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,416.23	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0428	MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,401.29	1,353.61
		For Work In Restricted Working Space, Add	*676.80*	
27 15 13 00-0429	MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,579.67	1,624.32
		For Work In Restricted Working Space, Add	*812.16*	
27 15 13 00-0430	MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	18,490.63	2,030.40
		For Work In Restricted Working Space, Add	*1,015.20*	
27 15 13 00-0431	MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	27,145.34	2,842.56
		For Work In Restricted Working Space, Add	*1,421.28*	
27 15 13 00-0432	MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	35,303.17	3,519.36
		For Work In Restricted Working Space, Add	*1,759.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0433	MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	52,208.11	4,872.96
		For Work In Restricted Working Space, Add	*2,436.48*	
27 15 13 00-0434		**Category 3, Indoor Telecommunications Plenum Cable** *(27 15 13 00-0382)*		
27 15 13 00-0435		**24 AWG, Category 3, Indoor Telecommunications Plenum Cable** *(27 15 13 00-0434)*		
27 15 13 00-0436		**24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit** *(27 15 13 00-0435)*		
27 15 13 00-0437	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	942.46	473.77
27 15 13 00-0438	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	990.76	473.77
27 15 13 00-0439	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,026.89	473.77
27 15 13 00-0440	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,243.30	541.44
27 15 13 00-0441	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,632.44	541.44
27 15 13 00-0442	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,687.27	541.44
27 15 13 00-0443	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,590.89	676.80
27 15 13 00-0444	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,680.67	1,082.88
27 15 13 00-0445	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,190.44	1,353.61
27 15 13 00-0446	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,805.27	1,895.04
27 15 13 00-0447		**24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed** *(27 15 13 00-0435)*		
27 15 13 00-0448	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,732.05	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0449	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,780.35	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0450	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,816.48	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0451	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,920.10	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0452	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,309.24	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0453	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,589.68	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0454	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	5,718.89	1,353.61
		For Work In Restricted Working Space, Add	*676.80*	
27 15 13 00-0455	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,583.06	1,624.32
		For Work In Restricted Working Space, Add	*812.16*	
27 15 13 00-0456	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,318.45	2,030.40
		For Work In Restricted Working Space, Add	*1,015.20*	
27 15 13 00-0457	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	24,384.47	2,842.56
		For Work In Restricted Working Space, Add	*1,421.28*	
27 15 13 00-0458		**Category 5E, Indoor Telecommunications Cable** *(27 15 13 00-0381)*		
27 15 13 00-0459		**Category 5E, Indoor Telecommunications Riser Cable** *(27 15 13 00-0458)*		
27 15 13 00-0460		**Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit** *(27 15 13 00-0459)*		
27 15 13 00-0461	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	976.60	473.77
27 15 13 00-0462	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,020.40	473.77
27 15 13 00-0463	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,134.03	541.44
27 15 13 00-0464	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,177.81	541.44
27 15 13 00-0465		**Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed** *(27 15 13 00-0459)*		
27 15 13 00-0466	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,766.19	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0467	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,809.99	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0468	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,036.44	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0469	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	2,080.22	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0470		**Category 5E, Indoor Telecommunications Plenum Cable** *(27 15 13 00-0458)*		
27 15 13 00-0471		**Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit** *(27 15 13 00-0470)*		
27 15 13 00-0472	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,137.66	473.77
27 15 13 00-0473	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,592.68	541.44
27 15 13 00-0474		**Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed** *(27 15 13 00-0470)*		
27 15 13 00-0475	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,927.25	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0476	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,495.09	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0477		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0478		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0477)*		
27 15 13 00-0479		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0478)*		
27 15 13 00-0480	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,123.80	473.77
27 15 13 00-0481	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,161.17	473.77
27 15 13 00-0482		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0478)*		
27 15 13 00-0483	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,913.39	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0484	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,950.76	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0485		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0477)*		
27 15 13 00-0486		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0485)*		
27 15 13 00-0487	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,413.83	473.77
27 15 13 00-0488		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0485)*		
27 15 13 00-0489	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	2,203.42	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0490		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0491		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0490)*		
27 15 13 00-0492		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0491)*		
27 15 13 00-0493	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,183.51	473.77
27 15 13 00-0494		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0491)*		
27 15 13 00-0495	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	1,973.10	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0496		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0490)*		
27 15 13 00-0497		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0496)*		
27 15 13 00-0498	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,576.07	473.77
27 15 13 00-0499		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0496)*		
27 15 13 00-0500	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,365.66	947.52
		For Work In Restricted Working Space, Add	*473.76*	
27 15 13 00-0501		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0502		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0501)*		
27 15 13 00-0503	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,420.89	541.44
27 15 13 00-0504	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,305.48	541.44
27 15 13 00-0505		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0501)*		
27 15 13 00-0506	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	3,323.30	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0507	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	5,207.89	1,082.88
		For Work In Restricted Working Space, Add	*541.44*	
27 15 13 00-0508		Outdoor Telecommunications Cable *(27 15 13 00-0380)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0511		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0510)*		
27 15 13 00-0512	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,914.38	541.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0513	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,342.42	947.52
27 15 13 00-0514	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,377.29	609.12
27 15 13 00-0515	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,246.70	676.80
27 15 13 00-0516	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,443.86	947.52
27 15 13 00-0517	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,419.49	1,082.88
27 15 13 00-0518	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,479.76	1,218.24
27 15 13 00-0519	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,240.71	1,759.68
27 15 13 00-0520	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	32,134.66	2,301.13
27 15 13 00-0521	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	43,647.69	3,113.28
27 15 13 00-0522	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	68,305.57	6,226.57
27 15 13 00-0523	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	93,030.52	9,204.49
27 15 13 00-0524		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0510)*		
27 15 13 00-0525	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,745.18	
27 15 13 00-0526	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,173.22	
27 15 13 00-0527	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,151.70	
27 15 13 00-0528	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,021.10	
27 15 13 00-0529	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,105.46	
27 15 13 00-0530	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,855.48	
27 15 13 00-0531	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,254.17	
27 15 13 00-0532	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,563.90	
27 15 13 00-0533	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,724.66	
27 15 13 00-0534	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	41,166.09	
27 15 13 00-0535	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	61,537.56	
27 15 13 00-0536	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	83,104.11	
27 15 13 00-0537		22 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0538		22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0537)*		
27 15 13 00-0539	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,186.50	541.44
27 15 13 00-0540	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,850.81	541.44
27 15 13 00-0541	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,417.94	609.12
27 15 13 00-0542	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,098.93	676.80
27 15 13 00-0543	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,338.38	947.52
27 15 13 00-0544	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,354.53	1,082.88
27 15 13 00-0545	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	24,071.00	1,218.24
27 15 13 00-0546	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	35,067.34	1,759.68
27 15 13 00-0547	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	46,729.89	2,301.13
27 15 13 00-0548	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	69,135.55	3,113.28
27 15 13 00-0549	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	100,494.63	6,226.57
27 15 13 00-0550	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	141,188.32	9,204.49
27 15 13 00-0551		22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0537)*		
27 15 13 00-0552	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,017.30	
27 15 13 00-0553	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,681.61	
27 15 13 00-0554	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,192.35	
27 15 13 00-0555	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,873.33	
27 15 13 00-0556	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,999.98	
27 15 13 00-0557	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,016.12	
27 15 13 00-0558	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,845.41	
27 15 13 00-0559	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,390.53	
27 15 13 00-0560	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,319.89	
27 15 13 00-0561	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	66,653.95	
27 15 13 00-0562	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	93,726.62	
27 15 13 00-0563	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	131,261.91	
27 15 13 00-0564		19 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0565		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0564)*		
27 15 13 00-0566	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,626.04	609.12
27 15 13 00-0567	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,369.73	676.80
27 15 13 00-0568	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,492.98	947.52
27 15 13 00-0569	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,775.17	1,082.88
27 15 13 00-0570		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0564)*		
27 15 13 00-0571	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,400.45	
27 15 13 00-0572	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,144.13	
27 15 13 00-0573	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,154.58	
27 15 13 00-0574	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,436.76	
27 15 13 00-0575		PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0508)*		

Note: Includes solid polyolefin insulated conductors.

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CSI		MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0576			24 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0577			24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0576)*		
27 15 13 00-0578		MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,629.44	947.52
27 15 13 00-0579		MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,153.10	947.52
27 15 13 00-0580		MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,209.56	947.52
27 15 13 00-0581		MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,112.04	947.52
27 15 13 00-0582		MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,970.55	947.52
27 15 13 00-0583		MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,255.98	1,218.24
27 15 13 00-0584		MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,663.55	1,759.68
27 15 13 00-0585		MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	35,086.87	2,301.13
27 15 13 00-0586		MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	47,958.15	3,113.28
27 15 13 00-0587		MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	73,880.05	6,226.57
27 15 13 00-0588		MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	107,488.48	9,204.49
27 15 13 00-0589			24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0576)*		
27 15 13 00-0590		MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,291.04	
27 15 13 00-0591		MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,814.70	
27 15 13 00-0592		MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,871.16	
27 15 13 00-0593		MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,773.64	
27 15 13 00-0594		MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,632.15	
27 15 13 00-0595		MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	18,030.39	
27 15 13 00-0596		MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	25,986.74	
27 15 13 00-0597		MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,676.87	
27 15 13 00-0598		MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,476.55	
27 15 13 00-0599		MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	67,112.04	
27 15 13 00-0600		MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	97,562.07	
27 15 13 00-0601			22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0602			22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0601)*		
27 15 13 00-0603		MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,932.19	947.52
27 15 13 00-0604		MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,701.68	947.52
27 15 13 00-0605		MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,339.21	947.52
27 15 13 00-0606		MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,351.67	947.52
27 15 13 00-0607		MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,638.28	947.52
27 15 13 00-0608		MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,238.92	1,218.24
27 15 13 00-0609		MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,923.48	1,759.68
27 15 13 00-0610		MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	51,124.50	2,301.13
27 15 13 00-0611		MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	71,456.96	3,113.28
27 15 13 00-0612		MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	111,930.07	6,226.57
27 15 13 00-0613			22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0601)*		
27 15 13 00-0614		MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,593.79	
27 15 13 00-0615		MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,363.28	
27 15 13 00-0616		MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,000.81	
27 15 13 00-0617		MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,013.27	
27 15 13 00-0618		MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,299.88	
27 15 13 00-0619		MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,013.33	
27 15 13 00-0620		MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,246.67	
27 15 13 00-0621		MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	49,714.50	
27 15 13 00-0622		MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	68,975.36	
27 15 13 00-0623		MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	105,162.06	
27 15 13 00-0624			19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0625			19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0624)*		
27 15 13 00-0626		MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,966.70	947.52
27 15 13 00-0627		MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	15,076.37	947.52
27 15 13 00-0628		MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,745.67	947.52
27 15 13 00-0629			19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0624)*		
27 15 13 00-0630		MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,628.30	
27 15 13 00-0631		MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,737.97	
27 15 13 00-0632		MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,407.27	
27 15 13 00-0633			(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0508)*		
			Note: Includes support wire.		
27 15 13 00-0634			24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0635		MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,721.41	1,947.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0636	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,157.12	1,947.61
27 15 13 00-0637	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,238.90	1,947.61
27 15 13 00-0638	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,241.80	1,947.61
27 15 13 00-0639	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	15,110.37	1,947.61
27 15 13 00-0640	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	23,244.14	2,142.36
27 15 13 00-0641	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,425.76	2,337.12
27 15 13 00-0642		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0643	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,242.69	1,947.61
27 15 13 00-0644	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,886.43	1,947.61
27 15 13 00-0645	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,436.93	1,947.61
27 15 13 00-0646	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,500.08	1,947.61
27 15 13 00-0647	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	20,232.64	1,947.61
27 15 13 00-0648	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	32,460.24	2,142.36
27 15 13 00-0649		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0650	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,931.87	1,947.61
27 15 13 00-0651	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,387.65	1,947.61
27 15 13 00-0652	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	13,249.95	1,947.61
27 15 13 00-0653	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,974.60	1,947.61
27 15 13 00-0654	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	30,468.59	1,947.61
27 15 13 00-0655		Sound System Cables *(27 15 13)*		
		Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,752.45	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,647.98	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,567.40	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,655.52	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,938.74	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,221.03	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,939.93	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,803.94	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,795.61	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,675.43	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,607.41	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,720.92	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,960.71	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,934.26	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,768.03	721.36
		For Work In Restricted Working Space, Add	*432.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,050.59	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,332.37	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,641.52	721.36
		For Work In Restricted Working Space, Add	*432.82*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,697.66	721.36
		For Work In Restricted Working Space, Add	*432.82*	

27 15 13 00-0678 Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*

27 15 13 00-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,031.09	360.67
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	926.62	360.67
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	846.04	360.67
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	934.16	360.67
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,217.38	360.67
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,499.67	360.67
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,218.57	360.67
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,082.58	360.67

27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,074.25	360.67
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	954.07	360.67
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	886.05	360.67
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	999.56	360.67
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,239.35	360.67
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,212.90	360.67
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,046.67	360.67
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,329.23	360.67
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,611.01	360.67
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	976.30	360.67
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	920.16	360.67

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable *(27 15 23)*

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	989.53	406.08
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,083.78	406.08
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,115.25	406.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,227.32	406.08
		For Aluminum Armored Cable, Add	*842.23*	
		For Steel Armored Cable, Add	*1,644.81*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,259.45	406.08
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,453.68	406.08
		For Aluminum Armored Cable, Add	*888.79*	
		For Steel Armored Cable, Add	*1,727.08*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,506.57	473.77
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,544.08	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*1,780.56*	
		For Steel Armored Cable, Add	*2,342.85*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,332.59	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*1,877.04*	
		For Steel Armored Cable, Add	*2,144.16*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,485.53	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*1,969.39*	
		For Steel Armored Cable, Add	*2,245.50*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,449.93	473.77
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,706.39	473.77
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,055.41	473.77
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,487.20	541.44
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,326.80	541.44

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,016.67	406.08
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,112.77	406.08
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,371.62	406.08
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,644.10	406.08
		For Aluminum Armored Cable, Add	*958.14*	
		For Steel Armored Cable, Add	*1,252.82*	
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,902.96	406.08
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,434.30	406.08
		For Aluminum Armored Cable, Add	*965.11*	
		For Steel Armored Cable, Add	*1,349.07*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,683.35	473.77
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,604.33	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*875.68*	
		For Steel Armored Cable, Add	*875.68*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,511.69	473.77
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,419.05	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*1,562.67*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,326.41	473.77
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,233.77	473.77
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,062.11	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*6,730.26*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,989.62	541.44
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	23,804.34	541.44

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,033.67	406.08
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,134.57	406.08
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,406.37	406.08
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,692.47	406.08
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,964.27	406.08
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,522.17	406.08
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,778.03	473.77

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,795.07	473.77
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,797.79	473.77
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,800.52	473.77
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,803.25	473.77
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,805.98	473.77
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,825.74	473.77
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,943.99	541.44
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	24,949.44	541.44

27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0055	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,863.06	406.08
27 15 23 00-0056	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,214.56	406.08
27 15 23 00-0057	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,987.84	406.08
27 15 23 00-0058	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,356.88	406.08
27 15 23 00-0059	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,871.01	406.08
27 15 23 00-0060	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,193.74	473.77
27 15 23 00-0061	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,813.52	473.77
27 15 23 00-0062	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,026.69	473.77
27 15 23 00-0063	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,531.06	473.77

27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0065	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,152.67	406.08
27 15 23 00-0066	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,618.02	406.08
27 15 23 00-0067	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,385.25	406.08
27 15 23 00-0068	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,525.58	406.08
27 15 23 00-0069	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,999.12	406.08
27 15 23 00-0070	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,683.35	473.77
27 15 23 00-0071	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,392.32	473.77
27 15 23 00-0072	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,560.74	473.77
27 15 23 00-0073	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,577.10	473.77

27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*

27 15 23 00-0075	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,226.47	406.08
27 15 23 00-0076	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,715.08	406.08
27 15 23 00-0077	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,520.67	406.08
27 15 23 00-0078	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,718.02	406.08
27 15 23 00-0079	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,215.24	406.08
27 15 23 00-0080	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,978.04	473.77
27 15 23 00-0081	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,772.46	473.77
27 15 23 00-0082	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,999.30	473.77
27 15 23 00-0083	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,266.47	473.77

27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*

27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0087	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	980.44	406.08
27 15 23 00-0088	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	985.02	406.08
27 15 23 00-0089	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,225.57	406.08
27 15 23 00-0090	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,253.72	406.08
		For Aluminum Armored Cable, Add	*900.93*	
		For Steel Armored Cable, Add	*5,923.53*	
27 15 23 00-0091	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,395.41	406.08
27 15 23 00-0092	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,421.92	406.08
		For Aluminum Armored Cable, Add	*938.56*	
		For Steel Armored Cable, Add	*6,372.41*	
27 15 23 00-0093	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,218.73	473.77
27 15 23 00-0094	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,129.65	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*908.76*	
		For Steel Armored Cable, Add	*6,979.56*	
27 15 23 00-0095	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,540.75	473.77
27 15 23 00-0096	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,710.59	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*1,393.32*	
		For Steel Armored Cable, Add	*8,926.39*	
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,092.76	473.77
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,568.48	473.77
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,635.32	473.77

27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,014.84	406.08
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,416.50	406.08
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,869.65	406.08
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,331.88	406.08
		For Aluminum Armored Cable, Add	*273.16*	
		For Steel Armored Cable, Add	*633.03*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,774.79	406.08
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,159.61	406.08
		For Aluminum Armored Cable, Add	*215.27*	
		For Steel Armored Cable, Add	*623.76*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,029.84	473.77
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,316.69	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.01*	
		For Steel Armored Cable, Add	*4,522.33*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,580.23	473.77
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,843.77	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*5,757.82*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,107.31	473.77
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,370.85	473.77
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	26,921.24	473.77
		For Aluminum Armored Cable With Sub-Units, Add	*11,515.63*	

27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*

27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,031.75	406.08
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,453.49	406.08
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,929.29	406.08
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,414.64	406.08
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,879.69	406.08
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,283.75	406.08
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,191.85	473.77
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,643.04	473.77
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,069.76	473.77
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,496.48	473.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,923.19	473.77
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,349.91	473.77
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	28,227.82	473.77
27 15 23 00-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*		
27 15 23 00-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,938.02	406.08
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,365.68	406.08
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,393.79	406.08
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,401.36	406.08
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,009.43	406.08
27 15 23 00-0135	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,998.59	473.77
27 15 23 00-0136	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,426.79	473.77
27 15 23 00-0137	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,456.02	473.77
27 15 23 00-0138	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,785.19	473.77
27 15 23 00-0139		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0140	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,858.07	406.08
27 15 23 00-0141	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,079.12	406.08
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,258.66	406.08
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,369.47	406.08
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,092.69	406.08
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,195.81	473.77
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,861.21	473.77
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,711.82	473.77
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	31,560.13	473.77
27 15 23 00-0149		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,067.13	406.08
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,349.24	406.08
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,637.75	406.08
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,804.11	406.08
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,613.49	406.08
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,916.12	473.77
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,714.79	473.77
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,657.94	473.77
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	33,098.66	473.77
27 15 23 00-0159		Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160		Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161		Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162		Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,215.13	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,309.38	541.44
		For Work In Restricted Working Space, Add	*270.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,340.85	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,452.92	541.44
		For Aluminum Armored Cable, Add	*842.23*	
		For Steel Armored Cable, Add	*1,644.81*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,485.05	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,679.28	541.44
		For Aluminum Armored Cable, Add	*888.79*	
		For Steel Armored Cable, Add	*1,727.08*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,732.16	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,769.67	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*1,780.56*	
		For Steel Armored Cable, Add	*2,342.85*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,558.18	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*1,877.04*	
		For Steel Armored Cable, Add	*2,144.16*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,711.12	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*1,969.39*	
		For Steel Armored Cable, Add	*2,245.50*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,675.52	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,931.98	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,281.00	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,712.80	676.80
		For Work In Restricted Working Space, Add	*338.40*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,552.40	676.80
		For Work In Restricted Working Space, Add	*338.40*	

27 15 23 00-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,242.27	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,338.37	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,597.22	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,869.70	541.44
		For Aluminum Armored Cable, Add	*958.14*	
		For Steel Armored Cable, Add	*1,252.82*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,128.56	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,659.90	541.44
		For Aluminum Armored Cable, Add	*965.11*	
		For Steel Armored Cable, Add	*1,349.07*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,908.94	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,829.92	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*875.68*	
		For Steel Armored Cable, Add	*875.68*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,737.28	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,644.64	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*1,562.67*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,552.00	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,459.36	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,287.70	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*6,730.26*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,215.22	676.80
		For Work In Restricted Working Space, Add	*338.40*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	24,029.94	676.80
		For Work In Restricted Working Space, Add	*338.40*	

27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,259.27	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,360.17	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,631.97	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,918.07	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,189.87	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,747.77	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0201	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,003.62	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0202	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,020.66	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0203	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,023.38	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0204	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,026.11	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0205	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,028.84	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0206	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,031.57	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0207	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,051.33	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0208	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,169.59	676.80
		For Work In Restricted Working Space, Add	*338.40*	
27 15 23 00-0209	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	25,175.04	676.80
		For Work In Restricted Working Space, Add	*338.40*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212	MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,088.66	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0213	MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,440.16	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0214	MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,213.44	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0215	MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,582.48	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0216	MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,096.61	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0217	MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,419.33	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0218	MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,039.11	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0219	MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,252.28	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0220	MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,756.65	609.12
		For Work In Restricted Working Space, Add	*304.56*	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0222	MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,378.27	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0223	MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,843.62	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0224	MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,610.85	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0225	MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,751.18	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0226	MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,224.72	541.44
		For Work In Restricted Working Space, Add	*270.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0227	MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,908.94	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0228	MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,617.91	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0229	MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,786.33	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0230	MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,802.69	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0231		62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*		
27 15 23 00-0232	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,452.07	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0233	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,940.68	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,746.27	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,943.62	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,440.84	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,203.63	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,998.05	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,224.89	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,492.06	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0241		Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0242		Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*		
27 15 23 00-0243		Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		
27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,206.04	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,210.62	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,451.17	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,479.32	541.44
		For Aluminum Armored Cable, Add	*900.93*	
		For Steel Armored Cable, Add	*5,923.53*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,621.01	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,647.52	541.44
		For Aluminum Armored Cable, Add	*938.56*	
		For Steel Armored Cable, Add	*6,372.41*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,444.32	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,355.24	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*908.76*	
		For Steel Armored Cable, Add	*6,979.56*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,766.34	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,936.18	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*1,393.32*	
		For Steel Armored Cable, Add	*8,926.39*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,318.35	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,794.07	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,860.91	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0257		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,240.44	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,642.10	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,095.25	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,557.48	541.44
		For Aluminum Armored Cable, Add	*273.16*	
		For Steel Armored Cable, Add	*633.03*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,000.39	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,385.21	541.44
		For Aluminum Armored Cable, Add	*215.27*	
		For Steel Armored Cable, Add	*623.76*	
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,255.43	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,542.28	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*1,939.01*	
		For Steel Armored Cable, Add	*4,522.33*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,805.82	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,069.36	609.12
		For Aluminum Armored Cable With Sub-Units, Add	*5,757.82*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,332.90	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,596.44	609.12
		For Work In Restricted Working Space, Add	*304.56*	
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	27,146.83	609.12
		For Work In Restricted Working Space, Add	*304.56*	
		For Aluminum Armored Cable With Sub-Units, Add	*11,515.63*	
		For Work In Restricted Working Space, Add	*304.56*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,257.35	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,679.09	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,154.89	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,640.24	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,105.29	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,509.35	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,417.44	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,868.63	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,295.35	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,722.07	609.12
		For Work In Restricted Working Space, Add	*304.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,148.78	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,575.50	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,453.41	609.12
		For Work In Restricted Working Space, Add	*304.56*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,163.62	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,591.28	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,619.39	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,626.96	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,235.03	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,224.18	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,652.38	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,681.61	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,010.78	609.12
		For Work In Restricted Working Space, Add	*304.56*	

27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,083.67	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,304.72	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,484.26	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,595.07	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,318.29	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,421.40	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,086.80	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,937.41	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	31,785.72	609.12
		For Work In Restricted Working Space, Add	*304.56*	

27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,292.73	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,574.84	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,863.35	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,029.71	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,839.09	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,141.71	609.12
		For Work In Restricted Working Space, Add	*304.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,940.38	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,883.53	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,324.25	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0316		Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,442.76	406.08
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,478.69	406.08
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,781.25	473.77
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	9,147.78	473.77
27 15 23 00-0322		Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*		
27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,729.35	406.08
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,519.01	406.08
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,872.95	473.77
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	11,898.70	473.77
27 15 23 00-0327		Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*		
		Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*		
27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,668.36	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,704.29	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,006.84	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,373.37	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0333		Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*		
27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,954.95	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,744.61	541.44
		For Work In Restricted Working Space, Add	*270.72*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	7,098.54	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	12,124.29	609.12
		For Work In Restricted Working Space, Add	*304.56*	
27 15 23 00-0338		Outdoor Fiber Optic Cable *(27 15 23)*		
		Note: Cable buried in trench excludes excavation.		
27 15 23 00-0339		Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*		
		Note: Excludes conduit or innerduct.		
27 15 23 00-0340		Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*		
27 15 23 00-0341		Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,914.88	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.16*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,949.01	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.43*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,983.19	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.63*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,017.35	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.30*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,085.22	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.54*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,224.05	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.59*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,295.41	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.25*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,317.43	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.95*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,725.84	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.09*	
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,951.01	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.06*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,243.15	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.28*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,757.45	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,319.40	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.55*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,907.53	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.78*	

27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,736.37	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,814.86	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,979.29	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,203.52	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,296.95	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,614.62	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,287.31	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,277.67	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,380.14	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,146.27	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,136.63	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,435.01	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,714.70	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	14,994.39	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,678.05	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.24*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,790.77	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.73*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,903.32	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*134.01*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,042.36	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.56*	
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,241.47	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,593.51	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.55*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,926.98	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.99*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,565.21	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.67*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,311.70	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.13*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,001.18	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.08*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,728.90	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.42*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,200.73	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*341.16*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,696.19	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.17*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,214.73	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.64*	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit
(27 15 23 00-0339)

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,110.35	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.66*	
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,176.90	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*310.97*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,196.88	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*298.02*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,276.61	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.09*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,301.49	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.51*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,413.23	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.21*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,513.42	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*284.55*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,673.24	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.84*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,898.41	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*365.55*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,122.70	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.71*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,426.79	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.76*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,918.66	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*424.84*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,562.17	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*418.33*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,088.76	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*334.16*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,334.73	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.60*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,567.75	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*171.70*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,874.35	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.79*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,021.51	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,168.68	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,512.07	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*73.58*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,818.67	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.07*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,480.93	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*551.88*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,143.19	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*919.80*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,695.07	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,011.78*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,418.64	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,287.72*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,927.11	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,900.92*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,687.48	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,434.89*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,637.46	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,495.24*	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,754.17	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*147.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,864.54	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,974.74	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.99*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,085.11	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*182.89*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,371.03	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.71*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,651.40	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.52*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,994.95	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.38*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,659.92	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.36*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,337.32	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.44*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,017.05	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*394.69*	
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,731.78	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*440.14*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,182.15	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*518.98*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,054.18	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.50*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,151.25	812.16
		For Corrugated Coated Steel Tape Armored Cable, Add	*553.84*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,802.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*274.16*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,836.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.43*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,870.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.63*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,904.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.30*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,972.41	
		For Corrugated Coated Steel Tape Armored Cable, Add	*254.54*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,111.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*283.59*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,182.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*223.25*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,204.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*260.95*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,613.03	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.09*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,125.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*287.06*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,469.62	
		For Corrugated Coated Steel Tape Armored Cable, Add	*339.28*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,644.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.74*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,206.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*395.55*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,794.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.78*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,623.56	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,702.05	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,866.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,090.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,184.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,501.81	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,174.50	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,164.86	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,267.33	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,033.46	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,023.82	
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,322.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,601.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	14,881.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,565.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*117.24*	
27 15 23 00-0466	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,677.96	
		For Corrugated Coated Steel Tape Armored Cable, Add	*125.73*	
27 15 23 00-0467	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,790.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*134.01*	
27 15 23 00-0468	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,929.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*152.56*	
27 15 23 00-0469	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,128.66	
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0470	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,480.70	
		For Corrugated Coated Steel Tape Armored Cable, Add	*169.55*	
27 15 23 00-0471	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,814.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*194.99*	
27 15 23 00-0472	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,452.40	
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.67*	
27 15 23 00-0473	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,198.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.13*	
27 15 23 00-0474	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,888.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.08*	
27 15 23 00-0475	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,616.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*303.42*	
27 15 23 00-0476	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,087.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*341.16*	
27 15 23 00-0477	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,583.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.17*	
27 15 23 00-0478	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,101.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*355.64*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,997.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*216.66*	
27 15 23 00-0482	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,064.09	
		For Corrugated Coated Steel Tape Armored Cable, Add	*310.97*	
27 15 23 00-0483	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,084.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*298.02*	
27 15 23 00-0484	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,163.80	
		For Corrugated Coated Steel Tape Armored Cable, Add	*248.09*	
27 15 23 00-0485	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,188.68	
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.51*	
27 15 23 00-0486	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,300.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*281.21*	
27 15 23 00-0487	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,400.61	
		For Corrugated Coated Steel Tape Armored Cable, Add	*284.55*	
27 15 23 00-0488	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,560.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*360.84*	
27 15 23 00-0489	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,785.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*365.55*	
27 15 23 00-0490	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,009.89	
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.71*	
27 15 23 00-0491	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,313.98	
		For Corrugated Coated Steel Tape Armored Cable, Add	*325.76*	
27 15 23 00-0492	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,805.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*424.84*	
27 15 23 00-0493	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,449.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*418.33*	
27 15 23 00-0494	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,975.95	
		For Corrugated Coated Steel Tape Armored Cable, Add	*334.16*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0496	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,221.92	
		For Corrugated Coated Steel Tape Armored Cable, Add	*306.60*	
27 15 23 00-0497	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,454.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*171.70*	
27 15 23 00-0498	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,761.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.79*	
27 15 23 00-0499	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,908.70	
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0500	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,055.87	
		For Corrugated Coated Steel Tape Armored Cable, Add	*61.32*	
27 15 23 00-0501	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,399.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*73.58*	
27 15 23 00-0502	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,705.86	
		For Corrugated Coated Steel Tape Armored Cable, Add	*282.07*	
27 15 23 00-0503	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,368.12	
		For Corrugated Coated Steel Tape Armored Cable, Add	*551.88*	
27 15 23 00-0504	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,030.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*919.80*	
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,582.26	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,011.78*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,305.83	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,287.72*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,814.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,900.92*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,574.67	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,434.89*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,524.65	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,495.24*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,641.36	
		For Corrugated Coated Steel Tape Armored Cable, Add	*147.16*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,751.73	
		For Corrugated Coated Steel Tape Armored Cable, Add	*159.09*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,861.93	
		For Corrugated Coated Steel Tape Armored Cable, Add	*170.99*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,972.30	
		For Corrugated Coated Steel Tape Armored Cable, Add	*182.89*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,258.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*196.71*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,538.59	
		For Corrugated Coated Steel Tape Armored Cable, Add	*230.52*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,882.14	
		For Corrugated Coated Steel Tape Armored Cable, Add	*250.38*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,547.11	
		For Corrugated Coated Steel Tape Armored Cable, Add	*309.36*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,224.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*354.44*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,904.24	
		For Corrugated Coated Steel Tape Armored Cable, Add	*394.69*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,618.97	
		For Corrugated Coated Steel Tape Armored Cable, Add	*440.14*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,069.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*518.98*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,614.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*536.50*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,038.44	
		For Corrugated Coated Steel Tape Armored Cable, Add	*553.84*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,116.33	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*183.37*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,150.24	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.12*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,184.60	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.74*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,218.52	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*189.05*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,286.38	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*220.40*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,420.38	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*229.13*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,522.57	3,119.36
		For Corrugated Coated Steel Tape Armored Cable, Add	*253.25*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0535		MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,765.55	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*242.83*	
27 15 23 00-0536		MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,978.03	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*282.11*	
27 15 23 00-0537		MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,153.69	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*270.52*	
27 15 23 00-0538		MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,372.81	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*309.29*	
27 15 23 00-0539		MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,947.91	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*314.13*	
27 15 23 00-0540		MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,564.92	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*374.84*	
27 15 23 00-0541		MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	11,712.84	3,119.36
			For Corrugated Coated Steel Tape Armored Cable, Add	*402.49*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

27 15 23 00-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0544		MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,722.70	676.80
27 15 23 00-0545		MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,715.60	676.80
27 15 23 00-0546		MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,927.45	676.80

27 15 23 00-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0542)*

27 15 23 00-0548		MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,989.10	676.80
27 15 23 00-0549		MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,553.36	676.80
27 15 23 00-0550		MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	8,021.56	676.80

27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes trenching.

27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0553		MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,609.89	620.40
27 15 23 00-0554		MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,602.79	620.40
27 15 23 00-0555		MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,814.64	620.40

27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0551)*

27 15 23 00-0557		MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,876.29	620.40
27 15 23 00-0558		MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,440.55	620.40
27 15 23 00-0559		MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,908.75	620.40

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0002)*

27 15 33 00-0004		MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,790.31	473.77
27 15 33 00-0005		MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,644.63	473.77
27 15 33 00-0006		MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,384.28	541.44
27 15 33 00-0007		MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	5,881.81	541.44

27 15 33 00-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0002)*

27 15 33 00-0009		MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,579.90	947.52
			For Work In Restricted Working Space, Add	*473.76*	
27 15 33 00-0010		MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	5,434.22	947.52
			For Work In Restricted Working Space, Add	*473.76*	
27 15 33 00-0011		MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	2,286.69	1,082.88
			For Work In Restricted Working Space, Add	*541.44*	
27 15 33 00-0012		MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	6,784.22	1,082.88
			For Work In Restricted Working Space, Add	*541.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 33 00-0013		**Coaxial Distribution Cable** *(27 15 33 00-0001)* Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0014	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,133.41	329.76
27 15 33 00-0015	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,734.99	329.76
27 15 33 00-0016	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,485.75	348.31
27 15 33 00-0017	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,289.34	348.31
27 15 33 00-0018	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,241.11	412.20
27 15 33 00-0019	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,729.11	412.20
27 15 33 00-0020	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	23,611.52	577.08
27 15 33 00-0021	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,252.69	288.55
27 15 33 00-0022	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,610.08	288.55
27 15 33 00-0023	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,239.65	288.55
27 15 33 00-0024	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	8,073.28	577.08
27 15 33 00-0025	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	3,922.40	288.55
27 15 33 00-0026	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	9,946.50	577.08
27 15 33 00-0027	MLF	1/2" Hard Line Coaxial, Installed In Conduit	3,065.75	412.20
27 15 33 00-0028		**Outdoor Coaxial Cable** *(27 15 33)*		
27 15 33 00-0029		**Coaxial Cables "Television" Copper Covered Aluminum Center Core** *(27 15 33 00-0028)* Note: Corrugated steel armor jacket.		
27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	7,831.21	1,542.88
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	4,751.63	1,085.23
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,471.61	640.26
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,968.11	640.26
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	2,868.52	1,000.42
27 15 43		**Communications Faceplates and Connectors** *(27 15)*		
27 15 43 00-0001		**Wall Mounted Telephone Faceplates** *(27 15 43)* Note: Includes standard telephone mounting studs.		
27 15 43 00-0002		**Plastic Faceplates For Wall Mounted Telephones** *(27 15 43 00-0001)*		
27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	37.38	14.10
27 15 43 00-0004		**Stainless Steel Faceplates For Wall Mounted Telephones** *(27 15 43 00-0001)*		
27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	39.06	5.64
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	65.71	14.10
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	76.22	16.92
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	37.43	5.64
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	58.86	14.10
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	69.55	16.92
27 15 43 00-0011		**Plastic Communications Faceplates** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0052 for modular jacks.		
27 15 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	10.11	2.82
27 15 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	10.11	2.82
27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	10.11	2.82
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	10.11	2.82
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	10.11	2.82
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	17.24	2.82
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	17.24	2.82
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	17.24	2.82
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	17.24	2.82
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	17.24	2.82
27 15 43 00-0022	EA	Two Port, Modular Furniture, Plastic Communication Faceplate With Station ID	17.27	5.65
27 15 43 00-0023		**Stainless Steel Communications Faceplates** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0052 for modular jacks.		
27 15 43 00-0024		**Stainless Steel Communications Faceplates** *(27 15 43 00-0023)*		
27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	20.93	2.82
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	20.93	2.82
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	20.93	2.82
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	22.51	2.82
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	22.51	2.82
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	31.04	2.82
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	32.04	2.82
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	37.39	2.82
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	37.39	2.82
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	37.39	2.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0035		Stainless Steel Communications Faceplates With Station ID *(27 15 43 00-0023)*		
27 15 43 00-0036	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.85	2.82
27 15 43 00-0037	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.85	2.82
27 15 43 00-0038	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.85	2.82
27 15 43 00-0039	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.85	2.82
27 15 43 00-0040	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	30.85	2.82
27 15 43 00-0041	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	68.74	2.82
27 15 43 00-0042	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	68.74	2.82
27 15 43 00-0043	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	68.74	2.82
27 15 43 00-0044	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	68.74	2.82
27 15 43 00-0045	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	68.74	2.82
27 15 43 00-0046		Surface Mount Plastic Communication Boxes *(27 15 43)*		
		Note: Excludes modular jacks. See CSI section 27 15 43 00-0052 for modular jacks.		
27 15 43 00-0047	EA	One Port, Surface Mount Plastic Communication Box With Station ID	33.90	14.13
27 15 43 00-0048	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	34.90	14.13
27 15 43 00-0049	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	41.74	14.13
27 15 43 00-0050	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	49.88	14.13
27 15 43 00-0051	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	58.41	14.13
27 15 43 00-0052		Snap-In Modular Jacks *(27 15 43)*		
		Note: Includes termination.		
27 15 43 00-0053	EA	Cat 3, Snap-In Modular Jack	33.91	11.30
27 15 43 00-0054	EA	Category 5E, Snap-In Modular Jack	36.09	11.30
27 15 43 00-0055	EA	Category 5E Shielded, Snap-In Modular Jack	42.64	11.30
27 15 43 00-0056	EA	Cat 6, Snap-In Modular Jack	42.64	11.30
27 15 43 00-0057	EA	Cat 6 Shielded, Snap-In Modular Jack	49.98	11.30
27 15 43 00-0058	EA	Cat 6A, Snap-In Modular Jack	51.09	11.30
27 15 43 00-0059	EA	Voice, RJ-11, Snap-In Modular Jack	24.59	5.65
27 15 43 00-0060	EA	SC Type Fiber Optic, Snap-In Modular Jack	38.87	11.30
27 15 43 00-0061	EA	ST Type Fiber Optic, Snap-In Modular Jack	44.42	11.30
27 15 43 00-0062	EA	LC Type Fiber Optic, Snap-In Modular Jack	55.34	11.30
27 15 43 00-0063	EA	Blank Fill In, Snap-In Modular Jack	6.68	2.82
27 15 43 00-0064	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	7.99	2.82
27 15 43 00-0065	EA	Coaxial F-Type Coupler, Snap-In Modular Jack	29.05	8.47
		Note: Includes female to female connection.		
		For Gold Bulkhead, Add	*2.12*	
27 15 43 00-0066	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack	29.45	8.47
		Note: Includes female to female connection.		
27 15 43 00-0067	EA	RCA Solder Coupler, Snap-In Modular Jack	54.52	11.30
27 15 43 00-0068	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	70.59	11.30
27 15 43 00-0069	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	35.50	11.30
27 15 43 00-0070	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	42.01	5.65
27 15 43 00-0071	EA	BNC Connector, Snap-In Modular Jack	42.04	11.30
27 15 43 00-0072	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	47.99	11.30
27 15 43 00-0073	PR	Speaker Connectors, Snap-In Modular Jack	62.15	16.95
		Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0074	EA	USB Audio Video Connector, Snap-In Modular Jack	75.37	11.30
27 15 53		**Communications Cable Innerduct** *(27 15)*		
		Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 53 00-0001		Indoor Innerduct *(27 15 53)*		
27 15 53 00-0002		Indoor Innerduct, Installed In Conduit *(27 15 53 00-0001)*		
27 15 53 00-0003		Riser Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*		
27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	4,649.43	1,692.00
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	5,992.82	2,256.00
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	8,036.23	2,820.00
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	9,352.69	3,384.01
27 15 53 00-0008		Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*		
27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,256.37	1,128.00
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,109.77	1,692.00
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	10,203.03	2,256.00
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	13,140.89	2,820.00
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	15,817.33	3,384.01
27 15 53 00-0014		Indoor Innerduct, Installed Exposed *(27 15 53 00-0001)*		
27 15 53 00-0015		Riser Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*		
27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	5,777.43	2,256.00
		For Work In Restricted Working Space, Add	*1,353.60*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	7,120.82	2,820.00
		For Work In Restricted Working Space, Add	*1,692.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	9,164.23	3,384.01
		For Work In Restricted Working Space, Add	*2,030.40*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	10,480.68	3,948.01
		For Work In Restricted Working Space, Add	*2,368.80*	

27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*

27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	8,384.37	1,692.00
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	9,237.77	2,256.00
		For Work In Restricted Working Space, Add	*1,353.60*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	11,331.03	2,820.00
		For Work In Restricted Working Space, Add	*1,692.00*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	14,268.89	3,384.01
		For Work In Restricted Working Space, Add	*2,030.40*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	16,945.32	3,948.01
		For Work In Restricted Working Space, Add	*2,368.80*	

27 15 53 00-0026 Outdoor Innerduct *(27 15 53)*

27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit *(27 15 53 00-0026)*

27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	4,326.34	1,692.00
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	5,516.38	2,256.00
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	7,072.89	2,820.00
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	8,441.05	3,384.01

27 15 53 00-0032 Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*

27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	3,198.33	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	4,388.38	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	5,944.89	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	7,313.05	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001 Fiber Optic Receivers *(27 16 16)*

27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	1,564.44	56.40
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain Note: With video presence Ind, RM.	1,160.32	111.09

27 16 16 00-0004 Fiber Optic Transmitters *(27 16 16)*

27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles	1,564.42	56.40
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator	1,160.32	111.09

27 16 16 00-0007 Fiber Optic Repeaters *(27 16 16)*

Note: Consist of transmitter and receiver, back-to-back. Excludes power source.

27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,677.22	112.80
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	2,544.76	225.60

27 16 16 00-0010 Fiber Optic Transceivers *(27 16 16)*

27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,560.08	225.60
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,560.08	225.60
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	2,085.21	338.40
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)	836.47	84.60

27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire *(27 16)*

27 16 19 00-0001 Cross Connect Wire *(27 16 19)*

Note: Up to 20' length.

27 16 19 00-0002	EA	2-Pair Cross Connect Wire	18.41	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	24.69	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	30.88	

27 16 19 00-0005 Fiber Optic Patch Cords *(27 16 19)*

27 16 19 00-0006 Simplex Fiber Optic Patch Cables *(27 16 19 00-0005)*

27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0006)*

27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	57.46	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	46.30	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	60.80	
		For Each Additional Meter In Length, Add	*0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	48.85	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	56.99	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	56.09	
		For Each Additional Meter In Length, Add	*0.26*	

27 16 19 00-0014 Duplex Fiber Optic Patch Cables *(27 16 19 00-0005)*

27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*

27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	102.29	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	99.15	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	110.33	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	85.11	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	101.36	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	99.59	
		For Each Additional Meter In Length, Add	*0.51*	

27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*

27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	76.51	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.80	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.55	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	86.89	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	76.82	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	87.30	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	103.12	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	70.10	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	85.94	
		For Each Additional Meter In Length, Add	*1.48*	

27 16 19 00-0032 Fiber Optic Cable Pig Tail *(27 16 19)*

27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	81.97	39.48
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	108.42	39.48

27 16 19 00-0035 Ethernet Patch Cords *(27 16 19)*

27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	15.92
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	17.44
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	18.97
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	27.57
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	34.54
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	46.13
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	17.73
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots	21.59
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots	21.66
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots	25.73
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots	33.96
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots	42.99
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots	68.41
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots	119.68
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots	21.39
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots	22.69
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots	23.66
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots	27.94
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots	34.32
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots	42.70
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots	61.51
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots	107.64
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch	15.92
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch	17.44
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch	18.97
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch	27.57
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch	34.54
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch	46.13
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch	17.73
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch	21.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch	21.66	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch	25.73	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch	33.96	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch	42.99	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch	33.43	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch	35.73	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch	37.45	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch	42.84	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch	51.95	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch	66.75	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001 Fiber Optic Modems *(27 21 16)*

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	2,870.57	225.60
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	5,894.79	225.60

27 21 16 00-0004 Ethernet Hubs and Switches *(27 21 16)*

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,295.06	169.50
27 21 16 00-0006	EA	16 Port Unmanaged Hub	685.89	113.00
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,958.13	113.00
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,756.03	56.50

27 21 16 00-0009 Network Equipment *(27 21 16)*

27 21 16 00-0010 Communications Entrance Protection *(27 21 16 00-0009)*

27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	1,211.27	84.75
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.57	1.13

27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures *(27 21 16 00-0009)*

27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,478.02	84.75
		For Fan Kit (Chatsworth 12804-701), Add	*210.20*	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,377.33	5.65

27 21 16 00-0016 Communications Termination Blocks And Patch Panels *(27 21 16 00-0009)*

27 21 16 00-0017 Communications Termination Blocks *(27 21 16 00-0016)*

27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	327.00	16.92
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	304.31	16.92
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	729.84	16.92
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	678.79	16.92
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593)	102.30	16.92
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585)	110.55	16.92
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816)	125.99	16.92

27 21 16 00-0025 Communications Copper Patch Panels *(27 21 16 00-0016)*
Note: Excludes cabinet and terminations.

27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	322.73	36.72
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	588.95	45.20
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	478.24	36.72
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	893.52	45.20

27 21 16 00-0030 Communications Optical Fiber Patch Panels *(27 21 16 00-0016)*

27 21 16 00-0031 Closet Connector Housings *(27 21 16 00-0030)*

27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	393.44	22.60
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	459.30	22.60
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	572.87	22.60
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	96.65	11.30
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	129.79	11.30
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	108.35	11.30
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	140.49	11.30

27 21 16 00-0039 Communications Cable Management *(27 21 16 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0040		**Horizontal Communication Cable Management** *(27 21 16 00-0039)*		
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	162.60	22.60
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	168.69	22.60
27 21 16 00-0043		**Vertical Communication Cable Management** *(27 21 16 00-0039)*		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	1,036.49	56.50
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,075.89	56.50
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,164.50	56.50
27 21 16 00-0047		**Communications Patch Cords, Station Cords, And Cross Connect Wire** *(27 21 16 00-0009)*		
27 21 16 00-0048		**Premise Cross-Connect Wire** *(27 21 16 00-0047)*		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.16	0.56
27 21 16 00-0050		**Pathways For Communications Systems** *(27 21 16 00-0009)*		
27 21 16 00-0051		**Conduits And Back Boxes For Communication Systems** *(27 21 16 00-0050)*		
27 21 16 00-0052		**Flexible Conduit For Communication Systems** *(27 21 16 00-0051)*		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	533.20	203.04
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	851.42	203.04
27 21 16 00-0055		**Tube Cables For Communication Systems** *(27 21 16 00-0051)*		
27 21 16 00-0056		**Outdoor/All-Dielectric Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	366.76	135.36
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	538.53	169.20
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	874.53	203.04
27 21 16 00-0060		**Indoor/Riser Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	415.62	135.36
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	504.90	152.28
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	572.46	169.20
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,027.90	203.04
27 21 16 00-0065		**Indoor/Plenum Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	313.82	135.36
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	438.69	135.36
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	662.34	152.28
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	951.14	169.20
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,880.60	203.04
27 21 16 00-0071		**Unjacketed Single Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	275.82	135.36
27 21 16 00-0073		**Multimode Fiber Bundles** *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	113.83	40.61
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	166.76	40.61
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	223.77	40.61
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	397.50	40.61
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	573.01	47.37
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	746.75	47.37
27 21 16 00-0080		**Singlemode Fiber Bundles** *(27 21 16 00-0055)* Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	102.97	40.61
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	126.04	40.61
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	145.05	40.61
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	181.69	40.61
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	274.41	47.37
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	357.20	47.37
27 21 16 00-0087		**Tube Distribution Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	218.55	56.50
27 21 16 00-0089		**Modular Fiber Termination Cabinets** *(27 21 16 00-0055)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	271.78	56.50
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	288.61	56.50
27 21 16 00-0092		Tube Distribution Accessories *(27 21 16 00-0055)*		
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	13.19	5.65
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	14.37	5.65
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	17.41	5.65
27 21 16 00-0096		Communications Optical Fiber Cabling *(27 21 16 00-0009)*		
27 21 16 00-0097		Communications Optical Fiber Cable Splicing And Terminations *(27 21 16 00-0096)*		
27 21 16 00-0098		Field Installed Fiber Connectors *(27 21 16 00-0097)*		
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	36.06	8.47
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	32.17	8.47
27 21 16 00-0101		Buffer Tube Fan-Out Kits *(27 21 16 00-0097)*		
27 21 16 00-0102		Buffer Tube Breakout Kits (Sumitomo) *(27 21 16 00-0101)* Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	241.89	112.80
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	245.96	112.80
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	249.56	112.80
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	260.73	112.80
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	276.01	112.80
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	287.36	112.80
27 21 16 00-0109		Buffer Tube Fan-Out Kits (Corning) *(27 21 16 00-0101)*		
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	243.77	112.80
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	284.10	112.80
27 21 16 00-0112		Communications Copper Cabling *(27 21 16 00-0009)*		
27 21 16 00-0113		Copper Communications Cable Splicing And Terminations *(27 21 16 00-0112)*		
27 21 16 00-0114		Copper Communications Cable Splice Cases *(27 21 16 00-0113)*		
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,227.56	225.60
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,449.45	225.60
27 21 16 00-0117	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,186.76	225.60
27 21 16 00-0118		Modular Splice Connectors *(27 21 16 00-0113)*		
27 21 16 00-0119	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	123.56	56.40
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	121.17	56.40
27 21 16 00-0121	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	123.62	56.40
27 21 16 00-0122	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	123.28	56.40
27 21 26		**Data Communications Network Management** *(27 21)*		
27 21 26 00-0001		Data Communications Network Management *(27 21 26)*		
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	723.65	28.20
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	553.67	28.20
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	778.24	28.20
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,228.54	28.20
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	112.67	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	540.63	16.92
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	890.36	28.20
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	5,096.07	361.59
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,554.49	361.59
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,741.82	135.36
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	635.25	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,574.41	135.36
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	29,732.52	135.36
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	702.38	11.30
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,160.84	14.10
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,474.91	14.10
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	78.17	5.65
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	238.18	56.40
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,750.91	135.36
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	835.83	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	24.77	5.65
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	344.15	14.10
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	864.10	14.13
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	125.38	5.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,504.91	135.36
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	839.18	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	738.67	14.10
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	750.37	14.10
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,530.70	135.36
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	404.38	14.13
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,917.27	14.13
27 21 26 00-0033	EA	Router (CISCO IR829)	1,701.12	56.50
27 21 26 00-0034	EA	Network Router (Cradlepoint IBR600C)	838.89	56.50

27 21 29 Data Communications Switches and Hubs *(27 21)*

27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels *(27 21 29)*

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0052 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	108.33	5.64
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	119.59	5.64
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	141.38	5.64
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	148.07	5.64
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	161.91	7.05
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	153.62	5.64
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	192.79	7.05
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	68.77	7.05

27 21 33 Data Communications Wireless Access Points *(27 21)*

27 21 33 00-0001 Data Communications Wireless Access Points *(27 21 33)*

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,222.02	169.20
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,623.64	169.20
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,623.64	169.20
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	2,009.69	169.20
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,369.27	193.55
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,730.00	193.55
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	10,254.61	193.55
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	10,254.61	193.55
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,096.42	64.51
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,126.01	64.51
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	190.35	32.26
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,838.87	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	637.71	56.40
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	525.29	56.40
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	88.91	22.56
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	83.16	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	47.74	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	330.02	56.40
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	332.19	56.40
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	460.37	56.50
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,182.90	84.75
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,521.26	84.75
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	81.23	16.92
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	310.36	64.51
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,059.92	64.51
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,286.91	56.50
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,675.63	56.40

27 30 Voice Communications *(27)*

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	7,885.79	1,030.77
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	958.25	84.26
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	472.23	90.35
27 32 13 00-0005	EA	Loud Ring Bell, 6"	366.64	83.81
27 32 13 00-0006	EA	Audio/Visual Indicator	475.57	78.96
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	498.80	70.84
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,403.10	577.87
27 32 13 00-0009	EA	Handset For 16 Station System	349.40	57.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	473.39	77.60
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	2,943.79	1,243.84
27 32 13 00-0012	EA	Power Supply For 16 Station System	414.83	153.52
27 32 13 00-0013	EA	Intercom Terminal Board	355.33	172.81
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	433.05	153.52
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	214.75	63.07
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	689.45	138.81
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	816.10	157.77
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	991.17	186.73
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,175.45	201.88
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,859.08	229.70
27 32 13 00-0021	EA	Ring Rung 3"	12.51	6.29
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	31.95	11.17
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	57.05	22.89

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	12.81	6.09
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	28.98	23.47
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	74.24	25.76
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	69.19	25.76
27 32 13 00-0029	EA	Terminating Strips, Inside	140.91	51.52
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	58.84	26.51
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	170.46	62.16
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	201.87	69.48
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	66.52	20.87
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	57.70	26.17
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	826.88	150.70
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	1,000.76	153.07
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	327.14	62.72
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	339.26	62.72
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	450.07	80.20
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	951.34	144.49
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,344.39	164.91
27 32 13 00-0042	EA	Gas Protection Module	18.41	5.64
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	35.55	5.15

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,809.22	464.55
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	12,442.35	464.55
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	211.04	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	316.57	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	791.42	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,076.33	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,181.85	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	21.10	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	21.10	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	189.94	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	2,004.93	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	928.60	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	3,007.39	
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,320.79	
27 32 26 00-0016	EA	Active Venting Code Blue Option	337.67	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,944.08	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	738.66	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,677.81	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	73.87	

27 32 26 00-0021 City Police Call System *(27 32 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0022		Components *(27 32 26 00-0021)*		
27 32 26 00-0023	EA	City Police Call System	913.78	131.52
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	794.72	190.52

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*

See CSI section 26 05 19 16-0012 for basic wiring.

27 41 16 00-0002 Mounted Television Support *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	481.47	126.56
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	630.72	141.25
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	504.90	126.56
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	654.15	141.25
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	382.23	101.70
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	531.45	113.00
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	412.97	101.70
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	562.20	113.00
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	443.72	101.70
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	592.94	113.00

27 41 16 00-0013 Distribution System *(27 41 16 00-0001)*

See CSI section 26 05 13 16-0001 for wire and cabling.

27 41 16 00-0014 TV Distribution Rack *(27 41 16 00-0013)*

27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,798.19	207.44
27 41 16 00-0016	EA	Switch And Pilot Light	259.97	92.16
27 41 16 00-0017	LF	Surface Raceway With Outlets	30.61	12.52
27 41 16 00-0018	EA	Service Label	35.52	17.26

27 41 16 00-0019 Head End Amplifier *(27 41 16 00-0013)*

27 41 16 00-0020	EA	Head End Amplifier	1,199.78	138.07

27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*

27 41 16 00-0022	EA	UHF In-Line Booster	681.68	138.07

27 41 16 00-0023 Preamplifiers *(27 41 16 00-0013)*

27 41 16 00-0024	EA	VHF Preamplifier	864.12	138.07
27 41 16 00-0025	EA	UHF Preamplifier	681.68	138.07

27 41 16 00-0026 Power Supplies *(27 41 16 00-0013)*

27 41 16 00-0027	EA	Common Power Supply	1,234.46	197.29

27 41 16 00-0028 Line Splitter And Mixer *(27 41 16 00-0013)*

27 41 16 00-0029	EA	Line Splitter	97.16	46.02
27 41 16 00-0030	EA	Two-Way Splitter	111.68	46.02
27 41 16 00-0031	EA	Frequency Filter	258.81	69.14
27 41 16 00-0032	EA	Line Splitter And Mixer	297.41	101.52

27 41 16 00-0033 Power Line Filters *(27 41 16 00-0013)*

27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	515.37	92.16

27 41 16 00-0035 Wall Box And Receiver Outlets *(27 41 16 00-0013)*

27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	258.81	69.14
27 41 16 00-0037	EA	TV Receiver Outlet Plug	111.68	46.02
27 41 16 00-0038	EA	TV Camera Outlet Plug	111.68	46.02
27 41 16 00-0039	EA	Audio Outlet Plug	93.49	46.02
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	196.11	92.16
27 41 16 00-0041	EA	Male Plug PL-259	111.68	46.02
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	128.03	48.27

27 41 23 Audio-Video Accessories *(27 41)*

27 41 23 00-0001 Signaling *(27 41 23)*

27 41 23 00-0002	EA	Explosion Proof Signaling Strobe Light, Federal #27XST-120	2,722.94	108.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 23 00-0003	EA	Explosion Proof Signaling Revolving Warning Light, Federal #121X-120	2,605.58	108.21
27 41 23 00-0004	EA	Explosion Proof Signaling Horn, Federal #41X-024-1	2,084.91	108.21
27 41 23 00-0005	EA	Explosion Proof Signaling Horn, Federal #31X-120-3	1,603.12	108.21
27 41 23 00-0006	EA	Hazardous Location Warning Lights, Strobe, Glass, Federal #151XST-120	1,198.31	108.21
27 41 23 00-0007	EA	Hazardous Location Warning Lights, Strobe, Poly, Federal #225XST-120	863.12	108.21
27 41 23 00-0008	EA	Hazardous Location Warning Lights, Steady Burning Light, Federal #191X-0240250	680.75	108.21
27 41 23 00-0009	EA	Visual Signaling Devices, Revolving, Federal #121S-120	723.22	108.21
27 41 23 00-0010	EA	Visual Signaling Devices, Revolving, Federal #371L-120	2,209.45	108.21
27 41 23 00-0011	EA	Visual Signaling Devices, Strobe, Federal #FB2PST-120	796.81	108.21
27 41 23 00-0012	EA	Visual Signaling Devices, Strobe, Federal #131DST-120	1,175.68	108.21
27 41 23 00-0013	EA	Pendant Fixture, Crouse-Hinds EVAS101R Or EVAS201R	4,692.02	108.21
27 41 23 00-0014	EA	Pendant Fixture With Guard, Crouse-Hinds EVAS110R Or EVAS210R	4,749.24	108.21
27 41 23 00-0015	EA	Wall Fixture, Crouse-Hinds EVBS101R Or EVBS201R	5,063.93	108.21
27 41 23 00-0016		Visual And Audible Signals *(27 41 23)*		
27 41 23 00-0017	EA	4" x 4" x 2-1/2" Deep Vibrating Horn	246.80	28.20
27 41 23 00-0018	EA	4" x 4" x 3.4" Deep Vibrating Bell	335.97	28.20
27 41 23 00-0019	EA	6" x 6" x 3.8" Deep Vibrating Bell	406.03	28.20
27 41 23 00-0020	EA	8" x 8" x 19-3/4" Deep Resonating Horn	1,369.05	36.66
27 41 23 00-0021	EA	3 Tone Electric Siren, NEMA 3R	1,281.16	36.66
27 41 23 00-0022	EA	16 Tone Electric Siren	2,028.35	42.30
27 41 23 00-0023	EA	Wall Mounting Brackets For Visual Signals	240.45	28.20
27 41 23 00-0024	EA	Wall Mounting Brackets For Explosionproof Visual Signals	644.40	28.20
27 41 23 00-0025	EA	Dome Guard For Explosionproof Visual Signals	98.43	14.10
27 41 33		**Master Antenna Television Systems** *(27 41)*		
27 41 33 00-0001		Antenna Systems *(27 41 33)*		
27 41 33 00-0002		Antenna *(27 41 33 00-0001)*		
27 41 33 00-0003	EA	Amateur Radio Antenna	1,132.61	169.20
27 41 33 00-0004	EA	Multi-Band Radio Antenna	871.27	169.20
27 41 33 00-0005		Receptacles *(27 41 33 00-0001)*		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	240.59	69.14
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	240.59	69.14

27 50 Distributed Communications and Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001		Video Intercom And Exterior Gate Control System *(27 51 17)*		
27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,567.01	141.25
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,251.72	141.25
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	501.45	141.25
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,511.90	70.62
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,068.03	70.62
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	149.25	28.25
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,096.48	28.25
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,510.34	28.25
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	484.18	28.25
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	546.95	28.25
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	146.48	14.13
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	159.63	14.13
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,922.78	141.25
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	65.57	5.65
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	791.92	141.25
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	781.96	28.25
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	231.66	28.25
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	259.40	28.25
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	315.39	42.37
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	68.85	14.13

27 51 23 Intercommunications and Program Systems *(27 51)*

27 51 23 20 Commercial Intercommunications and Program Systems *(27 51 23)*

27 51 23 20-0001		Intercom *(27 51 23 20)* Note: Includes classroom software packages.		
27 51 23 20-0002	EA	Basic Shelf (Dukane STARCall 110-3546A)	5,645.49	339.00
27 51 23 20-0003	EA	Expanded Audio Routing Card (Dukane STARCall 110-3524B)	2,684.35	
27 51 23 20-0004	EA	Expanded Audio Switching Card (Dukane STARCall 110-3534D)	1,949.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 23 20-0005	EA	Expanded Administrative Telephone Card (Dukane STARCall Dukane 110-3527A)	1,971.79	
27 51 23 20-0006	EA	Protected Balanced Telephone Card (Dukane STARCall 110-3775B)	4,429.44	
27 51 23 20-0007	EA	250 Watt Power Amplifier (Dukane STARCall 1A4250)	3,496.76	
27 51 23 20-0008	EA	Intercom Amplifier Module (Dukane STARCall 110-3544C)	868.91	
27 51 23 20-0009	EA	Administrative Telephone (Dukane STARCall 7A1110)	2,110.22	
27 51 23 20-0010	EA	AM/FM Tuner / CD Player Preamplifier (Dukane STARCall RCD350P)	3,744.11	
27 51 23 20-0011	EA	Digital Display (Dukane STARCall RDU350)	4,179.82	
27 51 23 20-0012	EA	UPS System, 120 Tripp Lite SMARTNET (Emerson PS220RT2-120)	3,630.42	
27 51 23 20-0013	EA	Equipment Cabinet (Atlas Sound 140-18)	1,909.81	
27 51 23 20-0014	EA	Storage Drawer (Atlas Sound SD6-14)	619.05	
27 51 23 20-0015	EA	Master Clock (Dukane 24A715)	4,576.71	
27 51 23 20-0016	EA	Corrective Clock (National Time 030-10EX-LV)	387.82	
27 51 23 20-0017	EA	Clock Backbox (National Time 143-K3)	51.04	
27 51 23 20-0018	EA	Speaker/Transformer Assembly (Dukane 5A606)	48.77	
27 51 23 20-0019	EA	Baffle (Atlas Sound 840-89)	361.88	
27 51 23 20-0020	EA	Surface Mounted Backbox (Atlas Sound SM195-89)	194.93	
27 51 23 20-0021	EA	Dual Call-In Button (Horizon DCSB-1D9)	91.79	
27 51 23 20-0022	EA	Dual Call-In Button With Privacy Control (Horizon DCSB-2P9)	114.48	
27 51 23 20-0023	EA	Telephone Punchblock	53.26	
27 51 23 20-0024	EA	Ground Rail (Edco MGB)	34.29	
27 51 23 20-0025	EA	Surge Suppressor (Edco OPX-048)	57.08	
27 51 23 20-0026	EA	Surge Suppressor (Edco HCO)	59.34	
27 51 23 20-0027	EA	Hands Free Color Video Intercom (Aiphone JF-2MED)	1,562.92	28.25

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001 Amplifiers *(27 51 43)*

27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	557.10	113.00
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	805.31	113.00
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	964.64	113.00
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,078.31	113.00
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,353.75	113.00
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,765.65	113.00
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	69.60	5.65

27 51 43 00-0009 Splitters *(27 51 43)*

27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,574.43	84.60
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,221.40	84.60

27 51 43 00-0012 Speakers *(27 51 43)*

27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	206.31	30.23
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	69.63	5.64
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	78.30	5.64
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	124.75	5.64
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	111.33	10.15
27 51 43 00-0018	EA	PA Speakers, 30 Watt Cone Wall Type	980.46	75.80
27 51 43 00-0019	EA	PA Speakers, 15 Watt Cone Wall Type	507.16	75.58
27 51 43 00-0020	EA	PA Speakers, 15 Watt Ceiling Type	507.16	75.58
27 51 43 00-0021	EA	PA Speakers, 15 Watt Dual Cone Wall Type	863.18	75.58
27 51 43 00-0022	EA	PA Speakers, Ceiling Speaker, 7-1/2" Diameter With 4" Speaker Area, Vinyl Clad Round Metal Grille	167.64	45.12
27 51 43 00-0023	EA	PA Speakers, 12 Watt Standard Paging Speaker With 360 Degree Swivel Bracket	409.41	45.12
27 51 43 00-0024	EA	PA Speakers, 15 Watt Standard Paging Speaker With Dustproof/Moistureproof Housing, Indoor/Outdoor	595.97	45.12
27 51 43 00-0025	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 8 Ohm	396.89	45.12
27 51 43 00-0026	EA	PA Speakers, 30 Watt Standard Paging Box Speaker, High Impact Plastic, 25 Volt / 70 Volt / 100 Volt	471.53	45.12
27 51 43 00-0027	EA	PA Speakers, 60 Watt Marine Speaker, High Impact Acrylonitrile Butadiene Styrene (ABS) Plastic	788.54	45.12
27 51 43 00-0028	EA	PA Speakers, 15 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	602.33	45.12
27 51 43 00-0029	EA	PA Speakers, 30 Watt Hazardous Location Speaker, Class I, Division 1, Groups A, B, C, D; Class II, Division 2, Groups F And G	1,121.41	45.12
27 51 43 00-0030	EA	PA Speakers, 15 Watt Explosionproof Speaker, Class I, Division 1, Groups B, C, D; Class II, Division 1, Groups E, F And G	1,922.76	45.12
27 51 43 00-0031	EA	Warning Horn, 120 Volt AC, 4" x 4", 100 dB, Outdoor Use	375.66	45.12
27 51 43 00-0032	EA	Cast Aluminum Weatherproof Box For Warning Horn, 4-3/8" x 4-3/8", Outdoor Use	164.77	22.56

27 51 43 00-0033 Accessories *(27 51 43)*

27 51 43 00-0034	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	343.44	14.13
27 51 43 00-0035	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	777.97	14.13
27 51 43 00-0036	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	188.38	28.25
27 51 43 00-0037	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	357.41	28.25
27 51 43 00-0038	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	258.59	28.20
27 51 43 00-0039	EA	Microphone Jack For Audio/Video System	114.30	28.25
27 51 43 00-0040	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	1,010.96	113.00
27 51 43 00-0041	EA	Volume Control For Audio/Video System (Bogen AT10A)	108.83	28.25
27 51 43 00-0042	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	73.38	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0043		Removal And Reinstallation Of Speakers *(27 51 43)*		
		Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0044	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	157.93	

27 52 Healthcare Communications and Monitoring Systems *(27 50)*

27 52 23 Nurse Call/Code Blue Systems *(27 52)*

27 52 23 00-0001		Wireless Equipment Nurses Call Systems *(27 52 23)*		
		Note: Includes all mounting hardware, batteries, cable and connections. Telectronic.		
27 52 23 00-0002		Wireless Nurses Call System *(27 52 23 00-0001)*		
27 52 23 00-0003	EA	NurseCall Main Unit (Rechargeable Battery Included); NCM2	8,766.55	
27 52 23 00-0004	EA	NurseCall Main Unit (Rechargeable Battery Included) 300+ Transmitters; NCM2S	9,669.48	
27 52 23 00-0005	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 1-5 Units; NCL2	6,228.68	
27 52 23 00-0006	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 6-10 Units; NCL2	5,021.49	
27 52 23 00-0007	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 11-15 Units; NCL2	4,513.76	
27 52 23 00-0008	EA	NurseCall Local Unit (Rechargeable Battery Included), Quantity 16+ Units; NCL2	4,005.92	
27 52 23 00-0009	EA	Resident Bed Station With Relay; N45	1,058.64	
27 52 23 00-0010	EA	Bed Push Button For Use With N45 (9'); RB13-9	510.05	
27 52 23 00-0011	EA	Pull Cord Replacement For S35; S35PC	33.54	
27 52 23 00-0012	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Auto Supervision; S35S	743.95	
27 52 23 00-0013	EA	Wall Mount Pull-Cord Transmitter/Mounting Hardware - Assist Tone; S35A	743.95	
27 52 23 00-0014	EA	Remote Reset Button; S35R	721.70	
27 52 23 00-0015	EA	Waterproof Wrist Transmitter (Automatic Supervision); S37	506.87	
27 52 23 00-0016	EA	Wrist Band Replacement For S37; S37WB	43.08	
27 52 23 00-0017	EA	Locate 1 Waterproof Wrist Transceiver; S37L	624.48	
27 52 23 00-0018	EA	Locate 1 Beacon; IS75	1,993.82	
27 52 23 00-0019	EA	Wireless Smoke Detector Transmitter; SD35	1,262.82	
27 52 23 00-0020	EA	Wireless Door Contact Transmitter; RAC35	973.55	
27 52 23 00-0021	EA	Wireless Time Controlled Door Contact; RAC45	973.55	
27 52 23 00-0022	EA	Local Receiver With Relay (110 Volt AC); LE9	1,215.14	
27 52 23 00-0023	EA	Voice Response Unit (Rechargeable Battery Included); S10	2,065.33	
27 52 23 00-0024	EA	Alarm Receiving Unit (Rechargeable Battery Included); ARU	4,126.05	
27 52 23 00-0025	EA	NurseCall Programming Software; NPS	11,735.72	
27 52 23 00-0026	EA	NurseCall Printer Interface; NCPI	3,967.01	
27 52 23 00-0027	EA	NurseCall Computer Center (Includes NurseCall Software, PC, Monitor, Printer And UPS); NCCN	20,763.23	
27 52 23 00-0028	EA	9V NiMH Rechargeable Battery (Replacement For S10, NCM2, And NCL2); NMH9R	90.04	
27 52 23 00-0029	EA	6V Lithium Battery (Replacement For S35 And RAC35); LIT6	80.50	
27 52 23 00-0030	EA	9V Alkaline Battery (Replacement For N45); ALK9	36.00	
27 52 23 00-0031	EA	Giant LED Single Sided Display; NCGD	20,537.57	
27 52 23 00-0032	EA	Serial Printer; NCSP	2,115.82	
27 52 23 00-0033	EA	Modular Duplex T-Adapter (Replacement For S10); SE-486A	39.90	
27 52 23 00-0034	EA	AC Adapter (Replacement For S10); STA-4110A	78.04	
27 52 23 00-0035	EA	S10 Phone Cord (Replacement For S10); STC	39.90	
27 52 23 00-0036	EA	Waveware Paging System, Use With NCCN (Dell Computer); SPS-5	9,027.47	
27 52 23 00-0037	EA	Waveware Pagers; DAP-040	1,273.85	
27 52 23 00-0038		Wireless Nurses Call Tele/Management System *(27 52 23 00-0001)*		
27 52 23 00-0039	EA	Tele/Management Unit; TP12	4,783.50	
27 52 23 00-0040	EA	Tele/Management Software; TP12S	4,793.39	
27 52 23 00-0041		Wireless Nurses Call Paging System *(27 52 23 00-0001)*		
27 52 23 00-0042	EA	Standard Paging System (2.5 Watt Transmitter); RPE673	14,442.74	
27 52 23 00-0043	EA	Removal And Replacement Of Antenna For RPE673; RPE673AN	1,015.52	
27 52 23 00-0044	EA	Removal And Replacement Of Power For RPE673; RPE673PS	1,377.89	
27 52 23 00-0045	EA	Alphanumeric Pager; RPR583	1,692.58	
27 52 23 00-0046	EA	Removal And Replacement Of Holster For RPR583; RPR583H	89.30	
27 52 23 00-0047		Wireless Nurses Call System (Fisher-Berkley) *(27 52 23 00-0001)*		
		Note: Repair Parts: Alco Sales		
27 52 23 00-0048	EA	Staff Station (Fisher-Berkley AL-59900R)	928.53	
27 52 23 00-0049	EA	Area Central Module (Fisher-Berkley AL-59901R)	727.85	
27 52 23 00-0050	EA	Dual Patient (Fisher-Berkley AL-59902R)	861.75	
27 52 23 00-0051	EA	Code Blue (Fisher-Berkley AL-59903R)	460.27	
27 52 23 00-0052	EA	Bath Emergency Station (Fisher-Berkley AL-59904R)	750.15	
27 52 23 00-0053	EA	Single Station With Sidecoom (Fisher-Berkley AL-59905R)	995.42	
27 52 23 00-0054	EA	Dual Station With Sidecom (Fisher-Berkley AL-59906R)	1,341.70	
27 52 23 00-0055	EA	Single Patient Station (Fisher-Berkley AL-59907R)	504.87	
27 52 23 00-0056	EA	Duty Station (Fisher-Berkley AL-59908R)	549.46	
27 52 23 00-0057	EA	Master Station (Fisher-Berkley AL-59909R)	7,610.06	
27 52 23 00-0058	EA	Station In/Out Board (Fisher-Berkley AL-59910R)	3,706.60	
27 52 23 00-0059	EA	Power Supply (Fisher-Berkley AL-59911R)	3,903.35	
27 52 23 00-0060	EA	Pillow Speaker (Fisher-Berkley AL-59913R)	683.25	
27 52 23 00-0061	EA	Staff Presence Station (Fisher-Berkley AL-59914R)	504.87	
27 52 23 00-0062	EA	HB System Patient Station (Fisher-Berkley AL-59915R)	571.76	
27 52 23 00-0063	EA	HB System Staff Station (Fisher-Berkley AL-59916R)	527.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 52 23 00-0064	EA	Station In/Out Board Expdr (Fisher-Berkley AL-59917R)	3,070.45	
27 52 23 00-0065	EA	Master In/Out Board (Fisher-Berkley AL-59918R)	2,490.70	
27 52 23 00-0066	EA	MMC Central Processor Unit (Fisher-Berkley AL-59919R)	3,061.53	

27 52 23 00-0067 Equipment Nurses Call Systems *(27 52 23)*

27 52 23 00-0068	EA	Nurses Call System, Page/Talk Relay Intercommunication Equipment	293.02	58.66
27 52 23 00-0069	EA	Nurses Call System, Main Equipment Panel Intercommunication Equipment	3,313.36	234.63
27 52 23 00-0070	EA	Nurses Call System, Re-Entrant Horn Intercommunication Equipment	302.83	76.70
27 52 23 00-0071	EA	Nurses Call System, Nurses Control Station Intercommunication Equipment	1,447.84	225.60
27 52 23 00-0072	EA	Nurses Call System, Duty Station Intercommunication Equipment	753.58	175.97
27 52 23 00-0073	EA	Nurses Call System, Staff Station Intercommunication Equipment	409.94	58.66
27 52 23 00-0074	EA	Nurses Call System, Single Bedside Station Intercommunication Equipment	386.84	58.66
27 52 23 00-0075	EA	Nurses Call System, Double Bedside Station Intercommunication Equipment	585.31	102.64
27 52 23 00-0076	EA	Nurses Call System, Emergency Call Button Intercommunication Equipment	168.97	45.12
27 52 23 00-0077	EA	Nurses Call System, Pull Cord Button Intercommunication Equipment	154.10	45.12
27 52 23 00-0078	EA	Nurses Call System, Single Dome Light Intercommunication Equipment	112.68	29.33
27 52 23 00-0079	EA	Nurses Call System, Double Dome Light Intercommunication Equipment	162.62	45.12
27 52 23 00-0080	EA	Nurses Call System, Pillow Speaker Intercommunication Equipment	266.18	29.33
27 52 23 00-0081	EA	Nurses Call System, Cord Set Intercommunication Equipment	123.88	29.33
27 52 23 00-0082	EA	Nurse Call System, Master-20 Station	6,856.82	225.60
27 52 23 00-0083	EA	Dukane Duty Station - Tone Only, PC1000	1,063.07	176.08

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 13 Wireless Clock Systems *(27 53 13)*

27 53 13 13-0001 Wireless Synchronized GPS Clock System (Sapling) *(27 53 13 13)*

27 53 13 13-0002 Master Clock (Sapling SMA 2000 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,473.33	84.60
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,961.81	84.60
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,809.74	84.60
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,298.22	84.60
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,343.40	

27 53 13 13-0008 Wireless Repeaters (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	2,060.90	56.40
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,310.95	56.40

27 53 13 13-0011 Wireless Round Analog Clocks (Sapling SAL-4 Series) *(27 53 13 13-0001)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0)	441.42	28.20
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	275.72	28.20
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0)	529.43	28.20
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	312.27	28.20

27 53 13 13-0016 Wireless GPS Accesories (Sapling) *(27 53 13 13-0001)*

27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	81.90	22.56
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	118.67	22.56
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	1,064.11	49.35
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,896.28	70.50
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	669.51	5.64

27 53 13 13-0022 2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) *(27 53 13 13)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Mininum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Mininum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.

27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R)	1,397.72	84.60

Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,430.20	84.60
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,717.66	84.60
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,750.13	84.60
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	184.75	22.56
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	184.75	22.56
27 53 13 13-0029	EA	Set-up Charge For Clock Message, Per Clock (Sapling CLK-MSG-SETUP)	33.43	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	268.93	2.82
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	537.87	5.64
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	97.58	2.82
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	19.52	0.56
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	121.61	5.64

27 53 13 13-0035 2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) *(27 53 13 13)*

Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.

27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	7,028.85	84.60
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,682.84	84.60
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	3,096.78	56.40
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1	1,771.54	56.40
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,343.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	1,654.98	

27 53 13 13-0042 Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) *(27 53 13 13)*

Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant betwen the cover and wall is recommended.

27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	449.47	14.10
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	449.47	14.10

27 53 13 13-0045 Wire Guards For Wireless Synchronized Clocks (Sapling) *(27 53 13 13)*

27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	247.03	14.10
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	345.70	14.10

27 53 13 13-0048 Wireless Synchronized Clock Transmitters *(27 53 13 13)*

27 53 13 13-0049 Analog, Wireless Synchronized Clocks (Primex Traditional Series) *(27 53 13 13-0048)*

27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	327.44	28.20
		For >250, Deduct	*-68.07*	
		For >100 To 250, Deduct	*-57.23*	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	598.48	28.20
		For >250, Deduct	*-46.39*	
		For >100 To 250, Deduct	*-38.25*	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	383.52	28.20
		For >250, Deduct	*-80.41*	
		For >100 To 250, Deduct	*-67.32*	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	374.17	28.20
		For >250, Deduct	*-78.35*	
		For >100 To 250, Deduct	*-65.64*	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock	691.94	28.20
		For >250, Deduct	*-52.93*	
		For >100 To 250, Deduct	*-43.40*	
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	430.25	28.20
		For >250, Deduct	*-64.52*	
		For >100 To 250, Deduct	*-49.56*	

27 53 13 13-0056 Digital, Wireless Synchronized Clocks (Primex Digital Series) *(27 53 13 13-0048)*

27 53 13 13-0057 4-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*

27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	486.32	28.20
		For Green LED, Add	*42.99*	
		For >100 To 250, Deduct	*-42.83*	
		For >250, Deduct	*-64.33*	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	916.25	28.20
		For Green LED, Add	*85.99*	
		For >100 To 250, Deduct	*-94.43*	
		For >250, Deduct	*-240.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	542.40	28.20
		For Green LED, Add	*48.60*	
		For >250, Deduct	*-44.89*	
		For >100 To 250, Deduct	*-30.31*	
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	1,028.40	28.20
		For Green LED, Add	*97.20*	
		For >100 To 250, Deduct	*-86.20*	
		For >250, Deduct	*-270.88*	

27 53 13 13-0062 6-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*

27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	542.40	28.20
		For Green LED, Add	*48.60*	
		For >100 To 250, Deduct	*-35.17*	
		For >250, Deduct	*-50.72*	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	1,028.40	28.20
		For Green LED, Add	*97.20*	
		For >250, Deduct	*-183.40*	
		For >100 To 250, Deduct	*-77.45*	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock	635.86	28.20
		For Green LED, Add	*57.95*	
		For >100 To 250, Deduct	*-28.72*	
		For >250, Deduct	*-43.21*	

27 53 13 13-0066 Wire Guards For Wireless Synchronized Clocks *(27 53 13 13-0048)*

27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	168.39	14.10
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	74.93	14.10
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	84.28	14.10

27 53 13 13-0070 Wireless Synchronized Clock Transmitters *(27 53 13 13-0048)*

Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.

27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)	3,711.39	84.60
		For Roof Mounted GPS Receiver, Add	*523.02*	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	6,057.27	84.60
		For Roof Mounted GPS Receiver, Add	*757.61*	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	3,654.99	56.40

27 53 13 13-0074 Accessories For Wireless Synchronized Clock Transmitters *(27 53 13 13-0048)*

27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	325.50	22.56
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	142.32	22.56
27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	220.63	11.28
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	181.64	28.20
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	252.83	42.30
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	374.49	56.40

27 53 13 16 Wired Clock Systems *(27 53 13)*

27 53 13 16-0001 Wired Self-Corrective Clock Systems *(27 53 13 16)*

27 53 13 16-0002 Wired Self-Corrective Clocks *(27 53 13 16-0001)*

27 53 13 16-0003 Analog, Wired Self-Corrective Clocks (Telecor) *(27 53 13 16-0002)*

27 53 13 16-0004 24 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	277.90	28.20
		For >100, Deduct	*-26.16*	
		For >50 To 100, Deduct	*-17.30*	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	673.25	28.20
		For >100, Deduct	*-57.79*	
		For >50 To 100, Deduct	*-33.11*	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	350.80	28.20
		For >50 To 100, Deduct	*-23.16*	
		For >100, Deduct	*-34.94*	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	891.95	28.20
		For >50 To 100, Deduct	*-92.00*	
		For >100, Deduct	*-125.42*	

27 53 13 16-0009 120 Volt AC, Analog, Wired Self-Corrective Clocks *(27 53 13 16-0003)*

27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	277.90	28.20
		For >100, Deduct	*-26.16*	
		For >50 To 100, Deduct	*-17.30*	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	673.25	28.20
		For >100, Deduct	*-57.79*	
		For >50 To 100, Deduct	*-33.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	350.80	28.20
		For >50 To 100, Deduct	*-23.16*	
		For >100, Deduct	*-34.94*	
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	891.95	28.20
		For >50 To 100, Deduct	*-92.00*	
		For >100, Deduct	*-125.42*	
27 53 13 16-0014		**Accessories For Analog Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	231.48	14.10
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	56.24	14.10
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	72.37	14.10
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	89.19	14.10
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	160.85	22.56
27 53 13 16-0020		**Digital, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0021		**24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	345.20	28.20
		For >50 To 100, Deduct	*-17.33*	
		For Surface Mount, Add	*57.76*	
		For >100, Deduct	*-28.88*	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	535.86	28.20
		For >50 To 100, Deduct	*-28.77*	
		For Surface Mount, Add	*95.89*	
		For >100, Deduct	*-47.95*	
27 53 13 16-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	345.20	28.20
		For >50 To 100, Deduct	*-17.33*	
		For Surface Mount, Add	*57.76*	
		For >100, Deduct	*-28.88*	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	535.86	28.20
		For >50 To 100, Deduct	*-28.77*	
		For Surface Mount, Add	*95.89*	
		For >100, Deduct	*-47.95*	
27 53 13 16-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	294.04	28.20
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-23.76*	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	489.59	28.20
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-43.32*	
27 53 13 16-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	294.04	28.20
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-23.76*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	489.59	28.20
		For >50 To 100, Deduct	*-25.99*	
		For >100, Deduct	*-43.32*	
27 53 13 16-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	317.00	14.10
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	73.06	14.10
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	102.50	14.10
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	276.34	14.10
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	75.17	14.10
27 53 13 16-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	3,249.44	225.60
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,459.73	225.60
27 53 13 16-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	325.20	56.40
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	369.35	56.40
27 53 13 16-0046		**Other Clock And Program Systems** *(27 53 13 16)*		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	2,066.93	112.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,467.11	225.60
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	290.11	56.40
27 53 13 16-0050	EA	Combination Clock And Speaker	653.98	141.00

END OF SECTION 27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 08 Commissioning of Electronic Safety and Security *(28)*

See CSI section 01 91 13 00-0001 for commissioning.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Security Door (Vindicator #192-30894-00)	1,635.73	235.19
28 15 11 13-0003	EA	Security Detector, Passive Infrared (Vindicator #316-30812-00)	2,069.72	305.69
28 15 11 13-0004	EA	Premise Security Control Unit (Vindicator #548-32004-01)	11,924.48	670.03
28 15 11 13-0005	EA	Access Manager Security Key Pad (Vindicator #548-31894-01)	5,673.66	571.00
28 15 11 13-0006	EA	ALS Duress Security Switch (Vindicator #192-30810-00)	1,286.59	312.34

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	156.79	28.20
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	165.16	28.20
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	213.26	28.20

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	201.41	28.20
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	1,003.02	84.60
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	338.76	28.20

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	228.95	28.20

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	342.87	56.40
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	564.57	56.40
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	564.57	56.40
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	882.48	56.40

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	328.30	28.20
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,375.94	112.80
		For Flush Mount, Add	*258.83*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,676.04	126.90
		For Flush Mount, Add	*320.00*	
28 16 11 00-0027		RF Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand-Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	790.31	112.80
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	903.25	112.80
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,012.01	112.80
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,129.14	112.80
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,237.90	112.80
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,355.02	112.80
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,463.78	112.80
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	71.11	
		For >40 To 110, Deduct	*-3.56*	
		For >110, Deduct	*-7.11*	
		For Built In Proximity Tags, Add	*14.22*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	75.29	
		For >40 To 110, Deduct	*-3.76*	
		For >110, Deduct	*-7.53*	
		For Built In Proximity Tags, Add	*15.06*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	79.48	
		For >40 To 110, Deduct	*-3.97*	
		For >110, Deduct	*-7.95*	
		For Built In Proximity Tags, Add	*15.90*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	269.59	84.60
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 20' of coax cable.	587.50	84.60
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	528.94	84.60
28 16 11 00-0045		Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,585.09	112.80
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,731.50	112.80
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	2,066.14	112.80
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	915.80	112.80
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,152.01	112.80
28 16 11 00-0061		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	150.52	28.20
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	151.66	22.56
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)* Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	11.13	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	18.35	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	19.33	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150) Note: Battery powered tag to boost signal.	109.32	
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200) Note: Battery powered tag to boost signal.	142.50	
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	504.54	141.00
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	504.54	141.00
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	504.54	141.00
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	1,546.95	141.00
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	9.37	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	14.64	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	15.62	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	54.66	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	54.66	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400) Note: For mullion mounting.	633.38	141.00
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800) Note: For mullion mounting.	914.48	141.00
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820) Note: For single gang electrical box mounting.	914.48	141.00
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824) Note: Includes 12 Volt DC regulated power supply.	1,550.86	141.00
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) Note: Includes mounting bracket and 12 Volt DC regulated power supply.	9,187.43	141.00
28 16 11 00-0091		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0092		HID, Proximity Cards *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	19.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	26.81	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	27.59	
28 16 11 00-0096		**HID, Proximity Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)	542.24	141.00
		Note: For mullion mounting. (HID P/N 6005).		
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)	647.39	141.00
		Note: For single gang electrical box mounting. (HID P/N 5395).		
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)	726.25	141.00
		Note: For mullion mounting. (HID P/N 5365).		
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control	939.17	141.00
		Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.		
28 16 11 00-0101		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0102		**HID, Contactless Smart Cards** *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	17.18	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	18.75	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	24.54	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card	13.28	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0107		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)	591.82	141.00
		Note: For mullion mounting.		
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)	849.50	141.00
		Note: For mullion mounting.		
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)	1,429.27	141.00
		Note: For mullion mounting.		
28 16 11 00-0111		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)	4,690.10	141.00
		Note: For mullion mounting.		
28 16 11 00-0113		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
		Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls	1,787.90	141.00
		Note: For mullion mounting.		
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls	1,474.17	141.00
		Note: For mullion mounting.		
28 16 11 00-0116		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	7,185.55	112.80
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,784.89	112.80
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,440.36	112.80
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,357.56	112.80
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,633.64	112.80
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,357.56	112.80
28 16 11 00-0123		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)*		
		Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	543.49	47.96
		Note: Includes a 5" x 5" base plate.		
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,037.09	47.96
		Note: Includes an 8" x 8" base plate.		
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls	493.29	47.96
		Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0128		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	976.80	57.54
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,160.85	57.54
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	721.63	57.54
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	3,134.74	71.93
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	3,281.15	71.93
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,377.86	23.98
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	2,172.64	71.93
28 16 11 00-0137		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	670.78	
28 16 11 00-0139	EA	7 Amperes, 12 Volt, Battery	90.89	
28 16 11 00-0140	EA	18 Amperes, 12 Volt, Battery	202.60	
28 16 11 00-0141	EA	Door Personality Module (Sensormatic RM-4)	732.33	28.20
28 16 11 00-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	285.65	56.40
28 16 11 00-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	81.09	33.84
28 16 11 00-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	820.55	22.56
28 16 11 00-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	123.01	5.65
28 16 11 00-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	79.60	22.56
28 16 11 00-0147	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	474.11	
28 16 11 00-0148	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	689.94	141.00
28 16 11 00-0149		**Access Controllers** *(28 16 11)*		
28 16 11 00-0150		**Microterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,858.63	141.00
28 16 11 00-0152	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,359.12	84.60
28 16 11 00-0153	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	656.19	
28 16 11 00-0154		**Miniterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0155	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,941.05	141.00
28 16 11 00-0156	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,243.83	84.60
28 16 11 00-0157		**Super-2 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0158	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,162.84	141.00
28 16 11 00-0159	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,500.06	84.60
28 16 11 00-0160	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	398.22	84.60
28 16 11 00-0161		**Smarterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0162	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,226.68	169.20
28 16 11 00-0163	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,822.63	84.60
28 16 11 00-0164	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,862.14	84.60
28 16 11 00-0165	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,657.34	84.60
28 16 11 00-0166	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	2,061.48	84.60
28 16 11 00-0167	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	2,061.48	84.60
28 16 11 00-0168		**Superterm-4 Controller** *(28 16 11 00-0149)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,741.43	169.20
28 16 11 00-0170	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,741.06	84.60
28 16 11 00-0171		**Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0172	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,618.53	282.00
28 16 11 00-0173	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,281.19	282.00
28 16 11 00-0174	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,392.57	84.60
28 16 11 00-0175		**Turbo Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0176	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,741.43	169.20
28 16 11 00-0177	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,741.06	84.60
28 16 11 00-0178		**Turbo Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,618.53	282.00
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,281.19	282.00
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,392.57	84.60
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,657.34	84.60
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,233.22	84.60
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	2,063.62	84.60
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	2,063.62	84.60
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	849.98	
28 16 11 00-0187		**Intelligent Controller** *(28 16 11 00-0149)*		
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,472.57	84.60
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,526.60	141.00
28 16 11 00-0190	EA	Single Door Access Control Smart Kit (Keyscan LUNA SDACSKT)	1,957.05	84.60
28 16 11 00-0191		**Access Control Bundled System** *(28 16 11)*		
28 16 11 00-0192	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	41,928.03	
28 16 11 00-0193		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0194		**Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0195		**300 Lb. Magnetic Door Locks** *(28 16 11 00-0194)*		
28 16 11 00-0196	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	723.38	112.80
28 16 11 00-0197		**600 Lb. Magnetic Door Locks** *(28 16 11 00-0194)*		
28 16 11 00-0198	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,068.48	112.80
		For LED Status Indicator And Signal Relay, Add	*105.36*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*210.72*	
		For Mortise Mount, Deduct	*-168.58*	
28 16 11 00-0199	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,635.29	112.80
		For LED Status Indicator And Signal Relay, Add	*176.21*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*352.42*	
28 16 11 00-0200		**1,200 Lb. Magnetic Door Locks** *(28 16 11 00-0194)*		
28 16 11 00-0201	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	1,120.77	112.80
		For LED Status Indicator And Signal Relay, Add	*205.89*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*268.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,748.23	112.80
		For LED Status Indicator And Signal Relay, Add	*350.20*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*456.79*	
28 16 11 00-0203		2,000 Lb. Shear Lock, Magnetic And Mechanical Locks *(28 16 11 00-0194)*		
		Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0204	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,177.24	112.80
28 16 11 00-0205		Magnetic Gate Locks *(28 16 11 00-0193)*		
28 16 11 00-0206		600 Lb. Magnetic Gate Locks *(28 16 11 00-0205)*		
28 16 11 00-0207	EA	600 Lb. Magnetic Gate Lock	861.42	112.80
28 16 11 00-0208		1,200 Lb. Magnetic Gate Locks *(28 16 11 00-0205)*		
28 16 11 00-0209	EA	1,200 Lb. Magnetic Gate Lock	1,051.75	112.80
		For LED Status Indicator And Signal Relay, Add	*103.27*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*206.54*	
		For Mortise Mount, Deduct	*-165.23*	
28 16 11 00-0210		Magnetic Lock Power Supply And Chargers *(28 16 11 00-0193)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0211	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	617.92	112.80
28 16 11 00-0212	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	807.55	112.80
28 16 11 00-0213	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	919.10	112.80
28 16 11 00-0214	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,175.66	112.80
28 16 11 00-0215		Master Door Buzzer Stations *(28 16 11)*		
28 16 11 00-0216		Master Stations *(28 16 11 00-0215)*		
28 16 11 00-0217	EA	Master Stations, 5 Station Intercommunication Equipment	1,192.02	175.97
28 16 11 00-0218	EA	Master Stations, 10 Station Intercommunication Equipment	1,763.28	340.66
28 16 11 00-0219	EA	Master Station, Desk Style Remote Intercommunication Equipment	507.87	87.99
28 16 11 00-0220	EA	Master Station, Flush Wall Remote Intercommunication Equipment	637.35	146.64
28 16 11 00-0221	EA	Sound System Outlet, Protector	156.39	57.42
28 16 11 00-0222	EA	Sound System Microphone Outlet	267.31	117.54
28 16 11 00-0223	EA	Ceiling Or Wall, Sound System Speaker	216.42	57.42
28 16 11 00-0224	EA	Sound System Monitor Panel	650.67	117.54
28 16 11 00-0225	EA	Sound System Volume Control	184.07	57.42
28 16 11 00-0226	EA	250 Watt, Sound System Amplifier	3,037.23	470.04
28 16 11 00-0227	EA	Sound System Cabinet	1,702.06	470.04
28 16 11 00-0228		Master Door Stations *(28 16 11 00-0215)*		
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,457.27	
		For Intercom Type Master Door Station, Add	*230.60*	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 50 Station	4,065.21	
		For Intercom Type Master Door Station, Add	*373.56*	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 75 Station	5,563.74	
		For Intercom Type Master Door Station, Add	*484.25*	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 100 Station	6,367.07	
		For Intercom Type Master Door Station, Add	*567.26*	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 150 Station	7,802.86	
		For Intercom Type Master Door Station, Add	*830.14*	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 200 Station	9,206.55	
		For Intercom Type Master Door Station, Add	*1,069.96*	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 250 Station	11,609.43	
		For Intercom Type Master Door Station, Add	*1,383.57*	
28 16 11 00-0236	EA	Master Door Stations, Button Buzzer Type, 300 Station	13,833.78	
		For Intercom Type Master Door Station, Add	*1,586.49*	
28 16 11 00-0237	EA	Transformer	172.75	
28 16 11 00-0238	EA	Door Opener	255.25	
28 16 11 00-0239	EA	Buzzer With Door Release And Plate	311.69	
28 16 11 00-0240	EA	Amplifier For Intercom Type Unit	538.12	
28 16 11 00-0241	EA	Speaker With Door Release	222.72	

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001	EA	Handheld Scanner (Garrett Super Scanner V)	286.74	28.20
28 18 11 00-0002	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,670.17	338.40
28 18 11 00-0003	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	7,235.51	451.20

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 21 Surveillance Cameras *(28 20)*

28 21 31 Proprietary Surveillance Camera Systems *(28 21)*

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001 Closed Circuit Television And Surveillance Systems *(28 21 31)*

28 21 31 00-0002 Cameras And Accessories *(28 21 31 00-0001)*

28 21 31 00-0003 Cameras *(28 21 31 00-0002)*

28 21 31 00-0004 General Use Video Camera *(28 21 31 00-0003)*

28 21 31 00-0005	EA	Video Dome Spectra III, CIR/BW 23x Heavy-Duty, Pendant Note: Environmental clear bubble.	5,156.30	221.93
28 21 31 00-0006	EA	Ipak Enclosed Dust Tight Color Camera, Standard Resolution Lens Note: 3.5-8mm AI shields, wall mount.	899.45	111.09
28 21 31 00-0007	EA	Esprit Image Pak PTZ Camera	4,669.93	222.18
28 21 31 00-0008	EA	UF-LED 30 Degree, 850mm (252 LEDs) Includes Power Supply, 120 Volt AC	1,973.36	111.09
28 21 31 00-0009	EA	Toshiba Surveillix 8 Camera, 1 TB (Terabytes) Network Video Recorder (NVR) - Toshiba NVR8-1000	7,863.32	221.93

28 21 31 00-0010 Camera Power Supply *(28 21 31 00-0003)*

28 21 31 00-0011	EA	100 VA Outdoor Power Supply	364.45	55.54
28 21 31 00-0012	EA	Surge Protector, Isolated Coax Protector For CCTV	143.42	27.42
28 21 31 00-0013	EA	Altronics Power Supply With 8 Fused Outputs	605.19	111.09

28 21 31 00-0014 Miscellaneous Accessories *(28 21 31 00-0002)*

28 21 31 00-0015	EA	8 Channel DVR NTSC/PAL 250 GB With CD-RW	15,091.44	198.35
28 21 31 00-0016	EA	High Resolution Ethernet Video Server, Encoder, 12 Volt DC	2,195.54	222.18
28 21 31 00-0017	EA	High Resolution Ethernet Video Server, With Audio, Encoder, 12 Volt DC	2,508.26	222.18
28 21 31 00-0018	EA	High Resolution Ethernet Video Server, Decoder, 12 Volt DC	1,795.27	222.18
28 21 31 00-0019	EA	High Resolution Ethernet Video Server, With Audio, Decoder, 12 Volt DC	2,032.93	222.18
28 21 31 00-0020	EA	Outdoor Multi-Band Wireless Ethernet Bridge, 4 Inputs Note: 5.3 or 5.8 GHz.	4,171.84	222.18
28 21 31 00-0021	EA	24 dBi Gain, 5.25-5.85 GHz Band, 9 Degree Beamwidth, Patch Antenna	1,820.30	222.18
28 21 31 00-0022	EA	Extreme IR Illuminator, ZXLED850.20	5,931.35	222.18
28 21 31 00-0023	EA	Extreme IR Illuminator, UFLED850.30	2,723.86	111.09
28 21 31 00-0024	EA	Extreme IR Illuminator, EX26LED850M	1,473.01	111.09
28 21 31 00-0025	EA	Smart Sight Wireless Link	7,477.01	111.09
28 21 31 00-0026	EA	S1000 System Including Transmitter And Receiver	8,950.02	221.93
28 21 31 00-0027	EA	S1600e-R Video Decoder	2,160.13	111.09
28 21 31 00-0028	EA	Pole Mount Adapter	359.33	111.09
28 21 31 00-0029	EA	DVR (Digital Video Recorder) - iSCSI, Bosch DVA 12T-12050RA	30,474.26	
28 21 31 00-0030	EA	Encoder - Bosch Encoder VIPX1	1,665.64	
28 21 31 00-0031	EA	UTP (Unshielded Twisted Pair) Transceiver - Network Video Technologies - NVT NV214A-M	136.42	
28 21 31 00-0032	EA	Active Receiver Distribution Amplifier Hub - Network Video Technologies – NV 1672	6,582.91	

28 21 31 00-0033 Camera Mounting *(28 21 31 00-0002)*

28 21 31 00-0034 Camera Wall Mounts *(28 21 31 00-0033)*

28 21 31 00-0035	EA	Parapet Camera Wall Mount, 1.5" Diameter Pipe	628.47	110.96
28 21 31 00-0036	EA	Spectra Wall Mount, Gray	179.72	55.54
28 21 31 00-0037	EA	Spectra Wall Mount Pole Adapter For SWM-GY	144.59	55.54
28 21 31 00-0038	EA	Wall Mount Bracket For Exterior CCTV	480.60	111.09

28 21 31 00-0039 Control Panels *(28 21 31 00-0002)*

28 21 31 00-0040	EA	CCTV Control Panel With Keyboard And Battery Backup, Up To 7 Cameras	39,733.75	
28 21 31 00-0041	EA	CCTV Control Panel With Keyboard And Battery Backup, 7 To 14 Cameras	47,680.50	
28 21 31 00-0042	EA	CCTV Control Panel With Keyboard And Battery Backup, 15 To 20 Cameras	55,627.25	
28 21 31 00-0043	EA	CCTV Control Panel With Keyboard And Battery Backup, >21 Cameras	63,574.00	

28 21 31 00-0044 Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*

28 21 31 00-0045 Cameras And Accessories *(28 21 31 00-0044)*

28 21 31 00-0046 Cameras *(28 21 31 00-0045)*

28 21 31 00-0047 Compact, 1/3" Format Cameras *(28 21 31 00-0046)*

28 21 31 00-0048 High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0047)*

28 21 31 00-0049	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	685.87	28.25

28 21 31 00-0050 Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0047)*

28 21 31 00-0051	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	400.42	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0052		Camerapaks *(28 21 31 00-0045)* Note: Includes camera and lens.		
28 21 31 00-0053		Camerapaks *(28 21 31 00-0052)*		
28 21 31 00-0054		High Resolution Color, Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0055		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0057	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	524.23	28.25
28 21 31 00-0058	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	492.13	28.25
28 21 31 00-0059	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	477.23	28.25
28 21 31 00-0060	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	473.79	28.25
28 21 31 00-0061		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0062	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	572.38	28.25
28 21 31 00-0063	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	524.23	28.25
28 21 31 00-0064	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	512.77	28.25
28 21 31 00-0065	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	503.60	28.25
28 21 31 00-0066		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0067		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0066)*		
28 21 31 00-0068	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	619.38	28.25
28 21 31 00-0069	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	557.48	28.25
28 21 31 00-0070	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	507.04	28.25
28 21 31 00-0071	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	486.40	28.25
28 21 31 00-0072	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	563.21	28.25
28 21 31 00-0073		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0066)*		
28 21 31 00-0074	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	669.82	28.25
28 21 31 00-0075	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	627.41	28.25
28 21 31 00-0076	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	555.18	28.25
28 21 31 00-0077	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	494.42	28.25
28 21 31 00-0078	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	587.28	28.25
28 21 31 00-0079	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	665.24	28.25
28 21 31 00-0080	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	764.98	28.25
28 21 31 00-0081		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0066)*		
28 21 31 00-0082	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	520.79	28.25
28 21 31 00-0083	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	625.11	28.25
28 21 31 00-0084		High Resolution Day/Night, Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0085		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0084)*		
28 21 31 00-0086		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0085)*		
28 21 31 00-0087	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,065.33	28.25
28 21 31 00-0088	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	993.11	28.25
28 21 31 00-0089	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	932.35	28.25
28 21 31 00-0090	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,025.21	28.25
28 21 31 00-0091	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,103.16	28.25
28 21 31 00-0092	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,201.75	28.25
28 21 31 00-0093		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0085)*		
28 21 31 00-0094	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	958.72	28.25
28 21 31 00-0095	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,063.04	28.25
28 21 31 00-0096		Compact Camerapaks *(28 21 31 00-0052)*		
28 21 31 00-0097		High Resolution Color, Compact Camerapaks *(28 21 31 00-0096)*		
28 21 31 00-0098		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0097)*		
28 21 31 00-0099		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0098)*		
28 21 31 00-0100		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0101	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	823.44	28.25
28 21 31 00-0102	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	791.34	28.25
28 21 31 00-0103	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	775.29	28.25
28 21 31 00-0104	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	771.85	28.25
28 21 31 00-0105		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0106	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	870.44	28.25
28 21 31 00-0107	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	823.44	28.25
28 21 31 00-0108	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	811.98	28.25
28 21 31 00-0109	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	802.81	28.25
28 21 31 00-0110		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0098)*		
28 21 31 00-0111		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0110)*		
28 21 31 00-0112	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	918.59	28.25
28 21 31 00-0113	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	855.54	28.25
28 21 31 00-0114	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	806.25	28.25
28 21 31 00-0115	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	785.61	28.25
28 21 31 00-0116	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	861.27	28.25
28 21 31 00-0117	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	910.57	28.25
28 21 31 00-0118	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	1,027.50	28.25
28 21 31 00-0119		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0110)*		
28 21 31 00-0120	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	967.89	28.25
28 21 31 00-0121	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	926.62	28.25
28 21 31 00-0122	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	854.39	28.25
28 21 31 00-0123	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	792.49	28.25
28 21 31 00-0124	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	886.49	28.25
28 21 31 00-0125	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	964.45	28.25
28 21 31 00-0126	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,063.04	28.25
28 21 31 00-0127		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0110)*		
28 21 31 00-0128	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	820.00	28.25
28 21 31 00-0129	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	924.32	28.25
28 21 31 00-0130		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0097)*		
28 21 31 00-0131		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0130)*		
28 21 31 00-0132		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0131)*		
28 21 31 00-0133	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	823.44	28.25
28 21 31 00-0134	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	612.50	28.25
28 21 31 00-0135	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	596.45	28.25
28 21 31 00-0136	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	593.02	28.25
28 21 31 00-0137		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0131)*		
28 21 31 00-0138	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	691.61	28.25
28 21 31 00-0139	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	644.60	28.25
28 21 31 00-0140	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	633.14	28.25
28 21 31 00-0141	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	633.14	28.25
28 21 31 00-0142		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0130)*		
28 21 31 00-0143		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0142)*		
28 21 31 00-0144	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	739.75	28.25
28 21 31 00-0145	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	676.70	28.25
28 21 31 00-0146	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	627.41	28.25
28 21 31 00-0147	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	606.77	28.25
28 21 31 00-0148	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	682.43	28.25
28 21 31 00-0149	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	731.73	28.25
28 21 31 00-0150	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	848.66	28.25
28 21 31 00-0151		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0142)*		
28 21 31 00-0152	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	789.05	28.25
28 21 31 00-0153	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	747.78	28.25
28 21 31 00-0154	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	674.41	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0155	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	613.65	28.25
28 21 31 00-0156	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	707.66	28.25
28 21 31 00-0157	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	785.61	28.25
28 21 31 00-0158	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	884.20	28.25
28 21 31 00-0159		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0142)*		
28 21 31 00-0160	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	641.16	28.25
28 21 31 00-0161	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	745.49	28.25
28 21 31 00-0162		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0096)*		
28 21 31 00-0163		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0162)*		
28 21 31 00-0164		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0163)*		
28 21 31 00-0165	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	759.24	28.25
28 21 31 00-0166		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0163)*		
28 21 31 00-0167	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	857.83	28.25
28 21 31 00-0168	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	809.68	28.25
28 21 31 00-0169		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0162)*		
28 21 31 00-0170		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0169)*		
28 21 31 00-0171	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	792.49	28.25
28 21 31 00-0172	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	771.85	28.25
28 21 31 00-0173	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	897.96	28.25
28 21 31 00-0174		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0169)*		
28 21 31 00-0175	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	912.86	28.25
28 21 31 00-0176	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	840.64	28.25
28 21 31 00-0177	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	779.88	28.25
28 21 31 00-0178	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	872.74	28.25
28 21 31 00-0179	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	950.69	28.25
28 21 31 00-0180	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,050.43	28.25
28 21 31 00-0181		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0169)*		
28 21 31 00-0182	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	806.25	28.25
28 21 31 00-0183	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	910.57	28.25
28 21 31 00-0184		Camera Systems *(28 21 31 00-0045)*		
28 21 31 00-0185		Camera Dome Systems *(28 21 31 00-0184)*		
28 21 31 00-0186		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0185)*		
28 21 31 00-0187		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0186)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0188		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0187)*		
28 21 31 00-0189		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0188)*		
28 21 31 00-0190	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,351.74	169.50
28 21 31 00-0191	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,821.76	169.50
28 21 31 00-0192	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,032.70	169.50
28 21 31 00-0193	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,610.15	169.50
28 21 31 00-0194		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0188)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0195	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,818.66	169.50
28 21 31 00-0196	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,055.97	169.50
28 21 31 00-0197	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,268.05	169.50
28 21 31 00-0198	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,389.57	169.50
28 21 31 00-0199	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,389.57	169.50
28 21 31 00-0200	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,553.51	169.50
28 21 31 00-0201	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	4,024.68	169.50
28 21 31 00-0202	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,236.76	169.50
28 21 31 00-0203	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,358.28	169.50
28 21 31 00-0204	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,358.28	169.50
28 21 31 00-0205		**Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0188)*		
28 21 31 00-0206	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,141.61	169.50
28 21 31 00-0207	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,612.78	169.50
28 21 31 00-0208	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,824.86	169.50
28 21 31 00-0209	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,946.38	169.50
28 21 31 00-0210	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,946.38	169.50
28 21 31 00-0211		**Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0188)*		
28 21 31 00-0212	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,756.42	169.50
28 21 31 00-0213	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	3,994.87	169.50
28 21 31 00-0214	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,205.81	169.50
28 21 31 00-0215	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,327.33	169.50
28 21 31 00-0216	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,327.33	169.50
28 21 31 00-0217	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,527.95	169.50
28 21 31 00-0218	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,902.82	169.50
28 21 31 00-0219	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,113.76	169.50
28 21 31 00-0220	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,235.27	169.50
28 21 31 00-0221	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,235.27	169.50
28 21 31 00-0222		**Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0187)*		
28 21 31 00-0223		**Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0222)*		
28 21 31 00-0224	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,675.02	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0225	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,879.08	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0226	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,041.87	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0227	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,572.66	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0228	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,776.71	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0229	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	4,940.65	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0230		**Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0222)*		
28 21 31 00-0231	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,612.78	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,816.84	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	4,980.77	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,450.80	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,653.71	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,817.65	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0237		**Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0187)*		
28 21 31 00-0238		**Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0237)*		
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,118.00	169.50
28 21 31 00-0240	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	6,956.02	169.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0241		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0187)*		
28 21 31 00-0242		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0241)*		
28 21 31 00-0243	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,313.23	169.50
28 21 31 00-0244		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0241)*		
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,618.51	169.50
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,517.29	169.50
28 21 31 00-0247		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0241)*		
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	6,105.39	169.50
28 21 31 00-0249		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0241)*		
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,557.41	169.50
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,394.28	169.50
28 21 31 00-0252		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0187)*		
28 21 31 00-0253		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0252)*		
28 21 31 00-0254	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	2,101.02	169.50
28 21 31 00-0255		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0186)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0256		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0255)*		
28 21 31 00-0257		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0256)*		
28 21 31 00-0258	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,912.33	169.50
28 21 31 00-0259	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	4,124.41	169.50
28 21 31 00-0260	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,245.93	169.50
28 21 31 00-0261	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,245.93	169.50
28 21 31 00-0262	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,881.04	169.50
28 21 31 00-0263	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	5,093.12	169.50
28 21 31 00-0264	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,214.64	169.50
28 21 31 00-0265	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,214.64	169.50
28 21 31 00-0266		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0256)*		
28 21 31 00-0267	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,469.14	169.50
28 21 31 00-0268	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,681.22	169.50
28 21 31 00-0269	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,802.74	169.50
28 21 31 00-0270	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,802.74	169.50
28 21 31 00-0271		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0255)*		
28 21 31 00-0272		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0271)*		
28 21 31 00-0273	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,531.38	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0274	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,735.44	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0275	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,898.23	169.50
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0276	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,429.02	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0277	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,633.08	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0278	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,797.01	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0279		**Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0271)*		
28 21 31 00-0280	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,469.14	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0281	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,673.20	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0282	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,837.13	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0283	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,307.16	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0284	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,510.07	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0285	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,674.01	169.50
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0286		**Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems** *(28 21 31 00-0255)*		
28 21 31 00-0287		**Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0286)*		
28 21 31 00-0288	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,474.87	169.50
28 21 31 00-0289	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,373.65	169.50
28 21 31 00-0290		**Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0286)*		
28 21 31 00-0291	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	6,961.75	169.50
28 21 31 00-0292		**Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems** *(28 21 31 00-0286)*		
28 21 31 00-0293	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,413.77	169.50
28 21 31 00-0294	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,250.65	169.50
28 21 31 00-0295		**Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems** *(28 21 31 00-0255)*		
28 21 31 00-0296		**Color, Miniature Spectra® IP Network, Mini Camera Dome Systems** *(28 21 31 00-0295)*		
28 21 31 00-0297	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,653.58	169.50
28 21 31 00-0298		**Spectra®, Pan/Tilt Dome Drives** *(28 21 31 00-0186)*		
		Note: Includes dome drive, camera and lens.		
28 21 31 00-0299	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,958.53	141.25
28 21 31 00-0300	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,508.80	141.25
28 21 31 00-0301	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,188.61	141.25
28 21 31 00-0302	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,493.90	141.25
28 21 31 00-0303	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,391.53	141.25
28 21 31 00-0304	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,431.65	141.25
28 21 31 00-0305	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	3,979.63	141.25
28 21 31 00-0306	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,269.67	141.25
28 21 31 00-0307	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,269.67	141.25
28 21 31 00-0308		**Accessories For Spectra® Pan/Tilt Camera Dome Systems** *(28 21 31 00-0186)*		
28 21 31 00-0309	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0310	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0311	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	170.40	14.13
28 21 31 00-0312	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	437.51	14.13

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0313	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	165.82	14.13
28 21 31 00-0314	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	294.77	14.13
28 21 31 00-0315	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	107.57	8.40
28 21 31 00-0316		Camclosure®, Camera Dome Systems *(28 21 31 00-0185)*		
28 21 31 00-0317		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0316)*		
28 21 31 00-0318		Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0317)*		
28 21 31 00-0319		High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0318)*		
28 21 31 00-0320	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	745.97	169.50
28 21 31 00-0321	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	814.76	169.50
28 21 31 00-0322	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	912.20	169.50
28 21 31 00-0323	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	912.20	169.50
28 21 31 00-0324		Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0318)*		
28 21 31 00-0325	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	924.81	169.50
28 21 31 00-0326	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	1,014.23	169.50
28 21 31 00-0327	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	1,014.23	169.50
28 21 31 00-0328		Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0318)*		
28 21 31 00-0329	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,069.26	169.50
28 21 31 00-0330	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,290.51	169.50
28 21 31 00-0331	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,290.51	169.50
28 21 31 00-0332		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems *(28 21 31 00-0318)*		
28 21 31 00-0333	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,174.73	169.50
28 21 31 00-0334	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,316.88	169.50
28 21 31 00-0335		Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0317)*		
28 21 31 00-0336		High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0335)*		
28 21 31 00-0337	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	849.63	113.00
28 21 31 00-0338		Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0335)*		
28 21 31 00-0339	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	979.17	113.00
28 21 31 00-0340		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0335)*		
28 21 31 00-0341	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,082.35	113.00
28 21 31 00-0342		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0335)*		
28 21 31 00-0343	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,133.94	113.00
28 21 31 00-0344		Camclosure® IS Integrated Cameras *(28 21 31 00-0317)*		
28 21 31 00-0345	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	585.96	113.00
28 21 31 00-0346	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	585.96	113.00
28 21 31 00-0347	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	687.99	113.00
28 21 31 00-0348	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	964.27	113.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0349	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	990.64	113.00
28 21 31 00-0350		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0316)*		
28 21 31 00-0351		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0350)*		
28 21 31 00-0352		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0351)*		
28 21 31 00-0353	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	632.48	169.50
28 21 31 00-0354	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	681.77	169.50
28 21 31 00-0355	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	878.95	169.50
28 21 31 00-0356	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	878.95	169.50
28 21 31 00-0357		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0351)*		
28 21 31 00-0358	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,100.21	169.50
28 21 31 00-0359		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0350)*		
28 21 31 00-0360		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0359)*		
28 21 31 00-0361	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	765.94	113.00
28 21 31 00-0362		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0350)*		
28 21 31 00-0363		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0362)*		
28 21 31 00-0364	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	1,014.23	169.50
28 21 31 00-0365		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0362)*		
28 21 31 00-0366	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,117.41	169.50
28 21 31 00-0367		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0362)*		
28 21 31 00-0368	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,246.95	169.50
28 21 31 00-0369		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0362)*		
28 21 31 00-0370	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,298.54	169.50
28 21 31 00-0371		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0316)*		
28 21 31 00-0372		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0371)*		
28 21 31 00-0373		High Resolution Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0372)*		
28 21 31 00-0374	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,867.15	169.50
28 21 31 00-0375	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,867.15	169.50
28 21 31 00-0376		Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0372)*		
28 21 31 00-0377	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	2,009.30	169.50
28 21 31 00-0378	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	2,009.30	169.50
28 21 31 00-0379		Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0372)*		
28 21 31 00-0380	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,228.27	169.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0381	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,228.27	169.50
28 21 31 00-0382		Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0372)*		
28 21 31 00-0383	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,383.03	169.50
28 21 31 00-0384	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,383.03	169.50
28 21 31 00-0385		Accessories For Camclosure® Camera Dome Systems *(28 21 31 00-0316)*		
28 21 31 00-0386	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	37.59	8.47
28 21 31 00-0387	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	37.59	8.47
28 21 31 00-0388	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	48.89	14.13
28 21 31 00-0389	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	80.98	14.13
28 21 31 00-0390	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	85.73	8.47
28 21 31 00-0391	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	80.98	14.13
28 21 31 00-0392	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	103.91	14.13
28 21 31 00-0393	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	281.19	28.25
28 21 31 00-0394	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	281.19	28.25
28 21 31 00-0395	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	281.19	28.25
28 21 31 00-0396	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	281.19	28.25
28 21 31 00-0397	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	98.18	14.13
28 21 31 00-0398	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	108.09	28.25
28 21 31 00-0399	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	108.09	28.25
28 21 31 00-0400	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	108.09	28.25
28 21 31 00-0401	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	108.09	28.25
28 21 31 00-0402	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	108.09	28.25
28 21 31 00-0403	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	108.09	28.25
28 21 31 00-0404	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	315.98	38.58
28 21 31 00-0405	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	68.37	14.13
28 21 31 00-0406	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	119.96	14.13
28 21 31 00-0407	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	68.37	14.13
28 21 31 00-0408	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	119.96	14.13
28 21 31 00-0409	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,737.61	169.50
28 21 31 00-0410		Pan/Tilt Camera Systems *(28 21 31 00-0184)*		
28 21 31 00-0411		Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0410)* Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0412		EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0411)*		
28 21 31 00-0413		Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0412)*		
28 21 31 00-0414	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	4,994.36	254.25
28 21 31 00-0415	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,683.35	254.25
28 21 31 00-0416	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,638.30	254.25
28 21 31 00-0417	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,142.25	254.25
28 21 31 00-0418	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,862.19	254.25
28 21 31 00-0419	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,817.14	254.25
28 21 31 00-0420		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0412)*		
28 21 31 00-0421	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	5,041.37	254.25
28 21 31 00-0422	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,730.35	254.25
28 21 31 00-0423	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,685.30	254.25
28 21 31 00-0424	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,190.40	254.25
28 21 31 00-0425	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	5,909.19	254.25
28 21 31 00-0426	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,864.14	254.25
28 21 31 00-0427		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0428		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0427)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0429		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0428)*		
28 21 31 00-0430	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	5,173.20	254.25
28 21 31 00-0431	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	5,862.19	254.25
28 21 31 00-0432	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	6,817.14	254.25
28 21 31 00-0433	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,321.09	254.25
28 21 31 00-0434	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	6,041.03	254.25
28 21 31 00-0435	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	6,995.98	254.25
28 21 31 00-0436		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0428)*		
28 21 31 00-0437	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	5,220.20	254.25
28 21 31 00-0438	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	5,909.19	254.25
28 21 31 00-0439	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	6,864.14	254.25
28 21 31 00-0440	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,369.24	254.25
28 21 31 00-0441	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	6,088.03	254.25
28 21 31 00-0442	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	7,042.98	254.25
28 21 31 00-0443		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0444		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0443)*		
28 21 31 00-0445		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0446	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,873.99	254.25
28 21 31 00-0447	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,562.98	254.25
28 21 31 00-0448	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,517.93	254.25
28 21 31 00-0449	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	5,023.02	254.25
28 21 31 00-0450	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,741.82	254.25
28 21 31 00-0451	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,696.77	254.25
28 21 31 00-0452		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0453	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,922.14	254.25
28 21 31 00-0454	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,609.98	254.25
28 21 31 00-0455	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,566.08	254.25
28 21 31 00-0456	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	4,955.39	254.25
28 21 31 00-0457	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,070.03	254.25
28 21 31 00-0458	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,788.82	254.25
28 21 31 00-0459	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,744.92	254.25
28 21 31 00-0460		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0461		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0462		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0461)*		
28 21 31 00-0463	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,848.43	254.25
28 21 31 00-0464	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,803.38	254.25
28 21 31 00-0465	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,308.48	254.25
28 21 31 00-0466	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	6,027.27	254.25
28 21 31 00-0467	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	6,982.22	254.25
28 21 31 00-0468		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0461)*		
28 21 31 00-0469	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	5,207.59	254.25
28 21 31 00-0470	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,895.43	254.25

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28 21 31 00-0471	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,851.53	254.25
28 21 31 00-0472	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,355.48	254.25
28 21 31 00-0473	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	6,074.27	254.25
28 21 31 00-0474	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	7,030.37	254.25
28 21 31 00-0475		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0476		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0475)*		
28 21 31 00-0477		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0476)*		
28 21 31 00-0478	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	6,955.85	254.25
28 21 31 00-0479	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,459.80	254.25
28 21 31 00-0480	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	7,134.69	254.25
28 21 31 00-0481		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0476)*		
28 21 31 00-0482	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,358.92	254.25
28 21 31 00-0483	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	7,004.00	254.25
28 21 31 00-0484	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,507.95	254.25
28 21 31 00-0485	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	6,226.74	254.25
28 21 31 00-0486	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	7,182.84	254.25
28 21 31 00-0487		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0488		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0487)*		
28 21 31 00-0489		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0488)*		
28 21 31 00-0490	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,839.26	254.25
28 21 31 00-0491		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0488)*		
28 21 31 00-0492	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,886.26	254.25
28 21 31 00-0493		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0487)*		
28 21 31 00-0494		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0493)*		
28 21 31 00-0495	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	6,955.85	254.25
28 21 31 00-0496	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,721.99	254.25
28 21 31 00-0497	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,656.30	254.25
28 21 31 00-0498		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0493)*		
28 21 31 00-0499	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	7,001.71	254.25
28 21 31 00-0500	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,721.99	254.25
28 21 31 00-0501	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,707.89	254.25
28 21 31 00-0502		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0503		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0502)*		
28 21 31 00-0504		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0503)*		
28 21 31 00-0505	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,464.73	254.25
28 21 31 00-0506	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,582.47	254.25
28 21 31 00-0507	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,352.04	254.25
28 21 31 00-0508	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,080.00	254.25
28 21 31 00-0509		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0503)*		
28 21 31 00-0510	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,510.58	254.25
28 21 31 00-0511	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,629.47	254.25
28 21 31 00-0512	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,399.04	254.25
28 21 31 00-0513	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,131.59	254.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0514		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0515		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0514)*		
28 21 31 00-0516		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0515)*		
28 21 31 00-0517	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,291.16	254.25
28 21 31 00-0518	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,507.16	254.25
28 21 31 00-0519	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,251.17	254.25
28 21 31 00-0520		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0515)*		
28 21 31 00-0521	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,339.31	254.25
28 21 31 00-0522	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,554.16	254.25
28 21 31 00-0523	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,298.17	254.25
28 21 31 00-0524		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0410)*		
28 21 31 00-0525	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	11.73	2.82
28 21 31 00-0526	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	68.37	14.13
28 21 31 00-0527	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	109.64	14.13
28 21 31 00-0528	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	140.60	14.13
28 21 31 00-0529	EA	Ground Isolation Transformer (Pelco GIT100)	396.23	38.58
28 21 31 00-0530	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	558.99	38.58
28 21 31 00-0531	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	479.92	38.58
28 21 31 00-0532	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	651.63	38.58
28 21 31 00-0533	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	365.28	38.58
28 21 31 00-0534	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	940.90	38.58
28 21 31 00-0535	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,558.68	38.58
28 21 31 00-0536	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,857.89	38.58
28 21 31 00-0537	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,925.53	38.58
28 21 31 00-0538	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,032.14	38.58
28 21 31 00-0539	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,429.51	38.59
28 21 31 00-0540	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,458.53	38.58
28 21 31 00-0541	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,486.39	38.58
28 21 31 00-0542	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,428.59	38.58
28 21 31 00-0543	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,607.43	38.58
28 21 31 00-0544	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	108.67	9.09
28 21 31 00-0545	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	108.67	9.09
28 21 31 00-0546		Camera Lenses *(28 21 31 00-0045)*		
28 21 31 00-0547		Fixed Focus Camera Lenses *(28 21 31 00-0546)* Note: 1/3" format and manual focus.		
28 21 31 00-0548		Manual Iris, Fixed Focus Camera Lenses *(28 21 31 00-0547)*		
28 21 31 00-0549	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	176.84	13.25
28 21 31 00-0550	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	144.74	13.25
28 21 31 00-0551	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	128.69	13.25
28 21 31 00-0552	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	125.25	13.25
28 21 31 00-0553		Direct Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0547)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0554	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	223.84	13.25
28 21 31 00-0555	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	176.84	13.25
28 21 31 00-0556	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	165.38	13.25
28 21 31 00-0557	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	114.94	13.25
28 21 31 00-0558		Video Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0547)* Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0559	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	266.26	13.25
28 21 31 00-0560	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	218.11	13.25
28 21 31 00-0561	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	206.65	13.25
28 21 31 00-0562	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	197.48	13.25
28 21 31 00-0563		Varifocal Camera Lenses *(28 21 31 00-0546)* Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0564		Manual Iris, Varifocal Camera Lenses *(28 21 31 00-0563)*		
28 21 31 00-0565	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	235.04	13.25
28 21 31 00-0566	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	208.94	13.25
28 21 31 00-0567	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	159.65	13.25
28 21 31 00-0568	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	139.01	13.25
28 21 31 00-0569	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	380.90	13.25
28 21 31 00-0570	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	181.41	13.25
28 21 31 00-0571	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	193.60	13.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0572		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0563)*		
		Note: Includes spot filter.		
28 21 31 00-0573	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	230.98	13.25
28 21 31 00-0574	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	203.35	13.25
28 21 31 00-0575	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	154.60	13.25
28 21 31 00-0576	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	113.97	13.25
28 21 31 00-0577	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	416.44	13.25
28 21 31 00-0578	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	228.54	13.25
28 21 31 00-0579		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0563)*		
		Note: Includes spot filter.		
28 21 31 00-0580	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	363.70	13.25
28 21 31 00-0581	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	321.29	13.25
28 21 31 00-0582	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	188.31	13.25
28 21 31 00-0583	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	359.12	13.25
28 21 31 00-0584		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0563)*		
28 21 31 00-0585	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	132.66	13.25
28 21 31 00-0586	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	201.73	13.25
28 21 31 00-0587		**Motorized Zoom Camera Lenses** *(28 21 31 00-0546)*		
		Note: 1/3" format.		
28 21 31 00-0588		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0587)*		
28 21 31 00-0589	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	669.79	13.25
28 21 31 00-0590	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	839.46	13.25
28 21 31 00-0591	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	895.63	13.25
28 21 31 00-0592		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0587)*		
		Note: Includes spot filter.		
28 21 31 00-0593	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	543.82	13.25
28 21 31 00-0594	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	629.13	13.25
28 21 31 00-0595	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	990.79	13.25
28 21 31 00-0596	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,082.54	13.25
28 21 31 00-0597	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,152.69	13.25
28 21 31 00-0598		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0587)*		
		Note: Includes spot filter.		
28 21 31 00-0599	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	686.99	13.25
28 21 31 00-0600	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	819.97	13.25
28 21 31 00-0601	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,033.20	13.25
28 21 31 00-0602	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,508.96	13.25
28 21 31 00-0603	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,463.91	13.25
28 21 31 00-0604		**Camera Power Supplies** *(28 21 31 00-0045)*		
28 21 31 00-0605	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	43.24	11.30
28 21 31 00-0606	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	77.63	11.30
28 21 31 00-0607	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	309.28	22.60
28 21 31 00-0608	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	356.26	33.90
28 21 31 00-0609	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	400.80	45.20
		For Switchable Outputs, Add	*186.24*	
28 21 31 00-0610	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	447.77	56.50
		For Switchable Outputs, Add	*200.86*	
28 21 31 00-0611		**Camera Illuminators** *(28 21 31 00-0045)*		
28 21 31 00-0612		**Camera Illuminators** *(28 21 31 00-0611)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0613	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,801.48	22.60
28 21 31 00-0614	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,801.48	22.60
28 21 31 00-0615	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,801.48	22.60
28 21 31 00-0616		**Camera Illuminator Accessories** *(28 21 31 00-0611)*		
28 21 31 00-0617	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	142.64	22.60
28 21 31 00-0618		**Camera Receivers** *(28 21 31 00-0045)*		
28 21 31 00-0619	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,728.35	38.58
28 21 31 00-0620	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,728.35	38.58
28 21 31 00-0621		**Pan And Tilt Drives** *(28 21 31 00-0045)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0622	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,216.16	84.75
28 21 31 00-0623	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,550.91	84.75
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0624	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,307.20	84.75
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0625	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,782.95	84.75
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0626	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,381.37	84.75
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0627	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,653.88	84.75
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0628		**Scanners** *(28 21 31 00-0045)*		
28 21 31 00-0629	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,391.56	84.75
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0630	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,463.79	84.75
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0631		**Camera Monitors** *(28 21 31 00-0044)*		
28 21 31 00-0632		**Camera Monitors** *(28 21 31 00-0631)*		
28 21 31 00-0633		**Monochrome Camera Monitors** *(28 21 31 00-0632)*		
28 21 31 00-0634	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	271.20	16.95
28 21 31 00-0635	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	311.33	16.95
28 21 31 00-0636	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	481.00	16.95
28 21 31 00-0637	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	777.91	16.95
28 21 31 00-0638		**Color Camera Monitors** *(28 21 31 00-0632)*		
28 21 31 00-0639	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	878.80	16.95
28 21 31 00-0640	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	711.42	16.95
28 21 31 00-0641	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,037.00	16.95
28 21 31 00-0642	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,380.92	16.95
28 21 31 00-0643		**LCD Camera Monitors** *(28 21 31 00-0631)*		
28 21 31 00-0644		**VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)** *(28 21 31 00-0643)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0645	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	994.58	16.95
28 21 31 00-0646	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,297.23	16.95
28 21 31 00-0647		**Multimode, Color LCD Camera Monitors (Pelco 300 Series)** *(28 21 31 00-0643)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0648	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,132.15	16.95
28 21 31 00-0649	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,356.85	16.95
28 21 31 00-0650	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,670.96	16.95
28 21 31 00-0651		**Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)** *(28 21 31 00-0643)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0652	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,455.44	16.95
28 21 31 00-0653	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,689.30	16.95
28 21 31 00-0654	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,121.49	16.95
28 21 31 00-0655		**Camera Monitor Mounting Accessories** *(28 21 31 00-0631)*		
28 21 31 00-0656		**Camera Monitor Mounts** *(28 21 31 00-0655)*		
28 21 31 00-0657	EA	Up To 14", Camera Monitor Mount (Pelco)	331.80	22.60
28 21 31 00-0658	EA	>14" To 17", Camera Monitor Mount (Pelco)	387.97	22.60
28 21 31 00-0659	EA	>17" To 21", Camera Monitor Mount (Pelco)	456.76	22.60
28 21 31 00-0660		**Camera Monitor Rack Mount Kits** *(28 21 31 00-0655)*		
28 21 31 00-0661	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	197.67	22.60
28 21 31 00-0662		**Video Transmission Equipment** *(28 21 31 00-0044)*		
28 21 31 00-0663		**UTP Cable, Video Transmission Equipment** *(28 21 31 00-0662)*		
28 21 31 00-0664		**UTP Cable, Active Video Receivers** *(28 21 31 00-0663)*		
28 21 31 00-0665	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	417.62	28.25
28 21 31 00-0666	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,464.28	28.25
28 21 31 00-0667	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,891.55	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0668	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,756.74	28.25
28 21 31 00-0669	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,555.78	28.25
28 21 31 00-0670		**UTP Cable, Passive Video Transceivers** *(28 21 31 00-0663)*		
28 21 31 00-0671	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	114.97	28.25
28 21 31 00-0672	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	417.62	28.25
28 21 31 00-0673	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	779.88	28.25
28 21 31 00-0674	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,492.94	28.25
28 21 31 00-0675	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,930.52	28.25
28 21 31 00-0676		**UTP Cable, Active Video Transmitters** *(28 21 31 00-0663)*		
28 21 31 00-0677	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	437.10	28.25
28 21 31 00-0678		**Fiber Optics, Video Transmission Equipment** *(28 21 31 00-0662)*		
28 21 31 00-0679		**Data Only, Fiber Optics Transmission Equipment** *(28 21 31 00-0678)*		
28 21 31 00-0680		**Bidirectional Data, Fiber Optics Transmitters** *(28 21 31 00-0679)*		
28 21 31 00-0681	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,575.47	56.50
28 21 31 00-0682	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,041.58	56.50
28 21 31 00-0683	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,877.31	56.50
28 21 31 00-0684	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,289.21	56.50
28 21 31 00-0685		**Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0679)*		
28 21 31 00-0686	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,575.47	56.50
28 21 31 00-0687	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,041.58	56.50
28 21 31 00-0688	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,877.31	56.50
28 21 31 00-0689	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,289.21	56.50
28 21 31 00-0690		**Video Only, Fiber Optics Transmission Equipment** *(28 21 31 00-0678)*		
28 21 31 00-0691		**Digitally Encoded Video, Fiber Optics Transmitters** *(28 21 31 00-0690)*		
28 21 31 00-0692	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,133.30	56.50
28 21 31 00-0693	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	484.43	56.50
28 21 31 00-0694	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,172.74	56.50
28 21 31 00-0695	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,900.24	56.50
28 21 31 00-0696	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,208.75	56.50
28 21 31 00-0697	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,328.31	56.50
28 21 31 00-0698	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,958.41	56.50
28 21 31 00-0699	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,531.14	56.50
28 21 31 00-0700		**Digitally Encoded Video, Fiber Optics Receivers** *(28 21 31 00-0690)*		
28 21 31 00-0701	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,133.30	56.50
28 21 31 00-0702	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	484.43	56.50
28 21 31 00-0703	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,947.24	56.50
28 21 31 00-0704	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	779.06	56.50
28 21 31 00-0705	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,172.74	56.50
28 21 31 00-0706	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,900.24	56.50
28 21 31 00-0707	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,208.75	56.50
28 21 31 00-0708	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,328.31	56.50
28 21 31 00-0709	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,958.41	56.50
28 21 31 00-0710	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,531.14	56.50
28 21 31 00-0711		**Video And Data, Fiber Optics Transmission Equipment** *(28 21 31 00-0678)*		
28 21 31 00-0712		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters** *(28 21 31 00-0711)*		
28 21 31 00-0713	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,966.73	56.50
28 21 31 00-0714	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,165.40	56.50
28 21 31 00-0715	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,602.30	56.50
28 21 31 00-0716	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	3,982.10	56.50
28 21 31 00-0717	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,460.28	56.50
28 21 31 00-0718	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,403.64	56.50
28 21 31 00-0719		**Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers** *(28 21 31 00-0711)*		
28 21 31 00-0720	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,966.73	56.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0721	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,165.40	56.50
28 21 31 00-0722	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,602.30	56.50
28 21 31 00-0723	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	3,982.10	56.50
28 21 31 00-0724	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,460.28	56.50
28 21 31 00-0725	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,403.64	56.50
28 21 31 00-0726		**Video, Audio And Data, Fiber Optics Transmission Equipment** *(28 21 31 00-0678)*		
28 21 31 00-0727		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters** *(28 21 31 00-0726)*		
28 21 31 00-0728	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,538.78	56.50
28 21 31 00-0729	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,016.02	56.50
28 21 31 00-0730		**Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers** *(28 21 31 00-0726)*		
28 21 31 00-0731	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,538.78	56.50
28 21 31 00-0732	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,016.02	56.50
28 21 31 00-0733		**Video Amplifiers** *(28 21 31 00-0662)*		
28 21 31 00-0734		**Video Distribution Amplifiers** *(28 21 31 00-0733)*		
28 21 31 00-0735	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	311.41	14.13
28 21 31 00-0736	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,562.94	14.13
28 21 31 00-0737		**Video Equalizing Amplifiers** *(28 21 31 00-0733)*		
28 21 31 00-0738	EA	Video Equalizing Amplifier (Pelco EA2010)	338.92	14.13
28 21 31 00-0739	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	534.96	14.13
28 21 31 00-0740		**Network Video Equipment** *(28 21 31 00-0044)*		
28 21 31 00-0741		**Video Encoders/Decoders** *(28 21 31 00-0740)*		
28 21 31 00-0742	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,254.81	28.25
28 21 31 00-0743	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,254.81	28.25
28 21 31 00-0744	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,447.41	28.25
28 21 31 00-0745	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,447.41	28.25
28 21 31 00-0746		**Network Video Recorders** *(28 21 31 00-0740)*		
28 21 31 00-0747	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,052.97	56.50
28 21 31 00-0748	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,374.77	56.50
28 21 31 00-0749	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,020.66	56.50
28 21 31 00-0750	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,953.23	56.50
28 21 31 00-0751		**Network Video Recorder Software** *(28 21 31 00-0740)*		
28 21 31 00-0752	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0753	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0754	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0755	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0756	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0757	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0758	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0759	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0760	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0761	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	
28 21 31 00-0762	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,165.18	
28 21 31 00-0763	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,608.84	
28 21 31 00-0764	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,046.55	
28 21 31 00-0765	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,964.22	
28 21 31 00-0766	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,407.88	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0767	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,843.30	
28 21 31 00-0768	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,698.26	
28 21 31 00-0769	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,143.06	
28 21 31 00-0770	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,579.63	
28 21 31 00-0771	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,028.08	
28 21 31 00-0772	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,471.74	
28 21 31 00-0773	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,909.45	
28 21 31 00-0774		Video Recording Equipment *(28 21 31 00-0044)*		
28 21 31 00-0775		Digital Video Recorders *(28 21 31 00-0774)*		
28 21 31 00-0776	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,621.37	56.50
28 21 31 00-0777	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,314.73	56.50
28 21 31 00-0778	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,009.24	56.50
28 21 31 00-0779	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,199.62	56.50
28 21 31 00-0780	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,892.99	56.50
28 21 31 00-0781	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,587.49	56.50
28 21 31 00-0782	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,617.72	56.50
28 21 31 00-0783	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,311.08	56.50
28 21 31 00-0784	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	26,005.59	56.50
28 21 31 00-0785	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,195.97	56.50
28 21 31 00-0786	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,889.34	56.50
28 21 31 00-0787	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,583.84	56.50
28 21 31 00-0788	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,934.34	56.50
28 21 31 00-0789		Digital Video Recorder Accessories *(28 21 31 00-0774)*		
28 21 31 00-0790	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,213.54	28.25
28 21 31 00-0791		Matrix Systems And Controls *(28 21 31 00-0044)*		
28 21 31 00-0792		Video Multiplexers *(28 21 31 00-0791)*		
28 21 31 00-0793		Monochrome Duplex, Video Multiplexers *(28 21 31 00-0792)*		
28 21 31 00-0794	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,307.21	56.50
28 21 31 00-0795	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,179.96	56.50
28 21 31 00-0796		Color Duplex, Video Multiplexers *(28 21 31 00-0792)*		
28 21 31 00-0797	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,554.02	56.50
28 21 31 00-0798	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,976.71	56.50
28 21 31 00-0799	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,227.77	56.50
28 21 31 00-0800		Color Simplex, Video Multiplexers *(28 21 31 00-0792)*		
28 21 31 00-0801	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,499.80	56.50
28 21 31 00-0802	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,921.68	56.50
28 21 31 00-0803		Video Multiplexer Accessories *(28 21 31 00-0792)*		
28 21 31 00-0804	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,364.94	38.58
28 21 31 00-0805	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	794.03	38.58
28 21 31 00-0806	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,307.21	56.50
28 21 31 00-0807		Quad Video Processor *(28 21 31 00-0791)*		
28 21 31 00-0808	EA	Monochrome, Quad Video Processor (Pelco QD104M)	711.09	28.25
28 21 31 00-0809	EA	Color, Quad Video Processor (Pelco QD104C)	1,169.65	28.25
28 21 31 00-0810		Switcher *(28 21 31 00-0791)*		
28 21 31 00-0811		Terminating Manual Switchers *(28 21 31 00-0810)*		
28 21 31 00-0812		Terminating Manual Switchers *(28 21 31 00-0811)*		
28 21 31 00-0813	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	243.53	22.60
28 21 31 00-0814	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	332.95	22.60
28 21 31 00-0815	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	406.32	22.60
28 21 31 00-0816	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	668.84	22.60
28 21 31 00-0817		Audio Follow, Terminating Manual Switchers *(28 21 31 00-0811)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0818	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	316.90	22.60
28 21 31 00-0819	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	563.37	22.60
28 21 31 00-0820	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	988.69	22.60
28 21 31 00-0821		**Balanced Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0811)*		
28 21 31 00-0822	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	425.80	22.60
28 21 31 00-0823	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	785.77	22.60
28 21 31 00-0824		**Looping Manual Switchers** *(28 21 31 00-0810)*		
28 21 31 00-0825		**Looping Manual Switchers** *(28 21 31 00-0824)*		
28 21 31 00-0826	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	273.33	22.60
28 21 31 00-0827	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	377.66	22.60
28 21 31 00-0828	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	483.12	22.60
28 21 31 00-0829	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	800.68	22.60
28 21 31 00-0830		**Audio Follow, Looping Manual Switchers** *(28 21 31 00-0824)*		
28 21 31 00-0831	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	342.12	22.60
28 21 31 00-0832	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	602.35	22.60
28 21 31 00-0833	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	829.34	22.60
28 21 31 00-0834		**Balanced Audio Follow, Looping Manual Switchers** *(28 21 31 00-0824)*		
28 21 31 00-0835	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	456.76	22.60
28 21 31 00-0836	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	832.78	22.60
28 21 31 00-0837	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,049.45	22.60
28 21 31 00-0838		**Sequential Switchers** *(28 21 31 00-0810)*		
28 21 31 00-0839		**Single Output, Sequential Switchers** *(28 21 31 00-0838)*		
28 21 31 00-0840	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	484.27	22.60
28 21 31 00-0841	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	725.02	22.60
28 21 31 00-0842		**Dual Outputs, Sequential Switchers** *(28 21 31 00-0838)*		
28 21 31 00-0843	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	606.94	22.60
28 21 31 00-0844	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	843.09	22.60
28 21 31 00-0845		**Controls** *(28 21 31 00-0791)*		
28 21 31 00-0846		**Direct/Multi-Cable Controls** *(28 21 31 00-0845)*		
28 21 31 00-0847	EA	Scanner Control Module (Pelco MPS524DT)	406.48	56.50
28 21 31 00-0848	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	435.14	56.50
28 21 31 00-0849	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	484.43	56.50
28 21 31 00-0850	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	507.36	56.50
28 21 31 00-0851	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	810.01	56.50
28 21 31 00-0852	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	893.70	56.50
28 21 31 00-0853		**Coaxitron Controls** *(28 21 31 00-0845)*		
28 21 31 00-0854	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	580.80	38.58
28 21 31 00-0855	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,120.76	38.58
28 21 31 00-0856	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,275.52	38.58
28 21 31 00-0857		**Digital Controls** *(28 21 31 00-0845)*		
28 21 31 00-0858	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	788.30	38.58
28 21 31 00-0859	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,353.47	38.58
28 21 31 00-0860		**Lock Boxes** *(28 21 31 00-0791)*		
28 21 31 00-0861	EA	VCR Lock Box (Pelco LB1000)	484.84	42.37
		For Wall Mount, Add	*165.00*	
28 21 31 00-0862	EA	Computer Disk Drive Lock Box (Pelco LB2000)	496.31	42.37
28 21 31 00-0863	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	920.48	42.37
28 21 31 00-0864		**Test And Certification Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0865	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	896.26	
28 21 31 00-0866	HR	Test And Certification Of Surveillance Camera System	280.08	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0867		Programming Of Surveillance Camera System *(28 21 31)*		
28 21 31 00-0868	HR	Programming Of Surveillance Camera (CCTV) System	224.06	
28 21 31 00-0869		Removal And Reinstallation Of Cameras *(28 21 31)* Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0870	EA	Removal And Reinstallation Of Camera System	508.50	

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm *(28 40)*

28 41 15 Radiation Detection Sensors *(28 41)*

28 41 15 00-0001		Wall Mount, Battery Operated, Home Radon Detector *(28 41 15)* Note: Long term and 7 day average display.		
28 41 15 00-0002	EA	Wall Mount, Battery Operated, Home Radon Detector	219.51	

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001		Monitoring System For Underground Tanks *(28 42 11)*		
28 42 11 00-0002		Continuous Leak Detection System *(28 42 11 00-0001)* Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.		
28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	8,488.33	462.48
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	11,453.84	617.02
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	16,237.55	661.01
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	17,384.87	924.96
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	12,300.93	78.96
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	11,093.05	70.50
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	14,589.06	78.96
28 42 11 00-0010	EA	Tank Leak Detection Probe	4,517.12	16.92
28 42 11 00-0011	EA	Secondary Containment Collar Probe	550.71	6.77
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	1,009.17	14.10
28 42 11 00-0013	EA	Liquid Phase Detection	3,331.03	42.30
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,074.20	42.30
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	3,593.21	47.94
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,106.87	47.94

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001		Hydrogen Gas Detection *(28 42 15)*		
28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,115.77	42.37
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	107.68	14.13
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	527.26	42.37

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

28 46 13 Fire-Alarm Systems *(28 46)*

28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems *(28 46 13)*

Note: Includes programming of equipment, testing and certification of new devices.

28 46 13 31-0001		Bosch Fire Alarm Equipment *(28 46 13 31)*		
28 46 13 31-0002	EA	Fire (Red) Keypad (Bosch D1255RB)	437.28	56.50
28 46 13 31-0003	EA	Fire Alarm Communication Alarm Panel (Bosch D7412GV4)	985.91	225.99
28 46 13 31-0004	EA	Fire Alarm (Red) Enclosure (Bosch D8109)	255.08	42.37
28 46 13 31-0005	EA	Dual Phone Line Switcher (Bosch D928)	202.43	22.60
28 46 13 31-0006	EA	Phone Cords (Bosch D161/D162)	24.40	5.65
28 46 13 31-0007	EA	Dual battery Harness (Bosch D122)	29.51	5.65
28 46 13 31-0008	EA	Battery Charging Module (Bosch D8132)	246.76	22.60
28 46 13 31-0009	EA	7 AH, 12 Volt Battery (Bosch D126)	79.85	14.13
28 46 13 31-0010	EA	Transformer (Bosch D1640)	33.90	5.65
28 46 13 31-0011	EA	Transformer Kit (Bosch D8004)	114.32	11.30
28 46 13 31-0012	EA	Phone Jack, Modular (Bosch D166/RJ31X)	24.40	5.65
28 46 13 31-0013		Edwards Fire Alarm *(28 46 13 31)*		
28 46 13 31-0014		EST3 Life Safety And Security Control *(28 46 13 31-0013)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0015		**EST3 Network** *(28 46 13 31-0014)*		
28 46 13 31-0016		**Remote Annunciators** *(28 46 13 31-0015)*		
28 46 13 31-0017	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,692.33	84.75
28 46 13 31-0018	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,373.76	84.75
28 46 13 31-0019	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,745.23	84.75
28 46 13 31-0020	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,101.84	84.75
28 46 13 31-0021	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	198.38	28.25
28 46 13 31-0022	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	697.99	84.75
28 46 13 31-0023	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	831.89	84.75
28 46 13 31-0024	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	791.11	84.75
28 46 13 31-0025	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	936.60	56.50
28 46 13 31-0026	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	135.14	28.25
28 46 13 31-0027	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	2,009.54	84.75
28 46 13 31-0028	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,789.46	28.25
28 46 13 31-0029		**Remote Annunciators Cabinets** *(28 46 13 31-0015)*		
28 46 13 31-0030	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	146.45	28.25
28 46 13 31-0031	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	135.15	22.60
28 46 13 31-0032	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	166.41	28.25
28 46 13 31-0033	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	155.11	22.60
28 46 13 31-0034	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	185.13	28.25
28 46 13 31-0035	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	173.83	22.60
28 46 13 31-0036		**Audio And Telephone Masters** *(28 46 13 31-0015)*		
28 46 13 31-0037	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,571.36	113.00
28 46 13 31-0038	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	3,085.22	113.00
28 46 13 31-0039	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	2,399.38	113.00
28 46 13 31-0040	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,914.28	113.00
28 46 13 31-0041	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,333.75	113.00
28 46 13 31-0042	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	2,399.67	56.50
28 46 13 31-0043		**Battery Distribution Unit** *(28 46 13 31-0015)*		
28 46 13 31-0044	EA	Battery Distribution Unit (EST3 3-BTSEN)	580.29	467.30
28 46 13 31-0045		**Remote Booster Power Supply** *(28 46 13 31-0015)*		
28 46 13 31-0046	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	946.53	84.75
28 46 13 31-0047	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,084.78	84.75
28 46 13 31-0048	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,186.66	84.75
28 46 13 31-0049	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	149.79	28.25
28 46 13 31-0050		**Batteries And Battery Cabinets** *(28 46 13 31-0015)*		
28 46 13 31-0051	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 1.2 Ampere Hours)	111.83	28.25
28 46 13 31-0052	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A 4.5 Ampere Hours)	141.86	28.25
28 46 13 31-0053	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A 26 Ampere Hours)	349.08	28.25
28 46 13 31-0054	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 7.2 Ampere Hours)	153.89	28.25
28 46 13 31-0055	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A 40 Ampere Hours)	445.27	28.25
28 46 13 31-0056	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A 11 Ampere Hours)	246.14	28.25
28 46 13 31-0057	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A 50 Ampere Hours)	913.95	28.25
28 46 13 31-0058	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A 18 Ampere Hours)	252.34	28.25
28 46 13 31-0059	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A 65 Amp Hours)	1,102.40	28.25
28 46 13 31-0060	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A 8 Amp Hours)	136.01	28.25
28 46 13 31-0061	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A 12 Amp Hours)	121.00	28.25
28 46 13 31-0062	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	448.08	56.50
28 46 13 31-0063	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	367.19	56.50
28 46 13 31-0064	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,282.75	113.00
28 46 13 31-0065	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,601.22	113.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0066	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,261.62	113.00
28 46 13 31-0067		**Serial Printer** *(28 46 13 31-0015)*		
28 46 13 31-0068	EA	System Printer - Desk Top Style (EST3 PT-1S)	1,255.10	28.25
28 46 13 31-0069		**Intelligent Analog Initiating Devices** *(28 46 13 31-0014)*		
28 46 13 31-0070		**Detectors, Signature** *(28 46 13 31-0069)*		
28 46 13 31-0071	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	265.91	42.37
28 46 13 31-0072	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	300.87	42.37
28 46 13 31-0073	EA	Intelligent Multisensor Detector - Photoelectric, Heat (Edwards SIGA-PHD)	201.87	42.37
28 46 13 31-0074	EA	Intelligent Photoelectric Smoke Detector, Duct Mounted (Edwards SIGA-PD)	179.79	42.37
28 46 13 31-0075	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	234.66	42.37
28 46 13 31-0076	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (Edwards SIGA-HRD)	156.75	42.37
28 46 13 31-0077	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (Edwards SIGA-HFD)	156.75	42.37
28 46 13 31-0078	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	310.17	42.37
28 46 13 31-0079	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	344.30	42.37
28 46 13 31-0080	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	287.82	42.37
28 46 13 31-0081	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	423.28	42.37
28 46 13 31-0082	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	237.27	42.37
28 46 13 31-0083	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	237.27	42.37
28 46 13 31-0084	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	333.34	42.37
28 46 13 31-0085		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0069)*		
28 46 13 31-0086	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	543.74	70.62
28 46 13 31-0087	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	21.49	
28 46 13 31-0088	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	68.57	16.95
28 46 13 31-0089	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	140.43	22.60
28 46 13 31-0090	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	193.30	22.60
28 46 13 31-0091	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	80.10	22.60
28 46 13 31-0092		**Modules, Signature** *(28 46 13 31-0069)*		
28 46 13 31-0093	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	255.04	28.25
28 46 13 31-0094	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	129.46	28.25
28 46 13 31-0095	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	180.34	28.25
28 46 13 31-0096	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	227.17	28.25
28 46 13 31-0097	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	199.54	28.25
28 46 13 31-0098	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	210.10	28.25
28 46 13 31-0099	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	156.34	28.25
28 46 13 31-0100	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	195.99	28.25
28 46 13 31-0101	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	265.63	28.25
28 46 13 31-0102	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	258.64	28.25
28 46 13 31-0103	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	248.22	28.25
28 46 13 31-0104	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	226.62	198.37
28 46 13 31-0105	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	162.79	28.25
28 46 13 31-0106	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	266.77	28.25
28 46 13 31-0107		**Module Accessories, Signature** *(28 46 13 31-0069)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0108	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	63.24	14.13
28 46 13 31-0109	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	223.79	28.25
28 46 13 31-0110	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	22.16	8.47
28 46 13 31-0111	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	75.29	14.13
28 46 13 31-0112	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	66.64	14.13
28 46 13 31-0113	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	70.06	14.13
28 46 13 31-0114		**Single Action Pull Stations, Signature** *(28 46 13 31-0069)*		
28 46 13 31-0115	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	269.88	58.76
28 46 13 31-0116	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	322.13	58.76
28 46 13 31-0117	EA	GA Key - For Pre Signal Station (EST3 276-K2)	37.83	32.18
28 46 13 31-0118	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	47.90	42.25
28 46 13 31-0119	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	67.77	45.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0120		**Double Action Pull Stations, Signature** *(28 46 13 31-0069)*		
28 46 13 31-0121	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	227.24	58.76
28 46 13 31-0122	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	48.65	5.65
28 46 13 31-0123		**Detector Bases and Accessories, Signature** *(28 46 13 31-0069)* Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0124	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	140.54	14.13
28 46 13 31-0125	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	49.25	14.13
28 46 13 31-0126	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	176.80	14.13
28 46 13 31-0127	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	98.06	14.13
28 46 13 31-0128	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	115.47	14.13
28 46 13 31-0129	EA	Detector Mounting Plate (EST3 SIGA-DMP) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.	185.13	14.13
28 46 13 31-0130	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	63.24	14.13
28 46 13 31-0131	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	22.31	8.47
28 46 13 31-0132	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	22.31	8.47
28 46 13 31-0133	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	69.35	8.47
28 46 13 31-0134	EA	Detector Base With Isolator (EST3 SIGA-IB)	113.71	14.13
28 46 13 31-0135	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	121.17	14.13
28 46 13 31-0136	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	78.17	14.13
28 46 13 31-0137	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	100.69	14.13
28 46 13 31-0138	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	44.57	14.13
28 46 13 31-0139		**Controllers, Signature** *(28 46 13 31-0069)*		
28 46 13 31-0140	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,994.25	84.75
28 46 13 31-0141	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,277.23	84.75
28 46 13 31-0142	EA	Signature Loop Controller (EST3 3-SDC1)	2,042.86	84.75
28 46 13 31-0143	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,291.77	84.75
28 46 13 31-0144		**Relays And Accessories** *(28 46 13 31-0069)*		
28 46 13 31-0145	EA	Multi Voltage Relay (EST3 MR101)	203.93	28.25
28 46 13 31-0146	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	58.80	14.13
28 46 13 31-0147		**Notification Appliances** *(28 46 13 31-0014)*		
28 46 13 31-0148		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0147)*		
28 46 13 31-0149	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	159.22	42.37
28 46 13 31-0150	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	159.22	42.37
28 46 13 31-0151	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	183.47	42.37
28 46 13 31-0152	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	131.89	42.37
28 46 13 31-0153	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	131.89	42.37
28 46 13 31-0154	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	131.89	42.37
28 46 13 31-0155	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	131.89	42.37
28 46 13 31-0156	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	108.93	42.37
28 46 13 31-0157	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	108.93	42.37
28 46 13 31-0158	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	108.93	42.37
28 46 13 31-0159	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	282.47	42.37
28 46 13 31-0160	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	282.47	42.37
28 46 13 31-0161	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	180.52	42.37
28 46 13 31-0162	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	180.52	42.37
28 46 13 31-0163	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	159.22	42.37
28 46 13 31-0164	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	159.22	42.37
28 46 13 31-0165	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	159.22	42.37
28 46 13 31-0166	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	159.22	42.37
28 46 13 31-0167	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	166.04	42.37
28 46 13 31-0168	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	166.04	42.37
28 46 13 31-0169	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	181.99	42.37
28 46 13 31-0170	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	166.04	42.37
28 46 13 31-0171	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	166.04	42.37
28 46 13 31-0172	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	94.00	42.37
28 46 13 31-0173	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	94.00	42.37
28 46 13 31-0174		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0147)*		
28 46 13 31-0175	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	129.83	42.37
28 46 13 31-0176	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	206.76	42.37
28 46 13 31-0177	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	129.83	42.37
28 46 13 31-0178	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	206.76	42.37
28 46 13 31-0179	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	63.95	22.60
28 46 13 31-0180	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	63.95	22.60

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0181		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0147)*		
28 46 13 31-0182	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	157.73	42.37
28 46 13 31-0183	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	206.76	42.37
28 46 13 31-0184	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	222.29	42.37
28 46 13 31-0185		**Harsh Environment Signals** *(28 46 13 31-0147)*		
28 46 13 31-0186	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	138.64	42.37
28 46 13 31-0187	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	199.87	42.37
28 46 13 31-0188	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	199.87	42.37
28 46 13 31-0189	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	181.66	42.37
28 46 13 31-0190	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	169.56	42.37
28 46 13 31-0191	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	181.66	42.37
28 46 13 31-0192	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	181.66	42.37
28 46 13 31-0193	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	181.66	42.37
28 46 13 31-0194	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	200.48	48.03
28 46 13 31-0195	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	200.48	48.03
28 46 13 31-0196	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	146.02	42.37
28 46 13 31-0197	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	194.06	42.37
28 46 13 31-0198		**Fire Alarm Bells** *(28 46 13 31-0147)*		
28 46 13 31-0199	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	216.85	42.37
28 46 13 31-0200	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	171.12	42.37
28 46 13 31-0201	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	190.64	42.37
28 46 13 31-0202		**Multiple Tone Signal** *(28 46 13 31-0147)*		
28 46 13 31-0203	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,456.88	1,414.50
28 46 13 31-0204		**Multi-Purpose Loudspeaker** *(28 46 13 31-0147)*		
28 46 13 31-0205	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	289.79	42.37
28 46 13 31-0206	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	289.79	42.37
28 46 13 31-0207		**Bell/Strobe Plate** *(28 46 13 31-0147)*		
28 46 13 31-0208	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	146.26	22.60
28 46 13 31-0209		**Mounting Accessories** *(28 46 13 31-0147)*		
28 46 13 31-0210	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	65.36	22.60
28 46 13 31-0211	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	65.36	22.60
28 46 13 31-0212	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	65.36	22.60
28 46 13 31-0213	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	65.36	22.60
28 46 13 31-0214	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	65.36	22.60
28 46 13 31-0215		**Firefighters' Telephones** *(28 46 13 31-0147)*		
28 46 13 31-0216	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,295.42	70.62
28 46 13 31-0217	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	718.35	70.62
28 46 13 31-0218	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	510.53	70.62
28 46 13 31-0219	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	365.66	70.62
28 46 13 31-0220	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	692.48	70.62
28 46 13 31-0221	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	417.36	70.62
28 46 13 31-0222	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	784.06	70.62
28 46 13 31-0223	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	434.60	70.62
28 46 13 31-0224	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	901.34	70.62
28 46 13 31-0225	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	93.56	22.60
28 46 13 31-0226	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	108.56	22.60
28 46 13 31-0227	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	160.54	
28 46 13 31-0228	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	160.54	
28 46 13 31-0229	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	236.54	28.25
28 46 13 31-0230	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	296.26	28.25
28 46 13 31-0231	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	206.68	28.25
28 46 13 31-0232	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	197.90	28.25
28 46 13 31-0233	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	139.31	42.37
28 46 13 31-0234	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,342.56	56.50
28 46 13 31-0235		**Mass Notification EC Appliances** *(28 46 13 31-0147)*		
28 46 13 31-0236	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	166.09	42.37
28 46 13 31-0237	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	159.89	42.37
28 46 13 31-0238	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	166.09	42.37
28 46 13 31-0239	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	159.89	42.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0240	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	24.36	8.47
28 46 13 31-0241		**Hazardous Location Devices** *(28 46 13 31-0014)*		
28 46 13 31-0242		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 13 31-0241)*		
28 46 13 31-0243	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	141.04	42.37
28 46 13 31-0244	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	141.04	42.37
28 46 13 31-0245	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	147.11	42.37
28 46 13 31-0246	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	147.11	42.37
28 46 13 31-0247	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	203.17	42.37
28 46 13 31-0248	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	203.17	42.37
28 46 13 31-0249	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	147.11	42.37
28 46 13 31-0250	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	147.11	42.37
28 46 13 31-0251		**Hazardous Locations Fire Alarm Station** *(28 46 13 31-0241)*		
28 46 13 31-0252	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,373.66	70.62
28 46 13 31-0253	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,306.70	70.62
28 46 13 31-0254		**Hazardous Location Strobes** *(28 46 13 31-0241)*		
28 46 13 31-0255	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,060.61	42.37
28 46 13 31-0256	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	382.70	14.13
28 46 13 31-0257	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	501.14	16.95
28 46 13 31-0258	EA	Pendant Mounting Module (EST3 116EX-P)	366.38	16.95
28 46 13 31-0259		**Hazardous Location Bells** *(28 46 13 31-0241)*		
28 46 13 31-0260	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,483.41	42.37
28 46 13 31-0261	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,522.17	42.37
28 46 13 31-0262	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,536.14	42.37
28 46 13 31-0263		**Hazardous Location Horns** *(28 46 13 31-0241)*		
28 46 13 31-0264	EA	Hazardous Location Horns (EST3 888D-N5)	1,450.01	42.37
28 46 13 31-0265	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,181.78	42.37
28 46 13 31-0266		**Door Holders And Relays** *(28 46 13 31-0014)*		
28 46 13 31-0267		**Electromagnetic Door Holders** *(28 46 13 31-0266)*		
28 46 13 31-0268	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	248.80	42.37
28 46 13 31-0269	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	326.59	42.37
28 46 13 31-0270	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	209.07	42.37
28 46 13 31-0271	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	209.07	42.37
28 46 13 31-0272	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	212.66	42.37
28 46 13 31-0273	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	216.09	42.37
28 46 13 31-0274		**Control Relays, Multi-Voltage** *(28 46 13 31-0266)*		
28 46 13 31-0275	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	50.33	8.47
28 46 13 31-0276		**FireShield Plus** *(28 46 13 31-0014)*		
28 46 13 31-0277		**3 Zone System** *(28 46 13 31-0276)*		
28 46 13 31-0278	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,313.46	339.00
28 46 13 31-0279	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,926.95	451.99
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,313.46	339.00
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,926.95	451.99
28 46 13 31-0282	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	95.28	14.13
28 46 13 31-0283	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	95.28	14.13
28 46 13 31-0284		**5 Zone System** *(28 46 13 31-0276)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0285	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,421.96	339.00
28 46 13 31-0286	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	2,029.24	451.99
28 46 13 31-0287	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,421.96	339.00
28 46 13 31-0288	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	2,029.24	451.99
28 46 13 31-0289	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	95.28	14.13
28 46 13 31-0290	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	95.28	14.13
28 46 13 31-0291		10 Zone System *(28 46 13 31-0276)*		
28 46 13 31-0292	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	2,066.44	451.99
28 46 13 31-0293	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,679.92	564.99
28 46 13 31-0294	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	2,019.95	451.99
28 46 13 31-0295	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,679.92	564.99
28 46 13 31-0296	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	112.07	14.13
28 46 13 31-0297	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	204.10	28.25
28 46 13 31-0298		FireShield Plus Off Premise Communication Options *(28 46 13 31-0276)*		
28 46 13 31-0299	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	459.48	28.25
28 46 13 31-0300		FireShield Plus Remote LED Annunciators *(28 46 13 31-0276)*		
28 46 13 31-0301	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	185.33	42.37
28 46 13 31-0302	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	185.33	42.37
28 46 13 31-0303	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	193.25	42.37
28 46 13 31-0304	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	37.11	8.47
28 46 13 31-0305	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	47.23	8.47
28 46 13 31-0306	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	71.53	8.47
28 46 13 31-0307		FireShield Plus Remote 10 Zone LED Annunciators *(28 46 13 31-0276)*		
28 46 13 31-0308	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	611.73	42.37
28 46 13 31-0309	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	673.73	42.37
28 46 13 31-0310	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	211.49	28.25
28 46 13 31-0311		FireShield Plus Remote Relays And Interfaces *(28 46 13 31-0276)*		
28 46 13 31-0312	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	224.14	28.25
28 46 13 31-0313	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	91.01	16.95
28 46 13 31-0314	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	363.39	28.25
28 46 13 31-0315		FireShield Plus Accessories *(28 46 13 31-0276)*		
28 46 13 31-0316	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	20.32	
28 46 13 31-0317	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	11.84	
28 46 13 31-0318		iO Series Fire Control Panels *(28 46 13 31-0014)*		
28 46 13 31-0319		Intelligent Analog Control Panels *(28 46 13 31-0318)*		
28 46 13 31-0320	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	3,896.69	564.99
28 46 13 31-0321	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	4,197.38	564.99
28 46 13 31-0322	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	3,109.93	451.99
28 46 13 31-0323	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,249.42	451.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0324		**Option Modules And Accessories For iO Series** *(28 46 13 31-0318)*		
28 46 13 31-0325	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	394.74	42.37
28 46 13 31-0326	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	239.74	42.37
28 46 13 31-0327	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	239.74	42.37
28 46 13 31-0328	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	211.49	28.25
28 46 13 31-0329	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	448.18	22.60
28 46 13 31-0330	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	820.17	22.60
28 46 13 31-0331	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	93.35	14.13
28 46 13 31-0332	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	108.85	14.13
28 46 13 31-0333	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,507.94	56.50
28 46 13 31-0334		**Remote Annunciators For iO Series** *(28 46 13 31-0318)*		
28 46 13 31-0335	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	820.96	42.37
28 46 13 31-0336	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	859.72	42.37
28 46 13 31-0337		**Remote Annunciator Accessories** *(28 46 13 31-0318)*		
28 46 13 31-0338	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	90.25	14.13
28 46 13 31-0339	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	59.25	14.13
28 46 13 31-0340	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	82.49	14.13
28 46 13 31-0341	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	239.74	42.37
28 46 13 31-0342	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	278.48	42.37
28 46 13 31-0343	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	317.24	42.37
28 46 13 31-0344	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	59.25	14.13
28 46 13 31-0345	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	59.25	14.13
28 46 13 31-0346	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	126.97	14.13
28 46 13 31-0347		**System Accessories** *(28 46 13 31-0318)*		
28 46 13 31-0348	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	448.08	56.50
28 46 13 31-0349	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,961.67	451.99
28 46 13 31-0350		**Conventional Initiating Devices** *(28 46 13 31-0014)*		
28 46 13 31-0351		**Detectors, Heat, Double Pole** *(28 46 13 31-0350)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0352	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	168.27	42.37
28 46 13 31-0353	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	168.27	42.37
28 46 13 31-0354	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	168.27	42.37
28 46 13 31-0355	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	168.27	42.37
28 46 13 31-0356		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0350)*		
28 46 13 31-0357	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	97.28	42.37
28 46 13 31-0358	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	298.57	22.60
28 46 13 31-0359	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	86.71	28.25
28 46 13 31-0360		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0350)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0361	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	156.35	42.37
28 46 13 31-0362	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	156.35	42.37
28 46 13 31-0363		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0014)*		
28 46 13 31-0364		**Audio Notification Panels** *(28 46 13 31-0363)*		
28 46 13 31-0365	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,733.29	564.99
28 46 13 31-0366	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,733.29	564.99
28 46 13 31-0367	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,229.86	564.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0368	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,229.86	564.99
28 46 13 31-0369	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	4,973.82	564.99
28 46 13 31-0370	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	4,973.82	564.99
28 46 13 31-0371		**Audio Notification Expander Panels** *(28 46 13 31-0363)*		
28 46 13 31-0372	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,353.85	564.99
28 46 13 31-0373	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,353.85	564.99
28 46 13 31-0374	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,896.91	564.99
28 46 13 31-0375	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,896.91	564.99
28 46 13 31-0376	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,749.37	564.99
28 46 13 31-0377	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,749.37	564.99
28 46 13 31-0378		**Audio Notification Output Accessories** *(28 46 13 31-0363)*		
28 46 13 31-0379	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	167.74	14.13
28 46 13 31-0380	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	753.97	28.25
28 46 13 31-0381	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	753.97	28.25
28 46 13 31-0382	EA	Class A Converter (GE ANSZSC4A)	536.98	28.25
28 46 13 31-0383		**Audio Notification Remote Microphone** *(28 46 13 31-0363)*		
28 46 13 31-0384	EA	Microphone (GE ANSMIKE)	195.99	28.25
28 46 13 31-0385	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	831.47	28.25
28 46 13 31-0386	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	831.47	28.25
28 46 13 31-0387	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	183.24	14.13
28 46 13 31-0388	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	97.98	14.13
28 46 13 31-0389		**Audio Notification Accessories** *(28 46 13 31-0363)*		
28 46 13 31-0390	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	335.49	28.25
28 46 13 31-0391	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	335.49	28.25
28 46 13 31-0392	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	335.49	28.25
28 46 13 31-0393	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	753.97	28.25
28 46 13 31-0394		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0363)*		
28 46 13 31-0395	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,763.39	56.50
28 46 13 31-0396	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,902.89	56.50
28 46 13 31-0397	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	4,018.84	56.50
28 46 13 31-0398	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,507.94	56.50
28 46 13 31-0399	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,507.94	56.50
28 46 13 31-0400	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,763.39	56.50
28 46 13 31-0401	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,205.42	56.50
28 46 13 31-0402	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,344.91	56.50
28 46 13 31-0403	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,460.86	56.50
28 46 13 31-0404	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	167.74	14.13
28 46 13 31-0405	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	122.86	14.13
28 46 13 31-0406		**EST4 Life Safety And Security Control** *(28 46 13 31-0013)*		
28 46 13 31-0407		**Audio Units And Interfaces** *(28 46 13 31-0406)*		
28 46 13 31-0408	EA	Annunciator, Audio And Telephone Interface Module (EST4 4-ANNAUDTEL)	322.83	84.75
28 46 13 31-0409	EA	Audio And Telephone Interface/Riser Module (EST4 4-AUDTELS)	669.84	28.25
28 46 13 31-0410	EA	Firefighter Master Handset (EST4 4-FT)	647.25	70.62
28 46 13 31-0411	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	591.20	84.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0412	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	662.59	84.75
28 46 13 31-0413	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	717.84	84.75
28 46 13 31-0414	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate (EST4 4-LCDAUDTELCAB-MPLT) Note: For CAB7, CAB14, CAB21, 4-16ANNMT and 4-24ANNMT applications	846.32	84.75
28 46 13 31-0415	EA	Paging Microphone (EST4 4-MIC)	696.99	28.25
28 46 13 31-0416		**Cabinets And Chassis** *(28 46 13 31-0406)*		
28 46 13 31-0417	EA	Battery Shelf For RCCxx Series Cabinets (EST4 3-BATS) Note: Takes one chassis space in a RCC cabinet. Provides space for up to one 65AH battery.	61.87	10.70
28 46 13 31-0418	EA	Battery Distribution Module (EST4 3-BTSEN)	456.75	113.00
28 46 13 31-0419	EA	Wallbox With 2 Chassis Spaces (EST4 3-CAB14B)	621.16	42.37
28 46 13 31-0420	EA	Wallbox With 3 Chassis Spaces (EST4 3-CAB21B)	762.84	42.37
28 46 13 31-0421	EA	Backbox, Black (EST4 3-CAB5B) Note: Supports five Local Rail Modules.	291.75	42.37
28 46 13 31-0422	EA	Wallbox With 1 Chassis Space (EST4 3-CAB7B)	418.78	42.37
28 46 13 31-0423	EA	3-CAB - Seismic Battery Hold Down For 3-CAB 7, 14 Or 21 (EST4 3-CABEQ) Note: Supports two 12V batteries from 10 Amp hrs up to 18 Ahrs. Comes with EST3 Chassis hardening hardware and instructions	322.43	11.30
28 46 13 31-0424	EA	Chassis Assembly (EST4 3-CHAS7) Note: Fits in any Lobby or Remote Closet Cabinet except CAB5 Series. Provides space for up to seven LRMs. Rear space for up to two power supplies.	469.34	42.37
28 46 13 31-0425	EA	Remote Closet Enclosure, Red (EST4 3-RCC14R)	1,121.62	113.00
28 46 13 31-0426	EA	Remote Closet Enclosure, Red (EST4 3-RCC21R)	1,551.69	113.00
28 46 13 31-0427	EA	Remote Closet Enclosure, Red (EST4 3-RCC7R)	914.21	113.00
28 46 13 31-0428	EA	3-RCC Series Cabinet, Seismic Battery Hold Down For 3-RCC1XXR Series (EST4 3-RCCEQ50) Note: Supports one set of 50 Amp hr (two batteries). Order 3-RCC14R or 3-RCC21R separately.	427.88	141.25
28 46 13 31-0429	EA	3-RCC Series Cabinet, Seismic Battery Hold Down (EST4 3-RCCEQ65) Note: Supports one set of 65 Ahr (two batteries) batteries (one battery in bottom of cabinet, one battery mounted on 3-BATS. Order 3-RCCxxR cabinet and 3-BATS separately.	882.09	141.25
28 46 13 31-0430	EA	Tamper Switch For CAB5 Series Cabinets (EST4 3-TAMP5)	117.29	28.25
28 46 13 31-0431	EA	Tamper Switch For 3-RCC Cabinets (EST4 3-TAMPRCC)	117.29	28.25
28 46 13 31-0432	EA	Mounting Bracket (EST4 4-BRKT-CB) Note: Provides space for mounting any one of 4-ANNCPU, 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. Mounts on the back plane of a 3-CHAS7 or on the back plane of a 3-ASU chassis in retrofit applications.	85.21	14.13
28 46 13 31-0433	EA	Mounting Bracket (EST4 4-BRKT-CS) Note: Provides space for mounting any one of 4-FWAL-1, 4-FWAL-2, 4-FWAL-3, 4-FWAL-4, or a 4-NET-AD module. The bracket mounts to the side of a 3-CHAS7.	85.21	14.13
28 46 13 31-0434	EA	Door Assembly, Bronze (EST4 4-CAB16D) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	594.44	8.48
28 46 13 31-0435	EA	Door Assembly, Red (EST4 4-CAB16DR) Note: Includes 16 User Interface spaces, mounts to 3-CAB7B wallbox.	594.44	8.48
28 46 13 31-0436	EA	Door Assembly, Bronze (EST4 4-CAB24D) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	735.04	8.48
28 46 13 31-0437	EA	Door Assembly, Bronze (EST4 4-CAB24DL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	840.52	8.48
28 46 13 31-0438	EA	Door Assembly, Red (EST4 4-CAB24DR) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB14B wallbox.	735.93	8.48
28 46 13 31-0439	EA	Door Assembly, Red (EST4 4-CAB24DRL) Note: Outer door and black inner door with 24 user interface spaces, mounts to 3-CAB21B wallbox.	840.52	8.48
28 46 13 31-0440	EA	Door Assembly, Bronze (EST4 4-CAB8D) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	417.30	8.48
28 46 13 31-0441	EA	Door Assembly, Red (EST4 4-CAB8DR) Note: Outer door and black inner door with 8 user interface spaces, mounts to 3-CAB5B wallbox.	417.30	8.48
28 46 13 31-0442	EA	Replacement Hinge Assembly For CAB21 (EST4 4-HNG21)	82.23	
28 46 13 31-0443	EA	Replacement Hinge Assembly For CAB7 Or 14 (EST4 4-HNG714)	82.23	
28 46 13 31-0444	EA	Replacement Door Lock And Two Keys (EST4 4-LOCK2KEY)	169.98	
28 46 13 31-0445	EA	Mounting Plate (EST4 4-MPLT) Note: Mounts in chassis or battery space	219.73	14.13
28 46 13 31-0446	EA	Tamper Switch For 3-CAB7B, 3-CAB14B And 3-CAB21B Cabinets With 4-CABXXD Series Doors (EST4 4-TAMP) Note: Mounts to side of cabinet.	108.99	28.25
28 46 13 31-0447	EA	Battery Cabinet, Black Backbox, Bronze Door (EST4 BC-1) Note: Supports up to 40AH batteries	308.17	56.50
28 46 13 31-0448	EA	Seismic Battery Hold Down For BC-1 (EST4 BC-1EQ) Note: Supports up to two 40 Ahr batteries. Order BC-1 or BC-1R Separately.	161.41	11.30
28 46 13 31-0449	EA	Battery Cabinet, Black Backbox, Red Door (EST4 BC-1R) Note: Supports up to 40AH batteries.	308.17	56.50
28 46 13 31-0450	EA	8" x 14 x 3-1/2" Multi-Function Enclosure, Red (EST4 MFC-A)	204.36	56.50
28 46 13 31-0451		**Central Processing Unit** *(28 46 13 31-0406)*		
28 46 13 31-0452	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	693.68	84.75
28 46 13 31-0453	EA	Cable (EST4 4-CABL0542) Note: Interconnects the 4-CPU to the inner door rail when no 4-LCD display is installed in the cabinet.	129.78	14.13
28 46 13 31-0454	EA	Cable, USB 3.0 A-B, Male, Long (EST4 4-CABLUSBLG)	77.85	14.13
28 46 13 31-0455	EA	Common Relay Module (EST4 4-COMREL)	81.07	14.13
28 46 13 31-0456	EA	Central Processor Module (EST4 4-CPU)	1,319.51	84.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0457	EA	EST4 Software License, 1 Seat (EST4 4-CUSWL)	657.30	
28 46 13 31-0458		**Control Display Modules** *(28 46 13 31-0406)*		
28 46 13 31-0459	EA	Control Display Module With 24 Indicators (EST4 4-24L)	449.12	84.75
28 46 13 31-0460	EA	Control Display Module With 24 Indicators And 12 Switches (EST4 4-24L12S)	553.95	84.75
28 46 13 31-0461	EA	Control Display Module With 24 Indicators And 18 Switches (EST4 4-24L18S)	553.95	84.75
28 46 13 31-0462	EA	Control Display Module With 24 Indicators And 24 Switches (EST4 4-24L24S)	568.84	84.75
28 46 13 31-0463	EA	Blank Filler Plate (EST4 4-FIL)	31.18	14.13
28 46 13 31-0464		**Liquid Crystal Display (LCD) Modules** *(28 46 13 31-0406)*		
28 46 13 31-0465	EA	LCD Display For EST3 Panels (EST4 4-3LCD) Note: Allows reuse of EST3 UI layer in retrofit applications. The 4-3LCD can be mounted in remote closet cabinets where an LCD display is needed. The display mounts on the 4-CPU module.	859.51	84.75
28 46 13 31-0466	EA	LCD With Cable For Annunciator Enclosure 4-4ANN, 4-6ANN Mounting (EST4 4-LCDANN)	851.65	84.75
28 46 13 31-0467	EA	Display, LCD Module For Audio/Telephone Control (EST4 4-LCDAUDTEL)	591.20	84.75
28 46 13 31-0468	EA	Display, LCD Module With Cable For Audio/Telephone Control For Annunciators (EST4 4-LCDAUDTELANN)	662.59	84.75
28 46 13 31-0469	EA	Display, LCD Module With Cable For Audio/Telephone Control With Bracket For CAB 14 And CAB 21 (EST4 4-LCDAUDTELCAB-CB)	717.84	84.75
28 46 13 31-0470	EA	Display, LCD Module With Cable For Audio/ Telephone Control With Mounting Plate For CAB7, CAB14, CAB21, 4-16ANNMT And 4-24ANNMT Applications (EST4 4-LCDAUDTELCAB-MPLT)	846.32	84.75
28 46 13 31-0471	EA	LCD With Cable For 3-CAB5B, 7B, 14B, 21B, 4-8ANN, 16ANN And 24ANN Mounting (EST4 4-LCDLE)	849.64	84.75
28 46 13 31-0472		**Network Accessories** *(28 46 13 31-0406)*		
28 46 13 31-0473	EA	Firewall (EST4 4-FWAL1) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	460.11	
28 46 13 31-0474	EA	Firewall W/DACT (EST4 4-FWAL2) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	544.34	
28 46 13 31-0475	EA	Firewall W/EMAIL (EST4 4-FWAL3) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	521.34	
28 46 13 31-0476	EA	Firewall W/DACT/ EMAIL/DIAG (EST4 4-FWAL4) Note: Provides secure connection to external systems. Support us to 8 concurrent IP connections supports connection to 4-USBHUB with printer and/or CDR3, SFP connection to FireWorks and other supported external connections	1,510.35	
28 46 13 31-0477	EA	SFP Network Firewall Adapter, CAT5 UTP Copper, 100Base-TX, 100 Mbps (EST4 4-FWAL-CAT)	315.54	28.25
28 46 13 31-0478	EA	SFP Network Firewall Adapter, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-FWAL-MM)	415.13	28.25
28 46 13 31-0479	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-FWAL-SM)	1,031.16	28.25
28 46 13 31-0480	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-FWAL-SMD) Note: Works with 4-FWAL-SMU	1,249.07	28.25
28 46 13 31-0481	EA	SFP Network Firewall Adapter, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-FWAL-SMH)	1,348.04	28.25
28 46 13 31-0482	EA	SFP Network Firewall Adapter, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-FWAL-SMU) Note: Works with 4-FWAL-SMD	1,249.07	28.25
28 46 13 31-0483	EA	Network Adder Module (EST4 4-NET-AD)	622.20	28.25
28 46 13 31-0484	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	465.38	84.75
28 46 13 31-0485	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	591.42	84.75
28 46 13 31-0486	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,316.17	84.75
28 46 13 31-0487	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,572.51	84.75
28 46 13 31-0488	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,688.96	84.75
28 46 13 31-0489	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx Note: Works with 4-NET-SMD	1,572.51	84.75
28 46 13 31-0490	EA	SFP Network Controller, 2Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	465.38	84.75
28 46 13 31-0491	EA	SFP Network Controller, 0.3Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	676.49	84.75
28 46 13 31-0492	EA	Network Extender Module (EST4 4-NET-XT) Note: Mounts to DIN rail on 4-MPLT ordered separately	2,203.18	28.25
28 46 13 31-0493	EA	4-USBHUB Multi-port USB Hub Module (EST4 4-USBHUB) Note: Mounts in a ½ footprint module space and provides isolated RS-232 USB and terminal block connections for RS-232 to CDR connections.	516.50	28.25
28 46 13 31-0494	EA	Coder, PSNI (EST4 CDR-3) Note: Positive, non-interfering, successive and march time codes PSNI code out (relay & tone outputs). March time out (relay & tone outputs). Connects to RS-232 serial port. Requires 1/2 size cabinet footprint and 24 VDC power.	601.09	28.25
28 46 13 31-0495	EA	Field Server Bridge Bracket For FSB-PC2 Or FSB-PCLW (EST4 FSB-BRKT2)	82.67	14.13
28 46 13 31-0496	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4) Note: Mounts on FSB-BRKT2, ordered separately.	2,289.53	28.25
28 46 13 31-0497	EA	ECPxml To BMS/Elevator Bridge (EST4 FSB-PC4LW) Note: Mounts on FSB-BRKT2, ordered separately.	2,289.53	28.25
28 46 13 31-0498	EA	Ground Fault Detection Module (EST4 GFD) Note: One required for every two 3-NSHM1/2s.	331.88	14.13
28 46 13 31-0499	EA	Isolator Module, RS232 (EST4 IOP3A) Note: For use with short haul modems, VDU-3, CCA Series, CGP Series and FCOM-232, requires 1/2 size cabinet footprint.	1,539.42	451.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0500	EA	MN-FVPN, MN-ABPM, MN-PASM2, MN-COM1S, MN-NETRLY4 And/Or MN-FNS(4)(8) Series Switch Mounting Bracket For EST3 Enclosures (EST4 MN-BRKT1F)	257.77	14.13
28 46 13 31-0501	EA	24 VDC, 4 Fast Ethernet (RJ45), 2 GB SFP, Layer 3 Lite (EST4 MN-FNS4C2F3)	2,917.48	113.00
28 46 13 31-0502	EA	MN-FNS4 Series Switch Holder Bracket (EST4 MN-FNS4HDK1) Note: Used with MN-BRKT Series. One required per switch.	126.81	14.13
28 46 13 31-0503	EA	Desk Top Style, System Printer (EST4 PT-1S)	1,091.79	28.25
28 46 13 31-0504		**Power Supplies** *(28 46 13 31-0406)*		
28 46 13 31-0505	EA	Primary Power Supply With Local Rail Module 120-240V 50/60 Hz (EST4 4-PPS/M)	1,077.42	14.13
28 46 13 31-0506		**Remote Annunciators** *(28 46 13 31-0406)*		
28 46 13 31-0507	EA	LED/SWITCH Driver Module Assembly (EST4 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	705.91	84.75
28 46 13 31-0508	EA	Plastic Mounting Extrusion (EST4 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	120.35	28.25
28 46 13 31-0509	EA	Power Supply Assembly (EST4 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	593.82	84.75
28 46 13 31-0510	EA	16 Slots (2 rows of 8), Bronze Annunciator (EST4 4-16ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-16ANNMT (Surface mount) or 3-CAB7B (semi-flush mount), required network Controllers 4-NET-XX series, end user interfaces and required filler plates separately.	1,250.98	84.75
28 46 13 31-0511	EA	Surface Mount Wall Box Assembly For Eight Wide By Two High Annunciators (16 spaces) (EST4 4-16ANNMT)	328.88	22.60
28 46 13 31-0512	EA	24 slots (3 rows of 8), Bronze Annunciator (EST4 4-24ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall mounting assembly 4-24ANNMT, required network Controllers 4-NET-XX series, and End User interfaces and required filler plates separately.	1,346.21	84.75
28 46 13 31-0513	EA	Surface Mount Wallbox Assembly For Eight Wide By Three High Annunciator (24 spaces) (EST4 4-24ANNMT)	440.79	22.60
28 46 13 31-0514	EA	LCD Annunciator (EST4 4-2ANN) Note: Comes with 4-LCDANN color touchscreen display, 4-ANNCPU, bronze outer door and black inner door. Order wallbox assembly model 4-2ANNMT and required network Controllers 4-NET-XX separately	1,539.54	84.75
28 46 13 31-0515	EA	Mounting Assembly For 4-2ANN, Two Wide Annunciator (EST4 4-2ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	172.73	42.37
28 46 13 31-0516	EA	Bronze Annunciator (EST4 4-4ANN) Note: Supports 4 slots (1 row of 4). Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-4ANNMT, required network controllers 4-NET-XX series, any user interfaces and filler plates separately.	881.13	84.75
28 46 13 31-0517	EA	Mounting Assembly For 4-4ANN, Four Wide annunciator (EST4 4-4ANNMT) Note: Supports surface or semiflush mounting. Comes with black wallbox, surface mounting plastic fillers and semi-flush trim.	248.18	42.37
28 46 13 31-0518	EA	Bronze Annunciator, 6 Slots (1 row of 6) (EST4 4-6ANN) Note: Comes with 4-ANNCPU, bronze outer door and black inner door. Order wall Mounting assembly 4-6ANNMT, required network Controllers 4-NET-XX series, any user interfaces and required filler plates separately.	917.90	84.75
28 46 13 31-0519	EA	Mounting Assembly For 4-6ANN, Six Wide Annunciator (EST4 4-6ANNMT) Note: Supports surface or semiflush mounting. Comes with wallbox, surface mounting plastic fillers and semi-flush trip.	286.15	42.37
28 46 13 31-0520	EA	Bronze Annunciator, 8 Slots (2 rows of 4) (EST4 4-8ANN) Note: Comes with 4-ANNCPU, Bronze outer and black inner doors. Order wall Mounting assembly 4-8ANNMT (surface mounting), or 3-CAB5B (Semi-flush mounting) required network Controllers 4-NET-XX series, End User interfaces and required filler plates separately.	1,067.79	84.75
28 46 13 31-0521	EA	Mounting Assembly For 4-8ANN, Four Wide x Two Row High Annunciator (EST4 4-8ANNMT) Note: Supports surface mounting.	368.43	42.37
28 46 13 31-0522	EA	Security Kit (EST4 4-ANNSK) Note: Provides a keyless door latch that allows access to LCD and switches, used for security applications where the display needs to be accessed without the need for a tool to unlock the door for arming, disarming, bypass applications within the protected space.	39.15	
28 46 13 31-0523	EA	Graphic Annunciator Central Processor Module (EST4 4-CPUGRPH)	1,503.51	84.75
28 46 13 31-0524	EA	SFP Network Controller, CAT5 UTP Copper, 100Base-TX, 100Mbps (EST4 4-NET-CAT)	465.38	84.75
28 46 13 31-0525	EA	SFP Network Controller, Multimode, Dual-Fiber, 100Base-FX 1310nm (EST4 4-NET-MM)	591.42	84.75
28 46 13 31-0526	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-LX10 1310nm (EST4 4-NET-SM)	1,316.17	84.75
28 46 13 31-0527	EA	SFP Network Controller, Single-Mode, Single-Fiber, Downlink, 100Base-BX10-D 1550nm/1310nm Tx/Rx (EST4 4-NET-SMD) Note: Works with 4-NET-SMU	1,572.51	84.75
28 46 13 31-0528	EA	SFP Network Controller, Single-Mode, Dual-Fiber, 100Base-High Output 1310nm (EST4 4-NET-SMH)	1,688.96	84.75
28 46 13 31-0529	EA	SFP Network Controller, Single-Mode, Single-Fiber, Uplink, 100Base-BX10-U 1310nm/1550nm Tx/Rx (EST4 4-NET-SMU) Note: Works with 4-NET-SMD	1,572.51	84.75
28 46 13 31-0530	EA	SFP Network Controller, 2 Mbps Shared TX/RX, Twisted Pair (EST4 4-NET-TP)	465.38	84.75
28 46 13 31-0531	EA	SFP Network Controller, 0.3 Mbps Shared TX/RX, High Capacitance Twisted Pair (EST4 4-NET-TP-HC)	676.49	84.75
28 46 13 31-0532		**Miscellaneous** *(28 46 13 31-0406)*		
28 46 13 31-0533	EA	Service Replacement Bronze Annunciator Door (EST4 4-2ANND) Note: For 4-2ANN annunciators includes the inner and outer doors.	224.90	
28 46 13 31-0534	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-2ANNFA) Note: For 4-2ANN annunciators	79.09	
28 46 13 31-0535	EA	Service Replacement Bronze Annunciator Door (EST4 4-4ANND) Note: For 4-4ANN annunciators includes the inner and outer doors.	244.25	
28 46 13 31-0536	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4ANNFA) Note: For 4-4ANN annunciators.	114.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0537	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-4X2ANNFA) Note: For 4-8ANN annunciators and 4-CAB5D door assemblies.	178.75	
28 46 13 31-0538	EA	Service Replacement Bronze Annunciator Door (EST4 4-6ANND) Note: For 4-6ANN annunciators, includes the inner and outer door	273.34	
28 46 13 31-0539	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-6ANNFA) Note: For 4-6ANN annunciators.	132.76	
28 46 13 31-0540	EA	Service Replacement Part, Plastic Frame Assembly With Mounting Screws (EST4 4-8ANNFA) Note: For 4-CAB16D and 4-CAB21D(L) door assemblies.	178.75	
28 46 13 31-0541	EA	Annunciator Central Processor Unit (CPU) (EST4 4-ANNCPU) Note: Provides mounting for up to two network controllers, one USB device port, one USB host port and one 4-ANNAUDTEL module.	693.68	84.75
28 46 13 31-0542	EA	Service Replacement Cable, 4-LCD To 4-CPU Flex Interconnect Cable (EST4 4-CABL0502) Note: For CAB5, 7, 14, 21.	113.59	
28 46 13 31-0543	EA	Service Replacement Cable, 4-LCD To 4-ANNCPU Cable (EST4 4-CABL0504) Note: For use in 4-2ANN, 4ANN, 6ANN annunciator configuration.	102.09	
28 46 13 31-0544	EA	Chassis To Door Rail Cable (EST4 4-CABL0505) Note: For 4-CAB16D, 4-CAB24D or 4-CAB24DL use when no LCD display is required.	93.62	8.48
28 46 13 31-0545	EA	Chassis To Door Rail Cable (EST4 4-CABL0507) Note: For 4-CAB8D when no LCD is required.	93.62	8.48
28 46 13 31-0546	EA	Cable, 4-LCDAUDTEL To 4-ANNCPU (EST4 4-CABL0509) Note: For 4-MPLT for CAB7, CAB14, or CAB21	101.48	8.48
28 46 13 31-0547	EA	Service Replacement Cable, 4-3LCD To 4-CPU Cable (EST4 4-CABL0541) Note: For use in 3-CAB5B, 7B, 14B, 21B, RCC series.	98.35	
28 46 13 31-0548	EA	Cable, USB 3.0 A-B, Male, Short (EST4 4-CABLUSBSM)	47.62	8.48
28 46 13 31-0549	EA	Window Replacement (EST4 4-CABWIN16/24) Note: For 4-CAB16D and 4-CAB24D doors	267.26	
28 46 13 31-0550	EA	Main Color Touchscreen LCD Display (EST4 4-LCD)	782.84	84.75
28 46 13 31-0551	EA	Power Limited Label (EST4 4-PL0457) Note: For EST3 updates.	22.06	5.65
28 46 13 31-0552		**Zone Audio Amplifiers** *(28 46 13 31-0406)*		
28 46 13 31-0553	EA	Zoned Amplifier, 20 Watt, Class A/B (EST4 3-ZA20A) Note: 20 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	839.69	22.60
28 46 13 31-0554	EA	Zoned Amplifier, 20 Watt, Class B (EST4 3-ZA20B) Note: 20 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	773.87	22.60
28 46 13 31-0555	EA	Zoned Amplifier, 40 Watt, Class A/B (EST4 3-ZA40A) Note: 40 Watt selectable for 25 or 70 Vrms Class A/B Output. Mounts in 1 LRM space. Has built in Class A/B NAC rated at 3.5 Amps. Supports one user interface module.	1,036.96	22.60
28 46 13 31-0556	EA	Zoned Amplifier, 40 Watt, Class B (EST4 3-ZA40B) Note: 40 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 1 LRM space. Has built in Class B NAC rated at 3.5 Amps. Supports one user interface module.	953.97	22.60
28 46 13 31-0557	EA	Zoned Amplifier, 95 Watt, Class B (EST4 3-ZA95) Note: 95 Watt selectable for 25 or 70 Vrms Class B Output. Mounts in 2 LRM spaces. Supports two user interface modules.	2,004.43	22.60
28 46 13 31-0558		**Simplex Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0559		**4100 Fire Alarm Control Panel** *(28 46 13 31-0558)*		
28 46 13 31-0560	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	6,954.95	564.00
28 46 13 31-0561	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,628.07	564.00
28 46 13 31-0562	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	11,153.52	564.00
28 46 13 31-0563	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	4,309.74	564.00
28 46 13 31-0564	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	3,283.20	564.00
28 46 13 31-0565	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,296.50	141.00
28 46 13 31-0566	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	480.87	28.20
28 46 13 31-0567	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,399.42	28.20
28 46 13 31-0568		**4100U Back Box** *(28 46 13 31-0558)*		
28 46 13 31-0569	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,403.61	112.80
28 46 13 31-0570	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,402.30	112.80
28 46 13 31-0571		**DACT (Digital Alarm Communicator Transmitter)** *(28 46 13 31-0558)*		
28 46 13 31-0572	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,318.03	56.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0573		**4010 Fire Alarm Control Panel** *(28 46 13 31-0558)*		
28 46 13 31-0574	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,542.27	564.00
28 46 13 31-0575	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,337.76	564.00
28 46 13 31-0576	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	242.28	28.20
28 46 13 31-0577	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,087.77	28.20
28 46 13 31-0578	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,499.59	28.20
28 46 13 31-0579	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	765.25	28.20
28 46 13 31-0580	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	829.00	28.20
28 46 13 31-0581	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	304.22	28.20
28 46 13 31-0582		**Printer** *(28 46 13 31-0558)*		
28 46 13 31-0583	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,421.69	28.20
28 46 13 31-0584		**NAC Panel / Power Booster** *(28 46 13 31-0558)*		
28 46 13 31-0585	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,518.79	141.00
28 46 13 31-0586		**Battery** *(28 46 13 31-0558)*		
28 46 13 31-0587	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	972.83	28.20
28 46 13 31-0588	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	642.58	28.20
28 46 13 31-0589	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	224.28	28.20
28 46 13 31-0590		**Interface Modules** *(28 46 13 31-0558)*		
28 46 13 31-0591	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	178.90	28.20
28 46 13 31-0592	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	382.75	28.20
28 46 13 31-0593	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	82.86	28.20
28 46 13 31-0594	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	181.14	28.20
28 46 13 31-0595	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	79.99	14.10
28 46 13 31-0596	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	75.67	14.10
28 46 13 31-0597		**Pull Stations** *(28 46 13 31-0558)*		
28 46 13 31-0598	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	222.63	28.20
28 46 13 31-0599	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	155.68	28.20
28 46 13 31-0600	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	168.62	28.20
28 46 13 31-0601	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	149.85	28.20
28 46 13 31-0602	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	177.26	28.20
28 46 13 31-0603	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	275.75	28.20
28 46 13 31-0604	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	229.05	28.20
28 46 13 31-0605	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	272.21	28.20
28 46 13 31-0606	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	119.71	28.20
28 46 13 31-0607	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	127.61	28.20
28 46 13 31-0608	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	153.05	28.20
28 46 13 31-0609	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	245.50	28.20
28 46 13 31-0610	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	434.58	28.20
28 46 13 31-0611	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	134.10	28.20
28 46 13 31-0612	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	84.32	14.10
28 46 13 31-0613		**Weatherproof Pull Stations** *(28 46 13 31-0558)*		
28 46 13 31-0614	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	214.46	33.84
28 46 13 31-0615	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	141.66	14.10
28 46 13 31-0616		**Heat / Smoke Sensor** *(28 46 13 31-0558)*		
28 46 13 31-0617	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	211.75	42.30
28 46 13 31-0618	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	317.70	42.30
28 46 13 31-0619	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	651.83	14.10
28 46 13 31-0620	EA	Standard Sensor Base (Simplex 4098-9792)	327.93	14.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0621	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	179.69	28.20
28 46 13 31-0622		**Explosion Proof Heat Detector** *(28 46 13 31-0558)*		
28 46 13 31-0623	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	225.30	42.30
28 46 13 31-0624	EA	Explosion Proof Back Box (Killark JLX-21)	153.40	14.10
28 46 13 31-0625	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	13.29	2.82
28 46 13 31-0626		**Weatherproof Heat Detector** *(28 46 13 31-0558)*		
28 46 13 31-0627	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	157.22	42.30
28 46 13 31-0628		**200 Degree F Heat Detector** *(28 46 13 31-0558)*		
28 46 13 31-0629	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	126.79	42.30
28 46 13 31-0630		**Duct Smoke Sensor** *(28 46 13 31-0558)*		
28 46 13 31-0631	EA	Duct Sensor Housing (Simplex 4098-9755)	521.72	22.56
28 46 13 31-0632	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	693.90	50.76
28 46 13 31-0633	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	73.22	14.10
28 46 13 31-0634	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	170.06	42.30
28 46 13 31-0635		**Interior Horn** *(28 46 13 31-0558)*		
28 46 13 31-0636	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	155.90	42.30
28 46 13 31-0637	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	155.90	42.30
28 46 13 31-0638		**Interior Horn Strobe** *(28 46 13 31-0558)*		
28 46 13 31-0639	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	223.23	42.30
28 46 13 31-0640	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	223.23	42.30
28 46 13 31-0641	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	207.87	42.30
28 46 13 31-0642	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	207.87	42.30
28 46 13 31-0643	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	207.87	42.30
28 46 13 31-0644	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	207.87	42.30
28 46 13 31-0645	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	213.02	42.30
28 46 13 31-0646	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	213.02	42.30
28 46 13 31-0647	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	222.07	42.30
28 46 13 31-0648	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	217.90	42.30
28 46 13 31-0649	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	222.07	42.30
28 46 13 31-0650	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	217.90	42.30
28 46 13 31-0651	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	207.87	42.30
28 46 13 31-0652	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	207.87	42.30
28 46 13 31-0653	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	207.87	42.30
28 46 13 31-0654	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	207.87	42.30
28 46 13 31-0655		**Interior Strobe** *(28 46 13 31-0558)*		
28 46 13 31-0656	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	175.24	42.30
28 46 13 31-0657	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	175.24	42.30
28 46 13 31-0658	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	175.17	42.30
28 46 13 31-0659	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	175.24	42.30
28 46 13 31-0660	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	194.75	42.30
28 46 13 31-0661	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	194.75	42.30
28 46 13 31-0662	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	196.00	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0663	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	199.40	42.30
28 46 13 31-0664	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	199.40	42.30
28 46 13 31-0665	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	199.40	42.30
28 46 13 31-0666	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	175.24	42.30
28 46 13 31-0667	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	175.24	42.30
28 46 13 31-0668	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	175.24	42.30
28 46 13 31-0669	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	175.24	42.30
28 46 13 31-0670		**Interior Speakers** *(28 46 13 31-0558)*		
28 46 13 31-0671	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	139.38	42.30
28 46 13 31-0672	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	139.38	42.30
28 46 13 31-0673	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	139.38	42.30
28 46 13 31-0674		**Interior Speaker Strobe** *(28 46 13 31-0558)*		
28 46 13 31-0675	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	238.44	42.30
28 46 13 31-0676	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	238.44	42.30
28 46 13 31-0677		**Surge Suppressors** *(28 46 13 31-0558)*		
28 46 13 31-0678	EA	Overvoltage Suppressor (Simplex 2081-9044)	162.22	8.46
28 46 13 31-0679	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	102.43	8.46
28 46 13 31-0680	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	351.71	8.46
28 46 13 31-0681	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	117.84	8.46
28 46 13 31-0682	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	176.99	14.10
28 46 13 31-0683	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	120.90	8.46
28 46 13 31-0684	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	90.08	8.46
28 46 13 31-0685		**Boxes And Adapters** *(28 46 13 31-0558)*		
28 46 13 31-0686	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	75.67	14.10
28 46 13 31-0687	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	71.36	14.10
28 46 13 31-0688	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	62.90	14.10
28 46 13 31-0689	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	50.89	14.10
28 46 13 31-0690		**Accessories** *(28 46 13 31-0558)*		
28 46 13 31-0691	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	33.22	14.10
28 46 13 31-0692		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0693		**Conventional Control Panels** *(28 46 13 31-0692)*		
28 46 13 31-0694		**SXL Batteries And Power Supplies** *(28 46 13 31-0693)*		
28 46 13 31-0695	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,377.55	56.40
28 46 13 31-0696	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,104.76	56.40
28 46 13 31-0697		**Digital Fire Communicators** *(28 46 13 31-0693)*		
28 46 13 31-0698	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,068.80	56.40
28 46 13 31-0699		**Addressable Control Panels** *(28 46 13 31-0692)*		
28 46 13 31-0700		**Fireseeker Equipment** *(28 46 13 31-0699)*		
28 46 13 31-0701		**FS-250 System Panels** *(28 46 13 31-0700)*		
28 46 13 31-0702	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	3,131.76	564.00
28 46 13 31-0703	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	3,965.01	564.00
28 46 13 31-0704	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,315.94	451.20
28 46 13 31-0705	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	3,136.72	564.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0706		**FS-250 Optional Modules** *(28 46 13 31-0700)*		
28 46 13 31-0707	EA	Main Board Module (Siemens FS-MB2)	1,387.47	56.40
28 46 13 31-0708	EA	Display Board Module (Siemens FS-DB2)	1,088.04	28.20
28 46 13 31-0709	EA	Device Loop Card (Siemens FS-DLC)	889.65	28.20
28 46 13 31-0710	EA	Releasing Module (Siemens FS-REL)	388.71	28.20
28 46 13 31-0711	EA	Remote LCD Annunciator (Siemens FS-RD2)	883.45	28.20
28 46 13 31-0712	EA	Relay Processor Card (Siemens FS-RU2)	765.65	28.20
28 46 13 31-0713	EA	Relay Expander Board (Siemens FS-RE8)	651.58	28.20
28 46 13 31-0714	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	883.45	28.20
28 46 13 31-0715	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	686.29	28.20
28 46 13 31-0716	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	623.06	28.20
28 46 13 31-0717	EA	Municipal Tie Module (Siemens FS-MT)	527.58	28.20
28 46 13 31-0718	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	468.67	
28 46 13 31-0719	EA	Programming Cable Kit (Siemens CBL-UD)	123.68	14.10
28 46 13 31-0720	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	221.31	28.20
28 46 13 31-0721	EA	Releasing Power Transformer (Siemens FS-RPT-A)	225.03	28.20
28 46 13 31-0722	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	258.39	22.56
28 46 13 31-0723	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	429.94	14.10
28 46 13 31-0724		**Firefinder Systems** *(28 46 13 31-0699)*		
28 46 13 31-0725		**XLS Basic Fire System Packages Without Back Box** *(28 46 13 31-0724)*		
28 46 13 31-0726	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	11,373.35	564.00
28 46 13 31-0727	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,957.33	564.00
28 46 13 31-0728	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,957.33	564.00
28 46 13 31-0729	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	16,995.29	564.00
28 46 13 31-0730	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	17,583.02	564.00
28 46 13 31-0731	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,814.74	564.00
28 46 13 31-0732	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,814.74	564.00
28 46 13 31-0733	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	11,471.31	564.00
28 46 13 31-0734		**Firefinder - XLS Basic System Equipment** *(28 46 13 31-0724)*		
28 46 13 31-0735	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,260.75	564.00
28 46 13 31-0736	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	8,919.85	564.00
28 46 13 31-0737	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,260.75	564.00
28 46 13 31-0738	EA	Two Slot Card Cage (Siemens CC-2)	671.42	28.20
28 46 13 31-0739	EA	Five Slot Card Cage (Siemens CC-5)	1,143.84	28.20
28 46 13 31-0740	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,639.82	28.20
28 46 13 31-0741	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,712.97	28.20
28 46 13 31-0742	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	532.54	28.20
28 46 13 31-0743	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,946.08	28.20
28 46 13 31-0744	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,096.72	28.20
28 46 13 31-0745	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,189.15	28.20
28 46 13 31-0746	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,914.85	564.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0747	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,285.19	28.20
28 46 13 31-0748	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,482.38	28.20
28 46 13 31-0749	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	577.18	28.20
28 46 13 31-0750	EA	Conventional Detector Card (Siemens CDC-4)	1,238.07	28.20
28 46 13 31-0751	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,437.10	28.20
28 46 13 31-0752	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,795.57	28.20
28 46 13 31-0753		**Remote Lobby Enclosure** *(28 46 13 31-0724)*		
28 46 13 31-0754	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,573.43	112.80
28 46 13 31-0755	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	2,044.61	112.80
28 46 13 31-0756	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	246.11	28.20
28 46 13 31-0757	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	269.67	28.20
28 46 13 31-0758		**Battery Enclosures** *(28 46 13 31-0724)*		
28 46 13 31-0759	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	958.41	112.80
28 46 13 31-0760		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0724)*		
28 46 13 31-0761	EA	Output Control Module (Siemens OCM-16)	789.21	28.20
28 46 13 31-0762	EA	Supervised Input Module (Siemens SIM-16)	789.21	28.20
28 46 13 31-0763		**Remote LCD Displays** *(28 46 13 31-0724)*		
28 46 13 31-0764	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,822.05	84.60
28 46 13 31-0765	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	2,058.88	84.60
28 46 13 31-0766		**Voice Equipment** *(28 46 13 31-0724)*		
28 46 13 31-0767	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,832.01	28.20
28 46 13 31-0768	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	4,072.60	28.20
28 46 13 31-0769	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,709.25	28.20
28 46 13 31-0770		**MXL Series Equipment** *(28 46 13 31-0699)*		
28 46 13 31-0771		**MXL Optional Equipment** *(28 46 13 31-0770)*		
28 46 13 31-0772	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,962.81	56.40
28 46 13 31-0773	EA	CXL/MXL Interface Module (Siemens CMI-300)	5,115.40	28.20
28 46 13 31-0774	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	869.81	28.20
28 46 13 31-0775	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,052.08	28.20
28 46 13 31-0776	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	389.95	28.20
28 46 13 31-0777	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	237.43	28.20
28 46 13 31-0778	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	1,023.56	28.20
28 46 13 31-0779	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	357.39	42.30
28 46 13 31-0780	EA	Lexan Window For RCC (Siemens GENBOX-WD)	244.75	22.56
28 46 13 31-0781	EA	Input Driver Module (Siemens MID-16)	667.70	28.20
28 46 13 31-0782	EA	Programmable Output Driver Module (Siemens MOD-16)	667.70	28.20
28 46 13 31-0783	EA	MXL Output/Input Module (Siemens MOI-7)	1,074.40	28.20
28 46 13 31-0784	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	567.26	28.20
28 46 13 31-0785	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	898.33	28.20
28 46 13 31-0786	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,203.96	84.60
28 46 13 31-0787	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,203.96	84.60
28 46 13 31-0788	EA	Network Interface Module (Siemens NIM-1W)	1,607.58	28.20
28 46 13 31-0789	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,193.44	112.80
28 46 13 31-0790	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	464.34	28.20
28 46 13 31-0791	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,432.47	564.00
28 46 13 31-0792	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	550.50	56.40
28 46 13 31-0793	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,432.47	564.00
28 46 13 31-0794	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	565.38	56.40
28 46 13 31-0795	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,359.91	564.00
28 46 13 31-0796	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	5,131.80	564.00
28 46 13 31-0797	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	84.00	14.10
28 46 13 31-0798	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,560.54	56.40
28 46 13 31-0799	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,996.52	56.40
28 46 13 31-0800	EA	Releasing End Of Line Module (Siemens REL-EOL)	191.55	28.20
28 46 13 31-0801	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,176.12	56.40
28 46 13 31-0802	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,986.40	56.40
28 46 13 31-0803	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,086.76	112.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0804		**Complete MXL And MXLV System Packages Without Enclosure** *(28 46 13 31-0770)*		
28 46 13 31-0805	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	14,963.01	564.00
28 46 13 31-0806	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	19,610.34	564.00
28 46 13 31-0807	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	41,314.42	564.00
28 46 13 31-0808		**MXL Basic System** *(28 46 13 31-0770)*		
28 46 13 31-0809	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	9,115.40	564.00
28 46 13 31-0810	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	11,891.65	564.00
28 46 13 31-0811	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,518.94	56.40
28 46 13 31-0812	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,414.19	56.40
28 46 13 31-0813	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,508.35	84.60
28 46 13 31-0814	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	108.80	14.10
28 46 13 31-0815		**MXL/MXLR System Expansion Accessories** *(28 46 13 31-0770)*		
28 46 13 31-0816	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,859.25	84.60
28 46 13 31-0817	EA	Style 4 Communication Module (Siemens NET-4)	377.55	28.20
28 46 13 31-0818	EA	Style 7 Communication Module (Siemens NET-7)	696.21	28.20
28 46 13 31-0819	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	413.51	28.20
28 46 13 31-0820		**Peripheral Devices** *(28 46 13 31-0699)*		
28 46 13 31-0821		**Thermal Detectors** *(28 46 13 31-0820)*		
28 46 13 31-0822	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	145.36	42.30
28 46 13 31-0823	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	145.36	42.30
28 46 13 31-0824	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	145.36	42.30
28 46 13 31-0825	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	145.36	42.30
28 46 13 31-0826	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	238.35	42.30
28 46 13 31-0827	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	238.35	42.30
28 46 13 31-0828	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	614.06	42.30
28 46 13 31-0829		**Beam Smoke Detector** *(28 46 13 31-0820)*		
28 46 13 31-0830	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,957.61	42.30
28 46 13 31-0831	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	335.71	14.10
28 46 13 31-0832	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	339.43	14.10
28 46 13 31-0833	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	170.79	14.10
28 46 13 31-0834		**Bases For Detectors** *(28 46 13 31-0820)*		
28 46 13 31-0835	EA	Detector Base (Siemens DB-11)	46.80	14.10
28 46 13 31-0836	EA	Universal Base (Siemens DB-3S)	43.08	14.10
28 46 13 31-0837		**Manual Stations** *(28 46 13 31-0820)*		
28 46 13 31-0838	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	364.03	33.84
28 46 13 31-0839		**Addressable Devices** *(28 46 13 31-0699)*		
28 46 13 31-0840		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0839)*		
28 46 13 31-0841	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	297.87	42.30
28 46 13 31-0842	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	254.47	42.30
28 46 13 31-0843	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	203.64	42.30
28 46 13 31-0844	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	130.48	42.30
28 46 13 31-0845	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	130.48	42.30
28 46 13 31-0846	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	318.03	28.20
28 46 13 31-0847	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	303.15	28.20
28 46 13 31-0848	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	237.43	28.20
28 46 13 31-0849	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	293.23	28.20
28 46 13 31-0850	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	293.23	28.20
28 46 13 31-0851	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	218.83	28.20
28 46 13 31-0852	EA	Line Isolator Module (Siemens HLIM)	226.27	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0853	EA	Remote Convention Zone Module (Siemens HZM)	340.35	28.20
28 46 13 31-0854	EA	Intelligent Control Point Module (Siemens HCP)	434.58	28.20
28 46 13 31-0855	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,962.52	
28 46 13 31-0856	EA	DPU Carrying Case (Siemens DPU-C1)	299.63	
28 46 13 31-0857	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,359.63	28.20
28 46 13 31-0858		**Air Duct Housings And Detectors** *(28 46 13 31-0839)*		
28 46 13 31-0859	EA	Air-Duct Housing (Siemens AD2-P)	351.39	22.56
28 46 13 31-0860	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	398.51	22.56
28 46 13 31-0861	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	315.55	28.20
28 46 13 31-0862	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	41.72	8.46
28 46 13 31-0863	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	51.08	11.28
28 46 13 31-0864	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	64.16	14.10
28 46 13 31-0865	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	74.76	16.92
28 46 13 31-0866		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0839)*		
28 46 13 31-0867	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	311.51	42.30
28 46 13 31-0868	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	265.63	42.30
28 46 13 31-0869	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	346.23	42.30
28 46 13 31-0870	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	309.35	28.20
28 46 13 31-0871	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	342.83	28.20
28 46 13 31-0872	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	313.07	28.20
28 46 13 31-0873	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	347.79	28.20
28 46 13 31-0874	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	347.79	28.20
28 46 13 31-0875		**Detector Universal Bases** *(28 46 13 31-0839)*		
28 46 13 31-0876	EA	Detector Base With Relay (Siemens DB-X11RS)	146.00	14.10
28 46 13 31-0877	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	71.60	14.10
28 46 13 31-0878	EA	Locking Kit (Siemens LK-11)	12.27	
28 46 13 31-0879	EA	Detector Base With Relay (Siemens DB-X3RS)	146.00	14.10
28 46 13 31-0880	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	170.79	14.10
28 46 13 31-0881	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	67.88	14.10
28 46 13 31-0882	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	31.80	8.46
28 46 13 31-0883	EA	Seal For DB-11 (Siemens DB11-SEAL)	15.26	
28 46 13 31-0884	EA	Gasket For DB-11 (Siemens DB-SEAL)	16.89	
28 46 13 31-0885	EA	Detector Guard Housing (Siemens DGH-11)	216.67	14.10
28 46 13 31-0886	EA	Small Detector Base (Siemens DB-11E)	51.76	14.10
28 46 13 31-0887	EA	Audible Base For Series 3 (Siemens ADBI-60A)	193.11	14.10
28 46 13 31-0888	EA	Base Plug (Siemens DB-11-DP)	12.22	
28 46 13 31-0889		**Air Duct Smoke Detectors** *(28 46 13 31-0839)*		
28 46 13 31-0890	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	156.84	28.20
28 46 13 31-0891	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	858.65	28.20
28 46 13 31-0892		**Notification Devices** *(28 46 13 31-0699)*		
28 46 13 31-0893		**Synchronization Control Devices** *(28 46 13 31-0892)*		
28 46 13 31-0894	EA	Dual Synchronization Control Module (Siemens DSC)	237.43	28.20
28 46 13 31-0895		**Stand-Alone Strobes** *(28 46 13 31-0892)*		
28 46 13 31-0896	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	190.00	42.30
28 46 13 31-0897	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	208.60	42.30
28 46 13 31-0898	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	190.00	42.30
28 46 13 31-0899	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	208.60	42.30
28 46 13 31-0900	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	208.60	42.30
28 46 13 31-0901	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	190.00	42.30
28 46 13 31-0902	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	222.23	42.30
28 46 13 31-0903	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	212.31	42.30
28 46 13 31-0904	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	212.31	42.30
28 46 13 31-0905	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	228.43	42.30
28 46 13 31-0906	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	228.43	42.30
28 46 13 31-0907		**Horns And Strobes** *(28 46 13 31-0892)*		
28 46 13 31-0908	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	263.15	42.30
28 46 13 31-0909	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	279.27	42.30
28 46 13 31-0910	EA	Wall Mounted Horn (Siemens SE-R)	145.36	42.30
28 46 13 31-0911	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	263.15	42.30
28 46 13 31-0912	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	279.27	42.30
28 46 13 31-0913	EA	Ceiling Mounted Horn (Siemens SEC-R)	152.80	42.30
28 46 13 31-0914	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	263.15	42.30
28 46 13 31-0915	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	279.27	42.30
28 46 13 31-0916	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	145.36	42.30
28 46 13 31-0917	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	263.15	42.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0918	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	279.27	42.30
28 46 13 31-0919	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	152.80	42.30
28 46 13 31-0920	EA	Mini Horn (Siemens MH-R)	118.08	42.30
28 46 13 31-0921	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	155.28	42.30
28 46 13 31-0922	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	247.03	42.30
28 46 13 31-0923	EA	Industrial Tri-Tone Horn (Siemens ASR)	735.57	42.30
28 46 13 31-0924	EA	Wall Mounted Horn (Siemens HS-R)	155.28	42.30
28 46 13 31-0925	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	248.27	42.30
28 46 13 31-0926	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	268.11	42.30
28 46 13 31-0927	EA	6" Motor Bell (Siemens MBDC-6)	180.08	42.30
28 46 13 31-0928	EA	10" Motor Bell (Siemens MBDC-10)	198.68	42.30
28 46 13 31-0929		**Mounting Accessories** *(28 46 13 31-0892)*		
28 46 13 31-0930	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	43.08	14.10
28 46 13 31-0931	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	43.08	14.10
28 46 13 31-0932	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	44.32	14.10
28 46 13 31-0933	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	74.08	14.10
28 46 13 31-0934	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	57.96	14.10
28 46 13 31-0935	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	61.68	14.10
28 46 13 31-0936	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	66.64	14.10
28 46 13 31-0937	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	51.76	14.10
28 46 13 31-0938	EA	Semi-Flush Plate (Siemens SFPS-R)	41.84	14.10
28 46 13 31-0939	EA	Square Surface Back Box (Siemens SHBBS-R)	51.76	14.10
28 46 13 31-0940	EA	Horn Adapter Plate (Siemens SHMPS-R)	49.28	14.10
28 46 13 31-0941	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	43.08	14.10
28 46 13 31-0942	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	57.96	14.10
28 46 13 31-0943	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	61.68	14.10
28 46 13 31-0944	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	59.20	14.10
28 46 13 31-0945	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	66.64	14.10
28 46 13 31-0946	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	66.64	14.10
28 46 13 31-0947	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	66.64	14.10
28 46 13 31-0948	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	61.68	14.10
28 46 13 31-0949	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	61.68	14.10
28 46 13 31-0950	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	43.08	14.10
28 46 13 31-0951	EA	Z Series Back Box (Siemens ZBB-R)	49.28	14.10
28 46 13 31-0952		**Door Holders** *(28 46 13 31-0892)*		
28 46 13 31-0953	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	404.51	42.30
28 46 13 31-0954	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	404.51	42.30
28 46 13 31-0955		**Voice Equipment** *(28 46 13 31-0699)*		
28 46 13 31-0956		**Voicecom** *(28 46 13 31-0955)*		
28 46 13 31-0957	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	6,230.39	564.00
28 46 13 31-0958	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	10,012.24	564.00
28 46 13 31-0959		**Johnson Controls Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0960	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	229.13	42.30
28 46 13 31-0961	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	226.44	42.30
28 46 13 31-0962	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	288.00	42.30
28 46 13 31-0963	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	287.15	42.30
28 46 13 31-0964	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	819.51	56.40
28 46 13 31-0965	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	215.40	42.30
28 46 13 31-0966	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	189.93	42.30
28 46 13 31-0967	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	184.53	42.30
28 46 13 31-0968	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	599.71	42.30
28 46 13 31-0969	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,977.52	84.60
28 46 13 31-0970	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,883.61	84.60
28 46 13 31-0971	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,934.27	84.60
28 46 13 31-0972	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,807.77	84.60
28 46 13 31-0973	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,346.35	84.60
28 46 13 31-0974	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,346.35	84.60
28 46 13 31-0975	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,375.70	28.20
28 46 13 31-0976	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,431.46	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0977	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,047.77	28.20
28 46 13 31-0978	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,047.77	28.20
28 46 13 31-0979	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	735.02	28.20
28 46 13 31-0980	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,387.43	56.40
28 46 13 31-0981	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,047.77	28.20
28 46 13 31-0982	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,089.68	28.20
28 46 13 31-0983	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	937.80	28.20
28 46 13 31-0984	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	937.80	28.20
28 46 13 31-0985	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	147.43	25.38
28 46 13 31-0986	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,428.32	56.40
28 46 13 31-0987	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	3,145.64	56.40
28 46 13 31-0988	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,428.32	56.40
28 46 13 31-0989	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	3,145.64	56.40
28 46 13 31-0990	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	50.94	14.10
28 46 13 31-0991	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	148.78	14.10
28 46 13 31-0992	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	139.93	14.10
28 46 13 31-0993	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	54.72	14.10
28 46 13 31-0994	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	48.44	14.10
28 46 13 31-0995	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	1,034.12	56.40
28 46 13 31-0996	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,443.83	84.60
28 46 13 31-0997	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,586.01	84.60
28 46 13 31-0998	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	284.10	14.10
28 46 13 31-0999	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	189.33	14.10
28 46 13 31-1000	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,445.93	84.60
28 46 13 31-1001	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,254.27	84.60
28 46 13 31-1002	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,254.27	84.60
28 46 13 31-1003	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,652.94	84.60
28 46 13 31-1004	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,443.83	84.60
28 46 13 31-1005	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,443.83	84.60
28 46 13 31-1006	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,443.83	84.60
28 46 13 31-1007	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,931.25	84.60
28 46 13 31-1008	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,931.25	84.60
28 46 13 31-1009	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,931.25	84.60
28 46 13 31-1010	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	295.36	28.20
28 46 13 31-1011	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	461.11	28.20
28 46 13 31-1012	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	37.66	11.28
28 46 13 31-1013	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	41.57	11.28
28 46 13 31-1014	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	106.75	16.92
28 46 13 31-1015	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	50.30	11.28
28 46 13 31-1016	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	62.03	14.10
28 46 13 31-1017	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	463.92	28.20
28 46 13 31-1018	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	766.78	56.40
28 46 13 31-1019	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	618.75	84.60
28 46 13 31-1020	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	874.01	84.60
28 46 13 31-1021	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	959.31	84.60
28 46 13 31-1022	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	523.54	11.28
28 46 13 31-1023	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	792.12	11.28
28 46 13 31-1024	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	871.11	11.28
28 46 13 31-1025	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,004.84	112.80
28 46 13 31-1026	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,335.74	112.80
28 46 13 31-1027	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,278.10	84.60
28 46 13 31-1028	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	236.72	14.10
28 46 13 31-1029	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	676.24	28.20
28 46 13 31-1030	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	344.12	42.30
28 46 13 31-1031	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	276.89	42.30
28 46 13 31-1032	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	292.19	42.30
28 46 13 31-1033	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,504.34	56.40
28 46 13 31-1034	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	3,065.34	56.40
28 46 13 31-1035	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	920.63	28.20
28 46 13 31-1036	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	6,138.42	451.20
28 46 13 31-1037	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	3,092.57	56.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1038	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	40,617.78	676.80
28 46 13 31-1039	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	44,408.83	676.80
28 46 13 31-1040	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	50,095.42	676.80
28 46 13 31-1041	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	44,408.83	676.80
28 46 13 31-1042	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	295.43	16.92
28 46 13 31-1043	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	333.34	16.92
28 46 13 31-1044	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	363.67	16.92
28 46 13 31-1045	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	685.91	16.92
28 46 13 31-1046	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	219.68	11.28
28 46 13 31-1047	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.	339.51	25.38
28 46 13 31-1048	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.	361.25	25.38
28 46 13 31-1049	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D)	672.48	25.38
28 46 13 31-1050	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	676.54	11.28
28 46 13 31-1051	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	913.48	11.28
28 46 13 31-1052	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,131.46	11.28
28 46 13 31-1053	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	307.88	28.20
28 46 13 31-1054	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	144.47	11.28
28 46 13 31-1055	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	6,124.07	451.20
28 46 13 31-1056	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,415.93	338.40
28 46 13 31-1057	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	8,005.96	451.20
28 46 13 31-1058	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,728.31	338.40
28 46 13 31-1059	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,529.90	338.40
28 46 13 31-1060	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	3,085.81	42.30
28 46 13 31-1061	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	3,117.44	42.30
28 46 13 31-1062	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	3,117.44	42.30
28 46 13 31-1063	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,686.84	56.40
28 46 13 31-1064	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	3,121.00	56.40
28 46 13 31-1065	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,572.34	338.40
28 46 13 31-1066	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,210.43	56.40
28 46 13 31-1067	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,814.19	56.40
28 46 13 31-1068	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,934.08	56.40
28 46 13 31-1069	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	909.60	14.10
28 46 13 31-1070	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	289.81	11.28
28 46 13 31-1071	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	358.05	11.28
28 46 13 31-1072	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	731.46	14.10
28 46 13 31-1073	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,347.50	14.10
28 46 13 31-1074	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,446.46	14.10
28 46 13 31-1075	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	186.26	14.10
28 46 13 31-1076	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	300.37	14.10
28 46 13 31-1077	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	144.92	14.10
28 46 13 31-1078	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	205.79	14.10
28 46 13 31-1079	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	160.91	14.10
28 46 13 31-1080	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	266.19	14.10
28 46 13 31-1081	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	304.41	14.10
28 46 13 31-1082	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	169.04	14.10
28 46 13 31-1083	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,571.53	42.30
28 46 13 31-1084	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,291.21	28.20
28 46 13 31-1085	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,116.83	28.20
28 46 13 31-1086	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	77.62	5.64
28 46 13 31-1087	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-F)	1,850.34	28.20
28 46 13 31-1088	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-W)	1,761.38	28.20
28 46 13 31-1089	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,503.50	56.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1090	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,245.68	28.20
28 46 13 31-1091	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	339.09	11.28
28 46 13 31-1092	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	782.40	28.20
28 46 13 31-1093	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	782.40	28.20
28 46 13 31-1094	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	208.34	11.28
28 46 13 31-1095	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	54.14	5.64
28 46 13 31-1096	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	54.14	5.64
28 46 13 31-1097	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	198.35	42.30
28 46 13 31-1098	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	224.87	42.30
28 46 13 31-1099	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	266.48	47.94
28 46 13 31-1100	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	262.67	47.94
28 46 13 31-1101	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,853.87	112.80
28 46 13 31-1102	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,436.83	112.80
28 46 13 31-1103	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	198.35	42.30
28 46 13 31-1104	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	224.87	42.30
28 46 13 31-1105	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	198.35	42.30
28 46 13 31-1106	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	34.60	11.28
28 46 13 31-1107	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	41.70	5.64
28 46 13 31-1108	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	47.79	5.64
28 46 13 31-1109	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	41.75	5.64
28 46 13 31-1110	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	180.06	42.30
28 46 13 31-1111	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	224.87	42.30
28 46 13 31-1112	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	266.48	47.94
28 46 13 31-1113	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	224.87	42.30
28 46 13 31-1114	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	262.67	47.94
28 46 13 31-1115	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	198.35	42.30
28 46 13 31-1116	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	198.35	42.30
28 46 13 31-1117	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	224.87	42.30
28 46 13 31-1118	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	224.87	42.30
28 46 13 31-1119	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	198.35	42.30
28 46 13 31-1120	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	291.66	14.10
28 46 13 31-1121	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,289.42	56.40
28 46 13 31-1122	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	296.48	56.40
28 46 13 31-1123	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	125.19	28.20
28 46 13 31-1124	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	125.19	28.20
28 46 13 31-1125	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	240.08	28.20
28 46 13 31-1126	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	262.06	28.20
28 46 13 31-1127	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	262.06	28.20
28 46 13 31-1128	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	231.35	28.20
28 46 13 31-1129	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	319.34	28.20
28 46 13 31-1130	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	240.08	28.20
28 46 13 31-1131	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	125.19	28.20
28 46 13 31-1132	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	125.19	28.20
28 46 13 31-1133	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	262.06	28.20
28 46 13 31-1134	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	240.08	28.20
28 46 13 31-1135	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	240.08	28.20

28 46 13 31-1136 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-1137 Notifier Fire Alarm *(28 46 13 31-1136)*

28 46 13 31-1138 Fire Alarm Control Panel And Accessories *(28 46 13 31-1137)*

28 46 13 31-1139	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	5,911.99	564.00
28 46 13 31-1140	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	4,852.18	564.00
28 46 13 31-1141	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	5,399.77	564.00
28 46 13 31-1142	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	5,899.52	564.00
28 46 13 31-1143	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	5,779.98	564.00
28 46 13 31-1144	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	5,627.81	564.00
28 46 13 31-1145	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,482.50	564.00
28 46 13 31-1146	EA	Two-Tone Sequential Module (Notifier 2TTM)	375.62	28.20
28 46 13 31-1147	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	94.80	5.64
28 46 13 31-1148	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	181.60	11.28
28 46 13 31-1149	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	275.83	16.92
28 46 13 31-1150	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-1151	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-1152	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,368.09	564.00
28 46 13 31-1153	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,424.15	564.00
28 46 13 31-1154	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	236.68	5.64
28 46 13 31-1155	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	71.92	5.64
28 46 13 31-1156	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	101.22	11.28
28 46 13 31-1157	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	99.14	14.10
28 46 13 31-1158	EA	IP Communicator (Notifier IPDACT-2)	765.77	28.20
28 46 13 31-1159	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	889.34	28.20
28 46 13 31-1160	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	202.85	28.20
28 46 13 31-1161	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	202.28	28.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1162	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	50.82	11.28
28 46 13 31-1163	EA	Loop Control Module (Notifier LCM-320)	2,203.32	56.40
28 46 13 31-1164	EA	Loop Expander Module (Notifier LEM-320)	1,758.09	56.40
28 46 13 31-1165	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,669.96	56.40
28 46 13 31-1166	EA	7' DACT Phone Cord (Notifier MCBL-7)	24.67	
28 46 13 31-1167	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	218.70	14.10
28 46 13 31-1168	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	246.90	28.20
28 46 13 31-1169	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	246.90	28.20
28 46 13 31-1170	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	1,120.35	28.20
28 46 13 31-1171	EA	Universal Zone Coder (Notifier UZC-256)	1,571.18	28.20
28 46 13 31-1172	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	493.67	
28 46 13 31-1173	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	732.87	
28 46 13 31-1174	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	479.24	
28 46 13 31-1175	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	7,081.78	16.92
28 46 13 31-1176	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	53.49	14.10
28 46 13 31-1177	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,830.63	564.00
28 46 13 31-1178	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	4,126.47	564.00

28 46 13 31-1179 ONYX Cabinets *(28 46 13 31-1137)*

28 46 13 31-1180	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	539.65	14.10
28 46 13 31-1181	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	723.61	14.10
28 46 13 31-1182	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	893.63	14.10
28 46 13 31-1183	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	128.80	16.92
28 46 13 31-1184	EA	Chassis Bridge (Notifier CB-1)	117.16	14.10
28 46 13 31-1185	EA	Four Position Chassis (Notifier CHS-4)	198.11	14.10
28 46 13 31-1186	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	219.87	28.20
28 46 13 31-1187	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	113.36	16.92
28 46 13 31-1188	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	144.54	16.92
28 46 13 31-1189	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	411.05	28.20
28 46 13 31-1190	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	260.05	28.20
28 46 13 31-1191	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	519.61	42.30
28 46 13 31-1192	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	318.73	42.30
28 46 13 31-1193	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	776.39	56.40
28 46 13 31-1194	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	470.23	56.40
28 46 13 31-1195	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	941.74	70.50
28 46 13 31-1196	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	545.53	70.50
28 46 13 31-1197	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	314.24	14.10
28 46 13 31-1198	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	215.84	14.10
28 46 13 31-1199	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	215.84	14.10
28 46 13 31-1200	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	319.96	14.10
28 46 13 31-1201	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	243.30	14.10
28 46 13 31-1202	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	405.77	14.10
28 46 13 31-1203	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	277.05	14.10
28 46 13 31-1204	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	483.57	14.10
28 46 13 31-1205	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	398.90	14.10
28 46 13 31-1206	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	718.12	14.10
28 46 13 31-1207	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	446.96	14.10
28 46 13 31-1208	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	860.00	14.10
28 46 13 31-1209	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	412.23	28.20
28 46 13 31-1210	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	609.02	28.20
28 46 13 31-1211	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	714.29	28.20
28 46 13 31-1212	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	431.68	28.20
28 46 13 31-1213	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	652.50	28.20
28 46 13 31-1214	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	762.34	28.20
28 46 13 31-1215	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	415.66	28.20
28 46 13 31-1216	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	609.02	28.20
28 46 13 31-1217	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	723.44	28.20
28 46 13 31-1218	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	452.28	28.20
28 46 13 31-1219	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	652.50	28.20
28 46 13 31-1220	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	762.34	28.20
28 46 13 31-1221	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	4,546.31	141.00
28 46 13 31-1222	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	387.06	28.20
28 46 13 31-1223	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	438.36	84.60
28 46 13 31-1224	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	623.00	112.80
28 46 13 31-1225	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	836.75	112.80
28 46 13 31-1226	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,016.64	141.00
28 46 13 31-1227	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	242.90	28.20
28 46 13 31-1228	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	242.90	28.20
28 46 13 31-1229	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	295.53	28.20
28 46 13 31-1230	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	411.09	28.20
28 46 13 31-1231	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	602.16	28.20
28 46 13 31-1232	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	712.00	28.20
28 46 13 31-1233	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	234.64	16.92
28 46 13 31-1234	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	234.64	16.92
28 46 13 31-1235	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	316.45	16.92
28 46 13 31-1236	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	250.08	16.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1237	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	251.80	16.92
28 46 13 31-1238	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	248.94	16.92
28 46 13 31-1239	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	255.23	16.92
28 46 13 31-1240	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	90.36	16.92
28 46 13 31-1241	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	63.00	5.64
28 46 13 31-1242		**NFS2-3030/640 Cabinet Mechanicals** *(28 46 13 31-1137)*		
28 46 13 31-1243	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	149.42	16.92
28 46 13 31-1244	EA	Blank Module Dress Plate (Notifier BM-1B)	122.50	16.92
28 46 13 31-1245	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	139.92	16.92
28 46 13 31-1246	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	308.52	14.10
28 46 13 31-1247	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	312.59	42.30
28 46 13 31-1248	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	155.75	16.92
28 46 13 31-1249		**NFS-3030/640 Cabinet Mechanicals** *(28 46 13 31-1137)*		
28 46 13 31-1250	EA	Annunciator Dress Plate (Notifier ADP-4B)	141.50	16.92
28 46 13 31-1251	EA	Blank Module Dress Plate (Notifier BMP-1)	86.09	16.92
28 46 13 31-1252	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	198.10	28.20
28 46 13 31-1253	EA	Module Dress Plate (Notifier MP-1B)	143.09	16.92
28 46 13 31-1254		**Battery Cabinets** *(28 46 13 31-1137)*		
28 46 13 31-1255	EA	Six Position Chassis (Notifier CHS-6)	123.37	28.20
28 46 13 31-1256	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	634.68	84.60
28 46 13 31-1257		**Digital Voice** *(28 46 13 31-1137)*		
28 46 13 31-1258	EA	Chassis Used With BB-XP (Notifier 18439)	57.38	14.10
28 46 13 31-1259	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	3,223.87	42.30
28 46 13 31-1260	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	3,132.20	42.30
28 46 13 31-1261	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,555.80	42.30
28 46 13 31-1262	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	665.66	42.30
28 46 13 31-1263	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	902.86	56.40
28 46 13 31-1264	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,124.22	70.50
28 46 13 31-1265	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	1,359.29	28.20
28 46 13 31-1266	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	1,359.29	28.20
28 46 13 31-1267	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,943.20	28.20
28 46 13 31-1268	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	121.73	14.10
28 46 13 31-1269	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	206.69	14.10
28 46 13 31-1270	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	207.83	14.10
28 46 13 31-1271	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	200.97	14.10
28 46 13 31-1272	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	203.26	14.10
28 46 13 31-1273	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	416.07	14.10
28 46 13 31-1274	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	317.67	14.10
28 46 13 31-1275	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	130.27	
28 46 13 31-1276	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	800.27	28.20
28 46 13 31-1277	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	807.78	28.20
28 46 13 31-1278	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	120.02	14.10
28 46 13 31-1279	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	170.40	28.20
28 46 13 31-1280	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	550.08	42.30
28 46 13 31-1281	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	241.18	28.20
28 46 13 31-1282	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	241.18	28.20
28 46 13 31-1283	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	314.24	14.10
28 46 13 31-1284	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	310.81	14.10
28 46 13 31-1285	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,333.16	28.20
28 46 13 31-1286	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	2,020.48	28.20
28 46 13 31-1287	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	2,020.48	28.20
28 46 13 31-1288	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,409.15	28.20
28 46 13 31-1289	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,139.52	28.20
28 46 13 31-1290	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,502.57	28.20
28 46 13 31-1291	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,645.42	28.20
28 46 13 31-1292	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,645.42	28.20
28 46 13 31-1293	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	2,627.62	28.20
28 46 13 31-1294	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	2,702.76	28.20
28 46 13 31-1295	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	2,819.98	28.20
28 46 13 31-1296	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,775.56	28.20
28 46 13 31-1297	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,823.65	28.20
28 46 13 31-1298	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,867.23	28.20
28 46 13 31-1299	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,930.34	28.20
28 46 13 31-1300	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,943.87	28.20
28 46 13 31-1301	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	2,002.47	28.20
28 46 13 31-1302	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	2,061.08	28.20
28 46 13 31-1303	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	2,166.28	28.20
28 46 13 31-1304	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	139.47	14.10
28 46 13 31-1305	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	133.59	16.92
28 46 13 31-1306	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	155.75	16.92
28 46 13 31-1307	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	274.50	16.92
28 46 13 31-1308	EA	WPS Power Amplifier (Notifier DPA3204P)	955.05	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1309	EA	WPS Power Amplifier (Notifier DPA4001P)	800.27	28.20
28 46 13 31-1310	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,846.19	28.20
28 46 13 31-1311	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,372.82	28.20
28 46 13 31-1312	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,389.35	28.20
28 46 13 31-1313	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	2,336.09	28.20
28 46 13 31-1314	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	890.43	28.20
28 46 13 31-1315	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	363.03	28.20
28 46 13 31-1316	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	363.03	28.20
28 46 13 31-1317	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	363.03	28.20
28 46 13 31-1318	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	151.65	28.20
28 46 13 31-1319	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	396.81	28.20
28 46 13 31-1320	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,352.16	28.20
28 46 13 31-1321	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	659.03	56.40
28 46 13 31-1322	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	291.60	
28 46 13 31-1323	EA	Portable Fireman's Telephone Handset (Notifier FHS)	174.32	
28 46 13 31-1324	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	202.35	
28 46 13 31-1325	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	502.62	28.20
28 46 13 31-1326	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	502.62	28.20
28 46 13 31-1327	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	81.22	8.46
28 46 13 31-1328	EA	Paging Microphone Only (Notifier MIC-1)	263.81	28.20
28 46 13 31-1329	EA	Firefighter's Telephone Handset (Notifier TELH-1)	199.49	
28 46 13 31-1330	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	672.30	28.20
28 46 13 31-1331	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	672.30	28.20

28 46 13 31-1332 Amplifiers *(28 46 13 31-1137)*

28 46 13 31-1333	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,305.61	28.20
28 46 13 31-1334	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	2,865.14	28.20
28 46 13 31-1335	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	2,782.81	28.20
28 46 13 31-1336	EA	Audio Coupling Transformer (Notifier ACT-1)	187.81	28.20
28 46 13 31-1337	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	222.64	28.20
28 46 13 31-1338	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	222.64	28.20
28 46 13 31-1339	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	222.64	28.20
28 46 13 31-1340	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	2,514.92	28.20
28 46 13 31-1341	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	2,602.08	28.20
28 46 13 31-1342	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	2,704.26	28.20
28 46 13 31-1343	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	4,955.40	28.20
28 46 13 31-1344	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	965.57	28.20
28 46 13 31-1345	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	970.08	28.20

28 46 13 31-1346 FireVoice-25/50 Emergency Voice Evacuation Control Panels *(28 46 13 31-1137)*

28 46 13 31-1347	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,243.64	564.00
28 46 13 31-1348	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,627.74	564.00
28 46 13 31-1349	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,788.33	564.00
28 46 13 31-1350	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,306.03	564.00
28 46 13 31-1351	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	7,002.39	564.00

28 46 13 31-1352 System Printer *(28 46 13 31-1137)*

28 46 13 31-1353	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	2,846.14	28.20

28 46 13 31-1354 Batteries *(28 46 13 31-1137)*

28 46 13 31-1355	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	652.50	28.20
28 46 13 31-1356	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	597.88	28.20
28 46 13 31-1357	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	791.04	28.20
28 46 13 31-1358	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	455.39	28.20
28 46 13 31-1359	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	642.21	28.20
28 46 13 31-1360	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	640.63	28.20
28 46 13 31-1361	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	1,028.22	28.20

28 46 13 31-1362 Battery Back Boxes And Miscellaneous Mechanicals *(28 46 13 31-1137)*

28 46 13 31-1363	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	176.13	22.56
28 46 13 31-1364	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	299.12	22.56
28 46 13 31-1365	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	475.76	112.80
28 46 13 31-1366	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	218.63	56.40
28 46 13 31-1367	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	127.17	14.10
28 46 13 31-1368	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	294.57	22.56
28 46 13 31-1369	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	237.34	22.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1370	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	264.22	22.56
28 46 13 31-1371	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	281.96	22.56
28 46 13 31-1372	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	421.55	22.56
28 46 13 31-1373	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	247.63	22.56
28 46 13 31-1374	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	352.90	22.56
28 46 13 31-1375	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	304.84	22.56
28 46 13 31-1376	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	311.71	22.56
28 46 13 31-1377	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	271.66	22.56
28 46 13 31-1378	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	254.50	22.56

28 46 13 31-1379 Power Supplies And Chargers *(28 46 13 31-1137)*

28 46 13 31-1380	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	2,155.40	42.30
28 46 13 31-1381	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	2,263.60	42.30
28 46 13 31-1382	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	2,002.25	28.20
28 46 13 31-1383	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,079.51	28.20
28 46 13 31-1384	EA	10 Amperes Battery Charger (Notifier BC10A)	1,176.12	42.30
28 46 13 31-1385	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	643.19	33.84
28 46 13 31-1386	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	651.20	33.84
28 46 13 31-1387	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	1,262.37	33.84
28 46 13 31-1388	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	1,262.37	33.84
28 46 13 31-1389	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	221.16	28.20
28 46 13 31-1390	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,539.93	28.20
28 46 13 31-1391	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	99.14	14.10
28 46 13 31-1392	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	158.06	14.10
28 46 13 31-1393	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	1,015.87	28.20
28 46 13 31-1394	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	1,209.11	84.60
28 46 13 31-1395	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	1,153.51	84.60
28 46 13 31-1396	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	1,347.36	84.60
28 46 13 31-1397	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	1,335.34	84.60
28 46 13 31-1398	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	1,340.91	42.30
28 46 13 31-1399	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	1,340.91	42.30
28 46 13 31-1400	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,673.02	42.30
28 46 13 31-1401	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,596.38	42.30
28 46 13 31-1402	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,698.56	84.60
28 46 13 31-1403	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,698.56	84.60
28 46 13 31-1404	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	1,126.46	84.60
28 46 13 31-1405	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	1,126.46	84.60
28 46 13 31-1406	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	1,222.63	84.60
28 46 13 31-1407	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	1,222.63	84.60
28 46 13 31-1408	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	965.66	84.60
28 46 13 31-1409	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	1,153.51	84.60
28 46 13 31-1410	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	252.11	14.10
28 46 13 31-1411	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,574.10	28.20
28 46 13 31-1412	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	218.87	28.20
28 46 13 31-1413	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,765.76	28.20
28 46 13 31-1414	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	1,170.04	84.60
28 46 13 31-1415	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	1,222.63	84.60
28 46 13 31-1416	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	1,162.43	28.20
28 46 13 31-1417	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	1,124.96	84.60
28 46 13 31-1418	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	1,096.40	84.60

28 46 13 31-1419 Network Control Annunciators *(28 46 13 31-1137)*

28 46 13 31-1420	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	2,781.61	84.60
28 46 13 31-1421	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	98.75	16.92
28 46 13 31-1422	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	68.67	16.92

28 46 13 31-1423 FIRSTVISION Firefighter's Display *(28 46 13 31-1137)*

28 46 13 31-1424	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	21,255.36	564.00

28 46 13 31-1425 FlashScan Addressable Modules *(28 46 13 31-1137)*

28 46 13 31-1426	EA	Intelligent Addressable Control Module (Notifier FCM-1)	228.98	28.20
28 46 13 31-1427	EA	Addressable Dual Monitor Module (Notifier FDM-1)	257.48	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1428	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	187.81	28.20
28 46 13 31-1429	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	165.65	28.20
28 46 13 31-1430	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	357.22	28.20
28 46 13 31-1431	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	183.69	28.20
28 46 13 31-1432	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	292.31	28.20
28 46 13 31-1433	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	184.65	28.20
28 46 13 31-1434		**Addressable Device Bases And Accessories** *(28 46 13 31-1137)*		
28 46 13 31-1435	EA	Intelligent Detector Base With Flange (Notifier B710LP)	62.12	14.10
28 46 13 31-1436	EA	Weatherproof Device Housing (Notifier DH400OE-1)	612.13	28.20
28 46 13 31-1437	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	57.38	14.10
28 46 13 31-1438	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	324.53	14.10
28 46 13 31-1439	EA	Swift AV Base Wall (Notifier WAV-RL)	324.53	14.10
28 46 13 31-1440	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	222.05	16.92
28 46 13 31-1441	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	222.05	16.92
28 46 13 31-1442	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	597.03	28.20
28 46 13 31-1443		**XP6/XP10 Transponder** *(28 46 13 31-1137)*		
28 46 13 31-1444	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	164.85	28.20
28 46 13 31-1445	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	886.04	28.20
28 46 13 31-1446	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,076.03	28.20
28 46 13 31-1447	EA	Six Relay Control Module (Notifier XP6-R)	851.21	28.20
28 46 13 31-1448	EA	Ten Input Monitor Module (Notifier XP10-M)	1,028.53	28.20
28 46 13 31-1449		**LCD Display Annunciators** *(28 46 13 31-1137)*		
28 46 13 31-1450	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,111.25	84.60
28 46 13 31-1451	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,578.32	84.60
28 46 13 31-1452	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,635.32	84.60
28 46 13 31-1453	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	930.53	28.20
28 46 13 31-1454	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	490.03	28.20
28 46 13 31-1455	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,207.41	28.20
28 46 13 31-1456	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	782.33	84.60
28 46 13 31-1457		**ONYX ACM And AEM Series LED Annunciators** *(28 46 13 31-1137)*		
28 46 13 31-1458	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	530.08	28.20
28 46 13 31-1459	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,178.95	28.20
28 46 13 31-1460	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	898.70	28.20
28 46 13 31-1461	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,178.95	28.20
28 46 13 31-1462	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	898.70	28.20
28 46 13 31-1463	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	898.70	28.20
28 46 13 31-1464	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	803.71	28.20
28 46 13 31-1465	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	898.70	28.20
28 46 13 31-1466	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	803.71	28.20
28 46 13 31-1467		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-1137)*		
28 46 13 31-1468	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	343.96	56.40
28 46 13 31-1469	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	377.21	56.40
28 46 13 31-1470	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	430.74	70.50
28 46 13 31-1471	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	473.49	70.50
28 46 13 31-1472	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	770.55	98.70
28 46 13 31-1473	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	137.54	16.92
28 46 13 31-1474	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	208.59	56.40
28 46 13 31-1475	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	161.11	14.10
28 46 13 31-1476	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	269.54	56.40
28 46 13 31-1477	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	495.65	70.50
28 46 13 31-1478	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	301.35	14.10
28 46 13 31-1479	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	813.30	98.70
28 46 13 31-1480	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	508.19	16.92
28 46 13 31-1481	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	195.11	22.56
28 46 13 31-1482	EA	Annunciator Key Switch (Notifier AKS-1B)	114.46	8.46
28 46 13 31-1483	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	123.69	28.20
28 46 13 31-1484	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	803.71	28.20
28 46 13 31-1485	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	202.93	5.64
28 46 13 31-1486	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	254.41	5.64
28 46 13 31-1487	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	659.63	28.20
28 46 13 31-1488	EA	Lamp Driver Module (Notifier LDM-R32)	988.88	28.20
28 46 13 31-1489	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	916.80	28.20
28 46 13 31-1490	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	261.28	5.64
28 46 13 31-1491	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	232.35	16.92
28 46 13 31-1492	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	117.98	16.92
28 46 13 31-1493	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	117.98	16.92
28 46 13 31-1494		**Network Gateways** *(28 46 13 31-1137)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1495	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	4,714.96	28.20
28 46 13 31-1496	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	3,500.73	28.20
28 46 13 31-1497	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	3,948.55	28.20
28 46 13 31-1498	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	4,354.29	28.20
28 46 13 31-1499	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	3,532.28	28.20
28 46 13 31-1500	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	3,436.11	28.20
28 46 13 31-1501	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	3,873.41	28.20
28 46 13 31-1502	EA	Modbus Gateway (Notifier MODBUS-GW)	3,858.38	28.20
28 46 13 31-1503	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	4,462.51	18.61
28 46 13 31-1504	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	6,656.54	18.61
28 46 13 31-1505	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	21,188.23	18.61
28 46 13 31-1506	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	621.14	42.30
28 46 13 31-1507	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,139.38	42.30
28 46 13 31-1508	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,663.72	42.30
28 46 13 31-1509	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,779.27	
28 46 13 31-1510	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,444.62	28.20
28 46 13 31-1511	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,444.62	28.20
28 46 13 31-1512	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	5,361.14	28.20
28 46 13 31-1513	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	6,247.77	28.20
28 46 13 31-1514	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	5,361.14	28.20
28 46 13 31-1515	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,444.62	28.20
28 46 13 31-1516	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,463.28	
28 46 13 31-1517	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	38,502.94	676.80
28 46 13 31-1518	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	5,800.00	
28 46 13 31-1519	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	5,800.00	
28 46 13 31-1520	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,619.27	28.20
28 46 13 31-1521	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	1,314.21	28.20
28 46 13 31-1522	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,568.18	28.20
28 46 13 31-1523	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,753.02	28.20
28 46 13 31-1524	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	3,678.05	28.20
28 46 13 31-1525	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,202.54	28.20
28 46 13 31-1526	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,438.80	
28 46 13 31-1527	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	2,247.44	18.61
28 46 13 31-1528	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	513.02	28.20
28 46 13 31-1529		**NOTI-FIRE-NET Network Components** *(28 46 13 31-1137)*		
28 46 13 31-1530	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,444.62	28.20
28 46 13 31-1531	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,524.10	28.20
28 46 13 31-1532	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,444.62	28.20
28 46 13 31-1533	EA	Wired Network Communications Module (Notifier NCM-W)	1,451.27	28.20
28 46 13 31-1534	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	138.90	14.10
28 46 13 31-1535		**FireWarden Addressable Fire Panels** *(28 46 13 31-1137)*		
28 46 13 31-1536	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	2,640.03	564.00
28 46 13 31-1537	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,202.10	564.00
28 46 13 31-1538	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	3,691.71	282.00
28 46 13 31-1539	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	3,691.71	282.00
28 46 13 31-1540	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	3,673.68	282.00
28 46 13 31-1541	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	4,289.81	564.00
28 46 13 31-1542	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,943.33	564.00
28 46 13 31-1543		**FireWarden Accessories** *(28 46 13 31-1137)*		
28 46 13 31-1544	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	219.61	42.30
28 46 13 31-1545	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	208.17	42.30
28 46 13 31-1546		**FireWarden Devices** *(28 46 13 31-1137)*		
28 46 13 31-1547	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	183.06	28.20
28 46 13 31-1548	EA	Intelligent Addressable Control Module (Notifier NC-100)	221.06	28.20
28 46 13 31-1549	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	211.56	28.20
28 46 13 31-1550	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	493.49	42.30
28 46 13 31-1551	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	600.62	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1552	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	211.56	28.20
28 46 13 31-1553	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	208.10	42.30
28 46 13 31-1554	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	208.10	42.30
28 46 13 31-1555	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	208.10	42.30
28 46 13 31-1556	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	290.43	42.30
28 46 13 31-1557	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	179.90	28.20
28 46 13 31-1558	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	161.69	28.20
28 46 13 31-1559	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	250.35	28.20
28 46 13 31-1560	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	219.18	42.30
28 46 13 31-1561	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	282.81	28.20
28 46 13 31-1562	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,050.70	28.20
28 46 13 31-1563		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-1137)*		
28 46 13 31-1564	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,694.04	451.20
28 46 13 31-1565	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,898.28	451.20
28 46 13 31-1566	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,486.69	141.00
28 46 13 31-1567	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,725.63	141.00
28 46 13 31-1568	EA	Class A Converter Module (Notifier CAC-4)	437.40	28.20
28 46 13 31-1569	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	157.69	16.92
28 46 13 31-1570	EA	Remote Zone Annunciator (Notifier RZA-4X)	225.33	42.30
28 46 13 31-1571	EA	Red, Dress Panel (Notifier DP-51050)	191.16	16.92
28 46 13 31-1572	EA	Black, Dress Panel (Notifier DP-51050B)	193.45	16.92
28 46 13 31-1573		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-1137)*		
28 46 13 31-1574	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	2,703.36	564.00
28 46 13 31-1575	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	3,810.27	423.00
28 46 13 31-1576	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,514.63	282.00
28 46 13 31-1577	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	2,514.63	282.00
28 46 13 31-1578	EA	Class A Converter Module (Notifier N-CAC-5X)	453.42	28.20
28 46 13 31-1579	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	171.14	16.92
28 46 13 31-1580	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	4,458.58	423.00
28 46 13 31-1581	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,949.35	282.00
28 46 13 31-1582	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,917.79	282.00
28 46 13 31-1583		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-1137)*		
28 46 13 31-1584	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	4,646.02	564.00
28 46 13 31-1585	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	3,474.41	423.00
28 46 13 31-1586	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,146.68	564.00
28 46 13 31-1587	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	4,038.41	564.00
28 46 13 31-1588	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	846.84	84.60
28 46 13 31-1589	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	5,384.75	564.00
28 46 13 31-1590	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	4,012.26	423.00
28 46 13 31-1591	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	4,538.69	564.00
28 46 13 31-1592		**Smoke Detectors** *(28 46 13 31-1137)*		
28 46 13 31-1593	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	312.59	42.30
28 46 13 31-1594	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	543.75	42.30
28 46 13 31-1595	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,513.02	42.30
28 46 13 31-1596	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	195.58	42.30
28 46 13 31-1597	EA	Filters For Harsh Detector (Notifier RF-FTX)	23.68	
28 46 13 31-1598	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	187.42	28.20
28 46 13 31-1599	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	2,558.14	42.30
28 46 13 31-1600	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	203.88	42.30
28 46 13 31-1601	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	222.76	42.30
28 46 13 31-1602	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	213.32	42.30
28 46 13 31-1603	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	230.48	42.30
28 46 13 31-1604	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	214.46	42.30
28 46 13 31-1605	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	231.62	42.30
28 46 13 31-1606	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	173.84	42.30
28 46 13 31-1607	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	173.84	42.30
28 46 13 31-1608	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	189.86	42.30
28 46 13 31-1609	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	189.86	42.30
28 46 13 31-1610	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	173.84	42.30
28 46 13 31-1611	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	189.86	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1612	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	471.32	42.30
28 46 13 31-1613	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	505.65	42.30
28 46 13 31-1614	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	470.18	42.30
28 46 13 31-1615	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	432.42	42.30
28 46 13 31-1616	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	392.38	42.30
28 46 13 31-1617	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	392.38	42.30
28 46 13 31-1618	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	284.83	42.30
28 46 13 31-1619	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,957.21	42.30
28 46 13 31-1620	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	4,859.02	42.30

28 46 13 31-1621 Pull Stations *(28 46 13 31-1137)*

28 46 13 31-1622	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	35.08	5.64
28 46 13 31-1623	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	78.37	14.10
28 46 13 31-1624	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	75.80	14.10
28 46 13 31-1625	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	104.48	28.20
28 46 13 31-1626	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	114.93	28.20
28 46 13 31-1627	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	156.04	28.20
28 46 13 31-1628	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	104.48	28.20
28 46 13 31-1629	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	119.81	28.20
28 46 13 31-1630	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	119.81	28.20
28 46 13 31-1631	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	119.81	28.20
28 46 13 31-1632	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	113.54	28.20
28 46 13 31-1633	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	122.60	28.20
28 46 13 31-1634	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	1,293.93	33.84
28 46 13 31-1635	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	98.85	28.20
28 46 13 31-1636	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	103.77	28.20
28 46 13 31-1637	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	121.71	28.20
28 46 13 31-1638	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	297.26	33.84
28 46 13 31-1639	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	157.94	28.20
28 46 13 31-1640	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	131.91	28.20
28 46 13 31-1641	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	251.94	28.20
28 46 13 31-1642	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	57.27	5.64
28 46 13 31-1643	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	462.41	33.84

28 46 13 31-1644 Rate Compensation Heat Detectors *(28 46 13 31-1137)*

28 46 13 31-1645	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	223.93	42.30
28 46 13 31-1646	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	223.93	42.30

28 46 13 31-1647 FM Series Door Releases *(28 46 13 31-1137)*

28 46 13 31-1648	EA	1/2" Door Holder Spacer (Notifier FM900-50)	35.92	8.46
28 46 13 31-1649	EA	3/4" Door Holder Spacer (Notifier FM900-75)	35.92	8.46
28 46 13 31-1650	EA	1" Door Holder Spacer (Notifier FM900-100)	35.92	8.46
28 46 13 31-1651	EA	Door Holder Extension Kit (Notifier FM900)	38.29	8.46
28 46 13 31-1652	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	39.09	8.46
28 46 13 31-1653	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	252.23	42.30
28 46 13 31-1654	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	217.60	42.30
28 46 13 31-1655	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	217.60	42.30

28 46 13 31-1656 Multicriteria Fire Detector *(28 46 13 31-1137)*

28 46 13 31-1657	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	342.03	42.30
28 46 13 31-1658	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	340.89	42.30
28 46 13 31-1659	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	219.61	42.30
28 46 13 31-1660	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	227.62	42.30
28 46 13 31-1661	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	342.03	42.30

28 46 13 31-1662 Modules *(28 46 13 31-1137)*

28 46 13 31-1663	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	412.23	28.20
28 46 13 31-1664	EA	Addressable Firephone Control Module (Notifier FTM-1)	253.19	28.20
28 46 13 31-1665	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	398.50	28.20
28 46 13 31-1666	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	461.43	28.20
28 46 13 31-1667	EA	Wireless Sync Module (Notifier W-SYNC)	601.90	28.20

28 46 13 31-1668 DH Series Door Releases *(28 46 13 31-1137)*

28 46 13 31-1669	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	207.88	42.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1670	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	221.90	42.30
28 46 13 31-1671	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	235.06	42.30
28 46 13 31-1672	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	231.62	42.30
28 46 13 31-1673	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	243.06	42.30
28 46 13 31-1674	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	252.79	42.30
28 46 13 31-1675	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	207.88	42.30
28 46 13 31-1676	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	220.18	42.30
28 46 13 31-1677	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	235.06	42.30
28 46 13 31-1678	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	266.52	42.30
28 46 13 31-1679	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	284.83	42.30
28 46 13 31-1680	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	305.99	42.30
28 46 13 31-1681	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	311.14	42.30
28 46 13 31-1682	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	332.88	42.30
28 46 13 31-1683	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	359.20	42.30
28 46 13 31-1684	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	23.81	5.64
28 46 13 31-1685	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	23.81	5.64
28 46 13 31-1686	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	26.15	5.64
28 46 13 31-1687	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	23.81	5.64
28 46 13 31-1688	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	23.81	5.64
28 46 13 31-1689	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	26.15	5.64
28 46 13 31-1690	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	25.01	5.64
28 46 13 31-1691	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	25.01	5.64
28 46 13 31-1692	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	26.15	5.64
28 46 13 31-1693	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	27.47	5.64
28 46 13 31-1694	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	27.47	5.64
28 46 13 31-1695	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	27.47	5.64
28 46 13 31-1696	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	28.67	5.64
28 46 13 31-1697	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	28.67	5.64
28 46 13 31-1698	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	28.67	5.64
28 46 13 31-1699	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	29.99	5.64
28 46 13 31-1700	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	29.99	5.64
28 46 13 31-1701	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	31.19	5.64
28 46 13 31-1702	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	31.19	5.64
28 46 13 31-1703	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	32.50	5.64
28 46 13 31-1704	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	36.22	5.64
28 46 13 31-1705	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	34.96	5.64
28 46 13 31-1706	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	33.71	5.64
28 46 13 31-1707	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	36.22	5.64
28 46 13 31-1708	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	33.11	8.46
28 46 13 31-1709	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	34.31	8.46
28 46 13 31-1710	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	38.14	8.46
28 46 13 31-1711	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	63.03	8.46
28 46 13 31-1712	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	66.69	8.46
28 46 13 31-1713	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	70.35	8.46
28 46 13 31-1714	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	56.80	14.10
28 46 13 31-1715	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	59.32	14.10
28 46 13 31-1716	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	64.36	14.10
28 46 13 31-1717	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	

28 46 13 31-1718 First Command *(28 46 13 31-1137)*

28 46 13 31-1719	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	7,734.03	705.00
28 46 13 31-1720	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	7,824.19	705.00
28 46 13 31-1721	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	2,418.13	56.40
28 46 13 31-1722	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	2,485.75	56.40
28 46 13 31-1723	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	4,523.49	56.40
28 46 13 31-1724	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	4,673.77	56.40
28 46 13 31-1725	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	696.58	28.20
28 46 13 31-1726	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	696.58	28.20
28 46 13 31-1727	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	518.64	28.20
28 46 13 31-1728	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	941.53	28.20
28 46 13 31-1729	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	3,313.77	56.40
28 46 13 31-1730	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	3,241.64	56.40
28 46 13 31-1731	EA	Black, Remote Microphone (Notifier NFC-RM)	973.05	
28 46 13 31-1732	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	2,723.19	56.40
28 46 13 31-1733	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	391.64	28.20
28 46 13 31-1734	EA	Firefighters Phone Jack (Notifier N-FPJ)	179.96	8.46
28 46 13 31-1735	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	48.50	8.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1736	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	158.84	16.92
28 46 13 31-1737		**LED Displays** *(28 46 13 31-1137)*		
28 46 13 31-1738	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	2,640.41	33.84
28 46 13 31-1739	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	3,713.39	45.12
28 46 13 31-1740	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	3,756.97	45.12
28 46 13 31-1741	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	3,606.70	45.12
28 46 13 31-1742	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	5,064.38	45.12
28 46 13 31-1743	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	3,832.11	45.12
28 46 13 31-1744		**Control Relays** *(28 46 13 31-1137)*		
28 46 13 31-1745	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	77.06	14.10
28 46 13 31-1746	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	57.72	14.10
28 46 13 31-1747	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	213.72	28.20
28 46 13 31-1748	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	120.02	14.10
28 46 13 31-1749	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	143.76	14.10
28 46 13 31-1750	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	220.01	28.20
28 46 13 31-1751	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	220.01	28.20
28 46 13 31-1752	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	109.03	28.20
28 46 13 31-1753	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	62.75	14.10
28 46 13 31-1754	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	234.32	28.20
28 46 13 31-1755	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	77.22	28.20
28 46 13 31-1756	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	77.22	28.20
28 46 13 31-1757	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	77.22	28.20
28 46 13 31-1758		**Gamewell-FCI Fire Control Instruments** *(28 46 13 31-1137)*		
28 46 13 31-1759		**7100 Series And NetSOLO®** *(28 46 13 31-1758)*		
28 46 13 31-1760		**7100 Compact Analog Addressable Fire Alarm Control Panels** *(28 46 13 31-1759)*		
28 46 13 31-1761	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,100.37	338.40
28 46 13 31-1762	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	4,852.95	564.00
28 46 13 31-1763	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	5,345.96	564.00
28 46 13 31-1764	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	4,852.95	564.00
28 46 13 31-1765	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	5,345.96	564.00
28 46 13 31-1766	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,631.74	
28 46 13 31-1767	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,961.57	
28 46 13 31-1768	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,961.57	56.40
28 46 13 31-1769		**NetSOLO® Intelligent Network** *(28 46 13 31-1759)*		
28 46 13 31-1770	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,178.56	56.40
28 46 13 31-1771	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,725.48	56.40
28 46 13 31-1772		**Components And Accessories** *(28 46 13 31-1759)*		
28 46 13 31-1773	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,067.14	42.30
28 46 13 31-1774	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	800.23	56.40
28 46 13 31-1775	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,489.39	56.40
28 46 13 31-1776	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	584.97	56.40
28 46 13 31-1777	EA	Enclosure Box (Gamewell-FCI EN-7100)	446.06	112.80
28 46 13 31-1778	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,570.13	28.20
28 46 13 31-1779		**E3 Series® Basic System** *(28 46 13 31-1758)*		
28 46 13 31-1780	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,406.45	56.40
28 46 13 31-1781	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,202.33	56.40
28 46 13 31-1782	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,406.45	56.40
28 46 13 31-1783	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,202.33	56.40
28 46 13 31-1784	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	900.97	56.40
28 46 13 31-1785	EA	Power Supply Module (Gamewell-FCI PM-9)	1,187.80	56.40
28 46 13 31-1786	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	995.97	56.40
28 46 13 31-1787	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	997.68	28.20
28 46 13 31-1788	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	555.09	56.40
28 46 13 31-1789	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,530.41	56.40
28 46 13 31-1790	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,278.06	56.40
28 46 13 31-1791	EA	Local Operating Console (Gamewell-FCI 1100-0455)	851.05	42.30
28 46 13 31-1792	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,786.06	42.30
28 46 13 31-1793	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,087.69	56.40
28 46 13 31-1794	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,367.35	56.40
28 46 13 31-1795	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	732.74	112.80
28 46 13 31-1796	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	525.94	112.80
28 46 13 31-1797	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	113.84	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1798	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	754.97	56.40
28 46 13 31-1799	EA	LED Driver module (Gamewell-FCI ANU-48)	754.97	56.40
28 46 13 31-1800	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,332.91	42.30
28 46 13 31-1801		**Addressable Devices, Module, Pulls And Accessories** *(28 46 13 31-1758)*		
28 46 13 31-1802		**Velociti® Series Sensors And Bases** *(28 46 13 31-1801)*		
28 46 13 31-1803	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	226.95	42.30
28 46 13 31-1804	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	232.15	42.30
28 46 13 31-1805	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	247.78	42.30
28 46 13 31-1806	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	185.28	42.30
28 46 13 31-1807	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	193.96	42.30
28 46 13 31-1808	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	185.28	42.30
28 46 13 31-1809	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	284.23	42.30
28 46 13 31-1810	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	648.78	42.30
28 46 13 31-1811	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	531.58	70.50
28 46 13 31-1812	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	601.02	70.50
28 46 13 31-1813	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	274.67	
28 46 13 31-1814	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	55.97	14.10
28 46 13 31-1815	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	700.86	42.30
28 46 13 31-1816	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	136.70	14.10
28 46 13 31-1817	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,512.71	84.60
28 46 13 31-1818		**Velociti® Series Modules And Pull Station** *(28 46 13 31-1801)*		
28 46 13 31-1819	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	166.63	28.20
28 46 13 31-1820	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	276.86	28.20
28 46 13 31-1821	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	183.99	28.20
28 46 13 31-1822	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	264.71	28.20
28 46 13 31-1823	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	218.71	28.20
28 46 13 31-1824	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	227.39	28.20
28 46 13 31-1825	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	309.83	56.40
28 46 13 31-1826	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	235.20	28.20
28 46 13 31-1827	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	37.32	5.64
28 46 13 31-1828		**Components And Accessories** *(28 46 13 31-1801)*		
28 46 13 31-1829	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	88.52	22.56
28 46 13 31-1830	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	44.26	11.28
28 46 13 31-1831	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	47.73	11.28
28 46 13 31-1832	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	56.84	14.10
28 46 13 31-1833	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	94.60	16.92
28 46 13 31-1834	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	142.33	22.56
28 46 13 31-1835		**Fixed And Rate of Rise Heat Detectors** *(28 46 13 31-1801)*		
28 46 13 31-1836	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	114.11	42.30
28 46 13 31-1837	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	114.11	42.30
28 46 13 31-1838	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	111.72	42.30
28 46 13 31-1839	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	111.72	42.30
28 46 13 31-1840		**NAC Expander/Power Supply** *(28 46 13 31-1801)*		
28 46 13 31-1841	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,152.27	451.20
28 46 13 31-1842	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,822.44	451.20
28 46 13 31-1843	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,987.36	451.20
28 46 13 31-1844		**Batteries And Accessories** *(28 46 13 31-1758)*		
28 46 13 31-1845	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	354.98	28.20
28 46 13 31-1846	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	920.89	28.20
28 46 13 31-1847	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	181.39	28.20
28 46 13 31-1848	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	427.00	56.40
28 46 13 31-1849	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	427.00	56.40
28 46 13 31-1850	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	376.66	56.40
28 46 13 31-1851		**Electronic Door Holders** *(28 46 13 31-1758)* Note: Rixson products.		
28 46 13 31-1852	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	62.32	5.64
28 46 13 31-1853	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	501.22	42.30
28 46 13 31-1854	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	690.44	42.30
28 46 13 31-1855	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	312.70	42.30
28 46 13 31-1856	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	297.08	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1857	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	312.70	42.30
28 46 13 31-1858	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	312.01	42.30
28 46 13 31-1859		**Fire Alarm Programming** *(28 46 13 31-1758)*		
		Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1860	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1861	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1862	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1863		**Fire-Lite Fire Alarm** *(28 46 13 31-1136)*		
28 46 13 31-1864		**Intelligent Addressable Fire Alarm Control Panel** *(28 46 13 31-1863)*		
28 46 13 31-1865	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,200.91	225.60
28 46 13 31-1866	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,545.70	253.80
28 46 13 31-1867	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,305.44	282.00
28 46 13 31-1868	EA	Loop Expander Module (Fire-Lite SLC-3LS)	684.28	42.30
28 46 13 31-1869	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	190.99	28.20
28 46 13 31-1870	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	269.88	28.20
28 46 13 31-1871	EA	Battery Back Box (Fire-Lite BB-26)	165.82	16.92
28 46 13 31-1872	EA	Battery Box (Fire-Lite BB-55F)	305.85	16.92
28 46 13 31-1873	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	84.08	11.28
28 46 13 31-1874	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	717.26	28.20
28 46 13 31-1875	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,528.78	56.40
28 46 13 31-1876	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	831.68	28.20
28 46 13 31-1877	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	859.35	28.20
28 46 13 31-1878	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	336.59	28.20
28 46 13 31-1879	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	411.88	28.20
28 46 13 31-1880	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	360.25	28.20
28 46 13 31-1881	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	360.25	28.20
28 46 13 31-1882	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	289.74	28.20
28 46 13 31-1883	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	283.35	28.20
28 46 13 31-1884	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365 A)	146.77	42.30
28 46 13 31-1885	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T A)	164.18	42.30
28 46 13 31-1886	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R A)	169.17	42.30
28 46 13 31-1887	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	300.84	42.30
28 46 13 31-1888	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365 A)	140.54	42.30
28 46 13 31-1889	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R A)	157.88	42.30
28 46 13 31-1890	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT A)	186.16	42.30
28 46 13 31-1891	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	581.73	42.30
28 46 13 31-1892	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355 A)	216.95	42.30
28 46 13 31-1893	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355 A)	146.77	42.30
28 46 13 31-1894	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T A)	188.80	42.30
28 46 13 31-1895	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R A)	211.07	42.30
28 46 13 31-1896	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	156.09	42.30
28 46 13 31-1897	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355 A)	188.22	42.30
28 46 13 31-1898	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R A)	182.25	42.30
28 46 13 31-1899	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT A)	213.03	42.30
28 46 13 31-1900	EA	Low-Profile, Intelligent, 'Adapt' Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355 A)	208.13	42.30
28 46 13 31-1901	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	132.33	28.20
28 46 13 31-1902	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	152.55	28.20
28 46 13 31-1903	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	174.33	28.20
28 46 13 31-1904	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	178.00	28.20
28 46 13 31-1905	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,589.51	42.30
28 46 13 31-1906	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	1,818.93	42.30
28 46 13 31-1907	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL A)	258.16	28.20
28 46 13 31-1908	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR A)	157.33	28.20
28 46 13 31-1909	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	241.16	28.20
28 46 13 31-1910	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	102.41	16.92
28 46 13 31-1911	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	528.05	28.20
28 46 13 31-1912	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	154.53	28.20
28 46 13 31-1913	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	441.23	28.20
28 46 13 31-1914	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	83.79	14.10
28 46 13 31-1915	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	395.41	28.20
28 46 13 31-1916	EA	Dual Monitor Module (Fire-Lite MDF-300)	187.75	28.20
28 46 13 31-1917	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	83.55	14.10
28 46 13 31-1918	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	571.44	28.20
28 46 13 31-1919	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	111.00	22.56
28 46 13 31-1920	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	157.93	28.20
28 46 13 31-1921	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	565.19	28.20
28 46 13 31-1922	EA	Mount For Modules (Fire-Lite SMB500)	16.86	2.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1923		**Addressable Control Panels** *(28 46 13 31-1863)*		
28 46 13 31-1924	EA	25 Point Intelligent Control (Fire Lite MS-25)	2,182.50	564.00
28 46 13 31-1925	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,439.07	564.00
28 46 13 31-1926	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,398.50	564.00
28 46 13 31-1927	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	5,087.62	564.00
28 46 13 31-1928	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	4,972.17	564.00
28 46 13 31-1929	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	702.06	
28 46 13 31-1930		**Silent Knight Fire Alarm** *(28 46 13 31-1136)*		
28 46 13 31-1931		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1930)*		
28 46 13 31-1932	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,375.04	282.00
28 46 13 31-1933		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1930)*		
28 46 13 31-1934	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	4,597.79	282.00
28 46 13 31-1935		**Compatable EVS Equipment** *(28 46 13 31-1930)*		
28 46 13 31-1936	EA	50 Watt Amplifier (Silent Knight EVS-50W)	839.05	56.40
28 46 13 31-1937	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,468.36	56.40
28 46 13 31-1938	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	1,824.37	56.40
28 46 13 31-1939	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	643.42	56.40
28 46 13 31-1940	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	605.24	56.40
28 46 13 31-1941	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	219.89	14.10
28 46 13 31-1942	EA	Remote Voice Module (Silent Knight EVS-RVM)	977.85	22.56
28 46 13 31-1943	EA	24 Switch Expander (Silent Knight EVS-SW24)	389.13	28.20
28 46 13 31-1944	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,170.10	22.56
28 46 13 31-1945	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,577.08	56.40
28 46 13 31-1946		**Compatable SBUS Devices** *(28 46 13 31-1930)*		
28 46 13 31-1947	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	946.14	56.40
28 46 13 31-1948	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	426.63	56.40
28 46 13 31-1949	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	507.32	56.40
28 46 13 31-1950	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	335.15	56.40
28 46 13 31-1951	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	429.66	56.40
28 46 13 31-1952	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	453.92	56.40
28 46 13 31-1953	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	354.47	42.30
28 46 13 31-1954	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	215.20	28.20
28 46 13 31-1955	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	290.67	28.20
28 46 13 31-1956		**SK Compatible Addressable Device** *(28 46 13 31-1930)*		
28 46 13 31-1957	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	153.59	42.30
28 46 13 31-1958	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	864.96	42.30
28 46 13 31-1959	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	980.30	42.30
28 46 13 31-1960	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,105.39	42.30
28 46 13 31-1961	EA	Supervised Control Module (Silent Knight SK-CONTROL)	152.07	42.30
28 46 13 31-1962	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	452.92	56.40
28 46 13 31-1963	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	245.63	42.30
28 46 13 31-1964	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	221.85	42.30
28 46 13 31-1965	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	247.54	42.30
28 46 13 31-1966	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	139.81	42.30
28 46 13 31-1967	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	143.72	42.30
28 46 13 31-1968	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	141.35	42.30
28 46 13 31-1969	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	143.72	42.30
28 46 13 31-1970	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	139.81	42.30
28 46 13 31-1971	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	143.72	42.30
28 46 13 31-1972	EA	Fault Isolator Module (Silent Knight SK-ISO)	139.81	42.30
28 46 13 31-1973	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	129.06	42.30
28 46 13 31-1974	EA	Monitor Module (Silent Knight SK-MONITOR)	137.01	42.30
28 46 13 31-1975	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	176.62	42.30
28 46 13 31-1976	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	510.59	56.40
28 46 13 31-1977	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	142.88	42.30
28 46 13 31-1978	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	150.92	42.30
28 46 13 31-1979	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	145.17	42.30
28 46 13 31-1980	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	153.33	42.30
28 46 13 31-1981	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	149.01	42.30
28 46 13 31-1982	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	157.15	42.30
28 46 13 31-1983	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	166.76	42.30
28 46 13 31-1984	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	133.95	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1985	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	133.95	28.20
28 46 13 31-1986	EA	Addressable Relay Module (Silent Knight SK-RELAY)	123.87	28.20
28 46 13 31-1987	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	441.09	56.40
28 46 13 31-1988	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	276.29	42.30
28 46 13 31-1989	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	164.35	42.30
28 46 13 31-1990	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	531.30	56.40
28 46 13 31-1991		**SK Bases** *(28 46 13 31-1930)*		
28 46 13 31-1992	EA	6" Mounting Base (Silent Knight B210LP)	40.85	14.10
28 46 13 31-1993	EA	4" Flangeless Mounting Base (Silent Knight B501)	43.41	14.10
28 46 13 31-1994	EA	Intelligent Sounder Base (Silent Knight B200S)	83.40	14.10
28 46 13 31-1995	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	115.62	14.10
28 46 13 31-1996	EA	Relay Base (Silent Knight B224RB)	68.70	14.10
28 46 13 31-1997	EA	Isolator Base (Silent Knight B224BI)	67.91	14.10
28 46 13 31-1998		**SD Compatible Addressable Device** *(28 46 13 31-1930)*		
28 46 13 31-1999	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	39.24	14.10
28 46 13 31-2000	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	52.71	14.10
28 46 13 31-2001	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	142.87	14.10
28 46 13 31-2002	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	147.92	14.10
28 46 13 31-2003	EA	Addressable Input Module (Silent Knight SD500-AIM)	239.09	42.30
28 46 13 31-2004	EA	Addressable Notification Module (Silent Knight SD500-ANM)	228.77	42.30
28 46 13 31-2005	EA	Addressable Relay Module (Silent Knight SD500-ARM)	246.62	42.30
28 46 13 31-2006		**System Expanders** *(28 46 13 31-1930)*		
28 46 13 31-2007	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	505.89	56.40
28 46 13 31-2008	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	446.33	56.40
28 46 13 31-2009	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	789.89	28.20
28 46 13 31-2010	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	555.81	84.60
28 46 13 31-2011		**Miscellaneous Accessories** *(28 46 13 31-1930)*		
28 46 13 31-2012	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	134.61	28.20
28 46 13 31-2013		**Silent Knight Fire Alarm** *(28 46 13 31-1136)*		
28 46 13 31-2014	EA	Detector (Silent Knight IDP-PhotoR)	274.51	42.30
28 46 13 31-2015	EA	Monitoring Module (Silent Knight IDP)	284.51	42.30
28 46 13 31-2016	EA	I/O Input-Output Module (Silent Knight SK-2880)	756.08	28.20
28 46 13 31-2017	EA	Remote Annunciator (Silent Knight RA-2000)	2,168.30	84.60
28 46 13 31-2018	EA	Power Supply (Silent Knight 5195/96)	1,355.82	28.20
28 46 13 31-2019	EA	8 Zone Expander (Silent Knight SK-5210)	1,055.95	28.20
28 46 13 31-2020	EA	LCD Remote Annunciator (Silent Knight SK-5230)	430.70	56.40
28 46 13 31-2021	EA	Ionization Smoke Detector (Silent Knight SK-ION)	208.90	42.30
28 46 13 31-2022	EA	Addressable Relay Module (Silent Knight IDP-Relay)	234.53	42.30
28 46 13 31-2023	EA	Telephone Line Monitor (Silent Knight SK-7150)	146.36	28.20
28 46 13 31-2024	EA	Serial Driver Board (Silent Knight SK-2884)	278.30	28.20
28 46 13 31-2025	EA	Smoke Detector Base (Silent Knight IDP-6AB)	78.18	14.10
28 46 13 31-2026	EA	Mini Input Module (Silent Knight IDP-MINIMON)	206.33	28.20
28 46 13 31-2027	EA	Status Display Module (Silent Knight SK-4180)	776.08	28.20
28 46 13 31-2028	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	456.22	28.20
28 46 13 31-2029	EA	Serial Parallel Module (Silent Knight SK-4824)	416.24	28.20
28 46 13 31-2030	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,555.72	28.20
28 46 13 31-2031	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,624.52	112.80
28 46 13 31-2032	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	284.51	42.30
28 46 13 31-2033	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	234.53	42.30
28 46 13 31-2034	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,691.07	282.00
28 46 13 31-2035	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,332.78	169.20
28 46 13 31-2036	EA	Voice Evacuation System (Silent Knight SKE-450)	2,836.16	112.80
28 46 13 31-2037	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,342.27	112.80
28 46 13 31-2038	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,469.53	169.20
28 46 13 31-2039	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,768.41	112.80
28 46 13 31-2040	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,336.98	112.80
28 46 13 31-2041	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,144.21	112.80
28 46 13 31-2042	EA	Ionization Smoke Detector (Silent Knight SK-ION)	208.90	42.30
28 46 13 31-2043	EA	Sounder Base (Silent Knight B200SR)	123.00	14.10
28 46 13 31-2044	EA	Intelligent Sounder Base (Silent Knight B200S)	130.69	14.10
28 46 13 31-2045	EA	Isolator Base (Silent Knight B224BI)	101.25	14.10
28 46 13 31-2046	EA	Relay Base (Silent Knight B224RB)	102.51	14.10
28 46 13 31-2047	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	203.99	42.30
28 46 13 31-2048	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	170.98	42.30
28 46 13 31-2049	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	189.65	42.30
28 46 13 31-2050	EA	6" Isolator Base (Silent Knight SD505-6IB)	129.43	14.10
28 46 13 31-2051	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	861.73	84.60
28 46 13 31-2052	EA	Loop Isolation Module (Silent Knight SD500-LIM)	197.35	42.30
28 46 13 31-2053	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	157.63	28.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2054	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	206.93	28.20
28 46 13 31-2055	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	197.06	28.20
28 46 13 31-2056	EA	Back Box (Silent Knight SK-PSSMBB)	86.44	22.56
28 46 13 31-2057	EA	Smoke Detector Module (Silent Knight SD500-SDM)	222.78	42.30
28 46 13 31-2058	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	296.46	42.30
28 46 13 31-2059	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	491.62	42.30
28 46 13 31-2060	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	194.79	42.30
28 46 13 31-2061	EA	Intelligent Power Module (Silent Knight 5895XL)	1,246.54	112.80
28 46 13 31-2062	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	197.06	28.20
28 46 13 31-2063	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	692.74	84.60
28 46 13 31-2064	EA	Communicator (Silent Knight IPGSM-4G)	1,055.38	56.40
28 46 13 31-2065	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,657.88	112.80
28 46 13 31-2066	EA	10 Zone Expander (Silent Knight SK-5217)	465.84	28.20
28 46 13 31-2067	EA	Remote Annunciator (Silent Knight SK-5235)	454.79	56.40
28 46 13 31-2068	EA	Status Display Module (Silent Knight 5280)	126.89	28.20
28 46 13 31-2069	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	922.89	112.80
28 46 13 31-2070	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	941.92	112.80
28 46 13 31-2071	EA	Dress Panel (Silent Knight SK-DP2/4)	171.71	28.20
28 46 13 31-2072	EA	Class A Convertor (Silent Knight SK-CAC4)	460.31	42.30
28 46 13 31-2073	EA	Transmitter Module (Silent Knight SK-4XTM	235.13	42.30
28 46 13 31-2074	EA	LED Interface Module (Silent Knight SK-4XLM	215.38	42.30
28 46 13 31-2075	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	226.66	28.20
28 46 13 31-2076	EA	Remote Annunciator (Silent Knight SK-RZA4)	215.38	42.30
28 46 13 31-2077	EA	Zone Relay Module (Silent Knight SK-4XZM)	232.65	42.30
28 46 13 31-2078	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	791.98	112.80
28 46 13 31-2079	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	104.18	28.20
28 46 13 31-2080	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	113.71	28.20
28 46 13 31-2081	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	111.04	28.20
28 46 13 31-2082	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	97.96	28.20
28 46 13 31-2083	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	230.55	33.84
28 46 13 31-2084	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	811.75	84.60
28 46 13 31-2085	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	916.46	84.60
28 46 13 31-2086		**Alerton Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2087	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	614.17	8.46
28 46 13 31-2088		**Cooper Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2089	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	197.13	28.20
28 46 13 31-2090	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,799.99	47.94
28 46 13 31-2091	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,337.83	47.94
28 46 13 31-2092	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,294.84	56.40
28 46 13 31-2093	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,308.51	56.40
28 46 13 31-2094	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,308.51	56.40
28 46 13 31-2095	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,703.62	56.40
28 46 13 31-2096	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,703.62	56.40
28 46 13 31-2097	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,703.62	56.40
28 46 13 31-2098	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,308.51	56.40
28 46 13 31-2099	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,308.51	56.40
28 46 13 31-2100	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,308.51	56.40
28 46 13 31-2101	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,308.51	56.40
28 46 13 31-2102	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,308.51	56.40
28 46 13 31-2103	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,662.21	56.40
28 46 13 31-2104	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,470.83	56.40
28 46 13 31-2105	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,470.83	56.40
28 46 13 31-2106	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,470.83	56.40
28 46 13 31-2107		**Light Engineered Displays Message Boards** *(28 46 13 31)*		
28 46 13 31-2108	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	981.31	33.84
28 46 13 31-2109	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	863.72	33.84
28 46 13 31-2110		**Safety Technology International Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2111		**Enclosures** *(28 46 13 31-2110)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2112	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	131.71	16.92
28 46 13 31-2113	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	171.04	16.92
28 46 13 31-2114	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	134.34	16.92
28 46 13 31-2115	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	171.91	16.92
28 46 13 31-2116	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	137.83	16.92
28 46 13 31-2117	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	198.13	16.92
28 46 13 31-2118	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	143.95	16.92
28 46 13 31-2119	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	197.26	16.92
28 46 13 31-2120	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	154.44	16.92
28 46 13 31-2121	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	213.86	16.92
28 46 13 31-2122	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	183.27	16.92
28 46 13 31-2123	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	276.78	16.92
28 46 13 31-2124	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	197.26	16.92
28 46 13 31-2125	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	348.44	16.92
28 46 13 31-2126	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	209.49	16.92
28 46 13 31-2127	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	358.92	16.92
28 46 13 31-2128	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	248.81	16.92
28 46 13 31-2129	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	368.54	16.92
28 46 13 31-2130	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	358.92	16.92
28 46 13 31-2131	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	531.95	16.92
28 46 13 31-2132	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	98.51	16.92
28 46 13 31-2133	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	107.25	16.92
28 46 13 31-2134	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	102.44	16.92
28 46 13 31-2135	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	109.87	16.92
28 46 13 31-2136	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	105.94	16.92
28 46 13 31-2137	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	114.67	16.92
28 46 13 31-2138	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	107.25	16.92
28 46 13 31-2139	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	125.16	16.92
28 46 13 31-2140	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	112.49	16.92
28 46 13 31-2141	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	128.66	16.92
28 46 13 31-2142	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	117.30	16.92
28 46 13 31-2143	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	130.84	16.92
28 46 13 31-2144	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	118.61	16.92
28 46 13 31-2145	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	135.21	16.92
28 46 13 31-2146	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	138.71	16.92
28 46 13 31-2147	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	171.91	16.92
28 46 13 31-2148	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	152.69	16.92
28 46 13 31-2149	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	205.12	16.92
28 46 13 31-2150	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	169.29	16.92
28 46 13 31-2151	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	219.98	16.92
28 46 13 31-2152	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	192.01	16.92
28 46 13 31-2153	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	257.55	16.92
28 46 13 31-2154	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	304.74	16.92
28 46 13 31-2155	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	318.72	16.92
28 46 13 31-2156	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	458.55	16.92
28 46 13 31-2157	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	531.08	16.92
28 46 13 31-2158		**STI® Fire Alarm Devices** *(28 46 13 31-2110)*		
28 46 13 31-2159	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	157.49	16.92
28 46 13 31-2160	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	171.91	16.92
28 46 13 31-2161	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	101.35	16.92
28 46 13 31-2162	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	102.22	16.92
28 46 13 31-2163	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	90.86	16.92
28 46 13 31-2164	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	102.22	16.92
28 46 13 31-2165	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	82.34	16.92
28 46 13 31-2166	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	193.76	16.92
28 46 13 31-2167	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	129.09	16.92
28 46 13 31-2168	EA	Backplate For Polycarbonate Cover (STI-1280)	61.45	16.92
28 46 13 31-2169	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	44.33	16.92
28 46 13 31-2170	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	62.42	16.92
28 46 13 31-2171	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	144.39	16.92
28 46 13 31-2172	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	119.48	16.92
28 46 13 31-2173	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	88.02	16.92
28 46 13 31-2174	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	83.21	16.92
28 46 13 31-2175	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	80.37	16.92
28 46 13 31-2176	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	83.21	16.92
28 46 13 31-2177	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	80.37	16.92
28 46 13 31-2178	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	83.21	16.92
28 46 13 31-2179	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	80.37	16.92
28 46 13 31-2180	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	158.37	16.92
28 46 13 31-2181	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	74.65	16.92
28 46 13 31-2182	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	107.32	16.92
28 46 13 31-2183	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	113.80	16.92
28 46 13 31-2184	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	113.80	16.92
28 46 13 31-2185	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	82.34	16.92
28 46 13 31-2186	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	82.34	16.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2187	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	74.65	16.92
28 46 13 31-2188	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	82.34	16.92
28 46 13 31-2189	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	82.34	16.92
28 46 13 31-2190	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	134.39	8.46
28 46 13 31-2191	EA	Gasket Kit For STI Covers (STI SUB-121)	54.12	
28 46 13 31-2192	EA	Stopper II® With Horn Flush Mount, Custom Label (STI STI-1100CR)	191.77	28.20
28 46 13 31-2193	EA	Smoke Detector Guard, Stainless Steel, Surface Mounting, Open Back, 9-1/4" Width, 5" Depth (STI STI-8230-SS)	230.82	16.92
28 46 13 31-2194	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	205.12	16.92
28 46 13 31-2195	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	112.05	16.92
28 46 13 31-2196	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	112.05	16.92
28 46 13 31-2197	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	205.12	16.92
28 46 13 31-2198	EA	Flush Mounted, Weather Stopper II (STI-1250)	120.57	16.92
28 46 13 31-2199	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	80.37	16.92
28 46 13 31-2200	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	137.39	16.92
28 46 13 31-2201	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	96.76	16.92
28 46 13 31-2202	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	105.50	16.92
28 46 13 31-2203	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	114.67	16.92
28 46 13 31-2204	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	114.67	16.92
28 46 13 31-2205	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	153.56	16.92
28 46 13 31-2206	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	162.30	16.92
28 46 13 31-2207	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	192.89	16.92
28 46 13 31-2208	EA	Stopper II, Weather Gasket (STI-3002)	43.41	16.92
28 46 13 31-2209	EA	Large, Break Glass Stopper (STI-4100)	113.80	16.92
28 46 13 31-2210	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	109.87	16.92
28 46 13 31-2211	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	106.15	16.92
28 46 13 31-2212	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	282.02	16.92
28 46 13 31-2213	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	3,931.34	16.92
28 46 13 31-2214	EA	Stainless Steel Guard (STI-9604SS)	76.66	16.92
28 46 13 31-2215	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	69.01	16.92

28 46 13 31-2216 System Sensor Fire Alarm *(28 46 13 31)*

28 46 13 31-2217 Smoke Detectors *(28 46 13 31-2216)*

28 46 13 31-2218	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	62.19	5.64
28 46 13 31-2219	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	266.43	5.64
28 46 13 31-2220	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	311.88	56.40
28 46 13 31-2221	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	224.35	56.40
28 46 13 31-2222	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	179.73	56.40
28 46 13 31-2223	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	187.51	42.30
28 46 13 31-2224	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	167.84	42.30
28 46 13 31-2225	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	198.60	42.30
28 46 13 31-2226	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	191.08	42.30
28 46 13 31-2227	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	179.28	42.30
28 46 13 31-2228	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	204.14	42.30
28 46 13 31-2229	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	269.14	42.30
28 46 13 31-2230	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	155.51	28.20
28 46 13 31-2231	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	179.43	28.20
28 46 13 31-2232	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	305.08	14.10
28 46 13 31-2233	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	101.71	14.10
28 46 13 31-2234	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	192.42	42.30

28 46 13 31-2235 Duct Smoke Detectors *(28 46 13 31-2216)*

28 46 13 31-2236	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	384.37	42.30
28 46 13 31-2237	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	380.93	42.30
28 46 13 31-2238	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	502.05	47.94
28 46 13 31-2239	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	250.91	28.20
28 46 13 31-2240	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	67.83	8.46
28 46 13 31-2241	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	215.60	22.56
28 46 13 31-2242	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	352.73	28.20
28 46 13 31-2243	EA	1' Steel Sampling Tube (System Sensor DST1)	37.32	11.28
28 46 13 31-2244	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	41.21	11.28
28 46 13 31-2245	EA	3' Steel Sampling Tube (System Sensor DST3)	47.10	11.28
28 46 13 31-2246	EA	5' Steel Sampling Tube (System Sensor DST5)	60.66	14.10
28 46 13 31-2247	EA	10' Steel Sampling Tube (System Sensor DST10)	90.93	16.92
28 46 13 31-2248	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	42.81	11.28
28 46 13 31-2249	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	101.43	14.10
28 46 13 31-2250	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2251	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	

28 46 13 31-2252 Heat Detectors *(28 46 13 31-2216)*

28 46 13 31-2253	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	117.85	42.30
28 46 13 31-2254	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	111.72	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2255	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	132.08	42.30
28 46 13 31-2256	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	132.08	42.30
28 46 13 31-2257	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	145.89	42.30
28 46 13 31-2258	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	145.89	42.30
28 46 13 31-2259		**Horns** *(28 46 13 31-2216)*		
28 46 13 31-2260	EA	Red, Mini Horn (System Sensor MHR)	120.93	42.30
28 46 13 31-2261	EA	White, Mini Horn (System Sensor MHW)	120.93	42.30
28 46 13 31-2262	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	122.70	42.30
28 46 13 31-2263	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	155.72	47.94
28 46 13 31-2264	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	122.70	42.30
28 46 13 31-2265	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	187.51	42.30
28 46 13 31-2266	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	123.27	42.30
28 46 13 31-2267	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	123.27	42.30
28 46 13 31-2268		**Wall Mounted Horns/Strobes** *(28 46 13 31-2216)*		
28 46 13 31-2269	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	170.41	42.30
28 46 13 31-2270	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	224.72	42.30
28 46 13 31-2271	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	256.06	47.94
28 46 13 31-2272	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	249.77	47.94
28 46 13 31-2273	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	262.07	47.94
28 46 13 31-2274	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	255.20	47.94
28 46 13 31-2275	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	241.76	47.94
28 46 13 31-2276	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	210.17	42.30
28 46 13 31-2277	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	166.41	42.30
28 46 13 31-2278	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	170.41	42.30
28 46 13 31-2279	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	226.42	42.30
28 46 13 31-2280	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	247.48	47.94
28 46 13 31-2281	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	249.77	47.94
28 46 13 31-2282	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	224.72	42.30
28 46 13 31-2283	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	263.78	47.94
28 46 13 31-2284	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	241.76	47.94
28 46 13 31-2285	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	165.55	42.30
28 46 13 31-2286	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	206.45	42.30
28 46 13 31-2287	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	244.51	42.30
28 46 13 31-2288	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	282.71	47.94
28 46 13 31-2289	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	236.04	47.94
28 46 13 31-2290	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	206.45	42.30
28 46 13 31-2291	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	287.26	47.94
28 46 13 31-2292	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	250.34	47.94
28 46 13 31-2293	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	256.22	42.30
28 46 13 31-2294	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	256.22	42.30
28 46 13 31-2295	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	169.84	42.30
28 46 13 31-2296	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	169.84	42.30
28 46 13 31-2297		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2216)*		
28 46 13 31-2298	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	173.27	42.30
28 46 13 31-2299	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	228.13	42.30
28 46 13 31-2300	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	247.48	47.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2301	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	240.04	47.94
28 46 13 31-2302	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	216.17	42.30
28 46 13 31-2303	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	173.27	42.30
28 46 13 31-2304	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	228.13	42.30
28 46 13 31-2305	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	247.48	47.94
28 46 13 31-2306	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	228.13	42.30
28 46 13 31-2307	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	240.04	47.94
28 46 13 31-2308	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	214.46	42.30
28 46 13 31-2309	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	207.88	42.30
28 46 13 31-2310	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	244.51	42.30
28 46 13 31-2311	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	207.88	42.30
28 46 13 31-2312		**Wall Mounted Strobes** *(28 46 13 31-2216)*		
28 46 13 31-2313	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	79.57	14.10
28 46 13 31-2314	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	156.63	14.10
28 46 13 31-2315	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	152.96	42.30
28 46 13 31-2316	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	203.35	42.30
28 46 13 31-2317	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	249.46	47.94
28 46 13 31-2318	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	246.29	47.94
28 46 13 31-2319	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	221.16	47.94
28 46 13 31-2320	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	193.13	47.94
28 46 13 31-2321	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	151.53	42.30
28 46 13 31-2322	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	152.39	42.30
28 46 13 31-2323	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	165.83	42.30
28 46 13 31-2324	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	202.50	42.30
28 46 13 31-2325	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	212.75	42.30
28 46 13 31-2326	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	211.05	42.30
28 46 13 31-2327	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	211.05	42.30
28 46 13 31-2328	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	224.60	47.94
28 46 13 31-2329	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	222.02	47.94
28 46 13 31-2330	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	224.02	47.94
28 46 13 31-2331	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	227.45	47.94
28 46 13 31-2332	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	219.73	47.94
28 46 13 31-2333	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	220.88	47.94
28 46 13 31-2334	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	151.25	42.30
28 46 13 31-2335	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	27.01	5.64
28 46 13 31-2336	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	27.01	5.64
28 46 13 31-2337	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	27.01	5.64
28 46 13 31-2338	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	27.01	5.64
28 46 13 31-2339	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	155.25	42.30
28 46 13 31-2340	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	152.10	42.30
28 46 13 31-2341	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	27.01	5.64
28 46 13 31-2342	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	27.01	5.64
28 46 13 31-2343	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	27.01	5.64
28 46 13 31-2344	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	27.01	5.64
28 46 13 31-2345	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	231.11	42.30
28 46 13 31-2346	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	231.11	42.30
28 46 13 31-2347		**Ceiling Mounted Strobes** *(28 46 13 31-2216)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2348	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	156.11	42.30
28 46 13 31-2349	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	206.51	42.30
28 46 13 31-2350	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	249.46	47.94
28 46 13 31-2351	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	249.46	47.94
28 46 13 31-2352	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	156.11	42.30
28 46 13 31-2353	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	167.55	42.30
28 46 13 31-2354	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	216.17	42.30
28 46 13 31-2355	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	222.02	47.94
28 46 13 31-2356	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	219.73	47.94
28 46 13 31-2357	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	190.54	42.30
28 46 13 31-2358	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	27.01	5.64
28 46 13 31-2359	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	27.01	5.64
28 46 13 31-2360	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	27.01	5.64
28 46 13 31-2361	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	27.01	5.64
28 46 13 31-2362		**Wall Mounted Speakers** *(28 46 13 31-2216)*		
28 46 13 31-2363	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	417.55	42.30
28 46 13 31-2364	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	129.79	42.30
28 46 13 31-2365	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	213.32	42.30
28 46 13 31-2366	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	174.83	47.94
28 46 13 31-2367	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	163.76	42.30
28 46 13 31-2368	EA	White, Wall Mounted Speaker (System Sensor SPWL)	129.79	42.30
28 46 13 31-2369	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	223.45	47.94
28 46 13 31-2370	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	147.41	42.30
28 46 13 31-2371		**Ceiling Mounted Speakers** *(28 46 13 31-2216)*		
28 46 13 31-2372	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	126.65	42.30
28 46 13 31-2373	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	227.89	42.30
28 46 13 31-2374	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	163.76	42.30
28 46 13 31-2375	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	129.22	42.30
28 46 13 31-2376	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	170.04	42.30
28 46 13 31-2377	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	224.60	47.94
28 46 13 31-2378		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2216)*		
28 46 13 31-2379	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	154.63	14.10
28 46 13 31-2380	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	76.14	14.10
28 46 13 31-2381	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	216.18	42.30
28 46 13 31-2382	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	263.51	42.30
28 46 13 31-2383	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	355.54	47.94
28 46 13 31-2384	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	312.70	47.94
28 46 13 31-2385	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	265.21	47.94
28 46 13 31-2386	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	213.60	42.30
28 46 13 31-2387	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	254.01	42.30
28 46 13 31-2388	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	217.32	42.30
28 46 13 31-2389	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	316.70	47.94
28 46 13 31-2390	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	216.18	42.30
28 46 13 31-2391	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	277.69	42.30
28 46 13 31-2392	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	277.69	42.30
28 46 13 31-2393	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	328.14	47.94
28 46 13 31-2394	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	311.55	47.94
28 46 13 31-2395	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	212.46	42.30
28 46 13 31-2396	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	267.43	42.30

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28 46 13 31-2397	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	267.43	42.30
28 46 13 31-2398	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	225.74	47.94
28 46 13 31-2399		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2216)*		
28 46 13 31-2400	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	200.73	42.30
28 46 13 31-2401	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	266.68	42.30
28 46 13 31-2402	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	254.01	42.30
28 46 13 31-2403	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	200.73	42.30
28 46 13 31-2404	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	215.03	42.30
28 46 13 31-2405	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	277.69	42.30
28 46 13 31-2406	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	329.86	47.94
28 46 13 31-2407	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	277.69	42.30
28 46 13 31-2408	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	317.27	47.94
28 46 13 31-2409	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	328.14	47.94
28 46 13 31-2410	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	200.73	42.30
28 46 13 31-2411	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	267.43	42.30
28 46 13 31-2412	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	277.69	42.30
28 46 13 31-2413	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	267.43	42.30
28 46 13 31-2414	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	277.44	42.30
28 46 13 31-2415		**Electric Alarm Bells** *(28 46 13 31-2216)*		
28 46 13 31-2416	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	163.26	42.30
28 46 13 31-2417	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	177.28	42.30
28 46 13 31-2418	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	192.72	42.30
28 46 13 31-2419	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	182.00	42.86
28 46 13 31-2420	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	184.25	42.86
28 46 13 31-2421	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	198.49	42.86
28 46 13 31-2422		**Device Bases** *(28 46 13 31-2216)*		
28 46 13 31-2423	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	131.46	14.10
28 46 13 31-2424	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	127.17	14.10
28 46 13 31-2425	EA	Intelligent Isolator Base (System Sensor B224BI)	104.00	14.10
28 46 13 31-2426	EA	Intelligent Relay Base (System Sensor B224RB)	105.14	14.10
28 46 13 31-2427	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	63.90	14.10
28 46 13 31-2428	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	131.46	14.10
28 46 13 31-2429	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	127.17	14.10
28 46 13 31-2430	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	191.81	14.10
28 46 13 31-2431	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	191.81	14.10
28 46 13 31-2432	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	185.52	14.10
28 46 13 31-2433	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	147.46	14.10
28 46 13 31-2434	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	124.59	14.10
28 46 13 31-2435	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	104.00	14.10
28 46 13 31-2436	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	97.14	14.10
28 46 13 31-2437	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	105.14	14.10
28 46 13 31-2438	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	98.57	14.10
28 46 13 31-2439	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	63.90	14.10
28 46 13 31-2440	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	63.90	14.10
28 46 13 31-2441	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	56.46	14.10
28 46 13 31-2442	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	195.25	14.10
28 46 13 31-2443	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	195.25	14.10
28 46 13 31-2444	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	187.81	14.10
28 46 13 31-2445	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	49.65	14.10
28 46 13 31-2446	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	56.80	14.10
28 46 13 31-2447	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	56.39	14.10
28 46 13 31-2448	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	116.71	16.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2449		**Boxes, Plates And Decals** *(28 46 13 31-2216)*		
28 46 13 31-2450	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	57.03	14.10
28 46 13 31-2451	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	88.04	14.10
28 46 13 31-2452	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	96.28	14.10
28 46 13 31-2453	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	88.04	14.10
28 46 13 31-2454	EA	Red Retrofit Plate (System Sensor RFP)	40.03	8.46
28 46 13 31-2455	EA	White Retrofit Plate (System Sensor RFPW)	39.69	8.46
28 46 13 31-2456	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	73.74	14.10
28 46 13 31-2457	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	83.58	14.10
28 46 13 31-2458	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	57.72	14.10
28 46 13 31-2459	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	57.72	14.10
28 46 13 31-2460	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	49.37	14.10
28 46 13 31-2461	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	55.66	14.10
28 46 13 31-2462	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	55.66	14.10
28 46 13 31-2463	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	49.37	14.10
28 46 13 31-2464	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	55.54	14.10
28 46 13 31-2465	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	49.65	14.10
28 46 13 31-2466	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	17.82	5.64
28 46 13 31-2467	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	27.24	
28 46 13 31-2468	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	38.13	
28 46 13 31-2469	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	27.24	
28 46 13 31-2470	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	38.13	
28 46 13 31-2471	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	19.91	5.64
28 46 13 31-2472	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	19.91	5.64
28 46 13 31-2473	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	19.91	5.64
28 46 13 31-2474	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	19.91	5.64
28 46 13 31-2475	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	49.37	14.10
28 46 13 31-2476	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	49.37	14.10
28 46 13 31-2477	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	24.44	5.64
28 46 13 31-2478	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	24.44	5.64
28 46 13 31-2479	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	24.44	5.64
28 46 13 31-2480	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	24.44	5.64
28 46 13 31-2481	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	24.44	5.64
28 46 13 31-2482	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	24.44	5.64
28 46 13 31-2483	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	24.44	5.64
28 46 13 31-2484	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	24.44	5.64
28 46 13 31-2485	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	24.44	5.64
28 46 13 31-2486	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	24.44	5.64
28 46 13 31-2487	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	24.44	5.64
28 46 13 31-2488	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	24.44	5.64
28 46 13 31-2489	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	26.84	5.64
28 46 13 31-2490	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	26.84	5.64
28 46 13 31-2491	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	26.84	5.64
28 46 13 31-2492	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	26.84	5.64
28 46 13 31-2493	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	26.84	5.64
28 46 13 31-2494	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	24.44	5.64
28 46 13 31-2495	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	24.44	5.64
28 46 13 31-2496	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	24.44	5.64
28 46 13 31-2497	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	24.44	5.64
28 46 13 31-2498	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	24.44	5.64
28 46 13 31-2499	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	24.44	5.64
28 46 13 31-2500	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	26.84	5.64
28 46 13 31-2501	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	26.84	5.64
28 46 13 31-2502	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	26.84	5.64
28 46 13 31-2503	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	26.84	5.64
28 46 13 31-2504	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	26.84	5.64
28 46 13 31-2505	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	24.44	5.64
28 46 13 31-2506	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	24.44	5.64
28 46 13 31-2507	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2508	EA	Control Module Barrier (System Sensor CB500)	36.60	8.46
28 46 13 31-2509	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	33.51	8.46
28 46 13 31-2510	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	40.89	8.46
28 46 13 31-2511	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	158.79	8.46
28 46 13 31-2512	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	231.45	8.46
28 46 13 31-2513	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	231.45	8.46
28 46 13 31-2514	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	27.05	8.46
28 46 13 31-2515	EA	Black Faceplate (System Sensor FP-BLACK-BP)	26.22	8.46
28 46 13 31-2516	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	26.65	8.46
28 46 13 31-2517	EA	White Faceplate (System Sensor FP-WHITE-BP)	25.24	8.46
28 46 13 31-2518	EA	White, Back Box (System Sensor SMB500-WH)	46.68	14.10
28 46 13 31-2519	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	18.43	5.64
28 46 13 31-2520	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	26.78	5.64
28 46 13 31-2521	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	27.99	8.46
28 46 13 31-2522	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	24.44	5.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2523	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	26.84	5.64
28 46 13 31-2524	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	26.84	5.64
28 46 13 31-2525	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	26.84	5.64
28 46 13 31-2526	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	26.84	5.64
28 46 13 31-2527	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	26.84	5.64
28 46 13 31-2528	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	24.44	5.64
28 46 13 31-2529	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	24.44	5.64
28 46 13 31-2530	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	24.44	5.64
28 46 13 31-2531	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	74.19	14.10
28 46 13 31-2532	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	149.77	14.10
28 46 13 31-2533		**Chimes** *(28 46 13 31-2216)*		
28 46 13 31-2534	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	180.03	42.30
28 46 13 31-2535	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	157.25	42.30
28 46 13 31-2536		**Chime/Strobes** *(28 46 13 31-2216)*		
28 46 13 31-2537	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	233.34	42.30
28 46 13 31-2538	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	233.34	42.30
28 46 13 31-2539	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	235.06	42.30
28 46 13 31-2540	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	235.06	42.30
28 46 13 31-2541		**Carbon Monoxide Detectors** *(28 46 13 31-2216)*		
28 46 13 31-2542	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	313.08	56.40
28 46 13 31-2543	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	231.05	42.30
28 46 13 31-2544	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	18.19	5.64
28 46 13 31-2545	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	351.19	42.30
28 46 13 31-2546	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	259.25	56.40
28 46 13 31-2547	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	363.77	42.30
28 46 13 31-2548		**Switches** *(28 46 13 31-2216)*		
28 46 13 31-2549	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	214.45	22.56
28 46 13 31-2550	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	240.20	22.56
28 46 13 31-2551	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	214.45	22.56
28 46 13 31-2552	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	240.20	22.56
28 46 13 31-2553	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	223.61	22.56
28 46 13 31-2554	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	208.73	22.56
28 46 13 31-2555		**Low Frequency Sounders** *(28 46 13 31-2216)*		
28 46 13 31-2556	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	217.88	42.30
28 46 13 31-2557	EA	White, Low Frequency Sounder (System Sensor HW-LF)	217.88	42.30
28 46 13 31-2558	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	189.00	42.30
28 46 13 31-2559	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	189.00	42.30
28 46 13 31-2560	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	187.57	42.30
28 46 13 31-2561	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	187.57	42.30
28 46 13 31-2562		**Sync Modules** *(28 46 13 31-2216)*		
28 46 13 31-2563	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	167.95	28.20
28 46 13 31-2564	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	165.09	28.20
28 46 13 31-2565		**Relays** *(28 46 13 31-2216)*		
28 46 13 31-2566	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	93.40	22.56
28 46 13 31-2567	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	60.35	14.10
28 46 13 31-2568	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	182.66	14.10
28 46 13 31-2569	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	133.46	14.10
28 46 13 31-2570	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	101.07	22.56
28 46 13 31-2571	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	62.41	14.10
28 46 13 31-2572	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	206.12	14.10
28 46 13 31-2573	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	153.20	14.10
28 46 13 31-2574	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	52.00	14.10
28 46 13 31-2575	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	52.00	14.10

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28 46 13 31-2576	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	52.00	14.10
28 46 13 31-2577		**Remote Annunciator** *(28 46 13 31-2216)*		
28 46 13 31-2578	EA	Remote Annunciator (System Sensor RA100Z)	120.64	42.30
28 46 13 31-2579	EA	Remote LED Annunciator (System Sensor RA100ZA)	117.73	42.30
28 46 13 31-2580	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	150.13	42.30
28 46 13 31-2581		**Remote Test Station** *(28 46 13 31-2216)*		
28 46 13 31-2582	EA	Remote Test Station With Key (System Sensor RTS151KEY)	195.01	42.30
28 46 13 31-2583		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2584	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	783.12	56.40
28 46 13 31-2585		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2586		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2585)*		
28 46 13 31-2587	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	259.18	42.30
28 46 13 31-2588		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2585)*		
28 46 13 31-2589	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	259.18	42.30
28 46 13 31-2590	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	259.18	42.30
28 46 13 31-2591		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2585)*		
28 46 13 31-2592	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	164.87	42.30
28 46 13 31-2593	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	189.29	42.30
28 46 13 31-2594		**Wall Mounted Horns/Strobes** *(28 46 13 31-2585)*		
28 46 13 31-2595	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	168.60	42.30
28 46 13 31-2596	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	279.39	42.30
28 46 13 31-2597	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	229.34	42.30
28 46 13 31-2598	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	229.34	42.30
28 46 13 31-2599	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	264.02	42.30
28 46 13 31-2600	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	189.88	42.30
28 46 13 31-2601	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	187.68	42.30
28 46 13 31-2602	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	206.86	47.94
28 46 13 31-2603	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	167.73	42.30
28 46 13 31-2604	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	167.73	42.30
28 46 13 31-2605	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	186.81	42.30
28 46 13 31-2606	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	229.34	42.30
28 46 13 31-2607	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	229.34	42.30
28 46 13 31-2608		**Ceiling Mounted Strobes** *(28 46 13 31-2585)*		
28 46 13 31-2609	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	156.98	42.30
28 46 13 31-2610	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	156.98	42.30
28 46 13 31-2611	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	170.41	42.30
28 46 13 31-2612	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	150.40	42.30
28 46 13 31-2613	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	168.38	42.30
28 46 13 31-2614	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	169.92	42.30
28 46 13 31-2615	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	170.58	42.30
28 46 13 31-2616	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	179.28	42.30
28 46 13 31-2617		**Wall Mounted Strobes** *(28 46 13 31-2585)*		
28 46 13 31-2618	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	242.95	42.30
28 46 13 31-2619	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	193.39	42.30
28 46 13 31-2620	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	219.59	42.30
28 46 13 31-2621	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	155.22	42.30
28 46 13 31-2622	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	155.22	42.30
28 46 13 31-2623	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	166.63	42.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2624	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	173.08	47.94
28 46 13 31-2625	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	151.49	42.30
28 46 13 31-2626	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	151.49	42.30
28 46 13 31-2627	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	181.98	42.30
28 46 13 31-2628	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	157.20	42.30
28 46 13 31-2629	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	194.28	47.94
28 46 13 31-2630	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	193.01	42.30

28 46 13 31-2631 Ceiling Mounted Speakers/Strobes *(28 46 13 31-2585)*

28 46 13 31-2632	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	193.39	42.30
28 46 13 31-2633	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	193.39	42.30
28 46 13 31-2634	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	193.39	42.30
28 46 13 31-2635	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	195.58	42.30
28 46 13 31-2636	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	207.86	42.30
28 46 13 31-2637	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	224.97	42.30
28 46 13 31-2638	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	224.97	42.30
28 46 13 31-2639	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	197.33	42.30
28 46 13 31-2640	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	217.89	42.30
28 46 13 31-2641	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	231.62	42.30
28 46 13 31-2642	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	245.35	42.30

28 46 13 31-2643 Wall Mounted Speakers/Strobes *(28 46 13 31-2585)*

28 46 13 31-2644	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	308.44	42.30
28 46 13 31-2645	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	308.44	42.30
28 46 13 31-2646	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	207.86	42.30
28 46 13 31-2647	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	207.86	42.30
28 46 13 31-2648	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	193.39	42.30
28 46 13 31-2649	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	189.88	42.30
28 46 13 31-2650	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	207.86	42.30
28 46 13 31-2651	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	207.86	42.30
28 46 13 31-2652	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	305.02	42.30
28 46 13 31-2653	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	195.58	42.30
28 46 13 31-2654	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	193.83	42.30
28 46 13 31-2655	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	297.34	42.30
28 46 13 31-2656	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	305.02	42.30
28 46 13 31-2657	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	224.97	42.30
28 46 13 31-2658	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	224.97	42.30
28 46 13 31-2659	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	330.83	47.94
28 46 13 31-2660	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	177.16	42.30
28 46 13 31-2661	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	170.58	42.30
28 46 13 31-2662	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	231.62	42.30
28 46 13 31-2663	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	245.35	42.30
28 46 13 31-2664	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	250.50	42.30
28 46 13 31-2665	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	259.08	42.30
28 46 13 31-2666	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	265.38	42.30
28 46 13 31-2667	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	261.37	42.30
28 46 13 31-2668	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	259.08	42.30

28 46 13 31-2669 Electric Alarm Bells *(28 46 13 31-2585)*

28 46 13 31-2670	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	188.12	42.30
28 46 13 31-2671	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	181.10	42.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2672	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	228.04	42.30
28 46 13 31-2673	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,846.99	47.94
28 46 13 31-2674	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	2,991.00	47.94
28 46 13 31-2675	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,470.60	47.94
28 46 13 31-2676	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	148.42	42.30
28 46 13 31-2677	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	203.59	42.30
28 46 13 31-2678	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	151.06	42.30
28 46 13 31-2679	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	201.59	42.30
28 46 13 31-2680		**Horns** *(28 46 13 31-2585)*		
28 46 13 31-2681	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	152.95	42.30
28 46 13 31-2682	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	123.73	42.30
28 46 13 31-2683	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	123.73	42.30
28 46 13 31-2684	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	124.69	42.30
28 46 13 31-2685	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	124.69	42.30
28 46 13 31-2686	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	108.46	42.30
28 46 13 31-2687	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	108.46	42.30
28 46 13 31-2688	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	124.69	42.30
28 46 13 31-2689	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	149.82	42.30
28 46 13 31-2690		**Speakers** *(28 46 13 31-2585)*		
28 46 13 31-2691	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	127.50	42.30
28 46 13 31-2692	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	127.50	42.30
28 46 13 31-2693	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	127.50	42.30
28 46 13 31-2694	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	125.57	42.30
28 46 13 31-2695	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	127.50	42.30
28 46 13 31-2696	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	127.50	42.30
28 46 13 31-2697	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	127.50	42.30
28 46 13 31-2698	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	127.50	42.30
28 46 13 31-2699	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	148.64	42.30
28 46 13 31-2700	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	148.64	42.30
28 46 13 31-2701	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	150.40	42.30
28 46 13 31-2702	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	203.02	42.30
28 46 13 31-2703	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	183.00	42.30
28 46 13 31-2704	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	286.38	42.30
28 46 13 31-2705	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	286.38	42.30
28 46 13 31-2706	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	203.02	42.30
28 46 13 31-2707	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	205.31	42.30
28 46 13 31-2708	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	183.00	42.30
28 46 13 31-2709	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	273.96	42.30
28 46 13 31-2710	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	196.73	42.30
28 46 13 31-2711		**Sync Modules** *(28 46 13 31-2585)*		
28 46 13 31-2712	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	189.68	28.20
28 46 13 31-2713		**Boxes, Plates And Rings** *(28 46 13 31-2585)*		
28 46 13 31-2714	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	37.81	14.10
28 46 13 31-2715	EA	Standard 4" Square Box (Wheelock BB-STD)	37.12	14.10
28 46 13 31-2716	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	241.18	28.20
28 46 13 31-2717	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	241.18	28.20
28 46 13 31-2718	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	185.85	22.56
28 46 13 31-2719	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	19.88	5.64
28 46 13 31-2720	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	19.88	5.64
28 46 13 31-2721	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	48.20	14.10
28 46 13 31-2722	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	45.40	14.10
28 46 13 31-2723	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	48.20	14.10
28 46 13 31-2724	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	48.20	14.10
28 46 13 31-2725	EA	4" Square Back Box (Wheelock DBB-R)	39.60	14.10
28 46 13 31-2726	EA	Red, Surface Back Box (Wheelock IOB-R)	46.36	14.10
28 46 13 31-2727	EA	White, Surface, Back Box (Wheelock IOB-W)	46.36	14.10
28 46 13 31-2728	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	18.96	5.64
28 46 13 31-2729	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	25.80	5.64
28 46 13 31-2730	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	25.80	5.64
28 46 13 31-2731	EA	Red Retrofit Plate (Wheelock RP-R)	22.68	5.64
28 46 13 31-2732	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	40.23	5.64
28 46 13 31-2733	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	48.64	14.10
28 46 13 31-2734	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	49.26	14.10
28 46 13 31-2735	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	52.50	14.10
28 46 13 31-2736	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	27.09	5.64
28 46 13 31-2737	EA	White, Semi-Flush Plate (Wheelock SFB-W)	27.09	5.64
28 46 13 31-2738	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	42.54	14.10
28 46 13 31-2739	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	42.54	14.10
28 46 13 31-2740	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	28.48	5.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2741	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	47.85	14.10
28 46 13 31-2742	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	47.85	14.10
28 46 13 31-2743	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	47.85	14.10
28 46 13 31-2744	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	35.14	5.64
28 46 13 31-2745	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	35.14	5.64
28 46 13 31-2746	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	35.14	5.64
28 46 13 31-2747	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	35.14	5.64
28 46 13 31-2748	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	23.81	5.64
28 46 13 31-2749	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	59.32	14.10
28 46 13 31-2750	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	54.29	14.10
28 46 13 31-2751	EA	Red Plate For RSS (Wheelock RSSCP-R)	18.96	5.64
28 46 13 31-2752	EA	White Plate For RSS (Wheelock RSSCP-W)	18.96	5.64
28 46 13 31-2753	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	19.88	5.64
28 46 13 31-2754	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	19.88	5.64
28 46 13 31-2755	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	19.35	5.64
28 46 13 31-2756	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	148.58	5.64
28 46 13 31-2757	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	133.13	5.64
28 46 13 31-2758	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	130.84	5.64
28 46 13 31-2759	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	133.13	5.64
28 46 13 31-2760	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	21.98	5.64
28 46 13 31-2761	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	21.29	5.64
28 46 13 31-2762	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	22.49	5.64
28 46 13 31-2763	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	22.49	5.64
28 46 13 31-2764	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	21.29	5.64
28 46 13 31-2765	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	22.38	5.64
28 46 13 31-2766	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	22.38	5.64
28 46 13 31-2767	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	21.29	5.64
28 46 13 31-2768	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	21.29	5.64
28 46 13 31-2769	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	29.99	5.64
28 46 13 31-2770	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	30.33	5.64
28 46 13 31-2771	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	23.81	5.64
28 46 13 31-2772	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	22.49	5.64
28 46 13 31-2773	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	23.81	5.64
28 46 13 31-2774	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	59.32	14.10
28 46 13 31-2775	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	54.29	14.10
28 46 13 31-2776	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	54.29	14.10
28 46 13 31-2777		**Manual Pull Station** *(28 46 13 31-2585)*		
28 46 13 31-2778	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	135.71	28.20
28 46 13 31-2779	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	135.71	28.20
28 46 13 31-2780	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,254.04	28.20
28 46 13 31-2781		**Potter Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2782		**Electric Alarm Bells** *(28 46 13 31-2781)*		
28 46 13 31-2783	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	125.70	42.30
28 46 13 31-2784	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	138.68	42.30
28 46 13 31-2785	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	145.17	42.30
28 46 13 31-2786	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	125.70	42.30
28 46 13 31-2787	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	138.68	42.30
28 46 13 31-2788	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	145.17	42.30
28 46 13 31-2789	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	136.72	42.30
28 46 13 31-2790	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	142.94	42.30
28 46 13 31-2791	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	179.64	42.30
28 46 13 31-2792	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	127.57	42.30
28 46 13 31-2793	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	142.94	42.30
28 46 13 31-2794	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	155.80	42.30
28 46 13 31-2795		**Manual Pull Station** *(28 46 13 31-2781)*		
28 46 13 31-2796	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	93.19	28.20
28 46 13 31-2797	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	99.09	28.20
28 46 13 31-2798	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	165.42	28.20
28 46 13 31-2799	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	102.75	28.20
28 46 13 31-2800	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	96.53	28.20
28 46 13 31-2801	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	186.17	28.20
28 46 13 31-2802	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	235.65	28.20
28 46 13 31-2803		**Fire Alarm Terminal Cabinets** *(28 46 13 31)*		
28 46 13 31-2804	EA	18 Point Lockable Fire Alarm Terminal Cabinet	251.51	56.50
28 46 13 31-2805	EA	32 Point Lockable Fire Alarm Terminal Cabinet	334.65	56.50
28 46 13 31-2806	EA	64 Point Lockable Fire Alarm Terminal Cabinet	500.89	56.50
28 46 13 31-2807	EA	128 Point Lockable Fire Alarm Terminal Cabinet	667.09	56.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2808		Test And Certification Of Fire Alarm System To Tie In To Existing Systems *(28 46 13 31)*		
28 46 13 31-2809	HR	Test And Certification Of Fire Alarm System	280.08	
28 46 13 31-2810		Programming Of Existing Fire Alarm System *(28 46 13 31)*		
28 46 13 31-2811	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	224.06	
28 46 13 31-2812		Removal And Reinstallation Of Smoke Detector *(28 46 13 31)* Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2813	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	157.93	
28 46 13 31-2814	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	126.90	
28 46 13 31-2815		Kidde Fire Safety Equipment *(28 46 13 31)*		
28 46 13 31-2816		Smoke Detectors *(28 46 13 31-2815)*		
28 46 13 31-2817	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	157.19	42.30
28 46 13 31-2818	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	136.71	42.30
28 46 13 31-2819	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	130.51	42.30
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		Protectowire Fire Alarm *(28 46 31 11)*		
28 46 31 11-0002		Linear Heat Detector Cable *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	5.90	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	6.42	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.42	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	6.93	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	7.34	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	7.86	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	70.24	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	28.96	
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	9.23	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	9.23	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	10.06	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	15.72	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	16.41	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.73	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.35	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.40	
28 46 41		**Fire-Alarm Notification Appliances** *(28 46)*		
28 46 41 11		**Audible Fire-Alarm Notification Appliances** *(28 46 41)* See CSI section 28 46 13 31-0000 for fire alarm speakers.		
28 46 41 31		**Combination Fire-Alarm Notification Appliances** *(28 46 41)* See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.		
28 47		**Mass Notification** *(28 40)*		
28 47 15		**Mass Notification Control Panels** *(28 47)*		
28 47 15 00-0001		Central Station Controls *(28 47 15)*		
28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	1,005.98	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,637.90	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,897.22	56.40
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,491.72	28.20
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,693.50	112.80
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	825.32	28.20
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	886.04	28.20
28 47 17		**Notification Devices and Methods** *(28 47)*		
28 47 17 17		**Notification Appliances and Methods Public Methods** *(28 47 17)*		
28 47 17 17-0001		Voice Capable Omni-Directional Speakers *(28 47 17 17)*		
28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,779.83	747.35
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,894.96	779.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,971.30	812.33
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,047.65	844.82
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	26,201.54	877.32
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	31,487.67	909.82
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	34,602.78	942.31
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	38,351.12	974.80
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	41,427.46	1,007.29
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	44,542.59	1,039.79
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,324.63	909.82
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	32,315.46	942.31
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	535.80	28.20
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,279.10	28.20
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,279.10	28.20
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,059.42	28.20
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,994.80	28.20
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	494.61	28.20
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	635.34	28.20
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	660.51	28.20
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,250.15	28.20
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,498.79	28.20
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,498.79	28.20
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,498.79	28.20
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	886.04	28.20
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	611.73	28.20
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	405.37	28.20
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	305.82	28.20
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-up Charge Per Message) (Whelen MSGPROG)	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	162.23	28.20
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,159.77	42.30
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	10,729.33	714.85
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,564.12	169.20
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,333.15	42.30
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,333.15	42.30
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,333.15	42.30
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,333.15	42.30
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,333.15	42.30
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	803.13	42.30
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	803.13	42.30
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	803.13	42.30
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	625.78	42.30
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	625.78	42.30
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	625.78	42.30
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	625.78	42.30
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	625.78	42.30
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	900.25	28.20
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	666.23	28.20
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	666.23	28.20
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	426.34	42.30
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	536.81	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	927.10	28.20
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	461.43	28.20
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	162.23	28.20
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	916.80	28.20

28 47 17 17-0058 Tone Only, Omni-Alert Sirens *(28 47 17 17)*

28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	11,078.25	714.85
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,909.06	747.35
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,714.04	779.84
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,583.62	812.33
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	317.44	28.20
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	535.80	28.20
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,279.10	28.20
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,279.10	28.20
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	2,059.42	28.20
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,994.80	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	430.54	28.20
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	710.29	28.20
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	738.72	28.20
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,498.79	28.20
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,498.79	28.20
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,498.79	28.20
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,498.79	28.20
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	886.04	28.20
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	405.37	28.20
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	461.43	28.20
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	244.04	28.20
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,564.12	169.20
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	940.42	42.30

28 47 17 17-0082 Tone-Only Rotating Directional Speakers *(28 47 17 17)*

28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,306.10	844.82
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	24,728.35	877.32
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	287.52	28.20
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	597.86	28.20
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,279.10	28.20
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,279.10	28.20
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,059.42	28.20
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,994.80	28.20
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	430.54	28.20
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	696.07	28.20
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	738.72	28.20
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,498.79	28.20
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,498.79	28.20
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,498.79	28.20
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,498.79	28.20
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	886.04	28.20
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	513.86	28.20
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	405.37	28.20
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	244.04	28.20
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	710.29	28.20
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,564.12	169.20
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	940.42	42.30
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,808.74	

28 47 17 17-0106 Uni-Directional Rotating Speakers *(28 47 17 17)*

28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,761.96	747.35
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	287.52	28.20
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	597.86	28.20
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,279.10	28.20
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,279.10	28.20
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,059.42	28.20
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,994.80	28.20
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	478.97	28.20
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	622.75	28.20
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	660.51	28.20
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,498.79	28.20
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,498.79	28.20
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,498.79	28.20
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,498.79	28.20
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	886.04	28.20
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	461.43	28.20
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	405.37	28.20
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	244.04	28.20
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,564.12	169.20
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	657.08	28.20
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	940.42	42.30

28 47 17 17-0128 All Hazard In-Plant Personnel Warning System *(28 47 17 17)*

28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	7,284.03	902.40
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	8,866.51	1,015.20
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	408.39	42.30
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	390.09	42.30
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	756.22	42.30
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	512.51	42.30
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	1,047.97	42.30
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,814.60	47.94
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	663.54	42.30
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,040.95	47.94
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	244.04	28.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0140		**Firehouse Siren** *(28 47 17 17)*		
28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	287.52	28.20
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	430.54	28.20
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	696.07	28.20
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	660.51	28.20
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,498.79	28.20
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,498.79	28.20
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,498.79	28.20
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,498.79	28.20
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	405.37	28.20
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	244.04	28.20
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280) Note: Two 80 watt panels, with brackets and solar regulator.	4,564.12	169.20
28 47 17 17-0152		**Alert Monitor And Message Display** *(28 47 17 17)*		
28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,085.26	28.20
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,085.26	28.20
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,085.26	28.20
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,085.26	28.20
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	252.79	42.30
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	68.99	28.20
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	162.47	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	255.15	
28 47 17 17-0161		**Portable Test Set** *(28 47 17 17)*		
28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	8,438.52	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	8,438.52	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	8,438.52	
28 47 17 17-0165		**Replacement Warning Lights** *(28 47 17 17)*		
28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	401.45	45.12
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	401.45	45.12
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	401.45	45.12
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	401.45	45.12
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	401.45	45.12
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	432.34	45.12
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	277.88	45.12
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	427.76	45.12
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	427.76	45.12
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	427.76	45.12
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	401.45	45.12
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	401.45	45.12
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	401.45	45.12
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	401.45	45.12
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	401.45	45.12
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	450.65	45.12
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	450.65	45.12
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	289.32	45.12
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	289.32	45.12
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	289.32	45.12
28 47 17 17-0186		**Antenna** *(28 47 17 17)*		
28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	318.13	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	273.64	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,914.60	
28 47 21		**Mass Notification System Interfaces** *(28 47)*		
28 47 21 21		**Notification Interfaces to Fire Detection and Alarm** *(28 47 21)*		
28 47 21 21-0001		**Emergency Command Center (Honeywell Fire-Lite)** *(28 47 21 21)*		
28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100 E)	2,447.30	282.00
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	477.47	22.56
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	419.03	28.20
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	432.12	28.20
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	221.40	28.20
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,318.63	56.40
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,046.17	14.10
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,001.97	56.40
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,729.69	56.40
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	2,747.79	56.40
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,346.61	28.20
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	414.25	28.20
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	95.50	28.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	53.29	11.28
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	752.94	11.28
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	154.76	11.28
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	286.77	28.20
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	369.10	28.20
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	273.41	28.20

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001 Personnel Alarm Locating System *(28 49 11)*

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	24,870.37	905.45
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	199.85	
28 49 11 00-0004	EA	Lapel Reader	76.86	
28 49 11 00-0005	EA	IR Locator	267.63	33.90
28 49 11 00-0006	EA	Repeaters And Receivers	641.06	113.00

28 49 11 00-0007 Identipass Card Access Control System *(28 49 11)*

Note: Excludes wiring and programming.

28 49 11 00-0008	EA	Indala Proximity Keytags (IDENT ASC-116)	9.64	
28 49 11 00-0009	EA	Indala Flexcard Proximity Card, 26bit (IDENT ASC-121T)	5.63	
28 49 11 00-0010	EA	Communications Converter (IDENT F55-485/conv)	619.69	28.20
28 49 11 00-0011	EA	4-Door Controller (IDENT F55-9CTLR/6)	4,644.56	225.60
28 49 11 00-0012	EA	User Interface (IDENT F55-IPASSU)	2,553.71	56.40
28 49 11 00-0013	EA	Network Interface (IDENT F55-NETLINK)	688.60	56.40
28 49 11 00-0014	EA	4-Reader Expansion Board (IDENT F55-RDR/EXPD)	1,846.40	28.20
28 49 11 00-0015	EA	Remote Input/Output Board (IDENT F55-RIO/BRD)	2,973.26	141.00
28 49 11 00-0016	EA	Proximity Card Reader (IDENT F55-L/F 26SB)	663.71	112.80
28 49 11 00-0017	EA	Slimline Flexpass Proximity Card Reader (IDENT F60-L/F26SB)	663.71	112.80
28 49 11 00-0018	EA	Proximity Card Reader (IDENT F60 L/F 28WB)	663.71	112.80

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*

28 49 17 00-0002 Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	339.02	67.80
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	402.79	79.10
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	406.01	79.10

28 49 17 00-0006 Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	252.43	42.37
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	248.70	33.90
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	108.38	33.90
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	198.88	33.90
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	231.23	33.90
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	264.81	33.90
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	372.75	33.90
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	419.19	33.90

28 49 17 00-0015 Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*

28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	148.98	33.90
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	226.11	33.90
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	300.57	33.90
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	331.88	11.30
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	233.00	33.90
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	277.53	33.90
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	480.47	33.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	220.75	33.90
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	279.84	11.30
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	435.27	11.30
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	444.83	11.30
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	587.55	11.30

END OF SECTION 28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	780.46
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	1,194.03
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	1,034.55

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand	40.42
		For Up To 8, Add	*8.08*
		For >8 To 16, Add	*4.04*
		For >48 To 64, Deduct	*-3.01*
		For >64 To 96, Deduct	*-5.03*
		For >96 To 168, Deduct	*-7.05*
		For >168 To 240, Deduct	*-8.56*
		For >240, Deduct	*-10.06*
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand	52.04
		For Up To 8, Add	*10.41*
		For >8 To 16, Add	*5.20*
		For >48 To 64, Deduct	*-3.59*
		For >64 To 96, Deduct	*-6.19*
		For >96 To 168, Deduct	*-8.80*
		For >168 To 240, Deduct	*-10.59*
		For >240, Deduct	*-12.39*
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	67.25
		For Up To 8, Add	*13.45*
		For >8 To 16, Add	*6.73*
		For >48 To 64, Deduct	*-4.35*
		For >64 To 96, Deduct	*-7.72*
		For >96 To 168, Deduct	*-11.08*
		For >168 To 240, Deduct	*-13.25*
		For >240, Deduct	*-15.43*
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand	58.20
		For Up To 8, Add	*11.64*
		For >8 To 16, Add	*5.82*
		For >48 To 64, Deduct	*-3.90*
		For >64 To 96, Deduct	*-6.81*
		For >96 To 168, Deduct	*-9.72*
		For >168 To 240, Deduct	*-11.67*
		For >240, Deduct	*-13.62*
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand	102.30
		For Up To 8, Add	*20.46*
		For >8 To 16, Add	*10.23*
		For >48 To 64, Deduct	*-6.11*
		For >64 To 96, Deduct	*-11.22*
		For >96 To 168, Deduct	*-16.34*
		For >168 To 240, Deduct	*-19.39*
		For >240, Deduct	*-22.44*
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt	44.18
		For Up To 8, Add	*8.84*
		For >8 To 16, Add	*4.42*
		For >48 To 64, Deduct	*-3.20*
		For >64 To 96, Deduct	*-5.41*
		For >96 To 168, Deduct	*-7.62*
		For >168 To 240, Deduct	*-9.22*
		For >240, Deduct	*-10.82*
31 05 13 00-0008	CY	Lime Rock Screening	41.66
		For Up To 8, Add	*8.33*
		For >8 To 16, Add	*4.17*
		For >48 To 64, Deduct	*-3.07*
		For >64 To 96, Deduct	*-5.16*
		For >96 To 168, Deduct	*-7.24*
		For >168 To 240, Deduct	*-8.78*
		For >240, Deduct	*-10.31*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	41.66	
		For Up To 8, Add	*8.33*	
		For >8 To 16, Add	*4.17*	
		For >48 To 64, Deduct	*-3.07*	
		For >64 To 96, Deduct	*-5.16*	
		For >96 To 168, Deduct	*-7.24*	
		For >168 To 240, Deduct	*-8.78*	
		For >240, Deduct	*-10.31*	
31 05 13 00-0010	CY	Sand/Clay	42.22	
		For Up To 8, Add	*8.44*	
		For >8 To 16, Add	*4.22*	
		For >48 To 64, Deduct	*-3.10*	
		For >64 To 96, Deduct	*-5.21*	
		For >96 To 168, Deduct	*-7.32*	
		For >168 To 240, Deduct	*-8.87*	
		For >240, Deduct	*-10.42*	
31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.86	
		For Up To 8, Add	*7.57*	
		For >8 To 16, Add	*3.79*	
		For >48 To 64, Deduct	*-2.88*	
		For >64 To 96, Deduct	*-4.78*	
		For >96 To 168, Deduct	*-6.67*	
		For >168 To 240, Deduct	*-8.11*	
		For >240, Deduct	*-9.55*	
31 05 13 00-0012	CY	Pit Run Clay	55.33	
		For Up To 8, Add	*11.07*	
		For >8 To 16, Add	*5.53*	
		For >48 To 64, Deduct	*-3.76*	
		For >64 To 96, Deduct	*-6.52*	
		For >96 To 168, Deduct	*-9.29*	
		For >168 To 240, Deduct	*-11.17*	
		For >240, Deduct	*-13.05*	
31 05 13 00-0013	CY	Light Clay / Loam	51.09	
		For Up To 8, Add	*10.22*	
		For >8 To 16, Add	*5.11*	
		For >48 To 64, Deduct	*-3.54*	
		For >64 To 96, Deduct	*-6.10*	
		For >96 To 168, Deduct	*-8.65*	
		For >168 To 240, Deduct	*-10.43*	
		For >240, Deduct	*-12.20*	
31 05 13 00-0014	CY	Heavy Clay	61.60	
		For Up To 8, Add	*12.32*	
		For >8 To 16, Add	*6.16*	
		For >48 To 64, Deduct	*-4.07*	
		For >64 To 96, Deduct	*-7.15*	
		For >96 To 168, Deduct	*-10.23*	
		For >168 To 240, Deduct	*-12.27*	
		For >240, Deduct	*-14.30*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 (1-1/2" To 2-1/2" Clean) Stone Aggregate Fill	54.09	
		For Up To 8, Add	*10.82*	
		For >8 To 16, Add	*5.41*	
		For >48 To 64, Deduct	*-3.69*	
		For >64 To 96, Deduct	*-6.40*	
		For >96 To 168, Deduct	*-9.10*	
		For >168 To 240, Deduct	*-10.95*	
		For >240, Deduct	*-12.80*	
31 05 16 00-0003	CY	#3 (1" To 2" Clean) Stone Aggregate Fill	56.10	
		For Up To 8, Add	*11.22*	
		For >8 To 16, Add	*5.61*	
		For >48 To 64, Deduct	*-3.80*	
		For >64 To 96, Deduct	*-6.60*	
		For >96 To 168, Deduct	*-9.41*	
		For >168 To 240, Deduct	*-11.30*	
		For >240, Deduct	*-13.20*	
31 05 16 00-0004	CY	#4 (3/4" To 1-1/2" Clean) Stone Aggregate Fill	54.09	
		For Up To 8, Add	*10.82*	
		For >8 To 16, Add	*5.41*	
		For >48 To 64, Deduct	*-3.69*	
		For >64 To 96, Deduct	*-6.40*	
		For >96 To 168, Deduct	*-9.10*	
		For >168 To 240, Deduct	*-10.95*	
		For >240, Deduct	*-12.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 (1/2" To 1" Clean) Stone Aggregate Fill	57.56	
		For Up To 8, Add	*11.51*	
		For >8 To 16, Add	*5.76*	
		For >48 To 64, Deduct	*-3.87*	
		For >64 To 96, Deduct	*-6.75*	
		For >96 To 168, Deduct	*-9.62*	
		For >168 To 240, Deduct	*-11.56*	
		For >240, Deduct	*-13.49*	
31 05 16 00-0006	CY	#6 (3/8" To 3/4" Clean) Stone Aggregate Fill	59.60	
		For Up To 8, Add	*11.92*	
		For >8 To 16, Add	*5.96*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-6.95*	
		For >96 To 168, Deduct	*-9.93*	
		For >168 To 240, Deduct	*-11.92*	
		For >240, Deduct	*-13.90*	
31 05 16 00-0007	CY	#56 (3/8" To 1") Stone Aggregate Fill	57.88	
		For Up To 8, Add	*11.58*	
		For >8 To 16, Add	*5.79*	
		For >48 To 64, Deduct	*-3.88*	
		For >64 To 96, Deduct	*-6.78*	
		For >96 To 168, Deduct	*-9.67*	
		For >168 To 240, Deduct	*-11.61*	
		For >240, Deduct	*-13.56*	
31 05 16 00-0008	CY	#57 (3/8" To 1") Stone Aggregate Fill	61.44	
		For Up To 8, Add	*12.29*	
		For >8 To 16, Add	*6.14*	
		For >48 To 64, Deduct	*-4.06*	
		For >64 To 96, Deduct	*-7.13*	
		For >96 To 168, Deduct	*-10.21*	
		For >168 To 240, Deduct	*-12.24*	
		For >240, Deduct	*-14.27*	
31 05 16 00-0009	CY	#67 Or #68 (3/16" To 3/4") Stone Aggregate Fill	55.99	
		For Up To 8, Add	*11.20*	
		For >8 To 16, Add	*5.60*	
		For >48 To 64, Deduct	*-3.79*	
		For >64 To 96, Deduct	*-6.59*	
		For >96 To 168, Deduct	*-9.39*	
		For >168 To 240, Deduct	*-11.28*	
		For >240, Deduct	*-13.18*	
31 05 16 00-0010	CY	#7I (3/8" To 1/2") Stone Aggregate Fil	56.98	
		For Up To 8, Add	*11.40*	
		For >8 To 16, Add	*5.70*	
		For >48 To 64, Deduct	*-3.84*	
		For >64 To 96, Deduct	*-6.69*	
		For >96 To 168, Deduct	*-9.54*	
		For >168 To 240, Deduct	*-11.46*	
		For >240, Deduct	*-13.38*	
31 05 16 00-0011	CY	#78 (3/32" To 1/2") Stone Aggregate Fill	57.41	
		For Up To 8, Add	*11.48*	
		For >8 To 16, Add	*5.74*	
		For >48 To 64, Deduct	*-3.86*	
		For >64 To 96, Deduct	*-6.73*	
		For >96 To 168, Deduct	*-9.60*	
		For >168 To 240, Deduct	*-11.53*	
		For >240, Deduct	*-13.46*	
31 05 16 00-0012	CY	#8 (3/32" To 3/8") Stone Aggregate Fill	59.60	
		For Up To 8, Add	*11.92*	
		For >8 To 16, Add	*5.96*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-6.95*	
		For >96 To 168, Deduct	*-9.93*	
		For >168 To 240, Deduct	*-11.92*	
		For >240, Deduct	*-13.90*	
31 05 16 00-0013	CY	#89 (1/16" To 3/8") Stone Aggregate Fill	60.22	
		For Up To 8, Add	*12.04*	
		For >8 To 16, Add	*6.02*	
		For >48 To 64, Deduct	*-4.00*	
		For >64 To 96, Deduct	*-7.01*	
		For >96 To 168, Deduct	*-10.02*	
		For >168 To 240, Deduct	*-12.02*	
		For >240, Deduct	*-14.02*	
31 05 16 00-0014	CY	#9 (3/32" To 3/16") Stone Aggregate Fill	59.60	
		For Up To 8, Add	*11.92*	
		For >8 To 16, Add	*5.96*	
		For >48 To 64, Deduct	*-3.97*	
		For >64 To 96, Deduct	*-6.95*	
		For >96 To 168, Deduct	*-9.93*	
		For >168 To 240, Deduct	*-11.92*	
		For >240, Deduct	*-13.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015	CY	#10 (1/16" To 3/16") Stone Aggregate Fill	60.86	
		For Up To 8, Add	*12.17*	
		For >8 To 16, Add	*6.09*	
		For >48 To 64, Deduct	*-4.03*	
		For >64 To 96, Deduct	*-7.08*	
		For >96 To 168, Deduct	*-10.12*	
		For >168 To 240, Deduct	*-12.14*	
		For >240, Deduct	*-14.15*	
31 05 16 00-0016	CY	#610 (1/16" To 3/4") Modified Stone Aggregate Fill	60.22	
		For Up To 8, Add	*12.04*	
		For >8 To 16, Add	*6.02*	
		For >48 To 64, Deduct	*-4.00*	
		For >64 To 96, Deduct	*-7.01*	
		For >96 To 168, Deduct	*-10.02*	
		For >168 To 240, Deduct	*-12.02*	
		For >240, Deduct	*-14.02*	
31 05 16 00-0017	CY	3/16" Max Screenings Stone Aggregate Fill	51.27	
		For Up To 8, Add	*10.25*	
		For >8 To 16, Add	*5.13*	
		For >48 To 64, Deduct	*-3.55*	
		For >64 To 96, Deduct	*-6.12*	
		For >96 To 168, Deduct	*-8.68*	
		For >168 To 240, Deduct	*-10.46*	
		For >240, Deduct	*-12.23*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	55.32	
		For Up To 8, Add	*11.06*	
		For >8 To 16, Add	*5.53*	
		For >48 To 64, Deduct	*-3.76*	
		For >64 To 96, Deduct	*-6.52*	
		For >96 To 168, Deduct	*-9.29*	
		For >168 To 240, Deduct	*-11.17*	
		For >240, Deduct	*-13.04*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	55.32	
		For Up To 8, Add	*11.06*	
		For >8 To 16, Add	*5.53*	
		For >48 To 64, Deduct	*-3.76*	
		For >64 To 96, Deduct	*-6.52*	
		For >96 To 168, Deduct	*-9.29*	
		For >168 To 240, Deduct	*-11.17*	
		For >240, Deduct	*-13.04*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	59.36	
		For Up To 8, Add	*11.87*	
		For >8 To 16, Add	*5.94*	
		For >48 To 64, Deduct	*-3.96*	
		For >64 To 96, Deduct	*-6.93*	
		For >96 To 168, Deduct	*-9.89*	
		For >168 To 240, Deduct	*-11.87*	
		For >240, Deduct	*-13.85*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	62.24	
		For Up To 8, Add	*12.45*	
		For >8 To 16, Add	*6.22*	
		For >48 To 64, Deduct	*-4.10*	
		For >64 To 96, Deduct	*-7.21*	
		For >96 To 168, Deduct	*-10.33*	
		For >168 To 240, Deduct	*-12.38*	
		For >240, Deduct	*-14.43*	
31 05 16 00-0022	CY	2-1/2" Minus Crusher Run Aggregate Fill	37.20	
		For Up To 8, Add	*7.44*	
		For >8 To 16, Add	*3.72*	
		For >48 To 64, Deduct	*-2.85*	
		For >64 To 96, Deduct	*-4.71*	
		For >96 To 168, Deduct	*-6.57*	
		For >168 To 240, Deduct	*-8.00*	
		For >240, Deduct	*-9.42*	
31 05 16 00-0023	CY	1-1/2" Minus Crusher Run Aggregate Fill	40.38	
		For Up To 8, Add	*8.08*	
		For >8 To 16, Add	*4.04*	
		For >48 To 64, Deduct	*-3.01*	
		For >64 To 96, Deduct	*-5.03*	
		For >96 To 168, Deduct	*-7.05*	
		For >168 To 240, Deduct	*-8.55*	
		For >240, Deduct	*-10.06*	
31 05 16 00-0024	CY	3/4" Minus Crusher Run Aggregate Fill	38.32	
		For Up To 8, Add	*7.66*	
		For >8 To 16, Add	*3.83*	
		For >48 To 64, Deduct	*-2.91*	
		For >64 To 96, Deduct	*-4.82*	
		For >96 To 168, Deduct	*-6.74*	
		For >168 To 240, Deduct	*-8.19*	
		For >240, Deduct	*-9.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	70.28	
		For Up To 8, Add	*14.06*	
		For >8 To 16, Add	*7.03*	
		For >48 To 64, Deduct	*-4.50*	
		For >64 To 96, Deduct	*-8.02*	
		For >96 To 168, Deduct	*-11.53*	
		For >168 To 240, Deduct	*-13.78*	
		For >240, Deduct	*-16.04*	
31 05 16 00-0026	CY	#20 Silica Sand For Playground Use Only	140.84	
		For Up To 8, Add	*28.17*	
		For >8 To 16, Add	*14.08*	
		For >48 To 64, Deduct	*-8.03*	
		For >64 To 96, Deduct	*-15.07*	
		For >96 To 168, Deduct	*-22.12*	
		For >168 To 240, Deduct	*-26.13*	
		For >240, Deduct	*-30.15*	
31 05 16 00-0027	CY	Graded Aggregate Base Fill (3/4" Minus) Class II Base	55.59	
		For Up To 8, Add	*11.12*	
		For >8 To 16, Add	*5.56*	
		For >48 To 64, Deduct	*-3.77*	
		For >64 To 96, Deduct	*-6.55*	
		For >96 To 168, Deduct	*-9.33*	
		For >168 To 240, Deduct	*-11.21*	
		For >240, Deduct	*-13.10*	
31 05 16 00-0028	CY	#200 to 1-1/2" Class 5 Granite Aggregate Fill	51.03	
		For Up To 8, Add	*10.21*	
		For >8 To 16, Add	*5.10*	
		For >48 To 64, Deduct	*-3.54*	
		For >64 To 96, Deduct	*-6.09*	
		For >96 To 168, Deduct	*-8.64*	
		For >168 To 240, Deduct	*-10.42*	
		For >240, Deduct	*-12.19*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 08 Commissioning of Earthwork *(31)*

31 08 13 Pile Load Testing *(31 08)*

31 08 13 00-0001 Pile Test By Load Ranges *(31 08 13)*

31 08 13 00-0002	EA	Pile Load Test, 50 To 100 Ton Design Load	49,468.63	
		For Barge Mounted Testing, Add	*19,787.45*	
		For Testing In Wet/Soft Soil Condition, Add	*14,840.59*	
31 08 13 00-0003	EA	Pile Load Test, 101 To 200 Ton Design Load	58,192.10	
		For Barge Mounted Testing, Add	*23,276.84*	
		For Testing In Wet/Soft Soil Condition, Add	*17,457.63*	
31 08 13 00-0004	EA	Pile Load Test, 201 To 300 Ton Design Load	69,671.56	
		For Barge Mounted Testing, Add	*27,868.62*	
		For Testing In Wet/Soft Soil Condition, Add	*20,901.47*	
31 08 13 00-0005	EA	Pile Load Test, 301 To 400 Ton Design Load	84,008.35	
		For Barge Mounted Testing, Add	*33,603.34*	
		For Testing In Wet/Soft Soil Condition, Add	*25,202.51*	

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	8,195.07
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,565.64
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	10,926.76
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	4,276.07
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	15,024.30
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	6,414.10
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	21,853.52
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,979.75
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	368.05
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	769.24
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,095.62
31 11 00 00-0013	ACR	Chipping - Light Brush	2,914.33
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,747.17
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,246.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0016		Loading Of Cleared And Grubbed Material *(31 11)*		
31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.90	
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	15.49	
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	43.59	
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	34.25	
31 11 00 00-0021		Burning Of Cleared Land Debris; Limbs, Stumps, Brush, etc. *(31 11)*		
		Note: Includes air curtain destructor (fan) equipment delivery and set-up, equipment (excavator and dozer for loading material into trench for burning) and personnel. Excludes excavation for digging of trench, backfill trench, loading burned debris (organic) into truck or hauling.		
31 11 00 00-0022	HR	Burning Of Cleared Land Debris - 4 Hour Minimum	749.66	
31 11 00 00-0023		Drum Grinding Of Cleared Land Debris; Limbs, Stumps, Brush, etc. *(31 11)*		
		Note: Includes drum equipment delivery and set-up, equipment (excavator for loading stockpiled material into drum grinder) and personnel. Excludes loading chipped/ground debris (organic) into truck or hauling.		
31 11 00 00-0024	HR	Drum Grinding Of Cleared Land Debris - 4 Hour Minimum	591.70	

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001		Individual Tree Removal *(31 13 13)*		
		Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	682.92	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-170.73*	
		For >4 To 10, Deduct	*-40.98*	
		For >25, Deduct	*-128.05*	
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	1,024.39	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-256.10*	
		For >4 To 10, Deduct	*-61.46*	
		For >25, Deduct	*-192.07*	
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	1,365.85	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-341.46*	
		For >4 To 10, Deduct	*-81.95*	
		For >10 To 25, Deduct	*-170.73*	
		For >25, Deduct	*-256.10*	
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	2,048.76	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-512.19*	
		For >4 To 10, Deduct	*-122.93*	
		For >10 To 25, Deduct	*-256.10*	
		For >25, Deduct	*-384.14*	
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	2,731.69	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-682.92*	
		For >4 To 10, Deduct	*-163.90*	
		For >10 To 25, Deduct	*-341.46*	
		For >25, Deduct	*-512.19*	
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal	3,414.61	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-853.65*	
		For >4 To 10, Deduct	*-204.88*	
		For >10 To 25, Deduct	*-426.83*	
		For >25, Deduct	*-640.24*	
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal	4,097.54	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,024.39*	
		For >4 To 10, Deduct	*-245.85*	
		For >10 To 25, Deduct	*-512.19*	
		For >25, Deduct	*-768.29*	
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal	5,463.38	
		Note: Includes cutting up tree, chipping and loading.		
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,365.85*	
		For >4 To 10, Deduct	*-327.80*	
		For >10 To 25, Deduct	*-682.92*	
		For >25, Deduct	*-1,024.38*	
31 13 13 00-0010		Stump Removal *(31 13 13)*		
		Note: Measured by diameter of stump.		
31 13 13 00-0011		Stump Removal By Machine *(31 13 13 00-0010)*		
31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal	128.28	
		Note: Includes excavation necessary to remove stump and loading.		
		For >10, Deduct	*-19.24*	
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal	245.88	
		Note: Includes excavation necessary to remove stump and loading.		
		For >10, Deduct	*-36.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	320.70	
		For >10, Deduct	*-48.11*	
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	481.07	
		For >10, Deduct	*-72.16*	
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	566.62	
		For >10, Deduct	*-84.99*	
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	667.07	
		For >10, Deduct	*-100.06*	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	791.07	
		For >10, Deduct	*-118.66*	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	930.05	
		For >10, Deduct	*-139.51*	

31 13 13 00-0020 Stump Removal By Hand *(31 13 13 00-0010)*

31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	730.37	
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	912.95	
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,338.99	
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,825.91	
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,434.54	
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,043.18	
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,651.82	
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	4,260.45	

31 13 13 00-0029 Stump Grinding *(31 13 13)*

Note: Measured by diameter of stump.

31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil *(31 13 13 00-0029)*

Note: Level soil to match existing surface area.

31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	132.29	
		For 24" Depth, Add	*26.46*	
		For >10, Deduct	*-16.54*	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree	165.36	
		For 24" Depth, Add	*33.07*	
		For >10, Deduct	*-20.67*	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree	198.42	
		For 24" Depth, Add	*39.68*	
		For >10, Deduct	*-24.80*	
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree	220.47	
		For 24" Depth, Add	*44.09*	
		For >10, Deduct	*-27.56*	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree	237.02	
		For 24" Depth, Add	*47.40*	
		For >10, Deduct	*-29.63*	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree	253.55	
		For 24" Depth, Add	*50.71*	
		For >10, Deduct	*-31.69*	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree	275.60	
		For 24" Depth, Add	*55.12*	
		For >10, Deduct	*-34.45*	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree	300.63	
		For 24" Depth, Add	*60.13*	
		For >10, Deduct	*-37.58*	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree	334.02	
		For 24" Depth, Add	*66.80*	
		For >10, Deduct	*-41.75*	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree	367.43	
		For 24" Depth, Add	*73.49*	
		For >10, Deduct	*-45.93*	
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree	400.83	
		For 24" Depth, Add	*80.17*	
		For >10, Deduct	*-50.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree	445.37	
		For 24" Depth, Add	*89.07*	
		For >10, Deduct	*-55.67*	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree	556.71	
		For 24" Depth, Add	*111.34*	
		For >10, Deduct	*-69.59*	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree	695.89	
		For 24" Depth, Add	*139.18*	
		For >10, Deduct	*-86.99*	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree	890.74	
		For 24" Depth, Add	*178.15*	
		For >10, Deduct	*-111.34*	

31 13 13 00-0046 Shrub Removal *(31 13 13)*

31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	52.24	
		For >4 To 10, Deduct	*-3.13*	
		For >10 To 25, Deduct	*-6.53*	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	81.92	
		For >4 To 10, Deduct	*-4.92*	
		For >10 To 25, Deduct	*-10.24*	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	94.97	
		For >4 To 10, Deduct	*-5.70*	
		For >10 To 25, Deduct	*-11.87*	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	142.47	
		For >4 To 10, Deduct	*-8.55*	
		For >10 To 25, Deduct	*-17.81*	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	26.11	
		For >4 To 10, Deduct	*-1.57*	
		For >10 To 25, Deduct	*-3.26*	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	40.37	
		For >4 To 10, Deduct	*-2.42*	
		For >10 To 25, Deduct	*-5.05*	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	52.24	
		For >4 To 10, Deduct	*-3.13*	
		For >10 To 25, Deduct	*-6.53*	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	56.99	
		For >4 To 10, Deduct	*-3.42*	
		For >10 To 25, Deduct	*-7.12*	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	52.24	
		For >4 To 10, Deduct	*-3.13*	
		For >10 To 25, Deduct	*-6.53*	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	56.99	
		For >4 To 10, Deduct	*-3.42*	
		For >10 To 25, Deduct	*-7.12*	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	81.92	
		For >4 To 10, Deduct	*-4.92*	
		For >10 To 25, Deduct	*-10.24*	
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	142.46	
		For >4 To 10, Deduct	*-8.55*	
		For >10 To 25, Deduct	*-17.81*	

31 13 13 00-0059 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	546.34	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-136.59*	
		For >4 To 10, Deduct	*-32.78*	
		For >10 To 25, Deduct	*-68.29*	
		For >25, Deduct	*-102.44*	
31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	819.51	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-204.88*	
		For >4 To 10, Deduct	*-49.17*	
		For >10 To 25, Deduct	*-102.44*	
		For >25, Deduct	*-153.66*	
31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,092.67	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-273.17*	
		For >4 To 10, Deduct	*-65.56*	
		For >10 To 25, Deduct	*-136.58*	
		For >25, Deduct	*-204.88*	
31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,639.02	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-409.76*	
		For >4 To 10, Deduct	*-98.34*	
		For >10 To 25, Deduct	*-204.88*	
		For >25, Deduct	*-307.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,185.35	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-546.34*	
		For >4 To 10, Deduct	*-131.12*	
		For >10 To 25, Deduct	*-273.17*	
		For >25, Deduct	*-409.75*	
31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,731.69	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-682.92*	
		For >4 To 10, Deduct	*-163.90*	
		For >10 To 25, Deduct	*-341.46*	
		For >25, Deduct	*-512.19*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.19
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.29
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.88

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Minimum Charge For Trim Tree Branch Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	801.35
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	20.04
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	22.54
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	27.55
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	25.04
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	28.18
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	34.43

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading *(31 20)*

31 22 13 Rough Grading *(31 22)*

See CSI section 31 23 16 00-0000 for rough grading.

31 22 16 Fine Grading *(31 22)*

31 22 16 13 Roadway Subgrade Reshaping *(31 22 16)*

See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*

Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.19
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.09
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.13
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.95

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 22 19 13-0008		Machine Operations With Grader *(31 22 19 13-0007)*		
31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	475.52	
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	660.44	

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001		Excavation For Trenching By Machine *(31 23 16 13)*		
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	12.53	
		For Excavation In Light Material (Class A), Deduct	*-1.57*	
		For Excavation In Heavy/Wet Material (Class C), Add	*5.01*	
		For Up To 20, Add	*12.53*	
		For >20 To 50, Add	*9.40*	
		For >50 To 250, Add	*5.01*	
		For >250 To 500, Add	*1.88*	
		For >1,000, Deduct	*-1.88*	
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	8.14	
		For Excavation In Light Material (Class A), Deduct	*-1.02*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.26*	
		For Up To 20, Add	*8.14*	
		For >20 To 50, Add	*6.11*	
		For >50 To 250, Add	*3.26*	
		For >250 To 500, Add	*1.22*	
		For >1,000, Deduct	*-1.22*	
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	20.75	
		Note: Includes compacted aggregate		
		For Up To 20, Add	*20.75*	
		For >20 To 50, Add	*15.56*	
		For >50 To 250, Add	*8.30*	
		For >250 To 500, Add	*3.11*	
		For >1,000, Deduct	*-3.11*	
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock	14.47	
		Note: Includes compacted aggregate		
		For Up To 20, Add	*14.47*	
		For >20 To 50, Add	*10.85*	
		For >50 To 250, Add	*5.79*	
		For >250 To 500, Add	*2.17*	
		For >1,000, Deduct	*-2.17*	
31 23 16 13-0006		Excavation For Trenching By Hand *(31 23 16 13)*		
31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil	143.84	
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate	246.74	
		Note: Includes stockpiling excess materials and trimming sides and bottom of trench.		
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor	1.12	
		Note: For use with machine excavation.		
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor	1.29	
		Note: For use with machine excavation.		
31 23 16 13-0011		Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*		
		Note: With imported or stockpiled materials.		
31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.62	
		For Up To 20, Add	*4.62*	
		For >20 To 50, Add	*3.47*	
		For >50 To 250, Add	*1.85*	
		For >250 To 500, Add	*0.69*	
		For >1,000, Deduct	*-0.69*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	39.96	
31 23 16 13-0014		Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*		
		Note: Includes restoration of final grade.		
31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, etc.	8.35	
		For Up To 20, Add	*8.35*	
		For >20 To 50, Add	*6.26*	
		For >50 To 250, Add	*3.34*	
		For >250 To 500, Add	*1.25*	
		For >1,000, Deduct	*-1.25*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	45.08	
31 23 16 13-0017		Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*		
		Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	8.02	
		For Up To 20, Add	*8.02*	
		For >20 To 50, Add	*6.02*	
		For >50 To 250, Add	*3.21*	
		For >250 To 500, Add	*1.20*	
		For >1,000, Deduct	*-1.20*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	105.48	

31 23 16 13-0020 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for cleanup.

31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	3.82	
		For Up To 20, Add	*3.82*	
		For >20 To 50, Add	*2.87*	
		For >50 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.57*	
		For >1,000, Deduct	*-0.57*	

31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.83	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	3.12	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.44	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	5.01	

31 23 16 13-0027 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0028 Utility Trench, Chain Trencher *(31 23 16 13-0027)*

Note: Earth left adjacent to trench.

31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.56	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.47*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.71	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.51*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.77	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.53*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.86	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.28*	
		For >500, Deduct	*-0.56*	
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	2.05	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.31*	
		For >500, Deduct	*-0.62*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.33	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.35*	
		For >500, Deduct	*-0.70*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.80	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.84*	
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.64	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.79*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	3.11	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.93*	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.53	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-1.06*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	4.19	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.63*	
		For >500, Deduct	*-1.26*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.25	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.04*	
		For >500, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.37	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.50	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.37	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.50	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.76	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.23*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.08	
		For >100 To 250, Deduct	*-0.08*	
		For >250 To 500, Deduct	*-0.16*	
		For >500, Deduct	*-0.32*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.50	
		For >100 To 250, Deduct	*-0.04*	
		For >250 To 500, Deduct	*-0.08*	
		For >500, Deduct	*-0.15*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.76	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.23*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	1.01	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.30*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.51	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.45*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.89
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	12.25
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	14.52
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	16.34
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	17.82
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	19.61
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	21.79
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	24.51
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	28.01
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	32.68
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	39.22
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	49.02

31 23 16 16-0015 Drilling Post Hole In Rock *(31 23 16 16-0001)*

31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	81.05
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	23.60

31 23 16 16-0018 Post Hole Fill *(31 23 16 16-0001)*

31 23 16 16-0019 Concrete Fill *(31 23 16 16-0018)*

31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	6.29
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	8.10
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	8.90
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	10.21
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	14.39
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	19.22
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	23.50
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	27.39
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	37.27
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	46.20
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	54.89
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	63.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 16-0032 Grout Fill *(31 23 16 16-0018)*

31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.47	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.63	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.48	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.76	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.42	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	21.92	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	26.70	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	30.99	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.38	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	50.52	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	59.35	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	68.40	

31 23 16 16-0045 Earth Fill, Compacted *(31 23 16 16-0018)*

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.33	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.95	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.26	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.47	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	9.99	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	13.32	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	15.98	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	18.12	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	22.08	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	24.78	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	27.17	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	29.31	

31 23 16 26 Rock Removal *(31 23 16)*

31 23 16 26-0001 Rock Breaking By Machine *(31 23 16 26)*

Note: Excludes excavation of broken-up rock.

31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	32.25	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	34.39	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	40.84	

31 23 16 33 Bulk Excavation *(31 23 16)*

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.

31 23 16 33-0001 Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.96	
		For Excavation In Light Material (Class A), Deduct		*-1.50*
		For Excavation In Heavy/Wet Material (Class C), Add		*4.78*
		For >1,000, Deduct		*-1.79*
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.57	
		For Excavation In Light Material (Class A), Deduct		*-0.82*
		For Excavation In Heavy/Wet Material (Class C), Add		*2.63*
		For >1,000, Deduct		*-0.99*
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	14.72	
		For >1,000, Deduct		*-2.21*
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	8.09	
		For >1,000, Deduct		*-1.21*

31 23 16 33-0006 Spreading, Shaping And Rough Grading *(31 23 16 33)*

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	7.38	
		For >1,000, Deduct		*-1.11*

31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	8.21	
		For >1,000, Deduct		*-1.23*

31 23 16 33-0010 Relocating On Site Excavated Material From Excavation *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.56	
		For >1,000, Deduct		*-0.98*
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.84	
		For >1,000, Deduct		*-1.48*
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	14.76	
		For >1,000, Deduct		*-2.21*
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	19.69	
		For >1,000, Deduct		*-2.95*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 33-0015 Finish Grading For Bulk Excavation *(31 23 16 33)*

31 23 16 33-0016 SY Finish Grading for Bulk Excavation 0.82

31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)*

Note: For bulk excavation.

31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine 0.83
Note: Per Lift

31 23 16 33-0019 Loading Excess Material For Removal From Excavation *(31 23 16 33)*

Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation 6.76
For >1,000, Deduct *-1.01*

31 23 16 36 Excavation for Building Foundations and Other Structures *(31 23 16)*

Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.

31 23 16 36-0001 Excavation *(31 23 16 36)*

Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.

31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*

31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil 10.70
For Excavation In Light Material (Class A), Deduct *-1.34*
For Excavation In Heavy/Wet Material (Class C), Add *4.28*
For Up To 20, Add *10.70*
For >20 To 50, Add *8.03*
For >50 To 250, Add *4.28*
For >250 To 500, Add *1.61*

31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock 13.28
Note: Includes compacted aggregate
For Up To 20, Add *13.28*
For >20 To 50, Add *9.96*
For >50 To 250, Add *5.31*
For >250 To 500, Add *1.99*

31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*

31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil 7.90
For Excavation In Light Material (Class A), Deduct *-0.99*
For Excavation In Heavy/Wet Material (Class C), Add *3.16*
For Up To 20, Add *7.90*
For >20 To 50, Add *5.93*
For >50 To 250, Add *3.16*
For >250 To 500, Add *1.19*

31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock 9.40
Note: Includes compacted aggregate
For Up To 20, Add *9.40*
For >20 To 50, Add *7.05*
For >50 To 250, Add *3.76*
For >250 To 500, Add *1.41*

31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)*

Note: For areas not accessible by machine and only with owner's approval.

31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil 143.84
For Excavation In Light Material (Class A), Deduct *-17.98*
For Excavation In Heavy/Wet Material (Class C), Add *57.54*

31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock 246.74
Note: Includes compacted aggregate

31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0012 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' 6.56
For Up To 20, Add *6.56*
For >20 To 50, Add *4.92*
For >50 To 250, Add *2.62*
For >250 To 500, Add *0.98*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.84	
		For Up To 20, Add	*9.84*	
		For >20 To 50, Add	*7.38*	
		For >50 To 250, Add	*3.94*	
		For >250 To 500, Add	*1.48*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	14.76	
		For Up To 20, Add	*14.76*	
		For >20 To 50, Add	*11.07*	
		For >50 To 250, Add	*5.90*	
		For >250 To 500, Add	*2.21*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	19.69	
		For Up To 20, Add	*19.69*	
		For >20 To 50, Add	*14.77*	
		For >50 To 250, Add	*7.88*	
		For >250 To 500, Add	*2.95*	

31 23 16 36-0016 Backfilling *(31 23 16 36)*

Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.

31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.27	
		For Up To 20, Add	*5.27*	
		For >20 To 50, Add	*3.95*	
		For >50 To 250, Add	*2.11*	
		For >250 To 500, Add	*0.79*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	6.12	
		For Up To 20, Add	*6.12*	
		For >20 To 50, Add	*4.59*	
		For >50 To 250, Add	*2.45*	
		For >250 To 500, Add	*0.92*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	68.50	

31 23 16 36-0020 Compaction Of Fill Or Subbase *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	13.22	
		For Up To 20, Add	*13.22*	
		For >20 To 50, Add	*9.92*	
		For >50 To 250, Add	*5.29*	
		For >250 To 500, Add	*1.98*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	45.07	

31 23 16 36-0023 Grading For Building Foundations And Other Structures *(31 23 16 36)*

31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.42	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.28	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	13.32	

31 23 16 36-0027 Loading Excess Material For Removal From Excavation *(31 23 16 36)*

Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 36-0028	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	7.03	
		For Up To 20, Add	*7.03*	
		For >20 To 50, Add	*5.27*	
		For >50 To 250, Add	*2.81*	
		For >250 To 500, Add	*1.05*	
31 23 16 36-0029	CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	105.48	

31 23 16 36-0030 Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)*

Note: For building foundations and other structures.

31 23 16 36-0031	CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.82	
		For Up To 20, Add	*3.82*	
		For >20 To 50, Add	*2.87*	
		For >50 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.57*	
31 23 16 36-0032	CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	58.20	

31 23 16 46 Excavation Operations to Expose Underground Pipes and Structures *(31 23 16)*

Note: Includes work above, beside and under pipe. Pipes up to 82" in diameter. Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine. See CSI section 31 23 16 13-0017 for loading excess material, 31 23 16 13-0020 for spreading excess material.

31 23 16 46-0001 Excavation To Expose Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes stockpiling excess materials and trimming sides and bottom of trench. Excludes rock breaking.

31 23 16 46-0002 Excavation By Machine To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 46-0003	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Soil/Common Excavation To Expose Underground Pipes And Structures	15.79	
		For Excavation In Light Material (Class A), Deduct	*-1.97*	
		For Excavation In Heavy/Wet Material (Class C), Add	*6.32*	
		For Up To 20, Add	*15.79*	
		For >20 To 50, Add	*11.84*	
		For >50 To 250, Add	*6.32*	
		For >250 To 500, Add	*2.37*	
31 23 16 46-0004	CY	Excavation By Hydraulic Excavator, Backhoe, Loader in Loose Rock To Expose Underground Pipes And Structures	18.74	
		For Up To 20, Add	*18.74*	
		For >20 To 50, Add	*14.06*	
		For >50 To 250, Add	*7.50*	
		For >250 To 500, Add	*2.81*	

31 23 16 46-0005 Excavation By Hand To Expose Underground Pipe Or Structure *(31 23 16 46-0001)*

31 23 16 46-0006	CY	Excavation By Hand In Soil To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	179.80	
31 23 16 46-0007	CY	Excavation By Hand In Loose Rock To Expose Underground Pipes And Structures Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	268.51	

31 23 16 46-0008 Backfilling Or Placing Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0009	CY	Backfilling By Hydraulic Excavator, Backhoe, Loader At Exposed Underground Pipes And Structures	11.84	
		For >20 To 50, Add	*8.88*	
		For >50 To 250, Add	*4.74*	
		For >250 To 500, Add	*1.78*	
31 23 16 46-0010	CY	Backfilling by Hand At Exposed Underground Pipes And Structures	81.51	

31 23 16 46-0011 Compaction Of Fill Or Subbase At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: With imported or stockpiled materials

31 23 16 46-0012	CY	Compaction of Fill or Subbase by Mechanical Means At Exposed Underground Pipe Or Structures	16.67	
		For Up To 20, Add	*16.67*	
		For >20 To 50, Add	*12.50*	
		For >50 To 250, Add	*6.67*	
		For >250 To 500, Add	*2.50*	
31 23 16 46-0013	CY	Compaction of Fill or Subbase by Hand At Exposed Underground Pipe Or Structures	54.09	

31 23 16 46-0014 Loading Excess Material For Removal From Excavation At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0039 for hauling.

31 23 16 46-0015	CY	Load Excess Material by Machine for Removal from Excavation At Exposed Underground Pipe Or Structures	8.02	
		For Up To 20, Add	*8.02*	
		For >20 To 50, Add	*6.02*	
		For >50 To 250, Add	*3.21*	
		For >250 To 500, Add	*1.20*	
		For >1,000, Deduct	*-1.20*	
31 23 16 46-0016	CY	Load Excess Material by Hand for Removal from Excavation At Exposed Underground Pipe Or Structures	105.48	

31 23 16 46-0017 Spread Excess Or Imported Material And Grade At Exposed Underground Pipe Or Structures *(31 23 16 46)*

Note: Includes hand work by laborer for cleanup.

31 23 16 46-0018	CY	Spread Excess Or Imported Material And Grade On Site By Machine At Exposed Underground Pipe Or Structures	3.82	
		For Up To 20, Add	*3.82*	
		For >20 To 50, Add	*2.87*	
		For >50 To 250, Add	*1.53*	
		For >250 To 500, Add	*0.57*	
		For >1,000, Deduct	*-0.57*	
31 23 16 46-0019	CY	Spread Excess Or Imported Material And Grade On Site By Hand At Exposed Underground Pipe Or Structures	58.20	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001 Well Point Dewatering System *(31 23 19)*

31 23 19 00-0002 Delivery, Installation And Removal Cost *(31 23 19 00-0001)*

Note: Priced by linear foot of header used.

31 23 19 00-0003	LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	148.40	
31 23 19 00-0004	LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	81.62	
31 23 19 00-0005	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	74.20	
31 23 19 00-0006	LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	66.78	
31 23 19 00-0007	LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	59.36	
31 23 19 00-0008	LF	>1,000' In Length Well Point System Delivery, Installation And Removal	51.94	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0009		**Well Point Dewatering System Rental** *(31 23 19 00-0001)* Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.35	
		For >5 Days And <1 Month, Deduct	*-0.52*	
		For >1 Month, Deduct	*-0.66*	
31 23 19 00-0011	LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.37	
		For >5 Days And <1 Month, Deduct	*-0.30*	
		For >1 Month, Deduct	*-0.38*	
31 23 19 00-0012	LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.98	
		For >5 Days And <1 Month, Deduct	*-0.22*	
		For >1 Month, Deduct	*-0.27*	
31 23 19 00-0013	LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.72	
		For >5 Days And <1 Month, Deduct	*-0.16*	
		For >1 Month, Deduct	*-0.20*	
31 23 19 00-0014	LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.65	
		For >5 Days And <1 Month, Deduct	*-0.14*	
		For >1 Month, Deduct	*-0.18*	
31 23 19 00-0015		**Well Point Dewatering System Operation Costs** *(31 23 19 00-0001)* Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR	Operation Costs	131.46	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001		**Compaction Water, Water Truck And Operator** *(31 23 23 23)*		
31 23 23 23-0002	MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	311.45	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001		**Flowable Fill (Fly Ash) Cement Backfill For Trenches** *(31 23 23 33)* Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	149.91	
		For Up To 20, Add	*62.23*	
		For >20 To 50, Add	*40.34*	
		For >50 To 250, Add	*20.17*	
		For >500 To 1,000, Deduct	*-10.95*	
		For >1,000, Deduct	*-21.89*	

31 23 23 43 Geofoam *(31 23 23)*

31 23 23 43-0001		**Expanded Polystyrene (EPS) Geofoam Earthwork Void Fill** *(31 23 23 43)* Note: Excludes earthwork or backfill.		
31 23 23 43-0002	CY	1.15 To 1.25 Lb./CF Density, Expanded Polystyrene (EPS19) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	163.56	
		For Cutting To Shape, Add	*9.42*	
31 23 23 43-0003	CY	1.35 To 1.50 Lb./CF Density, Expanded Polystyrene (EPS22) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	185.77	
		For Cutting To Shape, Add	*11.30*	
31 23 23 43-0004	CY	1.80 To 2.00 Lb./CF Density, Expanded Polystyrene (EPS29) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	258.73	
		For Cutting To Shape, Add	*15.07*	
31 23 23 43-0005	CY	2.40 To 2.50 Lb./CF Density, Expanded Polystyrene (EPS39) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	312.96	
		For Cutting To Shape, Add	*18.84*	
31 23 23 43-0006	CY	2.75 To 2.85 Lb./CF Density, Expanded Polystyrene (EPS46) Geofoam Earthwork Void Fill Note: 3' x 4' x 8' length geofoam blocks	363.87	
		For Cutting To Shape, Add	*21.48*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001		**Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** *(31 24 13)* Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 24 13 00-0002 Cutting, Shaping And Rough Grading *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	8.21	
		For Up To 20, Add	*8.21*	
		For >20 To 50, Add	*6.16*	
		For >50 To 250, Add	*3.28*	
		For >250 To 500, Add	*1.23*	
		For >1,000, Deduct	*-1.23*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	10.17	
		For Up To 20, Add	*10.17*	
		For >20 To 50, Add	*7.63*	
		For >50 To 250, Add	*4.07*	
		For >250 To 500, Add	*1.53*	
		For >1,000, Deduct	*-1.53*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.37	
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.59	

31 24 13 00-0009 Cutting, Shaping, And Rough Grading Drainage Ditch By Machine *(31 24 13 00-0002)*

31 24 13 00-0010	CY	Cut, Shape, and Rough Grading for Drainage Ditches by Machine in Soil	9.84	
		For Up To 20, Add	*9.84*	
		For >20 To 50, Add	*7.38*	
		For >50 To 250, Add	*3.94*	
		For >250 To 500, Add	*1.48*	
		For >1,000, Deduct	*-1.48*	

31 24 13 00-0011 Scarify Soil *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0012	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.60	
		For Up To 20, Add	*3.80*	
		For >20 To 50, Add	*1.90*	
		For >250 To 500, Deduct	*-0.76*	
		For >500, Deduct	*-1.52*	

31 24 13 00-0013 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0014	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	14.76	
		For Up To 20, Add	*14.76*	
		For >20 To 50, Add	*11.07*	
		For >50 To 250, Add	*5.90*	
		For >250 To 500, Add	*2.21*	
		For >1,000, Deduct	*-2.21*	
31 24 13 00-0015	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	19.69	
		For Up To 20, Add	*19.69*	
		For >20 To 50, Add	*14.77*	
		For >50 To 250, Add	*7.88*	
		For >250 To 500, Add	*2.95*	
		For >1,000, Deduct	*-2.95*	

31 24 13 00-0016 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0017	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	9.02	
		For Up To 20, Add	*9.02*	
		For >20 To 50, Add	*6.77*	
		For >50 To 250, Add	*3.61*	
		For >250 To 500, Add	*1.35*	
		For >1,000, Deduct	*-1.35*	

31 24 13 00-0018 Grading *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0019	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.91	
31 24 13 00-0020	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.20	
31 24 13 00-0021	LF	Finish Grade For Curb	1.35	
31 24 13 00-0022	LF	Finish Grade For Curb And Gutter	1.65	

31 24 13 00-0023 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0024	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift		0.83	
		For Up To 250, Add		*0.83*	
		For >250 To 500, Add		*0.62*	
		For >500 To 1,000, Add		*0.33*	
		For >5,000, Deduct		*-0.12*	

31 24 13 00-0025 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*
Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.

31 24 13 00-0026	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine		6.76	
		For Up To 20, Add		*6.76*	
		For >20 To 50, Add		*5.07*	
		For >50 To 250, Add		*2.70*	
		For >250 To 500, Add		*1.01*	
		For >1,000, Deduct		*-1.01*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied		67.49	
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied		61.89	
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied		57.15	
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied		54.45	

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		3.63	
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		4.72	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior		3.43	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.		3.63	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting		3.20	

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		4.69	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		6.41	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.		3.88	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.		4.07	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.		4.35	

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*
Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.		15.44	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		14.20	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled		19.54	

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave		4.88	

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		12.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	17.23	

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	7.21	3.03
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.33*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	9.30	3.77
		For >2,500 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.68*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	11.74	4.50
		For >2,500 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-2.08*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	14.44	5.63
		For >2,500 To 5,000, Deduct	*-1.13*	
		For >5,000, Deduct	*-2.57*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	17.58	6.75
		For >2,500 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-3.11*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	20.50	7.68
		For >2,500 To 5,000, Deduct	*-1.53*	
		For >5,000, Deduct	*-3.58*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	167.83	54.21
		For >2,500 To 5,000, Deduct	*-10.18*	
		For >5,000, Deduct	*-26.96*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	216.23	59.63
		For >2,500 To 5,000, Deduct	*-11.19*	
		For >5,000, Deduct	*-32.82*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.67	2.02
		For >2,500 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-1.07*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	12.04	3.03
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.81*	

31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.53	
		For Type 1, Deduct	*-4.55*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.77*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.36*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	32.00	
		For Type 1, Deduct	*-5.00*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.05*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.70*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.42	
		For Type 1, Deduct	*-5.67*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.45*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.19*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	38.32	
		For Type 1, Deduct	*-6.21*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.78*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.59*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	40.21	
		For Type 1, Deduct	*-6.52*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.97*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.82*	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	42.12	
		For Type 1, Deduct	*-6.82*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.15*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.04*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.32	
		For Type 1, Deduct	*-7.19*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.37*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.31*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	47.34	
		For Type 1, Deduct	*-7.73*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.71*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.71*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	49.75	
		For Type 1, Deduct	*-8.13*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.95*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.97	
		For Type 1, Deduct	*-8.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.30*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.43*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	55.97	
		For Type 1, Deduct	*-9.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.81*	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	58.88	
		For Type 1, Deduct	*-9.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.91*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.17*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	64.06	
		For Type 1, Deduct	*-10.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.51*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.91*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	67.17	
		For Type 1, Deduct	*-11.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.83*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.29*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	70.21	
		For Type 1, Deduct	*-11.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.12*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.65*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	73.41	
		For Type 1, Deduct	*-12.22*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.44*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*9.03*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	76.53	
		For Type 1, Deduct	*-12.70*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.73*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*9.39*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	790.04
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,082.65
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,376.51
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,799.75

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	264.29
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	382.41
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	439.68

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	274.78
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	380.42

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.38
		For Up To 500, Add	*9.70*
		For >500 To 1,000, Add	*5.47*
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	48.16
		For Up To 500, Add	*10.97*
		For >500 To 1,000, Add	*6.16*
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	54.83
		For Up To 500, Add	*12.44*
		For >500 To 1,000, Add	*6.96*
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	61.70
		For Up To 500, Add	*13.98*
		For >500 To 1,000, Add	*7.81*
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	45.06
		For Up To 500, Add	*10.24*
		For >500 To 1,000, Add	*5.73*
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	51.37
		For Up To 500, Add	*11.61*
		For >500 To 1,000, Add	*6.48*
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	58.63
		For Up To 500, Add	*13.20*
		For >500 To 1,000, Add	*7.34*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	66.04	
		For Up To 500, Add	*14.85*	
		For >500 To 1,000, Add	*8.24*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*
Note: Includes stakes and embedding.

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*
See CSI section 31 25 14 26-0016 for removal of silt fence.

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	5.24
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	4.04
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	2.83
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.40

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*
See CSI section 31 25 14 26-0016 for removal of silt fence.

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	6.20	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.80	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.34	
		For Wire Backed Fence, Add	*0.55*	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.72	
		For Wire Backed Fence, Add	*0.55*	

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	4.08

31 25 14 26-0014 Super Silt Fences, 41" Total Height, 8" Below Ground *(31 25 14 26-0001)*

31 25 14 26-0015	LF	41" Total Height Super Silt Fence, 8" Below Ground, Galvanized Chain Link, With 2-1/2" Posts, 10' On Center With Geotextile Fabric Attached	13.19

31 25 14 26-0016 Silt Fences Removal *(31 25 14 26-0001)*

31 25 14 26-0017	LF	Removal Of Silt Fence And Stakes	0.96

31 25 14 26-0018 Hay And Straw Bales *(31 25 14 26)*
Note: Includes trench for placement, and stakes.

31 25 14 26-0019	LF	Place Sterilized Straw Bales Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0021 for removal of straw bale.	5.40
31 25 14 26-0020	LF	Place Hay Bales Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0021 for removal of hay bale.	5.00
31 25 14 26-0021	LF	Removal Of Hay Or Straw Bales Note: Includes removal of stakes.	1.72

31 25 14 26-0022 Sediment Logs (Degradable) *(31 25 14 26)*

31 25 14 26-0023 Sediment Logs (Degradable) *(31 25 14 26-0022)*
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0024	LF	9" Sediment Fiber Roll Log	6.04
31 25 14 26-0025	LF	12" Sediment Fiber Roll Log	6.94
31 25 14 26-0026	LF	20" Sediment Fiber Roll Log	10.36

31 25 14 26-0027 Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0022)*
Note: Includes trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	121.40
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	126.12
31 25 14 26-0030	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	130.27
31 25 14 26-0031	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	130.74

31 25 14 26-0032 Fiber Roll (CALTRANS Type 1) *(31 25 14 26)*
Note: Includes furrow trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0033	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.63	
		For >1,000 To 10,000, Deduct		*-0.83*
		For >10,000, Deduct		*-1.40*
31 25 14 26-0034	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.87	
		For >1,000 To 10,000, Deduct		*-0.84*
		For >10,000, Deduct		*-1.42*
31 25 14 26-0035	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	8.77	
		For >1,000 To 10,000, Deduct		*-1.01*
		For >10,000, Deduct		*-1.70*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0036		Fiber Roll (CALTRANS Type 2) *(31 25 14 26)* Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0037	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.18	
		For >1,000 To 10,000, Deduct	*-0.61*	
		For >10,000, Deduct	*-1.03*	
31 25 14 26-0038	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.61	
		For >1,000 To 10,000, Deduct	*-0.65*	
		For >10,000, Deduct	*-1.10*	
31 25 14 26-0039	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.84	
		For >1,000 To 10,000, Deduct	*-0.72*	
		For >10,000, Deduct	*-1.21*	
31 25 14 26-0040		Inlet Protection Sediment Bags *(31 25 14 26)* Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0041	EA	2' x 2' x 3' Inlet Protection Sediment Bag	67.13	
31 25 14 26-0042	EA	2' x 3' x 3' Inlet Protection Sediment Bag	77.87	
31 25 14 26-0043	EA	2' x 4' x 3' Inlet Protection Sediment Bag	85.43	
31 25 14 26-0044		Flexible Foam Core Sediment Barrier, Triangular Silt Dike *(31 25 14 26)* Note: Includes aprons on either side, stakes and removal after use.		
31 25 14 26-0045	EA	10" x 7', Flexible Sediment Foam Barrier, Triangular Silt Dike	151.29	
31 25 14 26-0046		Clean Sediment Logs/Wattles *(31 25 14 26)* Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0047	EA	Clean Sediment Logs/Wattles	95.90	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001		Commercial Use *(31 31 16 13)*		
31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	1.06	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.49	
31 31 16 13-0004		Residential Use *(31 31 16 13)*		
31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.54	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.69	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001		Soil Sterilants *(31 31 19 13)*		
31 31 19 13-0002	MSF	Soil Sterilant Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.	34.87	
		For >45 To 90, Deduct	*-0.52*	
		For >90 To 225, Deduct	*-2.78*	
		For >225, Deduct	*-3.81*	

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001		Cementitious Soil Binder *(31 32 13 16)*		
31 32 13 16-0002	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	42.61	
31 32 13 16-0003	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	48.51	
31 32 13 16-0004	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.22	
31 32 13 16-0005	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	67.79	

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 32 13 19-0001		Lime Slurry *(31 32 13 19)*		
31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	38.73	
31 32 13 19-0003	TON	Cement Stabilized Base Material	115.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 19-0004	CWT	Lime For Soil Stabilization Note: Excludes the cost for spreading or backfilling	18.15	
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	21.16	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.83	

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 Lbs./CF using lime weight of 5.5 Lbs./CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	12.30	
		For 4% Lime Instead Of 5%, Deduct	*-0.32*	
		For 6% Lime Instead Of 5%, Add	*0.32*	
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	14.28	
		For 4% Lime Instead Of 5%, Deduct	*-0.37*	
		For 6% Lime Instead Of 5%, Add	*0.37*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	16.29	
		For 4% Lime Instead Of 5%, Deduct	*-0.42*	
		For 6% Lime Instead Of 5%, Add	*0.42*	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.83	

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.44	
		For Up To 50, Add	*1.21*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.21	
		For Up To 50, Add	*1.37*	
		For >50 To 150, Add	*1.01*	
		For >150 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.33*	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.78	
		For Up To 50, Add	*1.49*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.76	
		For Up To 50, Add	*2.09*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.51*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.17	
		For Up To 50, Add	*2.38*	
		For >50 To 150, Add	*1.77*	
		For >150 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.58*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.53	
		For Up To 50, Add	*1.22*	
		For >50 To 150, Add	*0.91*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.30*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.15	
		For Up To 50, Add	*1.75*	
		For >50 To 150, Add	*1.30*	
		For >150 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.43*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.69	
		For Up To 50, Add	*0.38*	
		For >50 To 150, Add	*0.28*	
		For >150 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.81	
		For Up To 50, Add	*0.41*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.94	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.24	
		For Up To 50, Add	*0.71*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	4.00	
		For Up To 50, Add	*0.86*	
		For >50 To 150, Add	*0.64*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric	7.22	
		For Up To 50, Add	*1.50*	
		For >50 To 150, Add	*1.12*	
		For >150 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.37*	

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0012	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.45	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0013	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.08	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.93	
		For Up To 50, Add	*1.24*	
		For >50 To 150, Add	*0.93*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0016	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.18	
		For Up To 50, Add	*1.09*	
		For >50 To 150, Add	*0.82*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0017	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.54	
		For Up To 50, Add	*1.17*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.08	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0019	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.10	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.51*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.53
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.77
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.13
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.56
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.93
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.21
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.48
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.85
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.21

31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.20
31 32 19 16-0033	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.57
31 32 19 16-0034	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.84
31 32 19 16-0035	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	3.04
31 32 19 16-0036	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.35
31 32 19 16-0037	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.90
31 32 19 16-0038	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	3.45
31 32 19 16-0039	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	6.25
31 32 19 16-0040	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	6.48

31 32 19 23 Geotextile Layer Separation *(31 32 19)*

31 32 19 23-0001 Polyethylene Plastic Sheeting Barrier *(31 32 19 23)*

Note: Includes stakes.

31 32 19 23-0002	SY	4 Mil Polyethylene Plastic Sheeting Barrier	0.79
31 32 19 23-0003	SY	6 Mil Polyethylene Plastic Sheeting Barrier	0.89
31 32 19 23-0004	SY	8 Mil Polyethylene Plastic Sheeting Barrier	1.44

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.99
		For >20,000, Deduct	*-0.19*
		For >2:1 Slope, Add	*1.37*
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.71
		For >20,000, Deduct	*-0.28*
		For >2:1 Slope, Add	*1.37*
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.76
		For >20,000, Deduct	*-0.38*
		For >2:1 Slope, Add	*1.37*

31 32 36 Soil Nailing *(31 32)*

31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0002		**BioWall®** *(31 32 36 11-0001)* Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0003	SF	BioWall® Construction	25.00	
31 32 36 11-0004		**Green Terra Mesh** *(31 32 36 11-0001)* Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0005	EA	Green Terra Mesh	635.25	
31 32 36 11-0006		**GeoSynthetically Confined Soil™ (GCS®) Components** *(31 32 36 11-0001)* Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb./ft. (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr. (10 miles/hr.). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front o See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction Note: Installation sold per square face foot (excludes materials)	23.75	
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50	
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50	
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75	
31 32 36 11-0011		**Turf** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0012		**Permanent Turf Reinforcing Mat (TRM)** *(31 32 36 11-0011)* Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxial oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.		
31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.50	
31 32 36 11-0014		**Biodegradable Turf Reinforcing Mat (TRM)** *(31 32 36 11-0011)* Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.		
31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.75	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0016 **Shotcrete or Gunite** *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0017 **Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™** *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018	SFI	Wet-Mix Reinforced Shotcrete Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).			5.50

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

31 32 36 11-0020	SFI	Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).		8.50	

31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

31 32 36 11-0022	SFI	Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area		1.25	

31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 11-0025	SF	High Capacity Diamond Mesh Note: sold per square face foot		11.00	
31 32 36 11-0026	SF	Double Twist Wire Mesh Note: sold per square face foot		13.75	

31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

31 32 36 11-0028	EA	8x8 Galvanized Steel Plates		35.00	
31 32 36 11-0029	EA	10x10 Galvanized Steel Plates		54.75	
31 32 36 11-0030	EA	12x12 Galvanized Steel Plates		78.75	
31 32 36 11-0031	EA	8x8 Epoxy Coated Steel Plates		76.00	
31 32 36 11-0032	EA	10x10 Epoxy Coated Steel Plates		89.25	
31 32 36 11-0033	EA	12x12 Epoxy Coated Steel Plates		105.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0034		**Drilled Horizontal Drains** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter)	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System	26.75	
31 32 36 11-0039		**Rockfall Stabilization** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF	Scaling	3.75	
31 32 36 11-0041	SF	Trim Blasting	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm)	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet)	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet)	45.00	
31 32 36 11-0048	LF	Limited Access Drilling	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized)	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated)	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized)	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated)	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized)	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated)	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized)	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized)	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized)	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated)	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing	825.00	
31 32 36 11-0062		**Mobilization / Demobilization** *(31 32 36 11-0001)*		
31 32 36 11-0063	EA	Mobilization - In State	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder	9,800.00	
31 32 36 11-0066		**Daily Crew Rates (DCR)** *(31 32 36 11-0001)*		
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation	4,950.00	
31 32 36 11-0072	EA	Spider Excavation	5,500.00	
31 32 36 13		**Driven Soil Nailing** *(31 32 36)*		
31 32 36 13-0001		**Large Diameter Micropiles** *(31 32 36 13)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing)	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing)	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing)	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing)	213.25	
31 32 36 16		**Grouted Soil Nailing** *(31 32 36)*		
31 32 36 16-0001		**Grouting** *(31 32 36 16)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation		52.75	
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification		55.50	
31 32 36 16-0005	CF	Compaction Grout For Void Fill		39.00	

31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - Lbs./CF D 1622 3.0 Lbs./CF 6.0 Lbs./CF Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling		11.50	

31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length		559.00	
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length		939.25	
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length		1,305.75	
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length		1,735.75	
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length		2,119.75	
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length		2,459.25	
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length		2,879.25	
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length		3,253.50	
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar		129.50	

31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing *(31 32 36)*

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20' Note: perforated GalvaDized™ steel tube up to 20 ft. length.	605.00	
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20' Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	621.50	
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20' Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.	478.50	
31 32 36 26-0005	EA	Temporary Launched Soil Nail Note: bare steel tube up to 20 ft. length.	379.50	
31 32 36 26-0006	EA	Fiberglass SuperDrain™ Note: perforated fiberglass tube up to 20 ft. length.	495.00	
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™ Note: perforated GalvaDized™ steel tube up to 20 ft. length.	379.50	

31 32 36 29 Drilled Soil Nailing *(31 32 36)*

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	602.25	
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	693.50	
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	921.50	
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,056.00	
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,171.50	
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,376.50	
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,624.75	
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.	1,872.75	

31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	695.00	
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,020.00	
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,280.00	
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.	1,540.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.64

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	79.75
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	94.20
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	113.80
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	134.37
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	157.76
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	215.97
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	273.03

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0039 for hauling section for greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	86.03
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	100.09
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	106.71
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	114.25
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	120.32
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	130.26
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	149.37
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	56.90
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	65.83
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	70.03
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	74.81
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	78.67
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	85.06
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	100.46
31 37 13 00-0016	TON	Spread Of Rip Rap By Machine Note: Excludes material	17.79
31 37 13 00-0017	TON	Key Rip Rap Note: Excludes material.	133.46
31 37 13 00-0018	CY	Chinking Rip Rap	62.55
31 37 13 00-0019	CY	Grout For Rip Rap	222.79

31 37 16 Non-Machined Riprap *(31 37)*

31 37 16 13 Rubble-Stone Riprap *(31 37 16)*

31 37 16 13-0001 Rock Slope Protection *(31 37 16 13)*

31 37 16 13-0002	TON	1 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	51.65
31 37 16 13-0003	TON	5 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	54.80
31 37 16 13-0004	TON	25 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	56.90
31 37 16 13-0005	TON	75 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	65.83
31 37 16 13-0006	TON	200 Lb. Average Pieces Random, Dumped From Truck, Rock Slope Protection	70.03
31 37 16 13-0007	TON	1/4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	78.67
31 37 16 13-0008	TON	1 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	85.06
31 37 16 13-0009	TON	2 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	92.08
31 37 16 13-0010	TON	4 Ton Average Pieces Random, Dumped From Truck, Rock Slope Protection	102.61

31 40 Shoring and Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0001		**Wood Sheet Piling** *(31 41 13)*		
31 41 13 00-0002		**Pull And Salvage** *(31 41 13 00-0001)* Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.		
31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	15.49	
		For Wood Sheeting Left In Place	*-1.41*	
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	16.75	
		For Wood Sheeting Left In Place	*-1.66*	
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	18.15	
		For Wood Sheeting Left In Place	*-1.93*	
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	19.66	
		For Wood Sheeting Left In Place	*-2.23*	
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	21.30	
		For Wood Sheeting Left In Place	*-2.55*	
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	23.07	
		For Wood Sheeting Left In Place	*-2.92*	
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	25.02	
		For Wood Sheeting Left In Place	*-3.32*	
31 41 16		**Sheet Piling** *(31 41)*		
31 41 16 13		**Steel Sheet Piling** *(31 41 16)*		
31 41 16 13-0001		**Standard Carbon Grade Steel Sheeting - Pull And Salvage** *(31 41 16 13)* Note: Up to 3 months. 38.5 KSI steel per SF minimum. Pounds per square foot (PSF) indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.		
31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	2,462.21	
		For Standard Sheeting Left In Place, Add	*1,242.35*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,193.86*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	2,562.20	
		For Standard Sheeting Left In Place, Add	*1,192.36*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*1,143.86*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	3,027.07	
		For Standard Sheeting Left In Place, Add	*959.92*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*911.43*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	3,474.40	
		For Standard Sheeting Left In Place, Add	*736.26*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*687.76*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	3,737.53	
		For Standard Sheeting Left In Place, Add	*604.69*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*556.20*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 Pounds Per Square Foot (PSF) Steel Sheeting, Pull And Salvage	4,005.93	
		For Standard Sheeting Left In Place, Add	*470.49*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF) Left In Place, Add	*422.00*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*109.12*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*121.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 Pounds Per Square Foot (PSF), Add	*375.87*	
		For Each Additional Month >3 Months, Add	*60.62*	
31 43		**Concrete Raising** *(31 40)*		
31 43 13		**Pressure Grouting** *(31 43)*		
31 43 13 16		**Polyurethane Pressure Grouting** *(31 43 13)*		
31 43 13 16-0001		**PolyLift™ Concrete Injection For Lifting And Leveling** *(31 43 13 16)*		
31 43 13 16-0002	EA	Minimum Charge For Mobilization PolyLift™ Concrete Lifting And Leveling	3,953.35	
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	32.22	
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	27.00	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	19.97	

31 48 Underpinning *(31 40)*

31 48 33 Micropile Underpinning *(31 48)*

31 48 33 00-0001 Augered Micropile And Grout System *(31 48 33)*

31 48 33 00-0002	EA	Micropile Mobilization Per Job	2,881.83	
31 48 33 00-0003	EA	Relocate And Set-up For Micropile Equipment At New Pile Cap Location	720.46	
31 48 33 00-0004	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	397.21	
31 48 33 00-0005	VLF	Auger 8" Diameter Hole, Insert GEWI Micropile And Grout Void - Indoor Note: Includes GEWI piles, thread bar extensions, couplers, spacers, top nut and steel bearing plate.	487.27	
31 48 33 00-0006	EA	Pile Load Test	3,602.29	

31 50 Excavation Support and Protection *(31)*

31 52 Cofferdams *(31 50)*

31 52 21 Portable Cofferdams *(31 52)*

31 52 21 00-0001 Portable Cofferdams *(31 52 21)*

Note: Excludes dewatering and pumps.

31 52 21 00-0002 Portable Cofferdam Rental *(31 52 21 00-0001)*

Note: Excludes delivery and installation.

31 52 21 00-0003	LF	3' High x 7' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	53.00	
31 52 21 00-0004	LF	4' High x 9' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	67.84	
31 52 21 00-0005	LF	5' High x 11' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	95.40	
31 52 21 00-0006	LF	6' High x 13' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	122.97	
31 52 21 00-0007	LF	8' High x 17' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	159.01	
31 52 21 00-0008	LF	10' High x 21' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	318.02	
31 52 21 00-0009	LF	12' High x 25' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	445.22	
31 52 21 00-0010	LF	16' High x 33' Width, Portable Cofferdam, Rental Per Month Note: Minimum 40'	629.67	

31 52 21 00-0011 Delivery And Set-up For Portable Cofferdam *(31 52 21 00-0001)*

Note: Excludes crane usage where required. See CSI section 01 22 23 00-1188 for crane lifting equipment.

31 52 21 00-0012	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	11.99	
31 52 21 00-0013	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	19.18	
31 52 21 00-0014	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	28.77	
31 52 21 00-0015	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Dynamic (Rivers Or Streams) Water	38.37	
31 52 21 00-0016	LF	Delivery And Set-up For Up To 5' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	7.19	
31 52 21 00-0017	LF	Delivery And Set-up For 6' To 8' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	11.99	
31 52 21 00-0018	LF	Delivery And Set-up For 10' To 12' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	19.18	
31 52 21 00-0019	LF	Delivery And Set-up For 16' High, Portable Cofferdam, In Static (Lakes Or Ponds) Water	26.38	

31 52 21 00-0020 Portable Cofferdam Repositioning *(31 52 21 00-0001)*

31 52 21 00-0021	LF	Up To 5' High, Portable Cofferdam, Repositioning	5.99	
31 52 21 00-0022	LF	6' To 8' High, Portable Cofferdam, Repositioning	9.59	
31 52 21 00-0023	LF	10' To 12' High, Portable Cofferdam, Repositioning	14.39	
31 52 21 00-0024	LF	16' High, Portable Cofferdam, Repositioning	19.18	

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	38.73	
		For Piles Driven In Water, Add	*18.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	48.53	
		For Piles Driven In Water, Add	*21.39*	
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	58.75	
		For Piles Driven In Water, Add	*23.50*	
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	71.91	
		For Piles Driven In Water, Add	*26.08*	
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	87.23	
		For Piles Driven In Water, Add	*29.06*	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	100.88	
		For Piles Driven In Water, Add	*32.13*	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	128.56	
		For Piles Driven In Water, Add	*36.90*	

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	43.46	
		For Piles Driven In Water, Add	*19.90*	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	53.28	
		For Piles Driven In Water, Add	*21.86*	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	63.22	
		For Piles Driven In Water, Add	*23.94*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	75.54	
		For Piles Driven In Water, Add	*26.45*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	80.42	
		For Piles Driven In Water, Add	*28.38*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	85.59	
		For Piles Driven In Water, Add	*30.60*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	62.18	
		For Piles Driven In Water, Add	*20.91*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	73.62	
		For Piles Driven In Water, Add	*22.91*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	87.17	
		For Piles Driven In Water, Add	*25.25*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	98.57	
		For Piles Driven In Water, Add	*27.48*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	123.76	
		For Piles Driven In Water, Add	*31.27*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	152.83	
		For Piles Driven In Water, Add	*35.62*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	38.85	
		For Piles Driven In Water, Add	*20.41*	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	43.17	
		For Piles Driven In Water, Add	*21.66*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	51.71	
		For Piles Driven In Water, Add	*22.51*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	50.02	
		For Piles Driven In Water, Add	*22.87*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	55.71	
		For Piles Driven In Water, Add	*23.44*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	63.63	
		For Piles Driven In Water, Add	*25.72*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	69.32	
		For Piles Driven In Water, Add	*26.29*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	63.58	
		For Piles Driven In Water, Add	*26.19*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	73.25	
		For Piles Driven In Water, Add	*27.15*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	81.92	
		For Piles Driven In Water, Add	*29.68*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	91.03	
		For Piles Driven In Water, Add	*30.59*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	341.68
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	382.11
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	524.58
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	544.80

31 62 16 16-0019 Rolled Steel H Driving Caps *(31 62 16 16-0013)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,364.52	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,364.52	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,428.69	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	5,146.82	

31 62 16 16-0024 Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*

31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	361.90	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	382.11	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	524.58	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	585.22	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	524.58	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	624.38	

31 62 16 19 Unfilled Tubular Steel Piles *(31 62 16)*

31 62 16 19-0001 Unfilled Tubular Driven Steel Piles *(31 62 16 19)*

31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	61.58	
		For Piles Driven In Water, Add	*27.32*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	71.10	
		For Piles Driven In Water, Add	*28.27*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	81.37	
		For Piles Driven In Water, Add	*29.30*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	71.10	
		For Piles Driven In Water, Add	*28.27*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	80.14	
		For Piles Driven In Water, Add	*29.17*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	100.12	
		For Piles Driven In Water, Add	*31.17*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	83.53	
		For Piles Driven In Water, Add	*30.62*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	94.12	
		For Piles Driven In Water, Add	*31.68*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	100.00	
		For Piles Driven In Water, Add	*32.27*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	116.46	
		For Piles Driven In Water, Add	*33.91*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	90.35	
		For Piles Driven In Water, Add	*33.63*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	102.33	
		For Piles Driven In Water, Add	*34.83*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	114.30	
		For Piles Driven In Water, Add	*36.03*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	126.28	
		For Piles Driven In Water, Add	*37.23*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	100.53	
		For Piles Driven In Water, Add	*37.53*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	114.53	
		For Piles Driven In Water, Add	*38.93*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	141.84	
		For Piles Driven In Water, Add	*41.66*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	124.04	
		For Piles Driven In Water, Add	*42.19*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	142.23	
		For Piles Driven In Water, Add	*44.01*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	176.79	
		For Piles Driven In Water, Add	*47.47*	

31 62 16 19-0022 Splices And Points For Pipe Piles *(31 62 16 19)*

31 62 16 19-0023 Steel Pipe Pile Splices *(31 62 16 19-0022)*

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	355.56	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	388.36	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	499.00	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	531.35	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	650.96	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	794.58	

31 62 16 19-0030 Steel Pipe Standard Pile Points *(31 62 16 19-0022)*

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	340.82	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	367.09	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	418.43	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	490.67	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	556.34	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	639.37	

31 62 16 19-0037 Steel Pipe Heavy-Duty Pile Points *(31 62 16 19-0022)*

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	491.90	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	524.73	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	592.45	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	723.79	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	830.62	

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 Lb. Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	37.49	
		For Piles Driven In Water, Add	*18.44*	
		For Untreated Pile, Deduct	*-7.83*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.78	
		For Piles Driven In Water, Add	*20.51*	
		For Untreated Pile, Deduct	*-7.92*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	41.96	
		For Piles Driven In Water, Add	*21.82*	
		For Untreated Pile, Deduct	*-8.28*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	45.43	
		For Piles Driven In Water, Add	*24.38*	
		For Untreated Pile, Deduct	*-8.65*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	55.79	
		For Piles Driven In Water, Add	*27.62*	
		For Untreated Pile, Deduct	*-11.58*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	69.40	
		For Piles Driven In Water, Add	*33.38*	
		For Untreated Pile, Deduct	*-14.81*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	65.79	
		For 5,000 PSI Concrete Grout Fill, Add	*6.95*	
		For Piles Driven In Water, Add	*29.57*	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	75.31	
		For 5,000 PSI Concrete Grout Fill, Add	*7.91*	
		For Piles Driven In Water, Add	*30.53*	
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	85.59	
		For 5,000 PSI Concrete Grout Fill, Add	*8.93*	
		For Piles Driven In Water, Add	*31.55*	
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	77.17	
		For 5,000 PSI Concrete Grout Fill, Add	*9.68*	
		For Piles Driven In Water, Add	*31.23*	
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	86.21	
		For 5,000 PSI Concrete Grout Fill, Add	*10.58*	
		For Piles Driven In Water, Add	*32.13*	
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	106.19	
		For 5,000 PSI Concrete Grout Fill, Add	*12.58*	
		For Piles Driven In Water, Add	*34.13*	
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	92.06	
		For 5,000 PSI Concrete Grout Fill, Add	*12.95*	
		For Piles Driven In Water, Add	*34.69*	
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	102.64	
		For 5,000 PSI Concrete Grout Fill, Add	*14.01*	
		For Piles Driven In Water, Add	*35.75*	
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.52	
		For 5,000 PSI Concrete Grout Fill, Add	*14.60*	
		For Piles Driven In Water, Add	*36.34*	
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	124.98	
		For 5,000 PSI Concrete Grout Fill, Add	*16.25*	
		For Piles Driven In Water, Add	*37.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	102.02	
		For 5,000 PSI Concrete Grout Fill, Add	*15.84*	
		For Piles Driven In Water, Add	*39.99*	
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	113.99	
		For 5,000 PSI Concrete Grout Fill, Add	*17.04*	
		For Piles Driven In Water, Add	*41.19*	
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	125.97	
		For 5,000 PSI Concrete Grout Fill, Add	*18.24*	
		For Piles Driven In Water, Add	*42.39*	
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	137.94	
		For 5,000 PSI Concrete Grout Fill, Add	*19.43*	
		For Piles Driven In Water, Add	*43.58*	
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	112.87	
		For 5,000 PSI Concrete Grout Fill, Add	*19.48*	
		For Piles Driven In Water, Add	*42.86*	
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	126.87	
		For 5,000 PSI Concrete Grout Fill, Add	*20.88*	
		For Piles Driven In Water, Add	*44.26*	
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	154.18	
		For 5,000 PSI Concrete Grout Fill, Add	*23.61*	
		For Piles Driven In Water, Add	*46.99*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	138.80	
		For 5,000 PSI Concrete Grout Fill, Add	*24.92*	
		For Piles Driven In Water, Add	*48.00*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	156.99	
		For 5,000 PSI Concrete Grout Fill, Add	*26.74*	
		For Piles Driven In Water, Add	*49.82*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	191.54	
		For 5,000 PSI Concrete Grout Fill, Add	*30.19*	
		For Piles Driven In Water, Add	*53.27*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	85.12	
		For Piles Driven In Water, Add	*26.13*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	103.29	
		For Piles Driven In Water, Add	*29.22*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	116.92	
		For Piles Driven In Water, Add	*32.03*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	127.19	
		For Piles Driven In Water, Add	*34.76*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	83.50	
		For Piles Driven In Water, Add	*25.97*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	85.72	
		For Piles Driven In Water, Add	*27.46*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	104.60	
		For Piles Driven In Water, Add	*30.80*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	120.68	
		For Piles Driven In Water, Add	*34.11*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	50.20	
		For Piles Driven In Water, Add	*19.89*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	55.43	
		For Piles Driven In Water, Add	*22.08*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	60.59	
		For Piles Driven In Water, Add	*24.24*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	65.82	
		For Piles Driven In Water, Add	*26.42*	
		For Thick Wall Shell, Add	*0.11*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	71.03	
		For Piles Driven In Water, Add	*28.59*	
		For Thick Wall Shell, Add	*0.12*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	1,080.69
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,440.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 63 36 00-0005 Drill Hole In Soil *(31 63 36 00-0001)*

31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	59.60
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	69.30
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	81.43
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	95.98
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	103.74
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	114.14
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	125.02

31 63 36 00-0013 Steel H Piles *(31 63 36)*

31 63 36 00-0014 Placed In Drilled Hole, Rolled Steel H-Section Piles *(31 63 36 00-0013)*

Note: Includes guides, bracing and alignment.

31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	34.82
		For >2,400 To 3,600, Deduct	*-1.23*
		For >3,600 To 4,800, Deduct	*-2.46*
		For >4,800 To 6,000, Deduct	*-4.20*
		For >6,000, Deduct	*-5.94*
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	38.94
		For >2,400 To 3,600, Deduct	*-1.35*
		For >3,600 To 4,800, Deduct	*-2.70*
		For >4,800 To 6,000, Deduct	*-4.65*
		For >6,000, Deduct	*-6.59*
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	47.48
		For >2,400 To 3,600, Deduct	*-1.56*
		For >3,600 To 4,800, Deduct	*-3.13*
		For >4,800 To 6,000, Deduct	*-5.50*
		For >6,000, Deduct	*-7.87*
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.66
		For >2,400 To 3,600, Deduct	*-1.53*
		For >3,600 To 4,800, Deduct	*-3.06*
		For >4,800 To 6,000, Deduct	*-5.34*
		For >6,000, Deduct	*-7.62*
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	51.35
		For >2,400 To 3,600, Deduct	*-1.67*
		For >3,600 To 4,800, Deduct	*-3.34*
		For >4,800 To 6,000, Deduct	*-5.91*
		For >6,000, Deduct	*-8.48*
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	58.90
		For >2,400 To 3,600, Deduct	*-1.89*
		For >3,600 To 4,800, Deduct	*-3.78*
		For >4,800 To 6,000, Deduct	*-6.73*
		For >6,000, Deduct	*-9.67*
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	64.59
		For >2,400 To 3,600, Deduct	*-2.03*
		For >3,600 To 4,800, Deduct	*-4.07*
		For >4,800 To 6,000, Deduct	*-7.30*
		For >6,000, Deduct	*-10.53*
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	58.74
		For >2,400 To 3,600, Deduct	*-1.90*
		For >3,600 To 4,800, Deduct	*-3.80*
		For >4,800 To 6,000, Deduct	*-6.73*
		For >6,000, Deduct	*-9.67*
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	68.41
		For >2,400 To 3,600, Deduct	*-2.14*
		For >3,600 To 4,800, Deduct	*-4.28*
		For >4,800 To 6,000, Deduct	*-7.70*
		For >6,000, Deduct	*-11.12*
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	76.68
		For >2,400 To 3,600, Deduct	*-2.38*
		For >3,600 To 4,800, Deduct	*-4.77*
		For >4,800 To 6,000, Deduct	*-8.60*
		For >6,000, Deduct	*-12.43*
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	85.79
		For >2,400 To 3,600, Deduct	*-2.61*
		For >3,600 To 4,800, Deduct	*-5.22*
		For >4,800 To 6,000, Deduct	*-9.51*
		For >6,000, Deduct	*-13.80*

31 63 36 00-0026 Welded Steel Stud Pins *(31 63 36 00-0013)*

Note: Includes welding to steel piles.

31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.50
		For >50 To 150, Deduct	*-0.67*
		For >150 To 250, Deduct	*-1.36*
		For >250 To 500, Deduct	*-2.06*
		For >500, Deduct	*-2.75*
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.70
		For >50 To 150, Deduct	*-0.67*
		For >150 To 250, Deduct	*-1.39*
		For >250 To 500, Deduct	*-2.12*
		For >500, Deduct	*-2.84*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	16.86	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.42*	
		For >250 To 500, Deduct	*-2.18*	
		For >500, Deduct	*-2.93*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.89	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-2.94*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	17.71	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-3.08*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	18.99	
		For >50 To 150, Deduct	*-0.70*	
		For >150 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.35*	
		For >500, Deduct	*-3.17*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.54	
		For >50 To 150, Deduct	*-0.73*	
		For >150 To 250, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-2.33*	
		For >500, Deduct	*-3.14*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	20.51	
		For >50 To 150, Deduct	*-0.73*	
		For >150 To 250, Deduct	*-1.61*	
		For >250 To 500, Deduct	*-2.48*	
		For >500, Deduct	*-3.36*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	21.96	
		For >50 To 150, Deduct	*-0.73*	
		For >150 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.56*	
		For >500, Deduct	*-3.47*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	45.67	
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	50.72	
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	55.81	
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	60.87	
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	65.94	
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	71.02	
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	83.87	

31 64 Caissons *(31 60)*

31 64 13 Box Caissons *(31 64)*

31 64 13 00-0001 Caisson In Stable Ground No Casing Or Ground Water *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0002 Caisson In Stable Ground *(31 64 13 00-0001)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0003	VLF	18" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	61.62	
		For >50' To 100' Deep, Add	*5.84*	
		For >100' To 150' Deep, Add	*15.41*	
		For >150' To 200' Deep, Add	*20.39*	
		For Right Angle Drilling, Add	*16.80*	
31 64 13 00-0004	VLF	24" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	76.24	
		For >50' To 100' Deep, Add	*7.90*	
		For >100' To 150' Deep, Add	*19.06*	
		For >150' To 200' Deep, Add	*26.07*	
		For Right Angle Drilling, Add	*18.68*	
31 64 13 00-0005	VLF	30" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	106.88	
		For >50' To 100' Deep, Add	*11.56*	
		For >100' To 150' Deep, Add	*26.72*	
		For >150' To 200' Deep, Add	*37.16*	
		For Right Angle Drilling, Add	*24.67*	
31 64 13 00-0006	VLF	36" Diameter Caisson, No Casing Stable Ground, No Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	140.44	
		For >50' To 100' Deep, Add	*15.69*	
		For >100' To 150' Deep, Add	*35.11*	
		For >150' To 200' Deep, Add	*49.46*	
		For Right Angle Drilling, Add	*30.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0007	VLF	42" Diameter Caisson, No Casing Stable Ground, No Ground Water	178.33	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*20.67*	
		For >100' To 150' Deep, Add	*44.58*	
		For >150' To 200' Deep, Add	*63.73*	
		For Right Angle Drilling, Add	*36.84*	
31 64 13 00-0008	VLF	48" Diameter Caisson No Casing Stable Ground, No Ground Water	213.94	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*25.28*	
		For >100' To 150' Deep, Add	*53.49*	
		For >150' To 200' Deep, Add	*77.06*	
		For Right Angle Drilling, Add	*42.68*	
31 64 13 00-0009	VLF	54" Diameter Caisson No Casing Stable Ground, No Ground Water	256.14	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*31.23*	
		For >100' To 150' Deep, Add	*64.04*	
		For >150' To 200' Deep, Add	*93.47*	
		For Right Angle Drilling, Add	*48.08*	
31 64 13 00-0010	VLF	60" Diameter Caisson No Casing Stable Ground, No Ground Water	299.32	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*37.33*	
		For >100' To 150' Deep, Add	*74.83*	
		For >150' To 200' Deep, Add	*110.27*	
		For Right Angle Drilling, Add	*53.58*	
31 64 13 00-0011	VLF	66" Diameter Caisson No Casing Stable Ground, No Ground Water	348.20	
		Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*44.19*	
		For >100' To 150' Deep, Add	*87.05*	
		For >150' To 200' Deep, Add	*129.23*	
		For Right Angle Drilling, Add	*59.94*	
31 64 13 00-0012	VLF	72" Diameter Caisson No Casing Stable Ground, No Ground Water	404.03	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*52.09*	
		For >100' To 150' Deep, Add	*101.01*	
		For >150' To 200' Deep, Add	*150.97*	
		For Right Angle Drilling, Add	*67.01*	
31 64 13 00-0013	VLF	78" Diameter Caisson No Casing Stable Ground, No Ground Water	459.51	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*60.11*	
		For >100' To 150' Deep, Add	*114.88*	
		For >150' To 200' Deep, Add	*172.78*	
		For Right Angle Drilling, Add	*73.51*	
31 64 13 00-0014	VLF	84" Diameter Caisson No Casing Stable Ground, No Ground Water	518.62	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*68.71*	
		For >100' To 150' Deep, Add	*129.66*	
		For >150' To 200' Deep, Add	*196.10*	
		For Right Angle Drilling, Add	*80.24*	

31 64 13 00-0015 For Bell Excavation And Concrete, Add *(31 64 13 00-0001)*

31 64 13 00-0016	EA	Bell Excavation And Concrete, 4' Bell Diameter Stable Ground, 24" Shaft, 0.44 CY	488.96	
		For >50' To 100' Deep, Add	*39.29*	
		For >100' To 150' Deep, Add	*122.24*	
		For >150' To 200' Deep, Add	*153.02*	
31 64 13 00-0017	EA	Bell Excavation And Concrete, 6' Bell Diameter Stable Ground, 30" Shaft, 1.57 CY	1,718.60	
		For >50' To 100' Deep, Add	*138.30*	
		For >100' To 150' Deep, Add	*429.65*	
		For >150' To 200' Deep, Add	*538.08*	
31 64 13 00-0018	EA	Bell Excavation And Concrete, 7' Bell Diameter Stable Ground, 36" Shaft, 2.33 CY	2,595.06	
		For >50' To 100' Deep, Add	*211.93*	
		For >100' To 150' Deep, Add	*648.77*	
		For >150' To 200' Deep, Add	*816.36*	
31 64 13 00-0019	EA	Bell Excavation And Concrete, 8' Bell Diameter Stable Ground, 42" Shaft, 3.30 CY	3,601.44	
		For >50' To 100' Deep, Add	*294.66*	
		For >100' To 150' Deep, Add	*900.36*	
		For >150' To 200' Deep, Add	*1,133.63*	
31 64 13 00-0020	EA	Bell Excavation And Concrete, 9' Bell Diameter Stable Ground, 48" Shaft, 4.48 CY	4,896.60	
		For >50' To 100' Deep, Add	*393.94*	
		For >100' To 150' Deep, Add	*1,224.15*	
		For >150' To 200' Deep, Add	*1,532.95*	
31 64 13 00-0021	EA	Bell Excavation And Concrete, 10' Bell Diameter Stable Ground, 60" Shaft, 5.24 CY	5,757.95	
		For >50' To 100' Deep, Add	*463.05*	
		For >100' To 150' Deep, Add	*1,439.49*	
		For >150' To 200' Deep, Add	*1,802.37*	
31 64 13 00-0022	EA	Bell Excavation And Concrete, 12' Bell Diameter Stable Ground, 72" Shaft, 8.74 CY	9,767.42	
		For >50' To 100' Deep, Add	*784.02*	
		For >100' To 150' Deep, Add	*2,441.86*	
		For >150' To 200' Deep, Add	*3,055.60*	
31 64 13 00-0023	EA	Bell Excavation And Concrete, 14' Bell Diameter Stable Ground, 84" Shaft, 13.6 CY	14,107.44	
		For >50' To 100' Deep, Add	*1,143.12*	
		For >100' To 150' Deep, Add	*3,526.86*	
		For >150' To 200' Deep, Add	*4,426.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0024		**Caisson In Wet Ground, Casing Pulled** *(31 64 13)*		
		Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.		
31 64 13 00-0025		**Caisson In Wet Ground** *(31 64 13 00-0024)*		
		Note: Includes 3000 PSI concrete and reinforcing.		
31 64 13 00-0026	VLF	18" Diameter Caisson Wet Ground, Casing Pulled	68.59	
		Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*6.32*	
		For >100' To 150' Deep, Add	*17.15*	
		For >150' To 200' Deep, Add	*22.47*	
		For Right Angle Drilling, Add	*19.27*	
31 64 13 00-0027	VLF	24" Diameter Caisson Wet Ground, Casing Pulled	114.76	
		Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*10.59*	
		For >100' To 150' Deep, Add	*28.69*	
		For >150' To 200' Deep, Add	*37.63*	
		For Right Angle Drilling, Add	*32.17*	
31 64 13 00-0028	VLF	30" Diameter Caisson Wet Ground, Casing Pulled	150.25	
		Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*14.59*	
		For >100' To 150' Deep, Add	*37.56*	
		For >150' To 200' Deep, Add	*50.17*	
		For Right Angle Drilling, Add	*39.85*	
31 64 13 00-0029	VLF	36" Diameter Caisson Wet Ground, Casing Pulled	205.66	
		Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*20.26*	
		For >100' To 150' Deep, Add	*51.42*	
		For >150' To 200' Deep, Add	*69.02*	
		For Right Angle Drilling, Add	*53.67*	
31 64 13 00-0030	VLF	42" Diameter Caisson Wet Ground, Casing Pulled	258.81	
		Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*26.30*	
		For >100' To 150' Deep, Add	*64.70*	
		For >150' To 200' Deep, Add	*87.88*	
		For Right Angle Drilling, Add	*65.00*	
31 64 13 00-0031	VLF	48" Diameter Caisson Wet Ground, Casing Pulled	309.36	
		Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*31.96*	
		For >100' To 150' Deep, Add	*77.34*	
		For >150' To 200' Deep, Add	*105.69*	
		For Right Angle Drilling, Add	*76.08*	
31 64 13 00-0032	VLF	54" Diameter Caisson Wet Ground, Casing Pulled	399.05	
		Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*41.24*	
		For >100' To 150' Deep, Add	*99.76*	
		For >150' To 200' Deep, Add	*136.34*	
		For Right Angle Drilling, Add	*98.10*	
31 64 13 00-0033	VLF	60" Diameter Caisson Wet Ground, Casing Pulled	488.46	
		Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*50.57*	
		For >100' To 150' Deep, Add	*122.12*	
		For >150' To 200' Deep, Add	*167.01*	
		For Right Angle Drilling, Add	*119.78*	
31 64 13 00-0034	VLF	66" Diameter Caisson Wet Ground, Casing Pulled	555.11	
		Note: 0.87 CY Concrete per VLF, 113 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*58.67*	
		For >100' To 150' Deep, Add	*138.78*	
		For >150' To 200' Deep, Add	*191.30*	
		For Right Angle Drilling, Add	*132.36*	
31 64 13 00-0035	VLF	72" Diameter Caisson Wet Ground, Casing Pulled	628.65	
		Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*67.81*	
		For >100' To 150' Deep, Add	*157.16*	
		For >150' To 200' Deep, Add	*218.36*	
		For Right Angle Drilling, Add	*145.63*	
31 64 13 00-0036	VLF	78" Diameter Caisson Wet Ground, Casing Pulled	713.44	
		Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*77.88*	
		For >100' To 150' Deep, Add	*178.36*	
		For >150' To 200' Deep, Add	*248.96*	
		For Right Angle Drilling, Add	*162.38*	
31 64 13 00-0037	VLF	84" Diameter Caisson Wet Ground, Casing Pulled	802.35	
		Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.		
		For >50' To 100' Deep, Add	*88.57*	
		For >100' To 150' Deep, Add	*200.59*	
		For >150' To 200' Deep, Add	*281.22*	
		For Right Angle Drilling, Add	*179.55*	
31 64 13 00-0038		**For Bell Excavation And Concrete, Add** *(31 64 13 00-0024)*		
31 64 13 00-0039	EA	Bell Excavation And Concrete, 4' Bell Diameter Wet Ground 24" Shaft, 0.44 CY	564.84	
		For >50' To 100' Deep, Add	*44.60*	
		For >100' To 150' Deep, Add	*141.21*	
		For >150' To 200' Deep, Add	*175.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0040	EA	Bell Excavation And Concrete, 6' Bell Diameter Wet Ground, 30" Shaft, 1.57 CY	1,967.26	
		For >50' To 100' Deep, Add	*155.71*	
		For >100' To 150' Deep, Add	*491.82*	
		For >150' To 200' Deep, Add	*612.67*	
31 64 13 00-0041	EA	Bell Excavation And Concrete, 7' Bell Diameter Wet Ground, 36" Shaft, 2.33 CY	2,723.36	
		For >50' To 100' Deep, Add	*202.16*	
		For >100' To 150' Deep, Add	*680.84*	
		For >150' To 200' Deep, Add	*831.42*	
31 64 13 00-0042	EA	Bell Excavation And Concrete, 8' Bell Diameter Wet Ground, 42" Shaft, 3.3 CY	4,317.47	
		For >50' To 100' Deep, Add	*344.78*	
		For >100' To 150' Deep, Add	*1,079.37*	
		For >150' To 200' Deep, Add	*1,348.44*	
31 64 13 00-0043	EA	Bell Excavation And Concrete, 9' Bell Diameter Wet Ground, 48" Shaft, 4.48 CY	5,605.29	
		For >50' To 100' Deep, Add	*443.55*	
		For >100' To 150' Deep, Add	*1,401.32*	
		For >150' To 200' Deep, Add	*1,745.56*	
31 64 13 00-0044	EA	Bell Excavation And Concrete, 10' Bell Diameter Wet Ground, 60" Shaft, 5.24 CY	6,591.70	
		For >50' To 100' Deep, Add	*521.41*	
		For >100' To 150' Deep, Add	*1,647.93*	
		For >150' To 200' Deep, Add	*2,052.50*	
31 64 13 00-0045	EA	Bell Excavation And Concrete, 12' Bell Diameter Wet Ground, 72" Shaft, 8.74 CY	11,184.81	
		For >50' To 100' Deep, Add	*883.23*	
		For >100' To 150' Deep, Add	*2,796.20*	
		For >150' To 200' Deep, Add	*3,480.81*	
31 64 13 00-0046	EA	Bell Excavation And Concrete, 14' Bell Diameter Wet Ground, 84" Shaft, 13.6 CY	16,132.28	
		For >50' To 100' Deep, Add	*1,284.86*	
		For >100' To 150' Deep, Add	*4,033.07*	
		For >150' To 200' Deep, Add	*5,034.18*	

31 64 13 00-0047 Caisson In Soft Rock And Medium Hard Shale *(31 64 13)*

Note: Up to 50' deep. See CSI section 31 64 13 00-0070 for equipment set-up.

31 64 13 00-0048 Caisson In Soft Rock *(31 64 13 00-0047)*

Note: Includes 3000 PSI concrete and reinforcing.

31 64 13 00-0049	VLF	18" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.066 CY Concrete per VLF, 9 Lb. rebar per VLF.	273.14	
		For >50' To 100' Deep, Add	*20.64*	
		For >100' To 150' Deep, Add	*68.29*	
		For >150' To 200' Deep, Add	*83.84*	
		For Right Angle Drilling, Add	*90.86*	
31 64 13 00-0050	VLF	24" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.116 CY Concrete per VLF, 14 Lb. rebar per VLF.	455.71	
		For >50' To 100' Deep, Add	*34.46*	
		For >100' To 150' Deep, Add	*113.93*	
		For >150' To 200' Deep, Add	*139.91*	
		For Right Angle Drilling, Add	*151.50*	
31 64 13 00-0051	VLF	30" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.182 CY Concrete per VLF, 23 Lb. rebar per VLF.	686.43	
		For >50' To 100' Deep, Add	*52.13*	
		For >100' To 150' Deep, Add	*171.61*	
		For >150' To 200' Deep, Add	*211.02*	
		For Right Angle Drilling, Add	*227.52*	
31 64 13 00-0052	VLF	36" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.262 CY Concrete per VLF, 33 Lb. rebar per VLF.	875.98	
		For >50' To 100' Deep, Add	*67.18*	
		For >100' To 150' Deep, Add	*219.00*	
		For >150' To 200' Deep, Add	*270.12*	
		For Right Angle Drilling, Add	*288.28*	
31 64 13 00-0053	VLF	42" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.356 CY Concrete per VLF, 48 Lb. rebar per VLF.	1,126.47	
		For >50' To 100' Deep, Add	*87.04*	
		For >100' To 150' Deep, Add	*281.62*	
		For >150' To 200' Deep, Add	*348.17*	
		For Right Angle Drilling, Add	*368.68*	
31 64 13 00-0054	VLF	48" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.465 CY Concrete per VLF, 57 Lb. rebar per VLF.	1,357.78	
		For >50' To 100' Deep, Add	*105.35*	
		For >100' To 150' Deep, Add	*339.45*	
		For >150' To 200' Deep, Add	*420.21*	
		For Right Angle Drilling, Add	*443.02*	
31 64 13 00-0055	VLF	54" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.589 CY Concrete per VLF, 76 Lb. rebar per VLF.	1,659.06	
		For >50' To 100' Deep, Add	*129.44*	
		For >100' To 150' Deep, Add	*414.77*	
		For >150' To 200' Deep, Add	*514.35*	
		For Right Angle Drilling, Add	*539.10*	
31 64 13 00-0056	VLF	60" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.727 CY Concrete per VLF, 93 Lb. rebar per VLF.	1,960.35	
		For >50' To 100' Deep, Add	*153.60*	
		For >100' To 150' Deep, Add	*490.09*	
		For >150' To 200' Deep, Add	*608.58*	
		For Right Angle Drilling, Add	*634.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 64 13 00-0057	VLF	66" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 0.88 CY Concrete per VLF, 113 Lb. rebar per VLF.	2,150.15	
		For >50' To 100' Deep, Add	*170.33*	
		For >100' To 150' Deep, Add	*537.54*	
		For >150' To 200' Deep, Add	*669.82*	
		For Right Angle Drilling, Add	*690.62*	
31 64 13 00-0058	VLF	72" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.047 CY Concrete per VLF, 134 Lb. rebar per VLF.	2,345.90	
		For >50' To 100' Deep, Add	*188.02*	
		For >100' To 150' Deep, Add	*586.48*	
		For >150' To 200' Deep, Add	*733.53*	
		For Right Angle Drilling, Add	*746.66*	
31 64 13 00-0059	VLF	78" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.229 CY Concrete per VLF, 157 Lb. rebar per VLF.	2,397.58	
		For >50' To 100' Deep, Add	*195.77*	
		For >100' To 150' Deep, Add	*599.40*	
		For >150' To 200' Deep, Add	*754.20*	
		For Right Angle Drilling, Add	*751.83*	
31 64 13 00-0060	VLF	84" Diameter Caisson, Soft Rock Medium Shale, No Casing/Ground Water Note: 1.425 CY Concrete per VLF, 183 Lb. rebar per VLF.	2,864.60	
		For >50' To 100' Deep, Add	*232.93*	
		For >100' To 150' Deep, Add	*716.15*	
		For >150' To 200' Deep, Add	*899.89*	
		For Right Angle Drilling, Add	*901.34*	

31 64 13 00-0061 For Bell Excavation And Concrete, Add *(31 64 13 00-0047)*

31 64 13 00-0062	EA	Bell Excavation And Concrete, 4' Bell Diameter Soft Rock/Shale 24" Shaft 0.44 CY	974.38	
		For >50' To 100' Deep, Add	*73.27*	
		For >100' To 150' Deep, Add	*243.60*	
		For >150' To 200' Deep, Add	*298.64*	
31 64 13 00-0063	EA	Bell Excavation And Concrete, 6' Bell Diameter Soft Rock/Shale 30" Shaft 1.57 CY	3,428.54	
		For >50' To 100' Deep, Add	*257.99*	
		For >100' To 150' Deep, Add	*857.14*	
		For >150' To 200' Deep, Add	*1,051.06*	
31 64 13 00-0064	EA	Bell Excavation And Concrete, 7' Bell Diameter Soft Rock/Shale 36" Shaft 2.33 CY	5,132.81	
		For >50' To 100' Deep, Add	*389.57*	
		For >100' To 150' Deep, Add	*1,283.20*	
		For >150' To 200' Deep, Add	*1,577.69*	
31 64 13 00-0065	EA	Bell Excavation And Concrete, 8' Bell Diameter Soft Rock/Shale 42" Shaft 3.3 CY	7,308.75	
		For >50' To 100' Deep, Add	*554.17*	
		For >100' To 150' Deep, Add	*1,827.19*	
		For >150' To 200' Deep, Add	*2,245.82*	
31 64 13 00-0066	EA	Bell Excavation And Concrete, 9' Bell Diameter Soft Rock/Shale 48" Shaft 4.48 CY	9,668.02	
		For >50' To 100' Deep, Add	*727.94*	
		For >100' To 150' Deep, Add	*2,417.01*	
		For >150' To 200' Deep, Add	*2,964.38*	
31 64 13 00-0067	EA	Bell Excavation And Concrete, 10" Bell Diameter Soft Rock/Shale 60" Shaft 5.24 CY	11,784.44	
		For >50' To 100' Deep, Add	*884.90*	
		For >100' To 150' Deep, Add	*2,946.11*	
		For >150' To 200' Deep, Add	*3,610.32*	
31 64 13 00-0068	EA	Bell Excavation And Concrete, 12' Bell Diameter Soft Rock/Shale 72" Shaft 8.74 CY	17,805.55	
		For >50' To 100' Deep, Add	*1,346.68*	
		For >100' To 150' Deep, Add	*4,451.39*	
		For >150' To 200' Deep, Add	*5,467.04*	
31 64 13 00-0069	EA	Bell Excavation And Concrete, 14' Bell Diameter Soft Rock/Shale 84" Shaft 13.6 CY	26,772.75	
		For >50' To 100' Deep, Add	*2,029.69*	
		For >100' To 150' Deep, Add	*6,693.19*	
		For >150' To 200' Deep, Add	*8,226.32*	

31 64 13 00-0070 Set-up And Removal Of Caisson *(31 64 13)*

Note: Includes mobilization of equipment, erection, dismantling of equipment, move off of site.

31 64 13 00-0071	EA	Erect, Set-up, Dismantle And Removal Of Caisson 18" To 36" Diameter, Complete	4,621.96	
31 64 13 00-0072	EA	Erect, Set-up, Dismantle And Removal Of Caisson 48" To 84" Diameter, Complete	6,448.79	
31 64 13 00-0073	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 18" To 36" Diameter	2,203.66	
31 64 13 00-0074	EA	Dismantle, Relocate, Erect And Set-up On Site At Different Location (During Same Phase Of Work), Caisson 48" To 84" Diameter	2,938.21	
31 64 13 00-0075	EA	Relocate Caisson Equipment To Different Hole On-Site Without Dismantling	183.63	

31 66 Special Foundation *(31 60)*

31 66 15 Helical Foundation Piles *(31 66)*

31 66 15 00-0001 Helical Pier Restoration (Atlas) *(31 66 15)*

31 66 15 00-0002	EA	Structural Steel Piers (Atlas Pier System Or Equal) Note: Includes heavy-duty bracket, pier platform, and 14' of 3.5" diameter pier sections, non-corrosive coating, hydraulic lifting, fasteners, and other related activities and materials. Excludes excavation and core drilling	4,162.65
31 66 15 00-0003	EA	Pressure Injecting Grout For Slab Repairs, Per Location Note: Includes preparation, installing and removing grout injection pipes, and finishing. Excludes grout and core drilling.	494.49
31 66 15 00-0004	CY	Pressure Injected Non-Shrink Grout	508.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 68 Foundation Anchors *(31 60)*

31 68 13 Rock Foundation Anchors *(31 68)*

31 68 13 00-0001 Materials And Placement *(31 68 13)*

31 68 13 00-0002 Hollow Core Prestressable Anchor, ASTM A615 *(31 68 13 00-0001)*
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0003 3/4" Diameter *(31 68 13 00-0002)*

31 68 13 00-0004	EA	3/4" Rock Bolt, 5' Hollow Core Prestressable Anchor	263.27
31 68 13 00-0005	EA	3/4" Rock Bolt, 10' Hollow Core Prestressable Anchor	379.38
31 68 13 00-0006	EA	3/4" Rock Bolt, 15' Hollow Core Prestressable Anchor	465.84
31 68 13 00-0007	EA	3/4" Rock Bolt, 20' Hollow Core Prestressable Anchor	611.60

31 68 13 00-0008 1" Diameter *(31 68 13 00-0002)*

31 68 13 00-0009	EA	1" Rock Bolt, 5' Hollow Core Prestressable Anchor	335.53
31 68 13 00-0010	EA	1" Rock Bolt, 10' Hollow Core Prestressable Anchor	518.33
31 68 13 00-0011	EA	1" Rock Bolt, 15' Hollow Core Prestressable Anchor	671.48
31 68 13 00-0012	EA	1" Rock Bolt, 20' Hollow Core Prestressable Anchor	883.98

31 68 13 00-0013 1-3/8" Diameter *(31 68 13 00-0002)*

31 68 13 00-0014	EA	1-3/8" Rock Bolt, 5' Hollow Core Prestressable Anchor	558.35
31 68 13 00-0015	EA	1-3/8" Rock Bolt, 10' Hollow Core Prestressable Anchor	868.93
31 68 13 00-0016	EA	1-3/8" Rock Bolt, 15' Hollow Core Prestressable Anchor	1,149.90
31 68 13 00-0017	EA	1-3/8" Rock Bolt, 20' Hollow Core Prestressable Anchor	1,490.12

31 68 13 00-0018 2" Diameter *(31 68 13 00-0002)*

31 68 13 00-0019	EA	2" Rock Bolt, 5' Hollow Core Prestressable Anchor	1,236.02
31 68 13 00-0020	EA	2" Rock Bolt, 10' Hollow Core Prestressable Anchor	1,838.44
31 68 13 00-0021	EA	2" Rock Bolt, 15' Hollow Core Prestressable Anchor	2,411.13
31 68 13 00-0022	EA	2" Rock Bolt, 20' Hollow Core Prestressable Anchor	3,043.20

31 68 13 00-0023 Super High-Tensile Anchors, ASTM A-108 *(31 68 13 00-0001)*
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0024 3/4" Diameter *(31 68 13 00-0023)*

31 68 13 00-0025	EA	3/4" Rock Bolt, 5' Super High-Tensile Anchor	190.14
31 68 13 00-0026	EA	3/4" Rock Bolt, 10' Super High-Tensile Anchor	253.68
31 68 13 00-0027	EA	3/4" Rock Bolt, 15' Super High-Tensile Anchor	287.43
31 68 13 00-0028	EA	3/4" Rock Bolt, 20' Super High-Tensile Anchor	378.07

31 68 13 00-0029 1" Diameter *(31 68 13 00-0023)*

31 68 13 00-0030	EA	1" Rock Bolt, 5' Super High-Tensile Anchor	227.65
31 68 13 00-0031	EA	1" Rock Bolt, 10' Super High-Tensile Anchor	316.87
31 68 13 00-0032	EA	1" Rock Bolt, 15' Super High-Tensile Anchor	373.42
31 68 13 00-0033	EA	1" Rock Bolt, 20' Super High-Tensile Anchor	489.27

31 68 13 00-0034 1-1/4" Diameter *(31 68 13 00-0023)*

31 68 13 00-0035	EA	1-1/4" Rock Bolt, 5' Super High-Tensile Anchor	337.81
31 68 13 00-0036	EA	1-1/4" Rock Bolt, 10' Super High-Tensile Anchor	474.77
31 68 13 00-0037	EA	1-1/4" Rock Bolt, 15' Super High-Tensile Anchor	581.40
31 68 13 00-0038	EA	1-1/4" Rock Bolt, 20' Super High-Tensile Anchor	742.87

31 68 13 00-0039 2" Diameter *(31 68 13 00-0023)*

31 68 13 00-0040	EA	2" Rock Bolt, 5' Super High-Tensile Anchor	898.54
31 68 13 00-0041	EA	2" Rock Bolt, 10' Super High-Tensile Anchor	1,277.93
31 68 13 00-0042	EA	2" Rock Bolt, 15' Super High-Tensile Anchor	1,562.31
31 68 13 00-0043	EA	2" Rock Bolt, 20' Super High-Tensile Anchor	1,923.21

31 68 13 00-0044 Solid Rebar Anchors, ASTM A615 *(31 68 13 00-0001)*
Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0091 for head assembly, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0198 for grouting, 31 68 13 00-0207 for rock bolt testing.

31 68 13 00-0045 3/4" Diameter *(31 68 13 00-0044)*

31 68 13 00-0046	EA	3/4" Rock Bolt, 5' Solid Rebar Anchor	178.10
31 68 13 00-0047	EA	3/4" Rock Bolt, 10' Solid Rebar Anchor	228.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0048	EA	3/4" Rock Bolt, 15' Solid Rebar Anchor	248.63	
31 68 13 00-0049	EA	3/4" Rock Bolt, 20' Solid Rebar Anchor	328.39	
31 68 13 00-0050		**1" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0051	EA	1" Rock Bolt, 5' Solid Rebar Anchor	201.28	
31 68 13 00-0052	EA	1" Rock Bolt, 10' Solid Rebar Anchor	266.54	
31 68 13 00-0053	EA	1" Rock Bolt, 15' Solid Rebar Anchor	302.20	
31 68 13 00-0054	EA	1" Rock Bolt, 20' Solid Rebar Anchor	397.07	
31 68 13 00-0055		**1-1/4" Diameter** *(31 68 13 00-0044)*		
31 68 13 00-0056	EA	1-1/4" Rock Bolt, 5' Solid Rebar Anchor	294.00	
31 68 13 00-0057	EA	1-1/4" Rock Bolt, 10' Solid Rebar Anchor	379.29	
31 68 13 00-0058	EA	1-1/4" Rock Bolt, 15' Solid Rebar Anchor	435.06	
31 68 13 00-0059	EA	1-1/4" Rock Bolt, 20' Solid Rebar Anchor	550.09	
31 68 13 00-0060		**Resin Anchoring With Grade 60 Rebar** *(31 68 13 00-0001)*		
		Note: Pricing includes only material and labor to install anchors. See CSI section 31 68 13 00-0081 for rebar collars, 31 68 13 00-0083 for resin cartridges, 31 68 13 00-0118 for steel plates and washers, 31 68 13 00-0154 for drilling operation, 31 68 13 00-0176 for tools, 31 68 13 00-0207 for rock bolt testing.		
31 68 13 00-0061		**Rebar #6** *(31 68 13 00-0060)*		
31 68 13 00-0062	EA	#6 Rebar Rock Anchor, 5' Resin Anchor With Grade 60 Rebar	96.73	
31 68 13 00-0063	EA	#6 Rebar Rock Anchor, 10' Resin Anchor With Grade 60 Rebar	134.15	
31 68 13 00-0064	EA	#6 Rebar Rock Anchor, 15' Resin Anchor With Grade 60 Rebar	141.92	
31 68 13 00-0065	EA	#6 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	193.45	
31 68 13 00-0066		**Rebar #8** *(31 68 13 00-0060)*		
31 68 13 00-0067	EA	#8 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	102.77	
31 68 13 00-0068	EA	#8 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	146.24	
31 68 13 00-0069	EA	#8 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	160.05	
31 68 13 00-0070	EA	#8 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	233.16	
31 68 13 00-0071		**Rebar #10** *(31 68 13 00-0060)*		
31 68 13 00-0072	EA	#10 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	111.41	
31 68 13 00-0073	EA	#10 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	163.50	
31 68 13 00-0074	EA	#10 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	185.95	
31 68 13 00-0075	EA	#10 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	267.70	
31 68 13 00-0076		**Rebar #14** *(31 68 13 00-0060)*		
31 68 13 00-0077	EA	#14 Rebar Rock Bolt, 5' Resin Anchor With Grade 60 Rebar	132.13	
31 68 13 00-0078	EA	#14 Rebar Rock Bolt, 10' Resin Anchor With Grade 60 Rebar	204.94	
31 68 13 00-0079	EA	#14 Rebar Rock Bolt, 15' Resin Anchor With Grade 60 Rebar	248.11	
31 68 13 00-0080	EA	#14 Rebar Rock Bolt, 20' Resin Anchor With Grade 60 Rebar	350.58	
31 68 13 00-0081		**Plastic Rebar Collars, Sizes #6-#14** *(31 68 13 00-0060)*		
31 68 13 00-0082	EA	Plastic Rebar Collars For Rebar #4 To #14	2.88	
31 68 13 00-0083		**12" Long Resin Cartridges** *(31 68 13 00-0001)*		
31 68 13 00-0084	EA	7/8" Resin Cartridge 12" Long	3.31	
31 68 13 00-0085	EA	1" Resin Cartridge 12" Long	4.54	
31 68 13 00-0086	EA	1-1/16" Resin Cartridge 12" Long	4.86	
31 68 13 00-0087	EA	1-1/4" Resin Cartridge 12" Long	5.25	
31 68 13 00-0088	EA	1-3/8" Resin Cartridge 12" Long	6.03	
31 68 13 00-0089	EA	1-9/16" Resin Cartridge 12" Long	7.56	
31 68 13 00-0090	EA	1-3/4" Resin Cartridge 12" Long	10.38	
31 68 13 00-0091		**Head Assembly** *(31 68 13 00-0001)*		
31 68 13 00-0092		**3/4" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0093	EA	3/4" Rod Head Assembly 1-5/8" Short Cone and Shell	37.77	
31 68 13 00-0094	EA	3/4" Rod Head Assembly 1-3/4" Short Cone and Shell	31.81	
31 68 13 00-0095	EA	3/4" Rod Head Assembly 1-7/8" Short Cone and Shell	33.37	
31 68 13 00-0096	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	59.91	
31 68 13 00-0097	EA	3/4" Rod Head Assembly 1-7/8" Long Cone and Shell	59.91	
31 68 13 00-0098	EA	3/4" Rod Head Assembly 1-3/4" Long Cone and Shell	56.76	
31 68 13 00-0099		**1" Rod Diameter** *(31 68 13 00-0091)*		
31 68 13 00-0100	EA	1" Rod Head Assembly 1-5/8" Short Cone and Shell	40.71	
31 68 13 00-0101	EA	1" Rod Head Assembly 1-3/4" Short Cone and Shell	34.84	
31 68 13 00-0102	EA	1" Rod Head Assembly 1-7/8" Short Cone and Shell	36.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0103	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	63.02	
31 68 13 00-0104	EA	1" Rod Head Assembly 1-7/8" Long Cone and Shell	63.02	
31 68 13 00-0105	EA	1" Rod Head Assembly 1-3/4" Long Cone and Shell	60.09	
31 68 13 00-0106		1-1/4" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0107	EA	1-1/4" Rod Head Assembly 2" Short Cone and Shell	90.82	
31 68 13 00-0108	EA	1-1/4" Rod Head Assembly 2-1/4" Short Cone and Shell	106.10	
31 68 13 00-0109	EA	1-1/4" Rod Head Assembly 2-1/2" Short Cone and Shell	107.61	
31 68 13 00-0110	EA	1-1/4" Rod Head Assembly 2-1/4" Long Cone and Shell	95.44	
31 68 13 00-0111	EA	1-1/4" Rod Head Assembly 2-1/2" Long Cone and Shell	111.28	
31 68 13 00-0112		1-7/8" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0113	EA	1-7/8" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	357.46	
31 68 13 00-0114	EA	1/7/8" Rod Head Assembly 3" Long Cone and Shell	246.44	
31 68 13 00-0115		2" Rod Diameter *(31 68 13 00-0091)*		
31 68 13 00-0116	EA	2" Rod Head Assembly 3-1/2" Long Cone/Shell/Fl	357.46	
31 68 13 00-0117	EA	2" Rod Head Assembly 3" Long Cone and Shell	246.44	
31 68 13 00-0118		Steel Plates With Standard Hole And Washers *(31 68 13 00-0001)*		
31 68 13 00-0119		Steel Plates *(31 68 13 00-0118)*		
31 68 13 00-0120	EA	1/4" x 4" x 4" Steel Plate For Rock Bolt With Washer	3.94	
31 68 13 00-0121	EA	1/4" x 6" x 6" Steel Plate For Rock Bolt With Washer	7.28	
31 68 13 00-0122	EA	3/8" x 6" x 6" Steel Plate For Rock Bolt With Washer	10.14	
31 68 13 00-0123	EA	3/8" x 8" x 8" Steel Plate For Rock Bolt With Washer	17.77	
31 68 13 00-0124	EA	1/2" x 5" x 5" Steel Plate For Rock Bolt With Washer	6.90	
31 68 13 00-0125	EA	1/2" x 8" x 8" Steel Plate For Rock Bolt With Washer	18.12	
31 68 13 00-0126	EA	3/4" x 7" x 7" Steel Plate For Rock Bolt With Washer	30.08	
31 68 13 00-0127	EA	3/4" x 8" x 8" Steel Plate For Rock Bolt With Washer	42.62	
31 68 13 00-0128	EA	1" x 4" x 7" Steel Plate For Rock Bolt With Washer	25.58	
31 68 13 00-0129	EA	1" x 9" x 9" Steel Plate For Rock Bolt With Washer	72.37	
31 68 13 00-0130	EA	1" x 12" x 12" Steel Plate For Rock Bolt With Washer	106.64	
31 68 13 00-0131	EA	1-1/4" x 5" x 8" Steel Plate For Rock Bolt With Washer	46.81	
31 68 13 00-0132	EA	1-1/4" x 11" x 11" Steel Plate For Rock Bolt With Washer	126.61	
31 68 13 00-0133	EA	1-1/2" x 5" x 10" Steel Plate For Rock Bolt With Washer	63.32	
31 68 13 00-0134	EA	1-1/2" x 12" x 12" Steel Plate For Rock Bolt With Washer	152.29	
31 68 13 00-0135	EA	1-3/4" x 5" x 10" Steel Plate For Rock Bolt With Washer	69.89	
31 68 13 00-0136	EA	1-3/4" x 12" x 12" Steel Plate For Rock Bolt With Washer	168.90	
31 68 13 00-0137		Hardened Washers *(31 68 13 00-0118)*		
31 68 13 00-0138	EA	Hardened Washer For 3/4" Diameter Rock Bolt	1.25	
31 68 13 00-0139	EA	Hardened Washer For 1" Diameter Rock Bolt	1.73	
31 68 13 00-0140	EA	Hardened Washer For 1-1/4" Diameter Rock Bolt	4.83	
31 68 13 00-0141	EA	Hardened Washer For 2" Diameter Rock Bolt	12.04	
31 68 13 00-0142		Beveled Washers *(31 68 13 00-0118)*		
31 68 13 00-0143	EA	Beveled Washer For 3/4" Diameter Rock Bolt	3.15	
31 68 13 00-0144	EA	Beveled Washer For 7/8" To 1-1/8" Diameter Rock Bolt	3.11	
31 68 13 00-0145	EA	Beveled Wash For 1-1/4" To 1-3/8" Diameter Rock Bolt	4.70	
31 68 13 00-0146	EA	Beveled Washer For 1-1/2" Diameter Rock Bolt	20.12	
31 68 13 00-0147	EA	Beveled Washer For 2" Diameter Rock Bolt	13.90	
31 68 13 00-0148		Hex Nuts *(31 68 13 00-0118)*		
31 68 13 00-0149	EA	Hex Nut For 3/4" Diameter Rock Bolt	2.46	
31 68 13 00-0150	EA	Hex Nut For 1" Diameter Rock Bolt	4.01	
31 68 13 00-0151	EA	Hex Nut For 1-1/4" Diameter Rock Bolt	16.45	
31 68 13 00-0152	EA	Hex Nut For 1-1/2" Diameter Rock Bolt	10.36	
31 68 13 00-0153	EA	Hex Nut For 2" Diameter Rock Bolt	66.09	
31 68 13 00-0154		Drilling Operation For Rock Bolts *(31 68 13)*		
31 68 13 00-0155		Drill Holes For Rock Bolts *(31 68 13 00-0154)*		
31 68 13 00-0156		3/4" Diameter Bolt, 1-3/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0157	EA	Drill 1-3/4" Diameter Hole x 5' Long For 3/4" Diameter Rock Bolts	211.99	
31 68 13 00-0158	EA	Drill 1-3/4" Diameter Hole x 10' Long For 3/4" Diameter Rock Bolts	400.43	
31 68 13 00-0159	EA	Drill 1-3/4" Diameter Hole x 15' Long For 3/4" Diameter Rock Bolts	600.64	
31 68 13 00-0160	EA	Drill 1-3/4" Diameter Hole x 20' Long For 3/4" Diameter Rock Bolts	720.77	
31 68 13 00-0161		1" Diameter Bolt, 2" Hole *(31 68 13 00-0155)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 68 13 00-0162	EA	Drill 2" Diameter Hole x 5' Long For 1" Diameter Rock Bolt	277.22	
31 68 13 00-0163	EA	Drill 2" Diameter Hole x 10' Long For 1" Diameter Rock Bolt	514.83	
31 68 13 00-0164	EA	Drill 2" Diameter Hole x 15' Long For 1" Diameter Rock Bolt	720.77	
31 68 13 00-0165	EA	Drill 2" Diameter Hole x 20' Long For 1" Diameter Rock Bolt	900.96	
31 68 13 00-0166		1-1/4" Diameter Bolt, 2-1/4" Hole *(31 68 13 00-0155)*		
31 68 13 00-0167	EA	Drill 2-1/4" Diameter Hole x 5' Long For 1-1/4" Diameter Rock Bolt	300.32	
31 68 13 00-0168	EA	Drill 2-1/4" Diameter Hole x 10' Long For 1-1/4" Diameter Rock Bolt	600.64	
31 68 13 00-0169	EA	Drill 2-1/4" Diameter Hole x 15' long For 1-1/4" Diameter Rock Bolt	900.96	
31 68 13 00-0170	EA	Drill 2-1/4" Diameter Hole x 20' Long For 1-1/4" Diameter Rock Bolt	1,201.28	
31 68 13 00-0171		2" Diameter Bolt, 3-1/2" Hole *(31 68 13 00-0155)*		
31 68 13 00-0172	EA	Drill 3-1/2" Diameter Hole x 5 Long For 2" Diameter Rock Bolt	360.38	
31 68 13 00-0173	EA	Drill 3-1/2" Diameter Hole x 10' Long For 2" Diameter Rock Bolt	720.77	
31 68 13 00-0174	EA	Drill 3-1/2" Diameter Hole x 15' Long For 2" Diameter Rock Bolts	1,201.28	
31 68 13 00-0175	EA	Drill 3-1/2" Diameter Hole x 20' Long For 2" Diameter Rock Bolt	1,801.92	
31 68 13 00-0176		Tools *(31 68 13)*		
31 68 13 00-0177		Hydraulic Jacks, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0178	EA	1/2" To 1", 30 Ton Hydraulic Jack For Rock Bolt, 2" Stroke	773.17	
31 68 13 00-0179	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 3" Stroke	1,139.41	
31 68 13 00-0180	EA	1-1/8" To 1-3/8", 60 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	1,911.49	
31 68 13 00-0181	EA	1-7/8" To 2", 100 Ton Hydraulic Jack For Rock Bolt, 10" Stroke	2,861.75	
31 68 13 00-0182	EA	1-7/8" To 2", 150 Ton Hydraulic Jack For Rock Bolt, 12" Stroke	4,277.79	
31 68 13 00-0183		Torque Wrenches And Ratchet Adapter, Monthly Rental *(31 68 13 00-0176)*		
31 68 13 00-0184		0-500 Foot Pounds (0-678J) *(31 68 13 00-0183)*		
31 68 13 00-0185	EA	1/2" To 1" Bolt Diameter Torque Wrench 0 To 500 Foot Pounds, Monthly Rental	270.56	
31 68 13 00-0186	EA	Torque Wrench Ratchet Adapter Monthly Rental, 0 To 500 Foot Pounds	169.59	
31 68 13 00-0187	EA	Torque Wrench With Adapter 0 To 500 Foot Pounds, Monthly Rental	440.48	
31 68 13 00-0188		0-600 Foot Pounds (0-814J) *(31 68 13 00-0183)*		
31 68 13 00-0189	EA	0 To 600 Foot Pounds Torque Wrench Self-Ratcheting, Monthly Rental	307.18	
31 68 13 00-0190		Up To 1,000 Foot Pounds (0-1356J) *(31 68 13 00-0183)*		
31 68 13 00-0191	EA	1-1/8" To 2" Bolt Diameter Torque Wrench 0 To 1,000 Foot Pounds, Monthly Rental	589.95	
31 68 13 00-0192	EA	Torque Wrench Ratchet Adapter 0 To 1,000 Foot Pounds, Monthly Rental	145.51	
31 68 13 00-0193	EA	Torque Wrench With Ratchet 0 To 1,000 Foot Pounds, Monthly Rental	735.46	
31 68 13 00-0194		Torque Multiplier, 4:1 Multiplier *(31 68 13 00-0176)*		
31 68 13 00-0195	EA	Torque Multiplier, 4 To 1 Ratio	755.58	
31 68 13 00-0196		Pneumatic Drive Torque Wrench *(31 68 13 00-0176)*		
31 68 13 00-0197	EA	Pneumatic Drive Torque Wrench 250 To 900 Foot Pounds (339J - 1220J)	1,616.75	
31 68 13 00-0198		Grouting *(31 68 13)*		
31 68 13 00-0199		Grouting With Pumps *(31 68 13 00-0198)*		
		Note: Grout material and labor only.		
31 68 13 00-0200	GAL	Rock Bolt Grouting, Hand Pump 1 To 2 GPM Delivery	24.92	
31 68 13 00-0201	GAL	Rock Bolt Grouting, Air Pump 3 To 4 GPM Continuous Delivery	39.41	
31 68 13 00-0202	GAL	Rock Bolt Grout, Air/Piston Pump 2 To 4 GPM Delivery	36.30	
31 68 13 00-0203		Grout Pumps, Monthly Rental *(31 68 13 00-0198)*		
31 68 13 00-0204	EA	Hand Grout Pump, Monthly Rental	180.09	
31 68 13 00-0205	EA	Air Powered Programmable Feed Grout Pump Monthly Rental	1,515.00	
31 68 13 00-0206	EA	Air Powered, Piston Drive Grout Pump Monthly Rental	2,645.06	
31 68 13 00-0207		Rock Bolt Testing *(31 68 13)*		
31 68 13 00-0208	EA	Rock Bolt Test, Low To Medium Capacity LF >100 Bolts Need Testing	638.29	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 31

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.38	
		For Up To 250, Add	*1.19*	
		For >250 To 1,000, Add	*0.60*	
		For >5,000 To 10,000, Deduct	*-0.36*	
		For >10,000 To 25,000, Deduct	*-0.60*	
		For >25,000 To 50,000, Deduct	*-0.83*	
		For >50,000, Deduct	*-0.95*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.86	
		For Up To 250, Add	*1.43*	
		For >250 To 1,000, Add	*0.72*	
		For >5,000 To 10,000, Deduct	*-0.43*	
		For >10,000 To 25,000, Deduct	*-0.72*	
		For >25,000 To 50,000, Deduct	*-1.00*	
		For >50,000, Deduct	*-1.14*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.43	
		For Up To 250, Add	*1.72*	
		For >250 To 1,000, Add	*0.86*	
		For >5,000 To 10,000, Deduct	*-0.51*	
		For >10,000 To 25,000, Deduct	*-0.86*	
		For >25,000 To 50,000, Deduct	*-1.20*	
		For >50,000, Deduct	*-1.37*	
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	3.27	
		For Up To 250, Add	*1.64*	
		For >250 To 1,000, Add	*0.82*	
		For >5,000 To 10,000, Deduct	*-0.49*	
		For >10,000 To 25,000, Deduct	*-0.82*	
		For >25,000 To 50,000, Deduct	*-1.14*	
		For >50,000, Deduct	*-1.31*	
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	4.11	
		For Up To 250, Add	*2.06*	
		For >250 To 1,000, Add	*1.03*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000 To 25,000, Deduct	*-1.03*	
		For >25,000 To 50,000, Deduct	*-1.44*	
		For >50,000, Deduct	*-1.64*	
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	4.11	
		For Up To 250, Add	*2.06*	
		For >250 To 1,000, Add	*1.03*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000 To 25,000, Deduct	*-1.03*	
		For >25,000 To 50,000, Deduct	*-1.44*	
		For >50,000, Deduct	*-1.64*	

32 01 11 53-0008 Remove Thermoplastic Pavement Markings *(32 01 11 53)*

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	3.06	
		For Up To 250, Add	*1.53*	
		For >250 To 1,000, Add	*0.77*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000 To 25,000, Deduct	*-0.77*	
		For >25,000 To 50,000, Deduct	*-1.07*	
		For >50,000, Deduct	*-1.22*	
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.62	
		For Up To 250, Add	*1.81*	
		For >250 To 1,000, Add	*0.91*	
		For >5,000 To 10,000, Deduct	*-0.54*	
		For >10,000 To 25,000, Deduct	*-0.91*	
		For >25,000 To 50,000, Deduct	*-1.27*	
		For >50,000, Deduct	*-1.45*	
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.36	
		For Up To 250, Add	*2.18*	
		For >250 To 1,000, Add	*1.09*	
		For >5,000 To 10,000, Deduct	*-0.65*	
		For >10,000 To 25,000, Deduct	*-1.09*	
		For >25,000 To 50,000, Deduct	*-1.53*	
		For >50,000, Deduct	*-1.74*	
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	4.17	
		For Up To 250, Add	*2.09*	
		For >250 To 1,000, Add	*1.04*	
		For >5,000 To 10,000, Deduct	*-0.63*	
		For >10,000 To 25,000, Deduct	*-1.04*	
		For >25,000 To 50,000, Deduct	*-1.46*	
		For >50,000, Deduct	*-1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.23	
		For Up To 250, Add	*2.62*	
		For >250 To 1,000, Add	*1.31*	
		For >5,000 To 10,000, Deduct	*-0.78*	
		For >10,000 To 25,000, Deduct	*-1.31*	
		For >25,000 To 50,000, Deduct	*-1.83*	
		For >50,000, Deduct	*-2.09*	
32 01 11 53-0014	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.23	
		For Up To 250, Add	*2.62*	
		For >250 To 1,000, Add	*1.31*	
		For >5,000 To 10,000, Deduct	*-0.78*	
		For >10,000 To 25,000, Deduct	*-1.31*	
		For >25,000 To 50,000, Deduct	*-1.83*	
		For >50,000, Deduct	*-2.09*	

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*
Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Minimum Charge For Asphalt Seal Coating Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	989.61
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.79
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.49
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate. Per Coat	3.25
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.94
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*
		For Each 0.5% Of Latex Addition, Add	*0.34*
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.71
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*
		For Each 0.5% Of Latex Addition, Add	*0.34*
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.53
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*
		For Each 0.5% Of Latex Addition, Add	*0.34*
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.36
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*
		For Each 0.5% Of Latex Addition, Add	*0.34*
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.36
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*
		For Each 0.5% Of Latex Addition, Add	*0.34*
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.07
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*
		For Each 0.5% Of Latex Addition, Add	*0.34*
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	5.33
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.35*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.41*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.51*
		For Each 0.5% Of Latex Addition, Add	*0.51*
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.96
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*
		For Each 0.5% Of Latex Addition, Add	*0.51*
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.69
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*
		For Each 0.5% Of Latex Addition, Add	*0.51*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.43	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.19	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	3.97	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.51*	
32 01 13 61-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.71	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.36*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.42*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.52*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.32	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.34*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.40*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.50*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.03	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.75	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.49	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	
32 01 13 61-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.25	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.83*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	12.04
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	11.44
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.92
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.47
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.06
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.71
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.46
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.32

32 01 16 Flexible Paving Rehabilitation *(32 01)*

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	4.96	
		For Up To 2,500, Add	*3.72*	
		For >2,500 To 5,000, Add	*1.24*	
		For >10,000 To 25,000, Deduct	*-0.87*	
		For >25,000, Deduct	*-1.24*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	6.27	
		For Up To 2,500, Add	*4.70*	
		For >2,500 To 5,000, Add	*1.57*	
		For >10,000 To 25,000, Deduct	*-1.10*	
		For >25,000, Deduct	*-1.57*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	8.34	
		For Up To 2,500, Add	*6.26*	
		For >2,500 To 5,000, Add	*2.09*	
		For >10,000 To 25,000, Deduct	*-1.46*	
		For >25,000, Deduct	*-2.09*	
32 01 16 71-0006		Limited Production Cold Milling *(32 01 16 71-0001)*		
		Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	33.03	
		For >100 To 1,000, Deduct	*-16.52*	
		For >1,000, Deduct	*-24.77*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	43.74	
		For >100 To 1,000, Deduct	*-21.87*	
		For >1,000, Deduct	*-32.81*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	58.26	
		For >100 To 1,000, Deduct	*-29.13*	
		For >1,000, Deduct	*-43.70*	
32 01 16 71-0010		Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*		
		Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	8.64	
32 01 16 73		**In Place Cold Reused Asphalt Paving** *(32 01 16)*		
32 01 16 73-0001		Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) *(32 01 16 73)*		
		Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	6.36	
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.97	
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	5.12	
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.46	
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	4.06	
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.79	
32 01 16 73-0008	SF	>500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.61	
32 01 16 73-0009		Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) *(32 01 16 73)*		
		Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0010	SF	Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	5.75	
		For >12" To 18" Depth, Add	*1.96*	
32 01 16 73-0011	SF	>42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	4.51	
		For >12" To 18" Depth, Add	*1.58*	
32 01 16 73-0012	SF	>71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.85	
		For >12" To 18" Depth, Add	*1.39*	
32 01 16 73-0013	SF	>130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.45	
		For >12" To 18" Depth, Add	*1.27*	
32 01 16 73-0014	SF	>250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.18	
		For >12" To 18" Depth, Add	*1.18*	
32 01 16 73-0015	SF	>500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C)	3.00	
		For >12" To 18" Depth, Add	*1.13*	
32 01 16 73-0016		Supplemental Aggregate *(32 01 16 73)*		
32 01 16 73-0017	TON	Supplemental Aggregate	86.43	
32 01 16 74		**In Place Hot Reused Asphalt Paving** *(32 01 16)*		
32 01 16 74-0001		Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*		
		Note: Includes direct loading into truck.		
32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings	15.17	
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of >4" To 6" Deep, Asphalt Grindings	22.32	
32 01 16 74-0004		Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*		
		Note: Includes direct loading into truck.		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0005	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	17.79	
32 01 16 74-0006	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.90	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.45	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.21	
32 01 16 74-0009	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.86	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.41	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.70	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.57	
32 01 16 74-0013	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.35	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.68	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.34	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.93	
32 01 16 74-0017	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	23.29	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	11.65	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.82	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.43	
32 01 16 74-0021	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	2,001.83	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	2.02	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.58*	
		For 1" x 1/2" Fill, Add	*1.09*	
		For Backer Rod, Add	*1.17*	
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.65	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.48*	
		For 1" x 1/2" Fill, Add	*0.92*	
		For Backer Rod, Add	*1.06*	
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.32	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.39*	
		For 1" x 1/2" Fill, Add	*0.74*	
		For Backer Rod, Add	*0.94*	
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.14	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.34*	
		For 1" x 1/2" Fill, Add	*0.65*	
		For Backer Rod, Add	*0.88*	
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.01	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.30*	
		For 1" x 1/2" Fill, Add	*0.58*	
		For Backer Rod, Add	*0.82*	
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.93	
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
		For 3/4" x 1/2" Fill, Add	*0.28*	
		For 1" x 1/2" Fill, Add	*0.53*	
		For Backer Rod, Add	*0.78*	
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.46	
		For 3/8" x 1/4" Fill, Add	*0.82*	
		For 1/2" x 1/4" Fill, Add	*1.51*	
		For 1/2" x 1/2" Fill, Add	*3.62*	
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.79	
		For 3/8" x 1/4" Fill, Add	*0.67*	
		For 1/2" x 1/4" Fill, Add	*1.25*	
		For 1/2" x 1/2" Fill, Add	*3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.16	
		For 3/8" x 1/4" Fill, Add	*0.53*	
		For 1/2" x 1/4" Fill, Add	*0.99*	
		For 1/2" x 1/2" Fill, Add	*2.42*	
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.89	
		For 3/8" x 1/4" Fill, Add	*0.47*	
		For 1/2" x 1/4" Fill, Add	*0.87*	
		For 1/2" x 1/2" Fill, Add	*2.13*	
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.71	
		For 3/8" x 1/4" Fill, Add	*0.42*	
		For 1/2" x 1/4" Fill, Add	*0.78*	
		For 1/2" x 1/2" Fill, Add	*1.91*	
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.59	
		For 3/8" x 1/4" Fill, Add	*0.39*	
		For 1/2" x 1/4" Fill, Add	*0.72*	
		For 1/2" x 1/2" Fill, Add	*1.75*	
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.62	
32 01 17 61-0015	LF	Crack Fill Backer Material, Up To 1" Diameter, As Required	1.89	

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,766.76
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified Note: Use for each ton over 3 tons.	530.34
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,702.24
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	508.82
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,669.97
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	498.07
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,637.70
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	487.32

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,928.88
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Note: Use for each ton over 3 tons.	626.03
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,896.61
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified Note: Use for each ton over 3 tons.	615.28
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,864.34
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Note: Use for each ton over 3 tons.	604.53

32 01 17 63-0017 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0057 for saw cutting.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,569.05
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	327.84
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,504.53
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	306.32
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,472.26
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	295.57
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,439.99
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	284.82

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0026		Grind Asphalt *(32 01 17 63)*		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	23.93	
32 01 17 63-0028		Utility Potholing *(32 01 17 63)*		
32 01 17 63-0029	DAY	Utility Potholing Note: Includes laborer, equipment operator, loader/backhoe, compaction water and equipment mobilization and demobilization. Excludes imported materials and asphalt.	1,218.44	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

32 01 26 71-0001		Roadway Grooving *(32 01 26 71)*		
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,564.17	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4.22	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	5,084.65	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.51	
32 01 26 71-0006		Rumble Strips *(32 01 26 71)*		
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	4,991.03	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.90	
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,562.05	
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	1.02	

32 01 26 73 Milling Of Concrete Paving *(32 01 26)*

32 01 26 73-0001		Removal Of Concrete *(32 01 26 73)* Note: Includes direct loading into truck.		
32 01 26 73-0002		Production Milling Of Roads And Parking Areas *(32 01 26 73-0001)* Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	7.90	
32 01 26 73-0004		Limited Production Milling *(32 01 26 73-0001)* Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0039 for hauling.		
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	49.64	

32 01 29 Rigid Paving Repair *(32 01)*

32 01 29 61 Partial Depth Patching of Rigid Paving *(32 01 29)*

32 01 29 61-0001		Hot Applied Flexible Concrete Repair *(32 01 29 61)* Note: Excludes saw cutting (where required), flagmen.		
32 01 29 61-0002	EA	Minimum Charge For Hot Applied Flexible Concrete Repair Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,329.34	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	73.45	
		For >25 SF Quantity, Deduct	*-7.35*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	137.89	
		For >25 SF Quantity, Deduct	*-13.79*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	201.73	
		For >25 SF Quantity, Deduct	*-20.17*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	265.57	
		For >25 SF Quantity, Deduct	*-26.56*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	329.40	
		For >25 SF Quantity, Deduct	*-32.94*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	392.64	
32 01 29 61-0009		Cold Applied Flexible Concrete Repair *(32 01 29 61)*		
32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	7.26	
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	10.41	
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.71	
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	17.12	
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	24.41	
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.35	
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.51	
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.80	
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	17.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	24.50	
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	7.30	
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	10.46	
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.76	
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	17.16	
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	24.45	

32 01 30 Operation and Maintenance of Site Improvements *(32 01)*

32 01 30 13 Snow Removal *(32 01 30)*

32 01 30 13-0001 Snow Removal *(32 01 30 13)*

32 01 30 13-0002	MSF	Up To 4" Depth Snow Plowing, Parking Lot And Drives, Pick-up Truck With Plow	6.76	
		For <5, Add 1.35		
		For >25 To 50, Deduct	*-0.51*	
		For >50, Deduct	*-0.85*	
32 01 30 13-0003	MSF	>4" To 10" Depth Snow Plowing, Parking Lot And Drives, Pick-up Truck With Plow	9.10	
		For <5, Add 1.82		
		For >25 To 50, Deduct	*-0.68*	
		For >50, Deduct	*-1.14*	
32 01 30 13-0004	MSF	>10" To 15" Depth Snow Plowing, Parking Lot And Drives, Pick-up Truck With Plow	15.72	
		For <5, Add 3.14		
		For >25 To 50, Deduct	*-1.18*	
		For >50, Deduct	*-1.97*	
32 01 30 13-0005	MSF	Up To 4" Depth Snow Plowing, Roadway, 12 Ton Plow Truck	4.70	
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.18*	
32 01 30 13-0006	MSF	>4 To 10" Depth Snow Plowing, Roadway, 12 Ton Plow Truck	9.10	
		For >50 To 100, Deduct	*-0.91*	
		For >100 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-2.28*	
32 01 30 13-0007	MSF	>10 To 15" Depth Snow Plowing, Roadway, 12 Ton Plow Truck	15.72	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.93*	
32 01 30 13-0008	SF	Removal Of Up To 2" Snow From Sidewalk And Drives, By Hand	0.78	
32 01 30 13-0009	SF	Removal Of >2" To 4" Snow From Sidewalk And Drives, By Hand	0.96	
32 01 30 13-0010	SF	Removal Of >4" To 6" Snow From Sidewalk And Drives, By Hand	1.16	
32 01 30 13-0011	CF	Removal Of >6" Snow From Sidewalk And Drives, By Hand	1.53	
32 01 30 13-0012	CF	Removal Of Snow From Sidewalk And Drives, By 24" Wide Power Blower	0.10	
32 01 30 13-0013	CY	Snow Removal, Load And Haul, 1 Mile Round Trip	16.12	
32 01 30 13-0014	CY	Snow Removal, Load And Haul, 2 Mile Round Trip	20.95	
32 01 30 13-0015	CY	Snow Removal, Load And Haul, 3 Mile Round Trip	24.63	
32 01 30 13-0016	CY	Snow Removal, Load And Haul, 4 Mile Round Trip	28.32	
32 01 30 13-0017	CY	Snow Removal, Load And Haul, 5 Mile Round Trip	30.62	
32 01 30 13-0018	CY	Snow Removal, Clearing, 1 CY, With Wheeled Skid Steer Loader	5.07	
32 01 30 13-0019	MSF	Spread Sand And Salt Mix On Parking Lot And Drives	17.19	
		For <5, Add 0.62		
		For >25 To 50, Deduct	*-0.23*	
		For >50, Deduct	*-0.39*	
32 01 30 13-0020	MSF	Spread Sand And Salt Mix On Roadway	16.30	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 500, Deduct	*-0.39*	
		For >500, Deduct	*-0.55*	

32 01 30 13-0021 De-Ice Walks *(32 01 30 13)*

32 01 30 13-0022	CSF	De-Ice Walks, With Rock Salt, By Hand	11.63
32 01 30 13-0023	CSF	De-Ice Sidewalks And Drives, With Rock Salt, By Rotary Spreader	11.15
32 01 30 13-0024	MSF	De-Ice Parking Lots And Roadway With Rock Salt, By Rotary Spreader	105.69
32 01 30 13-0025	CSF	De-Ice Walks, With Calcium Chloride, 1.9 Lb./CSF, By Hand	31.37
32 01 30 13-0026	CSF	De-Ice Sidewalks And Drives With Calcium Chloride, 1.9 Lb./CSF, By Rotary Spreader	30.89
32 01 30 13-0027	MSF	De-Ice Parking Lots And Roadways With Calcium Chloride, 19 Lb./MSF, By Rotary Spreader	303.09

32 01 90 Operation and Maintenance of Planting *(32 01)*

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

32 01 90 13 Fertilizing *(32 01 90)*

32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	16.67
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	12.02
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	13.18
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.77

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog	234.99	
		Note: Includes normal debris removal, cutting, and trimming.		
		For <1 Acre, Add	*58.75*	
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	8.09	
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	6.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	27.04	
		For Work On Slopes >2:1, Add	*6.76*	
		For Clearing Light Brush, Add	*4.06*	
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF	22.71	
		For Work On Slopes >2:1, Add	*5.68*	
		For Clearing Light Brush, Add	*3.41*	
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	23.86	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	34.28	
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	39.18	
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	44.08	
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	48.97	
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	74.42	
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	123.52	
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	130.24	
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	235.26	
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	208.55	
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	376.33	
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	240.99	
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	435.20	
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	280.14	
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	505.77	
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	341.01	
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	611.74	
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	423.60	
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	770.97	
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	580.19	
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,044.92	
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	920.46	
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,680.41	

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	42.02	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	47.99	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	53.96	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	60.04	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	91.18	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	151.27	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	159.54	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	288.19	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	255.52	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	460.99	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	295.18	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	533.09	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	343.17	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	619.55	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	417.70	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	749.41	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	518.87	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	944.44	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	710.73	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,280.03	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,127.54	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,058.50	

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	46.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	52.89	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	59.55	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	66.10	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	100.49	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	166.80	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	175.80	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	317.60	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	281.57	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	508.04	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	325.34	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	587.55	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	378.23	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	682.83	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	460.41	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	825.87	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	571.85	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,040.77	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	783.30	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,410.60	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,242.62	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,268.58	

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	49.75	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	56.80	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	63.95	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	71.00	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	107.92	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	179.15	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	188.82	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	341.13	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	302.43	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	545.68	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	349.44	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	631.08	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	406.24	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	733.42	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	494.48	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	887.04	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	614.26	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,117.94	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	841.28	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,515.17	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,334.68	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,436.55	

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	57.10	
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	65.32	
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	73.45	
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	81.58	
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	123.99	
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	205.85	
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	217.03	
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	392.06	
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	347.57	
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	627.20	
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	401.64	
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	725.30	
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	466.86	
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	842.92	
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	568.33	
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,019.60	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	706.03	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,284.97	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	967.03	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,741.61	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,534.08	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,800.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0117		**Palm Tree Pruning** *(32 01 90 23)*		
32 01 90 23-0118	EA	Trim Mexican Palm Tree	103.84	
32 01 90 23-0119	EA	Trim Date Palm Tree	234.30	
32 01 90 23-0120	LF	Skin Palm Tree	26.63	
32 01 90 23-0121	EA	Trim And Skin Palm Tree, Up To 30' Height	99.98	
32 01 90 23-0122	EA	Trim And Skin Palm Tree, >30' To 60' Height	123.51	
32 01 90 23-0123	EA	Trim And Skin Palm Tree, >60' To 80' Height	138.21	
32 01 90 23-0124		**Shrub Pruning** *(32 01 90 23)*		
32 01 90 23-0125	MSF	Shrub Pruning, Prune, Shrub Bed	111.59	
32 01 90 23-0126	EA	Shrub Pruning, Prune, Shrub Under 3' Height	3.91	
32 01 90 23-0127	EA	Shrub Pruning, Prune, Shrub 4' Height	8.81	
32 01 90 23-0128	EA	Shrub Pruning, Prune, Shrub Over 6'	15.67	
32 01 90 23-0129	EA	Shrub Pruning, Prune Trees From Ground	39.18	
32 01 90 23-0130	EA	Shrub Pruning, Prune Trees From Ground, High Work	97.94	
32 01 90 23-0131		**Root Pruning** *(32 01 90 23)*		
		Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0132	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	19.59	
32 01 90 23-0133	EA	Root Pruning, One Side Of 2" Caliper Tree	24.49	
32 01 90 23-0134	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	29.38	
32 01 90 23-0135	EA	Root Pruning, One Side Of 3" Caliper Tree	39.18	
32 01 90 23-0136	EA	Root Pruning, One Side Of 4" Caliper Tree	58.76	
32 01 90 23-0137	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree	73.45	
32 01 90 23-0138	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree	102.83	
32 01 90 23-0139	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree	117.52	
32 01 90 23-0140	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree	137.11	
32 01 90 23-0141	EA	Root Pruning, One Side Of >18' To 24" Caliper Tree	171.38	
32 01 90 23-0142	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree	210.56	
32 01 90 23-0143	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree	244.84	
32 01 90 23-0144	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree	269.33	
32 01 90 23-0145	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree	293.81	
32 01 90 26		**Watering** *(32 01 90)*		
		Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
32 01 90 26-0001		**Watering Lawns, Plants And Trees** *(32 01 90 26)*		
		Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.		
32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	53.46	
32 01 90 26-0003	CSF	Watering Groundcover	8.27	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	14.68	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	28.41	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	37.34	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	46.27	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	56.97	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	14.28	
32 01 90 36		**Weed and Brush Control** *(32 01 90)*		
32 01 90 36-0001		**Herbicide, Push Or Hand Spreader Applied** *(32 01 90 36)*		
32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 Oz./Acre or 1.62 Oz./MSF)	9.04	
		For >45 To 90, Deduct	*-0.50*	
		For >90 To 225, Deduct	*-1.40*	
		For >225 To 870, Deduct	*-2.30*	
		For >870, Deduct	*-2.80*	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 Oz./Acre or 2.94 Oz./MSF)	9.74	
		For >45 To 90, Deduct	*-0.57*	
		For >90 To 225, Deduct	*-1.54*	
		For >225 To 870, Deduct	*-2.51*	
		For >870, Deduct	*-3.08*	
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 Oz./Acre or 1.28 Oz./MSF) Note: Includes pre and post emergent.	9.69	
		For >45 To 90, Deduct	*-0.56*	
		For >90 To 225, Deduct	*-1.53*	
		For >225 To 870, Deduct	*-2.50*	
		For >870, Deduct	*-3.06*	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 Oz./Acre or 1.65 Oz./MSF) Note: Includes pre and post emergent.	10.13	
		For >45 To 90, Deduct	*-0.60*	
		For >90 To 225, Deduct	*-1.62*	
		For >225 To 870, Deduct	*-2.63*	
		For >870, Deduct	*-3.23*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	12.56
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	12.60
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	13.70

32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	47.95
32 01 90 43-0002	MSF	Weed Unmulched Bed	136.99
32 01 90 43-0003	MSF	Cultivate Bed	73.76

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	6.33
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	9.49
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	14.37
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	14.63

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	7.21

32 05 Common Work Results for Exterior Improvements *(32)*

32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Decorative Landscape Boulders *(32 05 33)*

Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA	1 -6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each)	90.04
32 05 33 00-0003	EA	1 -6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	135.07
32 05 33 00-0004	EA	2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each)	180.09
32 05 33 00-0005	EA	2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each)	240.26
32 05 33 00-0006	EA	2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each)	270.42
32 05 33 00-0007	EA	2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each)	360.56
32 05 33 00-0008	EA	2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each)	450.71
32 05 33 00-0009	EA	3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each)	540.84
32 05 33 00-0010	EA	3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	630.99
32 05 33 00-0011	EA	3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each)	721.13
32 05 33 00-0012	EA	3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each)	811.27
32 05 33 00-0013	EA	3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	901.41
32 05 33 00-0014	EA	3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each)	1,081.69
32 05 33 00-0015	TON	Landscape Boulders	721.13

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class 5 Granite Roadway Base Course	108.99
32 11 16 16-0004	CY	Class II Graded Crushed Aggregate Roadway Base Course	113.40
32 11 16 16-0005	CY	Class III Graded Crushed Aggregate Roadway Base Course	109.09
32 11 16 16-0006	CY	Recycled Base Course	108.65

32 11 16 16-0007 Base And Subbase Courses For Roadways And Parking Areas By The SY *(32 11 16 16-0001)*

32 11 16 16-0008	SY	2" Crushed Aggregate Base Course For Roadways And Parking Areas	5.55
		For Up To 500, Add	*1.46*
		For >500 To 1,000, Add	*0.56*
		For >5,000 To 10,000, Deduct	*-0.21*
		For >10,000, Deduct	*-0.36*
		For Limestone, Deduct	*-0.37*
32 11 16 16-0009	SY	4" Crushed Aggregate Base Course For Roadways And Parking Areas	10.40
		For Up To 500, Add	*2.78*
		For >500 To 1,000, Add	*1.04*
		For >5,000 To 10,000, Deduct	*-0.40*
		For >10,000, Deduct	*-0.68*
		For Limestone, Deduct	*-0.62*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0010	SY	6" Crushed Aggregate Base Course For Roadways And Parking Areas	16.29	
		For Up To 500, Add	*4.31*	
		For >500 To 1,000, Add	*1.63*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000, Deduct	*-1.06*	
		For Limestone, Deduct	*-1.05*	
32 11 16 16-0011	SY	9" Crushed Aggregate Base Course For Roadways And Parking Areas	23.74	
		For Up To 500, Add	*6.32*	
		For >500 To 1,000, Add	*2.37*	
		For >5,000 To 10,000, Deduct	*-0.90*	
		For >10,000, Deduct	*-1.54*	
		For Limestone, Deduct	*-1.45*	
32 11 16 16-0012	SY	12" Crushed Aggregate Base Course For Roadways And Parking Areas	28.64	
		For Up To 500, Add	*7.39*	
		For >500 To 1,000, Add	*2.86*	
		For >5,000 To 10,000, Deduct	*-1.09*	
		For >10,000, Deduct	*-1.86*	
		For Limestone, Deduct	*-2.19*	

32 11 16 16-0013 Class II Base Courses By The SY *(32 11 16 16-0001)*

32 11 16 16-0014	SY	2" Class II Graded Crushed Aggregate Base Course	6.23	
		For Up To 500, Add	*1.61*	
		For >500 To 1,000, Add	*0.62*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.40*	
32 11 16 16-0015	SY	4" Class II Crushed Aggregate Base Course	12.47	
		For Up To 500, Add	*3.22*	
		For >500 To 1,000, Add	*1.25*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000, Deduct	*-0.81*	
32 11 16 16-0016	SY	6" Class II Crushed Aggregate Base Course	18.70	
		For Up To 500, Add	*4.82*	
		For >500 To 1,000, Add	*1.87*	
		For >5,000 To 10,000, Deduct	*-0.71*	
		For >10,000, Deduct	*-1.22*	
32 11 16 16-0017	SY	9" Class II Crushed Aggregate Base Course	28.05	
		For Up To 500, Add	*7.23*	
		For >500 To 1,000, Add	*2.81*	
		For >5,000 To 10,000, Deduct	*-1.07*	
		For >10,000, Deduct	*-1.82*	
32 11 16 16-0018	SY	12" Class II Crushed Aggregate Base Course	37.40	
		For Up To 500, Add	*9.64*	
		For >500 To 1,000, Add	*3.74*	
		For >5,000 To 10,000, Deduct	*-1.42*	
		For >10,000, Deduct	*-2.43*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.77	
		For Up To 1,000, Add	*0.21*	
		For >1,000 To 2,500, Add	*0.08*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.09	
		For Up To 1,000, Add	*0.30*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.40	
		For Up To 1,000, Add	*0.39*	
		For >1,000 To 2,500, Add	*0.14*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.82	
		For Up To 1,000, Add	*0.51*	
		For >1,000 To 2,500, Add	*0.18*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.24	
		For Up To 1,000, Add	*0.62*	
		For >1,000 To 2,500, Add	*0.22*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.58	
		For Up To 1,000, Add	*0.72*	
		For >1,000 To 2,500, Add	*0.26*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.92	
		For Up To 1,000, Add	*0.81*	
		For >1,000 To 2,500, Add	*0.29*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	100.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 11 36 Concrete Base Courses *(32 11)*

32 11 36 16 Plain Cement Concrete Base Courses *(32 11 36)*

32 11 36 16-0001 Concrete Base Courses *(32 11 36 16)*

32 11 36 16-0002 SY 9" Concrete Base Course 65.65
Note: Includes 3000 psi traffic rated mix, vibrated and screeded. Excludes reinforcing.

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001 SY Tack Coat, 0.04 Gallon/SY 0.82
For Up To 150, Add 0.16
For >150 To 300, Add 0.08
For >300 To 500, Add 0.04
For >3,500 To 5,000, Deduct -0.02
For >5,000, Deduct -0.05

32 12 13 13-0002 SY Tack Coat, 0.05 Gallon/SY 0.92
For Up To 150, Add 0.19
For >150 To 300, Add 0.09
For >300 To 500, Add 0.05
For >3,500 To 5,000, Deduct -0.02
For >5,000, Deduct -0.06

32 12 13 13-0003 SY Tack Coat, 0.07 Gallon/SY 1.12
For Up To 150, Add 0.24
For >150 To 300, Add 0.11
For >300 To 500, Add 0.06
For >3,500 To 5,000, Deduct -0.03
For >5,000, Deduct -0.07

32 12 13 13-0004 SY Tack Coat, 0.08 Gallon/SY 1.22
For Up To 150, Add 0.26
For >150 To 300, Add 0.12
For >300 To 500, Add 0.06
For >3,500 To 5,000, Deduct -0.03
For >5,000, Deduct -0.08

32 12 13 13-0005 SY Tack Coat, 0.10 Gallon/SY 1.42
For Up To 150, Add 0.31
For >150 To 300, Add 0.14
For >300 To 500, Add 0.07
For >3,500 To 5,000, Deduct -0.04
For >5,000, Deduct -0.10

32 12 13 13-0006 SY Tack Coat, 0.11 Gallon/SY 1.53
For Up To 150, Add 0.34
For >150 To 300, Add 0.15
For >300 To 500, Add 0.08
For >3,500 To 5,000, Deduct -0.04
For >5,000, Deduct -0.10

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY 2.62
For Up To 150, Add 0.61
For >150 To 300, Add 0.26
For >300 To 500, Add 0.13
For >3,500 To 5,000, Deduct -0.07
For >5,000, Deduct -0.18

32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY 2.78
For Up To 150, Add 0.65
For >150 To 300, Add 0.28
For >300 To 500, Add 0.14
For >3,500 To 5,000, Deduct -0.07
For >5,000, Deduct -0.20

32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY 2.95
For Up To 150, Add 0.69
For >150 To 300, Add 0.30
For >300 To 500, Add 0.15
For >3,500 To 5,000, Deduct -0.07
For >5,000, Deduct -0.21

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*
Note: S (3/4") aggregate gradation

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY	135.00	
		Note: Includes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For Warm Mix Additive, Add	*6.42*	
		For Up To 25, Add	*20.01*	
		For >25 To 50, Add	*11.27*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000 To 2,500, Deduct	*-9.93*	
		For >2,500 To 5,000, Deduct	*-15.39*	
		For >5,000, Deduct	*-22.10*	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course	7.72	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 1,000, Add	*1.18*	
		For >1,000 To 2,000, Add	*0.67*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000 To 50,000, Deduct	*-0.58*	
		For >50,000 To 100,000, Deduct	*-0.90*	
		For >100,000, Deduct	*-1.29*	
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	11.42	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 700, Add	*1.73*	
		For >700 To 1,400, Add	*0.98*	
		For >7,000 To 14,000, Deduct	*-0.47*	
		For >14,000 To 32,000, Deduct	*-0.86*	
		For >32,000 To 64,000, Deduct	*-1.34*	
		For >64,000, Deduct	*-1.92*	
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course	14.63	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 500, Add	*2.14*	
		For >500 To 1,000, Add	*1.20*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000 To 24,000, Deduct	*-1.13*	
		For >24,000 To 48,000, Deduct	*-1.75*	
		For >48,000, Deduct	*-2.51*	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	18.53	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 400, Add	*2.75*	
		For >400 To 800, Add	*1.55*	
		For >4,000 To 8,000, Deduct	*-0.78*	
		For >8,000 To 20,000, Deduct	*-1.42*	
		For >20,000 To 40,000, Deduct	*-2.20*	
		For >40,000, Deduct	*-3.16*	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course	22.24	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 340, Add	*3.30*	
		For >340 To 680, Add	*2.67*	
		For >3,400 To 6,800, Deduct	*-0.93*	
		For >6,800 To 17,000, Deduct	*-1.70*	
		For >17,000 To 34,000, Deduct	*-2.64*	
		For >34,000, Deduct	*-3.79*	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	25.94	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 280, Add	*3.85*	
		For >280 To 560, Add	*2.17*	
		For >2,800 To 5,600, Deduct	*-1.09*	
		For >5,600 To 14,000, Deduct	*-1.99*	
		For >14,000 To 28,000, Deduct	*-3.08*	
		For >28,000, Deduct	*-4.42*	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course	29.65	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 250, Add	*4.40*	
		For >250 To 500, Add	*2.48*	
		For >2,500 To 5,000, Deduct	*-1.24*	
		For >5,000 To 12,000, Deduct	*-2.27*	
		For >12,000 To 24,000, Deduct	*-3.52*	
		For >24,000, Deduct	*-5.06*	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course	37.06	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 200, Add	*5.49*	
		For >200 To 400, Add	*3.09*	
		For >2,000 To 4,000, Deduct	*-1.56*	
		For >4,000 To 10,000, Deduct	*-2.84*	
		For >10,000 To 20,000, Deduct	*-4.39*	
		For >20,000, Deduct	*-6.32*	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course	44.47	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 160, Add	*6.59*	
		For >160 To 320, Add	*3.71*	
		For >1,600 To 3,200, Deduct	*-1.87*	
		For >3,200 To 8,000, Deduct	*-3.41*	
		For >8,000 To 16,000, Deduct	*-5.27*	
		For >16,000, Deduct	*-7.58*	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*
Note: SX (1/2") aggregate gradation

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY	139.51	
		Note: Includes placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For Warm Mix Additive, Add	*6.13*	
		For Up To 25, Add	*22.09*	
		For >25 To 50, Add	*12.63*	
		For >500 To 1,000, Deduct	*-5.36*	
		For >1,000 To 2,500, Deduct	*-9.78*	
		For >2,500 To 5,000, Deduct	*-15.14*	
		For >5,000, Deduct	*-21.77*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	155.54	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*6.68*	
		For Up To 25, Add	*25.05*	
		For >25 To 50, Add	*14.37*	
		For >500 To 1,000, Deduct	*-5.90*	
		For >1,000 To 2,500, Deduct	*-10.76*	
		For >2,500 To 5,000, Deduct	*-16.66*	
		For >5,000, Deduct	*-23.96*	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course, With 1/2" To 3/4" Course Or Medium Aggregate	164.97	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*7.29*	
		For Up To 25, Add	*25.99*	
		For >25 To 50, Add	*14.84*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,500, Deduct	*-11.61*	
		For >2,500 To 5,000, Deduct	*-17.98*	
		For >5,000, Deduct	*-25.84*	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course	7.66	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 1,000, Add	*1.26*	
		For >1,000 To 2,000, Add	*0.72*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000 To 50,000, Deduct	*-0.55*	
		For >50,000 To 100,000, Deduct	*-0.85*	
		For >100,000, Deduct	*-1.23*	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course	11.32	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 700, Add	*1.84*	
		For >700 To 1,400, Add	*1.05*	
		For >7,000 To 14,000, Deduct	*-0.45*	
		For >14,000 To 32,000, Deduct	*-0.82*	
		For >32,000 To 64,000, Deduct	*-1.27*	
		For >64,000, Deduct	*-1.83*	
32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Wearing Course	14.40	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 500, Add	*2.25*	
		For >500 To 1,000, Add	*1.28*	
		For >5,000 To 10,000, Deduct	*-0.58*	
		For >10,000 To 24,000, Deduct	*-1.07*	
		For >24,000 To 48,000, Deduct	*-1.66*	
		For >48,000, Deduct	*-2.38*	
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course	18.28	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 400, Add	*2.89*	
		For >400 To 800, Add	*1.65*	
		For >4,000 To 8,000, Deduct	*-0.74*	
		For >8,000 To 20,000, Deduct	*-1.35*	
		For >20,000 To 40,000, Deduct	*-2.09*	
		For >40,000, Deduct	*-3.00*	
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Wearing Course	21.94	
		Note: Includes placement, rolling, finishing and sweeping.		
		For Up To 340, Add	*3.47*	
		For >340 To 680, Add	*2.73*	
		For >3,400 To 6,800, Deduct	*-0.88*	
		For >6,800 To 17,000, Deduct	*-1.62*	
		For >17,000 To 34,000, Deduct	*-2.50*	
		For >34,000, Deduct	*-3.61*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	102.11	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY	390.82	
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	12.32	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	11.90	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	17.91	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
32 12 16 39-0004	SY	1.3" x 1.3" Rib Pitch Triangular Shape, Black Finish, Polypropylene Stabilization (Tensar® TriAx® TX130S Geogrid)	2.73	
		For Up To 50, Add	*0.59*	
		For >50 To 150, Add	*0.44*	
		For >150 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.14*	
32 12 16 39-0005	SY	1.6" x 1.6" Rib Pitch Triangular Shape, Black Finish, Polypropylene Stabilization (Tensar® TriAx® TX5 Geogrid)	5.30	
		For Up To 50, Add	*1.11*	
		For >50 To 150, Add	*0.83*	
		For >150 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.27*	
32 12 16 39-0006	SY	1.27" x 1.27" Rib Pitch Square Shape, Black Finish, Polypropylene Stabilization (Tensar® BX1200 Geogrid)	3.03	
		For Up To 50, Add	*0.65*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	

32 12 16 39-0007 Paving Interlayer Fabrics *(32 12 16 39)*

32 12 16 39-0008	SY	Up To 500 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	13.80
32 12 16 39-0009	SY	>500 To 2,500 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	5.75
32 12 16 39-0010	SY	>2,500 To 5,000 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	4.75
32 12 16 39-0011	SY	>5,000 To 10,000 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	4.58
32 12 16 39-0012	SY	>10,000 SY, 4.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 25) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	4.28
32 12 16 39-0013	SY	Up To 500 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	18.05
32 12 16 39-0014	SY	>500 To 2,500 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	9.94
32 12 16 39-0015	SY	>2,500 To 5,000 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	8.93
32 12 16 39-0016	SY	>5,000 To 10,000 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	8.75
32 12 16 39-0017	SY	>10,000 SY, 7.0 OZ/SY Waterproofing Paving Mat (Tensar® GlasPave® 50) Note: Includes crew, tractor, tack truck, mobilization and hot PG asphalt bonding tack to install the paving mat interlayer prior to paving.	8.61
32 12 16 39-0018	SY	Up To 500 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	16.01
32 12 16 39-0019	SY	>500 To 2,500 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	13.17
32 12 16 39-0020	SY	>2,500 To 5,000 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	12.06
32 12 16 39-0021	SY	>2,500 To 5,000 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	11.69
32 12 16 39-0022	SY	>10,000 SY, 1" x 1" Grid, 12.0 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	11.47
32 12 16 39-0023	SY	Up To 500 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	20.66
32 12 16 39-0024	SY	>500 To 2,500 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF) Note: Includes crew and tractor to install the paving grid interlayer prior to paving.	17.81

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 39-0025	SY	>2,500 To 5,000 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF)	16.70	
		Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0026	SY	>5,000 To 10,000 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF)	16.33	
		Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		
32 12 16 39-0027	SY	>10,000 SY, 1" x 1" Grid, 12.7 OZ/SY, Self-Adhesive Paving Interlayer Reinforcement (Tensar® GlasGrid® 8511TF)	16.11	
		Note: Includes crew and tractor to install the paving grid interlayer prior to paving.		

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	37.71	
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	27.73	
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	16.34	

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 30 Lb. of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	3.11	
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.70	

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 20 Lb. of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.96	

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.68	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.12	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.88	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.60	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.45	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.33	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.18	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.10	
		For Each Additional 0.5% Latex Additive, Add	*0.65*	

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.62	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.00	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.70	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.53	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.96	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.78	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.69	
		For Each Additional 0.5% Latex Additive, Add	*0.80*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0020		Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.50	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.80	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.43	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.03	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.81	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.50	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.28	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.19	
		For Each Additional 0.5% Latex Additive, Add	*0.96*	
32 12 36 13-0029		Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.57	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.87	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.51	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.11	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.90	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.68	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.39	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.28	
		For Each Additional 0.5% Latex Additive, Add	*1.10*	
32 12 36 13-0038		Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)* Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	11.42	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.49	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.96	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.36	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.03	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.64	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.32	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.18	
		For Each Additional 0.5% Latex Additive, Add	*1.59*	
32 12 36 13-0047		Fog Seal, CQS-1h *(32 12 36 13)* Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0048	SY	Up To 200 SY, CQS-1h, Fog Seal	2.13	
32 12 36 13-0049	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.55	
32 12 36 13-0050	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.32	
32 12 36 13-0051	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.14	
32 12 36 13-0052	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	1.04	
32 12 36 13-0053	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.95	
32 12 36 13-0054	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.89	
32 12 36 13-0055	SY	>50,000 SY, CQS-1h, Fog Seal	0.86	
32 12 36 13-0056		Sand Sealer *(32 12 36 13)* Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0057	SY	Up To 200 SY, Sand Seal	3.24	
32 12 36 13-0058	SY	>200 To 500 SY, Sand Seal	2.13	
32 12 36 13-0059	SY	>500 To 1,000 SY, Sand Seal	2.11	
32 12 36 13-0060	SY	>1,000 To 5,000 SY, Sand Seal	1.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0061	SY	>5,000 To 10,000 SY, Sand Seal	1.72	
32 12 36 13-0062	SY	>10,000 To 20,000 SY, Sand Seal	1.61	
32 12 36 13-0063	SY	>20,000 To 50,000 SY, Sand Seal	1.52	
32 12 36 13-0064	SY	>50,000 SY, Sand Seal	1.49	

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*
Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	18.04
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.99
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	14.99
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	13.47
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.45
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.45
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	21.97
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	20.79
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	18.38
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	16.60
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	14.17
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	11.76

32 12 36 23 Fuel-Resistant Sealers *(32 12 36)*

32 12 36 23-0001 Guardtop Seal Coat *(32 12 36 23)*
Note: Includes sweeping and cleaning of area.

32 12 36 23-0002	SY	GuardTop® Asphalt Based Sealcoat (Two Coats)	3.50
		For 3% Polyglass Additive, Add	*0.40*
		For 6% Polyglass Additive, Add	*0.72*
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*
32 12 36 23-0003	LF	GuardTop® Cold Pour Crack Filler	1.46
32 12 36 23-0004	LF	GuardTop® Hot Pour Crack Filler	1.68
32 12 36 23-0005	SY	GuardTop® Oil Spot Primer For Asphalt	6.35
32 12 36 23-0006	SY	GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats)	4.65
		For 3% Polyglass Additive, Add	*0.40*
		For 6% Polyglass Additive, Add	*0.72*
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*
Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	40.94
		For Up To 100, Add	*13.79*
		For >100 To 500, Add	*3.47*
		For >1,000 To 5,000, Deduct	*-1.42*
		For >5,000, Deduct	*-2.93*

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.65

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*
See CSI section 03 31 13 00-0016 for additional concrete at edges.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	64.33	
		For 2,500 PSI Concrete, Deduct	*-3.66*	
		For 3,000 PSI Concrete, Deduct	*-2.38*	
		For 3,500 PSI Concrete, Deduct	*-1.91*	
		For 4,000 PSI Concrete, Deduct	*-0.83*	
		For 5,000 PSI Concrete, Add	*0.51*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.13*	
		For <12' Wide Pass, Add	*11.31*	
		For 24' Or Greater Wide Pass, Deduct	*-12.87*	
		For Air Entrainment, Add	*1.59*	
		For Slipforming, Deduct	*-6.43*	
		For Up To 100, Add	*25.88*	
		For >100 To 250, Add	*14.53*	
		For >250 To 500, Add	*7.27*	
		For >1,000 To 2,000, Deduct	*-1.59*	
		For >2,000 To 5,000, Deduct	*-3.20*	
		For >5,000 To 10,000, Deduct	*-4.81*	
		For >10,000 To 20,000, Deduct	*-6.41*	
		For >20,000, Deduct	*-8.02*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	76.05	
		For 2,500 PSI Concrete, Deduct	*-4.59*	
		For 3,000 PSI Concrete, Deduct	*-2.99*	
		For 3,500 PSI Concrete, Deduct	*-2.39*	
		For 4,000 PSI Concrete, Deduct	*-1.04*	
		For 5,000 PSI Concrete, Add	*0.64*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.19*	
		For <12' Wide Pass, Add	*13.03*	
		For 24' Or Greater Wide Pass, Deduct	*-15.21*	
		For Air Entrainment, Add	*2.00*	
		For Slipforming, Deduct	*-7.61*	
		For Up To 100, Add	*29.67*	
		For >100 To 250, Add	*16.83*	
		For >250 To 500, Add	*8.42*	
		For >1,000 To 2,000, Deduct	*-2.00*	
		For >2,000 To 5,000, Deduct	*-3.90*	
		For >5,000 To 10,000, Deduct	*-5.80*	
		For >10,000 To 20,000, Deduct	*-7.70*	
		For >20,000, Deduct	*-9.60*	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	81.25	
		For 2,500 PSI Concrete, Deduct	*-4.84*	
		For 3,000 PSI Concrete, Deduct	*-3.16*	
		For 3,500 PSI Concrete, Deduct	*-2.53*	
		For 4,000 PSI Concrete, Deduct	*-1.09*	
		For 5,000 PSI Concrete, Add	*0.67*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.47*	
		For <12' Wide Pass, Add	*14.00*	
		For 24' Or Greater Wide Pass, Deduct	*-16.25*	
		For Air Entrainment, Add	*2.10*	
		For Slipforming, Deduct	*-8.13*	
		For Up To 100, Add	*31.91*	
		For >100 To 250, Add	*18.06*	
		For >250 To 500, Add	*9.03*	
		For >1,000 To 2,000, Deduct	*-2.10*	
		For >2,000 To 5,000, Deduct	*-4.14*	
		For >5,000 To 10,000, Deduct	*-6.17*	
		For >10,000 To 20,000, Deduct	*-8.20*	
		For >20,000, Deduct	*-10.23*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	96.46	
		For 2,500 PSI Concrete, Deduct	*-6.10*	
		For 3,000 PSI Concrete, Deduct	*-3.98*	
		For 3,500 PSI Concrete, Deduct	*-3.18*	
		For 4,000 PSI Concrete, Deduct	*-1.38*	
		For 5,000 PSI Concrete, Add	*0.85*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*6.90*	
		For <12' Wide Pass, Add	*16.15*	
		For 24' Or Greater Wide Pass, Deduct	*-19.29*	
		For Air Entrainment, Add	*2.65*	
		For Slipforming, Deduct	*-9.65*	
		For Up To 100, Add	*36.64*	
		For >100 To 250, Add	*20.98*	
		For >250 To 500, Add	*10.49*	
		For >1,000 To 2,000, Deduct	*-2.65*	
		For >2,000 To 5,000, Deduct	*-5.07*	
		For >5,000 To 10,000, Deduct	*-7.48*	
		For >10,000 To 20,000, Deduct	*-9.89*	
		For >20,000, Deduct	*-12.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	110.31	
		For 2,500 PSI Concrete, Deduct	*-6.70*	
		For 3,000 PSI Concrete, Deduct	*-4.37*	
		For 3,500 PSI Concrete, Deduct	*-3.50*	
		For 4,000 PSI Concrete, Deduct	*-1.51*	
		For 5,000 PSI Concrete, Add	*0.93*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.57*	
		For <12' Wide Pass, Add	*18.84*	
		For 24' Or Greater Wide Pass, Deduct	*-22.06*	
		For Air Entrainment, Add	*2.91*	
		For Slipforming, Deduct	*-11.03*	
		For Up To 100, Add	*42.89*	
		For >100 To 250, Add	*24.36*	
		For >250 To 500, Add	*12.18*	
		For >1,000 To 2,000, Deduct	*-2.91*	
		For >2,000 To 5,000, Deduct	*-5.67*	
		For >5,000 To 10,000, Deduct	*-8.43*	
		For >10,000 To 20,000, Deduct	*-11.19*	
		For >20,000, Deduct	*-13.94*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	124.80	
		For 2,500 PSI Concrete, Deduct	*-7.74*	
		For 3,000 PSI Concrete, Deduct	*-5.05*	
		For 3,500 PSI Concrete, Deduct	*-4.04*	
		For 4,000 PSI Concrete, Deduct	*-1.75*	
		For 5,000 PSI Concrete, Add	*1.08*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*8.75*	
		For <12' Wide Pass, Add	*21.10*	
		For 24' Or Greater Wide Pass, Deduct	*-24.96*	
		For Air Entrainment, Add	*3.37*	
		For Slipforming, Deduct	*-12.48*	
		For Up To 100, Add	*47.95*	
		For >100 To 250, Add	*27.34*	
		For >250 To 500, Add	*13.67*	
		For >1,000 To 2,000, Deduct	*-3.37*	
		For >2,000 To 5,000, Deduct	*-6.49*	
		For >5,000 To 10,000, Deduct	*-9.61*	
		For >10,000 To 20,000, Deduct	*-12.73*	
		For >20,000, Deduct	*-15.85*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	139.12	
		For 2,500 PSI Concrete, Deduct	*-8.52*	
		For 3,000 PSI Concrete, Deduct	*-5.55*	
		For 3,500 PSI Concrete, Deduct	*-4.44*	
		For 4,000 PSI Concrete, Deduct	*-1.93*	
		For 5,000 PSI Concrete, Add	*1.18*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.63*	
		For <12' Wide Pass, Add	*23.67*	
		For 24' Or Greater Wide Pass, Deduct	*-27.82*	
		For Air Entrainment, Add	*3.70*	
		For Slipforming, Deduct	*-13.91*	
		For Up To 100, Add	*53.85*	
		For >100 To 250, Add	*30.63*	
		For >250 To 500, Add	*15.31*	
		For >1,000 To 2,000, Deduct	*-3.70*	
		For >2,000 To 5,000, Deduct	*-7.18*	
		For >5,000 To 10,000, Deduct	*-10.66*	
		For >10,000 To 20,000, Deduct	*-14.14*	
		For >20,000, Deduct	*-17.61*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	165.76	
		For 2,500 PSI Concrete, Deduct	*-10.08*	
		For 3,000 PSI Concrete, Deduct	*-6.58*	
		For 3,500 PSI Concrete, Deduct	*-5.26*	
		For 4,000 PSI Concrete, Deduct	*-2.28*	
		For 5,000 PSI Concrete, Add	*1.40*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.40*	
		For <12' Wide Pass, Add	*28.29*	
		For 24' Or Greater Wide Pass, Deduct	*-33.15*	
		For Air Entrainment, Add	*4.38*	
		For Slipforming, Deduct	*-16.58*	
		For Up To 100, Add	*64.38*	
		For >100 To 250, Add	*36.58*	
		For >250 To 500, Add	*18.29*	
		For >1,000 To 2,000, Deduct	*-4.38*	
		For >2,000 To 5,000, Deduct	*-8.53*	
		For >5,000 To 10,000, Deduct	*-12.67*	
		For >10,000 To 20,000, Deduct	*-16.82*	
		For >20,000, Deduct	*-20.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	211.31	
		For 2,500 PSI Concrete, Deduct	*-12.38*	
		For 3,000 PSI Concrete, Deduct	*-8.08*	
		For 3,500 PSI Concrete, Deduct	*-6.46*	
		For 4,000 PSI Concrete, Deduct	*-2.80*	
		For 5,000 PSI Concrete, Add	*1.72*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*14.00*	
		For <12' Wide Pass, Add	*36.68*	
		For 24' Or Greater Wide Pass, Deduct	*-42.26*	
		For Air Entrainment, Add	*5.38*	
		For Slipforming, Deduct	*-21.13*	
		For Up To 100, Add	*83.71*	
		For >100 To 250, Add	*47.24*	
		For >250 To 500, Add	*23.62*	
		For >1,000 To 2,000, Deduct	*-5.38*	
		For >2,000 To 5,000, Deduct	*-10.67*	
		For >5,000 To 10,000, Deduct	*-15.95*	
		For >10,000 To 20,000, Deduct	*-21.23*	
		For >20,000, Deduct	*-26.52*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	5.76	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	19.21	
		For >5,000 To 30,000, Deduct	*-2.05*	
		For >30,000 To 100,000, Deduct	*-3.75*	
		For >100,000, Deduct	*-4.65*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	24.42	
		For >5,000 To 30,000, Deduct	*-2.53*	
		For >30,000 To 100,000, Deduct	*-4.54*	
		For >100,000, Deduct	*-5.64*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*

32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	640.41	
		For Custom Match Coloring, Add	*16.36*	
		For 1 Part Mildew Resistant, Add	*23.85*	
		For High-Modulus Non-Acid Curing, Add	*13.63*	
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	712.64	
		For Custom Match Coloring, Add	*24.53*	
		For 1 Part Mildew Resistant, Add	*35.78*	
		For High-Modulus Non-Acid Curing, Add	*20.44*	
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	784.87	
		For Custom Match Coloring, Add	*32.71*	
		For 1 Part Mildew Resistant, Add	*47.71*	
		For High-Modulus Non-Acid Curing, Add	*27.26*	
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	801.90	
		For Custom Match Coloring, Add	*36.80*	
		For 1 Part Mildew Resistant, Add	*53.67*	
		For High-Modulus Non-Acid Curing, Add	*30.67*	
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	872.08	
		For Custom Match Coloring, Add	*49.07*	
		For 1 Part Mildew Resistant, Add	*71.55*	
		For High-Modulus Non-Acid Curing, Add	*40.89*	
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	942.27	
		For Custom Match Coloring, Add	*61.33*	
		For 1 Part Mildew Resistant, Add	*89.44*	
		For High-Modulus Non-Acid Curing, Add	*51.11*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,031.53	
		For Custom Match Coloring, Add	*73.60*	
		For 1 Part Mildew Resistant, Add	*107.33*	
		For High-Modulus Non-Acid Curing, Add	*61.33*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	959.31	
		For Custom Match Coloring, Add	*65.42*	
		For 1 Part Mildew Resistant, Add	*95.41*	
		For High-Modulus Non-Acid Curing, Add	*54.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0011	CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,103.76	
		For Custom Match Coloring, Add	*81.78*	
		For 1 Part Mildew Resistant, Add	*119.26*	
		For High-Modulus Non-Acid Curing, Add	*68.15*	
32 13 73 13-0012	CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,210.06	
		For Custom Match Coloring, Add	*98.13*	
		For 1 Part Mildew Resistant, Add	*143.11*	
		For High-Modulus Non-Acid Curing, Add	*81.78*	
32 13 73 13-0013	CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,316.35	
		For Custom Match Coloring, Add	*114.49*	
		For 1 Part Mildew Resistant, Add	*166.96*	
		For High-Modulus Non-Acid Curing, Add	*95.41*	
32 13 73 13-0014	CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,403.58	
		For Custom Match Coloring, Add	*130.84*	
		For 1 Part Mildew Resistant, Add	*190.81*	
		For High-Modulus Non-Acid Curing, Add	*109.04*	
32 13 73 13-0015	CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,490.81	
		For Custom Match Coloring, Add	*147.20*	
		For 1 Part Mildew Resistant, Add	*214.67*	
		For High-Modulus Non-Acid Curing, Add	*122.67*	
32 13 73 13-0016	CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,767.47	
		For Custom Match Coloring, Add	*204.44*	
		For 1 Part Mildew Resistant, Add	*298.15*	
		For High-Modulus Non-Acid Curing, Add	*170.37*	
32 13 73 13-0017	CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,044.14	
		For Custom Match Coloring, Add	*261.69*	
		For 1 Part Mildew Resistant, Add	*381.63*	
		For High-Modulus Non-Acid Curing, Add	*218.07*	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002	LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	13.73	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002	CLF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	586.80	121.97
		For >25 To 50, Deduct	*-15.66*	
		For >50 To 100, Deduct	*-31.81*	
		For >100 To 175, Deduct	*-46.48*	
		For >175 To 250, Deduct	*-63.62*	
		For >250, Deduct	*-80.77*	
32 13 73 19-0003	CLF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	664.24	130.10
		For >25 To 50, Deduct	*-18.04*	
		For >50 To 100, Deduct	*-36.81*	
		For >100 To 175, Deduct	*-53.41*	
		For >175 To 250, Deduct	*-73.61*	
		For >250, Deduct	*-93.82*	
32 13 73 19-0004	CLF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	767.28	138.24
		For >25 To 50, Deduct	*-21.33*	
		For >50 To 100, Deduct	*-43.72*	
		For >100 To 175, Deduct	*-62.90*	
		For >175 To 250, Deduct	*-87.44*	
		For >250, Deduct	*-111.98*	
32 13 73 19-0005	CLF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,116.11	154.50
		For >25 To 50, Deduct	*-32.88*	
		For >50 To 100, Deduct	*-68.26*	
		For >100 To 175, Deduct	*-96.16*	
		For >175 To 250, Deduct	*-136.52*	
		For >250, Deduct	*-176.87*	
32 13 73 19-0006	CLF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,521.02	182.96
		For >25 To 50, Deduct	*-45.92*	
		For >50 To 100, Deduct	*-95.78*	
		For >100 To 175, Deduct	*-133.81*	
		For >175 To 250, Deduct	*-191.56*	
		For >250, Deduct	*-249.32*	
32 13 73 19-0007	CLF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,187.87	203.29
		For >25 To 50, Deduct	*-68.44*	
		For >50 To 100, Deduct	*-143.76*	
		For >100 To 175, Deduct	*-198.46*	
		For >175 To 250, Deduct	*-287.52*	
		For >250, Deduct	*-376.59*	
32 13 73 19-0008	CLF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	3,052.77	225.88
		For >25 To 50, Deduct	*-97.81*	
		For >50 To 100, Deduct	*-206.37*	
		For >100 To 175, Deduct	*-282.69*	
		For >175 To 250, Deduct	*-412.74*	
		For >250, Deduct	*-542.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.41	1.21
		For >1,000 To 2,000, Deduct	*-0.77*	
		For >2,000 To 4,000, Deduct	*-1.11*	
		For >4,000, Deduct	*-1.43*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	5.88	1.21
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.40*	
		For >2,000, Deduct	*-0.59*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	5.65	1.21
		For >250 To 500, Deduct	*-0.37*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 1,500, Deduct	*-0.93*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	6.69	1.21
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.71*	
		For >1,000 To 1,500, Deduct	*-1.19*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	8.70	1.21
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.02*	
		For >1,000 To 1,500, Deduct	*-1.69*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	10.23	1.21
		For >250 To 500, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000 To 1,500, Deduct	*-2.08*	

32 14 11 Bedding for Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding	1.15	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding	1.36	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.16*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.15*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding	1.74	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.19*	
		For >1,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.18*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding	2.20	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.24*	
		For >1,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.22*	
32 14 11 00-0006	SF	1" Mortar Bedding	3.63	
		For Up To 100, Add	*1.65*	
		For >100 To 500, Add	*0.48*	
		For >1,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.46*	
32 14 11 00-0007	SF	2" Mortar Bedding	5.28	
		For Up To 100, Add	*2.31*	
		For >100 To 500, Add	*0.66*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.63*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.84	
		For Up To 100, Add	*0.86*	
		For >100 To 500, Add	*0.25*	
		For >1,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.24*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	12.80	3.69
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.18*	
		For 3-1/8" Concrete Paver, Add	*1.90*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.01*	
		For Up To 100, Add	*5.05*	
		For >100 To 500, Add	*1.38*	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-1.27*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	12.12	3.37
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.15*	
		For 3-1/8" Concrete Paver, Add	*1.85*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For Up To 100, Add	*4.71*	
		For >100 To 500, Add	*1.28*	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-1.17*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	11.51	2.67
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.11*	
		For 3-1/8" Concrete Paver, Add	*1.81*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.88*	
		For Up To 100, Add	*4.41*	
		For >100 To 500, Add	*1.19*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.08*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	10.95	2.78
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.09*	
		For 3-1/8" Concrete Paver, Add	*1.76*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.83*	
		For Up To 100, Add	*4.13*	
		For >100 To 500, Add	*1.10*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.00*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	11.81	3.20
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*1.13*	
		For 3-1/8" Concrete Paver, Add	*1.83*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.91*	
		For Up To 100, Add	*4.56*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.12*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	13.46	3.20
		For Up To 100, Add	*4.97*	
		For >100 To 500, Add	*1.32*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.17*	

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	16.67	3.69
		For 1-3/8" Thick Paver, Deduct	*-3.61*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.27*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.20*	
		For Up To 100, Add	*6.02*	
		For >100 To 500, Add	*1.57*	
		For >1,000 To 5,000, Deduct	*-0.74*	
		For >5,000, Deduct	*-1.39*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	24.89	4.22
		For 1-3/8" Thick Paver, Deduct	*-6.19*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.47*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.67*	
		For Up To 100, Add	*8.33*	
		For >100 To 500, Add	*2.09*	
		For >1,000 To 5,000, Deduct	*-0.84*	
		For >5,000, Deduct	*-1.76*	

32 14 33 Plastic Paving *(32 14)*

32 14 33 13 Permeable Plastic Paving *(32 14 33)*

32 14 33 13-0001 Turf Block Plastic Paving *(32 14 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	20.40	3.20
		For Up To 100, Add	*6.71*	
		For >100 To 500, Add	*1.66*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.38*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	17.00	3.06
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.16*	
		For 1/4" Thick Paver, Deduct	*-8.49*	
		For 1/2" Thick Paver, Deduct	*-5.92*	
		For Up To 100, Add	*5.78*	
		For >100 To 500, Add	*1.46*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.24*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	16.44	2.78
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.10*	
		For 1/4" Thick Paver, Deduct	*-8.35*	
		For 1/2" Thick Paver, Deduct	*-5.84*	
		For Up To 100, Add	*5.50*	
		For >100 To 500, Add	*1.38*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.16*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	15.48	2.30
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.00*	
		For 1/4" Thick Paver, Deduct	*-8.11*	
		For 1/2" Thick Paver, Deduct	*-5.69*	
		For Up To 100, Add	*5.02*	
		For >100 To 500, Add	*1.23*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.02*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	15.06	2.09
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.96*	
		For 1/4" Thick Paver, Deduct	*-8.01*	
		For 1/2" Thick Paver, Deduct	*-5.63*	
		For Up To 100, Add	*4.81*	
		For >100 To 500, Add	*1.17*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.95*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	15.91	2.52
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.05*	
		For 1/4" Thick Paver, Deduct	*-8.22*	
		For 1/2" Thick Paver, Deduct	*-5.76*	
		For Up To 100, Add	*5.24*	
		For >100 To 500, Add	*1.30*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-1.08*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	33.75	3.06
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.99*	
		For 2" Granite Paver, Add	*1.69*	
		For 3" Granite Paver, Add	*3.38*	
		For 4" Granite Paver, Add	*3.68*	
		For Up To 100, Add	*9.97*	
		For >100 To 500, Add	*2.30*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.75*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	33.19	2.78
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.94*	
		For 2" Granite Paver, Add	*1.66*	
		For 3" Granite Paver, Add	*3.32*	
		For 4" Granite Paver, Add	*3.60*	
		For Up To 100, Add	*9.69*	
		For >100 To 500, Add	*2.22*	
		For >1,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-1.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.	32.23	2.30
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.84*	
		For 2" Granite Paver, Add	*1.61*	
		For 3" Granite Paver, Add	*3.22*	
		For 4" Granite Paver, Add	*3.45*	
		For Up To 100, Add	*9.21*	
		For >100 To 500, Add	*2.07*	
		For >1,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-1.52*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.	31.81	2.09
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.80*	
		For 2" Granite Paver, Add	*1.59*	
		For 3" Granite Paver, Add	*3.18*	
		For 4" Granite Paver, Add	*3.39*	
		For Up To 100, Add	*9.00*	
		For >100 To 500, Add	*2.01*	
		For >1,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-1.46*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups.	32.66	2.52
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.88*	
		For 2" Granite Paver, Add	*1.63*	
		For 3" Granite Paver, Add	*3.27*	
		For 4" Granite Paver, Add	*3.52*	
		For Up To 100, Add	*9.42*	
		For >100 To 500, Add	*2.14*	
		For >1,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-1.58*	

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	110.36	

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	77.46	

32 15 40 00-0005 Decomposed Granite *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway Note: Placed in 2 lifts.	20.94	
		For Additional 2" Lift	*10.47*	
		For >45 To 180, Deduct	*-1.41*	
		For >180 To 450, Deduct	*-1.77*	
		For >450, Deduct	*-2.13*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0057 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	6" x 12" Cast In Place Concrete Curb	26.33	12.76
		For Mountable Curb, Add	*1.72*	
		For Up To 20, Add	*15.47*	
		For >20 To 50, Add	*8.76*	
		For >50 To 100, Add	*3.36*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-5.69*	
32 16 13 13-0003	LF	6" x 12" Cast In Place Concrete Curb - Radius	29.91	14.67
		For Mountable Curb, Add	*2.01*	
		For Up To 20, Add	*17.78*	
		For >20 To 50, Add	*10.07*	
		For >50 To 100, Add	*3.86*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-6.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0004	LF	6" x 14" Cast In Place Concrete Curb	28.70	12.76
		For Mountable Curb, Add	*1.88*	
		For Up To 20, Add	*16.90*	
		For >20 To 50, Add	*9.57*	
		For >50 To 100, Add	*3.67*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000, Deduct	*-6.22*	
32 16 13 13-0005	LF	6" x 14" Cast In Place Concrete Curb - Radius	32.65	14.67
		For Mountable Curb, Add	*2.21*	
		For Up To 20, Add	*19.45*	
		For >20 To 50, Add	*11.01*	
		For >50 To 100, Add	*4.22*	
		For >500 To 1,000, Deduct	*-4.22*	
		For >1,000, Deduct	*-7.14*	
32 16 13 13-0006	LF	6" x 16" Cast In Place Concrete Curb	31.37	12.76
		For Mountable Curb, Add	*2.03*	
		For Up To 20, Add	*18.39*	
		For >20 To 50, Add	*10.41*	
		For >50 To 100, Add	*3.99*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000, Deduct	*-6.77*	
32 16 13 13-0007	LF	6" x 16" Cast In Place Concrete Curb - Radius	35.54	19.14
		For Mountable Curb, Add	*2.39*	
		For Up To 20, Add	*21.14*	
		For >20 To 50, Add	*11.97*	
		For >50 To 100, Add	*4.58*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000, Deduct	*-7.76*	
32 16 13 13-0008	LF	6" x 18" Cast In Place Concrete Curb	33.44	12.76
		For Mountable Curb, Add	*2.16*	
		For Up To 20, Add	*19.58*	
		For >20 To 50, Add	*11.08*	
		For >50 To 100, Add	*4.25*	
		For >500 To 1,000, Deduct	*-4.25*	
		For >1,000, Deduct	*-7.21*	
32 16 13 13-0009	LF	6" x 18" Cast In Place Concrete Curb - Radius	37.57	14.67
		For Mountable Curb, Add	*2.48*	
		For Up To 20, Add	*22.18*	
		For >20 To 50, Add	*12.56*	
		For >50 To 100, Add	*4.81*	
		For >500 To 1,000, Deduct	*-4.81*	
		For >1,000, Deduct	*-8.16*	
32 16 13 13-0010	LF	6" x 24" Cast In Place Concrete Curb	38.06	14.04
		For Mountable Curb, Add	*2.30*	
		For Up To 20, Add	*21.79*	
		For >20 To 50, Add	*12.31*	
		For >50 To 100, Add	*4.74*	
		For >500 To 1,000, Deduct	*-4.74*	
		For >1,000, Deduct	*-8.06*	
32 16 13 13-0011	LF	6" x 24" Cast In Place Concrete Curb - Radius	42.36	15.94
		For Mountable Curb, Add	*2.61*	
		For Up To 20, Add	*24.42*	
		For >20 To 50, Add	*13.80*	
		For >50 To 100, Add	*5.31*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000, Deduct	*-9.02*	
32 16 13 13-0012	LF	12" x 24" Cast In Place Concrete Curb	47.99	15.94
		For Mountable Curb, Add	*2.31*	
		For Up To 20, Add	*25.55*	
		For >20 To 50, Add	*14.37*	
		For >50 To 100, Add	*5.59*	
		For >500 To 1,000, Deduct	*-5.59*	
		For >1,000, Deduct	*-9.58*	
32 16 13 13-0013	LF	12" x 24" Cast In Place Concrete Curb - Radius	53.22	17.86
		For Mountable Curb, Add	*2.61*	
		For Up To 20, Add	*28.50*	
		For >20 To 50, Add	*16.04*	
		For >50 To 100, Add	*6.23*	
		For >500 To 1,000, Deduct	*-6.23*	
		For >1,000, Deduct	*-10.68*	
32 16 13 13-0014	EA	Additional Finish For Handicap Drop Section In Curb	95.67	

32 16 13 13-0015 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0016	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	34.56	15.11
		For Up To 20, Add	*23.38*	
		For >20 To 50, Add	*13.01*	
		For >50 To 100, Add	*5.18*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000, Deduct	*-7.42*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0017	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	37.49	20.15
		For Up To 20, Add	*25.39*	
		For >20 To 50, Add	*14.14*	
		For >50 To 100, Add	*5.62*	
		For >500 To 1,000, Deduct	*-4.77*	
		For >1,000, Deduct	*-8.09*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.43*	
32 16 13 13-0018	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	43.24	16.75
		For Up To 20, Add	*29.28*	
		For >20 To 50, Add	*16.31*	
		For >50 To 100, Add	*6.49*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-9.33*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.79*	
32 16 13 13-0019	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	47.58	18.64
		For Up To 20, Add	*32.26*	
		For >20 To 50, Add	*17.99*	
		For >50 To 100, Add	*7.14*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-10.33*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.14*	
32 16 13 13-0020	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	51.91	20.15
		For Up To 20, Add	*35.17*	
		For >20 To 50, Add	*19.60*	
		For >50 To 100, Add	*7.79*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-11.23*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.39*	
32 16 13 13-0021	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	57.64	22.67
		For Up To 20, Add	*39.12*	
		For >20 To 50, Add	*21.82*	
		For >50 To 100, Add	*8.65*	
		For >500 To 1,000, Deduct	*-7.41*	
		For >1,000, Deduct	*-12.56*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.85*	
32 16 13 13-0022	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	61.23	23.92
		For Up To 20, Add	*41.52*	
		For >20 To 50, Add	*23.15*	
		For >50 To 100, Add	*9.18*	
		For >500 To 1,000, Deduct	*-7.85*	
		For >1,000, Deduct	*-13.30*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.05*	
32 16 13 13-0023	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	67.11	26.44
		For Up To 20, Add	*45.55*	
		For >20 To 50, Add	*25.42*	
		For >50 To 100, Add	*10.07*	
		For >500 To 1,000, Deduct	*-8.64*	
		For >1,000, Deduct	*-14.64*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.51*	
32 16 13 13-0024	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	70.54	27.70
		For Up To 20, Add	*47.86*	
		For >20 To 50, Add	*26.70*	
		For >50 To 100, Add	*10.58*	
		For >500 To 1,000, Deduct	*-9.07*	
		For >1,000, Deduct	*-15.36*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.71*	
32 16 13 13-0025	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	76.57	30.22
		For Up To 20, Add	*51.99*	
		For >20 To 50, Add	*29.02*	
		For >50 To 100, Add	*11.49*	
		For >500 To 1,000, Deduct	*-9.87*	
		For >1,000, Deduct	*-16.72*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.16*	
32 16 13 13-0026	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	79.85	31.48
		For Up To 20, Add	*54.21*	
		For >20 To 50, Add	*30.25*	
		For >50 To 100, Add	*11.98*	
		For >500 To 1,000, Deduct	*-10.29*	
		For >1,000, Deduct	*-17.43*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.37*	
32 16 13 13-0027	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	88.54	35.25
		For Up To 20, Add	*60.18*	
		For >20 To 50, Add	*33.61*	
		For >50 To 100, Add	*13.28*	
		For >500 To 1,000, Deduct	*-11.48*	
		For >1,000, Deduct	*-19.43*	
		For Mountable Or Rolled Curb And Gutter, Add	*6.06*	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Minimum Set-up Charge For Machine Formed Concrete Curb (One Time Per Job)	1,676.93

Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	13.49	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	18.53	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	17.78	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	23.76	

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.92	5.84
		For Curved Section, Add	*3.97*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	19.75	6.64
		For Curved Section, Add	*4.47*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	26.51	7.44
		For Curved Section, Add	*5.45*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	32.48	8.37
		For Curved Section, Add	*6.36*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	39.67	9.16
		For Curved Section, Add	*7.39*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	51.84	11.68
		For Curved Section, Add	*9.54*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	59.90	15.14
		For Curved Section, Add	*11.65*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	186.13	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	24.45
		For Up To 20, Add	*11.56*
		For >20 To 50, Add	*6.44*
		For >50 To 100, Add	*2.56*
		For >500 To 1,000, Deduct	*-2.56*
		For >1,000, Deduct	*-4.44*
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	29.95
		For Up To 20, Add	*14.01*
		For >20 To 50, Add	*7.81*
		For >50 To 100, Add	*3.10*
		For >500 To 1,000, Deduct	*-3.10*
		For >1,000, Deduct	*-5.40*
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.39
		For Up To 20, Add	*16.43*
		For >20 To 50, Add	*9.15*
		For >50 To 100, Add	*3.64*
		For >500 To 1,000, Deduct	*-3.64*
		For >1,000, Deduct	*-6.34*
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	40.79
		For Up To 20, Add	*18.82*
		For >20 To 50, Add	*10.48*
		For >50 To 100, Add	*4.17*
		For >500 To 1,000, Deduct	*-4.17*
		For >1,000, Deduct	*-7.28*
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	46.21
		For Up To 20, Add	*21.22*
		For >20 To 50, Add	*11.81*
		For >50 To 100, Add	*4.71*
		For >500 To 1,000, Deduct	*-4.71*
		For >1,000, Deduct	*-8.22*
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	54.77
		For Up To 20, Add	*24.43*
		For >20 To 50, Add	*13.57*
		For >50 To 100, Add	*5.43*
		For >500 To 1,000, Deduct	*-5.43*
		For >1,000, Deduct	*-9.52*
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	62.98
		For Up To 20, Add	*27.40*
		For >20 To 50, Add	*15.18*
		For >50 To 100, Add	*6.11*
		For >500 To 1,000, Deduct	*-6.11*
		For >1,000, Deduct	*-10.74*
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	10.49
		For Up To 100, Add	*4.56*
		For >100 To 250, Add	*2.53*
		For >250 To 500, Add	*1.02*
		For >2,500 To 5,000, Deduct	*-1.02*
		For >5,000, Deduct	*-1.79*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	26.83	
		For Up To 20, Add	*12.38*	
		For >20 To 50, Add	*6.89*	
		For >50 To 100, Add	*2.74*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-4.79*	
32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	33.12	
		For Up To 20, Add	*15.18*	
		For >20 To 50, Add	*8.45*	
		For >50 To 100, Add	*3.37*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-5.88*	
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	38.92	
		For Up To 20, Add	*17.64*	
		For >20 To 50, Add	*9.81*	
		For >50 To 100, Add	*3.92*	
		For >500 To 1,000, Deduct	*-3.92*	
		For >1,000, Deduct	*-6.85*	
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	44.91	
		For Up To 20, Add	*20.24*	
		For >20 To 50, Add	*11.24*	
		For >50 To 100, Add	*4.50*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000, Deduct	*-7.87*	
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	50.89	
		For Up To 20, Add	*22.82*	
		For >20 To 50, Add	*12.68*	
		For >50 To 100, Add	*5.07*	
		For >500 To 1,000, Deduct	*-5.07*	
		For >1,000, Deduct	*-8.88*	
32 16 13 19-0015	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	60.45	
		For Up To 20, Add	*26.32*	
		For >20 To 50, Add	*14.58*	
		For >50 To 100, Add	*5.87*	
		For >500 To 1,000, Deduct	*-5.87*	
		For >1,000, Deduct	*-10.31*	
32 16 13 19-0016	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	69.65	
		For Up To 20, Add	*29.56*	
		For >20 To 50, Add	*16.34*	
		For >50 To 100, Add	*6.61*	
		For >500 To 1,000, Deduct	*-6.61*	
		For >1,000, Deduct	*-11.65*	
32 16 13 19-0017	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	11.61	
		For Up To 100, Add	*4.93*	
		For >100 To 250, Add	*2.72*	
		For >250 To 500, Add	*1.10*	
		For >2,500 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.94*	
32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	27.06	
		For Up To 20, Add	*12.80*	
		For >20 To 50, Add	*7.14*	
		For >50 To 100, Add	*2.83*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-4.92*	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	33.18	
		For Up To 20, Add	*15.54*	
		For >20 To 50, Add	*8.66*	
		For >50 To 100, Add	*3.44*	
		For >500 To 1,000, Deduct	*-3.44*	
		For >1,000, Deduct	*-5.99*	
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.19	
		For Up To 20, Add	*18.21*	
		For >20 To 50, Add	*10.14*	
		For >50 To 100, Add	*4.03*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-7.03*	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	45.20	
		For Up To 20, Add	*20.89*	
		For >20 To 50, Add	*11.63*	
		For >50 To 100, Add	*4.63*	
		For >500 To 1,000, Deduct	*-4.63*	
		For >1,000, Deduct	*-8.07*	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	51.23	
		For Up To 20, Add	*23.57*	
		For >20 To 50, Add	*13.12*	
		For >50 To 100, Add	*5.23*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-9.12*	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	60.69	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	69.78	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	11.63	
		For Up To 100, Add	*5.07*	
		For >100 To 250, Add	*2.81*	
		For >250 To 500, Add	*1.13*	
		For >2,500 To 5,000, Deduct	*-1.13*	
		For >5,000, Deduct	*-1.99*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 23		**Precast Concrete Curbs and Gutters** *(32 16 13)*		
32 16 13 23-0001		Precast Concrete Curb *(32 16 13 23)*		
32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	46.11	11.22
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	54.92	12.90
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	48.81	11.22
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	58.49	12.90
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	50.04	11.22
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	59.92	12.90
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	53.11	11.22
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	63.81	12.90
32 16 13 33		**Asphalt Curbs** *(32 16 13)*		
32 16 13 33-0001		Asphalt Curbs *(32 16 13 33)*		
32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.93	5.97
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	15.64	6.64
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	17.23	7.30
32 16 13 43		**Stone Curbs** *(32 16 13)*		
32 16 13 43-0001		Granite Curbs *(32 16 13 43)*		
32 16 13 43-0002		Split Face Granite Curbs *(32 16 13 43-0001)*		
32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section	38.42	10.74
		For Up To 20, Add	*14.86*	
		For >20 To 50, Add	*8.15*	
		For >50 To 100, Add	*3.36*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-6.00*	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section	45.76	11.74
		For Up To 20, Add	*16.96*	
		For >20 To 50, Add	*9.26*	
		For >50 To 100, Add	*3.85*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-6.92*	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section	50.61	12.61
		For Up To 20, Add	*18.52*	
		For >20 To 50, Add	*10.10*	
		For >50 To 100, Add	*4.21*	
		For >500 To 1,000, Deduct	*-4.21*	
		For >1,000, Deduct	*-7.58*	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section	60.36	13.62
		For Up To 20, Add	*21.09*	
		For >20 To 50, Add	*11.45*	
		For >50 To 100, Add	*4.82*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-8.74*	
32 16 13 43-0007	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section	47.89	11.74
		For Up To 20, Add	*17.35*	
		For >20 To 50, Add	*9.45*	
		For >50 To 100, Add	*3.95*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-7.12*	
32 16 13 43-0008	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section	55.22	12.61
		For Up To 20, Add	*19.44*	
		For >20 To 50, Add	*10.56*	
		For >50 To 100, Add	*4.44*	
		For >500 To 1,000, Deduct	*-4.44*	
		For >1,000, Deduct	*-8.04*	
32 16 13 43-0009	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section	60.14	13.62
		For Up To 20, Add	*21.04*	
		For >20 To 50, Add	*11.42*	
		For >50 To 100, Add	*4.81*	
		For >500 To 1,000, Deduct	*-4.81*	
		For >1,000, Deduct	*-8.72*	
32 16 13 43-0010	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section	69.89	14.49
		For Up To 20, Add	*23.62*	
		For >20 To 50, Add	*12.77*	
		For >50 To 100, Add	*5.42*	
		For >500 To 1,000, Deduct	*-5.42*	
		For >1,000, Deduct	*-9.88*	
32 16 13 43-0011		Sawn Face Granite Curbs *(32 16 13 43-0001)*		
32 16 13 43-0012	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section	38.42	10.74
		For Up To 20, Add	*14.86*	
		For >20 To 50, Add	*8.15*	
		For >50 To 100, Add	*3.36*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0013	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section	45.76	11.74
		For Up To 20, Add	*16.96*	
		For >20 To 50, Add	*9.26*	
		For >50 To 100, Add	*3.85*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-6.92*	
32 16 13 43-0014	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section	50.69	12.61
		For Up To 20, Add	*18.57*	
		For >20 To 50, Add	*10.13*	
		For >50 To 100, Add	*4.22*	
		For >500 To 1,000, Deduct	*-4.22*	
		For >1,000, Deduct	*-7.60*	
32 16 13 43-0015	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section	60.44	13.62
		For Up To 20, Add	*21.14*	
		For >20 To 50, Add	*11.48*	
		For >50 To 100, Add	*4.83*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000, Deduct	*-8.76*	
32 16 13 43-0016	LF	4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section	54.69	11.74
		For Up To 20, Add	*18.75*	
		For >20 To 50, Add	*10.16*	
		For >50 To 100, Add	*4.30*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-7.81*	
32 16 13 43-0017	LF	6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section	65.77	12.61
		For Up To 20, Add	*21.59*	
		For >20 To 50, Add	*11.64*	
		For >50 To 100, Add	*4.98*	
		For >500 To 1,000, Deduct	*-4.98*	
		For >1,000, Deduct	*-9.11*	
32 16 13 43-0018	LF	4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section	72.98	13.62
		For Up To 20, Add	*23.65*	
		For >20 To 50, Add	*12.73*	
		For >50 To 100, Add	*5.46*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000, Deduct	*-10.01*	
32 16 13 43-0019	LF	6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section	88.05	14.49
		For Up To 20, Add	*27.30*	
		For >20 To 50, Add	*14.62*	
		For >50 To 100, Add	*6.34*	
		For >500 To 1,000, Deduct	*-6.34*	
		For >1,000, Deduct	*-11.71*	

32 16 13 43-0020 Granite Base And Curbs *(32 16 13 43-0001)*

32 16 13 43-0021	LF	4" High Granite Base	42.41	13.59
		For Up To 20, Add	*17.51*	
		For >20 To 50, Add	*9.66*	
		For >50 To 100, Add	*3.93*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000, Deduct	*-6.95*	
32 16 13 43-0022	LF	6" High Granite Base	49.15	17.80
		For Up To 20, Add	*21.68*	
		For >20 To 50, Add	*12.03*	
		For >50 To 100, Add	*4.83*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000, Deduct	*-8.47*	

32 16 13 43-0023 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0024	LF	Removal And Resetting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	41.23

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	10.12
		For Up To 100, Add	*4.39*
		For >100 To 500, Add	*1.25*
		For >2,000 To 5,000, Deduct	*-0.56*
		For >5,000 To 10,000, Deduct	*-1.25*
		For >10,000 To 20,000, Deduct	*-1.69*
		For >20,000, Deduct	*-2.13*
		For 3,500 PSI Concrete, Add	*0.12*
		For 4,000 PSI Concrete, Add	*0.22*
		For 4,500 PSI Concrete, Add	*0.25*
		For Welded Wire Reinforcement, Add	*0.91*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.99	
		For Up To 100, Add	*4.68*	
		For >100 To 500, Add	*1.32*	
		For >2,000 To 5,000, Deduct	*-0.58*	
		For >5,000 To 10,000, Deduct	*-1.32*	
		For >10,000 To 20,000, Deduct	*-1.79*	
		For >20,000, Deduct	*-2.26*	
		For 3,500 PSI Concrete, Add	*0.15*	
		For 4,000 PSI Concrete, Add	*0.26*	
		For 4,500 PSI Concrete, Add	*0.31*	
		For Welded Wire Reinforcement, Add	*0.91*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	11.86	
		For Up To 100, Add	*4.96*	
		For >100 To 500, Add	*1.39*	
		For >2,000 To 5,000, Deduct	*-0.60*	
		For >5,000 To 10,000, Deduct	*-1.39*	
		For >10,000 To 20,000, Deduct	*-1.89*	
		For >20,000, Deduct	*-2.38*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.31*	
		For 4,500 PSI Concrete, Add	*0.36*	
		For Welded Wire Reinforcement, Add	*0.91*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	13.78	
		For Up To 100, Add	*5.71*	
		For >100 To 500, Add	*1.59*	
		For >2,000 To 5,000, Deduct	*-0.68*	
		For >5,000 To 10,000, Deduct	*-1.59*	
		For >10,000 To 20,000, Deduct	*-2.16*	
		For >20,000, Deduct	*-2.73*	
		For 3,500 PSI Concrete, Add	*0.22*	
		For 4,000 PSI Concrete, Add	*0.38*	
		For 4,500 PSI Concrete, Add	*0.44*	
		For Welded Wire Reinforcement, Add	*0.91*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	14.54	
		For Up To 100, Add	*5.94*	
		For >100 To 500, Add	*1.65*	
		For >2,000 To 5,000, Deduct	*-0.69*	
		For >5,000 To 10,000, Deduct	*-1.65*	
		For >10,000 To 20,000, Deduct	*-2.24*	
		For >20,000, Deduct	*-2.84*	
		For 3,500 PSI Concrete, Add	*0.25*	
		For 4,000 PSI Concrete, Add	*0.43*	
		For 4,500 PSI Concrete, Add	*0.50*	
		For Welded Wire Reinforcement, Add	*0.91*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.88	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	172.72	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.88	

32 16 23 00-0010 Cast In Place Concrete Sidewalk With Fiber Mesh *(32 16 23)*

Note: Includes finish grading, delivered concrete by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, and base compaction. For reinforcing bar, use the modifier "For sidewalk without fiber mesh" and add reinforcing bar. See CSI section 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SF	4" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	10.94	
		For Up To 100, Add	*4.72*	
		For >100 To 500, Add	*1.34*	
		For >2,000 To 5,000, Deduct	*-0.60*	
		For >5,000 To 10,000, Deduct	*-1.34*	
		For >10,000 To 20,000, Deduct	*-1.81*	
		For >20,000, Deduct	*-2.29*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.24*	
		For 4,500 PSI Concrete, Add	*0.28*	
32 16 23 00-0012	SF	5" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	12.21	
		For Up To 100, Add	*5.26*	
		For >100 To 500, Add	*1.49*	
		For >2,000 To 5,000, Deduct	*-0.66*	
		For >5,000 To 10,000, Deduct	*-1.49*	
		For >10,000 To 20,000, Deduct	*-2.02*	
		For >20,000, Deduct	*-2.55*	
		For 3,500 PSI Concrete, Add	*0.16*	
		For 4,000 PSI Concrete, Add	*0.27*	
		For 4,500 PSI Concrete, Add	*0.31*	
32 16 23 00-0013	SF	6" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	13.95	
		For Up To 100, Add	*5.90*	
		For >100 To 500, Add	*1.66*	
		For >2,000 To 5,000, Deduct	*-0.72*	
		For >5,000 To 10,000, Deduct	*-1.66*	
		For >10,000 To 20,000, Deduct	*-2.25*	
		For >20,000, Deduct	*-2.84*	
		For 3,500 PSI Concrete, Add	*0.20*	
		For 4,000 PSI Concrete, Add	*0.34*	
		For 4,500 PSI Concrete, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0014	SF	7" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	16.14	
		For Up To 100, Add	*6.69*	
		For >100 To 500, Add	*1.87*	
		For >2,000 To 5,000, Deduct	*-0.80*	
		For >5,000 To 10,000, Deduct	*-1.87*	
		For >10,000 To 20,000, Deduct	*-2.54*	
		For >20,000, Deduct	*-3.20*	
		For 3,500 PSI Concrete, Add	*0.25*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.52*	
32 16 23 00-0015	SF	8" Thick, 3,000 PSI, Cast In Place Concrete Sidewalk With Fiber Mesh	17.50	
		For Up To 100, Add	*7.21*	
		For >100 To 500, Add	*2.01*	
		For >2,000 To 5,000, Deduct	*-0.85*	
		For >5,000 To 10,000, Deduct	*-2.01*	
		For >10,000 To 20,000, Deduct	*-2.73*	
		For >20,000, Deduct	*-3.45*	
		For 3,500 PSI Concrete, Add	*0.28*	
		For 4,000 PSI Concrete, Add	*0.49*	
		For 4,500 PSI Concrete, Add	*0.57*	
32 16 23 00-0016	SF	For Exposed Aggregate Finish In Sidewalk With Fiber Mesh	2.88	
32 16 23 00-0017	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.88	
32 16 23 00-0018	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	172.72	

32 16 23 00-0019 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0020	SY	1" Bituminous Sidewalk	9.28	
		For Up To 100, Add	*3.64*	
		For >100 To 500, Add	*0.99*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.99*	
32 16 23 00-0021	SY	1-1/2" Bituminous Sidewalk	11.58	
		For Up To 100, Add	*4.47*	
		For >100 To 500, Add	*1.21*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-1.21*	
32 16 23 00-0022	SY	2" Bituminous Sidewalk	15.85	
		For Up To 100, Add	*5.92*	
		For >100 To 500, Add	*1.58*	
		For >1,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-1.58*	
32 16 23 00-0023	SY	2-1/2" Bituminous Sidewalk	19.79	
		For Up To 100, Add	*7.37*	
		For >100 To 500, Add	*1.96*	
		For >1,000 To 5,000, Deduct	*-0.97*	
		For >5,000, Deduct	*-1.96*	
32 16 23 00-0024	SY	3" Bituminous Sidewalk	22.62	
		For Up To 100, Add	*8.28*	
		For >100 To 500, Add	*2.18*	
		For >1,000 To 5,000, Deduct	*-1.05*	
		For >5,000, Deduct	*-2.18*	
32 16 23 00-0025	SY	3-1/2" Bituminous Sidewalk	26.00	
		For Up To 100, Add	*9.39*	
		For >100 To 500, Add	*2.46*	
		For >1,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-2.46*	

32 16 43 Asphalt Dike *(32 16)*

32 16 43 00-0001 Asphalt Dike *(32 16 43)*

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.01
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	9.51
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	9.51
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	13.47
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	15.92
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.90
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.81
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.17
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	7.01
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.90
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	15.17
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.81
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.67

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	220.89	7.97
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	250.52	7.97

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	77.92	24.01
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	89.00	24.01
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	92.65	24.01
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	97.05	24.01
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	90.51	24.01
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	114.77	24.01
32 17 13 19-0007	EA	Removal And Relocation Of Precast Concrete Wheel Stop	38.42	
32 17 13 19-0008	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	24.98	

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	33.88	7.97
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	39.44	7.97
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	41.66	7.97
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	45.00	7.97

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.94	1.92
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	14.18	1.92

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	72.17
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	63.04
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	59.17
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	69.06
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	60.74
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	57.32
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	65.97
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	58.92
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.77

32 17 16 00-0011 Asphalt Speed Table *(32 17 16)*

Note: Excludes pavement markings or reflectors.

32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	40.31
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	47.46
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	50.60
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	59.58
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	62.39
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	69.53

32 17 16 00-0018 Concrete Speed Table *(32 17 16)*

32 17 16 00-0019	SF	Concrete Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	15.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0020		**Speed Bumps** *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0021	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	34.07	2.11
32 17 16 00-0022	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	33.37	1.41
32 17 16 00-0023	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	158.08	1.41

32 17 23 Pavement Markings *(32 17)*

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

32 17 23 13 Painted Pavement Markings *(32 17 23)*

32 17 23 13-0001 **Painted Pavement Striping, Letters, Symbols And Markers for Roads** *(32 17 23 13)*
Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.

32 17 23 13-0002 **Painted Epoxy Reflective Pavement Marking** *(32 17 23 13-0001)*
Note: 15 mil thickness.

32 17 23 13-0003	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.62
		For 20 Mil Thickness, Add	*0.13*
		For Up To 5,000 LF, Add	*0.12*
		For >25,000 LF, Deduct	*-0.09*
		For Broken Line, Deduct	*-0.27*
32 17 23 13-0004	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.85
		For 20 Mil Thickness, Add	*0.20*
		For Up To 5,000 LF, Add	*0.17*
		For >25,000 LF, Deduct	*-0.13*
		For Broken Line, Deduct	*-0.41*
32 17 23 13-0005	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	1.03
		For 20 Mil Thickness, Add	*0.23*
		For Up To 5,000 LF, Add	*0.21*
		For >25,000 LF, Deduct	*-0.15*
		For Broken Line, Deduct	*-0.48*
32 17 23 13-0006	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.56
		For 20 Mil Thickness, Add	*0.38*
		For Up To 5,000 LF, Add	*0.31*
		For >25,000 LF, Deduct	*-0.23*
		For Broken Line, Deduct	*-0.79*
32 17 23 13-0007	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.96
		For 20 Mil Thickness, Add	*0.25*
		For Up To 5,000 LF, Add	*0.19*
		For >25,000 LF, Deduct	*-0.14*
		For Broken Line On One Side, Deduct	*-0.26*
		For Double Broken Line, Deduct	*-0.53*
32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.37
		For 20 Mil Thickness, Add	*0.37*
		For Up To 5,000 LF, Add	*0.27*
		For >25,000 LF, Deduct	*-0.21*
		For Broken Line On One Side, Deduct	*-0.40*
		For Double Broken Line, Deduct	*-0.80*
32 17 23 13-0009	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	7.70
		For 20 Mil Thickness, Add	*0.95*
32 17 23 13-0010	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	4.71
		For 20 Mil Thickness, Add	*0.46*
		For <10, Add	*0.59*
		For >50 To 100, Deduct	*-0.29*
		For >100 To 200, Deduct	*-0.39*
		For >200, Deduct	*-0.78*
32 17 23 13-0011	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	8.79
		For 20 Mil Thickness, Add	*1.26*
		For <10, Add	*0.89*
		For >50 To 100, Deduct	*-0.44*
		For >100 To 200, Deduct	*-0.59*
		For >200, Deduct	*-1.18*
32 17 23 13-0012	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	14.86
		For 20 Mil Thickness, Add	*2.17*
		For <10, Add	*1.47*
		For >50 To 100, Deduct	*-0.74*
		For >100 To 200, Deduct	*-0.98*
		For >200, Deduct	*-1.96*
32 17 23 13-0013	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	28.49
		For 20 Mil Thickness, Add	*3.93*
		For <10, Add	*2.94*
		For >50 To 100, Deduct	*-1.47*
		For >100 To 200, Deduct	*-1.96*
		For >200, Deduct	*-3.93*
32 17 23 13-0014	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	33.53
		For 20 Mil Thickness, Add	*4.94*
		For <10, Add	*3.30*
		For >50 To 100, Deduct	*-1.65*
		For >100 To 200, Deduct	*-2.20*
		For >200, Deduct	*-4.40*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0015	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	60.20	
		For 20 Mil Thickness, Add	*8.97*	
		For <10, Add	*5.88*	
		For >50 To 100, Deduct	*-2.94*	
		For >100 To 200, Deduct	*-3.92*	
		For >200, Deduct	*-7.83*	
32 17 23 13-0016	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	80.28	
		For 20 Mil Thickness, Add	*11.86*	
		For <10, Add	*7.89*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-5.26*	
		For >200, Deduct	*-10.52*	
32 17 23 13-0017	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	126.96	
		For 20 Mil Thickness, Add	*23.85*	
		For <10, Add	*9.78*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-6.52*	
		For >200, Deduct	*-13.04*	
32 17 23 13-0018	SF	Letter/Number, Epoxy Reflective Pavement Marking	7.90	
		For 20 Mil Thickness, Add	*0.96*	
32 17 23 13-0019	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.90	
		For 20 Mil Thickness, Add	*1.06*	
32 17 23 13-0020	EA	Bike Lane Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	101.89	
		For 20 Mil Thickness, Add	*23.16*	
32 17 23 13-0021	EA	Railroad Crossing Symbol, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	414.13	
		For 20 Mil Thickness, Add	*111.03*	
32 17 23 13-0022	EA	Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	117.01	
		For 20 Mil Thickness, Add	*26.17*	
32 17 23 13-0023	EA	Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	122.35	
		For 20 Mil Thickness, Add	*25.88*	
32 17 23 13-0024	EA	Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	148.25	
		For 20 Mil Thickness, Add	*34.51*	
32 17 23 13-0025	EA	Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	231.59	
		For 20 Mil Thickness, Add	*61.26*	
32 17 23 13-0026	EA	Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	237.57	
		For 20 Mil Thickness, Add	*63.25*	
32 17 23 13-0027	EA	Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	327.15	
		For 20 Mil Thickness, Add	*92.57*	
32 17 23 13-0028	EA	Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	101.64	
		For 20 Mil Thickness, Add	*16.33*	
32 17 23 13-0029	EA	Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	133.68	
		For 20 Mil Thickness, Add	*27.01*	
32 17 23 13-0030	EA	Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	168.42	
		For 20 Mil Thickness, Add	*37.24*	
32 17 23 13-0031	EA	Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	172.41	
		For 20 Mil Thickness, Add	*38.57*	
32 17 23 13-0032	EA	Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	288.77	
		For 20 Mil Thickness, Add	*76.54*	
32 17 23 13-0033	EA	Lane-Reduction Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	255.64	
		For 20 Mil Thickness, Add	*67.66*	
32 17 23 13-0034	EA	Wrong-Way Arrow, Epoxy Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	237.78	
		For 20 Mil Thickness, Add	*62.78*	

32 17 23 13-0035 Painted Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 15 mil thickness.

32 17 23 13-0036	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping	0.39	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0037	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.14*	
32 17 23 13-0038	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping	0.62	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0039	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping	0.86	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line, Deduct	*-0.26*	
32 17 23 13-0040	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.57	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.09*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0041	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.87	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.27*	
32 17 23 13-0042	SF	Solid Area, Painted Reflective Pavement Striping Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.06	
32 17 23 13-0043	EA	6" High, Letter/Number, Painted Reflective Pavement Marking	4.43	
		For <10, Add	*0.59*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 200, Deduct	*-0.39*	
		For >200, Deduct	*-0.78*	
32 17 23 13-0044	EA	12" High, Letter/Number, Painted Reflective Pavement Marking	7.78	
		For <10, Add	*0.89*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 200, Deduct	*-0.59*	
		For >200, Deduct	*-1.18*	
32 17 23 13-0045	EA	24" High, Letter/Number, Painted Reflective Pavement Marking	13.10	
		For <10, Add	*1.47*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 200, Deduct	*-0.98*	
		For >200, Deduct	*-1.96*	
32 17 23 13-0046	EA	36" High, Letter/Number, Painted Reflective Pavement Marking	25.39	
		For <10, Add	*2.94*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 200, Deduct	*-1.96*	
		For >200, Deduct	*-3.93*	
32 17 23 13-0047	EA	48" High, Letter/Number, Painted Reflective Pavement Marking	29.51	
		For <10, Add	*3.30*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 200, Deduct	*-2.20*	
		For >200, Deduct	*-4.40*	
32 17 23 13-0048	EA	72" High, Letter/Number, Painted Reflective Pavement Marking	52.85	
		For <10, Add	*5.88*	
		For >50 To 100, Deduct	*-2.94*	
		For >100 To 200, Deduct	*-3.92*	
		For >200, Deduct	*-7.83*	
32 17 23 13-0049	EA	96" High, Letter/Number, Painted Reflective Pavement Marking	70.59	
		For <10, Add	*7.89*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-5.26*	
		For >200, Deduct	*-10.52*	
32 17 23 13-0050	EA	120" High, Letter/Number, Painted Reflective Pavement Marking	105.34	
		For <10, Add	*9.78*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-6.52*	
		For >200, Deduct	*-13.04*	
32 17 23 13-0051	SF	Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	7.21	
32 17 23 13-0052	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.	8.54	
32 17 23 13-0053	EA	Bike Lane Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	79.58	
32 17 23 13-0054	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	302.59	
32 17 23 13-0055	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	91.91	
32 17 23 13-0056	EA	Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 10' height.	97.95	
32 17 23 13-0057	EA	Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 8' height.	114.79	
32 17 23 13-0058	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 11' width x 8' height.	170.25	
32 17 23 13-0059	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 7' width x 13' height.	174.13	
32 17 23 13-0060	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 9' width x 15' height.	233.04	
32 17 23 13-0061	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	87.75	
32 17 23 13-0062	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3' width x 12' height.	108.58	
32 17 23 13-0063	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 12' height.	152.21	
32 17 23 13-0064	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	157.39	
32 17 23 13-0065	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 3-1/2' width x 20' height.	212.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0066	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 5-1/2' width x 18' height.	190.21	
32 17 23 13-0067	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 6' width x 24' height.	244.70	

32 17 23 13-0068 Painted Thermoplastic Reflective Pavement Marking *(32 17 23 13-0001)*

Note: 40 mil thickness.

32 17 23 13-0069	LF	Single 4" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	0.99	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For Broken Line, Deduct	*-0.55*	
		For 30 mils Thick, Deduct	*-0.18*	
		For 45 mils Thick, Add	*0.09*	
		For Enhanced Wet-Night Visibility, Add	*0.06*	
32 17 23 13-0070	LF	Single 6" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.37	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.21*	
		For Broken Line, Deduct	*-0.80*	
		For 30 mils Thick, Deduct	*-0.27*	
		For 45 mils Thick, Add	*0.13*	
		For Enhanced Wet-Night Visibility, Add	*0.09*	
32 17 23 13-0071	LF	Single 8" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.85	
		For Up To 5,000 LF, Add	*0.37*	
		For >25,000 LF, Deduct	*-0.28*	
		For Broken Line, Deduct	*-1.10*	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.18*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0072	LF	Single 12" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.69	
		For Up To 5,000 LF, Add	*0.54*	
		For >25,000 LF, Deduct	*-0.40*	
		For Broken Line, Deduct	*-1.64*	
		For 30 mils Thick, Deduct	*-0.55*	
		For 45 mils Thick, Add	*0.27*	
		For Enhanced Wet-Night Visibility, Add	*0.18*	
32 17 23 13-0073	LF	Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.79	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
		For Broken Line On One Side, Deduct	*-0.55*	
		For Double Broken Line, Deduct	*-1.10*	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.18*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0074	LF	Double 6" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.69	
		For Up To 5,000 LF, Add	*0.54*	
		For >25,000 LF, Deduct	*-0.40*	
		For Broken Line On One Side, Deduct	*-0.82*	
		For Double Broken Line, Deduct	*-1.64*	
		For 30 mils Thick, Deduct	*-0.55*	
		For 45 mils Thick, Add	*0.27*	
		For Enhanced Wet-Night Visibility, Add	*0.18*	
32 17 23 13-0075	SF	Solid Area, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	7.89	
		For 30 mils Thick, Deduct	*-0.55*	
		For 45 mils Thick, Add	*0.27*	
		For Enhanced Wet-Night Visibility, Add	*0.18*	
32 17 23 13-0076	EA	6" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	5.16	
		For Up To 10, Add	*0.59*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 200, Deduct	*-0.39*	
		For >200, Deduct	*-0.78*	
		For 30 mils Thick, Deduct	*-0.31*	
		For 45 mils Thick, Add	*0.16*	
		For Enhanced Wet-Night Visibility, Add	*0.10*	
32 17 23 13-0077	EA	12" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	10.42	
		For Up To 10, Add	*0.89*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 200, Deduct	*-0.59*	
		For >200, Deduct	*-1.18*	
		For 30 mils Thick, Deduct	*-1.13*	
		For 45 mils Thick, Add	*0.56*	
		For Enhanced Wet-Night Visibility, Add	*0.37*	
32 17 23 13-0078	EA	24" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	17.71	
		For Up To 10, Add	*1.47*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 200, Deduct	*-0.98*	
		For >200, Deduct	*-1.96*	
		For 30 mils Thick, Deduct	*-1.97*	
		For 45 mils Thick, Add	*0.99*	
		For Enhanced Wet-Night Visibility, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0079	EA	36" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	33.50	
		For Up To 10, Add	*2.94*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 200, Deduct	*-1.96*	
		For >200, Deduct	*-3.93*	
		For 30 mils Thick, Deduct	*-3.47*	
		For 45 mils Thick, Add	*1.73*	
		For Enhanced Wet-Night Visibility, Add	*1.14*	
32 17 23 13-0080	EA	48" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	40.05	
		For Up To 10, Add	*3.30*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 200, Deduct	*-2.20*	
		For >200, Deduct	*-4.40*	
		For 30 mils Thick, Deduct	*-4.51*	
		For 45 mils Thick, Add	*2.25*	
		For Enhanced Wet-Night Visibility, Add	*1.49*	
32 17 23 13-0081	EA	72" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	72.10	
		For Up To 10, Add	*5.88*	
		For >50 To 100, Deduct	*-2.94*	
		For >100 To 200, Deduct	*-3.92*	
		For >200, Deduct	*-7.83*	
		For 30 mils Thick, Deduct	*-8.23*	
		For 45 mils Thick, Add	*4.12*	
		For Enhanced Wet-Night Visibility, Add	*2.72*	
32 17 23 13-0082	EA	96" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	95.93	
		For Up To 10, Add	*7.89*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-5.26*	
		For >200, Deduct	*-10.52*	
		For 30 mils Thick, Deduct	*-10.83*	
		For 45 mils Thick, Add	*5.42*	
		For Enhanced Wet-Night Visibility, Add	*3.57*	
32 17 23 13-0083	EA	120" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	161.90	
		For Up To 10, Add	*9.78*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-6.52*	
		For >200, Deduct	*-13.04*	
		For 30 mils Thick, Deduct	*-24.18*	
		For 45 mils Thick, Add	*12.09*	
		For Enhanced Wet-Night Visibility, Add	*7.98*	
32 17 23 13-0084	SF	Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	9.03	
		For 30 mils Thick, Deduct	*-0.78*	
		For 45 mils Thick, Add	*0.39*	
		For Enhanced Wet-Night Visibility, Add	*0.26*	
32 17 23 13-0085	SF	Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	11.03	
		For 30 mils Thick, Deduct	*-0.78*	
		For 45 mils Thick, Add	*0.39*	
		For Enhanced Wet-Night Visibility, Add	*0.26*	

32 17 23 13-0086 Painted Thermoplastic Reflective Pavement Marking (CALTRANS) *(32 17 23 13-0001)*

Note: 40 mil thickness.

32 17 23 13-0087	LF	CALTRANS Detail 1 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0088	LF	CALTRANS Detail 2 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0089	LF	CALTRANS Detail 5 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.39	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0090	LF	CALTRANS Detail 6 Centerline, Painted Thermoplastic Reflective Pavement Striping	0.58	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0091	LF	CALTRANS Detail 8 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0092	LF	CALTRANS Detail 9 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.60	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0093	LF	CALTRANS Detail 11 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.39	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0094	LF	CALTRANS Detail 12 Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.58	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0095	LF	CALTRANS Detail 14A Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.58	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0096	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.93	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
		For Broken Line On One Side, Deduct	*-0.25*	
		For Double Broken Line, Deduct	*-0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0097	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	1.68	
		For Up To 5,000 LF, Add	*0.34*	
		For >25,000 LF, Deduct	*-0.25*	
32 17 23 13-0098	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	0.91	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.14*	
		For Broken Line On One Side, Deduct	*-0.24*	
		For Double Broken Line, Deduct	*-0.49*	
32 17 23 13-0099	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	1.47	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0100	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	1.30	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.20*	
		For Broken Line On One Side, Deduct	*-0.39*	
		For Double Broken Line, Deduct	*-0.78*	
32 17 23 13-0101	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Thermoplastic Reflective Pavement Striping	2.05	
		For Up To 5,000 LF, Add	*0.41*	
		For >25,000 LF, Deduct	*-0.31*	
32 17 23 13-0102	LF	CALTRANS Detail 24 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0103	LF	CALTRANS Detail 25 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.97	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0104	LF	CALTRANS Detail 25A Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	1.16	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0105	LF	CALTRANS Detail 27 Left Edgelines, Painted Thermoplastic Reflective Pavement Striping	1.49	
		For Up To 5,000 LF, Add	*0.30*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0106	LF	CALTRANS Detail 27B Right Edgelines, Painted Thermoplastic Reflective Pavement Striping	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0107	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.36	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0108	LF	CALTRANS Detail 28 Median Islands, Painted Thermoplastic Reflective Pavement Striping	0.86	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.13*	
		For Double Broken Line, Deduct	*-0.26*	
32 17 23 13-0109	LF	CALTRANS Detail 29 Median Islands, Painted Thermoplastic Reflective Pavement Striping	3.35	
		For Up To 5,000 LF, Add	*0.67*	
		For >25,000 LF, Deduct	*-0.50*	
32 17 23 13-0110	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping	1.81	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
		For Broken Line On One Side, Deduct	*-0.49*	
		For Double Broken Line, Deduct	*-0.98*	
32 17 23 13-0111	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Thermoplastic Reflective Pavement Striping	2.76	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.41*	
32 17 23 13-0112	LF	CALTRANS Detail 34 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	1.47	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
32 17 23 13-0113	LF	CALTRANS Detail 35 Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	1.71	
		For Up To 5,000 LF, Add	*0.34*	
		For >25,000 LF, Deduct	*-0.26*	
32 17 23 13-0114	LF	CALTRANS Detail 35A Intersection Treatments, Painted Thermoplastic Reflective Pavement Striping	0.93	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
32 17 23 13-0115	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Thermoplastic Reflective Pavement Striping	3.55	
		For Up To 5,000 LF, Add	*0.71*	
		For >25,000 LF, Deduct	*-0.53*	
32 17 23 13-0116	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Thermoplastic Reflective Pavement Striping	2.03	
		For Up To 5,000 LF, Add	*0.41*	
		For >25,000 LF, Deduct	*-0.30*	
32 17 23 13-0117	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Thermoplastic Reflective Pavement Striping	2.54	
		For Up To 5,000 LF, Add	*0.51*	
		For >25,000 LF, Deduct	*-0.38*	
32 17 23 13-0118	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Thermoplastic Reflective Pavement Striping	1.36	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.20*	
32 17 23 13-0119	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Thermoplastic Reflective Pavement Striping	1.36	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0120	LF	CALTRANS Detail 38 Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	1.93	
		For Up To 5,000 LF, Add	*0.39*	
		For >25,000 LF, Deduct	*-0.29*	
32 17 23 13-0121	LF	CALTRANS Detail 38A Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	1.55	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.23*	
32 17 23 13-0122	LF	CALTRANS Detail 38B Channelizing Line, Painted Thermoplastic Reflective Pavement Striping	2.31	
		For Up To 5,000 LF, Add	*0.46*	
		For >25,000 LF, Deduct	*-0.35*	
32 17 23 13-0123	LF	CALTRANS Detail 39 Bike Lane Line, Painted Thermoplastic Reflective Pavement Striping	1.06	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0124	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Thermoplastic Reflective Pavement Striping	0.56	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0125	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.33	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0126	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Thermoplastic Reflective Pavement Striping	0.33	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0127	EA	CALTRANS 10' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking	130.31	
		For <10, Add	*14.29*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 200, Deduct	*-9.53*	
		For >200, Deduct	*-19.06*	
32 17 23 13-0128	EA	CALTRANS 18' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking	229.31	
		For <10, Add	*25.02*	
		For >50 To 100, Deduct	*-12.51*	
		For >100 To 200, Deduct	*-16.68*	
		For >200, Deduct	*-33.35*	
32 17 23 13-0129	EA	CALTRANS 24' Arrow, Type I, Painted Thermoplastic Reflective Pavement Marking	287.20	
		For <10, Add	*31.45*	
		For >50 To 100, Deduct	*-15.72*	
		For >100 To 200, Deduct	*-20.97*	
		For >200, Deduct	*-41.93*	
32 17 23 13-0130	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Thermoplastic Reflective Pavement Marking	417.52	
		For <10, Add	*45.74*	
		For >50 To 100, Deduct	*-22.87*	
		For >100 To 200, Deduct	*-30.50*	
		For >200, Deduct	*-60.99*	
32 17 23 13-0131	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Thermoplastic Reflective Pavement Marking	498.74	
		For <10, Add	*60.04*	
		For >50 To 100, Deduct	*-30.02*	
		For >100 To 200, Deduct	*-40.03*	
		For >200, Deduct	*-80.05*	
32 17 23 13-0132	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Thermoplastic Reflective Pavement Marking	386.19	
		For <10, Add	*42.17*	
		For >50 To 100, Deduct	*-21.08*	
		For >100 To 200, Deduct	*-28.11*	
		For >200, Deduct	*-56.23*	
32 17 23 13-0133	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Thermoplastic Reflective Pavement Marking	673.39	
		For <10, Add	*73.62*	
		For >50 To 100, Deduct	*-36.81*	
		For >100 To 200, Deduct	*-49.08*	
		For >200, Deduct	*-98.16*	
32 17 23 13-0134	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Thermoplastic Reflective Pavement Marking	137.59	
		For <10, Add	*15.01*	
		For >50 To 100, Deduct	*-7.51*	
		For >100 To 200, Deduct	*-10.01*	
		For >200, Deduct	*-20.01*	
32 17 23 13-0135	EA	CALTRANS 24' Arrow, Type V, Painted Thermoplastic Reflective Pavement Marking	301.74	
		For <10, Add	*32.88*	
		For >50 To 100, Deduct	*-16.44*	
		For >100 To 200, Deduct	*-21.92*	
		For >200, Deduct	*-43.84*	
32 17 23 13-0136	EA	CALTRANS 18' Arrow, Type VI, Painted Thermoplastic Reflective Pavement Marking	386.19	
		For <10, Add	*42.17*	
		For >50 To 100, Deduct	*-21.08*	
		For >100 To 200, Deduct	*-28.11*	
		For >200, Deduct	*-56.23*	
32 17 23 13-0137	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Thermoplastic Reflective Pavement Marking	250.05	
		For <10, Add	*27.16*	
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 200, Deduct	*-18.11*	
		For >200, Deduct	*-36.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0138	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Thermoplastic Reflective Pavement Marking	328.30	
		For <10, Add	*35.74*	
		For >50 To 100, Deduct	*-17.87*	
		For >100 To 200, Deduct	*-23.83*	
		For >200, Deduct	*-47.65*	
32 17 23 13-0139	EA	CALTRANS 5' Arrow, Bike Lane, Painted Thermoplastic Reflective Pavement Marking	65.16	
		For <10, Add	*7.15*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 200, Deduct	*-4.77*	
		For >200, Deduct	*-9.53*	
32 17 23 13-0140	EA	CALTRANS Railroad Crossing Symbol, Painted Thermoplastic Reflective Pavement Marking Note: Excludes variable width transverse lines.	627.77	
		For <10, Add	*67.90*	
		For >50 To 100, Deduct	*-33.95*	
		For >100 To 200, Deduct	*-45.27*	
		For >200, Deduct	*-90.53*	
32 17 23 13-0141	SF	CALTRANS Solid Area, Painted Thermoplastic Reflective Pavement Marking	8.32	
32 17 23 13-0142	EA	CALTRANS Bike Lane Symbol Without Person, Painted Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	63.99	
		For <10, Add	*5.15*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 200, Deduct	*-3.43*	
		For >200, Deduct	*-6.86*	
32 17 23 13-0143	EA	CALTRANS Bike Lane Symbol With Person, Painted Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	67.30	
		For <10, Add	*5.43*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 200, Deduct	*-3.62*	
		For >200, Deduct	*-7.24*	
32 17 23 13-0144	EA	CALTRANS Diamond Symbol, Painted Thermoplastic Reflective Pavement Marking	103.76	
		For <10, Add	*11.44*	
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 200, Deduct	*-7.62*	
		For >200, Deduct	*-15.25*	
32 17 23 13-0145	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Thermoplastic Reflective Pavement Marking	211.91	
		For <10, Add	*23.16*	
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 200, Deduct	*-15.44*	
		For >200, Deduct	*-30.88*	
32 17 23 13-0146	EA	CALTRANS Bike Loop Detector Symbol, Painted Thermoplastic Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	41.09	
		For <10, Add	*5.43*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 200, Deduct	*-3.62*	
		For >200, Deduct	*-7.24*	
32 17 23 13-0147	SF	CALTRANS Letter/Number, Painted Thermoplastic Reflective Pavement Marking	8.41	
32 17 23 13-0148	SF	CALTRANS Symbols, Painted Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.17	

32 17 23 13-0149 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0150 Painted Pavement Marking For Parking Areas *(32 17 23 13-0149)*

Note: 15 mil thickness.

32 17 23 13-0151	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.32	
32 17 23 13-0152	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.46	
32 17 23 13-0153	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.55	
32 17 23 13-0154	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.77	
32 17 23 13-0155	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.01	
32 17 23 13-0156	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	4.30	
		For Up To 10, Add	*0.57*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 200, Deduct	*-0.38*	
		For >200, Deduct	*-0.76*	
32 17 23 13-0157	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	7.50	
		For Up To 10, Add	*0.86*	
		For >50 To 100, Deduct	*-0.43*	
		For >100 To 200, Deduct	*-0.57*	
		For >200, Deduct	*-1.14*	
32 17 23 13-0158	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	12.66	
		For Up To 10, Add	*1.43*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 200, Deduct	*-0.95*	
		For >200, Deduct	*-1.91*	
32 17 23 13-0159	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	23.61	
		For Up To 10, Add	*2.72*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 200, Deduct	*-1.81*	
		For >200, Deduct	*-3.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0160	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	31.11	
		For Up To 10, Add	*3.72*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.48*	
		For >200, Deduct	*-4.96*	
32 17 23 13-0161	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	37.66	
		For Up To 10, Add	*4.58*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 200, Deduct	*-3.05*	
		For >200, Deduct	*-6.10*	
32 17 23 13-0162	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	51.20	
		For Up To 10, Add	*5.72*	
		For >50 To 100, Deduct	*-2.86*	
		For >100 To 200, Deduct	*-3.81*	
		For >200, Deduct	*-7.62*	
32 17 23 13-0163	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	95.96	
32 17 23 13-0164	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	112.06	
32 17 23 13-0165	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	165.24	
32 17 23 13-0166	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	168.95	
32 17 23 13-0167	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	225.36	
32 17 23 13-0168	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	37.36	
		For Blue Background With White Symbol, Add	*30.66*	
		For Blue Background With White Symbol And Border, Add	*38.32*	
32 17 23 13-0169	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	57.61	
		For Blue Background With White Symbol, Add	*65.81*	
		For Blue Background With White Symbol And Border, Add	*82.27*	

32 17 23 13-0170 Painted Curbs *(32 17 23 13)*

Note: All colors.

32 17 23 13-0171	LF	Reflective Painted Curb	3.82
32 17 23 13-0172	LF	Reflective Painted Curb And Gutter	7.42
32 17 23 13-0173	LF	Painted Curb	3.11
32 17 23 13-0174	LF	Painted Curb And Gutter	6.83

32 17 23 13-0175 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

32 17 23 13-0176	LF	2" Wide Marking For Outdoor Play Areas	1.13
32 17 23 13-0177	LF	3" Wide Marking For Outdoor Play Areas	1.28
32 17 23 13-0178	LF	4" Wide Marking For Outdoor Play Areas	1.45
32 17 23 13-0179	LF	6" Wide Marking For Outdoor Play Areas	1.72
32 17 23 13-0180	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.)	332.38

32 17 23 13-0181 Painted and/or Raised Reflective Pavement Marking (CALTRANS) *(32 17 23 13)*

Note: 20 to 25 mil thickness, per LF of detail for painted.

32 17 23 13-0182	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.30	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0183	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.49	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0184	LF	CALTRANS Detail 4 Centerline	1.13	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0185	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.30	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0186	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0187	LF	CALTRANS Detail 7 Centerline	0.82	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0188	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.30	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0189	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.49	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0190	LF	CALTRANS Detail 10 Lanelines	1.13	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0191	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.30	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0192	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.48	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0193	LF	CALTRANS Detail 13 Lanelines	0.82	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0194	LF	CALTRANS Detail 14 Lanelines	0.82	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0195	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.48	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0196	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0197	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.19	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0198	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.28	
		For Up To 5,000 LF, Add	*0.66*	
		For >25,000 LF, Deduct	*-0.49*	
32 17 23 13-0199	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0200	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.00	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0201	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.77	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.42*	
32 17 23 13-0202	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.54	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line On One Side, Deduct	*-0.11*	
		For Double Broken Line, Deduct	*-0.21*	
32 17 23 13-0203	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.29	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.19*	
32 17 23 13-0204	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.89	
		For Up To 5,000 LF, Add	*0.78*	
		For >25,000 LF, Deduct	*-0.58*	
32 17 23 13-0205	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0206	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0207	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0208	LF	CALTRANS Detail 26 Left Edgelines	0.19	
		For Up To 5,000 LF, Add	*0.04*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0209	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.73	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
32 17 23 13-0210	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0211	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.29	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0212	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	1.07	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
		For Broken Line On One Side, Deduct	*-0.21*	
		For Double Broken Line, Deduct	*-0.42*	
32 17 23 13-0213	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.83	
		For Up To 5,000 LF, Add	*0.37*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0214	LF	CALTRANS Detail 30 Median Islands	7.81	
		For Up To 5,000 LF, Add	*1.56*	
		For >25,000 LF, Deduct	*-1.17*	
32 17 23 13-0215	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.86	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.13*	
		For Double Broken Line, Deduct	*-0.26*	
32 17 23 13-0216	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.81	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0217	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	5.35	
		For Up To 5,000 LF, Add	*1.07*	
		For >25,000 LF, Deduct	*-0.80*	
32 17 23 13-0218	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	1.00	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0219	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0220	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.20	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0221	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0222	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	2.03	
		For Up To 5,000 LF, Add	*0.41*	
		For >25,000 LF, Deduct	*-0.30*	
32 17 23 13-0223	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.27	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
32 17 23 13-0224	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.39	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
32 17 23 13-0225	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.21	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0226	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.62	
		For Up To 5,000 LF, Add	*0.52*	
		For >25,000 LF, Deduct	*-0.39*	
32 17 23 13-0227	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.21	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0228	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.62	
		For Up To 5,000 LF, Add	*0.52*	
		For >25,000 LF, Deduct	*-0.39*	
32 17 23 13-0229	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.17	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0230	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0231	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.55	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.23*	
32 17 23 13-0232	LF	CALTRANS Detail 38C Channelizing Line	3.89	
		For Up To 5,000 LF, Add	*0.78*	
		For >25,000 LF, Deduct	*-0.58*	
32 17 23 13-0233	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.49	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0234	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.37	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0235	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.28	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0236	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.89	
		For Up To 5,000 LF, Add	*0.38*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0237	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.28	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0238	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.89	
		For Up To 5,000 LF, Add	*0.38*	
		For >25,000 LF, Deduct	*-0.28*	
32 17 23 13-0239	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	114.32	
		For <10, Add	*14.29*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 200, Deduct	*-9.53*	
		For >200, Deduct	*-19.06*	
32 17 23 13-0240	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	200.75	
		For <10, Add	*25.02*	
		For >50 To 100, Deduct	*-12.51*	
		For >100 To 200, Deduct	*-16.68*	
		For >200, Deduct	*-33.35*	
32 17 23 13-0241	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	251.80	
		For <10, Add	*31.45*	
		For >50 To 100, Deduct	*-15.72*	
		For >100 To 200, Deduct	*-20.97*	
		For >200, Deduct	*-41.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0242	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	366.13	
		For <10, Add	*45.74*	
		For >50 To 100, Deduct	*-22.87*	
		For >100 To 200, Deduct	*-30.50*	
		For >200, Deduct	*-60.99*	
32 17 23 13-0243	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	480.46	
		For <10, Add	*60.04*	
		For >50 To 100, Deduct	*-30.02*	
		For >100 To 200, Deduct	*-40.03*	
		For >200, Deduct	*-80.05*	
32 17 23 13-0244	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	338.22	
		For <10, Add	*42.17*	
		For >50 To 100, Deduct	*-21.08*	
		For >100 To 200, Deduct	*-28.11*	
		For >200, Deduct	*-56.23*	
32 17 23 13-0245	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	590.02	
		For <10, Add	*73.62*	
		For >50 To 100, Deduct	*-36.81*	
		For >100 To 200, Deduct	*-49.08*	
		For >200, Deduct	*-98.16*	
32 17 23 13-0246	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	120.46	
		For <10, Add	*15.01*	
		For >50 To 100, Deduct	*-7.51*	
		For >100 To 200, Deduct	*-10.01*	
		For >200, Deduct	*-20.01*	
32 17 23 13-0247	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	264.05	
		For <10, Add	*32.88*	
		For >50 To 100, Deduct	*-16.44*	
		For >100 To 200, Deduct	*-21.92*	
		For >200, Deduct	*-43.84*	
32 17 23 13-0248	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	338.22	
		For <10, Add	*42.17*	
		For >50 To 100, Deduct	*-21.08*	
		For >100 To 200, Deduct	*-28.11*	
		For >200, Deduct	*-56.23*	
32 17 23 13-0249	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	218.07	
		For <10, Add	*27.16*	
		For >50 To 100, Deduct	*-13.58*	
		For >100 To 200, Deduct	*-18.11*	
		For >200, Deduct	*-36.21*	
32 17 23 13-0250	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	287.19	
		For <10, Add	*35.74*	
		For >50 To 100, Deduct	*-17.87*	
		For >100 To 200, Deduct	*-23.83*	
		For >200, Deduct	*-47.65*	
32 17 23 13-0251	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	57.17	
		For <10, Add	*7.15*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 200, Deduct	*-4.77*	
		For >200, Deduct	*-9.53*	
32 17 23 13-0252	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	547.82	
		For <10, Add	*67.90*	
		For >50 To 100, Deduct	*-33.95*	
		For >100 To 200, Deduct	*-45.27*	
		For >200, Deduct	*-90.53*	
32 17 23 13-0253	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	7.18	
32 17 23 13-0254	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	55.99	
		For <10, Add	*5.15*	
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 200, Deduct	*-3.43*	
		For >200, Deduct	*-6.86*	
32 17 23 13-0255	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	59.31	
		For <10, Add	*5.43*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 200, Deduct	*-3.62*	
		For >200, Deduct	*-7.24*	
32 17 23 13-0256	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	91.19	
		For <10, Add	*11.44*	
		For >50 To 100, Deduct	*-5.72*	
		For >100 To 200, Deduct	*-7.62*	
		For >200, Deduct	*-15.25*	
32 17 23 13-0257	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	185.65	
		For <10, Add	*23.16*	
		For >50 To 100, Deduct	*-11.58*	
		For >100 To 200, Deduct	*-15.44*	
		For >200, Deduct	*-30.88*	
32 17 23 13-0258	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	38.80	
		For <10, Add	*5.43*	
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 200, Deduct	*-3.62*	
		For >200, Deduct	*-7.24*	
32 17 23 13-0259	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	7.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0260	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	8.03	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

Note: White, Red, Yellow/Amber, Green or Blue

32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	8.56	2.91
		For >100, Deduct	*-0.86*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	9.10	2.91
		For >100, Deduct	*-0.91*	
32 17 23 23-0004	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	7.87	2.91
		For >100, Deduct	*-0.79*	

32 17 23 23-0005 Snowplowable Pavement Markers *(32 17 23 23)*

32 17 23 23-0006	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	84.54	35.77
32 17 23 23-0007	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	85.01	35.77
32 17 23 23-0008	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	24.74	
32 17 23 23-0009	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	31.16	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	2.03	
		For Up To 5,000 LF, Add	*0.41*	
		For >25,000 LF, Deduct	*-0.30*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.38*	
		For Broken Line, Deduct	*-1.28*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.98	
		For Up To 5,000 LF, Add	*0.60*	
		For >25,000 LF, Deduct	*-0.45*	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
		For Broken Line, Deduct	*-1.92*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.93	
		For Up To 5,000 LF, Add	*0.79*	
		For >25,000 LF, Deduct	*-0.59*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
		For Broken Line, Deduct	*-2.56*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	5.79	
		For Up To 5,000 LF, Add	*1.16*	
		For >25,000 LF, Deduct	*-0.87*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
		For Broken Line, Deduct	*-3.83*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	3.92	
		For Up To 5,000 LF, Add	*0.78*	
		For >25,000 LF, Deduct	*-0.59*	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
		For Broken Line On One Side, Deduct	*-1.28*	
		For Double Broken Line, Deduct	*-2.56*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	5.79	
		For Up To 5,000 LF, Add	*1.16*	
		For >25,000 LF, Deduct	*-0.87*	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
		For Broken Line On One Side, Deduct	*-1.92*	
		For Double Broken Line, Deduct	*-3.83*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	10.80	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	6.70	
		For Up To 10, Add	*0.64*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 200, Deduct	*-0.43*	
		For >200, Deduct	*-0.86*	
		For 60 mils Thick, Deduct	*-0.42*	
		For 125 mils Thick, Add	*0.54*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	15.18	
		For Up To 10, Add	*0.97*	
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 200, Deduct	*-0.65*	
		For >200, Deduct	*-1.30*	
		For 60 mils Thick, Deduct	*-1.52*	
		For 125 mils Thick, Add	*1.96*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	26.00	
		For Up To 10, Add	*1.62*	
		For >50 To 100, Deduct	*-0.81*	
		For >100 To 200, Deduct	*-1.08*	
		For >200, Deduct	*-2.15*	
		For 60 mils Thick, Deduct	*-2.67*	
		For 125 mils Thick, Add	*3.43*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	48.40	
		For Up To 10, Add	*3.24*	
		For >50 To 100, Deduct	*-1.62*	
		For >100 To 200, Deduct	*-2.16*	
		For >200, Deduct	*-4.33*	
		For 60 mils Thick, Deduct	*-4.68*	
		For 125 mils Thick, Add	*6.02*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	59.00	
		For Up To 10, Add	*3.63*	
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 200, Deduct	*-2.42*	
		For >200, Deduct	*-4.84*	
		For 60 mils Thick, Deduct	*-6.09*	
		For 125 mils Thick, Add	*7.83*	
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	106.66	
		For Up To 10, Add	*6.46*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 200, Deduct	*-4.31*	
		For >200, Deduct	*-8.62*	
		For 60 mils Thick, Deduct	*-11.13*	
		For 125 mils Thick, Add	*14.31*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	141.51	
		For Up To 10, Add	*8.68*	
		For >50 To 100, Deduct	*-4.34*	
		For >100 To 200, Deduct	*-5.79*	
		For >200, Deduct	*-11.57*	
		For 60 mils Thick, Deduct	*-14.64*	
		For 125 mils Thick, Add	*18.82*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	258.39	
		For Up To 10, Add	*10.75*	
		For >50 To 100, Deduct	*-5.38*	
		For >100 To 200, Deduct	*-7.17*	
		For >200, Deduct	*-14.33*	
		For 60 mils Thick, Deduct	*-32.68*	
		For 125 mils Thick, Add	*42.01*	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	12.50	
		For 60 mils Thick, Deduct	*-1.05*	
		For 125 mils Thick, Add	*1.35*	
32 17 23 33-0019	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	228.82	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 60 mils Thick, Deduct	*-33.37*	
		For 125 mils Thick, Add	*42.91*	
32 17 23 33-0020	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	35.27	
		Note: Per SY of area.		
		For 60 mils Thick, Deduct	*-2.00*	
		For 125 mils Thick, Add	*2.57*	
32 17 23 33-0021	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	320.46	
		For 60 mils Thick, Deduct	*-24.24*	
		For 125 mils Thick, Add	*31.17*	
32 17 23 33-0022	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	955.29	
		For 60 mils Thick, Deduct	*-73.78*	
		For 125 mils Thick, Add	*94.86*	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	153.27	
		For 60 mils Thick, Deduct	*-11.60*	
		For 125 mils Thick, Add	*14.91*	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	13.93	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 60 mils Thick, Deduct	*-1.05*	
		For 125 mils Thick, Add	*1.35*	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	195.05	
		For 60 mils Thick, Deduct	*-14.76*	
		For 125 mils Thick, Add	*18.97*	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	348.32	
		For 60 mils Thick, Deduct	*-26.35*	
		For 125 mils Thick, Add	*33.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	431.93	
		For 60 mils Thick, Deduct	*-32.68*	
		For 125 mils Thick, Add	*42.01*	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	626.98	
		For 60 mils Thick, Deduct	*-47.43*	
		For 125 mils Thick, Add	*60.98*	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	822.05	
		For 60 mils Thick, Deduct	*-62.19*	
		For 125 mils Thick, Add	*79.96*	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	585.18	
		For 60 mils Thick, Deduct	*-44.27*	
		For 125 mils Thick, Add	*56.92*	
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	1,017.10	
		For 60 mils Thick, Deduct	*-76.95*	
		For 125 mils Thick, Add	*98.93*	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	209.00	
		For 60 mils Thick, Deduct	*-15.81*	
		For 125 mils Thick, Add	*20.33*	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	459.79	
		For 60 mils Thick, Deduct	*-34.78*	
		For 125 mils Thick, Add	*44.72*	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	585.18	
		For 60 mils Thick, Deduct	*-44.27*	
		For 125 mils Thick, Add	*56.92*	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	376.20	
		For 60 mils Thick, Deduct	*-28.46*	
		For 125 mils Thick, Add	*36.59*	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	501.59	
		For 60 mils Thick, Deduct	*-37.95*	
		For 125 mils Thick, Add	*48.79*	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	97.53	
		For 60 mils Thick, Deduct	*-7.38*	
		For 125 mils Thick, Add	*9.49*	

32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs *(32 17 23 33-0001)*

32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.71	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.38*	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.86	
		For 60 mils Thick, Deduct	*-0.45*	
		For 125 mils Thick, Add	*0.58*	
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.08	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.77*	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	8.82	
		For 60 mils Thick, Deduct	*-0.89*	
		For 125 mils Thick, Add	*1.15*	
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	16.25	
		For 60 mils Thick, Deduct	*-1.79*	
		For 125 mils Thick, Add	*2.30*	

32 17 23 33-0044 Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).

32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.53	
		For Up To 5,000 LF, Add	*0.91*	
		For >25,000 LF, Deduct	*-0.68*	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	6.76	
		For Up To 5,000 LF, Add	*1.35*	
		For >25,000 LF, Deduct	*-1.01*	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	8.97	
		For Up To 5,000 LF, Add	*1.79*	
		For >25,000 LF, Deduct	*-1.35*	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	13.36	
		For Up To 5,000 LF, Add	*2.67*	
		For >25,000 LF, Deduct	*-2.00*	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape Note: Includes yellow or white.	34.82	
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	52.08	
		For <10, Add	*1.17*	
		For >50 To 100, Deduct	*-0.59*	
		For >100 To 200, Deduct	*-0.78*	
		For >200, Deduct	*-1.56*	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	94.17	
		For <10, Add	*1.49*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 200, Deduct	*-0.99*	
		For >200, Deduct	*-1.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	160.30	
		For <10, Add	*2.94*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 200, Deduct	*-1.96*	
		For >200, Deduct	*-3.93*	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	225.20	
		For <10, Add	*5.89*	
		For >50 To 100, Deduct	*-2.94*	
		For >100 To 200, Deduct	*-3.93*	
		For >200, Deduct	*-7.85*	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	265.10	
		For <10, Add	*6.60*	
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 200, Deduct	*-4.40*	
		For >200, Deduct	*-8.81*	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	326.83	
		For <10, Add	*11.75*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 200, Deduct	*-7.83*	
		For >200, Deduct	*-15.67*	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	413.69	
		For <10, Add	*15.78*	
		For >50 To 100, Deduct	*-7.89*	
		For >100 To 200, Deduct	*-10.52*	
		For >200, Deduct	*-21.04*	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	519.39	
		For <10, Add	*19.56*	
		For >50 To 100, Deduct	*-9.78*	
		For >100 To 200, Deduct	*-13.04*	
		For >200, Deduct	*-26.07*	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	35.59	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape Note: Handicap, railroad, diamond symbol, etc.	37.02	

32 17 23 33-0060 Preformed, Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)*

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	517.71
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,375.71
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	262.51
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	216.57
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	440.92
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	254.98
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	493.67
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	859.45
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,306.40
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	450.26
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	503.01
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	948.83
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	869.92
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	872.79
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	1,215.62

32 17 23 33-0076 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*

32 17 23 33-0077 Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0076)*

Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0078	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	171.39
32 17 23 33-0079	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	671.75
32 17 23 33-0080	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	374.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0081	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	452.09	
32 17 23 33-0082	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	474.10	

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001 Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)*
Note: Truncated dome, raised strips or directional bars. All colors.

32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	72.31	10.92
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	58.11	10.92

32 17 26 00-0004 Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)*
Note: Pre-molded tactile dome sheet. All colors.

32 17 26 00-0005	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	86.19	10.92
32 17 26 00-0006	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	76.37	10.92

32 18 Athletic and Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

32 18 16 13-0001 Tile Playground Surface Material *(32 18 16 13)*
Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.

32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	26.61	2.62
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*1.97*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	27.11	2.78
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*2.07*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	28.09	3.10
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*2.27*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	29.08	3.44
		For Manufacturer's Standard Colors, Add	*1.69*	
		For Interlocking Tiles, Add	*3.75*	
		For Mechanically Fastened, Add	*2.46*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	32.49	3.76
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*2.66*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	33.58	4.12
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*2.88*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	34.70	4.49
		For Manufacturer's Standard Colors, Add	*1.27*	
		For Interlocking Tiles, Add	*4.24*	
		For Mechanically Fastened, Add	*3.10*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	38.18	4.81
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*3.31*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	39.17	5.20
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*3.50*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	40.24	5.50
		For Manufacturer's Standard Colors, Add	*0.71*	
		For Interlocking Tiles, Add	*4.73*	
		For Mechanically Fastened, Add	*3.72*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	46.39	6.18
		For Manufacturer's Standard Colors, Add	*0.69*	
		For Interlocking Tiles, Add	*5.55*	
		For Mechanically Fastened, Add	*4.13*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	

32 18 16 13-0013 Loose Laid Playground Surface Material *(32 18 16 13)*

Note: Excludes sub base.

32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.87	0.39
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.50	0.49
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.19	0.59
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.50	0.89
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.82	0.39
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.49	0.49
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.36	0.59
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.69	0.89
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	11.34	1.47
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	14.45	1.97

32 18 16 13-0024 Poured In Place Playground Surfacing *(32 18 16 13)*

Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.

32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.11	3.06
		For Up To 2,000, Add	*4.17*	
		For >2,000 To 3,000, Add	*2.94*	
		For >3,000 To 4,000, Add	*2.00*	
		For >4,000 To 5,000, Add	*1.28*	
		For >5,000 To 7,000, Add	*0.53*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	21.77	3.40
		For Up To 2,000, Add	*4.29*	
		For >2,000 To 3,000, Add	*3.03*	
		For >3,000 To 4,000, Add	*2.06*	
		For >4,000 To 5,000, Add	*1.32*	
		For >5,000 To 7,000, Add	*0.55*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	23.50	3.88
		For Up To 2,000, Add	*4.63*	
		For >2,000 To 3,000, Add	*3.27*	
		For >3,000 To 4,000, Add	*2.23*	
		For >4,000 To 5,000, Add	*1.42*	
		For >5,000 To 7,000, Add	*0.59*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	25.39	4.13
		For Up To 2,000, Add	*5.01*	
		For >2,000 To 3,000, Add	*3.53*	
		For >3,000 To 4,000, Add	*2.41*	
		For >4,000 To 5,000, Add	*1.54*	
		For >5,000 To 7,000, Add	*0.64*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	27.26	4.35
		For Up To 2,000, Add	*5.38*	
		For >2,000 To 3,000, Add	*3.79*	
		For >3,000 To 4,000, Add	*2.59*	
		For >4,000 To 5,000, Add	*1.65*	
		For >5,000 To 7,000, Add	*0.69*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	28.85	4.60
		For Up To 2,000, Add	*5.69*	
		For >2,000 To 3,000, Add	*4.01*	
		For >3,000 To 4,000, Add	*2.74*	
		For >4,000 To 5,000, Add	*1.75*	
		For >5,000 To 7,000, Add	*0.73*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	30.73	4.85
		For Up To 2,000, Add	*6.06*	
		For >2,000 To 3,000, Add	*4.28*	
		For >3,000 To 4,000, Add	*2.91*	
		For >4,000 To 5,000, Add	*1.86*	
		For >5,000 To 7,000, Add	*0.78*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	34.48	5.44
		For Up To 2,000, Add	*6.80*	
		For >2,000 To 3,000, Add	*4.80*	
		For >3,000 To 4,000, Add	*3.27*	
		For >4,000 To 5,000, Add	*2.09*	
		For >5,000 To 7,000, Add	*0.87*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	13.79	
		For Up To 2,000, Add	*4.09*	
		For >2,000 To 3,000, Add	*2.65*	
		For >3,000 To 4,000, Add	*1.62*	
		For >4,000 To 5,000, Add	*0.98*	
		For >5,000 To 7,000, Add	*0.44*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.52*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.63*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	3,018.40	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	11.12	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.78	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	6.31	
32 18 16 13-0039	CF	Sand/Rubber Infill (Sporturf)	58.69	

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 13 Baseball Field Surfacing *(32 18 23)*

32 18 23 13-0001 Clay Infield Maintenance *(32 18 23 13)*

32 18 23 13-0002	MSF	Playing Field Maintenance (Clay - Nail Drag)	12.73	
32 18 23 13-0003	MSF	Playing Field Maintenance (Clay - Screen Drag)	12.73	
32 18 23 13-0004	CY	Playing Field Maintenance Of Clay	115.09	
32 18 23 13-0005	TON	Professional Softball/Baseball Infield Mix (Diamond-Tex Professional)	126.04	

32 18 23 23 Field Sport Surfacing *(32 18 23)*

32 18 23 23-0001 Turf Field Maintenance *(32 18 23 23)*

32 18 23 23-0002	ACR	Turf Aeration (Minimum 6" Penetration)	171.38	
32 18 23 23-0003	MSF	Top Dressing 1/8" - 1/4" Sand	16.30	
32 18 23 23-0004	BAG	Envirofill, 50 Lb. Bag	126.93	

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	8.75	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,996.35	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,634.76	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	7,112.31	
32 18 23 29-0009	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,626.08	
32 18 23 29-0010	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per end zone.	2,516.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	21,884.04	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	31,731.86	

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41)	10.08	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	29,543.63	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	24,510.27	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,659.46	
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,844.94	
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per end zone.	2,626.10	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	22,978.38	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	33,318.65	

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45)	10.27	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	30,090.74	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	26,479.85	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	8,206.56	
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	3,063.78	
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per end zone.	2,735.52	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	24,072.59	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	34,905.25	

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	11.51	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	31,184.76	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	33,263.74	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	9,300.72	
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,501.45	
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per end zone.	2,954.35	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	26,260.85	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	38,078.23	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.91	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	31,731.86	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,984.03	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,847.82	
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,720.29	
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per end zone.	3,063.77	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	27,355.05	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	39,664.82	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.92	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	32,278.96	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	37,202.87	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	10,394.92	
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,939.13	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per end zone.	3,173.19	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	28,449.25	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	41,251.42	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	12.15	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,826.06	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	39,610.11	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,942.02	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,376.81	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per end zone.	3,282.61	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	29,543.45	
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	42,838.01	

32 18 23 29-0068 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) *(32 18 23 29-0002)*

32 18 23 29-0069 38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) *(32 18 23 29-0068)*

32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.67	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,902.32	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,571.12	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	6,018.15	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,188.42	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per end zone.	2,297.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	19,695.75	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	28,558.84	

32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) *(32 18 23 29-0068)*

32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	8.49	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	28,449.25	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,884.04	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,565.21	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,407.24	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields. Note: Per end zone.	2,407.24	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,789.84	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	30,145.27	

32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) *(32 18 23 29-0002)*

32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	19.17	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	17.16	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	53,991.73	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	64,144.02	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,689.91	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,999.08	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields. Note: Per end zone.	4,452.93	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	40,076.34	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	58,837.14	

32 18 23 29-0097 Synthetic Turf (G9 Turf) *(32 18 23 29-0001)*

Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	10.54	
		For >35,000, Deduct	*-0.95*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	10.44	
		For >35,000, Deduct	*-0.94*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	10.91	
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	74,661.11	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	32,353.15	
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,733.06	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.50	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	9.13	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.60	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.31	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.16	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	2,488.70	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,887.04	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.82	
		For >10,000 To 30,000, Deduct	*-0.33*	
		For >30,000 To 60,000, Deduct	*-0.57*	
		For >60,000, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.58	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	6.20	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on rooftops.	5.08	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	3.12	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	4,959.80	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	13.64	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.46	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.84	
32 18 23 29-0123		Synthetic Turf (FieldTurf) *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0124	SF	2" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 50) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	8.69	
32 18 23 29-0125	SF	2.35" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 60) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	8.81	
32 18 23 29-0126	SF	2.5" Height, Linked Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XT 65) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	8.92	
32 18 23 29-0127	SF	2" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 50) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	8.81	
32 18 23 29-0128	SF	2.35" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 60) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	8.92	
32 18 23 29-0129	SF	2.5" Height, Straight Monofilament Fiber With Wrapping Yarn, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Prestige XM 65) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	9.04	
32 18 23 29-0130	SF	2" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	8.57	
32 18 23 29-0131	SF	2.5" Height, Split Film Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Classic) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	9.48	
32 18 23 29-0132	SF	2" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	9.01	
32 18 23 29-0133	SF	2.5" Height, Spined Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Duraspine Pro) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	9.80	
32 18 23 29-0134	SF	2" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	9.13	
32 18 23 29-0135	SF	2.5" Height, Concave And Rigid Monofilament Fiber, Polyethylene Synthetic Turf With Rubber/Sand Infill (FieldTurf Revolution) Note: Excludes preparation of sub-base, grooming, sports lines and logos.	9.92	
32 18 23 29-0136	EA	Numbers And Arrows Inlays For FieldTurf Synthetic Turf Note: Per field.	16,396.97	
32 18 23 29-0137	EA	Media Lines Inlays For FieldTurf Synthetic Turf Note: Per field.	10,931.32	
32 18 23 29-0138	EA	Hash Marks Inlays For FieldTurf Synthetic Turf Note: Per field.	16,396.97	
32 18 23 29-0139	EA	Rugby Inlays For FieldTurf Synthetic Turf Note: Per field.	16,396.97	
32 18 23 29-0140	EA	Soccer Inlays For FieldTurf Synthetic Turf Note: Per field.	13,117.58	
32 18 23 29-0141	EA	Field Hockey Inlays For FieldTurf Synthetic Turf Note: Per field.	8,745.05	
32 18 23 29-0142	EA	Lacrosse Inlays For FieldTurf Synthetic Turf Note: Per field.	8,745.05	
32 18 23 29-0143	EA	Baseball Inlays For FieldTurf Synthetic Turf Note: Per field.	7,651.92	
32 18 23 29-0144	EA	Softball Inlays For FieldTurf Synthetic Turf Note: Per field.	5,465.66	
32 18 23 29-0145	EA	Gmax Compaction And Hardness Test For FieldTurf Synthetic Turf Note: Per test.	3,279.39	
32 18 23 29-0146	YR	8-Year Maintenance Program For FieldTurf Synthetic Turf Note: Per year. Includes GroomRight machine.	8,745.05	
32 18 23 29-0147	EA	GroomRight Machine For FieldTurf Synthetic Turf	10,931.32	
32 18 23 29-0148		Synthetic Turf (XGrass®) *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task. Excludes site preparation, drainage and removal of foreign debris.		

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0149		Tufted Polyethylene Synthetic Turf (XGrass® PET) *(32 18 23 29-0148)*			
32 18 23 29-0150		1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET) *(32 18 23 29-0149)*			
32 18 23 29-0151	SF	Up To 5,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET)		16.97	
		For Base And Nailer Board Installation, Add		*2.00*	
32 18 23 29-0152	SF	>5,000 To 10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET)		14.85	
		For Base And Nailer Board Installation, Add		*2.00*	
32 18 23 29-0153	SF	>10,000 SF, 1-1/8" Pile Height, 70 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With Envirofill® Infill (XGrass® PET)		13.26	
		For Base And Nailer Board Installation, Add		*1.25*	
32 18 23 29-0154		Tufted Polyethylene Synthetic Turf With Pad (XGrass® Play) *(32 18 23 29-0148)*			
32 18 23 29-0155		1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play) *(32 18 23 29-0154)*			
32 18 23 29-0156	SF	Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)		16.97	
		For Base And Nailer Board Installation, Add		*2.00*	
32 18 23 29-0157	SF	>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)		14.85	
		For Base And Nailer Board Installation, Add		*2.00*	
32 18 23 29-0158	SF	>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 1" Pad (6' Fall Height) And Envirofill® Infill (XGrass® Play)		13.26	
		For Base And Nailer Board Installation, Add		*1.25*	
32 18 23 29-0159		1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play) *(32 18 23 29-0154)*			
32 18 23 29-0160	SF	Up To 5,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)		17.50	
		For Base And Nailer Board Installation, Add		*2.00*	
32 18 23 29-0161	SF	>5,000 To 10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)		15.38	
		For Base And Nailer Board Installation, Add		*2.00*	
32 18 23 29-0162	SF	>10,000 SF, 1-3/4" Pile Height, 50 Oz/SY Face Weight, Tufted Polyethylene Synthetic Turf With 2" Pad (9' Fall Height) And Envirofill® Infill (XGrass® Play)		13.26	
		For Base And Nailer Board Installation, Add		*1.25*	
32 18 23 29-0163		Synthetic Turf (ActGlobal Xtreme Turf) *(32 18 23 29-0001)*			
		Note: Includes labor, equipment and material required to install the task.			
32 18 23 29-0164	SF	2" Monofilament All Weather Synthetic Turf (ActGlobal Xtreme Turf)		9.05	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.84*	
32 18 23 29-0165	SF	2-1/4" Monofilament All Weather Synthetic Turf (ActGlobal Xtreme Turf)		9.50	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.89*	
32 18 23 29-0166	SF	2-1/2" Monofilament All Weather Synthetic Turf (ActGlobal Xtreme Turf)		10.05	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.94*	
32 18 23 29-0167	SF	2" Silt Film All Weather Synthetic Turf (ActGlobal Xtreme Turf)		9.27	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.86*	
32 18 23 29-0168	SF	2-1/4" Silt Film All Weather Synthetic Turf (ActGlobal Xtreme Turf)		9.76	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.91*	
32 18 23 29-0169	SF	2-1/2" Silt Film All Weather Synthetic Turf (ActGlobal Xtreme Turf)		10.33	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.96*	
32 18 23 29-0170	SF	2" Silt Film And Monofilament All Weather Synthetic Turf (ActGlobal Xtreme Turf)		9.68	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.89*	
32 18 23 29-0171	SF	2-1/4" Silt Film And Monofilament All Weather Synthetic Turf (ActGlobal Xtreme Turf)		10.11	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.93*	
32 18 23 29-0172	SF	2-1/2" Silt Film And Monofilament All Weather Synthetic Turf (ActGlobal Xtreme Turf)		10.94	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-1.01*	
32 18 23 29-0173	SF	23mm Foam Drainage For All Weather Synthetic Turf (ActGlobal)		1.85	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.15*	
32 18 23 29-0174	SF	Premier Color Infill For All Weather Synthetic Turf (ActGlobal)		3.83	
		Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.			
		For >35,000, Deduct		*-0.31*	

32 18 23 33 Running Track Surfacing *(32 18 23)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 33-0001		Running Track Surfacing *(32 18 23 33)*		
32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	32.38	
32 18 23 33-0003		Running Track Seal And Colored Surfaces *(32 18 23 33)*		
32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	18.73	
32 18 23 39		**Synthetic Running Track Surfacing** *(32 18 23)*		
32 18 23 39-0001		Synthetic Running Track Surfacing And Striping *(32 18 23 39)* Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.		
32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	87.84	7.76
		For >5,500, Deduct	*-6.87*	
		For Up To 4,000, Add	*21.85*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	110.29	7.76
		For >5,500, Deduct	*-9.21*	
		For Up To 4,000, Add	*29.32*	
		For Custom Color Upgrade, Add	*7.96*	
		For Aliphatic Top Coating, Add	*15.08*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	180.56	7.76
		For >5,500, Deduct	*-8.45*	
		For Up To 4,000, Add	*49.27*	
		For Custom Color Upgrade, Add	*10.84*	
		For Aliphatic Top Coating, Add	*20.13*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing	234.65	7.76
		For >5,500, Deduct	*-10.91*	
		For Up To 4,000, Add	*63.65*	
		For Custom Color Upgrade, Add	*14.18*	
		For Aliphatic Top Coating, Add	*20.73*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing	80.00	
		For >5,500, Deduct	*-11.60*	
		For Up To 4,000, Add	*28.00*	
32 18 23 39-0007	SY	Spray Retop Running Tracks	70.27	
		For Up To 4,000, Add	*24.59*	
		For >5,500, Deduct	*-6.87*	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks	136.01	
		For Up To 4,000, Add	*47.60*	
		For >5,500, Deduct	*-14.34*	
32 18 23 53		**Tennis Court Surfacing** *(32 18 23)*		
32 18 23 53-0001		Tennis Court Surfacing *(32 18 23 53)* See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	30.23	
32 18 23 53-0003		Tennis Court Markings *(32 18 23 53)*		
32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	569.56	
32 18 23 56		**Natural Tennis Court Surfacing** *(32 18 23)*		
32 18 23 56-0001	SY	Clay Tennis Court	40.78	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	45.21	
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	22.96	
32 18 23 56-0004	SY	Resurface Clay Tennis Court	12.54	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	10.80	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	9.61	
32 18 23 61		**Multi-Use, Tennis Court, Basketball Court Athletic Surfacing** *(32 18 23)*		
32 18 23 61-0001		100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)* Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002		Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.64	
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	0.81	
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	93.14	
32 18 23 61-0007		Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)* Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	3.36	
		For Pacific Blue, Add	*1.21*	
		For US Open Blue, Add	*1.87*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.75	
		For Pacific Blue, Add	*0.87*	
		For US Open Blue, Add	*1.34*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	2.40	
		For Pacific Blue, Add	*0.67*	
		For US Open Blue, Add	*1.04*	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	2.39	
		For Pacific Blue, Add	*0.81*	
		For US Open Or Australian Open Blue, Add	*1.32*	
		For Pro Purple, Add	*2.28*	
32 18 23 61-0012		Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*		
32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®) Note: Textured or non-textured highly reflective line marking paint.	1.62	
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat Note: Applied with rubber squeegee.	5.11	
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat Note: Applied with rubber squeegee.	6.93	
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat Note: Price per coat for third or additional coats. Applied with rubber squeegee.	5.98	
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat Note: Applied with rubber squeegee.	4.51	
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat Note: Price per coat for second or additional coats. Applied with rubber squeegee.	3.46	
32 18 23 61-0020		Resurface Athletic Court *(32 18 23 61)* Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.87	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)* Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	2,361.90	239.77
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	3,177.60	239.77
32 31 11 00-0007		Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,723.80	479.53
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	6,355.19	479.53
32 31 11 00-0010		**Swing Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)*		
32 31 11 00-0011		**Single Gate, Swing Gate Operators** *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,913.56	239.77
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	5,352.78	239.77
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	7,297.90	239.77
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	8,280.92	239.77
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0016		**Dual Gate, Swing Gate Operators** *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	8,676.79	479.53
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	9,555.23	479.53
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	13,424.55	479.53
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.	15,578.82	479.53
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0021		**Sliding Gate Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)* Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	2,211.66	239.77
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100) Note: Includes operator, chain brackets, hardware and 20' of #41 chain.	3,094.90	287.71
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150) Note: Includes operator, chain brackets, hardware and 20' of #40 chain.	3,829.74	287.71
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	5,001.66	335.67
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220) Note: Includes operator, chain brackets, hardware and 20' of #50 chain.	6,135.42	335.67
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	8,372.87	383.63
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	13,994.41	383.63
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550) Note: Includes operator, chain brackets, hardware and 20' of #60 chain.	23,727.25	431.58
32 31 11 00-0030		**Accessories For Gate Actuators And Operators (DKS™ DoorKing®)** *(32 31 11 00-0002)*		
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	752.93	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,461.94	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	1,028.42	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	1,103.40	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	977.91	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	674.64	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.98	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	7.29	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	9.33	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	14.37	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	729.92	141.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0042		Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*		
32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U) Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).	3,226.40	293.81
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*218.33*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*156.28*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*76.96*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*309.35*	
		For Each Additional 10' Chain, Add	*46.34*	
32 31 13		**Chain Link Fences and Gates** *(32 31)*		
32 31 13 13		**Chain Link Fences and Gates** *(32 31 13)*		
32 31 13 13-0001		Post Holes *(32 31 13 13)* Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0081 for core drilling in concrete, 02 41 19 13-0219 for core drilling in asphalt.		
32 31 13 13-0002		Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*		
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.89	
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.25	
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.52	
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.34	
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	17.82	
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.61	
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	21.79	
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	24.51	
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	28.01	
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	32.68	
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	39.22	
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	49.02	
32 31 13 13-0015		Post Hole In Rock *(32 31 13 13-0001)*		
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	81.05	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	23.60	
32 31 13 13-0018		Fill For Post Holes *(32 31 13 13-0001)*		
32 31 13 13-0019		Concrete Fill For Post Holes *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.29	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	8.10	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	8.90	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	10.21	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	14.39	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	19.22	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	23.50	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	27.39	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	37.27	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	46.20	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	54.89	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	63.92	
32 31 13 13-0032		Grout Fill For Post Holes *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.47	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	9.63	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	10.48	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	11.76	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	16.42	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	21.92	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	26.70	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	30.99	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	41.38	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	50.52	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	59.35	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	68.40	
32 31 13 13-0045		Compacted Earth Fill For Post Holes *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.33	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	6.95	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	7.26	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	7.47	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	9.99	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	13.32	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	15.98	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	18.12	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	22.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	24.78	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	27.17	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	29.31	
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)* Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)* Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	24.54	3.82
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	23.45	3.25
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	22.12	2.69
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	21.07	2.12
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	20.35	1.84
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	19.25	1.27
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)* Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	16.78	3.53
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.43*	
		For Vinyl Coated, Add	*5.82*	
		For Powder Coated, Add	*7.76*	
		For Aluminum Coated, Add	*12.13*	
		For Schedule 20, Deduct	*-1.94*	
		For Schedule 80, Add	*5.36*	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.57	2.97
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.40*	
		For Vinyl Coated, Add	*5.75*	
		For Powder Coated, Add	*7.67*	
		For Aluminum Coated, Add	*11.99*	
		For Schedule 20, Deduct	*-1.92*	
		For Schedule 80, Add	*5.20*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.30	2.41
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.38*	
		For Vinyl Coated, Add	*5.72*	
		For Powder Coated, Add	*7.62*	
		For Aluminum Coated, Add	*11.91*	
		For Schedule 20, Deduct	*-1.91*	
		For Schedule 80, Add	*5.05*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.32	1.84
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.38*	
		For Vinyl Coated, Add	*5.70*	
		For Powder Coated, Add	*7.60*	
		For Aluminum Coated, Add	*11.88*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.94*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.68	1.56
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.37*	
		For Vinyl Coated, Add	*5.69*	
		For Powder Coated, Add	*7.59*	
		For Aluminum Coated, Add	*11.86*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.98	1.27
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.37*	
		For Vinyl Coated, Add	*5.69*	
		For Powder Coated, Add	*7.58*	
		For Aluminum Coated, Add	*11.85*	
		For Schedule 20, Deduct	*-1.90*	
		For Schedule 80, Add	*4.80*	
32 31 13 13-0074		Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*		
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	19.19	3.68
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.97*	
		For Vinyl Coated, Add	*7.12*	
		For Powder Coated, Add	*9.50*	
		For Aluminum Coated, Add	*14.84*	
		For Schedule 20, Deduct	*-2.37*	
		For Schedule 80, Add	*6.43*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	18.06	3.11
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.93*	
		For Vinyl Coated, Add	*7.03*	
		For Powder Coated, Add	*9.38*	
		For Aluminum Coated, Add	*14.65*	
		For Schedule 20, Deduct	*-2.34*	
		For Schedule 80, Add	*6.26*	
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	16.70	2.55
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.91*	
		For Vinyl Coated, Add	*6.99*	
		For Powder Coated, Add	*9.32*	
		For Aluminum Coated, Add	*14.56*	
		For Schedule 20, Deduct	*-2.33*	
		For Schedule 80, Add	*6.10*	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	15.65	1.98
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.97*	
		For Powder Coated, Add	*9.29*	
		For Aluminum Coated, Add	*14.51*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.98*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	14.96	1.69
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.95*	
		For Powder Coated, Add	*9.27*	
		For Aluminum Coated, Add	*14.49*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.90*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	14.33	1.42
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.90*	
		For Vinyl Coated, Add	*6.95*	
		For Powder Coated, Add	*9.27*	
		For Aluminum Coated, Add	*14.49*	
		For Schedule 20, Deduct	*-2.32*	
		For Schedule 80, Add	*5.84*	
32 31 13 13-0081		Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*		
		Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	23.42	3.97
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.93*	
		For Vinyl Coated, Add	*9.42*	
		For Powder Coated, Add	*12.56*	
		For Aluminum Coated, Add	*19.63*	
		For Schedule 20, Deduct	*-3.14*	
		For Schedule 80, Add	*8.31*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	22.16	3.40
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.88*	
		For Vinyl Coated, Add	*9.32*	
		For Powder Coated, Add	*12.42*	
		For Aluminum Coated, Add	*19.41*	
		For Schedule 20, Deduct	*-3.11*	
		For Schedule 80, Add	*8.12*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	20.75	2.69
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.86*	
		For Vinyl Coated, Add	*9.27*	
		For Powder Coated, Add	*12.36*	
		For Aluminum Coated, Add	*19.31*	
		For Schedule 20, Deduct	*-3.09*	
		For Schedule 80, Add	*7.95*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	19.65	2.12
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.24*	
		For Powder Coated, Add	*12.32*	
		For Aluminum Coated, Add	*19.25*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.82*	
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	18.91	1.84
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.23*	
		For Powder Coated, Add	*12.30*	
		For Aluminum Coated, Add	*19.23*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.74*	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	18.24	1.42
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.85*	
		For Vinyl Coated, Add	*9.23*	
		For Powder Coated, Add	*12.30*	
		For Aluminum Coated, Add	*19.23*	
		For Schedule 20, Deduct	*-3.08*	
		For Schedule 80, Add	*7.67*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	32.20	4.25
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.93*	
		For Vinyl Coated, Add	*14.23*	
		For Powder Coated, Add	*18.97*	
		For Aluminum Coated, Add	*29.64*	
		For Schedule 20, Deduct	*-4.74*	
		For Schedule 80, Add	*12.23*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	30.68	3.68
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.84*	
		For Vinyl Coated, Add	*14.02*	
		For Powder Coated, Add	*18.69*	
		For Aluminum Coated, Add	*29.20*	
		For Schedule 20, Deduct	*-4.67*	
		For Schedule 80, Add	*11.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	29.08	2.97
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.80*	
		For Vinyl Coated, Add	*13.91*	
		For Powder Coated, Add	*18.55*	
		For Aluminum Coated, Add	*28.99*	
		For Schedule 20, Deduct	*-4.64*	
		For Schedule 80, Add	*11.72*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	27.81	2.41
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.78*	
		For Vinyl Coated, Add	*13.86*	
		For Powder Coated, Add	*18.48*	
		For Aluminum Coated, Add	*28.88*	
		For Schedule 20, Deduct	*-4.62*	
		For Schedule 80, Add	*11.56*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	26.99	1.98
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.77*	
		For Vinyl Coated, Add	*13.84*	
		For Powder Coated, Add	*18.45*	
		For Aluminum Coated, Add	*28.83*	
		For Schedule 20, Deduct	*-4.61*	
		For Schedule 80, Add	*11.46*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	26.24	1.56
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.76*	
		For Vinyl Coated, Add	*13.83*	
		For Powder Coated, Add	*18.44*	
		For Aluminum Coated, Add	*28.81*	
		For Schedule 20, Deduct	*-4.61*	
		For Schedule 80, Add	*11.38*	

32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*

Note: 4" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	47.63	4.52
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.67*	
		For Vinyl Coated, Add	*23.21*	
		For Powder Coated, Add	*30.95*	
		For Aluminum Coated, Add	*48.36*	
		For Schedule 20, Deduct	*-7.74*	
		For Schedule 80, Add	*19.47*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	45.50	3.68
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.52*	
		For Vinyl Coated, Add	*22.84*	
		For Powder Coated, Add	*30.45*	
		For Aluminum Coated, Add	*47.58*	
		For Schedule 20, Deduct	*-7.61*	
		For Schedule 80, Add	*19.01*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	43.96	3.11
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.44*	
		For Vinyl Coated, Add	*22.65*	
		For Powder Coated, Add	*30.20*	
		For Aluminum Coated, Add	*47.19*	
		For Schedule 20, Deduct	*-7.55*	
		For Schedule 80, Add	*18.74*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	42.56	2.55
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.40*	
		For Vinyl Coated, Add	*22.55*	
		For Powder Coated, Add	*30.07*	
		For Aluminum Coated, Add	*46.99*	
		For Schedule 20, Deduct	*-7.52*	
		For Schedule 80, Add	*18.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	42.48	2.55
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.38*	
		For Vinyl Coated, Add	*22.51*	
		For Powder Coated, Add	*30.01*	
		For Aluminum Coated, Add	*46.89*	
		For Schedule 20, Deduct	*-7.50*	
		For Schedule 80, Add	*18.50*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	41.02	1.84
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.37*	
		For Vinyl Coated, Add	*22.49*	
		For Powder Coated, Add	*29.99*	
		For Aluminum Coated, Add	*46.86*	
		For Schedule 20, Deduct	*-7.50*	
		For Schedule 80, Add	*18.35*	

32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*

Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	94.60	4.95
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*21.17*	
		For Vinyl Coated, Add	*50.80*	
		For Powder Coated, Add	*67.74*	
		For Aluminum Coated, Add	*105.84*	
		For Schedule 20, Deduct	*-16.93*	
		For Schedule 80, Add	*41.63*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	90.60	4.10
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.57*	
		For Vinyl Coated, Add	*49.37*	
		For Powder Coated, Add	*65.82*	
		For Aluminum Coated, Add	*102.85*	
		For Schedule 20, Deduct	*-16.46*	
		For Schedule 80, Add	*40.33*	
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	87.99	3.40
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.27*	
		For Vinyl Coated, Add	*48.65*	
		For Powder Coated, Add	*64.87*	
		For Aluminum Coated, Add	*101.36*	
		For Schedule 20, Deduct	*-16.22*	
		For Schedule 80, Add	*39.61*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	86.01	2.69
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.12*	
		For Vinyl Coated, Add	*48.29*	
		For Powder Coated, Add	*64.39*	
		For Aluminum Coated, Add	*100.61*	
		For Schedule 20, Deduct	*-16.10*	
		For Schedule 80, Add	*39.19*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	84.91	2.41
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.05*	
		For Vinyl Coated, Add	*48.12*	
		For Powder Coated, Add	*64.16*	
		For Aluminum Coated, Add	*100.25*	
		For Schedule 20, Deduct	*-16.04*	
		For Schedule 80, Add	*38.97*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	84.07	1.98
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*20.04*	
		For Vinyl Coated, Add	*48.08*	
		For Powder Coated, Add	*64.11*	
		For Aluminum Coated, Add	*100.18*	
		For Schedule 20, Deduct	*-16.03*	
		For Schedule 80, Add	*38.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0109		Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*		
		Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	184.15	5.52
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*43.28*	
		For Vinyl Coated, Add	*103.88*	
		For Powder Coated, Add	*138.50*	
		For Aluminum Coated, Add	*216.41*	
		For Schedule 20, Deduct	*-34.63*	
		For Schedule 80, Add	*84.20*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	177.61	4.67
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*42.10*	
		For Vinyl Coated, Add	*101.03*	
		For Powder Coated, Add	*134.70*	
		For Aluminum Coated, Add	*210.48*	
		For Schedule 20, Deduct	*-33.68*	
		For Schedule 80, Add	*81.75*	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	173.65	3.82
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.50*	
		For Vinyl Coated, Add	*99.61*	
		For Powder Coated, Add	*132.81*	
		For Aluminum Coated, Add	*207.51*	
		For Schedule 20, Deduct	*-33.20*	
		For Schedule 80, Add	*80.45*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	170.89	2.97
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.21*	
		For Vinyl Coated, Add	*98.90*	
		For Powder Coated, Add	*131.86*	
		For Aluminum Coated, Add	*206.04*	
		For Schedule 20, Deduct	*-32.97*	
		For Schedule 80, Add	*79.72*	
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	169.47	2.55
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.06*	
		For Vinyl Coated, Add	*98.54*	
		For Powder Coated, Add	*131.38*	
		For Aluminum Coated, Add	*205.29*	
		For Schedule 20, Deduct	*-32.85*	
		For Schedule 80, Add	*79.35*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	168.49	2.12
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*41.03*	
		For Vinyl Coated, Add	*98.47*	
		For Powder Coated, Add	*131.29*	
		For Aluminum Coated, Add	*205.14*	
		For Schedule 20, Deduct	*-32.82*	
		For Schedule 80, Add	*79.21*	
32 31 13 13-0116		Driven Post Supports *(32 31 13 13)*		
		Note: OZ-Post.		
32 31 13 13-0117		Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*		
32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	96.64	
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	96.64	
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	99.44	
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	119.05	
32 31 13 13-0122		Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*		
32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	110.63	
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	106.43	
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	111.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	119.05	
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	119.05	
32 31 13 13-0128		**Driven Post Support For Wooden Fence Posts** *(32 31 13 13-0116)*		
32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	111.58	
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	114.84	
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	124.65	
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	124.66	
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	142.89	
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	155.79	
32 31 13 13-0135		**Driven Post Support For Vinyl Fence Posts** *(32 31 13 13-0116)*		
32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	111.58	
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	114.84	
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	124.66	
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	126.90	
32 31 13 13-0140		**Chain Link Fence Assemblies** *(32 31 13 13)*		
32 31 13 13-0141		**Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** *(32 31 13 13-0140)* Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0671 for barb wire attachments.		
32 31 13 13-0142		**Galvanized** *(32 31 13 13-0141)*		
32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.85	4.81
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.38*	
		For 13 Gauge Fabric, Deduct	*-10.43*	
		For 11 Gauge Fabric, Deduct	*-6.09*	
		For 6 Gauge Fabric, Add	*9.57*	
		For 1" Mesh Fabric, Add	*13.05*	
		For 1-3/4" Mesh Fabric, Add	*5.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.48*	
		For Posts 8' On Centers, Add	*2.67*	
		For Posts 5' On Centers, Add	*10.02*	
		For Up To 100, Add	*9.21*	
		For >100 To 250, Add	*3.38*	
		For >2,500 To 5,000, Deduct	*-1.69*	
		For >5,000, Deduct	*-3.38*	
		For 3/8" Non-Climbable Mesh, Add	*34.14*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	50.70	4.81
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.49*	
		For 13 Gauge Fabric, Deduct	*-10.97*	
		For 11 Gauge Fabric, Deduct	*-6.41*	
		For 6 Gauge Fabric, Add	*10.07*	
		For 1" Mesh Fabric, Add	*13.73*	
		For 1-3/4" Mesh Fabric, Add	*5.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.66*	
		For Posts 8' On Centers, Add	*2.76*	
		For Posts 5' On Centers, Add	*10.37*	
		For Up To 100, Add	*9.52*	
		For >100 To 250, Add	*3.49*	
		For >2,500 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-3.49*	
		For 3/8" Non-Climbable Mesh, Add	*39.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	52.34	4.81
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.59*	
		For 13 Gauge Fabric, Deduct	*-11.43*	
		For 11 Gauge Fabric, Deduct	*-6.68*	
		For 6 Gauge Fabric, Add	*10.49*	
		For 1" Mesh Fabric, Add	*14.31*	
		For 1-3/4" Mesh Fabric, Add	*5.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.86*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.82*	
		For Posts 8' On Centers, Add	*2.85*	
		For Posts 5' On Centers, Add	*10.69*	
		For Up To 100, Add	*9.80*	
		For >100 To 250, Add	*3.59*	
		For >2,500 To 5,000, Deduct	*-1.79*	
		For >5,000, Deduct	*-3.59*	
		For 3/8" Non-Climbable Mesh, Add	*44.14*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	56.12	4.81
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.81*	
		For 13 Gauge Fabric, Deduct	*-12.53*	
		For 11 Gauge Fabric, Deduct	*-7.32*	
		For 6 Gauge Fabric, Add	*11.50*	
		For 1" Mesh Fabric, Add	*15.69*	
		For 1-3/4" Mesh Fabric, Add	*6.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.18*	
		For Posts 8' On Centers, Add	*3.05*	
		For Posts 5' On Centers, Add	*11.41*	
		For Up To 100, Add	*10.42*	
		For >100 To 250, Add	*3.81*	
		For >2,500 To 5,000, Deduct	*-1.90*	
		For >5,000, Deduct	*-3.81*	
		For 3/8" Non-Climbable Mesh, Add	*53.50*	
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	60.61	4.81
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.10*	
		For 13 Gauge Fabric, Deduct	*-13.64*	
		For 11 Gauge Fabric, Deduct	*-7.97*	
		For 6 Gauge Fabric, Add	*12.52*	
		For 1" Mesh Fabric, Add	*17.07*	
		For 1-3/4" Mesh Fabric, Add	*6.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.55*	
		For Posts 8' On Centers, Add	*3.29*	
		For Posts 5' On Centers, Add	*12.30*	
		For Up To 100, Add	*11.23*	
		For >100 To 250, Add	*4.10*	
		For >2,500 To 5,000, Deduct	*-2.05*	
		For >5,000, Deduct	*-4.10*	
		For 3/8" Non-Climbable Mesh, Add	*62.93*	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	62.77	7.22
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.25*	
		For 13 Gauge Fabric, Deduct	*-14.11*	
		For 11 Gauge Fabric, Deduct	*-8.24*	
		For 6 Gauge Fabric, Add	*12.95*	
		For 1" Mesh Fabric, Add	*17.66*	
		For 1-3/4" Mesh Fabric, Add	*7.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.71*	
		For Posts 8' On Centers, Add	*3.40*	
		For Posts 5' On Centers, Add	*12.74*	
		For Up To 100, Add	*11.63*	
		For >100 To 250, Add	*4.25*	
		For >2,500 To 5,000, Deduct	*-2.12*	
		For >5,000, Deduct	*-4.25*	
		For 3/8" Non-Climbable Mesh, Add	*72.52*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	71.06	8.41
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.73*	
		For 13 Gauge Fabric, Deduct	*-16.49*	
		For 11 Gauge Fabric, Deduct	*-9.63*	
		For 6 Gauge Fabric, Add	*15.14*	
		For 1" Mesh Fabric, Add	*20.64*	
		For 1-3/4" Mesh Fabric, Add	*8.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.50*	
		For Posts 8' On Centers, Add	*3.84*	
		For Posts 5' On Centers, Add	*14.33*	
		For Up To 100, Add	*13.02*	
		For >100 To 250, Add	*4.73*	
		For >2,500 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-4.73*	
		For 3/8" Non-Climbable Mesh, Add	*82.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	75.64	10.82
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.02*	
		For 13 Gauge Fabric, Deduct	*-17.69*	
		For 11 Gauge Fabric, Deduct	*-10.33*	
		For 6 Gauge Fabric, Add	*16.24*	
		For 1" Mesh Fabric, Add	*22.14*	
		For 1-3/4" Mesh Fabric, Add	*8.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.90*	
		For Posts 8' On Centers, Add	*4.08*	
		For Posts 5' On Centers, Add	*15.22*	
		For Up To 100, Add	*13.82*	
		For >100 To 250, Add	*5.02*	
		For >2,500 To 5,000, Deduct	*-2.51*	
		For >5,000, Deduct	*-5.02*	
		For 3/8" Non-Climbable Mesh, Add	*90.62*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	80.21	12.02
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.30*	
		For 13 Gauge Fabric, Deduct	*-18.89*	
		For 11 Gauge Fabric, Deduct	*-11.03*	
		For 6 Gauge Fabric, Add	*17.34*	
		For 1" Mesh Fabric, Add	*23.64*	
		For 1-3/4" Mesh Fabric, Add	*9.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.73*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.30*	
		For Posts 8' On Centers, Add	*4.32*	
		For Posts 5' On Centers, Add	*16.12*	
		For Up To 100, Add	*14.62*	
		For >100 To 250, Add	*5.30*	
		For >2,500 To 5,000, Deduct	*-2.65*	
		For >5,000, Deduct	*-5.30*	
		For 3/8" Non-Climbable Mesh, Add	*99.33*	
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	88.83	14.43
		For Each Additional Foot >12, Add	*4.55*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.84*	
		For 13 Gauge Fabric, Deduct	*-21.13*	
		For 11 Gauge Fabric, Deduct	*-12.34*	
		For 6 Gauge Fabric, Add	*19.40*	
		For 1" Mesh Fabric, Add	*26.45*	
		For 1-3/4" Mesh Fabric, Add	*10.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.29*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.05*	
		For Posts 8' On Centers, Add	*4.78*	
		For Posts 5' On Centers, Add	*17.81*	
		For Up To 100, Add	*16.13*	
		For >100 To 250, Add	*5.84*	
		For >2,500 To 5,000, Deduct	*-2.92*	
		For >5,000, Deduct	*-5.84*	
		For 3/8" Non-Climbable Mesh, Add	*107.74*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	54.06	4.81
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.19*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.68*	
		For 13 Gauge Fabric, Deduct	*-12.03*	
		For 11 Gauge Fabric, Deduct	*-7.03*	
		For 6 Gauge Fabric, Add	*11.04*	
		For 1" Mesh Fabric, Add	*15.06*	
		For 1-3/4" Mesh Fabric, Add	*6.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.01*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.01*	
		For Posts 8' On Centers, Add	*2.94*	
		For Posts 5' On Centers, Add	*11.00*	
		For Up To 100, Add	*10.05*	
		For >100 To 250, Add	*3.68*	
		For >2,500 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-3.68*	
		For 3/8" Non-Climbable Mesh, Add	*49.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.28	4.81
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.73*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.92*	
		For 13 Gauge Fabric, Deduct	*-13.28*	
		For 11 Gauge Fabric, Deduct	*-7.76*	
		For 6 Gauge Fabric, Add	*12.19*	
		For 1" Mesh Fabric, Add	*16.63*	
		For 1-3/4" Mesh Fabric, Add	*6.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.33*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.43*	
		For Posts 8' On Centers, Add	*3.15*	
		For Posts 5' On Centers, Add	*11.79*	
		For Up To 100, Add	*10.75*	
		For >100 To 250, Add	*3.92*	
		For >2,500 To 5,000, Deduct	*-1.96*	
		For >5,000, Deduct	*-3.92*	
		For 3/8" Non-Climbable Mesh, Add	*60.09*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	65.01	4.81
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.55*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.32*	
		For 13 Gauge Fabric, Deduct	*-15.17*	
		For 11 Gauge Fabric, Deduct	*-8.86*	
		For 6 Gauge Fabric, Add	*13.92*	
		For 1" Mesh Fabric, Add	*18.99*	
		For 1-3/4" Mesh Fabric, Add	*7.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.06*	
		For Posts 8' On Centers, Add	*3.51*	
		For Posts 5' On Centers, Add	*13.09*	
		For Up To 100, Add	*11.89*	
		For >100 To 250, Add	*4.32*	
		For >2,500 To 5,000, Deduct	*-2.16*	
		For >5,000, Deduct	*-4.32*	
		For 3/8" Non-Climbable Mesh, Add	*70.82*	
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	67.88	7.22
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.86*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.50*	
		For 13 Gauge Fabric, Deduct	*-15.88*	
		For 11 Gauge Fabric, Deduct	*-9.28*	
		For 6 Gauge Fabric, Add	*14.58*	
		For 1" Mesh Fabric, Add	*19.88*	
		For 1-3/4" Mesh Fabric, Add	*7.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.98*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.30*	
		For Posts 8' On Centers, Add	*3.66*	
		For Posts 5' On Centers, Add	*13.66*	
		For Up To 100, Add	*12.40*	
		For >100 To 250, Add	*4.50*	
		For >2,500 To 5,000, Deduct	*-2.25*	
		For >5,000, Deduct	*-4.50*	
		For 3/8" Non-Climbable Mesh, Add	*81.73*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	77.02	8.41
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.01*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.03*	
		For 13 Gauge Fabric, Deduct	*-18.56*	
		For 11 Gauge Fabric, Deduct	*-10.84*	
		For 6 Gauge Fabric, Add	*17.04*	
		For 1" Mesh Fabric, Add	*23.23*	
		For 1-3/4" Mesh Fabric, Add	*9.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.65*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.20*	
		For Posts 8' On Centers, Add	*4.13*	
		For Posts 5' On Centers, Add	*15.40*	
		For Up To 100, Add	*13.91*	
		For >100 To 250, Add	*5.03*	
		For >2,500 To 5,000, Deduct	*-2.52*	
		For >5,000, Deduct	*-5.03*	
		For 3/8" Non-Climbable Mesh, Add	*92.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	82.04	10.82
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.60*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.34*	
		For 13 Gauge Fabric, Deduct	*-19.91*	
		For 11 Gauge Fabric, Deduct	*-11.63*	
		For 6 Gauge Fabric, Add	*18.28*	
		For 1" Mesh Fabric, Add	*24.93*	
		For 1-3/4" Mesh Fabric, Add	*9.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.65*	
		For Posts 8' On Centers, Add	*4.40*	
		For Posts 5' On Centers, Add	*16.38*	
		For Up To 100, Add	*14.78*	
		For >100 To 250, Add	*5.34*	
		For >2,500 To 5,000, Deduct	*-2.67*	
		For >5,000, Deduct	*-5.34*	
		For 3/8" Non-Climbable Mesh, Add	*102.33*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	87.04	12.02
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*9.18*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.65*	
		For 13 Gauge Fabric, Deduct	*-21.26*	
		For 11 Gauge Fabric, Deduct	*-12.42*	
		For 6 Gauge Fabric, Add	*19.52*	
		For 1" Mesh Fabric, Add	*26.61*	
		For 1-3/4" Mesh Fabric, Add	*10.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.10*	
		For Posts 8' On Centers, Add	*4.66*	
		For Posts 5' On Centers, Add	*17.35*	
		For Up To 100, Add	*15.64*	
		For >100 To 250, Add	*5.65*	
		For >2,500 To 5,000, Deduct	*-2.82*	
		For >5,000, Deduct	*-5.65*	
		For 3/8" Non-Climbable Mesh, Add	*112.24*	
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	94.84	14.43
		For Each Additional Foot >12, Add	*4.80*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*10.02*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*6.14*	
		For 13 Gauge Fabric, Deduct	*-23.22*	
		For 11 Gauge Fabric, Deduct	*-13.56*	
		For 6 Gauge Fabric, Add	*21.31*	
		For 1" Mesh Fabric, Add	*29.06*	
		For 1-3/4" Mesh Fabric, Add	*11.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.75*	
		For Posts 8' On Centers, Add	*5.08*	
		For Posts 5' On Centers, Add	*18.89*	
		For Up To 100, Add	*17.03*	
		For >100 To 250, Add	*6.14*	
		For >2,500 To 5,000, Deduct	*-3.07*	
		For >5,000, Deduct	*-6.14*	
		For 3/8" Non-Climbable Mesh, Add	*121.73*	

32 31 13 13-0162 Rails *(32 31 13 13)*

Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*

Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	9.19	1.56
		For SS15, Deduct	*-0.59*	
		For SS40, Add	*1.49*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	11.19	1.56
		For SS40, Add	*0.79*	
		For Powder Coated, Add	*1.59*	
		For Aluminum Coated, Add	*3.18*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	11.44	1.77
		For SS15, Deduct	*-0.79*	
		For SS40, Add	*1.98*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	14.11	1.77
		For SS40, Add	*1.06*	
		For Powder Coated, Add	*2.12*	
		For Aluminum Coated, Add	*4.23*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	13.47	1.98
		For SS40, Add	*2.38*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	16.67	1.98
		For SS40, Add	*1.27*	
		For Powder Coated, Add	*2.54*	
		For Aluminum Coated, Add	*5.08*	

32 31 13 13-0170 SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal) *(32 31 13 13-0162)*

32 31 13 13-0171	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	12.09	1.56
		For SS40, Add	*2.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0172	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	14.76	1.56
		For SS40, Add	*1.12*	
		For Powder Coated, Add	*2.25*	
		For Aluminum Coated, Add	*4.49*	
32 31 13 13-0173		Fabric *(32 31 13 13)*		
32 31 13 13-0174		Fabric, Galvanized Chain Link *(32 31 13 13-0173)*		
32 31 13 13-0175	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.42	2.83
		For 1-1/4" Mesh Fabric, Add	*1.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.06*	
		For 13 Gauge Fabric, Deduct	*-1.90*	
		For 11 Gauge Fabric, Deduct	*-1.06*	
		For 6 Gauge Fabric, Add	*3.38*	
		For 1" Mesh Fabric, Add	*3.17*	
		For 1-1/4" Mesh Fabric, Add	*2.12*	
		For 1-3/4" Mesh Fabric, Add	*1.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.63*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.85*	
		For 3/8" Non-Climbable Mesh, Add	*35.51*	
32 31 13 13-0176	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.84	3.19
		For 1-1/4" Mesh Fabric, Add	*1.38*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.23*	
		For 13 Gauge Fabric, Deduct	*-2.22*	
		For 11 Gauge Fabric, Deduct	*-1.23*	
		For 6 Gauge Fabric, Add	*3.94*	
		For 1" Mesh Fabric, Add	*3.70*	
		For 1-1/4" Mesh Fabric, Add	*2.47*	
		For 1-3/4" Mesh Fabric, Add	*1.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.74*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.99*	
		For 3/8" Non-Climbable Mesh, Add	*40.60*	
32 31 13 13-0177	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.03	3.53
		For 1-1/4" Mesh Fabric, Add	*1.52*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.36*	
		For 13 Gauge Fabric, Deduct	*-2.44*	
		For 11 Gauge Fabric, Deduct	*-1.36*	
		For 6 Gauge Fabric, Add	*4.34*	
		For 1" Mesh Fabric, Add	*4.07*	
		For 1-1/4" Mesh Fabric, Add	*2.71*	
		For 1-3/4" Mesh Fabric, Add	*1.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.08*	
		For 3/8" Non-Climbable Mesh, Add	*45.73*	
32 31 13 13-0178	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	18.08	4.25
		For 1-1/4" Mesh Fabric, Add	*1.89*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.69*	
		For 13 Gauge Fabric, Deduct	*-3.04*	
		For 11 Gauge Fabric, Deduct	*-1.69*	
		For 6 Gauge Fabric, Add	*5.41*	
		For 1" Mesh Fabric, Add	*5.07*	
		For 1-1/4" Mesh Fabric, Add	*3.38*	
		For 1-3/4" Mesh Fabric, Add	*2.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.01*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.35*	
		For 3/8" Non-Climbable Mesh, Add	*55.19*	
32 31 13 13-0179	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	20.25	4.95
		For 1-1/4" Mesh Fabric, Add	*2.28*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.03*	
		For 13 Gauge Fabric, Deduct	*-3.66*	
		For 11 Gauge Fabric, Deduct	*-2.03*	
		For 6 Gauge Fabric, Add	*6.50*	
		For 1" Mesh Fabric, Add	*6.10*	
		For 1-1/4" Mesh Fabric, Add	*4.07*	
		For 1-3/4" Mesh Fabric, Add	*2.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.22*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.63*	
		For 3/8" Non-Climbable Mesh, Add	*64.75*	
32 31 13 13-0180	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	22.52	5.66
		For 1-1/4" Mesh Fabric, Add	*2.65*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.37*	
		For 13 Gauge Fabric, Deduct	*-4.26*	
		For 11 Gauge Fabric, Deduct	*-2.37*	
		For 6 Gauge Fabric, Add	*7.57*	
		For 1" Mesh Fabric, Add	*7.10*	
		For 1-1/4" Mesh Fabric, Add	*4.73*	
		For 1-3/4" Mesh Fabric, Add	*2.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.89*	
		For 3/8" Non-Climbable Mesh, Add	*74.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0181	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	24.98	7.08
		For 1-1/4" Mesh Fabric, Add	*3.03*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.71*	
		For 13 Gauge Fabric, Deduct	*-4.87*	
		For 11 Gauge Fabric, Deduct	*-2.71*	
		For 6 Gauge Fabric, Add	*8.66*	
		For 1" Mesh Fabric, Add	*8.12*	
		For 1-1/4" Mesh Fabric, Add	*5.42*	
		For 1-3/4" Mesh Fabric, Add	*3.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.62*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.17*	
		For 3/8" Non-Climbable Mesh, Add	*84.34*	
32 31 13 13-0182	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	29.67	7.78
		For 1-1/4" Mesh Fabric, Add	*3.94*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.52*	
		For 13 Gauge Fabric, Deduct	*-6.33*	
		For 11 Gauge Fabric, Deduct	*-3.52*	
		For 6 Gauge Fabric, Add	*11.25*	
		For 1" Mesh Fabric, Add	*10.55*	
		For 1-1/4" Mesh Fabric, Add	*7.03*	
		For 1-3/4" Mesh Fabric, Add	*4.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.11*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.81*	
		For 3/8" Non-Climbable Mesh, Add	*101.67*	
32 31 13 13-0183	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	33.83	8.49
		For 1-1/4" Mesh Fabric, Add	*4.72*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.21*	
		For 13 Gauge Fabric, Deduct	*-7.58*	
		For 11 Gauge Fabric, Deduct	*-4.21*	
		For 6 Gauge Fabric, Add	*13.48*	
		For 1" Mesh Fabric, Add	*12.64*	
		For 1-1/4" Mesh Fabric, Add	*8.43*	
		For 1-3/4" Mesh Fabric, Add	*5.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.53*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.37*	
		For 3/8" Non-Climbable Mesh, Add	*110.28*	
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	37.91	9.91
		For 1-1/4" Mesh Fabric, Add	*5.07*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.53*	
		For 13 Gauge Fabric, Deduct	*-8.15*	
		For 11 Gauge Fabric, Deduct	*-4.53*	
		For 6 Gauge Fabric, Add	*14.48*	
		For 1" Mesh Fabric, Add	*13.58*	
		For 1-1/4" Mesh Fabric, Add	*9.05*	
		For 1-3/4" Mesh Fabric, Add	*5.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.72*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.62*	
		For 3/8" Non-Climbable Mesh, Add	*120.36*	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	41.99	11.32
		For 1-1/4" Mesh Fabric, Add	*5.42*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.84*	
		For 13 Gauge Fabric, Deduct	*-8.71*	
		For 11 Gauge Fabric, Deduct	*-4.84*	
		For 6 Gauge Fabric, Add	*15.48*	
		For 1" Mesh Fabric, Add	*14.51*	
		For 1-1/4" Mesh Fabric, Add	*9.68*	
		For 1-3/4" Mesh Fabric, Add	*5.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.90*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.87*	
		For 3/8" Non-Climbable Mesh, Add	*130.45*	
32 31 13 13-0186		Fabric, Vinyl Coated Chain Link *(32 31 13 13-0173)*		
32 31 13 13-0187	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.75	2.83
		For 1-1/4" Mesh Fabric, Add	*2.00*	
		For 13 Gauge Fabric, Deduct	*-3.21*	
		For 11 Gauge Fabric, Deduct	*-1.79*	
		For 6 Gauge Fabric, Add	*5.71*	
		For 1" Mesh Fabric, Add	*5.36*	
		For 1-1/4" Mesh Fabric, Add	*3.57*	
		For 1-3/4" Mesh Fabric, Add	*2.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.07*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.43*	
		For 3/8" Non-Climbable Mesh, Add	*51.00*	
		For Aluminum Coated, Add	*2.86*	
32 31 13 13-0188	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.25	4.25
		For 1-1/4" Mesh Fabric, Add	*2.50*	
		For 13 Gauge Fabric, Deduct	*-4.02*	
		For 11 Gauge Fabric, Deduct	*-2.23*	
		For 6 Gauge Fabric, Add	*7.14*	
		For 1" Mesh Fabric, Add	*6.70*	
		For 1-1/4" Mesh Fabric, Add	*4.47*	
		For 1-3/4" Mesh Fabric, Add	*2.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.79*	
		For 3/8" Non-Climbable Mesh, Add	*61.78*	
		For Aluminum Coated, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0189	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	24.64	4.95
		For 1-1/4" Mesh Fabric, Add	*3.51*	
		For 13 Gauge Fabric, Deduct	*-5.63*	
		For 11 Gauge Fabric, Deduct	*-3.13*	
		For 6 Gauge Fabric, Add	*10.02*	
		For 1" Mesh Fabric, Add	*9.39*	
		For 1-1/4" Mesh Fabric, Add	*6.26*	
		For 1-3/4" Mesh Fabric, Add	*3.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.88*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.50*	
		For 3/8" Non-Climbable Mesh, Add	*72.64*	
		For Aluminum Coated, Add	*5.01*	
32 31 13 13-0190	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	27.64	5.66
		For 1-1/4" Mesh Fabric, Add	*4.08*	
		For 13 Gauge Fabric, Deduct	*-6.56*	
		For 11 Gauge Fabric, Deduct	*-3.65*	
		For 6 Gauge Fabric, Add	*11.66*	
		For 1" Mesh Fabric, Add	*10.94*	
		For 1-1/4" Mesh Fabric, Add	*7.29*	
		For 1-3/4" Mesh Fabric, Add	*4.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.92*	
		For 3/8" Non-Climbable Mesh, Add	*83.68*	
		For Aluminum Coated, Add	*5.83*	
32 31 13 13-0191	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	30.94	7.08
		For 1-1/4" Mesh Fabric, Add	*4.70*	
		For 13 Gauge Fabric, Deduct	*-7.56*	
		For 11 Gauge Fabric, Deduct	*-4.20*	
		For 6 Gauge Fabric, Add	*13.43*	
		For 1" Mesh Fabric, Add	*12.59*	
		For 1-1/4" Mesh Fabric, Add	*8.40*	
		For 1-3/4" Mesh Fabric, Add	*5.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.52*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.36*	
		For 3/8" Non-Climbable Mesh, Add	*94.87*	
		For Aluminum Coated, Add	*6.72*	
32 31 13 13-0192	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	36.50	7.78
		For 1-1/4" Mesh Fabric, Add	*5.85*	
		For 13 Gauge Fabric, Deduct	*-9.40*	
		For 11 Gauge Fabric, Deduct	*-5.22*	
		For 6 Gauge Fabric, Add	*16.71*	
		For 1" Mesh Fabric, Add	*15.67*	
		For 1-1/4" Mesh Fabric, Add	*10.45*	
		For 1-3/4" Mesh Fabric, Add	*6.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.13*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.18*	
		For 3/8" Non-Climbable Mesh, Add	*114.58*	
		For Aluminum Coated, Add	*8.36*	
32 31 13 13-0193	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	39.84	8.49
		For 1-1/4" Mesh Fabric, Add	*6.40*	
		For 13 Gauge Fabric, Deduct	*-10.29*	
		For 11 Gauge Fabric, Deduct	*-5.72*	
		For 6 Gauge Fabric, Add	*18.29*	
		For 1" Mesh Fabric, Add	*17.15*	
		For 1-1/4" Mesh Fabric, Add	*11.43*	
		For 1-3/4" Mesh Fabric, Add	*6.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.43*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.57*	
		For 3/8" Non-Climbable Mesh, Add	*124.27*	
		For Aluminum Coated, Add	*9.14*	
32 31 13 13-0194	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	44.97	9.91
		For 1-1/4" Mesh Fabric, Add	*7.04*	
		For 13 Gauge Fabric, Deduct	*-11.32*	
		For 11 Gauge Fabric, Deduct	*-6.29*	
		For 6 Gauge Fabric, Add	*20.13*	
		For 1" Mesh Fabric, Add	*18.87*	
		For 1-1/4" Mesh Fabric, Add	*12.58*	
		For 1-3/4" Mesh Fabric, Add	*7.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.77*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.03*	
		For 3/8" Non-Climbable Mesh, Add	*135.45*	
		For Aluminum Coated, Add	*10.06*	
32 31 13 13-0195	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	50.21	11.32
		For 1-1/4" Mesh Fabric, Add	*7.72*	
		For 13 Gauge Fabric, Deduct	*-12.41*	
		For 11 Gauge Fabric, Deduct	*-6.89*	
		For 6 Gauge Fabric, Add	*22.06*	
		For 1" Mesh Fabric, Add	*20.68*	
		For 1-1/4" Mesh Fabric, Add	*13.79*	
		For 1-3/4" Mesh Fabric, Add	*8.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.14*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.51*	
		For 3/8" Non-Climbable Mesh, Add	*146.62*	
		For Aluminum Coated, Add	*11.03*	

32 31 13 13-0196 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0173)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0197	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.97	2.83
		For 6 Gauge Fabric, Add	*3.02*	
		For 1" Mesh Fabric, Add	*3.97*	
32 31 13 13-0198	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.30	3.19
		For 6 Gauge Fabric, Add	*3.51*	
		For 1" Mesh Fabric, Add	*4.61*	
32 31 13 13-0199	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	15.64	3.53
		For 6 Gauge Fabric, Add	*4.02*	
		For 1" Mesh Fabric, Add	*5.28*	
32 31 13 13-0200	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	17.60	4.25
		For 6 Gauge Fabric, Add	*5.02*	
		For 1" Mesh Fabric, Add	*6.59*	
32 31 13 13-0201	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	19.62	4.95
		For 6 Gauge Fabric, Add	*6.00*	
		For 1" Mesh Fabric, Add	*7.88*	
32 31 13 13-0202	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	21.84	5.66
		For 6 Gauge Fabric, Add	*7.02*	
		For 1" Mesh Fabric, Add	*9.22*	
32 31 13 13-0203	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	24.18	7.08
		For 6 Gauge Fabric, Add	*8.02*	
		For 1" Mesh Fabric, Add	*10.53*	
32 31 13 13-0204	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	28.14	7.78
		For 6 Gauge Fabric, Add	*10.02*	
		For 1" Mesh Fabric, Add	*13.16*	
32 31 13 13-0205	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	32.01	8.49
		For 6 Gauge Fabric, Add	*12.02*	
		For 1" Mesh Fabric, Add	*15.78*	

32 31 13 13-0206 Fabric, All Aluminum Chain Link *(32 31 13 13-0173)*

32 31 13 13-0207	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	19.07	2.83
		For 6 Gauge Fabric, Add	*7.90*	
		For 1" Mesh Fabric, Add	*10.37*	
32 31 13 13-0208	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	21.43	3.19
		For 6 Gauge Fabric, Add	*9.22*	
		For 1" Mesh Fabric, Add	*12.10*	
32 31 13 13-0209	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	23.78	3.53
		For 6 Gauge Fabric, Add	*10.54*	
		For 1" Mesh Fabric, Add	*13.83*	
32 31 13 13-0210	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	27.78	4.25
		For 6 Gauge Fabric, Add	*13.17*	
		For 1" Mesh Fabric, Add	*17.28*	
32 31 13 13-0211	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	31.87	4.95
		For 6 Gauge Fabric, Add	*15.80*	
		For 1" Mesh Fabric, Add	*20.74*	
32 31 13 13-0212	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	36.10	5.66
		For 6 Gauge Fabric, Add	*18.43*	
		For 1" Mesh Fabric, Add	*24.19*	
32 31 13 13-0213	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	40.48	7.08
		For 6 Gauge Fabric, Add	*21.06*	
		For 1" Mesh Fabric, Add	*27.65*	
32 31 13 13-0214	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	48.53	7.78
		For 6 Gauge Fabric, Add	*26.34*	
		For 1" Mesh Fabric, Add	*34.57*	
32 31 13 13-0215	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	56.48	8.49
		For 6 Gauge Fabric, Add	*31.60*	
		For 1" Mesh Fabric, Add	*41.48*	

32 31 13 13-0216 Fence Inserts *(32 31 13 13-0173)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0217 Vinyl Plastic Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0218	LF	3' High Fence, Vinyl Plastic Fence Insert	10.17
32 31 13 13-0219	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	11.60
32 31 13 13-0220	LF	4' High Fence, Vinyl Plastic Fence Insert	12.78
32 31 13 13-0221	LF	5' High Fence, Vinyl Plastic Fence Insert	16.03
32 31 13 13-0222	LF	6' High Fence, Vinyl Plastic Fence Insert	19.18
32 31 13 13-0223	LF	7' High Fence, Vinyl Plastic Fence Insert	22.44
32 31 13 13-0224	LF	8' High Fence, Vinyl Plastic Fence Insert	25.59
32 31 13 13-0225	LF	10' High Fence, Vinyl Plastic Fence Insert	31.15

32 31 13 13-0226 Aluminum Fence Inserts *(32 31 13 13-0216)*

Note: Assorted colors.

32 31 13 13-0227	LF	3' High Fence, Aluminum Fence Insert	42.38
32 31 13 13-0228	LF	3-1/2' High Fence, Aluminum Fence Insert	46.40
32 31 13 13-0229	LF	4' High Fence, Aluminum Fence Insert	52.42
32 31 13 13-0230	LF	5' High Fence, Aluminum Fence Insert	65.57
32 31 13 13-0231	LF	6' High Fence, Aluminum Fence Insert	78.69
32 31 13 13-0232	LF	7' High Fence, Aluminum Fence Insert	85.15
32 31 13 13-0233	LF	8' High Fence, Aluminum Fence Insert	104.90
32 31 13 13-0234	LF	10' High Fence, Aluminum Fence Insert	131.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0235		**Redwood Fence Inserts** *(32 31 13 13-0216)*		
32 31 13 13-0236	LF	4' High Fence, Redwood Fence Insert	15.42	
32 31 13 13-0237	LF	5' High Fence, Redwood Fence Insert	19.49	
32 31 13 13-0238	LF	6' High Fence, Redwood Fence Insert	23.41	
32 31 13 13-0239	LF	7' High Fence, Redwood Fence Insert	27.25	
32 31 13 13-0240	LF	8' High Fence, Redwood Fence Insert	31.19	
32 31 13 13-0241		**Diagonal Flexible Polyethylene Inserts** *(32 31 13 13-0216)*		
32 31 13 13-0242	SF	Diagonal Polyethylene Fence Weave	4.05	
32 31 13 13-0243		**Hedge Link Fence Inserts** *(32 31 13 13-0216)*		
32 31 13 13-0244	LF	3' High Fence, Hedge Link Fence Insert	21.78	
32 31 13 13-0245	LF	3-1/2' High Fence, Hedge Link Fence Insert	24.81	
32 31 13 13-0246	LF	4' High Fence, Hedge Link Fence Insert	29.06	
32 31 13 13-0247	LF	5' High Fence, Hedge Link Fence Insert	35.83	
32 31 13 13-0248	LF	6' High Fence, Hedge Link Fence Insert	40.97	
32 31 13 13-0249	LF	7' High Fence, Hedge Link Fence Insert	51.79	
32 31 13 13-0250	LF	8' High Fence, Hedge Link Fence Insert	58.82	
32 31 13 13-0251	LF	10' High Fence, Hedge Link Fence Insert	70.32	
32 31 13 13-0252	LF	12' High Fence, Hedge Link Fence Insert	80.66	
32 31 13 13-0253		**Fence Windscreen Fabric** *(32 31 13 13-0173)*		
		Note: Includes plastic wire clips.		
32 31 13 13-0254	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.37	0.61
		For Sewn Boxed Vent (Each), Add	*29.76*	
		For Welded Boxed Vent (Each), Add	*14.88*	
		For 4' x 4' One Color Logo (Each), Add	*619.98*	
32 31 13 13-0255		**Non-Climbable Fabric, Galvanized Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0256	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	35.51	2.83
		For 11 Gauge, Deduct	*-5.26*	
		For 10 Gauge, Deduct	*-2.11*	
		For 7 Gauge, Add	*3.16*	
		For 6 Gauge, Add	*7.37*	
		For 1/2" Mesh Fabric, Deduct	*-1.32*	
		For 5/8" Mesh Fabric, Deduct	*-2.90*	
		For 3/4" Mesh Fabric, Deduct	*-4.21*	
32 31 13 13-0257	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	40.60	3.19
		For 11 Gauge, Deduct	*-6.14*	
		For 10 Gauge, Deduct	*-2.46*	
		For 7 Gauge, Add	*3.68*	
		For 6 Gauge, Add	*8.59*	
		For 1/2" Mesh Fabric, Deduct	*-1.53*	
		For 5/8" Mesh Fabric, Deduct	*-3.38*	
		For 3/4" Mesh Fabric, Deduct	*-4.91*	
32 31 13 13-0258	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	45.73	3.53
		For 11 Gauge, Deduct	*-7.02*	
		For 10 Gauge, Deduct	*-2.81*	
		For 7 Gauge, Add	*4.21*	
		For 6 Gauge, Add	*9.83*	
		For 1/2" Mesh Fabric, Deduct	*-1.76*	
		For 5/8" Mesh Fabric, Deduct	*-3.86*	
		For 3/4" Mesh Fabric, Deduct	*-5.62*	
32 31 13 13-0259	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	55.19	4.25
		For 11 Gauge, Deduct	*-8.77*	
		For 10 Gauge, Deduct	*-3.51*	
		For 7 Gauge, Add	*5.26*	
		For 6 Gauge, Add	*12.28*	
		For 1/2" Mesh Fabric, Deduct	*-2.19*	
		For 5/8" Mesh Fabric, Deduct	*-4.83*	
		For 3/4" Mesh Fabric, Deduct	*-7.02*	
32 31 13 13-0260	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	64.75	4.95
		For 11 Gauge, Deduct	*-10.53*	
		For 10 Gauge, Deduct	*-4.21*	
		For 7 Gauge, Add	*6.32*	
		For 6 Gauge, Add	*14.74*	
		For 1/2" Mesh Fabric, Deduct	*-2.63*	
		For 5/8" Mesh Fabric, Deduct	*-5.79*	
		For 3/4" Mesh Fabric, Deduct	*-8.42*	
32 31 13 13-0261	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	74.47	5.66
		For 11 Gauge, Deduct	*-12.28*	
		For 10 Gauge, Deduct	*-4.91*	
		For 7 Gauge, Add	*7.37*	
		For 6 Gauge, Add	*17.19*	
		For 1/2" Mesh Fabric, Deduct	*-3.07*	
		For 5/8" Mesh Fabric, Deduct	*-6.76*	
		For 3/4" Mesh Fabric, Deduct	*-9.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0262	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	84.34	7.08
		For 11 Gauge, Deduct	*-14.04*	
		For 10 Gauge, Deduct	*-5.62*	
		For 7 Gauge, Add	*8.42*	
		For 6 Gauge, Add	*19.65*	
		For 1/2" Mesh Fabric, Deduct	*-3.51*	
		For 5/8" Mesh Fabric, Deduct	*-7.72*	
		For 3/4" Mesh Fabric, Deduct	*-11.23*	
32 31 13 13-0263	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	92.98	7.43
		For 11 Gauge, Deduct	*-15.63*	
		For 10 Gauge, Deduct	*-6.25*	
		For 7 Gauge, Add	*9.38*	
		For 6 Gauge, Add	*21.88*	
		For 1/2" Mesh Fabric, Deduct	*-3.91*	
		For 5/8" Mesh Fabric, Deduct	*-8.59*	
		For 3/4" Mesh Fabric, Deduct	*-12.50*	
32 31 13 13-0264	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	101.67	7.78
		For 11 Gauge, Deduct	*-17.21*	
		For 10 Gauge, Deduct	*-6.88*	
		For 7 Gauge, Add	*10.33*	
		For 6 Gauge, Add	*24.10*	
		For 1/2" Mesh Fabric, Deduct	*-4.30*	
		For 5/8" Mesh Fabric, Deduct	*-9.47*	
		For 3/4" Mesh Fabric, Deduct	*-13.77*	
32 31 13 13-0265	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	110.28	8.49
		For 11 Gauge, Deduct	*-18.66*	
		For 10 Gauge, Deduct	*-7.46*	
		For 7 Gauge, Add	*11.20*	
		For 6 Gauge, Add	*26.12*	
		For 1/2" Mesh Fabric, Deduct	*-4.67*	
		For 5/8" Mesh Fabric, Deduct	*-10.26*	
		For 3/4" Mesh Fabric, Deduct	*-14.93*	

32 31 13 13-0266 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0267 Galvanized Steel Without Barbed Wire *(32 31 13 13-0266)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0268 4' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0269	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	361.79	26.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.32*	
		For Aluminized Steel Gate And Post, Add	*133.95*	
		For Powder Coated Gate And Post, Add	*72.56*	
		For 1" Mesh Fabric, Add	*121.39*	
		For 1-1/4" Mesh Fabric, Add	*78.14*	
		For 1-3/4" Mesh Fabric, Add	*48.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.28*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*73.85*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*108.77*	
32 31 13 13-0270	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	454.81	27.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.77*	
		For Aluminized Steel Gate And Post, Add	*178.60*	
		For Powder Coated Gate And Post, Add	*96.74*	
		For 1" Mesh Fabric, Add	*161.85*	
		For 1-1/4" Mesh Fabric, Add	*104.18*	
		For 1-3/4" Mesh Fabric, Add	*64.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.37*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*87.58*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*125.98*	
32 31 13 13-0271	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	537.46	29.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.23*	
		For Aluminized Steel Gate And Post, Add	*215.62*	
		For Powder Coated Gate And Post, Add	*116.79*	
		For 1" Mesh Fabric, Add	*195.41*	
		For 1-1/4" Mesh Fabric, Add	*125.78*	
		For 1-3/4" Mesh Fabric, Add	*78.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.08*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*99.54*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*140.58*	
32 31 13 13-0272	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	632.26	35.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.69*	
		For Aluminized Steel Gate And Post, Add	*252.65*	
		For Powder Coated Gate And Post, Add	*136.85*	
		For 1" Mesh Fabric, Add	*228.96*	
		For 1-1/4" Mesh Fabric, Add	*147.38*	
		For 1-3/4" Mesh Fabric, Add	*91.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.79*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*111.52*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*156.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0273	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	727.05	41.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.15*	
		For Aluminized Steel Gate And Post, Add	*289.68*	
		For Powder Coated Gate And Post, Add	*156.91*	
		For 1" Mesh Fabric, Add	*262.52*	
		For 1-1/4" Mesh Fabric, Add	*168.98*	
		For 1-3/4" Mesh Fabric, Add	*105.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.50*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*123.50*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*172.37*	
32 31 13 13-0274	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	825.01	47.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.21*	
		For Aluminized Steel Gate And Post, Add	*328.22*	
		For Powder Coated Gate And Post, Add	*177.79*	
		For 1" Mesh Fabric, Add	*297.45*	
		For 1-1/4" Mesh Fabric, Add	*191.46*	
		For 1-3/4" Mesh Fabric, Add	*118.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.49*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*135.83*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*188.19*	
32 31 13 13-0275	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	919.79	52.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.68*	
		For Aluminized Steel Gate And Post, Add	*365.25*	
		For Powder Coated Gate And Post, Add	*197.84*	
		For 1" Mesh Fabric, Add	*331.01*	
		For 1-1/4" Mesh Fabric, Add	*213.06*	
		For 1-3/4" Mesh Fabric, Add	*132.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.20*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*147.79*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*203.65*	
32 31 13 13-0276	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,015.93	58.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-157.40*	
		For Aluminized Steel Gate And Post, Add	*402.93*	
		For Powder Coated Gate And Post, Add	*218.25*	
		For 1" Mesh Fabric, Add	*365.16*	
		For 1-1/4" Mesh Fabric, Add	*235.04*	
		For 1-3/4" Mesh Fabric, Add	*146.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-73.03*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*159.93*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*219.27*	
32 31 13 13-0277	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,292.72	58.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-209.29*	
		For Aluminized Steel Gate And Post, Add	*535.79*	
		For Powder Coated Gate And Post, Add	*290.22*	
		For 1" Mesh Fabric, Add	*485.56*	
		For 1-1/4" Mesh Fabric, Add	*312.54*	
		For 1-3/4" Mesh Fabric, Add	*194.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.11*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*223.05*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*306.84*	
32 31 13 13-0278	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,528.57	62.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-251.15*	
		For Aluminized Steel Gate And Post, Add	*642.95*	
		For Powder Coated Gate And Post, Add	*348.26*	
		For 1" Mesh Fabric, Add	*582.67*	
		For 1-1/4" Mesh Fabric, Add	*375.05*	
		For 1-3/4" Mesh Fabric, Add	*233.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.53*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*254.59*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*345.36*	
32 31 13 13-0279	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,766.38	67.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.01*	
		For Aluminized Steel Gate And Post, Add	*750.11*	
		For Powder Coated Gate And Post, Add	*406.31*	
		For 1" Mesh Fabric, Add	*679.78*	
		For 1-1/4" Mesh Fabric, Add	*437.56*	
		For 1-3/4" Mesh Fabric, Add	*271.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.96*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*286.13*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*383.89*	
32 31 13 13-0280	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,006.58	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.87*	
		For Aluminized Steel Gate And Post, Add	*857.26*	
		For Powder Coated Gate And Post, Add	*464.35*	
		For 1" Mesh Fabric, Add	*776.89*	
		For 1-1/4" Mesh Fabric, Add	*500.07*	
		For 1-3/4" Mesh Fabric, Add	*310.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.38*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*317.67*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*422.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0281	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,290.56	93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-376.73*	
		For Aluminized Steel Gate And Post, Add	*964.42*	
		For Powder Coated Gate And Post, Add	*522.39*	
		For 1" Mesh Fabric, Add	*874.00*	
		For 1-1/4" Mesh Fabric, Add	*562.58*	
		For 1-3/4" Mesh Fabric, Add	*349.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-174.80*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*349.20*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*460.91*	
32 31 13 13-0282	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,533.91	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.58*	
		For Aluminized Steel Gate And Post, Add	*1,071.58*	
		For Powder Coated Gate And Post, Add	*580.44*	
		For 1" Mesh Fabric, Add	*971.12*	
		For 1-1/4" Mesh Fabric, Add	*625.09*	
		For 1-3/4" Mesh Fabric, Add	*388.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.22*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*380.74*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*499.43*	
32 31 13 13-0283	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,774.90	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-459.42*	
		For Aluminized Steel Gate And Post, Add	*1,176.12*	
		For Powder Coated Gate And Post, Add	*637.07*	
		For 1" Mesh Fabric, Add	*1,065.86*	
		For 1-1/4" Mesh Fabric, Add	*686.07*	
		For 1-3/4" Mesh Fabric, Add	*426.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.17*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*444.36*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*594.48*	
32 31 13 13-0284	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,019.75	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.26*	
		For Aluminized Steel Gate And Post, Add	*1,280.66*	
		For Powder Coated Gate And Post, Add	*693.69*	
		For 1" Mesh Fabric, Add	*1,160.60*	
		For 1-1/4" Mesh Fabric, Add	*747.05*	
		For 1-3/4" Mesh Fabric, Add	*464.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.12*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*475.30*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*632.40*	
32 31 13 13-0285	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,269.53	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-541.10*	
		For Aluminized Steel Gate And Post, Add	*1,385.21*	
		For Powder Coated Gate And Post, Add	*750.32*	
		For 1" Mesh Fabric, Add	*1,255.34*	
		For 1-1/4" Mesh Fabric, Add	*808.04*	
		For 1-3/4" Mesh Fabric, Add	*502.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-251.07*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*506.23*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*670.31*	
32 31 13 13-0286	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,444.02	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-566.62*	
		For Aluminized Steel Gate And Post, Add	*1,450.55*	
		For Powder Coated Gate And Post, Add	*785.71*	
		For 1" Mesh Fabric, Add	*1,314.56*	
		For 1-1/4" Mesh Fabric, Add	*846.15*	
		For 1-3/4" Mesh Fabric, Add	*525.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.91*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*528.20*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*699.26*	
32 31 13 13-0287	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,817.62	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.88*	
		For Aluminized Steel Gate And Post, Add	*1,607.37*	
		For Powder Coated Gate And Post, Add	*870.66*	
		For 1" Mesh Fabric, Add	*1,456.68*	
		For 1-1/4" Mesh Fabric, Add	*937.63*	
		For 1-3/4" Mesh Fabric, Add	*582.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.34*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*571.11*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*749.15*	

32 31 13 13-0288 5' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0289	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	433.10	29.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.66*	
		For Aluminized Steel Gate And Post, Add	*165.53*	
		For Powder Coated Gate And Post, Add	*89.66*	
		For 1" Mesh Fabric, Add	*150.01*	
		For 1-1/4" Mesh Fabric, Add	*96.56*	
		For 1-3/4" Mesh Fabric, Add	*60.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.00*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*81.08*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*116.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0290	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	546.54	29.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.93*	
		For Aluminized Steel Gate And Post, Add	*219.98*	
		For Powder Coated Gate And Post, Add	*119.16*	
		For 1" Mesh Fabric, Add	*199.36*	
		For 1-1/4" Mesh Fabric, Add	*128.32*	
		For 1-3/4" Mesh Fabric, Add	*79.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.87*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*97.06*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*135.46*	
32 31 13 13-0291	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	638.28	31.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.09*	
		For Aluminized Steel Gate And Post, Add	*261.36*	
		For Powder Coated Gate And Post, Add	*141.57*	
		For 1" Mesh Fabric, Add	*236.86*	
		For 1-1/4" Mesh Fabric, Add	*152.46*	
		For 1-3/4" Mesh Fabric, Add	*94.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.37*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*110.03*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*151.07*	
32 31 13 13-0292	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	747.78	37.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-119.11*	
		For Aluminized Steel Gate And Post, Add	*304.92*	
		For Powder Coated Gate And Post, Add	*165.17*	
		For 1" Mesh Fabric, Add	*276.33*	
		For 1-1/4" Mesh Fabric, Add	*177.87*	
		For 1-3/4" Mesh Fabric, Add	*110.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.27*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*123.50*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*168.88*	
32 31 13 13-0293	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	848.19	43.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.42*	
		For Aluminized Steel Gate And Post, Add	*344.12*	
		For Powder Coated Gate And Post, Add	*186.40*	
		For 1" Mesh Fabric, Add	*311.86*	
		For 1-1/4" Mesh Fabric, Add	*200.74*	
		For 1-3/4" Mesh Fabric, Add	*124.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.37*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*135.98*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*184.85*	
32 31 13 13-0294	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	958.81	50.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.44*	
		For Aluminized Steel Gate And Post, Add	*387.69*	
		For Powder Coated Gate And Post, Add	*210.00*	
		For 1" Mesh Fabric, Add	*351.34*	
		For 1-1/4" Mesh Fabric, Add	*226.15*	
		For 1-3/4" Mesh Fabric, Add	*140.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.27*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*149.45*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*201.81*	
32 31 13 13-0295	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,063.77	56.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.60*	
		For Aluminized Steel Gate And Post, Add	*429.07*	
		For Powder Coated Gate And Post, Add	*232.41*	
		For 1" Mesh Fabric, Add	*388.84*	
		For 1-1/4" Mesh Fabric, Add	*250.29*	
		For 1-3/4" Mesh Fabric, Add	*155.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.77*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*162.42*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*218.28*	
32 31 13 13-0296	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,168.73	62.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.77*	
		For Aluminized Steel Gate And Post, Add	*470.45*	
		For Powder Coated Gate And Post, Add	*254.83*	
		For 1" Mesh Fabric, Add	*426.34*	
		For 1-1/4" Mesh Fabric, Add	*274.43*	
		For 1-3/4" Mesh Fabric, Add	*170.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.27*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*175.40*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*234.74*	
32 31 13 13-0297	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,572.13	62.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-259.32*	
		For Aluminized Steel Gate And Post, Add	*663.85*	
		For Powder Coated Gate And Post, Add	*359.59*	
		For 1" Mesh Fabric, Add	*601.62*	
		For 1-1/4" Mesh Fabric, Add	*387.25*	
		For 1-3/4" Mesh Fabric, Add	*240.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.32*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*252.40*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*336.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0298	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,864.38	67.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-311.39*	
		For Aluminized Steel Gate And Post, Add	*797.15*	
		For Powder Coated Gate And Post, Add	*431.79*	
		For 1" Mesh Fabric, Add	*722.41*	
		For 1-1/4" Mesh Fabric, Add	*465.00*	
		For 1-3/4" Mesh Fabric, Add	*288.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-144.48*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*289.93*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*380.70*	
32 31 13 13-0299	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,159.04	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-363.45*	
		For Aluminized Steel Gate And Post, Add	*930.44*	
		For Powder Coated Gate And Post, Add	*503.99*	
		For 1" Mesh Fabric, Add	*843.21*	
		For 1-1/4" Mesh Fabric, Add	*542.76*	
		For 1-3/4" Mesh Fabric, Add	*337.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.64*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*327.46*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*425.22*	
32 31 13 13-0300	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,497.48	93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-415.52*	
		For Aluminized Steel Gate And Post, Add	*1,063.74*	
		For Powder Coated Gate And Post, Add	*576.19*	
		For 1" Mesh Fabric, Add	*964.01*	
		For 1-1/4" Mesh Fabric, Add	*620.51*	
		For 1-3/4" Mesh Fabric, Add	*385.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-192.80*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*364.98*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*469.70*	
32 31 13 13-0301	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,789.82	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-466.57*	
		For Aluminized Steel Gate And Post, Add	*1,194.41*	
		For Powder Coated Gate And Post, Add	*646.97*	
		For 1" Mesh Fabric, Add	*1,082.44*	
		For 1-1/4" Mesh Fabric, Add	*696.74*	
		For 1-3/4" Mesh Fabric, Add	*432.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-216.49*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*401.91*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*513.62*	
32 31 13 13-0302	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,096.15	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.66*	
		For Aluminized Steel Gate And Post, Add	*1,330.32*	
		For Powder Coated Gate And Post, Add	*720.59*	
		For 1" Mesh Fabric, Add	*1,205.60*	
		For 1-1/4" Mesh Fabric, Add	*776.02*	
		For 1-3/4" Mesh Fabric, Add	*482.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-241.12*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*440.04*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*558.73*	
32 31 13 13-0303	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,400.90	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-571.73*	
		For Aluminized Steel Gate And Post, Add	*1,463.62*	
		For Powder Coated Gate And Post, Add	*792.79*	
		For 1" Mesh Fabric, Add	*1,326.40*	
		For 1-1/4" Mesh Fabric, Add	*853.78*	
		For 1-3/4" Mesh Fabric, Add	*530.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.28*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*510.24*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*660.36*	
32 31 13 13-0304	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,705.13	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-622.77*	
		For Aluminized Steel Gate And Post, Add	*1,594.30*	
		For Powder Coated Gate And Post, Add	*863.58*	
		For 1" Mesh Fabric, Add	*1,444.83*	
		For 1-1/4" Mesh Fabric, Add	*930.01*	
		For 1-3/4" Mesh Fabric, Add	*577.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-288.97*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*547.17*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*704.27*	
32 31 13 13-0305	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,026.63	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-675.86*	
		For Aluminized Steel Gate And Post, Add	*1,730.20*	
		For Powder Coated Gate And Post, Add	*937.19*	
		For 1" Mesh Fabric, Add	*1,568.00*	
		For 1-1/4" Mesh Fabric, Add	*1,009.29*	
		For 1-3/4" Mesh Fabric, Add	*627.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-313.60*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*585.29*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*749.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0306	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,347.79	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-727.28*	
		For Aluminized Steel Gate And Post, Add	*1,861.85*	
		For Powder Coated Gate And Post, Add	*1,008.50*	
		For 1" Mesh Fabric, Add	*1,687.30*	
		For 1-1/4" Mesh Fabric, Add	*1,086.08*	
		For 1-3/4" Mesh Fabric, Add	*674.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.46*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*622.45*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*793.51*	
32 31 13 13-0307	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,676.65	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-777.95*	
		For Aluminized Steel Gate And Post, Add	*1,991.56*	
		For Powder Coated Gate And Post, Add	*1,078.76*	
		For 1" Mesh Fabric, Add	*1,804.85*	
		For 1-1/4" Mesh Fabric, Add	*1,161.75*	
		For 1-3/4" Mesh Fabric, Add	*721.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.97*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*659.16*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*837.20*	
32 31 13 13-0308		**6' Fence Height** *(32 31 13 13-0267)*		
32 31 13 13-0309	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	464.37	31.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.34*	
		For Aluminized Steel Gate And Post, Add	*177.51*	
		For Powder Coated Gate And Post, Add	*96.15*	
		For 1" Mesh Fabric, Add	*160.87*	
		For 1-1/4" Mesh Fabric, Add	*103.55*	
		For 1-3/4" Mesh Fabric, Add	*64.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.17*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*83.83*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*118.75*	
32 31 13 13-0310	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	586.88	31.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.31*	
		For Aluminized Steel Gate And Post, Add	*236.31*	
		For Powder Coated Gate And Post, Add	*128.00*	
		For 1" Mesh Fabric, Add	*214.16*	
		For 1-1/4" Mesh Fabric, Add	*137.85*	
		For 1-3/4" Mesh Fabric, Add	*85.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.83*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*100.81*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*139.21*	
32 31 13 13-0311	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	686.42	33.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.88*	
		For Aluminized Steel Gate And Post, Add	*281.29*	
		For Powder Coated Gate And Post, Add	*152.37*	
		For 1" Mesh Fabric, Add	*254.92*	
		For 1-1/4" Mesh Fabric, Add	*164.09*	
		For 1-3/4" Mesh Fabric, Add	*101.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.98*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*114.59*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*155.63*	
32 31 13 13-0312	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	797.43	40.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.77*	
		For Aluminized Steel Gate And Post, Add	*324.52*	
		For Powder Coated Gate And Post, Add	*175.78*	
		For 1" Mesh Fabric, Add	*294.10*	
		For 1-1/4" Mesh Fabric, Add	*189.31*	
		For 1-3/4" Mesh Fabric, Add	*117.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.82*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*127.99*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*173.37*	
32 31 13 13-0313	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	913.67	47.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.63*	
		For Aluminized Steel Gate And Post, Add	*370.26*	
		For Powder Coated Gate And Post, Add	*200.56*	
		For 1" Mesh Fabric, Add	*335.55*	
		For 1-1/4" Mesh Fabric, Add	*215.99*	
		For 1-3/4" Mesh Fabric, Add	*134.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.11*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*141.97*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*190.84*	
32 31 13 13-0314	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,024.27	54.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.65*	
		For Aluminized Steel Gate And Post, Add	*413.82*	
		For Powder Coated Gate And Post, Add	*224.15*	
		For 1" Mesh Fabric, Add	*375.02*	
		For 1-1/4" Mesh Fabric, Add	*241.39*	
		For 1-3/4" Mesh Fabric, Add	*150.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.00*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*155.44*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*207.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0315	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,136.00	61.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-178.67*	
		For Aluminized Steel Gate And Post, Add	*457.38*	
		For Powder Coated Gate And Post, Add	*247.75*	
		For 1" Mesh Fabric, Add	*414.50*	
		For 1-1/4" Mesh Fabric, Add	*266.81*	
		For 1-3/4" Mesh Fabric, Add	*165.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.90*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*168.91*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*224.77*	
32 31 13 13-0316	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,206.86	67.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-188.02*	
		For Aluminized Steel Gate And Post, Add	*481.34*	
		For Powder Coated Gate And Post, Add	*260.73*	
		For 1" Mesh Fabric, Add	*436.21*	
		For 1-1/4" Mesh Fabric, Add	*280.78*	
		For 1-3/4" Mesh Fabric, Add	*174.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.24*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*177.90*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*237.24*	
32 31 13 13-0317	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,679.26	67.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-276.68*	
		For Aluminized Steel Gate And Post, Add	*708.29*	
		For Powder Coated Gate And Post, Add	*383.66*	
		For 1" Mesh Fabric, Add	*641.89*	
		For 1-1/4" Mesh Fabric, Add	*413.17*	
		For 1-3/4" Mesh Fabric, Add	*256.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.38*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*262.59*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*346.38*	
32 31 13 13-0318	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,990.24	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-331.80*	
		For Aluminized Steel Gate And Post, Add	*849.42*	
		For Powder Coated Gate And Post, Add	*460.10*	
		For 1" Mesh Fabric, Add	*769.78*	
		For 1-1/4" Mesh Fabric, Add	*495.49*	
		For 1-3/4" Mesh Fabric, Add	*307.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-153.96*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*301.91*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*392.68*	
32 31 13 13-0319	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,370.56	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-387.96*	
		For Aluminized Steel Gate And Post, Add	*993.17*	
		For Powder Coated Gate And Post, Add	*537.97*	
		For 1" Mesh Fabric, Add	*900.06*	
		For 1-1/4" Mesh Fabric, Add	*579.35*	
		For 1-3/4" Mesh Fabric, Add	*360.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.01*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*341.83*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*439.59*	
32 31 13 13-0320	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,687.78	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-443.09*	
		For Aluminized Steel Gate And Post, Add	*1,134.30*	
		For Powder Coated Gate And Post, Add	*614.41*	
		For 1" Mesh Fabric, Add	*1,027.96*	
		For 1-1/4" Mesh Fabric, Add	*661.68*	
		For 1-3/4" Mesh Fabric, Add	*411.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-205.59*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*381.15*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*485.87*	
32 31 13 13-0321	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,014.30	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-499.24*	
		For Aluminized Steel Gate And Post, Add	*1,278.05*	
		For Powder Coated Gate And Post, Add	*692.28*	
		For 1" Mesh Fabric, Add	*1,158.23*	
		For 1-1/4" Mesh Fabric, Add	*745.53*	
		For 1-3/4" Mesh Fabric, Add	*463.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-231.65*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*421.08*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*532.79*	
32 31 13 13-0322	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,345.76	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-555.39*	
		For Aluminized Steel Gate And Post, Add	*1,421.80*	
		For Powder Coated Gate And Post, Add	*770.14*	
		For 1" Mesh Fabric, Add	*1,288.50*	
		For 1-1/4" Mesh Fabric, Add	*829.38*	
		For 1-3/4" Mesh Fabric, Add	*515.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.70*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*461.00*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*579.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0323	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,678.15	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-610.52*	
		For Aluminized Steel Gate And Post, Add	*1,562.93*	
		For Powder Coated Gate And Post, Add	*846.59*	
		For 1" Mesh Fabric, Add	*1,416.41*	
		For 1-1/4" Mesh Fabric, Add	*911.71*	
		For 1-3/4" Mesh Fabric, Add	*566.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-283.28*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*533.00*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*683.12*	
32 31 13 13-0324	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,021.80	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-666.16*	
		For Aluminized Steel Gate And Post, Add	*1,705.37*	
		For Powder Coated Gate And Post, Add	*923.74*	
		For 1" Mesh Fabric, Add	*1,545.49*	
		For 1-1/4" Mesh Fabric, Add	*994.80*	
		For 1-3/4" Mesh Fabric, Add	*618.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-309.10*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*572.62*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*729.72*	
32 31 13 13-0325	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,373.91	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-721.19*	
		For Aluminized Steel Gate And Post, Add	*1,846.25*	
		For Powder Coated Gate And Post, Add	*1,000.05*	
		For 1" Mesh Fabric, Add	*1,673.16*	
		For 1-1/4" Mesh Fabric, Add	*1,076.98*	
		For 1-3/4" Mesh Fabric, Add	*669.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-334.63*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*611.89*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*775.97*	
32 31 13 13-0326	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,746.56	200.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-776.93*	
		For Aluminized Steel Gate And Post, Add	*1,988.95*	
		For Powder Coated Gate And Post, Add	*1,077.35*	
		For 1" Mesh Fabric, Add	*1,802.48*	
		For 1-1/4" Mesh Fabric, Add	*1,160.22*	
		For 1-3/4" Mesh Fabric, Add	*720.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.50*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*651.58*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*822.64*	
32 31 13 13-0327	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,144.90	234.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-832.78*	
		For Aluminized Steel Gate And Post, Add	*2,131.92*	
		For Powder Coated Gate And Post, Add	*1,154.79*	
		For 1" Mesh Fabric, Add	*1,932.05*	
		For 1-1/4" Mesh Fabric, Add	*1,243.62*	
		For 1-3/4" Mesh Fabric, Add	*772.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-386.41*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*691.32*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*869.36*	

32 31 13 13-0328 7' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0329	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	487.51	33.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.32*	
		For Aluminized Steel Gate And Post, Add	*185.13*	
		For Powder Coated Gate And Post, Add	*100.28*	
		For 1" Mesh Fabric, Add	*167.78*	
		For 1-1/4" Mesh Fabric, Add	*107.99*	
		For 1-3/4" Mesh Fabric, Add	*67.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.56*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*85.58*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*120.50*	
32 31 13 13-0330	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	614.56	33.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.14*	
		For Aluminized Steel Gate And Post, Add	*246.12*	
		For Powder Coated Gate And Post, Add	*133.31*	
		For 1" Mesh Fabric, Add	*223.04*	
		For 1-1/4" Mesh Fabric, Add	*143.57*	
		For 1-3/4" Mesh Fabric, Add	*89.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.61*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*103.05*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*141.45*	
32 31 13 13-0331	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	722.65	35.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.43*	
		For Aluminized Steel Gate And Post, Add	*295.51*	
		For Powder Coated Gate And Post, Add	*160.07*	
		For 1" Mesh Fabric, Add	*267.81*	
		For 1-1/4" Mesh Fabric, Add	*172.38*	
		For 1-3/4" Mesh Fabric, Add	*107.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.56*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*117.85*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*158.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0332	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	885.56	43.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-141.64*	
		For Aluminized Steel Gate And Post, Add	*362.59*	
		For Powder Coated Gate And Post, Add	*196.40*	
		For 1" Mesh Fabric, Add	*328.60*	
		For 1-1/4" Mesh Fabric, Add	*211.51*	
		For 1-3/4" Mesh Fabric, Add	*131.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-65.72*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*136.71*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*182.09*	
32 31 13 13-0333	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,047.43	50.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.85*	
		For Aluminized Steel Gate And Post, Add	*429.70*	
		For Powder Coated Gate And Post, Add	*232.75*	
		For 1" Mesh Fabric, Add	*389.41*	
		For 1-1/4" Mesh Fabric, Add	*250.66*	
		For 1-3/4" Mesh Fabric, Add	*155.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.88*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*155.59*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*204.46*	
32 31 13 13-0334	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,210.36	58.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.06*	
		For Aluminized Steel Gate And Post, Add	*496.78*	
		For Powder Coated Gate And Post, Add	*269.09*	
		For 1" Mesh Fabric, Add	*450.21*	
		For 1-1/4" Mesh Fabric, Add	*289.79*	
		For 1-3/4" Mesh Fabric, Add	*180.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.04*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*174.46*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*226.82*	
32 31 13 13-0335	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,372.21	65.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-220.27*	
		For Aluminized Steel Gate And Post, Add	*563.88*	
		For Powder Coated Gate And Post, Add	*305.44*	
		For 1" Mesh Fabric, Add	*511.02*	
		For 1-1/4" Mesh Fabric, Add	*328.93*	
		For 1-3/4" Mesh Fabric, Add	*204.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.20*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*193.31*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*249.17*	
32 31 13 13-0336	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,509.95	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.75*	
		For Aluminized Steel Gate And Post, Add	*618.88*	
		For Powder Coated Gate And Post, Add	*335.23*	
		For 1" Mesh Fabric, Add	*560.86*	
		For 1-1/4" Mesh Fabric, Add	*361.01*	
		For 1-3/4" Mesh Fabric, Add	*224.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.17*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*209.42*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*268.76*	
32 31 13 13-0337	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,913.03	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-317.33*	
		For Aluminized Steel Gate And Post, Add	*812.36*	
		For Powder Coated Gate And Post, Add	*440.03*	
		For 1" Mesh Fabric, Add	*736.20*	
		For 1-1/4" Mesh Fabric, Add	*473.87*	
		For 1-3/4" Mesh Fabric, Add	*294.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-147.24*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*286.44*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*370.23*	
32 31 13 13-0338	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,183.28	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-352.84*	
		For Aluminized Steel Gate And Post, Add	*903.27*	
		For Powder Coated Gate And Post, Add	*489.27*	
		For 1" Mesh Fabric, Add	*818.59*	
		For 1-1/4" Mesh Fabric, Add	*526.91*	
		For 1-3/4" Mesh Fabric, Add	*327.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.72*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*314.25*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*405.02*	
32 31 13 13-0339	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,520.11	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-411.65*	
		For Aluminized Steel Gate And Post, Add	*1,053.82*	
		For Powder Coated Gate And Post, Add	*570.82*	
		For 1" Mesh Fabric, Add	*955.03*	
		For 1-1/4" Mesh Fabric, Add	*614.73*	
		For 1-3/4" Mesh Fabric, Add	*382.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-191.01*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*355.73*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*453.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0340	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,834.62	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-465.55*	
		For Aluminized Steel Gate And Post, Add	*1,191.80*	
		For Powder Coated Gate And Post, Add	*645.56*	
		For 1" Mesh Fabric, Add	*1,080.07*	
		For 1-1/4" Mesh Fabric, Add	*695.22*	
		For 1-3/4" Mesh Fabric, Add	*432.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-216.01*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*394.33*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*499.05*	
32 31 13 13-0341	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,182.41	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-524.76*	
		For Aluminized Steel Gate And Post, Add	*1,343.39*	
		For Powder Coated Gate And Post, Add	*727.67*	
		For 1" Mesh Fabric, Add	*1,217.45*	
		For 1-1/4" Mesh Fabric, Add	*783.64*	
		For 1-3/4" Mesh Fabric, Add	*486.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-243.49*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*436.05*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*547.76*	
32 31 13 13-0342	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,531.14	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-582.96*	
		For Aluminized Steel Gate And Post, Add	*1,492.37*	
		For Powder Coated Gate And Post, Add	*808.37*	
		For 1" Mesh Fabric, Add	*1,352.46*	
		For 1-1/4" Mesh Fabric, Add	*870.55*	
		For 1-3/4" Mesh Fabric, Add	*540.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.49*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*477.17*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*595.86*	
32 31 13 13-0343	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,888.40	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-641.15*	
		For Aluminized Steel Gate And Post, Add	*1,641.34*	
		For Powder Coated Gate And Post, Add	*889.06*	
		For 1" Mesh Fabric, Add	*1,487.47*	
		For 1-1/4" Mesh Fabric, Add	*957.45*	
		For 1-3/4" Mesh Fabric, Add	*594.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-297.49*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*550.97*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*701.09*	
32 31 13 13-0344	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,257.38	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-699.34*	
		For Aluminized Steel Gate And Post, Add	*1,790.31*	
		For Powder Coated Gate And Post, Add	*969.75*	
		For 1" Mesh Fabric, Add	*1,622.47*	
		For 1-1/4" Mesh Fabric, Add	*1,044.35*	
		For 1-3/4" Mesh Fabric, Add	*648.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.49*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*592.09*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*749.19*	
32 31 13 13-0345	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,643.11	200.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-757.54*	
		For Aluminized Steel Gate And Post, Add	*1,939.29*	
		For Powder Coated Gate And Post, Add	*1,050.45*	
		For 1" Mesh Fabric, Add	*1,757.48*	
		For 1-1/4" Mesh Fabric, Add	*1,131.25*	
		For 1-3/4" Mesh Fabric, Add	*702.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.50*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*633.21*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*797.29*	
32 31 13 13-0346	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,053.97	234.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-815.73*	
		For Aluminized Steel Gate And Post, Add	*2,088.27*	
		For Powder Coated Gate And Post, Add	*1,131.15*	
		For 1" Mesh Fabric, Add	*1,892.49*	
		For 1-1/4" Mesh Fabric, Add	*1,218.16*	
		For 1-3/4" Mesh Fabric, Add	*757.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-378.50*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*674.34*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*845.40*	
32 31 13 13-0347	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,505.00	281.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-873.92*	
		For Aluminized Steel Gate And Post, Add	*2,237.24*	
		For Powder Coated Gate And Post, Add	*1,211.84*	
		For 1" Mesh Fabric, Add	*2,027.50*	
		For 1-1/4" Mesh Fabric, Add	*1,305.06*	
		For 1-3/4" Mesh Fabric, Add	*811.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-405.50*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*715.46*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*893.50*	

32 31 13 13-0348 8' Fence Height *(32 31 13 13-0267)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0349	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	570.93	36.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-86.37*	
		For Aluminized Steel Gate And Post, Add	*221.10*	
		For Powder Coated Gate And Post, Add	*119.76*	
		For 1" Mesh Fabric, Add	*200.37*	
		For 1-1/4" Mesh Fabric, Add	*128.97*	
		For 1-3/4" Mesh Fabric, Add	*80.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.07*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*93.82*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*128.74*	
32 31 13 13-0350	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	724.48	36.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.16*	
		For Aluminized Steel Gate And Post, Add	*294.80*	
		For Powder Coated Gate And Post, Add	*159.68*	
		For 1" Mesh Fabric, Add	*267.16*	
		For 1-1/4" Mesh Fabric, Add	*171.97*	
		For 1-3/4" Mesh Fabric, Add	*106.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.43*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*114.21*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*152.61*	
32 31 13 13-0351	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	845.32	40.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-135.44*	
		For Aluminized Steel Gate And Post, Add	*346.71*	
		For Powder Coated Gate And Post, Add	*187.80*	
		For 1" Mesh Fabric, Add	*314.21*	
		For 1-1/4" Mesh Fabric, Add	*202.25*	
		For 1-3/4" Mesh Fabric, Add	*125.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.84*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*129.59*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*170.63*	
32 31 13 13-0352	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	969.49	46.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.72*	
		For Aluminized Steel Gate And Post, Add	*398.64*	
		For Powder Coated Gate And Post, Add	*215.93*	
		For 1" Mesh Fabric, Add	*361.27*	
		For 1-1/4" Mesh Fabric, Add	*232.54*	
		For 1-3/4" Mesh Fabric, Add	*144.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.25*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*144.98*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*190.36*	
32 31 13 13-0353	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,106.34	55.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-176.00*	
		For Aluminized Steel Gate And Post, Add	*450.56*	
		For Powder Coated Gate And Post, Add	*244.05*	
		For 1" Mesh Fabric, Add	*408.32*	
		For 1-1/4" Mesh Fabric, Add	*262.83*	
		For 1-3/4" Mesh Fabric, Add	*163.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.66*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*160.37*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*209.24*	
32 31 13 13-0354	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,242.10	64.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-196.28*	
		For Aluminized Steel Gate And Post, Add	*502.49*	
		For Powder Coated Gate And Post, Add	*272.18*	
		For 1" Mesh Fabric, Add	*455.38*	
		For 1-1/4" Mesh Fabric, Add	*293.12*	
		For 1-3/4" Mesh Fabric, Add	*182.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.08*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*175.76*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*228.12*	
32 31 13 13-0355	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,378.96	74.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-216.57*	
		For Aluminized Steel Gate And Post, Add	*554.41*	
		For Powder Coated Gate And Post, Add	*300.31*	
		For 1" Mesh Fabric, Add	*502.43*	
		For 1-1/4" Mesh Fabric, Add	*323.41*	
		For 1-3/4" Mesh Fabric, Add	*200.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-100.49*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*191.14*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*247.00*	
32 31 13 13-0356	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,515.79	84.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.85*	
		For Aluminized Steel Gate And Post, Add	*606.33*	
		For Powder Coated Gate And Post, Add	*328.43*	
		For 1" Mesh Fabric, Add	*549.49*	
		For 1-1/4" Mesh Fabric, Add	*353.69*	
		For 1-3/4" Mesh Fabric, Add	*219.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.90*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*206.54*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*265.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0357	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,196.28	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.28*	
		For Aluminized Steel Gate And Post, Add	*909.51*	
		For Powder Coated Gate And Post, Add	*492.65*	
		For 1" Mesh Fabric, Add	*824.25*	
		For 1-1/4" Mesh Fabric, Add	*530.55*	
		For 1-3/4" Mesh Fabric, Add	*329.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-164.85*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*308.70*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*392.49*	
32 31 13 13-0358	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,584.33	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-423.69*	
		For Aluminized Steel Gate And Post, Add	*1,084.65*	
		For Powder Coated Gate And Post, Add	*587.52*	
		For 1" Mesh Fabric, Add	*982.96*	
		For 1-1/4" Mesh Fabric, Add	*632.71*	
		For 1-3/4" Mesh Fabric, Add	*393.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.59*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*355.81*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*446.58*	
32 31 13 13-0359	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,981.64	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-493.11*	
		For Aluminized Steel Gate And Post, Add	*1,262.37*	
		For Powder Coated Gate And Post, Add	*683.78*	
		For 1" Mesh Fabric, Add	*1,144.02*	
		For 1-1/4" Mesh Fabric, Add	*736.38*	
		For 1-3/4" Mesh Fabric, Add	*457.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-228.80*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*403.52*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*501.28*	
32 31 13 13-0360	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,394.76	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-564.58*	
		For Aluminized Steel Gate And Post, Add	*1,445.32*	
		For Powder Coated Gate And Post, Add	*782.88*	
		For 1" Mesh Fabric, Add	*1,309.82*	
		For 1-1/4" Mesh Fabric, Add	*843.10*	
		For 1-3/4" Mesh Fabric, Add	*523.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-261.96*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*452.43*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*557.15*	
32 31 13 13-0361	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,814.28	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-636.05*	
		For Aluminized Steel Gate And Post, Add	*1,628.28*	
		For Powder Coated Gate And Post, Add	*881.98*	
		For 1" Mesh Fabric, Add	*1,475.62*	
		For 1-1/4" Mesh Fabric, Add	*949.83*	
		For 1-3/4" Mesh Fabric, Add	*590.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-295.12*	
32 31 13 13-0362	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,236.88	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-706.49*	
		For Aluminized Steel Gate And Post, Add	*1,808.61*	
		For Powder Coated Gate And Post, Add	*979.66*	
		For 1" Mesh Fabric, Add	*1,639.05*	
		For 1-1/4" Mesh Fabric, Add	*1,055.02*	
		For 1-3/4" Mesh Fabric, Add	*655.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.81*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*549.64*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*668.33*	
32 31 13 13-0363	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,665.76	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-775.91*	
		For Aluminized Steel Gate And Post, Add	*1,986.34*	
		For Powder Coated Gate And Post, Add	*1,075.93*	
		For 1" Mesh Fabric, Add	*1,800.12*	
		For 1-1/4" Mesh Fabric, Add	*1,158.70*	
		For 1-3/4" Mesh Fabric, Add	*720.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-360.02*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*630.03*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*780.15*	
32 31 13 13-0364	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,122.27	200.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-847.38*	
		For Aluminized Steel Gate And Post, Add	*2,169.29*	
		For Powder Coated Gate And Post, Add	*1,175.03*	
		For 1" Mesh Fabric, Add	*1,965.92*	
		For 1-1/4" Mesh Fabric, Add	*1,265.42*	
		For 1-3/4" Mesh Fabric, Add	*786.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-393.18*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*678.94*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*836.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0365	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,603.91	234.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-918.84*	
		For Aluminized Steel Gate And Post, Add	*2,352.24*	
		For Powder Coated Gate And Post, Add	*1,274.13*	
		For 1" Mesh Fabric, Add	*2,131.72*	
		For 1-1/4" Mesh Fabric, Add	*1,372.14*	
		For 1-3/4" Mesh Fabric, Add	*852.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-426.34*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*727.85*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*891.93*	
32 31 13 13-0366	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,120.28	281.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-989.29*	
		For Aluminized Steel Gate And Post, Add	*2,532.58*	
		For Powder Coated Gate And Post, Add	*1,371.81*	
		For 1" Mesh Fabric, Add	*2,295.15*	
		For 1-1/4" Mesh Fabric, Add	*1,477.34*	
		For 1-3/4" Mesh Fabric, Add	*918.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-459.03*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*776.16*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*947.22*	
32 31 13 13-0367	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,707.02	351.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,059.73*	
		For Aluminized Steel Gate And Post, Add	*2,712.92*	
		For Powder Coated Gate And Post, Add	*1,469.50*	
		For 1" Mesh Fabric, Add	*2,458.58*	
		For 1-1/4" Mesh Fabric, Add	*1,582.53*	
		For 1-3/4" Mesh Fabric, Add	*983.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-491.72*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*824.47*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,002.51*	

32 31 13 13-0368 10' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0369	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	718.21	40.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.68*	
		For Aluminized Steel Gate And Post, Add	*285.91*	
		For Powder Coated Gate And Post, Add	*154.87*	
		For 1" Mesh Fabric, Add	*259.11*	
		For 1-1/4" Mesh Fabric, Add	*166.78*	
		For 1-3/4" Mesh Fabric, Add	*103.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.82*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*108.67*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*143.59*	
32 31 13 13-0370	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	916.75	40.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.91*	
		For Aluminized Steel Gate And Post, Add	*381.21*	
		For Powder Coated Gate And Post, Add	*206.49*	
		For 1" Mesh Fabric, Add	*345.47*	
		For 1-1/4" Mesh Fabric, Add	*222.37*	
		For 1-3/4" Mesh Fabric, Add	*138.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.09*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*134.01*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*172.41*	
32 31 13 13-0371	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,062.04	42.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.14*	
		For Aluminized Steel Gate And Post, Add	*448.36*	
		For Powder Coated Gate And Post, Add	*242.86*	
		For 1" Mesh Fabric, Add	*406.33*	
		For 1-1/4" Mesh Fabric, Add	*261.55*	
		For 1-3/4" Mesh Fabric, Add	*162.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.27*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*152.88*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*193.92*	
32 31 13 13-0372	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,232.83	52.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.37*	
		For Aluminized Steel Gate And Post, Add	*515.51*	
		For Powder Coated Gate And Post, Add	*279.23*	
		For 1" Mesh Fabric, Add	*467.18*	
		For 1-1/4" Mesh Fabric, Add	*300.71*	
		For 1-3/4" Mesh Fabric, Add	*186.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.44*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*171.76*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*217.14*	
32 31 13 13-0373	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,402.93	62.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.59*	
		For Aluminized Steel Gate And Post, Add	*582.64*	
		For Powder Coated Gate And Post, Add	*315.60*	
		For 1" Mesh Fabric, Add	*528.02*	
		For 1-1/4" Mesh Fabric, Add	*339.87*	
		For 1-3/4" Mesh Fabric, Add	*211.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.60*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*190.64*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*239.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0374	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,573.23	73.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.82*	
		For Aluminized Steel Gate And Post, Add	*649.79*	
		For Powder Coated Gate And Post, Add	*351.97*	
		For 1" Mesh Fabric, Add	*588.87*	
		For 1-1/4" Mesh Fabric, Add	*379.04*	
		For 1-3/4" Mesh Fabric, Add	*235.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.77*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*209.52*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*261.88*	
32 31 13 13-0375	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,742.91	83.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.05*	
		For Aluminized Steel Gate And Post, Add	*716.93*	
		For Powder Coated Gate And Post, Add	*388.34*	
		For 1" Mesh Fabric, Add	*649.72*	
		For 1-1/4" Mesh Fabric, Add	*418.21*	
		For 1-3/4" Mesh Fabric, Add	*259.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.94*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*228.39*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*284.25*	
32 31 13 13-0376	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,913.69	93.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.28*	
		For Aluminized Steel Gate And Post, Add	*784.08*	
		For Powder Coated Gate And Post, Add	*424.71*	
		For 1" Mesh Fabric, Add	*710.57*	
		For 1-1/4" Mesh Fabric, Add	*457.38*	
		For 1-3/4" Mesh Fabric, Add	*284.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.11*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*247.28*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*306.62*	
32 31 13 13-0377	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,785.18	111.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-459.42*	
		For Aluminized Steel Gate And Post, Add	*1,176.11*	
		For Powder Coated Gate And Post, Add	*637.06*	
		For 1" Mesh Fabric, Add	*1,065.85*	
		For 1-1/4" Mesh Fabric, Add	*686.06*	
		For 1-3/4" Mesh Fabric, Add	*426.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.17*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*369.80*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*453.59*	
32 31 13 13-0378	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,028.68	120.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.27*	
		For Aluminized Steel Gate And Post, Add	*1,280.68*	
		For Powder Coated Gate And Post, Add	*693.70*	
		For 1" Mesh Fabric, Add	*1,160.62*	
		For 1-1/4" Mesh Fabric, Add	*747.07*	
		For 1-3/4" Mesh Fabric, Add	*464.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.12*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*400.74*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*491.51*	
32 31 13 13-0379	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,450.87	130.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-573.77*	
		For Aluminized Steel Gate And Post, Add	*1,468.84*	
		For Powder Coated Gate And Post, Add	*795.62*	
		For 1" Mesh Fabric, Add	*1,331.14*	
		For 1-1/4" Mesh Fabric, Add	*856.83*	
		For 1-3/4" Mesh Fabric, Add	*532.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-266.23*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*450.84*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*548.60*	
32 31 13 13-0380	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,921.82	141.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-655.44*	
		For Aluminized Steel Gate And Post, Add	*1,677.93*	
		For Powder Coated Gate And Post, Add	*908.88*	
		For 1" Mesh Fabric, Add	*1,520.63*	
		For 1-1/4" Mesh Fabric, Add	*978.79*	
		For 1-3/4" Mesh Fabric, Add	*608.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.13*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*505.74*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*610.46*	
32 31 13 13-0381	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,400.23	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-737.12*	
		For Aluminized Steel Gate And Post, Add	*1,887.02*	
		For Powder Coated Gate And Post, Add	*1,022.14*	
		For 1" Mesh Fabric, Add	*1,710.11*	
		For 1-1/4" Mesh Fabric, Add	*1,100.76*	
		For 1-3/4" Mesh Fabric, Add	*684.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.02*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*560.63*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*672.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0382	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,890.39	173.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-819.30*	
		For Aluminized Steel Gate And Post, Add	*2,097.41*	
		For Powder Coated Gate And Post, Add	*1,136.10*	
		For 1" Mesh Fabric, Add	*1,900.78*	
		For 1-1/4" Mesh Fabric, Add	*1,223.49*	
		For 1-3/4" Mesh Fabric, Add	*760.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-380.16*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*615.83*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*734.52*	
32 31 13 13-0383	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,394.11	195.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-901.49*	
		For Aluminized Steel Gate And Post, Add	*2,307.81*	
		For Powder Coated Gate And Post, Add	*1,250.06*	
		For 1" Mesh Fabric, Add	*2,091.45*	
		For 1-1/4" Mesh Fabric, Add	*1,346.22*	
		For 1-3/4" Mesh Fabric, Add	*836.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-418.29*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*703.70*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*853.82*	
32 31 13 13-0384	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,913.02	222.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-983.16*	
		For Aluminized Steel Gate And Post, Add	*2,516.90*	
		For Powder Coated Gate And Post, Add	*1,363.32*	
		For 1" Mesh Fabric, Add	*2,280.94*	
		For 1-1/4" Mesh Fabric, Add	*1,468.19*	
		For 1-3/4" Mesh Fabric, Add	*912.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.19*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*758.60*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*915.70*	
32 31 13 13-0385	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,460.70	260.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,064.84*	
		For Aluminized Steel Gate And Post, Add	*2,725.99*	
		For Powder Coated Gate And Post, Add	*1,476.58*	
		For 1" Mesh Fabric, Add	*2,470.43*	
		For 1-1/4" Mesh Fabric, Add	*1,590.16*	
		For 1-3/4" Mesh Fabric, Add	*988.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-494.09*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*813.50*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*977.58*	
32 31 13 13-0386	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,051.78	312.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,146.51*	
		For Aluminized Steel Gate And Post, Add	*2,935.08*	
		For Powder Coated Gate And Post, Add	*1,589.83*	
		For 1" Mesh Fabric, Add	*2,659.91*	
		For 1-1/4" Mesh Fabric, Add	*1,712.13*	
		For 1-3/4" Mesh Fabric, Add	*1,063.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-531.98*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*868.40*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,039.46*	
32 31 13 13-0387	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,728.12	390.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,229.21*	
		For Aluminized Steel Gate And Post, Add	*3,146.77*	
		For Powder Coated Gate And Post, Add	*1,704.50*	
		For 1" Mesh Fabric, Add	*2,851.76*	
		For 1-1/4" Mesh Fabric, Add	*1,835.62*	
		For 1-3/4" Mesh Fabric, Add	*1,140.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-570.35*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*923.90*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,101.94*	

32 31 13 13-0388 12' Fence Height *(32 31 13 13-0267)*

32 31 13 13-0389	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	898.62	45.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.96*	
		For Aluminized Steel Gate And Post, Add	*365.97*	
		For Powder Coated Gate And Post, Add	*198.23*	
		For 1" Mesh Fabric, Add	*331.66*	
		For 1-1/4" Mesh Fabric, Add	*213.48*	
		For 1-3/4" Mesh Fabric, Add	*132.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.33*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*161.94*	
32 31 13 13-0390	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,152.75	45.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-190.61*	
		For Aluminized Steel Gate And Post, Add	*487.95*	
		For Powder Coated Gate And Post, Add	*264.31*	
		For 1" Mesh Fabric, Add	*442.20*	
		For 1-1/4" Mesh Fabric, Add	*284.64*	
		For 1-3/4" Mesh Fabric, Add	*176.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.44*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*158.47*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*196.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0391	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,336.83	47.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.18*	
		For Aluminized Steel Gate And Post, Add	*573.90*	
		For Powder Coated Gate And Post, Add	*310.86*	
		For 1" Mesh Fabric, Add	*520.10*	
		For 1-1/4" Mesh Fabric, Add	*334.78*	
		For 1-3/4" Mesh Fabric, Add	*208.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.02*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*181.65*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*222.69*	
32 31 13 13-0392	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,550.08	58.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.75*	
		For Aluminized Steel Gate And Post, Add	*659.85*	
		For Powder Coated Gate And Post, Add	*357.42*	
		For 1" Mesh Fabric, Add	*597.99*	
		For 1-1/4" Mesh Fabric, Add	*384.91*	
		For 1-3/4" Mesh Fabric, Add	*239.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.60*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*204.83*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*250.21*	
32 31 13 13-0393	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	720.17	69.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.73*	
		For Aluminized Steel Gate And Post, Add	*245.07*	
		For Powder Coated Gate And Post, Add	*132.75*	
		For 1" Mesh Fabric, Add	*222.10*	
		For 1-1/4" Mesh Fabric, Add	*142.96*	
		For 1-3/4" Mesh Fabric, Add	*88.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.42*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*113.28*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*162.15*	
32 31 13 13-0394	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	812.11	80.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-106.76*	
		For Aluminized Steel Gate And Post, Add	*273.32*	
		For Powder Coated Gate And Post, Add	*148.05*	
		For 1" Mesh Fabric, Add	*247.69*	
		For 1-1/4" Mesh Fabric, Add	*159.43*	
		For 1-3/4" Mesh Fabric, Add	*99.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.54*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*123.25*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*175.61*	
32 31 13 13-0395	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	905.14	92.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-117.80*	
		For Aluminized Steel Gate And Post, Add	*301.56*	
		For Powder Coated Gate And Post, Add	*163.35*	
		For 1" Mesh Fabric, Add	*273.29*	
		For 1-1/4" Mesh Fabric, Add	*175.91*	
		For 1-3/4" Mesh Fabric, Add	*109.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.66*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*133.20*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*189.06*	
32 31 13 13-0396	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	998.17	103.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-128.83*	
		For Aluminized Steel Gate And Post, Add	*329.80*	
		For Powder Coated Gate And Post, Add	*178.64*	
		For 1" Mesh Fabric, Add	*298.88*	
		For 1-1/4" Mesh Fabric, Add	*192.38*	
		For 1-3/4" Mesh Fabric, Add	*119.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.78*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*143.17*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*202.51*	
32 31 13 13-0397	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,329.46	123.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.49*	
		For Aluminized Steel Gate And Post, Add	*459.50*	
		For Powder Coated Gate And Post, Add	*248.90*	
		For 1" Mesh Fabric, Add	*416.42*	
		For 1-1/4" Mesh Fabric, Add	*268.04*	
		For 1-3/4" Mesh Fabric, Add	*166.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.28*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*205.57*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*289.36*	
32 31 13 13-0398	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,452.70	133.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.27*	
		For Aluminized Steel Gate And Post, Add	*505.02*	
		For Powder Coated Gate And Post, Add	*273.55*	
		For 1" Mesh Fabric, Add	*457.67*	
		For 1-1/4" Mesh Fabric, Add	*294.59*	
		For 1-3/4" Mesh Fabric, Add	*183.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.53*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*222.98*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*313.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0399	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,640.20	144.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.13*	
		For Aluminized Steel Gate And Post, Add	*578.88*	
		For Powder Coated Gate And Post, Add	*313.56*	
		For 1" Mesh Fabric, Add	*524.61*	
		For 1-1/4" Mesh Fabric, Add	*337.68*	
		For 1-3/4" Mesh Fabric, Add	*209.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.92*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*246.89*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*344.65*	
32 31 13 13-0400	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,851.35	157.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.33*	
		For Aluminized Steel Gate And Post, Add	*661.33*	
		For Powder Coated Gate And Post, Add	*358.22*	
		For 1" Mesh Fabric, Add	*599.33*	
		For 1-1/4" Mesh Fabric, Add	*385.78*	
		For 1-3/4" Mesh Fabric, Add	*239.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.87*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*272.77*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*377.49*	
32 31 13 13-0401	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,236.15	173.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-884.13*	
		For Aluminized Steel Gate And Post, Add	*2,263.38*	
		For Powder Coated Gate And Post, Add	*1,226.00*	
		For 1" Mesh Fabric, Add	*2,051.19*	
		For 1-1/4" Mesh Fabric, Add	*1,320.30*	
		For 1-3/4" Mesh Fabric, Add	*820.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-410.24*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*646.88*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*758.59*	
32 31 13 13-0402	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,821.99	192.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-983.16*	
		For Aluminized Steel Gate And Post, Add	*2,516.90*	
		For Powder Coated Gate And Post, Add	*1,363.32*	
		For 1" Mesh Fabric, Add	*2,280.94*	
		For 1-1/4" Mesh Fabric, Add	*1,468.19*	
		For 1-3/4" Mesh Fabric, Add	*912.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-456.19*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*711.96*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*830.65*	
32 31 13 13-0403	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,417.56	216.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,081.17*	
		For Aluminized Steel Gate And Post, Add	*2,767.80*	
		For Powder Coated Gate And Post, Add	*1,499.23*	
		For 1" Mesh Fabric, Add	*2,508.32*	
		For 1-1/4" Mesh Fabric, Add	*1,614.55*	
		For 1-3/4" Mesh Fabric, Add	*1,003.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-501.66*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*809.12*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*959.24*	
32 31 13 13-0404	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,038.29	247.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,180.20*	
		For Aluminized Steel Gate And Post, Add	*3,021.32*	
		For Powder Coated Gate And Post, Add	*1,636.55*	
		For 1" Mesh Fabric, Add	*2,738.07*	
		For 1-1/4" Mesh Fabric, Add	*1,762.44*	
		For 1-3/4" Mesh Fabric, Add	*1,095.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-547.61*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*874.20*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,031.30*	
32 31 13 13-0405	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,680.10	289.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,277.19*	
		For Aluminized Steel Gate And Post, Add	*3,269.62*	
		For Powder Coated Gate And Post, Add	*1,771.04*	
		For 1" Mesh Fabric, Add	*2,963.09*	
		For 1-1/4" Mesh Fabric, Add	*1,907.28*	
		For 1-3/4" Mesh Fabric, Add	*1,185.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-592.62*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*938.08*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,102.16*	
32 31 13 13-0406	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,375.58	346.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,375.20*	
		For Aluminized Steel Gate And Post, Add	*3,520.52*	
		For Powder Coated Gate And Post, Add	*1,906.95*	
		For 1" Mesh Fabric, Add	*3,190.47*	
		For 1-1/4" Mesh Fabric, Add	*2,053.64*	
		For 1-3/4" Mesh Fabric, Add	*1,276.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-638.09*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*1,002.57*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,173.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0407	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,165.18	433.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,474.23*	
		For Aluminized Steel Gate And Post, Add	*3,774.04*	
		For Powder Coated Gate And Post, Add	*2,044.27*	
		For 1" Mesh Fabric, Add	*3,420.22*	
		For 1-1/4" Mesh Fabric, Add	*2,201.52*	
		For 1-3/4" Mesh Fabric, Add	*1,368.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-684.04*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*1,067.64*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*1,245.68*	

32 31 13 13-0408 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0266)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0409 4' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0410	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	202.13	27.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-22.39*	
		For 1" Mesh Fabric, Add	*51.94*	
		For 1-1/4" Mesh Fabric, Add	*33.43*	
		For 1-3/4" Mesh Fabric, Add	*20.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-10.39*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*56.28*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*91.20*	
32 31 13 13-0411	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	241.93	27.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.85*	
		For 1" Mesh Fabric, Add	*69.25*	
		For 1-1/4" Mesh Fabric, Add	*44.58*	
		For 1-3/4" Mesh Fabric, Add	*27.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.85*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*64.16*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*102.56*	
32 31 13 13-0412	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	280.62	29.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.07*	
		For 1" Mesh Fabric, Add	*83.68*	
		For 1-1/4" Mesh Fabric, Add	*53.86*	
		For 1-3/4" Mesh Fabric, Add	*33.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.74*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*71.29*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*112.33*	
32 31 13 13-0413	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	331.43	35.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-42.29*	
		For 1" Mesh Fabric, Add	*98.11*	
		For 1-1/4" Mesh Fabric, Add	*63.15*	
		For 1-3/4" Mesh Fabric, Add	*39.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.62*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*78.43*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*123.81*	
32 31 13 13-0414	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	382.24	41.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-48.50*	
		For 1" Mesh Fabric, Add	*112.53*	
		For 1-1/4" Mesh Fabric, Add	*72.43*	
		For 1-3/4" Mesh Fabric, Add	*45.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.51*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*85.58*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*134.45*	
32 31 13 13-0415	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	433.07	47.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.73*	
		For 1" Mesh Fabric, Add	*126.96*	
		For 1-1/4" Mesh Fabric, Add	*81.72*	
		For 1-3/4" Mesh Fabric, Add	*50.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.39*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*92.72*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*145.08*	
32 31 13 13-0416	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	483.88	52.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-60.94*	
		For 1" Mesh Fabric, Add	*141.39*	
		For 1-1/4" Mesh Fabric, Add	*91.01*	
		For 1-3/4" Mesh Fabric, Add	*56.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.28*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*99.84*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*155.70*	
32 31 13 13-0417	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	534.69	58.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.16*	
		For 1" Mesh Fabric, Add	*155.81*	
		For 1-1/4" Mesh Fabric, Add	*100.29*	
		For 1-3/4" Mesh Fabric, Add	*62.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.16*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*106.99*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*166.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0418	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	654.09	58.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.55*	
		For 1" Mesh Fabric, Add	*207.75*	
		For 1-1/4" Mesh Fabric, Add	*133.73*	
		For 1-3/4" Mesh Fabric, Add	*83.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.55*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*152.80*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*236.59*	
32 31 13 13-0419	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	762.21	62.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.46*	
		For 1" Mesh Fabric, Add	*249.30*	
		For 1-1/4" Mesh Fabric, Add	*160.47*	
		For 1-3/4" Mesh Fabric, Add	*99.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.86*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*170.29*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*261.06*	
32 31 13 13-0420	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	872.29	67.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-125.37*	
		For 1" Mesh Fabric, Add	*290.85*	
		For 1-1/4" Mesh Fabric, Add	*187.22*	
		For 1-3/4" Mesh Fabric, Add	*116.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.17*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*187.78*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*285.54*	
32 31 13 13-0421	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	984.77	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.28*	
		For 1" Mesh Fabric, Add	*332.41*	
		For 1-1/4" Mesh Fabric, Add	*213.96*	
		For 1-3/4" Mesh Fabric, Add	*132.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.48*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*205.27*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*309.99*	
32 31 13 13-0422	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,141.03	93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.19*	
		For 1" Mesh Fabric, Add	*373.96*	
		For 1-1/4" Mesh Fabric, Add	*240.71*	
		For 1-3/4" Mesh Fabric, Add	*149.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.79*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*222.75*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*334.46*	
32 31 13 13-0423	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,256.64	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-179.10*	
		For 1" Mesh Fabric, Add	*415.50*	
		For 1-1/4" Mesh Fabric, Add	*267.45*	
		For 1-3/4" Mesh Fabric, Add	*166.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-83.10*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*240.24*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*358.93*	
32 31 13 13-0424	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,375.35	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.01*	
		For 1" Mesh Fabric, Add	*457.05*	
		For 1-1/4" Mesh Fabric, Add	*294.20*	
		For 1-3/4" Mesh Fabric, Add	*182.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.41*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*290.41*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*440.53*	
32 31 13 13-0425	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,497.92	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.92*	
		For 1" Mesh Fabric, Add	*498.61*	
		For 1-1/4" Mesh Fabric, Add	*320.94*	
		For 1-3/4" Mesh Fabric, Add	*199.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.72*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*307.89*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*464.99*	
32 31 13 13-0426	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,625.42	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-232.83*	
		For 1" Mesh Fabric, Add	*540.16*	
		For 1-1/4" Mesh Fabric, Add	*347.69*	
		For 1-3/4" Mesh Fabric, Add	*216.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-108.03*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*325.38*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*489.46*	
32 31 13 13-0427	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,759.30	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.74*	
		For 1" Mesh Fabric, Add	*581.71*	
		For 1-1/4" Mesh Fabric, Add	*374.43*	
		For 1-3/4" Mesh Fabric, Add	*232.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.34*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*342.88*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*513.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0428	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,901.72	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-268.65*	
		For 1" Mesh Fabric, Add	*623.26*	
		For 1-1/4" Mesh Fabric, Add	*401.18*	
		For 1-3/4" Mesh Fabric, Add	*249.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-124.65*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*360.37*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*538.41*	
32 31 13 13-0429		5' Fence Height *(32 31 13 13-0408)*		
32 31 13 13-0430	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	236.20	29.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.74*	
		For 1" Mesh Fabric, Add	*64.36*	
		For 1-1/4" Mesh Fabric, Add	*41.43*	
		For 1-3/4" Mesh Fabric, Add	*25.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.87*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*59.42*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*94.34*	
32 31 13 13-0431	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	285.52	29.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.99*	
		For 1" Mesh Fabric, Add	*85.81*	
		For 1-1/4" Mesh Fabric, Add	*55.24*	
		For 1-3/4" Mesh Fabric, Add	*34.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.16*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*68.35*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*106.75*	
32 31 13 13-0432	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	328.03	31.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.93*	
		For 1" Mesh Fabric, Add	*101.91*	
		For 1-1/4" Mesh Fabric, Add	*65.60*	
		For 1-3/4" Mesh Fabric, Add	*40.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.38*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*75.90*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*116.94*	
32 31 13 13-0433	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	383.76	37.51
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.86*	
		For 1" Mesh Fabric, Add	*117.99*	
		For 1-1/4" Mesh Fabric, Add	*75.95*	
		For 1-3/4" Mesh Fabric, Add	*47.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.60*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*83.46*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*128.84*	
32 31 13 13-0434	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	439.51	43.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.80*	
		For 1" Mesh Fabric, Add	*134.08*	
		For 1-1/4" Mesh Fabric, Add	*86.31*	
		For 1-3/4" Mesh Fabric, Add	*53.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.82*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*91.03*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*139.90*	
32 31 13 13-0435	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	496.34	50.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.73*	
		For 1" Mesh Fabric, Add	*150.17*	
		For 1-1/4" Mesh Fabric, Add	*96.66*	
		For 1-3/4" Mesh Fabric, Add	*60.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.03*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*98.58*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*150.94*	
32 31 13 13-0436	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	552.09	56.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.66*	
		For 1" Mesh Fabric, Add	*166.26*	
		For 1-1/4" Mesh Fabric, Add	*107.02*	
		For 1-3/4" Mesh Fabric, Add	*66.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.25*	
32 31 13 13-0437	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	607.82	62.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.60*	
		For 1" Mesh Fabric, Add	*182.35*	
		For 1-1/4" Mesh Fabric, Add	*117.37*	
		For 1-3/4" Mesh Fabric, Add	*72.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.47*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*113.70*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*173.04*	
32 31 13 13-0438	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	780.90	62.99
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-110.96*	
		For 1" Mesh Fabric, Add	*257.43*	
		For 1-1/4" Mesh Fabric, Add	*165.70*	
		For 1-3/4" Mesh Fabric, Add	*102.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.49*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*165.37*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*249.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0439	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	913.82	67.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-133.16*	
		For 1" Mesh Fabric, Add	*308.92*	
		For 1-1/4" Mesh Fabric, Add	*198.84*	
		For 1-3/4" Mesh Fabric, Add	*123.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.78*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*185.37*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*276.14*	
32 31 13 13-0440	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,049.14	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-155.35*	
		For 1" Mesh Fabric, Add	*360.41*	
		For 1-1/4" Mesh Fabric, Add	*231.99*	
		For 1-3/4" Mesh Fabric, Add	*144.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-72.08*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*205.37*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*303.13*	
32 31 13 13-0441	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,228.24	93.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.54*	
		For 1" Mesh Fabric, Add	*411.89*	
		For 1-1/4" Mesh Fabric, Add	*265.13*	
		For 1-3/4" Mesh Fabric, Add	*164.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.38*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*225.37*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*330.09*	
32 31 13 13-0442	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,366.70	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.73*	
		For 1" Mesh Fabric, Add	*463.38*	
		For 1-1/4" Mesh Fabric, Add	*298.27*	
		For 1-3/4" Mesh Fabric, Add	*185.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.68*	
32 31 13 13-0443	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,508.25	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-221.93*	
		For 1" Mesh Fabric, Add	*514.87*	
		For 1-1/4" Mesh Fabric, Add	*331.41*	
		For 1-3/4" Mesh Fabric, Add	*205.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.97*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*265.37*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*384.06*	
32 31 13 13-0444	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,653.66	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.12*	
		For 1" Mesh Fabric, Add	*566.35*	
		For 1-1/4" Mesh Fabric, Add	*364.55*	
		For 1-3/4" Mesh Fabric, Add	*226.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.27*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*318.05*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*468.17*	
32 31 13 13-0445	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,804.00	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.31*	
		For 1" Mesh Fabric, Add	*617.84*	
		For 1-1/4" Mesh Fabric, Add	*397.69*	
		For 1-3/4" Mesh Fabric, Add	*247.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.57*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*338.05*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*495.15*	
32 31 13 13-0446	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,960.72	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-288.50*	
		For 1" Mesh Fabric, Add	*669.33*	
		For 1-1/4" Mesh Fabric, Add	*430.83*	
		For 1-3/4" Mesh Fabric, Add	*267.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.87*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*358.04*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*522.12*	
32 31 13 13-0447	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,125.98	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-310.70*	
		For 1" Mesh Fabric, Add	*720.81*	
		For 1-1/4" Mesh Fabric, Add	*463.97*	
		For 1-3/4" Mesh Fabric, Add	*288.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-144.16*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*378.05*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*549.11*	
32 31 13 13-0448	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,302.96	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.89*	
		For 1" Mesh Fabric, Add	*772.30*	
		For 1-1/4" Mesh Fabric, Add	*497.11*	
		For 1-3/4" Mesh Fabric, Add	*308.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.46*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*398.05*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*576.09*	

32 31 13 13-0449 6' Fence Height *(32 31 13 13-0408)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0450	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	252.68	31.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-29.65*	
		For 1" Mesh Fabric, Add	*68.78*	
		For 1-1/4" Mesh Fabric, Add	*44.27*	
		For 1-3/4" Mesh Fabric, Add	*27.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.76*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*60.54*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*95.46*	
32 31 13 13-0451	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	305.38	31.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.53*	
		For 1" Mesh Fabric, Add	*91.71*	
		For 1-1/4" Mesh Fabric, Add	*59.03*	
		For 1-3/4" Mesh Fabric, Add	*36.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.34*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*69.84*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*108.24*	
32 31 13 13-0452	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	350.74	33.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.94*	
		For 1" Mesh Fabric, Add	*108.91*	
		For 1-1/4" Mesh Fabric, Add	*70.10*	
		For 1-3/4" Mesh Fabric, Add	*43.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.78*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*77.67*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*118.71*	
32 31 13 13-0453	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	411.22	40.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.35*	
		For 1" Mesh Fabric, Add	*126.10*	
		For 1-1/4" Mesh Fabric, Add	*81.17*	
		For 1-3/4" Mesh Fabric, Add	*50.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.22*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*85.51*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*130.89*	
32 31 13 13-0454	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	471.71	47.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.76*	
		For 1" Mesh Fabric, Add	*143.29*	
		For 1-1/4" Mesh Fabric, Add	*92.23*	
		For 1-3/4" Mesh Fabric, Add	*57.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.66*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*93.36*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*142.23*	
32 31 13 13-0455	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	531.09	54.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.18*	
		For 1" Mesh Fabric, Add	*160.49*	
		For 1-1/4" Mesh Fabric, Add	*103.30*	
		For 1-3/4" Mesh Fabric, Add	*64.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.10*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*101.19*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*153.55*	
32 31 13 13-0456	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	591.59	61.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-76.59*	
		For 1" Mesh Fabric, Add	*177.68*	
		For 1-1/4" Mesh Fabric, Add	*114.37*	
		For 1-3/4" Mesh Fabric, Add	*71.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.54*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*109.02*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*164.88*	
32 31 13 13-0457	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	652.08	67.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-84.00*	
		For 1" Mesh Fabric, Add	*194.88*	
		For 1-1/4" Mesh Fabric, Add	*125.44*	
		For 1-3/4" Mesh Fabric, Add	*77.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.98*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*116.87*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*176.21*	
32 31 13 13-0458	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	836.13	67.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.59*	
		For 1" Mesh Fabric, Add	*275.12*	
		For 1-1/4" Mesh Fabric, Add	*177.09*	
		For 1-3/4" Mesh Fabric, Add	*110.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.02*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*169.84*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*253.63*	
32 31 13 13-0459	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	979.58	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-142.31*	
		For 1" Mesh Fabric, Add	*330.15*	
		For 1-1/4" Mesh Fabric, Add	*212.51*	
		For 1-3/4" Mesh Fabric, Add	*132.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.03*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*190.74*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*281.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0460	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,186.91	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-166.02*	
		For 1" Mesh Fabric, Add	*385.17*	
		For 1-1/4" Mesh Fabric, Add	*247.93*	
		For 1-3/4" Mesh Fabric, Add	*154.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.03*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*211.63*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*309.39*	
32 31 13 13-0461	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,336.60	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.74*	
		For 1" Mesh Fabric, Add	*440.20*	
		For 1-1/4" Mesh Fabric, Add	*283.35*	
		For 1-3/4" Mesh Fabric, Add	*176.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.04*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*232.52*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*337.24*	
32 31 13 13-0462	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,490.14	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-213.46*	
		For 1" Mesh Fabric, Add	*495.22*	
		For 1-1/4" Mesh Fabric, Add	*318.76*	
		For 1-3/4" Mesh Fabric, Add	*198.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.04*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*253.42*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*365.13*	
32 31 13 13-0463	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,671.99	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.56*	
		For 1" Mesh Fabric, Add	*560.41*	
		For 1-1/4" Mesh Fabric, Add	*360.73*	
		For 1-3/4" Mesh Fabric, Add	*224.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*276.88*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*395.57*	
32 31 13 13-0464	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,817.71	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-261.69*	
		For 1" Mesh Fabric, Add	*607.12*	
		For 1-1/4" Mesh Fabric, Add	*390.79*	
		For 1-3/4" Mesh Fabric, Add	*242.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.42*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*328.35*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*478.47*	
32 31 13 13-0465	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,986.86	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.61*	
		For 1" Mesh Fabric, Add	*660.30*	
		For 1-1/4" Mesh Fabric, Add	*425.02*	
		For 1-3/4" Mesh Fabric, Add	*264.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.06*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*348.78*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*505.88*	
32 31 13 13-0466	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,171.97	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-308.33*	
		For 1" Mesh Fabric, Add	*715.32*	
		For 1-1/4" Mesh Fabric, Add	*460.43*	
		For 1-3/4" Mesh Fabric, Add	*286.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-143.06*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*369.68*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*533.76*	
32 31 13 13-0467	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,373.83	200.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.05*	
		For 1" Mesh Fabric, Add	*770.35*	
		For 1-1/4" Mesh Fabric, Add	*495.85*	
		For 1-3/4" Mesh Fabric, Add	*308.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.07*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*390.58*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*561.64*	
32 31 13 13-0468	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,600.81	234.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.76*	
		For 1" Mesh Fabric, Add	*825.37*	
		For 1-1/4" Mesh Fabric, Add	*531.27*	
		For 1-3/4" Mesh Fabric, Add	*330.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.07*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*411.47*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*589.51*	

32 31 13 13-0469 7' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0470	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	267.89	33.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-31.14*	
		For 1" Mesh Fabric, Add	*72.24*	
		For 1-1/4" Mesh Fabric, Add	*46.50*	
		For 1-3/4" Mesh Fabric, Add	*28.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-14.45*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*61.42*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*96.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0471	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	323.26	33.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-41.52*	
		For 1" Mesh Fabric, Add	*96.33*	
		For 1-1/4" Mesh Fabric, Add	*62.00*	
		For 1-3/4" Mesh Fabric, Add	*38.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-19.27*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*71.01*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*109.41*	
32 31 13 13-0472	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	369.97	35.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-49.31*	
		For 1" Mesh Fabric, Add	*114.39*	
		For 1-1/4" Mesh Fabric, Add	*73.63*	
		For 1-3/4" Mesh Fabric, Add	*45.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-22.88*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*79.06*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*120.10*	
32 31 13 13-0473	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	434.64	43.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.09*	
		For 1" Mesh Fabric, Add	*132.45*	
		For 1-1/4" Mesh Fabric, Add	*85.25*	
		For 1-3/4" Mesh Fabric, Add	*52.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.49*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*87.11*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*132.49*	
32 31 13 13-0474	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	498.24	50.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-64.88*	
		For 1" Mesh Fabric, Add	*150.51*	
		For 1-1/4" Mesh Fabric, Add	*96.88*	
		For 1-3/4" Mesh Fabric, Add	*60.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.10*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*95.18*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*144.05*	
32 31 13 13-0475	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	562.94	58.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.66*	
		For 1" Mesh Fabric, Add	*168.58*	
		For 1-1/4" Mesh Fabric, Add	*108.51*	
		For 1-3/4" Mesh Fabric, Add	*67.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.72*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*103.24*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*155.60*	
32 31 13 13-0476	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	626.50	65.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.45*	
		For 1" Mesh Fabric, Add	*186.64*	
		For 1-1/4" Mesh Fabric, Add	*120.13*	
		For 1-3/4" Mesh Fabric, Add	*74.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.33*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*111.29*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*167.15*	
32 31 13 13-0477	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	691.20	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.23*	
		For 1" Mesh Fabric, Add	*204.70*	
		For 1-1/4" Mesh Fabric, Add	*131.76*	
		For 1-3/4" Mesh Fabric, Add	*81.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.94*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*119.35*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*178.69*	
32 31 13 13-0478	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	884.95	73.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.56*	
		For 1" Mesh Fabric, Add	*288.98*	
		For 1-1/4" Mesh Fabric, Add	*186.01*	
		For 1-3/4" Mesh Fabric, Add	*115.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.80*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*173.35*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*257.14*	
32 31 13 13-0479	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,098.64	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-149.47*	
		For 1" Mesh Fabric, Add	*346.77*	
		For 1-1/4" Mesh Fabric, Add	*223.21*	
		For 1-3/4" Mesh Fabric, Add	*138.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.35*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*194.94*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*285.71*	
32 31 13 13-0480	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,254.71	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-174.39*	
		For 1" Mesh Fabric, Add	*404.58*	
		For 1-1/4" Mesh Fabric, Add	*260.42*	
		For 1-3/4" Mesh Fabric, Add	*161.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-80.92*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*216.54*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*314.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0481	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,414.60	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-199.29*	
		For 1" Mesh Fabric, Add	*462.36*	
		For 1-1/4" Mesh Fabric, Add	*297.61*	
		For 1-3/4" Mesh Fabric, Add	*184.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.47*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*238.13*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*342.85*	
32 31 13 13-0482	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,579.46	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-224.21*	
		For 1" Mesh Fabric, Add	*520.16*	
		For 1-1/4" Mesh Fabric, Add	*334.82*	
		For 1-3/4" Mesh Fabric, Add	*208.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.03*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*259.73*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*371.44*	
32 31 13 13-0483	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,750.67	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-249.12*	
		For 1" Mesh Fabric, Add	*577.95*	
		For 1-1/4" Mesh Fabric, Add	*372.02*	
		For 1-3/4" Mesh Fabric, Add	*231.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.59*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*281.32*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*400.01*	
32 31 13 13-0484	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,930.41	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-274.03*	
		For 1" Mesh Fabric, Add	*635.74*	
		For 1-1/4" Mesh Fabric, Add	*409.21*	
		For 1-3/4" Mesh Fabric, Add	*254.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-127.15*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*335.59*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*485.71*	
32 31 13 13-0485	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,121.91	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.94*	
		For 1" Mesh Fabric, Add	*693.54*	
		For 1-1/4" Mesh Fabric, Add	*446.42*	
		For 1-3/4" Mesh Fabric, Add	*277.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.71*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*357.19*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*514.29*	
32 31 13 13-0486	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,330.15	200.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.86*	
		For 1" Mesh Fabric, Add	*751.35*	
		For 1-1/4" Mesh Fabric, Add	*483.62*	
		For 1-3/4" Mesh Fabric, Add	*300.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.27*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*378.79*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*542.87*	
32 31 13 13-0487	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,563.49	234.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-348.77*	
		For 1" Mesh Fabric, Add	*809.13*	
		For 1-1/4" Mesh Fabric, Add	*520.82*	
		For 1-3/4" Mesh Fabric, Add	*323.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-161.83*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*400.39*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*571.45*	
32 31 13 13-0488	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,837.04	281.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-373.68*	
		For 1" Mesh Fabric, Add	*866.94*	
		For 1-1/4" Mesh Fabric, Add	*558.03*	
		For 1-3/4" Mesh Fabric, Add	*346.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-173.39*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*421.99*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*600.03*	

32 31 13 13-0489 8' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0490	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	311.61	36.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-37.74*	
		For 1" Mesh Fabric, Add	*87.57*	
		For 1-1/4" Mesh Fabric, Add	*56.36*	
		For 1-3/4" Mesh Fabric, Add	*35.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.51*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*65.29*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*100.21*	
32 31 13 13-0491	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	378.71	36.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.33*	
		For 1" Mesh Fabric, Add	*116.75*	
		For 1-1/4" Mesh Fabric, Add	*75.15*	
		For 1-3/4" Mesh Fabric, Add	*46.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.35*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*76.17*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*114.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0492	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	423.44	36.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.71*	
		For 1" Mesh Fabric, Add	*136.21*	
		For 1-1/4" Mesh Fabric, Add	*87.68*	
		For 1-3/4" Mesh Fabric, Add	*54.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.24*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*84.57*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*125.61*	
32 31 13 13-0493	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	496.85	46.33
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.10*	
		For 1" Mesh Fabric, Add	*155.67*	
		For 1-1/4" Mesh Fabric, Add	*100.20*	
		For 1-3/4" Mesh Fabric, Add	*62.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.13*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*92.98*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*138.36*	
32 31 13 13-0494	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	570.27	55.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.49*	
		For 1" Mesh Fabric, Add	*175.13*	
		For 1-1/4" Mesh Fabric, Add	*112.73*	
		For 1-3/4" Mesh Fabric, Add	*70.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.03*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*101.41*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*150.28*	
32 31 13 13-0495	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	642.58	64.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-83.87*	
		For 1" Mesh Fabric, Add	*194.59*	
		For 1-1/4" Mesh Fabric, Add	*125.25*	
		For 1-3/4" Mesh Fabric, Add	*77.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.92*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*109.82*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*162.18*	
32 31 13 13-0496	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	716.00	74.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.26*	
		For 1" Mesh Fabric, Add	*214.05*	
		For 1-1/4" Mesh Fabric, Add	*137.78*	
		For 1-3/4" Mesh Fabric, Add	*85.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-42.81*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*118.22*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*174.08*	
32 31 13 13-0497	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	789.40	84.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.65*	
		For 1" Mesh Fabric, Add	*233.51*	
		For 1-1/4" Mesh Fabric, Add	*150.30*	
		For 1-3/4" Mesh Fabric, Add	*93.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.70*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*126.64*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*185.98*	
32 31 13 13-0498	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,106.64	100.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.97*	
		For 1" Mesh Fabric, Add	*350.25*	
		For 1-1/4" Mesh Fabric, Add	*225.45*	
		For 1-3/4" Mesh Fabric, Add	*140.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*188.84*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*272.63*	
32 31 13 13-0499	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,290.87	108.15
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.17*	
		For 1" Mesh Fabric, Add	*420.31*	
		For 1-1/4" Mesh Fabric, Add	*270.54*	
		For 1-3/4" Mesh Fabric, Add	*168.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.06*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*213.53*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*304.30*	
32 31 13 13-0500	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,478.96	117.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-211.36*	
		For 1" Mesh Fabric, Add	*490.36*	
		For 1-1/4" Mesh Fabric, Add	*315.63*	
		For 1-3/4" Mesh Fabric, Add	*196.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-98.07*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*238.23*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*335.99*	
32 31 13 13-0501	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,671.97	127.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.55*	
		For 1" Mesh Fabric, Add	*560.41*	
		For 1-1/4" Mesh Fabric, Add	*360.72*	
		For 1-3/4" Mesh Fabric, Add	*224.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.08*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*262.92*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*367.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0502	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,871.37	140.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-271.75*	
		For 1" Mesh Fabric, Add	*630.46*	
		For 1-1/4" Mesh Fabric, Add	*405.81*	
		For 1-3/4" Mesh Fabric, Add	*252.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-126.09*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*287.62*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*399.33*	
32 31 13 13-0503	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,079.31	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-301.94*	
		For 1" Mesh Fabric, Add	*700.51*	
		For 1-1/4" Mesh Fabric, Add	*450.90*	
		For 1-3/4" Mesh Fabric, Add	*280.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-140.10*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*312.31*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*431.00*	
32 31 13 13-0504	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,298.96	175.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-332.14*	
		For 1" Mesh Fabric, Add	*770.56*	
		For 1-1/4" Mesh Fabric, Add	*495.99*	
		For 1-3/4" Mesh Fabric, Add	*308.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-154.11*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*369.68*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*519.80*	
32 31 13 13-0505	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,535.36	200.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.33*	
		For 1" Mesh Fabric, Add	*840.61*	
		For 1-1/4" Mesh Fabric, Add	*541.08*	
		For 1-3/4" Mesh Fabric, Add	*336.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.12*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*394.38*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*551.48*	
32 31 13 13-0506	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,796.89	234.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-392.53*	
		For 1" Mesh Fabric, Add	*910.66*	
		For 1-1/4" Mesh Fabric, Add	*586.17*	
		For 1-3/4" Mesh Fabric, Add	*364.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-182.13*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*419.07*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*583.15*	
32 31 13 13-0507	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,098.59	281.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-422.72*	
		For 1" Mesh Fabric, Add	*980.71*	
		For 1-1/4" Mesh Fabric, Add	*631.26*	
		For 1-3/4" Mesh Fabric, Add	*392.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-196.14*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*443.78*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*614.84*	
32 31 13 13-0508	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,470.66	351.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.92*	
		For 1" Mesh Fabric, Add	*1,050.76*	
		For 1-1/4" Mesh Fabric, Add	*676.35*	
		For 1-3/4" Mesh Fabric, Add	*420.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.15*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*468.47*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*646.51*	
32 31 13 13-0509		**10' Fence Height** *(32 31 13 13-0408)*		
32 31 13 13-0510	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	356.07	40.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.78*	
		For 1" Mesh Fabric, Add	*101.58*	
		For 1-1/4" Mesh Fabric, Add	*65.38*	
		For 1-3/4" Mesh Fabric, Add	*40.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.32*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*68.84*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*103.76*	
32 31 13 13-0511	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	433.91	40.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-58.38*	
		For 1" Mesh Fabric, Add	*135.44*	
		For 1-1/4" Mesh Fabric, Add	*87.18*	
		For 1-3/4" Mesh Fabric, Add	*54.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.09*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*80.90*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*119.30*	
32 31 13 13-0512	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	491.20	42.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-68.11*	
		For 1" Mesh Fabric, Add	*158.01*	
		For 1-1/4" Mesh Fabric, Add	*101.71*	
		For 1-3/4" Mesh Fabric, Add	*63.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.60*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*90.09*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*131.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0513	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	573.99	52.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.84*	
		For 1" Mesh Fabric, Add	*180.59*	
		For 1-1/4" Mesh Fabric, Add	*116.24*	
		For 1-3/4" Mesh Fabric, Add	*72.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.12*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*99.29*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*144.67*	
32 31 13 13-0514	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	655.66	62.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-87.57*	
		For 1" Mesh Fabric, Add	*203.16*	
		For 1-1/4" Mesh Fabric, Add	*130.77*	
		For 1-3/4" Mesh Fabric, Add	*81.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-40.63*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*108.49*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*157.36*	
32 31 13 13-0515	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	738.44	73.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.30*	
		For 1" Mesh Fabric, Add	*225.73*	
		For 1-1/4" Mesh Fabric, Add	*145.30*	
		For 1-3/4" Mesh Fabric, Add	*90.29*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.15*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*117.69*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*170.05*	
32 31 13 13-0516	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	820.12	83.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.03*	
		For 1" Mesh Fabric, Add	*248.31*	
		For 1-1/4" Mesh Fabric, Add	*159.83*	
		For 1-3/4" Mesh Fabric, Add	*99.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-49.66*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*126.88*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*182.74*	
32 31 13 13-0517	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	902.90	93.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-116.76*	
		For 1" Mesh Fabric, Add	*270.88*	
		For 1-1/4" Mesh Fabric, Add	*174.36*	
		For 1-3/4" Mesh Fabric, Add	*108.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-54.18*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*136.09*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*195.43*	
32 31 13 13-0518	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,269.00	111.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.13*	
		For 1" Mesh Fabric, Add	*406.31*	
		For 1-1/4" Mesh Fabric, Add	*261.53*	
		For 1-3/4" Mesh Fabric, Add	*162.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.26*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*203.02*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*286.81*	
32 31 13 13-0519	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,481.46	120.02
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-210.16*	
		For 1" Mesh Fabric, Add	*487.58*	
		For 1-1/4" Mesh Fabric, Add	*313.84*	
		For 1-3/4" Mesh Fabric, Add	*195.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-97.52*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*230.55*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*321.32*	
32 31 13 13-0520	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,698.46	130.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.19*	
		For 1" Mesh Fabric, Add	*568.84*	
		For 1-1/4" Mesh Fabric, Add	*366.15*	
		For 1-3/4" Mesh Fabric, Add	*227.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.77*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*258.07*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*355.83*	
32 31 13 13-0521	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,920.61	141.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-280.22*	
		For 1" Mesh Fabric, Add	*650.10*	
		For 1-1/4" Mesh Fabric, Add	*418.45*	
		For 1-3/4" Mesh Fabric, Add	*260.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-130.02*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*285.60*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*390.32*	
32 31 13 13-0522	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,150.24	156.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-315.24*	
		For 1" Mesh Fabric, Add	*731.37*	
		For 1-1/4" Mesh Fabric, Add	*470.76*	
		For 1-3/4" Mesh Fabric, Add	*292.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.27*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*313.13*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*424.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0523	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,388.88	173.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-350.27*	
		For 1" Mesh Fabric, Add	*812.62*	
		For 1-1/4" Mesh Fabric, Add	*523.07*	
		For 1-3/4" Mesh Fabric, Add	*325.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-162.52*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*340.66*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*459.35*	
32 31 13 13-0524	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,641.08	195.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-385.30*	
		For 1" Mesh Fabric, Add	*893.89*	
		For 1-1/4" Mesh Fabric, Add	*575.37*	
		For 1-3/4" Mesh Fabric, Add	*357.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-178.78*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*400.87*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*550.99*	
32 31 13 13-0525	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,911.21	222.89
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.32*	
		For 1" Mesh Fabric, Add	*975.15*	
		For 1-1/4" Mesh Fabric, Add	*627.68*	
		For 1-3/4" Mesh Fabric, Add	*390.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.03*	
32 31 13 13-0526	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,210.10	260.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-455.35*	
		For 1" Mesh Fabric, Add	*1,056.41*	
		For 1-1/4" Mesh Fabric, Add	*679.99*	
		For 1-3/4" Mesh Fabric, Add	*422.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.28*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*455.93*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*620.01*	
32 31 13 13-0527	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,552.39	312.04
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-490.38*	
		For 1" Mesh Fabric, Add	*1,137.68*	
		For 1-1/4" Mesh Fabric, Add	*732.30*	
		For 1-3/4" Mesh Fabric, Add	*455.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-227.54*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*483.47*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*654.53*	
32 31 13 13-0528	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,974.50	390.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-525.41*	
		For 1" Mesh Fabric, Add	*1,218.94*	
		For 1-1/4" Mesh Fabric, Add	*784.60*	
		For 1-3/4" Mesh Fabric, Add	*487.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-243.79*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*511.00*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*689.04*	

32 31 13 13-0529 12' Fence Height *(32 31 13 13-0408)*

32 31 13 13-0530	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	461.85	45.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.06*	
		For 1" Mesh Fabric, Add	*141.66*	
		For 1-1/4" Mesh Fabric, Add	*91.18*	
		For 1-3/4" Mesh Fabric, Add	*56.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.33*	
		For 3' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*78.97*	
		For 3' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*113.89*	
32 31 13 13-0531	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	570.10	45.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.36*	
		For 1" Mesh Fabric, Add	*188.75*	
		For 1-1/4" Mesh Fabric, Add	*121.49*	
		For 1-3/4" Mesh Fabric, Add	*75.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.75*	
		For 4' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*94.38*	
		For 4' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*132.78*	
32 31 13 13-0532	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	655.63	47.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-96.46*	
		For 1" Mesh Fabric, Add	*223.78*	
		For 1-1/4" Mesh Fabric, Add	*144.04*	
		For 1-3/4" Mesh Fabric, Add	*89.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.76*	
		For 5' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*106.72*	
		For 5' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*147.76*	
32 31 13 13-0533	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	756.93	58.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.04*	
		For 1" Mesh Fabric, Add	*252.97*	
		For 1-1/4" Mesh Fabric, Add	*162.83*	
		For 1-3/4" Mesh Fabric, Add	*101.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.59*	
		For 6' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*117.59*	
		For 6' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*162.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0534	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	865.68	69.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-123.02*	
		For 1" Mesh Fabric, Add	*285.39*	
		For 1-1/4" Mesh Fabric, Add	*183.70*	
		For 1-3/4" Mesh Fabric, Add	*114.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.08*	
		For 7' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*129.29*	
		For 7' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*178.16*	
32 31 13 13-0535	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	973.34	80.86
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.00*	
		For 1" Mesh Fabric, Add	*317.83*	
		For 1-1/4" Mesh Fabric, Add	*204.58*	
		For 1-3/4" Mesh Fabric, Add	*127.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-63.57*	
		For 8' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*140.98*	
		For 8' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*193.34*	
32 31 13 13-0536	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,082.08	92.22
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.97*	
		For 1" Mesh Fabric, Add	*350.26*	
		For 1-1/4" Mesh Fabric, Add	*225.45*	
		For 1-3/4" Mesh Fabric, Add	*140.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.05*	
		For 9' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*152.66*	
		For 9' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*208.52*	
32 31 13 13-0537	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,183.38	103.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.55*	
		For 1" Mesh Fabric, Add	*379.45*	
		For 1-1/4" Mesh Fabric, Add	*244.24*	
		For 1-3/4" Mesh Fabric, Add	*151.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.89*	
		For 10' Wide Single Gate With 3 Strands Barbed Wire And Single Extension Arms, Add	*163.54*	
		For 10' Wide Single Gate With 6 Strands Barbed Wire And Double Extension Arms, Add	*222.88*	
32 31 13 13-0538	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,680.03	123.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.25*	
		For 1" Mesh Fabric, Add	*568.98*	
		For 1-1/4" Mesh Fabric, Add	*366.24*	
		For 1-3/4" Mesh Fabric, Add	*227.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.80*	
		For 10' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*244.15*	
		For 10' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*327.94*	
32 31 13 13-0539	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,012.76	133.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-302.28*	
		For 1" Mesh Fabric, Add	*701.30*	
		For 1-1/4" Mesh Fabric, Add	*451.41*	
		For 1-3/4" Mesh Fabric, Add	*280.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-140.26*	
		For 12' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*284.59*	
		For 12' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*375.36*	
32 31 13 13-0540	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,316.56	144.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-352.94*	
		For 1" Mesh Fabric, Add	*818.83*	
		For 1-1/4" Mesh Fabric, Add	*527.06*	
		For 1-3/4" Mesh Fabric, Add	*327.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.77*	
		For 14' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*321.29*	
		For 14' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*419.05*	
32 31 13 13-0541	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,624.33	157.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-403.27*	
		For 1" Mesh Fabric, Add	*935.58*	
		For 1-1/4" Mesh Fabric, Add	*602.21*	
		For 1-3/4" Mesh Fabric, Add	*374.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-187.12*	
		For 16' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*357.79*	
		For 16' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*462.51*	
32 31 13 13-0542	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,936.62	173.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.92*	
		For 1" Mesh Fabric, Add	*1,050.78*	
		For 1-1/4" Mesh Fabric, Add	*676.36*	
		For 1-3/4" Mesh Fabric, Add	*420.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.16*	
		For 18' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*393.90*	
		For 18' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*505.61*	
32 31 13 13-0543	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,262.43	192.69
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-503.25*	
		For 1" Mesh Fabric, Add	*1,167.53*	
		For 1-1/4" Mesh Fabric, Add	*751.51*	
		For 1-3/4" Mesh Fabric, Add	*467.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-233.51*	
		For 20' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*430.41*	
		For 20' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*549.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0544	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,603.68	216.83
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-553.57*	
		For 1" Mesh Fabric, Add	*1,284.29*	
		For 1-1/4" Mesh Fabric, Add	*826.67*	
		For 1-3/4" Mesh Fabric, Add	*513.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-256.86*	
		For 22' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*499.59*	
		For 22' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*649.71*	
32 31 13 13-0545	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,964.65	247.68
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-603.90*	
		For 1" Mesh Fabric, Add	*1,401.04*	
		For 1-1/4" Mesh Fabric, Add	*901.82*	
		For 1-3/4" Mesh Fabric, Add	*560.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.21*	
		For 24' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*536.10*	
		For 24' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*693.20*	
32 31 13 13-0546	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,366.52	289.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-655.90*	
		For 1" Mesh Fabric, Add	*1,521.68*	
		For 1-1/4" Mesh Fabric, Add	*979.47*	
		For 1-3/4" Mesh Fabric, Add	*608.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.34*	
		For 26' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*573.58*	
		For 26' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*737.66*	
32 31 13 13-0547	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,807.68	346.73
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-706.22*	
		For 1" Mesh Fabric, Add	*1,638.44*	
		For 1-1/4" Mesh Fabric, Add	*1,054.63*	
		For 1-3/4" Mesh Fabric, Add	*655.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-327.69*	
		For 28' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*610.10*	
		For 28' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*781.16*	
32 31 13 13-0548	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	5,337.52	433.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-756.55*	
		For 1" Mesh Fabric, Add	*1,755.19*	
		For 1-1/4" Mesh Fabric, Add	*1,129.78*	
		For 1-3/4" Mesh Fabric, Add	*702.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.04*	
		For 30' Wide Double Gates With 3 Strands Barbed Wire And Single Extension Arms, Add	*646.60*	
		For 30' Wide Double Gates With 6 Strands Barbed Wire And Double Extension Arms, Add	*824.64*	

32 31 13 13-0549 Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0266)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0645 for additonal gate accessories, 32 31 13 13-0730 for gate repacement parts.

32 31 13 13-0550 4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0551	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	2,709.56	428.11
		For 1" Mesh Fabric, Add	*806.18*	
		For 1-1/4" Mesh Fabric, Add	*518.92*	
		For 1-3/4" Mesh Fabric, Add	*322.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-161.24*	
		For Gate With Barb Wire Arm, Add	*203.86*	
		For Vinyl Coated, Add	*555.98*	
32 31 13 13-0552	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,257.55	516.87
		For 1" Mesh Fabric, Add	*967.41*	
		For 1-1/4" Mesh Fabric, Add	*622.70*	
		For 1-3/4" Mesh Fabric, Add	*386.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-193.48*	
		For Gate With Barb Wire Arm, Add	*244.63*	
		For Vinyl Coated, Add	*667.18*	
32 31 13 13-0553	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,800.72	603.00
		For 1" Mesh Fabric, Add	*1,128.65*	
		For 1-1/4" Mesh Fabric, Add	*726.49*	
		For 1-3/4" Mesh Fabric, Add	*451.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.73*	
		For Gate With Barb Wire Arm, Add	*285.41*	
		For Vinyl Coated, Add	*778.38*	
32 31 13 13-0554	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,351.37	693.08
		For 1" Mesh Fabric, Add	*1,289.89*	
		For 1-1/4" Mesh Fabric, Add	*830.27*	
		For 1-3/4" Mesh Fabric, Add	*515.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-257.98*	
		For Gate With Barb Wire Arm, Add	*326.18*	
		For Vinyl Coated, Add	*889.58*	
32 31 13 13-0555	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,895.35	779.72
		For 1" Mesh Fabric, Add	*1,451.13*	
		For 1-1/4" Mesh Fabric, Add	*934.06*	
		For 1-3/4" Mesh Fabric, Add	*580.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-290.23*	
		For Gate With Barb Wire Arm, Add	*366.95*	
		For Vinyl Coated, Add	*1,000.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0556	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,423.31	858.33
		For 1" Mesh Fabric, Add	*1,612.36*	
		For 1-1/4" Mesh Fabric, Add	*1,037.84*	
		For 1-3/4" Mesh Fabric, Add	*644.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-322.47*	
		For Gate With Barb Wire Arm, Add	*407.72*	
		For Vinyl Coated, Add	*1,111.97*	
32 31 13 13-0557	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,482.47	1,033.61
		For 1" Mesh Fabric, Add	*1,920.63*	
		For 1-1/4" Mesh Fabric, Add	*1,236.27*	
		For 1-3/4" Mesh Fabric, Add	*768.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.13*	
		For Gate With Barb Wire Arm, Add	*485.68*	
		For Vinyl Coated, Add	*1,324.58*	
32 31 13 13-0558	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	9,461.89	1,951.03
		For 1" Mesh Fabric, Add	*2,418.54*	
		For 1-1/4" Mesh Fabric, Add	*1,556.76*	
		For 1-3/4" Mesh Fabric, Add	*967.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-483.71*	
		For Gate With Barb Wire Arm, Add	*611.58*	
		For Vinyl Coated, Add	*1,667.96*	
32 31 13 13-0559	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	12,615.86	2,601.37
		For 1" Mesh Fabric, Add	*3,224.72*	
		For 1-1/4" Mesh Fabric, Add	*2,075.68*	
		For 1-3/4" Mesh Fabric, Add	*1,289.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-644.94*	
		For Gate With Barb Wire Arm, Add	*815.45*	
		For Vinyl Coated, Add	*2,223.95*	

32 31 13 13-0560 5' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0561	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	2,839.66	465.96
		For 1" Mesh Fabric, Add	*829.87*	
		For 1-1/4" Mesh Fabric, Add	*534.17*	
		For 1-3/4" Mesh Fabric, Add	*331.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.97*	
		For Gate With Barb Wire Arm, Add	*209.85*	
		For Vinyl Coated, Add	*572.33*	
32 31 13 13-0562	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,406.29	558.55
		For 1" Mesh Fabric, Add	*995.85*	
		For 1-1/4" Mesh Fabric, Add	*641.01*	
		For 1-3/4" Mesh Fabric, Add	*398.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-199.17*	
		For Gate With Barb Wire Arm, Add	*251.82*	
		For Vinyl Coated, Add	*686.79*	
32 31 13 13-0563	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,973.78	651.53
		For 1" Mesh Fabric, Add	*1,161.82*	
		For 1-1/4" Mesh Fabric, Add	*747.84*	
		For 1-3/4" Mesh Fabric, Add	*464.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.36*	
		For Gate With Barb Wire Arm, Add	*293.79*	
		For Vinyl Coated, Add	*801.26*	
32 31 13 13-0564	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,541.85	744.78
		For 1" Mesh Fabric, Add	*1,327.80*	
		For 1-1/4" Mesh Fabric, Add	*854.68*	
		For 1-3/4" Mesh Fabric, Add	*531.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-265.56*	
		For Gate With Barb Wire Arm, Add	*335.77*	
		For Vinyl Coated, Add	*915.73*	
32 31 13 13-0565	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,109.25	837.62
		For 1" Mesh Fabric, Add	*1,493.77*	
		For 1-1/4" Mesh Fabric, Add	*961.51*	
		For 1-3/4" Mesh Fabric, Add	*597.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-298.75*	
		For Gate With Barb Wire Arm, Add	*377.73*	
		For Vinyl Coated, Add	*1,030.19*	
32 31 13 13-0566	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,677.03	930.74
		For 1" Mesh Fabric, Add	*1,659.75*	
		For 1-1/4" Mesh Fabric, Add	*1,068.34*	
		For 1-3/4" Mesh Fabric, Add	*663.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-331.95*	
		For Gate With Barb Wire Arm, Add	*419.71*	
		For Vinyl Coated, Add	*1,144.65*	
32 31 13 13-0567	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,781.36	1,118.15
		For 1" Mesh Fabric, Add	*1,977.08*	
		For 1-1/4" Mesh Fabric, Add	*1,272.61*	
		For 1-3/4" Mesh Fabric, Add	*790.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-395.42*	
		For Gate With Barb Wire Arm, Add	*499.95*	
		For Vinyl Coated, Add	*1,363.51*	
32 31 13 13-0568	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,516.03	1,396.44
		For 1" Mesh Fabric, Add	*2,489.62*	
		For 1-1/4" Mesh Fabric, Add	*1,602.51*	
		For 1-3/4" Mesh Fabric, Add	*995.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-497.92*	
		For Gate With Barb Wire Arm, Add	*629.56*	
		For Vinyl Coated, Add	*1,716.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0569	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	11,354.05	1,861.47
		For 1" Mesh Fabric, Add	*3,319.49*	
		For 1-1/4" Mesh Fabric, Add	*2,136.68*	
		For 1-3/4" Mesh Fabric, Add	*1,327.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-663.90*	
		For Gate With Barb Wire Arm, Add	*839.41*	
		For Vinyl Coated, Add	*2,289.30*	

32 31 13 13-0570 6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0571	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,038.35	546.28
		For 1" Mesh Fabric, Add	*846.46*	
		For 1-1/4" Mesh Fabric, Add	*544.85*	
		For 1-3/4" Mesh Fabric, Add	*338.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-169.29*	
		For Gate With Barb Wire Arm, Add	*214.05*	
		For Vinyl Coated, Add	*583.76*	
32 31 13 13-0572	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,642.18	653.51
		For 1" Mesh Fabric, Add	*1,015.75*	
		For 1-1/4" Mesh Fabric, Add	*653.82*	
		For 1-3/4" Mesh Fabric, Add	*406.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.15*	
		For Gate With Barb Wire Arm, Add	*256.86*	
		For Vinyl Coated, Add	*700.52*	
32 31 13 13-0573	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,248.96	762.32
		For 1" Mesh Fabric, Add	*1,185.04*	
		For 1-1/4" Mesh Fabric, Add	*762.79*	
		For 1-3/4" Mesh Fabric, Add	*474.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.01*	
		For Gate With Barb Wire Arm, Add	*299.67*	
		For Vinyl Coated, Add	*817.27*	
32 31 13 13-0574	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,856.24	871.39
		For 1" Mesh Fabric, Add	*1,354.33*	
		For 1-1/4" Mesh Fabric, Add	*871.75*	
		For 1-3/4" Mesh Fabric, Add	*541.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-270.87*	
		For Gate With Barb Wire Arm, Add	*342.48*	
		For Vinyl Coated, Add	*934.02*	
32 31 13 13-0575	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,463.03	980.20
		For 1" Mesh Fabric, Add	*1,523.63*	
		For 1-1/4" Mesh Fabric, Add	*980.73*	
		For 1-3/4" Mesh Fabric, Add	*609.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-304.73*	
		For Gate With Barb Wire Arm, Add	*385.28*	
		For Vinyl Coated, Add	*1,050.78*	
32 31 13 13-0576	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,077.16	1,092.70
		For 1" Mesh Fabric, Add	*1,692.92*	
		For 1-1/4" Mesh Fabric, Add	*1,089.70*	
		For 1-3/4" Mesh Fabric, Add	*677.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-338.58*	
		For Gate With Barb Wire Arm, Add	*428.09*	
		For Vinyl Coated, Add	*1,167.53*	
32 31 13 13-0577	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,250.10	1,307.15
		For 1" Mesh Fabric, Add	*2,016.60*	
		For 1-1/4" Mesh Fabric, Add	*1,298.04*	
		For 1-3/4" Mesh Fabric, Add	*806.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-403.32*	
		For Gate With Barb Wire Arm, Add	*509.94*	
		For Vinyl Coated, Add	*1,390.76*	
32 31 13 13-0578	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	9,106.26	1,634.36
		For 1" Mesh Fabric, Add	*2,539.38*	
		For 1-1/4" Mesh Fabric, Add	*1,634.54*	
		For 1-3/4" Mesh Fabric, Add	*1,015.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-507.88*	
		For Gate With Barb Wire Arm, Add	*642.14*	
		For Vinyl Coated, Add	*1,751.30*	
32 31 13 13-0579	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	12,139.88	2,178.14
		For 1" Mesh Fabric, Add	*3,385.84*	
		For 1-1/4" Mesh Fabric, Add	*2,179.39*	
		For 1-3/4" Mesh Fabric, Add	*1,354.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-677.17*	
		For Gate With Barb Wire Arm, Add	*856.19*	
		For Vinyl Coated, Add	*2,335.06*	

32 31 13 13-0580 7' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0581	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,240.79	609.32
		For 1" Mesh Fabric, Add	*879.63*	
		For 1-1/4" Mesh Fabric, Add	*566.20*	
		For 1-3/4" Mesh Fabric, Add	*351.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.93*	
		For Gate With Barb Wire Arm, Add	*222.44*	
		For Vinyl Coated, Add	*606.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0582	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,888.01	730.66
		For 1" Mesh Fabric, Add	*1,055.59*	
		For 1-1/4" Mesh Fabric, Add	*679.46*	
		For 1-3/4" Mesh Fabric, Add	*422.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-211.12*	
		For Gate With Barb Wire Arm, Add	*266.93*	
		For Vinyl Coated, Add	*727.99*	
32 31 13 13-0583	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,537.18	853.05
		For 1" Mesh Fabric, Add	*1,231.48*	
		For 1-1/4" Mesh Fabric, Add	*792.68*	
		For 1-3/4" Mesh Fabric, Add	*492.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-246.30*	
		For Gate With Barb Wire Arm, Add	*311.41*	
		For Vinyl Coated, Add	*849.30*	
32 31 13 13-0584	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,184.27	974.39
		For 1" Mesh Fabric, Add	*1,407.41*	
		For 1-1/4" Mesh Fabric, Add	*905.92*	
		For 1-3/4" Mesh Fabric, Add	*562.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-281.48*	
		For Gate With Barb Wire Arm, Add	*355.90*	
		For Vinyl Coated, Add	*970.63*	
32 31 13 13-0585	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,832.51	1,096.39
		For 1" Mesh Fabric, Add	*1,583.33*	
		For 1-1/4" Mesh Fabric, Add	*1,019.16*	
		For 1-3/4" Mesh Fabric, Add	*633.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-316.67*	
		For Gate With Barb Wire Arm, Add	*400.38*	
		For Vinyl Coated, Add	*1,091.96*	
32 31 13 13-0586	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,479.90	1,217.86
		For 1" Mesh Fabric, Add	*1,759.26*	
		For 1-1/4" Mesh Fabric, Add	*1,132.40*	
		For 1-3/4" Mesh Fabric, Add	*703.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.85*	
		For Gate With Barb Wire Arm, Add	*444.87*	
		For Vinyl Coated, Add	*1,213.28*	
32 31 13 13-0587	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,740.27	1,461.32
		For 1" Mesh Fabric, Add	*2,095.63*	
		For 1-1/4" Mesh Fabric, Add	*1,348.91*	
		For 1-3/4" Mesh Fabric, Add	*838.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-419.13*	
		For Gate With Barb Wire Arm, Add	*529.93*	
		For Vinyl Coated, Add	*1,445.26*	
32 31 13 13-0588	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,719.83	1,826.66
		For 1" Mesh Fabric, Add	*2,638.89*	
		For 1-1/4" Mesh Fabric, Add	*1,698.59*	
		For 1-3/4" Mesh Fabric, Add	*1,055.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-527.78*	
		For Gate With Barb Wire Arm, Add	*667.31*	
		For Vinyl Coated, Add	*1,819.92*	
32 31 13 13-0589	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	12,959.78	2,435.59
		For 1" Mesh Fabric, Add	*3,518.52*	
		For 1-1/4" Mesh Fabric, Add	*2,264.79*	
		For 1-3/4" Mesh Fabric, Add	*1,407.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-703.70*	
		For Gate With Barb Wire Arm, Add	*889.74*	
		For Vinyl Coated, Add	*2,426.57*	

32 31 13 13-0590 8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*

32 31 13 13-0591	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,402.26	660.10
		For 1" Mesh Fabric, Add	*905.70*	
		For 1-1/4" Mesh Fabric, Add	*582.98*	
		For 1-3/4" Mesh Fabric, Add	*362.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.14*	
		For Gate With Barb Wire Arm, Add	*229.03*	
		For Vinyl Coated, Add	*624.62*	
32 31 13 13-0592	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,078.91	790.27
		For 1" Mesh Fabric, Add	*1,086.83*	
		For 1-1/4" Mesh Fabric, Add	*699.57*	
		For 1-3/4" Mesh Fabric, Add	*434.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.37*	
		For Gate With Barb Wire Arm, Add	*274.83*	
		For Vinyl Coated, Add	*749.54*	
32 31 13 13-0593	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,758.82	922.03
		For 1" Mesh Fabric, Add	*1,267.97*	
		For 1-1/4" Mesh Fabric, Add	*816.16*	
		For 1-3/4" Mesh Fabric, Add	*507.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-253.59*	
		For Gate With Barb Wire Arm, Add	*320.64*	
		For Vinyl Coated, Add	*874.46*	
32 31 13 13-0594	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,438.97	1,053.79
		For 1" Mesh Fabric, Add	*1,449.11*	
		For 1-1/4" Mesh Fabric, Add	*932.76*	
		For 1-3/4" Mesh Fabric, Add	*579.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-289.82*	
		For Gate With Barb Wire Arm, Add	*366.44*	
		For Vinyl Coated, Add	*999.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0595	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,117.65	1,185.01
		For 1" Mesh Fabric, Add	*1,630.25*	
		For 1-1/4" Mesh Fabric, Add	*1,049.35*	
		For 1-3/4" Mesh Fabric, Add	*652.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.05*	
		For Gate With Barb Wire Arm, Add	*412.25*	
		For Vinyl Coated, Add	*1,124.31*	
32 31 13 13-0596	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,797.92	1,316.91
		For 1" Mesh Fabric, Add	*1,811.38*	
		For 1-1/4" Mesh Fabric, Add	*1,165.95*	
		For 1-3/4" Mesh Fabric, Add	*724.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-362.28*	
		For Gate With Barb Wire Arm, Add	*458.05*	
		For Vinyl Coated, Add	*1,249.23*	
32 31 13 13-0597	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	8,121.17	1,580.42
		For 1" Mesh Fabric, Add	*2,157.72*	
		For 1-1/4" Mesh Fabric, Add	*1,388.88*	
		For 1-3/4" Mesh Fabric, Add	*863.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-431.54*	
		For Gate With Barb Wire Arm, Add	*545.63*	
		For Vinyl Coated, Add	*1,488.08*	
32 31 13 13-0598	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	10,197.88	1,975.82
		For 1" Mesh Fabric, Add	*2,717.08*	
		For 1-1/4" Mesh Fabric, Add	*1,748.92*	
		For 1-3/4" Mesh Fabric, Add	*1,086.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-543.42*	
		For Gate With Barb Wire Arm, Add	*687.08*	
		For Vinyl Coated, Add	*1,873.85*	
32 31 13 13-0599	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	13,593.22	2,632.50
		For 1" Mesh Fabric, Add	*3,622.77*	
		For 1-1/4" Mesh Fabric, Add	*2,331.90*	
		For 1-3/4" Mesh Fabric, Add	*1,449.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-724.55*	
		For Gate With Barb Wire Arm, Add	*916.10*	
		For Vinyl Coated, Add	*2,498.46*	
32 31 13 13-0600		9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0549)*		
32 31 13 13-0601	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	3,593.08	720.11
		For 1" Mesh Fabric, Add	*936.49*	
		For 1-1/4" Mesh Fabric, Add	*602.80*	
		For 1-3/4" Mesh Fabric, Add	*374.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-187.30*	
		For Gate With Barb Wire Arm, Add	*236.81*	
		For Vinyl Coated, Add	*645.86*	
32 31 13 13-0602	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,306.33	861.50
		For 1" Mesh Fabric, Add	*1,123.79*	
		For 1-1/4" Mesh Fabric, Add	*723.36*	
		For 1-3/4" Mesh Fabric, Add	*449.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-224.76*	
		For Gate With Barb Wire Arm, Add	*284.18*	
		For Vinyl Coated, Add	*775.03*	
32 31 13 13-0603	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,023.74	1,004.86
		For 1" Mesh Fabric, Add	*1,311.09*	
		For 1-1/4" Mesh Fabric, Add	*843.92*	
		For 1-3/4" Mesh Fabric, Add	*524.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.22*	
		For Gate With Barb Wire Arm, Add	*331.54*	
		For Vinyl Coated, Add	*904.20*	
32 31 13 13-0604	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,742.28	1,148.88
		For 1" Mesh Fabric, Add	*1,498.39*	
		For 1-1/4" Mesh Fabric, Add	*964.48*	
		For 1-3/4" Mesh Fabric, Add	*599.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.68*	
		For Gate With Barb Wire Arm, Add	*378.90*	
		For Vinyl Coated, Add	*1,033.37*	
32 31 13 13-0605	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,459.93	1,292.38
		For 1" Mesh Fabric, Add	*1,685.69*	
		For 1-1/4" Mesh Fabric, Add	*1,085.04*	
		For 1-3/4" Mesh Fabric, Add	*674.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-337.14*	
		For Gate With Barb Wire Arm, Add	*426.27*	
		For Vinyl Coated, Add	*1,162.55*	
32 31 13 13-0606	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,177.56	1,435.87
		For 1" Mesh Fabric, Add	*1,872.99*	
		For 1-1/4" Mesh Fabric, Add	*1,205.60*	
		For 1-3/4" Mesh Fabric, Add	*749.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-374.60*	
		For Gate With Barb Wire Arm, Add	*473.63*	
		For Vinyl Coated, Add	*1,291.72*	
32 31 13 13-0607	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,574.77	1,722.86
		For 1" Mesh Fabric, Add	*2,231.10*	
		For 1-1/4" Mesh Fabric, Add	*1,436.11*	
		For 1-3/4" Mesh Fabric, Add	*892.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-446.22*	
		For Gate With Barb Wire Arm, Add	*564.19*	
		For Vinyl Coated, Add	*1,538.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0608	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,765.14	2,153.34
		For 1" Mesh Fabric, Add	*2,809.48*	
		For 1-1/4" Mesh Fabric, Add	*1,808.40*	
		For 1-3/4" Mesh Fabric, Add	*1,123.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-561.90*	
		For Gate With Barb Wire Arm, Add	*710.44*	
		For Vinyl Coated, Add	*1,937.57*	
32 31 13 13-0609	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	14,358.24	2,873.46
		For 1" Mesh Fabric, Add	*3,745.99*	
		For 1-1/4" Mesh Fabric, Add	*2,411.21*	
		For 1-3/4" Mesh Fabric, Add	*1,498.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-749.20*	
		For Gate With Barb Wire Arm, Add	*947.26*	
		For Vinyl Coated, Add	*2,583.44*	
32 31 13 13-0610		**10' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0549)*		
32 31 13 13-0611	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	3,829.71	792.12
		For 1" Mesh Fabric, Add	*976.78*	
		For 1-1/4" Mesh Fabric, Add	*628.73*	
		For 1-3/4" Mesh Fabric, Add	*390.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.36*	
		For Gate With Barb Wire Arm, Add	*247.00*	
		For Vinyl Coated, Add	*673.64*	
32 31 13 13-0612	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,595.65	950.52
		For 1" Mesh Fabric, Add	*1,172.13*	
		For 1-1/4" Mesh Fabric, Add	*754.47*	
		For 1-3/4" Mesh Fabric, Add	*468.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-234.43*	
		For Gate With Barb Wire Arm, Add	*296.40*	
		For Vinyl Coated, Add	*808.37*	
32 31 13 13-0613	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,362.13	1,109.18
		For 1" Mesh Fabric, Add	*1,367.49*	
		For 1-1/4" Mesh Fabric, Add	*880.22*	
		For 1-3/4" Mesh Fabric, Add	*547.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-273.50*	
		For Gate With Barb Wire Arm, Add	*345.80*	
		For Vinyl Coated, Add	*943.10*	
32 31 13 13-0614	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,127.84	1,267.58
		For 1" Mesh Fabric, Add	*1,562.84*	
		For 1-1/4" Mesh Fabric, Add	*1,005.97*	
		For 1-3/4" Mesh Fabric, Add	*625.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-312.57*	
		For Gate With Barb Wire Arm, Add	*395.20*	
		For Vinyl Coated, Add	*1,077.82*	
32 31 13 13-0615	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,893.46	1,425.85
		For 1" Mesh Fabric, Add	*1,758.19*	
		For 1-1/4" Mesh Fabric, Add	*1,131.71*	
		For 1-3/4" Mesh Fabric, Add	*703.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-351.64*	
		For Gate With Barb Wire Arm, Add	*444.60*	
		For Vinyl Coated, Add	*1,212.55*	
32 31 13 13-0616	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,659.40	1,584.25
		For 1" Mesh Fabric, Add	*1,953.55*	
		For 1-1/4" Mesh Fabric, Add	*1,257.45*	
		For 1-3/4" Mesh Fabric, Add	*781.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-390.71*	
		For Gate With Barb Wire Arm, Add	*494.00*	
		For Vinyl Coated, Add	*1,347.27*	
32 31 13 13-0617	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	9,153.13	1,901.83
		For 1" Mesh Fabric, Add	*2,327.06*	
		For 1-1/4" Mesh Fabric, Add	*1,497.88*	
		For 1-3/4" Mesh Fabric, Add	*930.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-465.41*	
		For Gate With Barb Wire Arm, Add	*588.45*	
		For Vinyl Coated, Add	*1,604.87*	
32 31 13 13-0618	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	11,489.11	2,376.36
		For 1" Mesh Fabric, Add	*2,930.32*	
		For 1-1/4" Mesh Fabric, Add	*1,886.18*	
		For 1-3/4" Mesh Fabric, Add	*1,172.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-586.06*	
		For Gate With Barb Wire Arm, Add	*741.00*	
		For Vinyl Coated, Add	*2,020.91*	
32 31 13 13-0619	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	15,315.02	3,166.65
		For 1" Mesh Fabric, Add	*3,907.10*	
		For 1-1/4" Mesh Fabric, Add	*2,514.92*	
		For 1-3/4" Mesh Fabric, Add	*1,562.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-781.42*	
		For Gate With Barb Wire Arm, Add	*988.00*	
		For Vinyl Coated, Add	*2,694.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0620		Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0266)*		
		Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0621	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	7,624.11	527.56
		For 1" Mesh Fabric, Add	*2,857.52*	
		For 1-1/4" Mesh Fabric, Add	*1,839.32*	
		For 1-3/4" Mesh Fabric, Add	*1,143.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-571.50*	
		For Gate With Single Barb Wire Arm, Add	*722.59*	
		For Gate With Double Barb Wire Arm, Add	*1,051.04*	
		For Aluminized Steel Gate And Post, Add	*3,153.12*	
		For Powder Coated Gate And Post, Add	*1,379.49*	
		For Vinyl Coated, Add	*1,970.70*	
32 31 13 13-0622	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	8,335.06	659.44
		For 1" Mesh Fabric, Add	*3,052.03*	
		For 1-1/4" Mesh Fabric, Add	*1,964.53*	
		For 1-3/4" Mesh Fabric, Add	*1,220.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-610.41*	
		For Gate With Single Barb Wire Arm, Add	*771.78*	
		For Gate With Double Barb Wire Arm, Add	*1,122.59*	
		For Aluminized Steel Gate And Post, Add	*3,367.76*	
		For Powder Coated Gate And Post, Add	*1,473.40*	
		For Vinyl Coated, Add	*2,104.85*	
32 31 13 13-0623	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	9,052.16	791.33
		For 1" Mesh Fabric, Add	*3,249.23*	
		For 1-1/4" Mesh Fabric, Add	*2,091.46*	
		For 1-3/4" Mesh Fabric, Add	*1,299.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-649.85*	
		For Gate With Single Barb Wire Arm, Add	*821.64*	
		For Gate With Double Barb Wire Arm, Add	*1,195.12*	
		For Aluminized Steel Gate And Post, Add	*3,585.36*	
		For Powder Coated Gate And Post, Add	*1,568.59*	
		For Vinyl Coated, Add	*2,240.85*	
32 31 13 13-0624	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	10,575.63	1,055.11
		For 1" Mesh Fabric, Add	*3,682.45*	
		For 1-1/4" Mesh Fabric, Add	*2,370.31*	
		For 1-3/4" Mesh Fabric, Add	*1,472.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-736.49*	
		For Gate With Single Barb Wire Arm, Add	*931.20*	
		For Gate With Double Barb Wire Arm, Add	*1,354.47*	
		For Aluminized Steel Gate And Post, Add	*4,063.40*	
		For Powder Coated Gate And Post, Add	*1,777.74*	
		For Vinyl Coated, Add	*2,539.62*	
32 31 13 13-0625	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	9,802.91	1,055.11
		For 1" Mesh Fabric, Add	*3,346.32*	
		For 1-1/4" Mesh Fabric, Add	*2,153.95*	
		For 1-3/4" Mesh Fabric, Add	*1,338.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-669.26*	
		For Gate With Single Barb Wire Arm, Add	*846.20*	
		For Gate With Double Barb Wire Arm, Add	*1,230.83*	
		For Aluminized Steel Gate And Post, Add	*3,692.49*	
		For Powder Coated Gate And Post, Add	*1,615.46*	
		For Vinyl Coated, Add	*2,307.81*	
32 31 13 13-0626	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	11,433.17	1,384.82
		For 1" Mesh Fabric, Add	*3,768.63*	
		For 1-1/4" Mesh Fabric, Add	*2,425.78*	
		For 1-3/4" Mesh Fabric, Add	*1,507.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-753.73*	
		For Gate With Single Barb Wire Arm, Add	*952.99*	
		For Gate With Double Barb Wire Arm, Add	*1,386.16*	
		For Aluminized Steel Gate And Post, Add	*4,158.48*	
		For Powder Coated Gate And Post, Add	*1,819.34*	
		For Vinyl Coated, Add	*2,599.05*	
32 31 13 13-0627	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	15,204.04	1,714.55
		For 1" Mesh Fabric, Add	*5,122.09*	
		For 1-1/4" Mesh Fabric, Add	*3,296.98*	
		For 1-3/4" Mesh Fabric, Add	*2,048.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,024.42*	
		For Gate With Single Barb Wire Arm, Add	*1,295.24*	
		For Gate With Double Barb Wire Arm, Add	*1,883.99*	
		For Aluminized Steel Gate And Post, Add	*5,651.97*	
		For Powder Coated Gate And Post, Add	*2,472.74*	
		For Vinyl Coated, Add	*3,532.48*	
32 31 13 13-0628	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	17,083.66	2,044.27
		For 1" Mesh Fabric, Add	*5,652.87*	
		For 1-1/4" Mesh Fabric, Add	*3,638.63*	
		For 1-3/4" Mesh Fabric, Add	*2,261.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,130.57*	
		For Gate With Single Barb Wire Arm, Add	*1,429.46*	
		For Gate With Double Barb Wire Arm, Add	*2,079.22*	
		For Aluminized Steel Gate And Post, Add	*6,237.65*	
		For Powder Coated Gate And Post, Add	*2,728.97*	
		For Vinyl Coated, Add	*3,898.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0629	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	20,078.34	2,242.10
		For 1" Mesh Fabric, Add	*6,783.45*	
		For 1-1/4" Mesh Fabric, Add	*4,366.36*	
		For 1-3/4" Mesh Fabric, Add	*2,713.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,356.69*	
		For Gate With Single Barb Wire Arm, Add	*1,715.35*	
		For Gate With Double Barb Wire Arm, Add	*2,495.06*	
		For Aluminized Steel Gate And Post, Add	*7,485.18*	
		For Powder Coated Gate And Post, Add	*3,274.77*	
		For Vinyl Coated, Add	*4,678.24*	
32 31 13 13-0630	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	11,439.03	1,318.89
		For 1" Mesh Fabric, Add	*3,828.55*	
		For 1-1/4" Mesh Fabric, Add	*2,464.35*	
		For 1-3/4" Mesh Fabric, Add	*1,531.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-765.71*	
		For Gate With Single Barb Wire Arm, Add	*968.14*	
		For Gate With Double Barb Wire Arm, Add	*1,408.20*	
		For Aluminized Steel Gate And Post, Add	*4,224.60*	
		For Powder Coated Gate And Post, Add	*1,848.26*	
		For Vinyl Coated, Add	*2,640.38*	
32 31 13 13-0631	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	13,471.32	1,780.50
		For 1" Mesh Fabric, Add	*4,310.99*	
		For 1-1/4" Mesh Fabric, Add	*2,774.89*	
		For 1-3/4" Mesh Fabric, Add	*1,724.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-862.20*	
		For Gate With Single Barb Wire Arm, Add	*1,090.14*	
		For Gate With Double Barb Wire Arm, Add	*1,585.65*	
		For Aluminized Steel Gate And Post, Add	*4,756.96*	
		For Powder Coated Gate And Post, Add	*2,081.17*	
		For Vinyl Coated, Add	*2,973.10*	
32 31 13 13-0632	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	17,953.69	2,242.10
		For 1" Mesh Fabric, Add	*5,859.22*	
		For 1-1/4" Mesh Fabric, Add	*3,771.45*	
		For 1-3/4" Mesh Fabric, Add	*2,343.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,171.84*	
		For Gate With Single Barb Wire Arm, Add	*1,481.64*	
		For Gate With Double Barb Wire Arm, Add	*2,155.12*	
		For Aluminized Steel Gate And Post, Add	*6,465.35*	
		For Powder Coated Gate And Post, Add	*2,828.59*	
		For Vinyl Coated, Add	*4,040.84*	
32 31 13 13-0633	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	20,139.09	2,637.77
		For 1" Mesh Fabric, Add	*6,465.64*	
		For 1-1/4" Mesh Fabric, Add	*4,161.79*	
		For 1-3/4" Mesh Fabric, Add	*2,586.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,293.13*	
		For Gate With Single Barb Wire Arm, Add	*1,634.99*	
		For Gate With Double Barb Wire Arm, Add	*2,378.17*	
		For Aluminized Steel Gate And Post, Add	*7,134.50*	
		For Powder Coated Gate And Post, Add	*3,121.35*	
		For Vinyl Coated, Add	*4,459.07*	
32 31 13 13-0634	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	23,639.36	2,901.54
		For 1" Mesh Fabric, Add	*7,758.77*	
		For 1-1/4" Mesh Fabric, Add	*4,994.15*	
		For 1-3/4" Mesh Fabric, Add	*3,103.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,551.75*	
		For Gate With Single Barb Wire Arm, Add	*1,961.99*	
		For Gate With Double Barb Wire Arm, Add	*2,853.80*	
		For Aluminized Steel Gate And Post, Add	*8,561.40*	
		For Powder Coated Gate And Post, Add	*3,745.61*	
		For Vinyl Coated, Add	*5,350.88*	
32 31 13 13-0635	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate	13,066.74	1,582.67
		For 1" Mesh Fabric, Add	*4,307.12*	
		For 1-1/4" Mesh Fabric, Add	*2,772.40*	
		For 1-3/4" Mesh Fabric, Add	*1,722.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-861.42*	
		For Gate With Single Barb Wire Arm, Add	*1,089.16*	
		For Gate With Double Barb Wire Arm, Add	*1,584.23*	
		For Aluminized Steel Gate And Post, Add	*4,752.68*	
		For Powder Coated Gate And Post, Add	*2,079.30*	
		For Vinyl Coated, Add	*2,970.43*	
32 31 13 13-0636	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate	15,113.79	2,044.27
		For 1" Mesh Fabric, Add	*4,795.98*	
		For 1-1/4" Mesh Fabric, Add	*3,087.07*	
		For 1-3/4" Mesh Fabric, Add	*1,918.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-959.20*	
		For Gate With Single Barb Wire Arm, Add	*1,212.78*	
		For Gate With Double Barb Wire Arm, Add	*1,764.04*	
		For Aluminized Steel Gate And Post, Add	*5,292.12*	
		For Powder Coated Gate And Post, Add	*2,315.30*	
		For Vinyl Coated, Add	*3,307.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0637	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate	19,901.16	2,374.00
		For 1" Mesh Fabric, Add	*6,591.63*	
		For 1-1/4" Mesh Fabric, Add	*4,242.89*	
		For 1-3/4" Mesh Fabric, Add	*2,636.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,318.33*	
		For Gate With Single Barb Wire Arm, Add	*1,666.85*	
		For Gate With Double Barb Wire Arm, Add	*2,424.51*	
		For Aluminized Steel Gate And Post, Add	*7,273.52*	
		For Powder Coated Gate And Post, Add	*3,182.17*	
		For Vinyl Coated, Add	*4,545.95*	
32 31 13 13-0638	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate	22,260.82	2,769.66
		For 1" Mesh Fabric, Add	*7,273.85*	
		For 1-1/4" Mesh Fabric, Add	*4,682.02*	
		For 1-3/4" Mesh Fabric, Add	*2,909.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,454.77*	
		For Gate With Single Barb Wire Arm, Add	*1,839.37*	
		For Gate With Double Barb Wire Arm, Add	*2,675.44*	
		For Aluminized Steel Gate And Post, Add	*8,026.32*	
		For Powder Coated Gate And Post, Add	*3,511.52*	
		For Vinyl Coated, Add	*5,016.45*	
32 31 13 13-0639	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate	26,132.66	3,033.44
		For 1" Mesh Fabric, Add	*8,728.62*	
		For 1-1/4" Mesh Fabric, Add	*5,618.42*	
		For 1-3/4" Mesh Fabric, Add	*3,491.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,745.72*	
		For Gate With Single Barb Wire Arm, Add	*2,207.24*	
		For Gate With Double Barb Wire Arm, Add	*3,210.53*	
		For Aluminized Steel Gate And Post, Add	*9,631.58*	
		For Powder Coated Gate And Post, Add	*4,213.82*	
		For Vinyl Coated, Add	*6,019.74*	
32 31 13 13-0640	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate	15,442.70	1,780.50
		For 1" Mesh Fabric, Add	*5,168.54*	
		For 1-1/4" Mesh Fabric, Add	*3,326.88*	
		For 1-3/4" Mesh Fabric, Add	*2,067.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,033.71*	
		For Gate With Single Barb Wire Arm, Add	*1,306.99*	
		For Gate With Double Barb Wire Arm, Add	*1,901.07*	
		For Aluminized Steel Gate And Post, Add	*5,703.22*	
		For Powder Coated Gate And Post, Add	*2,495.16*	
		For Vinyl Coated, Add	*3,564.51*	
32 31 13 13-0641	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate	17,863.15	2,242.10
		For 1" Mesh Fabric, Add	*5,819.84*	
		For 1-1/4" Mesh Fabric, Add	*3,746.10*	
		For 1-3/4" Mesh Fabric, Add	*2,327.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,163.97*	
		For Gate With Single Barb Wire Arm, Add	*1,471.68*	
		For Gate With Double Barb Wire Arm, Add	*2,140.63*	
		For Aluminized Steel Gate And Post, Add	*6,421.89*	
		For Powder Coated Gate And Post, Add	*2,809.58*	
		For Vinyl Coated, Add	*4,013.68*	
32 31 13 13-0642	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate	23,327.45	2,571.83
		For 1" Mesh Fabric, Add	*7,909.95*	
		For 1-1/4" Mesh Fabric, Add	*5,091.46*	
		For 1-3/4" Mesh Fabric, Add	*3,163.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,581.99*	
		For Gate With Single Barb Wire Arm, Add	*2,000.22*	
		For Gate With Double Barb Wire Arm, Add	*2,909.41*	
		For Aluminized Steel Gate And Post, Add	*8,728.22*	
		For Powder Coated Gate And Post, Add	*3,818.60*	
		For Vinyl Coated, Add	*5,455.14*	
32 31 13 13-0643	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate	25,868.89	2,901.54
		For 1" Mesh Fabric, Add	*8,728.62*	
		For 1-1/4" Mesh Fabric, Add	*5,618.42*	
		For 1-3/4" Mesh Fabric, Add	*3,491.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,745.72*	
		For Gate With Single Barb Wire Arm, Add	*2,207.24*	
		For Gate With Double Barb Wire Arm, Add	*3,210.53*	
		For Aluminized Steel Gate And Post, Add	*9,631.58*	
		For Powder Coated Gate And Post, Add	*4,213.82*	
		For Vinyl Coated, Add	*6,019.74*	
32 31 13 13-0644	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate	29,369.16	3,165.32
		For 1" Mesh Fabric, Add	*10,021.75*	
		For 1-1/4" Mesh Fabric, Add	*6,450.78*	
		For 1-3/4" Mesh Fabric, Add	*4,008.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-2,004.35*	
		For Gate With Single Barb Wire Arm, Add	*2,534.24*	
		For Gate With Double Barb Wire Arm, Add	*3,686.16*	
		For Aluminized Steel Gate And Post, Add	*11,058.48*	
		For Powder Coated Gate And Post, Add	*4,838.09*	
		For Vinyl Coated, Add	*6,911.55*	

32 31 13 13-0645 Gate Accessories *(32 31 13 13-0266)*

32 31 13 13-0646	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	70.57	17.85
32 31 13 13-0647	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	81.08	17.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0648	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	148.60	17.85
32 31 13 13-0649	EA	Gate Center Stop, Cast Steel, Ground	39.03	
32 31 13 13-0650	EA	Gate Latch, Malleable Galvanized Steel	54.29	
32 31 13 13-0651	EA	Gate Keeper, Full Length, Galvanized Steel	249.10	
32 31 13 13-0652	EA	Gate Keeper Hold-Open For Cantilever Gate	117.62	20.96
32 31 13 13-0653	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	65.79	
32 31 13 13-0654	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,140.22	
32 31 13 13-0655	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,222.11	
32 31 13 13-0656	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,304.01	
32 31 13 13-0657	LF	Aluminum V-Groove Gate Track	66.97	11.65
32 31 13 13-0658	LF	Galvanized Steel V-Groove Gate Track	48.63	11.65

32 31 13 13-0659 Vertical-Pivot Lift Gate *(32 31 13 13-0266)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0660	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	29,826.23	989.16
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0661	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	30,221.90	1,186.99
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0662	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	30,617.56	1,384.82
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0663	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	31,362.41	1,582.67
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0664	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	32,089.81	1,780.50
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0665	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	31,100.65	1,285.91
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0666	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	31,496.31	1,483.75
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0667	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	31,891.98	1,681.58
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0668	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	32,479.70	1,879.41
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0669	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	33,364.22	2,077.25
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	

32 31 13 13-0670 Accessories *(32 31 13 13)*

32 31 13 13-0671 Barbed And Concertina Wire *(32 31 13 13-0670)*

32 31 13 13-0672 Single Strand Barbed Wire *(32 31 13 13-0671)*

32 31 13 13-0673	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	1.25	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0674	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.30	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0675	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	1.41	0.55
		For >500 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.09*	
32 31 13 13-0676	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	17.50	8.82
32 31 13 13-0677	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	29.95	10.59
32 31 13 13-0678	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	14.55	8.82

32 31 13 13-0679 Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0671)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0680	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	6.07	0.77
		For >500 To 1,500, Deduct	*-0.51*	
		For >1,500 To 5,000, Deduct	*-1.02*	
		For >5,000, Deduct	*-1.44*	
		For Ground Installation, Deduct	*-0.55*	
		For Double Coil (Helix), Add	*4.97*	
32 31 13 13-0681	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	9.16	0.77
		For >500 To 1,500, Deduct	*-0.77*	
		For >1,500 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-2.16*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*7.51*	
32 31 13 13-0682	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	12.13	0.77
		For >500 To 1,500, Deduct	*-1.02*	
		For >1,500 To 5,000, Deduct	*-2.04*	
		For >5,000, Deduct	*-2.87*	
		For Ground Installation, Deduct	*-1.10*	
		For Double Coil (Helix), Add	*9.93*	
32 31 13 13-0683	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.68	0.77
		For >500 To 1,500, Deduct	*-0.86*	
		For >1,500 To 5,000, Deduct	*-1.72*	
		For >5,000, Deduct	*-2.38*	
		For Ground Installation, Deduct	*-0.61*	
		For Double Coil (Helix), Add	*9.46*	
32 31 13 13-0684	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	16.13	0.77
		For >500 To 1,500, Deduct	*-1.30*	
		For >1,500 To 5,000, Deduct	*-2.60*	
		For >5,000, Deduct	*-3.59*	
		For Ground Installation, Deduct	*-0.92*	
		For Double Coil (Helix), Add	*14.30*	
32 31 13 13-0685	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	21.32	0.77
		For >500 To 1,500, Deduct	*-1.72*	
		For >1,500 To 5,000, Deduct	*-3.44*	
		For >5,000, Deduct	*-4.75*	
		For Ground Installation, Deduct	*-1.22*	
		For Double Coil (Helix), Add	*18.89*	
32 31 13 13-0686	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	35.03	0.77
		For >500 To 1,500, Deduct	*-2.70*	
		For >1,500 To 5,000, Deduct	*-5.39*	
		For >5,000, Deduct	*-7.28*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*33.66*	
32 31 13 13-0687	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	53.03	0.77
		For >500 To 1,500, Deduct	*-4.08*	
		For >1,500 To 5,000, Deduct	*-8.16*	
		For >5,000, Deduct	*-11.02*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*50.97*	
32 31 13 13-0688	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	70.08	0.77
		For >500 To 1,500, Deduct	*-5.39*	
		For >1,500 To 5,000, Deduct	*-10.79*	
		For >5,000, Deduct	*-14.57*	
		For Ground Installation, Deduct	*-1.38*	
		For Double Coil (Helix), Add	*67.32*	

32 31 13 13-0689 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0671)*

32 31 13 13-0690	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.61	0.77
		For >500 To 1,500, Deduct	*-0.93*	
		For >1,500 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-2.54*	
		For Ground Installation, Deduct	*-0.55*	
		For Double Coil (Helix), Add	*10.51*	
32 31 13 13-0691	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	17.56	0.77
		For >500 To 1,500, Deduct	*-1.40*	
		For >1,500 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-3.84*	
		For Ground Installation, Deduct	*-0.83*	
		For Double Coil (Helix), Add	*15.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0692	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	23.21	0.77
		For >500 To 1,500, Deduct	*-1.85*	
		For >1,500 To 5,000, Deduct	*-3.70*	
		For >5,000, Deduct	*-5.08*	
		For Ground Installation, Deduct	*-1.10*	
		For Double Coil (Helix), Add	*21.01*	
32 31 13 13-0693	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.38	0.77
		For >500 To 1,500, Deduct	*-1.21*	
		For >1,500 To 5,000, Deduct	*-2.43*	
		For >5,000, Deduct	*-3.32*	
		For Ground Installation, Deduct	*-0.61*	
		For Double Coil (Helix), Add	*14.16*	
32 31 13 13-0694	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	23.26	0.77
		For >500 To 1,500, Deduct	*-1.84*	
		For >1,500 To 5,000, Deduct	*-3.67*	
		For >5,000, Deduct	*-5.02*	
		For Ground Installation, Deduct	*-0.92*	
		For Double Coil (Helix), Add	*21.43*	
32 31 13 13-0695	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	30.73	0.77
		For >500 To 1,500, Deduct	*-2.43*	
		For >1,500 To 5,000, Deduct	*-4.85*	
		For >5,000, Deduct	*-6.63*	
		For Ground Installation, Deduct	*-1.22*	
		For Double Coil (Helix), Add	*28.30*	
32 31 13 13-0696	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	52.82	0.77
		For >500 To 1,500, Deduct	*-4.03*	
		For >1,500 To 5,000, Deduct	*-8.06*	
		For >5,000, Deduct	*-10.84*	
		For Ground Installation, Deduct	*-0.69*	
		For Double Coil (Helix), Add	*51.45*	
32 31 13 13-0697	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	79.99	0.77
		For >500 To 1,500, Deduct	*-6.10*	
		For >1,500 To 5,000, Deduct	*-12.21*	
		For >5,000, Deduct	*-16.41*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*77.93*	
32 31 13 13-0698	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	105.66	0.77
		For >500 To 1,500, Deduct	*-8.06*	
		For >1,500 To 5,000, Deduct	*-16.13*	
		For >5,000, Deduct	*-21.68*	
		For Ground Installation, Deduct	*-1.38*	
		For Double Coil (Helix), Add	*102.90*	
32 31 13 13-0699		**Grounding For Gates** *(32 31 13 13-0670)* Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0700	OPNG	Grounding For Gates Note: Per opening	502.85	
32 31 13 13-0701		**Coiled Spring Reinforcing Wire** *(32 31 13 13-0670)*		
32 31 13 13-0702		**Galvanized Steel** *(32 31 13 13-0701)*		
32 31 13 13-0703	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.33	0.55
32 31 13 13-0704		**Vinyl Coated Steel** *(32 31 13 13-0701)*		
32 31 13 13-0705	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.33	0.55
32 31 13 13-0706		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0670)* Note: Only where specified.		
32 31 13 13-0707	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.72	
32 31 13 13-0708	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.49	
32 31 13 13-0709		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0670)* Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0710	EA	Mounting Plate For 1-5/8" Diameter Post	49.38	
32 31 13 13-0711	EA	Mounting Plate For 2" Diameter Post	50.20	
32 31 13 13-0712	EA	Mounting Plate For 2-1/2" Diameter Post	51.60	
32 31 13 13-0713	EA	Mounting Plate For 3" Diameter Post	62.27	
32 31 13 13-0714	EA	Mounting Plate For 4" Diameter Post	71.66	
32 31 13 13-0715	EA	Mounting Plate For 6-5/8" Diameter Post	83.11	
32 31 13 13-0716	EA	Mounting Plate For 8-5/8" Diameter Post	98.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0717		**Tension Bar** *(32 31 13 13-0670)*		
32 31 13 13-0718	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	19.25	
32 31 13 13-0719	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	20.53	
32 31 13 13-0720	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	25.75	
32 31 13 13-0721	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	29.99	
32 31 13 13-0722	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	35.70	
32 31 13 13-0723	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	41.67	
32 31 13 13-0724	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	47.18	
32 31 13 13-0725	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	56.99	
32 31 13 13-0726	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	68.28	
32 31 13 13-0727		**Truss Rods** *(32 31 13 13-0670)*		
32 31 13 13-0728	LF	3/8" Diameter Truss Rods	2.36	0.60
32 31 13 13-0729		**Fence And Gate Repair And Replacement** *(32 31 13 13)*		
32 31 13 13-0730		**Fence And Gate Parts Replacement** *(32 31 13 13-0729)*		
32 31 13 13-0731	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	142.26	
32 31 13 13-0732	EA	Sliding Gate Roller Assembly Replacement	138.83	
32 31 13 13-0733	EA	Rod And Lock Gate Keeper Replacement	141.98	
32 31 13 13-0734	EA	Galvanized Gate Holdback Replacement	30.62	
32 31 13 13-0735	LF	3/8" Cross Bracing Rod Replacement	1.80	
32 31 13 13-0736	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.83	
32 31 13 13-0737	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.54	
32 31 13 13-0738	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.65	
32 31 13 13-0739	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.86	
32 31 13 13-0740	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	54.66	
32 31 13 13-0741	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	94.77	
32 31 13 13-0742	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	29.01	
32 31 13 13-0743	EA	3" x 2" Off Set Gate Hinge Replacement	30.27	
32 31 13 13-0744	EA	4" x 2" Off Set Gate Hinge Replacement	32.28	
32 31 13 13-0745	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	53.31	
32 31 13 13-0746	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	84.50	
32 31 13 13-0747	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	6.63	
32 31 13 13-0748	EA	2" Aluminum Die-Cast Post Cap Replacement	7.29	
32 31 13 13-0749	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	8.65	
32 31 13 13-0750	EA	3" Aluminum Die-Cast Post Cap Replacement	10.19	
32 31 13 13-0751	EA	2" Galvanized Post Cap Replacement	7.06	
32 31 13 13-0752	EA	2-1/2" Galvanized Post Cap Replacement	7.64	
32 31 13 13-0753	EA	3" Galvanized Post Cap Replacement	8.76	
32 31 13 13-0754	EA	4" Galvanized Post Cap Replacement	13.16	
32 31 13 13-0755	EA	6-5/8" Galvanized Post Cap Replacement	25.17	
32 31 13 13-0756	EA	8-5/8" Galvanized Post Cap Replacement	41.52	
32 31 13 13-0757	EA	1-5/8" Boulevard Clamp Replacement	11.72	
32 31 13 13-0758	EA	2" Boulevard Clamp Replacement	14.29	
32 31 13 13-0759	EA	2-1/2" Boulevard Clamp Replacement	16.77	
32 31 13 13-0760	EA	3" Boulevard Clamp Replacement	20.35	
32 31 13 13-0761	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.47	
32 31 13 13-0762	EA	2" Gate Brace Or End Rail Clamp Replacement	13.96	
32 31 13 13-0763	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	16.43	
32 31 13 13-0764	EA	3" Gate Brace Or End Rail Clamp Replacement	19.99	
32 31 13 13-0765	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.08	
32 31 13 13-0766	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.19	
32 31 13 13-0767	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.48	
32 31 13 13-0768	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.35	
32 31 13 13-0769	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.57	
32 31 13 13-0770	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.74	
32 31 13 13-0771	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	13.26	
32 31 13 13-0772	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	17.03	
32 31 13 13-0773		**Removal And Reinstallation Of Chain Link Fences** *(32 31 13 13)*		
		Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.		
32 31 13 13-0774	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	22.06	
32 31 13 13-0775	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	33.10	
32 31 13 13-0776		**Ballfield Fencing** *(32 31 13 13)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 13-0777		**Concrete Bases For Ballfield Poles, Cast In Place** *(32 31 13 13-0776)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0778	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	135.76	
32 31 13 13-0779	VLF	3' Diameter Concrete Base For Ballfield Poles	160.46	
32 31 13 13-0780	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	202.24	
32 31 13 13-0781	VLF	4' Diameter Concrete Base For Ballfield Poles	239.43	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0782		**Ballfield Poles** *(32 31 13 13-0776)*		
32 31 13 13-0783	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,408.01	649.87
32 31 13 13-0784	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,428.38	812.33
32 31 13 13-0785	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	11,975.33	974.80
32 31 13 13-0786	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	16,141.26	1,137.26
32 31 13 13-0787	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	21,685.45	1,299.74
32 31 13 13-0788	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	24,230.56	1,462.20
32 31 13 13-0789		**Ballfield Nylon Netting** *(32 31 13 13-0776)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0790	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.98	
32 31 13 13-0791	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.03	
32 31 13 13-0792	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.26	
32 31 13 13-0793	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.54	
32 31 13 13-0794	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.81	
32 31 13 13-0795	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.73	
32 31 13 13-0796	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.22	
32 31 13 13-0797	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.49	
32 31 13 13-0798		**Ballfield Chainlink Netting** *(32 31 13 13-0776)* Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.		
32 31 13 13-0799	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	4.24	1.42
		For 13 Gauge Fabric, Deduct	*-0.63*	
		For 11 Gauge Fabric, Deduct	*-0.35*	
		For 6 Gauge Fabric, Add	*1.13*	
		For 1" Mesh Fabric, Add	*1.06*	
		For 1-3/4" Mesh Fabric, Add	*0.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.21*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.28*	
32 31 13 13-0800		**Ballfield Netting Accessories** *(32 31 13 13-0776)*		
32 31 13 13-0801	EA	Sliding Clip For Ballfield Netting	9.73	
32 31 13 13-0802	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	4.38	
32 31 13 13-0803	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.59	
32 31 13 13-0804	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.91	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		**Regulation Baseball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	14,198.51	2,167.11
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	20,532.58	2,889.48
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	26,235.19	3,371.06
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,119.40	2,167.11
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	29,392.11	2,889.48
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	37,926.71	3,371.06
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	15.37	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	18.37	
32 31 13 33-0010		**Regulation Softball Backstop** *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0011		**14' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	12,174.74	2,293.68
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	16,421.29	2,293.68
32 31 13 33-0014		**18' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	14,228.14	2,549.93
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	19,365.10	2,549.93
32 31 13 33-0017		**20' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	16,134.33	2,688.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	22,230.26	2,688.55
32 31 13 33-0020		**22' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	18,609.16	2,769.66
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	25,937.90	2,769.66
32 31 13 33-0023		**24' High Softball Backstop** *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	22,179.32	3,165.32
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	31,288.87	3,165.32
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		**Welded Wire Fence** *(32 31 16)*		
32 31 16 00-0002		**12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh** *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.75	1.93
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.63	1.93
32 31 16 00-0005		**14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh** *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.57	1.93
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	11.35	1.93
32 31 16 00-0008		**Welded Wire, Fence Panel Assembly (Designmaster)** *(32 31 16)*		
32 31 16 00-0009		**Galvanized Welded Wire, Fence Panel Assembly (Designmaster)** *(32 31 16 00-0008)* Note: Includes 6 gauge galvanized welded wire panels with "V" brace. Includes posts and hardware for connecting panels to the posts. Excludes drilling or augering and concrete fill. Heights indicated are panel heights. Posts are a minimum of 2' longer than panel height for embedding in concrete. Demolition excludes concrete footing removal on posts and excavation.		
32 31 16 00-0010	LF	2' High, Galvanized Welded Wire, Fence Panel Assembly (Designmaster)	36.94	4.81
		For Up To 100, Add	*7.43*	
		For >100 To 250, Add	*2.79*	
		For >2,500 To 5,000, Deduct	*-1.39*	
		For >5,000, Deduct	*-2.79*	
32 31 16 00-0011	LF	4' High, Galvanized Welded Wire, Fence Panel Assembly (Designmaster)	45.58	4.81
		For Up To 100, Add	*8.97*	
		For >100 To 250, Add	*3.35*	
		For >2,500 To 5,000, Deduct	*-1.67*	
		For >5,000, Deduct	*-3.35*	
32 31 16 00-0012	LF	5' High, Galvanized Welded Wire, Fence Panel Assembly (Designmaster)	52.36	4.81
		For Up To 100, Add	*9.99*	
		For >100 To 250, Add	*3.69*	
		For >2,500 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-3.69*	
32 31 16 00-0013	LF	6' High, Galvanized Welded Wire, Fence Panel Assembly (Designmaster)	59.69	4.81
		For Up To 100, Add	*11.09*	
		For >100 To 250, Add	*4.05*	
		For >2,500 To 5,000, Deduct	*-2.03*	
		For >5,000, Deduct	*-4.05*	
32 31 16 00-0014	LF	8' High, Galvanized Welded Wire, Fence Panel Assembly (Designmaster)	71.51	4.81
		For Up To 100, Add	*12.86*	
		For >100 To 250, Add	*4.64*	
		For >2,500 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-4.64*	
32 31 16 00-0015	LF	6' High, Galvanized Welded Wire, Fence Panel Assembly With Post Arm Angle (Designmaster)	60.94	4.81
		For Up To 100, Add	*11.28*	
		For >100 To 250, Add	*4.12*	
		For >2,500 To 5,000, Deduct	*-2.06*	
		For >5,000, Deduct	*-4.12*	
32 31 16 00-0016	LF	8' High, Galvanized Welded Wire, Fence Panel Assembly With Post Arm Angle (Designmaster)	73.24	4.81
		For Up To 100, Add	*13.12*	
		For >100 To 250, Add	*4.73*	
		For >2,500 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-4.73*	
32 31 16 00-0017		**Galvanized Welded Wire, Fence Panel Assembly With Steel Mounting Plate (Designmaster)** *(32 31 16 00-0008)* Note: For installation on existing concrete using a mechanically fastened mounting plate. Includes 6 gauge galvanized welded wire panels with "V" brace. Includes posts and hardware for connecting panels to the posts. Includes drilling, steel mounting plate and fasteners. Heights indicated are panel heights.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 16 00-0018	LF	4' High, Galvanized Welded Wire Fence Panel Assembly With Steel Mounting Plate (Designmaster)	50.57	4.81
		For Up To 100, Add	*9.72*	
		For >100 To 250, Add	*3.60*	
		For >2,500 To 5,000, Deduct	*-1.80*	
		For >5,000, Deduct	*-3.60*	
32 31 16 00-0019	LF	6' High, Galvanized Welded Wire Fence Panel Assembly With Steel Mounting Plate (Designmaster)	63.65	4.81
		For Up To 100, Add	*11.68*	
		For >100 To 250, Add	*4.25*	
		For >2,500 To 5,000, Deduct	*-2.13*	
		For >5,000, Deduct	*-4.25*	
32 31 16 00-0020	LF	8' High, Galvanized Welded Wire Fence Panel Assembly With Steel Mounting Plate (Designmaster)	74.60	4.81
		For Up To 100, Add	*13.33*	
		For >100 To 250, Add	*4.80*	
		For >2,500 To 5,000, Deduct	*-2.40*	
		For >5,000, Deduct	*-4.80*	
32 31 16 00-0021	LF	8' High, Galvanized Welded Wire Fence Panel Assembly With Steel Mounting Plate And Post Arm Angle (Designmaster)	75.86	4.81
		For Up To 100, Add	*13.52*	
		For >100 To 250, Add	*4.86*	
		For >2,500 To 5,000, Deduct	*-2.43*	
		For >5,000, Deduct	*-4.86*	
32 31 16 00-0022		Galvanized Welded Wire, Gates (Designmaster) *(32 31 16 00-0008)*		
32 31 16 00-0023		Galvanized Welded Wire, Swing Gates (Designmaster) *(32 31 16 00-0022)*		
32 31 16 00-0024	EA	4' Wide x 6' High, Galvanized Welded Wire, Single Swing Gate (Designmaster)	797.61	31.44
32 31 16 00-0025	EA	12' Wide x 6' High, Galvanized Welded Wire, Double Swing Gate (Designmaster)	1,823.13	73.47
32 31 16 00-0026	EA	4' Wide x 8' High, Galvanized Welded Wire, Single Swing Gate (Designmaster)	920.37	31.44
32 31 16 00-0027	EA	12' Wide x 8' High, Galvanized Welded Wire, Double Swing Gate (Designmaster)	2,143.63	73.47
32 31 16 00-0028		Galvanized Welded Wire, Sliding Gates (Designmaster) *(32 31 16 00-0022)*		
32 31 16 00-0029	EA	12' Wide x 6' High, Galvanized Welded Wire, Single Sliding Gate (Designmaster)	3,767.18	653.51
32 31 16 00-0030	EA	21' Wide x 6' High, Galvanized Welded Wire, Double Sliding Gate (Designmaster)	5,522.95	653.51
32 31 16 00-0031	EA	12' Wide x 8' High, Galvanized Welded Wire, Single Sliding Gate (Designmaster)	4,259.19	653.51
32 31 16 00-0032	EA	21' Wide x 8' High, Galvanized Welded Wire, Double Sliding Gate (Designmaster)	6,366.12	653.51
32 31 17		**Expanded Metal Fences and Gates** *(32 31)*		
32 31 17 00-0001		High Security 4D Fencing (GUARDIAR USA LLC) *(32 31 17)*		
32 31 17 00-0002	LF	6' High Securifor 4-D Panel, Powder Coated Black With Posts And Fastners Note: Includes drilling 12" diameter hole in soil, 3"x3"x12 gauge 10' posts set 4' concrete, posts installed on 8' centers, 6' high x 8' wide panels attached with type 4 rail brackets and fastners.	137.35	35.12
32 31 17 00-0003	LF	8' High Securifor 4-D Panel, Powder Coated Black With Posts And Fastners Note: Includes drilling 12" diameter hole in soil, 3"x3"x12 gauge 12' posts set 4' concrete, posts installed on 8' centers, 8' high x 8' wide panels attached with type 4 rail brackets and fastners.	167.90	41.66
32 31 17 00-0004	LF	10' High Securifor 4-D Panel, Powder Coated Black With Posts And Fastners Note: Includes drilling 12" diameter hole in soil, 3"x3"x12 gauge 14' posts set 4' concrete, posts installed on 8' centers, 10' high x 8' wide panels attached with type 4 rail brackets and fastners.	195.16	46.77
32 31 17 00-0005		High Security 4D Fence Gates *(32 31 17)*		
32 31 17 00-0006	EA	6' High x 4' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	2,540.57	353.00
32 31 17 00-0007	EA	6' High x 8' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	4,060.83	410.91
32 31 17 00-0008	EA	6' High x 10' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	4,855.92	456.70
32 31 17 00-0009	EA	6' High x 12' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	5,335.75	546.60
32 31 17 00-0010	EA	6' High x 14' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	5,967.82	637.60
32 31 17 00-0011	EA	6' High x 16' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	6,599.89	728.61
32 31 17 00-0012	EA	8' High x 4' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	2,991.91	422.49
32 31 17 00-0013	EA	8' High x 8' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	4,744.47	496.96
32 31 17 00-0014	EA	8' High x 10' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	5,651.43	552.12
32 31 17 00-0015	EA	8' High x 12' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	6,168.77	660.77
32 31 17 00-0016	EA	8' High x 14' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	6,839.44	771.08
32 31 17 00-0017	EA	8' High x 16' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	7,437.70	881.39
32 31 17 00-0018	EA	10' High x 4' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	3,464.22	506.33
32 31 17 00-0019	EA	10' High x 8' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	5,444.23	596.23
32 31 17 00-0020	EA	10' High x 10' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	6,476.71	662.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 17 00-0021	EA	10' High x 12' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	7,041.49	794.80
32 31 17 00-0022	EA	10' High x 14' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	7,757.39	927.73
32 31 17 00-0023	EA	10' High x 16' Wide SECURIFOR 4-D Panel Gates, Powder Coated Black With Posts And Fasteners Note: Includes drilling 12" diameter hole in soil, posts set in concrete	8,622.21	1,060.10

32 31 19 Decorative Metal Fences and Gates *(32 31)*

See CSI section 32 31 13 13-0001 for drilling and grouting.

32 31 19 00-0001 Wrought Iron Fence *(32 31 19)*

Note: Factory primed.

32 31 19 00-0002 Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)*

Note: Factory primed 8 foot long panel sections.

32 31 19 00-0003	LF	3' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	60.55	12.14
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*10.78*	
		For Verticals Up To 2" On Center, Add	*11.61*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.26*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.90*	
		For Verticals >4" To 6" On Center, Deduct	*-3.27*	
		For Pickets Extending Above Top Rail, Add	*5.75*	
		For Curved Pickets Extending Above Top Rail, Add	*13.61*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	77.90	15.44
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*13.77*	
		For Verticals Up To 2" On Center, Add	*15.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.62*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.85*	
		For Verticals >4" To 6" On Center, Deduct	*-4.33*	
		For Pickets Extending Above Top Rail, Add	*7.50*	
		For Curved Pickets Extending Above Top Rail, Add	*17.87*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	93.08	16.11
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*16.23*	
		For Verticals Up To 2" On Center, Add	*19.41*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.13*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.85*	
		For Verticals >4" To 6" On Center, Deduct	*-5.46*	
		For Pickets Extending Above Top Rail, Add	*9.20*	
		For Curved Pickets Extending Above Top Rail, Add	*22.14*	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	112.75	19.42
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*19.64*	
		For Verticals Up To 2" On Center, Add	*23.63*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.77*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.91*	
		For Verticals >4" To 6" On Center, Deduct	*-6.65*	
		For Pickets Extending Above Top Rail, Add	*11.18*	
		For Curved Pickets Extending Above Top Rail, Add	*26.92*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	132.86	20.54
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*22.81*	
		For Verticals Up To 2" On Center, Add	*29.37*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.35*	
		For Verticals >2-1/2" To 3" On Center, Add	*7.34*	
		For Verticals >4" To 6" On Center, Deduct	*-8.26*	
		For Pickets Extending Above Top Rail, Add	*13.53*	
		For Curved Pickets Extending Above Top Rail, Add	*32.91*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	152.95	21.63
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*25.97*	
		For Verticals Up To 2" On Center, Add	*35.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*21.94*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.78*	
		For Verticals >4" To 6" On Center, Deduct	*-9.87*	
		For Pickets Extending Above Top Rail, Add	*15.88*	
		For Curved Pickets Extending Above Top Rail, Add	*38.90*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	186.73	24.26
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*31.41*	
		For Verticals Up To 2" On Center, Add	*44.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*27.64*	
		For Verticals >2-1/2" To 3" On Center, Add	*11.06*	
		For Verticals >4" To 6" On Center, Deduct	*-12.44*	
		For Pickets Extending Above Top Rail, Add	*19.70*	
		For Curved Pickets Extending Above Top Rail, Add	*48.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0010	LF	12' High Wrought Iron Fence, 3/4" Square Solid Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	221.09	27.58
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*37.02*	
		For Verticals Up To 2" On Center, Add	*53.10*	
		For Verticals >2" To 2-1/2" On Center, Add	*33.19*	
		For Verticals >2-1/2" To 3" On Center, Add	*13.27*	
		For Verticals >4" To 6" On Center, Deduct	*-14.93*	
		For Pickets Extending Above Top Rail, Add	*23.50*	
		For Curved Pickets Extending Above Top Rail, Add	*58.06*	
32 31 19 00-0011		**Wrought Iron Gates** *(32 31 19 00-0001)* Note: Factory primed.		
32 31 19 00-0012		**Single Wrought Iron Gates** *(32 31 19 00-0011)* Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	74.79	14.79
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	98.16	18.31
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	120.21	22.06
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	146.20	26.47
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	197.92	29.34
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	240.54	32.43
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	282.32	36.84
32 31 19 00-0020		**Double Wrought Iron Gates** *(32 31 19 00-0011)* Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	91.59	13.24
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	120.39	16.55
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	146.87	19.85
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	178.17	23.83
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	242.28	26.47
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	294.93	29.12
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	346.73	33.10
32 31 19 00-0028		**Repair Or Replace Wrought Iron Fence** *(32 31 19 00-0001)*		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	22.40	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	33.75	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	88.25	
32 31 19 00-0032		**Steel Tube Fence, Powder Coated** *(32 31 19)* Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033		**Steel Tube Fence, With Two 1" Square, 16 Gauge Rails** *(32 31 19 00-0032)* Note: 6 foot long panel sections.		
32 31 19 00-0034	LF	3' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	84.54	12.14
		For Verticals Up To 2" On Center, Add	*12.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.08*	
		For Verticals >3" To 4" On Center, Deduct	*-6.08*	
		For Verticals >4" To 6" On Center, Deduct	*-12.15*	
		For Pickets Extending Above Top Rail, Add	*6.35*	
		For Curved Pickets Extending Above Top Rail, Add	*11.20*	
		For Solid Pickets, Add	*17.24*	
		For Aluminum With Satin Finish, Add	*14.66*	
		For Third Rail, Add	*4.56*	
		For 1" Square x 14 Gauge Pickets, Add	*15.19*	
		For 3" Square Posts, Add	*7.60*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	90.41	12.98
		For Verticals Up To 2" On Center, Add	*12.89*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.45*	
		For Verticals >3" To 4" On Center, Deduct	*-6.45*	
		For Verticals >4" To 6" On Center, Deduct	*-12.89*	
		For Pickets Extending Above Top Rail, Add	*6.78*	
		For Curved Pickets Extending Above Top Rail, Add	*11.94*	
		For Solid Pickets, Add	*18.40*	
		For Aluminum With Satin Finish, Add	*15.45*	
		For Third Rail, Add	*4.83*	
		For 1" Square x 14 Gauge Pickets, Add	*16.12*	
		For 3" Square Posts, Add	*8.06*	
32 31 19 00-0036	LF	4' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	95.60	14.34
		For Verticals Up To 2" On Center, Add	*13.50*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.75*	
		For Verticals >3" To 4" On Center, Deduct	*-6.75*	
		For Verticals >4" To 6" On Center, Deduct	*-13.50*	
		For Pickets Extending Above Top Rail, Add	*7.14*	
		For Curved Pickets Extending Above Top Rail, Add	*12.57*	
		For Solid Pickets, Add	*19.40*	
		For Aluminum With Satin Finish, Add	*16.03*	
		For Third Rail, Add	*5.06*	
		For 1" Square x 14 Gauge Pickets, Add	*16.87*	
		For 3" Square Posts, Add	*8.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0037	LF	5' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	101.61	16.11
		For Verticals Up To 2" On Center, Add	*13.84*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.92*	
		For Verticals >3" To 4" On Center, Deduct	*-6.92*	
		For Verticals >4" To 6" On Center, Deduct	*-13.84*	
		For Pickets Extending Above Top Rail, Add	*7.50*	
		For Curved Pickets Extending Above Top Rail, Add	*13.16*	
		For Solid Pickets, Add	*20.43*	
		For Aluminum With Satin Finish, Add	*15.89*	
		For Third Rail, Add	*5.19*	
		For 1" Square x 14 Gauge Pickets, Add	*17.30*	
		For 3" Square Posts, Add	*8.65*	
32 31 19 00-0038	LF	6' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	117.94	18.21
		For Verticals Up To 2" On Center, Add	*16.31*	
		For Verticals >2" To 2-1/2" On Center, Add	*8.15*	
		For Verticals >3" To 4" On Center, Deduct	*-8.15*	
		For Verticals >4" To 6" On Center, Deduct	*-16.31*	
		For Pickets Extending Above Top Rail, Add	*8.75*	
		For Curved Pickets Extending Above Top Rail, Add	*15.37*	
		For Solid Pickets, Add	*23.81*	
		For Aluminum With Satin Finish, Add	*19.00*	
		For Third Rail, Add	*6.12*	
		For 1" Square x 14 Gauge Pickets, Add	*20.39*	
		For 3" Square Posts, Add	*10.19*	
32 31 19 00-0039	LF	7' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	135.24	19.85
		For Verticals Up To 2" On Center, Add	*19.11*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.55*	
		For Verticals >3" To 4" On Center, Deduct	*-9.55*	
		For Verticals >4" To 6" On Center, Deduct	*-19.11*	
		For Pickets Extending Above Top Rail, Add	*10.11*	
		For Curved Pickets Extending Above Top Rail, Add	*17.79*	
		For Solid Pickets, Add	*27.45*	
		For Aluminum With Satin Finish, Add	*22.70*	
		For Third Rail, Add	*7.16*	
		For 1" Square x 14 Gauge Pickets, Add	*23.88*	
		For 4" Square Posts, Add	*33.44*	
32 31 19 00-0040	LF	8' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	152.76	21.63
		For Verticals Up To 2" On Center, Add	*21.90*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.95*	
		For Verticals >3" To 4" On Center, Deduct	*-10.95*	
		For Verticals >4" To 6" On Center, Deduct	*-21.90*	
		For Pickets Extending Above Top Rail, Add	*11.47*	
		For Curved Pickets Extending Above Top Rail, Add	*20.22*	
		For Solid Pickets, Add	*31.13*	
		For Aluminum With Satin Finish, Add	*26.37*	
		For Third Rail, Add	*8.21*	
		For 1" Square x 14 Gauge Pickets, Add	*27.38*	
		For 4" Square Posts, Add	*38.33*	
32 31 19 00-0041	LF	9' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	178.02	23.17
		For Verticals Up To 2" On Center, Add	*26.34*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.17*	
		For Verticals >3" To 4" On Center, Deduct	*-13.17*	
		For Verticals >4" To 6" On Center, Deduct	*-26.34*	
		For Pickets Extending Above Top Rail, Add	*13.51*	
		For Curved Pickets Extending Above Top Rail, Add	*23.89*	
		For Solid Pickets, Add	*36.58*	
		For Aluminum With Satin Finish, Add	*32.56*	
		For Third Rail, Add	*9.88*	
		For 1" Square x 14 Gauge Pickets, Add	*32.92*	
		For 4" Square Posts, Add	*46.09*	
32 31 19 00-0042	LF	10' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	203.51	24.82
		For Verticals Up To 2" On Center, Add	*30.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*15.39*	
		For Verticals >3" To 4" On Center, Deduct	*-15.39*	
		For Verticals >4" To 6" On Center, Deduct	*-30.77*	
		For Pickets Extending Above Top Rail, Add	*15.56*	
		For Curved Pickets Extending Above Top Rail, Add	*27.57*	
		For Solid Pickets, Add	*42.07*	
		For Aluminum With Satin Finish, Add	*38.72*	
		For Third Rail, Add	*11.54*	
		For 1" Square x 14 Gauge Pickets, Add	*38.47*	
		For 6" Square Posts, Add	*53.85*	
32 31 19 00-0043	LF	12' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	240.06	27.58
		For Verticals Up To 2" On Center, Add	*36.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*18.49*	
		For Verticals >3" To 4" On Center, Deduct	*-18.49*	
		For Verticals >4" To 6" On Center, Deduct	*-36.98*	
		For Pickets Extending Above Top Rail, Add	*18.47*	
		For Curved Pickets Extending Above Top Rail, Add	*32.80*	
		For Solid Pickets, Add	*49.88*	
		For Aluminum With Satin Finish, Add	*47.20*	
		For Third Rail, Add	*13.87*	
		For 1" Square x 14 Gauge Pickets, Add	*46.23*	
		For 6" Square Posts, Add	*64.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0044	LF	14' Steel Tube Fence, 3/4" Square, 16 GA, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	257.10	29.78
		For Verticals Up To 2" On Center, Add	*39.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.75*	
		For Verticals >3" To 4" On Center, Deduct	*-19.75*	
		For Verticals >4" To 6" On Center, Deduct	*-39.51*	
		For Pickets Extending Above Top Rail, Add	*19.77*	
		For Curved Pickets Extending Above Top Rail, Add	*35.08*	
		For Solid Pickets, Add	*53.38*	
		For Aluminum With Satin Finish, Add	*50.32*	
		For Third Rail, Add	*14.81*	
		For 1" Square x 14 Gauge Pickets, Add	*49.38*	
		For 6" Square Posts, Add	*69.14*	
32 31 19 00-0045		Steel Tube Swing Gates *(32 31 19 00-0032)*		
32 31 19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate	766.05	23.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*167.07*	
		For Aluminum With Satin Finish, Add	*198.05*	
		For Third Rail, Add	*52.16*	
		For 1" Square x 14 Gauge Pickets, Add	*69.55*	
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	852.29	24.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*186.22*	
		For Aluminum With Satin Finish, Add	*222.43*	
		For Third Rail, Add	*58.38*	
		For 1" Square x 14 Gauge Pickets, Add	*77.84*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	943.40	26.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*206.39*	
		For Aluminum With Satin Finish, Add	*247.78*	
		For Third Rail, Add	*64.88*	
		For 1" Square x 14 Gauge Pickets, Add	*86.51*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	992.27	27.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*216.97*	
		For Aluminum With Satin Finish, Add	*259.95*	
		For Third Rail, Add	*68.13*	
		For 1" Square x 14 Gauge Pickets, Add	*90.84*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,108.69	33.42
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*241.93*	
		For Aluminum With Satin Finish, Add	*287.44*	
		For Third Rail, Add	*75.62*	
		For 1" Square x 14 Gauge Pickets, Add	*100.83*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,179.90	38.94
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*256.71*	
		For Aluminum With Satin Finish, Add	*301.35*	
		For Third Rail, Add	*79.72*	
		For 1" Square x 14 Gauge Pickets, Add	*106.30*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,288.03	44.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*279.71*	
		For Aluminum With Satin Finish, Add	*325.84*	
		For Third Rail, Add	*86.51*	
		For 1" Square x 14 Gauge Pickets, Add	*115.34*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,381.83	50.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*299.58*	
		For Aluminum With Satin Finish, Add	*346.55*	
		For Third Rail, Add	*92.30*	
		For 1" Square x 14 Gauge Pickets, Add	*123.07*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,464.34	55.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*316.90*	
		For Aluminum With Satin Finish, Add	*363.85*	
		For Third Rail, Add	*97.25*	
		For 1" Square x 14 Gauge Pickets, Add	*129.67*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,601.65	47.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*349.78*	
		For Aluminum With Satin Finish, Add	*416.96*	
		For Third Rail, Add	*109.53*	
		For 1" Square x 14 Gauge Pickets, Add	*146.05*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,706.47	49.20
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*372.87*	
		For Aluminum With Satin Finish, Add	*445.42*	
		For Third Rail, Add	*116.90*	
		For 1" Square x 14 Gauge Pickets, Add	*155.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,886.79	52.18
		For Solid Pickets, Add	*412.78*	
		For Aluminum With Satin Finish, Add	*495.55*	
		For Third Rail, Add	*129.76*	
		For 1" Square x 14 Gauge Pickets, Add	*173.02*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,977.13	54.06
		For Solid Pickets, Add	*432.69*	
		For Aluminum With Satin Finish, Add	*520.17*	
		For Third Rail, Add	*136.12*	
		For 1" Square x 14 Gauge Pickets, Add	*181.50*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,050.49	55.82
		For Solid Pickets, Add	*448.79*	
		For Aluminum With Satin Finish, Add	*539.70*	
		For Third Rail, Add	*141.21*	
		For 1" Square x 14 Gauge Pickets, Add	*188.28*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,307.86	66.85
		For Solid Pickets, Add	*504.21*	
		For Aluminum With Satin Finish, Add	*602.01*	
		For Third Rail, Add	*158.03*	
		For 1" Square x 14 Gauge Pickets, Add	*210.71*	
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,529.42	77.88
		For Solid Pickets, Add	*551.58*	
		For Aluminum With Satin Finish, Add	*653.59*	
		For Third Rail, Add	*172.17*	
		For 1" Square x 14 Gauge Pickets, Add	*229.56*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,715.50	89.69
		For Solid Pickets, Add	*590.80*	
		For Aluminum With Satin Finish, Add	*693.53*	
		For Third Rail, Add	*183.48*	
		For 1" Square x 14 Gauge Pickets, Add	*244.63*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,871.11	100.60
		For Solid Pickets, Add	*623.33*	
		For Aluminum With Satin Finish, Add	*725.32*	
		For Third Rail, Add	*192.66*	
		For 1" Square x 14 Gauge Pickets, Add	*256.89*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,998.43	111.63
		For Solid Pickets, Add	*649.50*	
		For Aluminum With Satin Finish, Add	*748.62*	
		For Third Rail, Add	*199.73*	
		For 1" Square x 14 Gauge Pickets, Add	*266.31*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	884.88	22.06
		For Solid Pickets, Add	*193.51*	
		For Aluminum With Satin Finish, Add	*231.96*	
		For Third Rail, Add	*60.78*	
		For 1" Square x 14 Gauge Pickets, Add	*81.04*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	957.36	25.70
		For Solid Pickets, Add	*209.62*	
		For Aluminum With Satin Finish, Add	*252.46*	
		For Third Rail, Add	*66.01*	
		For 1" Square x 14 Gauge Pickets, Add	*88.02*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,032.62	27.58
		For Solid Pickets, Add	*226.13*	
		For Aluminum With Satin Finish, Add	*272.56*	
		For Third Rail, Add	*71.24*	
		For 1" Square x 14 Gauge Pickets, Add	*94.99*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,094.68	29.34
		For Solid Pickets, Add	*239.68*	
		For Aluminum With Satin Finish, Add	*288.69*	
		For Third Rail, Add	*75.48*	
		For 1" Square x 14 Gauge Pickets, Add	*100.64*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,180.18	35.30
		For Solid Pickets, Add	*257.60*	
		For Aluminum With Satin Finish, Add	*306.40*	
		For Third Rail, Add	*80.57*	
		For 1" Square x 14 Gauge Pickets, Add	*107.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate	1,295.83	41.15
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*282.30*	
		For Aluminum With Satin Finish, Add	*333.15*	
		For Third Rail, Add	*87.92*	
		For 1" Square x 14 Gauge Pickets, Add	*117.23*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate	1,454.84	47.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*316.75*	
		For Aluminum With Satin Finish, Add	*372.91*	
		For Third Rail, Add	*98.52*	
		For 1" Square x 14 Gauge Pickets, Add	*131.36*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate	1,610.07	52.95
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*350.35*	
		For Aluminum With Satin Finish, Add	*411.54*	
		For Third Rail, Add	*108.84*	
		For 1" Square x 14 Gauge Pickets, Add	*145.12*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate	1,757.76	58.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*382.26*	
		For Aluminum With Satin Finish, Add	*447.90*	
		For Third Rail, Add	*118.59*	
		For 1" Square x 14 Gauge Pickets, Add	*158.13*	
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,769.76	49.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*387.03*	
		For Aluminum With Satin Finish, Add	*463.91*	
		For Third Rail, Add	*121.56*	
		For 1" Square x 14 Gauge Pickets, Add	*162.08*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,914.75	51.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*419.24*	
		For Aluminum With Satin Finish, Add	*504.93*	
		For Third Rail, Add	*132.02*	
		For 1" Square x 14 Gauge Pickets, Add	*176.03*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	2,065.25	55.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*452.27*	
		For Aluminum With Satin Finish, Add	*545.11*	
		For Third Rail, Add	*142.48*	
		For 1" Square x 14 Gauge Pickets, Add	*189.98*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,183.85	56.92
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*478.54*	
		For Aluminum With Satin Finish, Add	*578.21*	
		For Third Rail, Add	*150.96*	
		For 1" Square x 14 Gauge Pickets, Add	*201.29*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,283.59	58.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*500.57*	
		For Aluminum With Satin Finish, Add	*605.65*	
		For Third Rail, Add	*158.03*	
		For 1" Square x 14 Gauge Pickets, Add	*210.71*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,592.18	70.49
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*567.36*	
		For Aluminum With Satin Finish, Add	*682.34*	
		For Third Rail, Add	*178.53*	
		For 1" Square x 14 Gauge Pickets, Add	*238.04*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,863.06	82.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*625.66*	
		For Aluminum With Satin Finish, Add	*747.72*	
		For Third Rail, Add	*196.20*	
		For 1" Square x 14 Gauge Pickets, Add	*261.60*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	3,098.14	93.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*675.90*	
		For Aluminum With Satin Finish, Add	*802.36*	
		For Third Rail, Add	*211.18*	
		For 1" Square x 14 Gauge Pickets, Add	*281.57*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,301.18	105.79
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*718.94*	
		For Aluminum With Satin Finish, Add	*847.39*	
		For Third Rail, Add	*223.76*	
		For 1" Square x 14 Gauge Pickets, Add	*298.35*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,474.06	117.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*755.19*	
		For Aluminum With Satin Finish, Add	*883.37*	
		For Third Rail, Add	*234.08*	
		For 1" Square x 14 Gauge Pickets, Add	*312.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0086		5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	963.02	25.70
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*210.89*	
		For Aluminum With Satin Finish, Add	*254.16*	
		For Third Rail, Add	*66.44*	
		For 1" Square x 14 Gauge Pickets, Add	*88.58*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	1,015.66	27.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*222.32*	
		For Aluminum With Satin Finish, Add	*267.47*	
		For Third Rail, Add	*69.97*	
		For 1" Square x 14 Gauge Pickets, Add	*93.29*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,066.41	29.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*233.32*	
		For Aluminum With Satin Finish, Add	*280.21*	
		For Third Rail, Add	*73.36*	
		For 1" Square x 14 Gauge Pickets, Add	*97.82*	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,139.77	31.22
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*249.42*	
		For Aluminum With Satin Finish, Add	*299.74*	
		For Third Rail, Add	*78.45*	
		For 1" Square x 14 Gauge Pickets, Add	*104.60*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,239.57	37.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*270.46*	
		For Aluminum With Satin Finish, Add	*321.24*	
		For Third Rail, Add	*84.53*	
		For 1" Square x 14 Gauge Pickets, Add	*112.71*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,371.40	43.68
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*298.72*	
		For Aluminum With Satin Finish, Add	*352.35*	
		For Third Rail, Add	*93.01*	
		For 1" Square x 14 Gauge Pickets, Add	*124.01*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,555.23	50.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*338.59*	
		For Aluminum With Satin Finish, Add	*398.56*	
		For Third Rail, Add	*105.31*	
		For 1" Square x 14 Gauge Pickets, Add	*140.41*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,734.18	56.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*377.45*	
		For Aluminum With Satin Finish, Add	*443.81*	
		For Third Rail, Add	*117.32*	
		For 1" Square x 14 Gauge Pickets, Add	*156.43*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,909.36	62.77
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*415.46*	
		For Aluminum With Satin Finish, Add	*487.92*	
		For Third Rail, Add	*129.05*	
		For 1" Square x 14 Gauge Pickets, Add	*172.07*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,895.39	43.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*417.18*	
		For Aluminum With Satin Finish, Add	*512.92*	
		For Third Rail, Add	*132.87*	
		For 1" Square x 14 Gauge Pickets, Add	*177.16*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	2,008.37	50.52
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*441.05*	
		For Aluminum With Satin Finish, Add	*537.53*	
		For Third Rail, Add	*139.80*	
		For 1" Square x 14 Gauge Pickets, Add	*186.40*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,122.56	58.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*465.11*	
		For Aluminum With Satin Finish, Add	*561.96*	
		For Third Rail, Add	*146.72*	
		For 1" Square x 14 Gauge Pickets, Add	*195.63*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,278.89	65.41
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*498.74*	
		For Aluminum With Satin Finish, Add	*599.58*	
		For Third Rail, Add	*156.90*	
		For 1" Square x 14 Gauge Pickets, Add	*209.20*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,416.36	72.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*528.12*	
		For Aluminum With Satin Finish, Add	*631.54*	
		For Third Rail, Add	*165.67*	
		For 1" Square x 14 Gauge Pickets, Add	*220.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,750.39	80.75
		For Solid Pickets, Add	*601.55*	
		For Aluminum With Satin Finish, Add	*721.37*	
		For Third Rail, Add	*188.99*	
		For 1" Square x 14 Gauge Pickets, Add	*251.98*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,051.04	89.57
		For Solid Pickets, Add	*667.28*	
		For Aluminum With Satin Finish, Add	*800.10*	
		For Third Rail, Add	*209.63*	
		For 1" Square x 14 Gauge Pickets, Add	*279.50*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,320.20	99.39
		For Solid Pickets, Add	*725.75*	
		For Aluminum With Satin Finish, Add	*868.28*	
		For Third Rail, Add	*227.72*	
		For 1" Square x 14 Gauge Pickets, Add	*303.63*	
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,562.83	110.43
		For Solid Pickets, Add	*777.98*	
		For Aluminum With Satin Finish, Add	*926.88*	
		For Third Rail, Add	*243.55*	
		For 1" Square x 14 Gauge Pickets, Add	*324.73*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,778.95	122.78
		For Solid Pickets, Add	*823.96*	
		For Aluminum With Satin Finish, Add	*975.88*	
		For Third Rail, Add	*257.12*	
		For 1" Square x 14 Gauge Pickets, Add	*342.83*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,002.79	28.24
		For Solid Pickets, Add	*219.26*	
		For Aluminum With Satin Finish, Add	*262.61*	
		For Third Rail, Add	*68.84*	
		For 1" Square x 14 Gauge Pickets, Add	*91.79*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,054.32	29.78
		For Solid Pickets, Add	*230.52*	
		For Aluminum With Satin Finish, Add	*276.09*	
		For Third Rail, Add	*72.37*	
		For 1" Square x 14 Gauge Pickets, Add	*96.50*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,106.64	31.44
		For Solid Pickets, Add	*241.90*	
		For Aluminum With Satin Finish, Add	*289.44*	
		For Third Rail, Add	*75.91*	
		For 1" Square x 14 Gauge Pickets, Add	*101.21*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,170.91	33.42
		For Solid Pickets, Add	*255.92*	
		For Aluminum With Satin Finish, Add	*306.09*	
		For Third Rail, Add	*80.29*	
		For 1" Square x 14 Gauge Pickets, Add	*107.05*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,314.36	40.37
		For Solid Pickets, Add	*286.63*	
		For Aluminum With Satin Finish, Add	*339.71*	
		For Third Rail, Add	*89.48*	
		For 1" Square x 14 Gauge Pickets, Add	*119.30*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,467.23	47.43
		For Solid Pickets, Add	*319.46*	
		For Aluminum With Satin Finish, Add	*376.14*	
		For Third Rail, Add	*99.37*	
		For 1" Square x 14 Gauge Pickets, Add	*132.49*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,637.87	54.06
		For Solid Pickets, Add	*356.36*	
		For Aluminum With Satin Finish, Add	*418.39*	
		For Third Rail, Add	*110.68*	
		For 1" Square x 14 Gauge Pickets, Add	*147.57*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,802.08	61.00
		For Solid Pickets, Add	*391.73*	
		For Aluminum With Satin Finish, Add	*458.22*	
		For Third Rail, Add	*121.42*	
		For 1" Square x 14 Gauge Pickets, Add	*161.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,002.07	67.95
		For Solid Pickets, Add	*435.16*	
		For Aluminum With Satin Finish, Add	*508.79*	
		For Third Rail, Add	*134.85*	
		For 1" Square x 14 Gauge Pickets, Add	*179.80*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	1,969.18	46.78
		For Solid Pickets, Add	*433.05*	
		For Aluminum With Satin Finish, Add	*530.69*	
		For Third Rail, Add	*137.68*	
		For 1" Square x 14 Gauge Pickets, Add	*183.57*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,086.46	54.83
		For Solid Pickets, Add	*457.71*	
		For Aluminum With Satin Finish, Add	*555.50*	
		For Third Rail, Add	*144.74*	
		For 1" Square x 14 Gauge Pickets, Add	*192.99*	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,202.54	62.44
		For Solid Pickets, Add	*482.19*	
		For Aluminum With Satin Finish, Add	*580.50*	
		For Third Rail, Add	*151.81*	
		For 1" Square x 14 Gauge Pickets, Add	*202.42*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,342.45	70.49
		For Solid Pickets, Add	*511.94*	
		For Aluminum With Satin Finish, Add	*612.09*	
		For Third Rail, Add	*160.58*	
		For 1" Square x 14 Gauge Pickets, Add	*214.10*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,561.52	78.54
		For Solid Pickets, Add	*559.51*	
		For Aluminum With Satin Finish, Add	*667.44*	
		For Third Rail, Add	*175.28*	
		For 1" Square x 14 Gauge Pickets, Add	*233.70*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,003.51	87.47
		For Solid Pickets, Add	*657.04*	
		For Aluminum With Satin Finish, Add	*788.57*	
		For Third Rail, Add	*206.52*	
		For 1" Square x 14 Gauge Pickets, Add	*275.36*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,145.72	97.74
		For Solid Pickets, Add	*686.86*	
		For Aluminum With Satin Finish, Add	*818.13*	
		For Third Rail, Add	*215.00*	
		For 1" Square x 14 Gauge Pickets, Add	*286.66*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,454.32	108.77
		For Solid Pickets, Add	*753.92*	
		For Aluminum With Satin Finish, Add	*896.51*	
		For Third Rail, Add	*235.78*	
		For 1" Square x 14 Gauge Pickets, Add	*314.37*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,738.29	121.01
		For Solid Pickets, Add	*815.18*	
		For Aluminum With Satin Finish, Add	*965.86*	
		For Third Rail, Add	*254.43*	
		For 1" Square x 14 Gauge Pickets, Add	*339.25*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,002.61	135.02
		For Solid Pickets, Add	*871.65*	
		For Aluminum With Satin Finish, Add	*1,027.14*	
		For Third Rail, Add	*271.26*	
		For 1" Square x 14 Gauge Pickets, Add	*361.67*	
32 31 19 00-0126		7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,062.51	30.55
		For Solid Pickets, Add	*232.17*	
		For Aluminum With Satin Finish, Add	*277.40*	
		For Third Rail, Add	*72.80*	
		For 1" Square x 14 Gauge Pickets, Add	*97.06*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,116.36	32.21
		For Solid Pickets, Add	*243.93*	
		For Aluminum With Satin Finish, Add	*291.38*	
		For Third Rail, Add	*76.47*	
		For 1" Square x 14 Gauge Pickets, Add	*101.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,170.44	33.87
		For Solid Pickets, Add	*255.71*	
		For Aluminum With Satin Finish, Add	*305.31*	
		For Third Rail, Add	*80.15*	
		For 1" Square x 14 Gauge Pickets, Add	*106.86*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,224.63	35.63
		For Solid Pickets, Add	*267.52*	
		For Aluminum With Satin Finish, Add	*319.24*	
		For Third Rail, Add	*83.82*	
		For 1" Square x 14 Gauge Pickets, Add	*111.76*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,417.41	43.36
		For Solid Pickets, Add	*309.16*	
		For Aluminum With Satin Finish, Add	*366.65*	
		For Third Rail, Add	*96.54*	
		For 1" Square x 14 Gauge Pickets, Add	*128.73*	
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,594.03	50.74
		For Solid Pickets, Add	*347.24*	
		For Aluminum With Satin Finish, Add	*409.71*	
		For Third Rail, Add	*108.14*	
		For 1" Square x 14 Gauge Pickets, Add	*144.18*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,722.74	58.35
		For Solid Pickets, Add	*374.46*	
		For Aluminum With Satin Finish, Add	*437.89*	
		For Third Rail, Add	*116.05*	
		For 1" Square x 14 Gauge Pickets, Add	*154.73*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,869.18	65.74
		For Solid Pickets, Add	*405.76*	
		For Aluminum With Satin Finish, Add	*471.90*	
		For Third Rail, Add	*125.38*	
		For 1" Square x 14 Gauge Pickets, Add	*167.17*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,048.78	73.47
		For Solid Pickets, Add	*444.43*	
		For Aluminum With Satin Finish, Add	*515.36*	
		For Third Rail, Add	*137.11*	
		For 1" Square x 14 Gauge Pickets, Add	*182.82*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,084.43	50.08
		For Solid Pickets, Add	*458.26*	
		For Aluminum With Satin Finish, Add	*560.89*	
		For Third Rail, Add	*145.59*	
		For 1" Square x 14 Gauge Pickets, Add	*194.12*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,206.70	58.58
		For Solid Pickets, Add	*483.95*	
		For Aluminum With Satin Finish, Add	*586.66*	
		For Third Rail, Add	*152.94*	
		For 1" Square x 14 Gauge Pickets, Add	*203.93*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,330.19	67.51
		For Solid Pickets, Add	*509.82*	
		For Aluminum With Satin Finish, Add	*612.23*	
		For Third Rail, Add	*160.29*	
		For 1" Square x 14 Gauge Pickets, Add	*213.73*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,454.34	76.00
		For Solid Pickets, Add	*535.94*	
		For Aluminum With Satin Finish, Add	*638.56*	
		For Third Rail, Add	*167.79*	
		For 1" Square x 14 Gauge Pickets, Add	*223.71*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,764.42	84.94
		For Solid Pickets, Add	*603.79*	
		For Aluminum With Satin Finish, Add	*720.12*	
		For Third Rail, Add	*189.13*	
		For 1" Square x 14 Gauge Pickets, Add	*252.17*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,340.78	94.75
		For Solid Pickets, Add	*731.38*	
		For Aluminum With Satin Finish, Add	*880.46*	
		For Third Rail, Add	*230.26*	
		For 1" Square x 14 Gauge Pickets, Add	*307.02*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,305.69	106.23
		For Solid Pickets, Add	*721.03*	
		For Aluminum With Satin Finish, Add	*855.20*	
		For Third Rail, Add	*225.17*	
		For 1" Square x 14 Gauge Pickets, Add	*300.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,582.11	118.48
		For Solid Pickets, Add	*780.58*	
		For Aluminum With Satin Finish, Add	*922.29*	
		For Third Rail, Add	*243.27*	
		For 1" Square x 14 Gauge Pickets, Add	*324.36*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,912.40	132.49
		For Solid Pickets, Add	*851.90*	
		For Aluminum With Satin Finish, Add	*1,003.35*	
		For Third Rail, Add	*265.04*	
		For 1" Square x 14 Gauge Pickets, Add	*353.38*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,131.37	147.82
		For Solid Pickets, Add	*897.89*	
		For Aluminum With Satin Finish, Add	*1,049.39*	
		For Third Rail, Add	*278.18*	
		For 1" Square x 14 Gauge Pickets, Add	*370.91*	

32 31 19 00-0146 8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,154.71	33.10
		For Solid Pickets, Add	*252.36*	
		For Aluminum With Satin Finish, Add	*301.74*	
		For Third Rail, Add	*79.16*	
		For 1" Square x 14 Gauge Pickets, Add	*105.54*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,211.11	34.86
		For Solid Pickets, Add	*264.64*	
		For Aluminum With Satin Finish, Add	*316.18*	
		For Third Rail, Add	*82.97*	
		For 1" Square x 14 Gauge Pickets, Add	*110.63*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,271.29	36.74
		For Solid Pickets, Add	*277.77*	
		For Aluminum With Satin Finish, Add	*331.75*	
		For Third Rail, Add	*87.07*	
		For 1" Square x 14 Gauge Pickets, Add	*116.10*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,325.44	40.93
		For Solid Pickets, Add	*289.00*	
		For Aluminum With Satin Finish, Add	*342.28*	
		For Third Rail, Add	*90.18*	
		For 1" Square x 14 Gauge Pickets, Add	*120.24*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,567.59	46.33
		For Solid Pickets, Add	*342.28*	
		For Aluminum With Satin Finish, Add	*407.73*	
		For Third Rail, Add	*107.15*	
		For 1" Square x 14 Gauge Pickets, Add	*142.86*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,745.16	55.82
		For Solid Pickets, Add	*380.09*	
		For Aluminum With Satin Finish, Add	*448.10*	
		For Third Rail, Add	*118.31*	
		For 1" Square x 14 Gauge Pickets, Add	*157.75*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,823.63	64.97
		For Solid Pickets, Add	*395.67*	
		For Aluminum With Satin Finish, Add	*459.23*	
		For Third Rail, Add	*122.13*	
		For 1" Square x 14 Gauge Pickets, Add	*162.84*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,955.98	74.58
		For Solid Pickets, Add	*423.30*	
		For Aluminum With Satin Finish, Add	*486.02*	
		For Third Rail, Add	*129.90*	
		For 1" Square x 14 Gauge Pickets, Add	*173.20*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,071.34	84.17
		For Solid Pickets, Add	*447.11*	
		For Aluminum With Satin Finish, Add	*507.73*	
		For Third Rail, Add	*136.41*	
		For 1" Square x 14 Gauge Pickets, Add	*181.87*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,265.65	53.50
		For Solid Pickets, Add	*498.30*	
		For Aluminum With Satin Finish, Add	*610.89*	
		For Third Rail, Add	*158.46*	
		For 1" Square x 14 Gauge Pickets, Add	*211.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,402.73	64.53
		For Solid Pickets, Add	*526.78*	
		For Aluminum With Satin Finish, Add	*637.82*	
		For Third Rail, Add	*166.37*	
		For 1" Square x 14 Gauge Pickets, Add	*221.83*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,536.73	75.12
		For Solid Pickets, Add	*554.66*	
		For Aluminum With Satin Finish, Add	*664.37*	
		For Third Rail, Add	*174.15*	
		For 1" Square x 14 Gauge Pickets, Add	*232.20*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,649.31	86.27
		For Solid Pickets, Add	*577.62*	
		For Aluminum With Satin Finish, Add	*683.95*	
		For Third Rail, Add	*180.22*	
		For 1" Square x 14 Gauge Pickets, Add	*240.30*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,078.54	97.30
		For Solid Pickets, Add	*671.83*	
		For Aluminum With Satin Finish, Add	*798.52*	
		For Third Rail, Add	*210.05*	
		For 1" Square x 14 Gauge Pickets, Add	*280.07*	
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,835.57	109.54
		For Solid Pickets, Add	*839.52*	
		For Aluminum With Satin Finish, Add	*1,009.79*	
		For Third Rail, Add	*264.19*	
		For 1" Square x 14 Gauge Pickets, Add	*352.25*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,509.98	123.55
		For Solid Pickets, Add	*763.26*	
		For Aluminum With Satin Finish, Add	*894.09*	
		For Third Rail, Add	*236.77*	
		For 1" Square x 14 Gauge Pickets, Add	*315.69*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,759.64	139.77
		For Solid Pickets, Add	*815.98*	
		For Aluminum With Satin Finish, Add	*948.24*	
		For Third Rail, Add	*252.03*	
		For 1" Square x 14 Gauge Pickets, Add	*336.04*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,144.19	157.53
		For Solid Pickets, Add	*898.68*	
		For Aluminum With Satin Finish, Add	*1,040.68*	
		For Third Rail, Add	*277.05*	
		For 1" Square x 14 Gauge Pickets, Add	*369.40*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,231.39	177.49
		For Solid Pickets, Add	*914.02*	
		For Aluminum With Satin Finish, Add	*1,041.17*	
		For Third Rail, Add	*279.31*	
		For 1" Square x 14 Gauge Pickets, Add	*372.42*	
32 31 19 00-0166		Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*		
32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	32.43	
		For 1" Square x 14 Gauge Pickets, Add	*1.04*	
32 31 19 00-0168		Removal And Reinstallation Of Ornamental Fences *(32 31 19)* Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	49.64	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	54.61	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	59.57	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	64.53	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	69.50	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	74.46	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	82.73	
32 31 23		**Plastic Fences and Gates** *(32 31)*		
32 31 23 00-0001		Vinyl Fence *(32 31 23)*		
32 31 23 00-0002		Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	62.57	7.14
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	70.22	8.57
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	78.49	9.99
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	86.58	11.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0007		**Semi-Privacy 6" Picket Vinyl Fence** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	83.92	9.99
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	92.08	11.43
32 31 23 00-0010		**Picket Straight Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	57.77	7.14
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	65.68	8.57
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	75.31	9.99
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	83.47	11.43
32 31 23 00-0015		**Picket Scalloped Top Vinyl Fence** *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	63.94	7.14
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	72.04	8.57
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	81.25	9.99
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	89.60	11.43
32 31 23 00-0020		**Post And Rail Vinyl Fence, Ranch Style** *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	24.05	7.14
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	30.78	8.57
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	35.35	9.28
32 31 23 00-0024		**Post, Rails And Pickets (Traditional Style) Vinyl Fence** *(32 31 23 00-0001)* Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	74.80	7.85
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	81.83	9.28
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	70.52	7.14
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	76.84	8.57
32 31 23 00-0029		**High Velocity Hurricane Zone Vinyl Fence** *(32 31 23 00-0001)* Note: With 2" x 7" top and bottom rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0030	LF	6' High Vinyl Fence - High Velocity Hurricane Zone	170.72	23.57
32 31 23 00-0031	LF	7' High Vinyl Fence - High Velocity Hurricane Zone	198.19	27.14
32 31 23 00-0032		**Vinyl Gates** *(32 31 23)*		
32 31 23 00-0033		**Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0032)* Note: Includes hinges.		
32 31 23 00-0034		**3' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0033)*		
32 31 23 00-0035	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	691.17	71.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0036	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	733.27	74.98
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0037	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	803.99	78.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	900.12	82.13
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039		**4' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0033)*		
32 31 23 00-0040	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	733.27	74.98
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0041	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	759.48	78.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0042	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	842.90	82.13
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	986.74	85.70
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044		**5' High Gates For Privacy And Semi-Privacy Fences** *(32 31 23 00-0033)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0045	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	759.48	78.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0046	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	792.04	82.13
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0047	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	907.27	85.70
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,057.45	89.27
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0049 6' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0033)*

32 31 23 00-0050	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	799.19	85.70
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0051	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	831.76	89.27
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0052	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,001.02	92.84
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0053	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,103.53	92.84
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0054 Gates For Picket Fences *(32 31 23 00-0032)*

Note: Includes hinges.

32 31 23 00-0055 3' High Gates For Picket Fences *(32 31 23 00-0054)*

32 31 23 00-0056	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	662.56	71.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0057	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	688.77	74.98
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0058	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	772.20	78.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	916.01	82.13
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0060 4' High Gates For Picket Fences *(32 31 23 00-0054)*

32 31 23 00-0061	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	669.70	74.98
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0062	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	695.91	78.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0063	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	779.33	82.13
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	923.16	85.70
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0065 5' High Gates For Picket Fences *(32 31 23 00-0054)*

32 31 23 00-0066	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	695.91	78.56
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0067	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	728.47	82.13
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0068	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	843.70	85.70
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	993.88	89.27
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0070 6' High Gates For Picket Fences *(32 31 23 00-0054)*

32 31 23 00-0071	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	735.62	85.70
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0072	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	768.19	89.27
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0073	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	937.44	92.84
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0074	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	1,039.95	96.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0075		Gates Accessories *(32 31 23 00-0032)*		
32 31 23 00-0076	EA	Gate Stop/Drop Rod	150.13	
32 31 23 00-0077	EA	Latch Set	104.04	
32 31 23 00-0078	EA	Stainless Steel Latch Set	150.13	
32 31 26		**Wire Fences and Gates** *(32 31)*		
32 31 26 13		**Wire Fences with Steel Posts** *(32 31 26)*		
32 31 26 13-0001		Chicken Wire *(32 31 26 13)*		
		Note: Posts at 4'.		
32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.27	1.93
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	10.08	1.93
32 31 26 13-0004		Wire And Screen *(32 31 26 13)*		
32 31 26 13-0005		Wire And Screen For Partitions And Fences *(32 31 26 13-0004)*		
		Note: Excludes framing and post.		
32 31 26 13-0006		Screen Wire *(32 31 26 13-0005)*		
32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	16.16	1.44
32 31 26 13-0008		Hog Wire *(32 31 26 13-0005)*		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	2.88	1.14
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	3.02	1.30
32 31 26 13-0011		Non-Climb Horse Fence *(32 31 26 13-0005)*		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	13.01	4.60
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	16.67	5.74
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	20.86	6.90
32 31 26 13-0015		Screen For Partitions And Ceilings *(32 31 26 13-0004)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	2.64	0.81
32 31 26 13-0017		Wicket Fence *(32 31 26 13)*		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted	84.04	5.80
32 31 29		**Wood Fences and Gates** *(32 31)*		
		See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 29 00-0001		Basket Weave *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	48.31	3.85
		For Fastening With Screws Instead Of Nails, Add	*2.82*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	31.52	3.85
		For Fastening With Screws Instead Of Nails, Add	*2.01*	
32 31 29 00-0004		Board Fence *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	30.79	3.85
		For 1" x 6" Boards, Deduct	*-3.18*	
		For 1" x 3" Boards (Stockade Top), Add	*3.94*	
		For Fastening With Screws Instead Of Nails, Add	*1.98*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	34.30	3.85
		For 1" x 6" Boards, Deduct	*-3.47*	
		For 1" x 3" Boards (Stockade Top), Add	*4.27*	
		For Fastening With Screws Instead Of Nails, Add	*2.19*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	38.41	3.85
		For 1" x 6" Boards, Deduct	*-3.71*	
		For 1" x 3" Boards (Stockade Top), Add	*4.52*	
		For Fastening With Screws Instead Of Nails, Add	*2.42*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	41.04	3.85
		For 1" x 6" Boards, Deduct	*-3.91*	
		For 1" x 3" Boards (Stockade Top), Add	*4.73*	
		For Fastening With Screws Instead Of Nails, Add	*2.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	43.91	3.85
		For 1" x 6" Boards, Deduct	*-4.11*	
		For 1" x 3" Boards (Stockade Top), Add	*4.95*	
		For Fastening With Screws Instead Of Nails, Add	*2.73*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	32.99	3.85
		For 1" x 6" Boards, Deduct	*-3.27*	
		For 1" x 3" Boards (Stockade Top), Add	*4.01*	
		For Fastening With Screws Instead Of Nails, Add	*2.09*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	36.00	3.85
		For 1" x 6" Boards, Deduct	*-3.54*	
		For 1" x 3" Boards (Stockade Top), Add	*4.32*	
		For Fastening With Screws Instead Of Nails, Add	*2.28*	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	38.41	3.85
		For 1" x 6" Boards, Deduct	*-3.71*	
		For 1" x 3" Boards (Stockade Top), Add	*4.52*	
		For Fastening With Screws Instead Of Nails, Add	*2.42*	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	41.04	3.85
		For 1" x 6" Boards, Deduct	*-3.91*	
		For 1" x 3" Boards (Stockade Top), Add	*4.73*	
		For Fastening With Screws Instead Of Nails, Add	*2.57*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	43.91	3.85
		For 1" x 6" Boards, Deduct	*-4.11*	
		For 1" x 3" Boards (Stockade Top), Add	*4.95*	
		For Fastening With Screws Instead Of Nails, Add	*2.73*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	33.00	3.85
		For 1" x 6" Boards, Deduct	*-3.27*	
		For 1" x 3" Boards (Stockade Top), Add	*4.01*	
		For Fastening With Screws Instead Of Nails, Add	*2.09*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	43.51	3.85
		For 1" x 6" Boards, Deduct	*-3.84*	
		For 1" x 3" Boards (Stockade Top), Add	*4.55*	
		For Fastening With Screws Instead Of Nails, Add	*2.65*	
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	45.61	3.85
		For 1" x 6" Boards, Deduct	*-4.00*	
		For 1" x 3" Boards (Stockade Top), Add	*4.73*	
		For Fastening With Screws Instead Of Nails, Add	*2.78*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	49.10	3.85
		For 1" x 6" Boards, Deduct	*-4.23*	
		For 1" x 3" Boards (Stockade Top), Add	*4.97*	
		For Fastening With Screws Instead Of Nails, Add	*2.97*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	52.88	3.85
		For 1" x 6" Boards, Deduct	*-4.47*	
		For 1" x 3" Boards (Stockade Top), Add	*5.22*	
		For Fastening With Screws Instead Of Nails, Add	*3.18*	

32 31 29 00-0020 Shadow Box *(32 31 29)*

Note: 1x6" board, 2x4" Rail, 4x4" post.

32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	67.43	3.85
		For Fastening With Screws Instead Of Nails, Add	*3.77*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	84.79	3.85
		For Fastening With Screws Instead Of Nails, Add	*4.72*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	92.45	3.85
		For Fastening With Screws Instead Of Nails, Add	*5.12*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	99.34	3.85
		For Fastening With Screws Instead Of Nails, Add	*5.50*	

32 31 29 00-0025 Open Rail Fence *(32 31 29)*

32 31 29 00-0026 Post And Rail Fence, Ranch Style *(32 31 29 00-0025)*

32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	30.91	3.85
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	23.93	3.85
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	36.74	3.85
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	25.86	3.85

32 31 29 00-0031 Split Rail Fence *(32 31 29 00-0025)*

32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	29.12	3.85
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.85	3.85
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	33.31	3.85
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	26.87	3.85

32 31 29 00-0036 Picket Fence *(32 31 29)*

32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	35.33	3.85
		For Fastening With Screws Instead Of Nails, Add	*2.23*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	32.93	3.85
		For Fastening With Screws Instead Of Nails, Add	*2.11*	

32 31 29 00-0039 Wood Fence Post Accessories *(32 31 29)*

32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	48.81	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	54.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	59.63	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	88.33	

32 31 29 00-0044 Wood Gate *(32 31 29)*

32 31 29 00-0045 Board Fence Gates, Pressure Treated Wood *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).

32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	508.99	159.22
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	562.40	168.77
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	628.56	184.68
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	712.45	194.24
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	796.35	203.79
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	649.00	210.16
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	706.23	219.71
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	763.44	229.27
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	858.78	238.82
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	935.05	248.37

32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	755.33	120.40
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	781.21	127.62
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	820.54	139.65
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	865.47	146.88
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	921.85	154.11
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	889.56	158.92
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	923.06	166.14
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	975.62	173.37
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,028.19	180.59
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,080.74	187.82

32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)

32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	812.50	120.40
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	846.01	127.62
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	889.14	139.65
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	941.70	146.88
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	994.26	154.11
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	965.79	158.92
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	999.29	166.14
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,051.85	173.37
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,104.41	180.59
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,176.02	187.82

32 31 29 00-0078 Plywood Fence Gates *(32 31 29 00-0044)*

Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2 x 4 frame, and galvanized nails and hinges.

32 31 29 00-0079	EA	6' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	997.80	161.22
32 31 29 00-0080	EA	7' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,010.16	161.22
32 31 29 00-0081	EA	8' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,164.03	175.88
32 31 29 00-0082	EA	9' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,176.38	175.88
32 31 29 00-0083	EA	10' High, 5/8" CDX Plywood Gate, 6' To 10' Wide Note: Unpainted. Excludes post.	1,251.53	190.53
32 31 29 00-0084	EA	6' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,799.64	293.13
32 31 29 00-0085	EA	7' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	1,824.34	293.13
32 31 29 00-0086	EA	8' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,053.37	322.44
32 31 29 00-0087	EA	9' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,078.08	322.44
32 31 29 00-0088	EA	10' High, 5/8" CDX Plywood Gate, >10' To 20' Wide Note: Unpainted. Excludes post.	2,228.39	351.75
32 31 29 00-0089	EA	6' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,358.08	586.25
32 31 29 00-0090	EA	7' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,407.49	586.25
32 31 29 00-0091	EA	8' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,786.82	644.88
32 31 29 00-0092	EA	9' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	3,836.23	644.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0093	EA	10' High, 5/8" CDX Plywood Gate, >20' To 40' Wide Note: Unpainted. Excludes post.	4,195.47	718.16
32 31 29 00-0094		**Wood Gates Accessories** *(32 31 29 00-0044)*		
32 31 29 00-0095	EA	Galvanized Steel Padlockable Slide Latch, 6-3/16" Bolt Length	54.31	14.29
32 31 29 00-0096	EA	Black Steel Padlockable Slide Latch, 6-3/16" Bolt Length	40.18	14.29
32 31 29 00-0097	EA	Stainless Steel Padlockable Slide Latch, 6-3/16" Bolt Length	99.77	14.29
32 31 29 00-0098	EA	Black Steel Cane Bolt, 18" Bolt Length	69.46	17.86
32 31 29 00-0099	EA	Zinc Coated Steel Cane Bolt, 18" Bolt Length	68.72	17.86
32 31 29 00-0100	EA	Galvanized Steel Self Latching Gate Latches, 4-1/4" Bolt Length	84.93	17.86
32 31 29 00-0101	EA	Black Steel Self Latching Gate Latches, 4-1/4" Bolt Length	62.18	17.86
32 31 29 00-0102	EA	Stainless Steel Self Latching Gate Latches, 4-1/4" Bolt Length	95.73	17.86
32 31 29 00-0103		**Pressure Treated Wood Fence Posts** *(32 31 29)* See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0104	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	48.50	15.92
32 31 29 00-0105	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	54.52	15.92
32 31 29 00-0106	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	85.53	30.56
32 31 29 00-0107	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	92.39	30.56
32 31 29 00-0108		**Wood Utility Pole Fence** *(32 31 29)* Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0109	LF	Wood Utility Pole Barrier Fence Note: Includes notching post, drilling and pinned with #5 rebar.	59.26	3.85
32 31 29 00-0110		**Wood Rail Fence** *(32 31 29)* Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0111	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	29.83	3.85
32 31 34		**Tubular Barrier Gates** *(32 31)*		
32 31 34 00-0001		**Tube Gate** *(32 31 34)* See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0645 for gate accessories.		
32 31 34 00-0002		**50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	219.42	29.78
		For 13 Gauge Tubing, Add	*35.06*	
		For Galvanized Finish, Add	*19.68*	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	285.26	38.61
		For 13 Gauge Tubing, Add	*45.47*	
		For Galvanized Finish, Add	*25.41*	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	384.46	49.64
		For 13 Gauge Tubing, Add	*62.00*	
		For Galvanized Finish, Add	*35.33*	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	444.33	61.77
		For 13 Gauge Tubing, Add	*70.11*	
		For Galvanized Finish, Add	*38.52*	
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	527.00	73.47
		For 13 Gauge Tubing, Add	*83.34*	
		For Galvanized Finish, Add	*45.96*	
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	575.83	82.73
		For 13 Gauge Tubing, Add	*90.35*	
		For Galvanized Finish, Add	*49.14*	
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	675.84	95.42
		For 13 Gauge Tubing, Add	*106.49*	
		For Galvanized Finish, Add	*58.35*	
32 31 34 00-0010		**33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)* Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	285.16	29.78
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	341.81	38.61
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	409.07	49.64
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	472.36	61.77
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	536.18	73.47
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	594.22	82.73
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	664.33	95.42
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	763.07	107.39
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	848.22	120.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0020		33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*		
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	308.23	29.78
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	364.49	38.61
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	424.45	49.64
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	494.79	61.77
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	552.39	73.47
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	632.06	82.73
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	705.43	95.42
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	825.78	107.39
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	904.61	120.13
32 31 34 00-0030		Tubular Steel Barrier Gate (Triangular Shape) *(32 31 34 00-0001)*		
		Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,489.80	61.77
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,701.29	73.47
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	3,198.06	82.73
32 31 34 00-0034		Pipe Gate *(32 31 34)*		
		Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0035	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,340.26	
32 31 34 00-0036	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,429.10	
32 31 34 00-0037	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,470.25	
32 31 41		**Precast Concrete Fences** *(32 31)*		
32 31 41 00-0001		Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. *(32 31 41)*		
		Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury	73.95	3.85
		Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.		
32 31 56		**Wild Life Deterrent Fence** *(32 31)*		
32 31 56 00-0001		Barbed Wire Fences *(32 31 56)*		
		Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 56 00-0002		Fence Posts *(32 31 56 00-0001)*		
32 31 56 00-0003		Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*		
32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	113.09	8.82
		For Bracing On Corner Post, End Post And Pull Post, Add	*182.61*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	152.79	8.82
		For Bracing On Corner Post, End Post And Pull Post, Add	*248.91*	
32 31 56 00-0006		Post In Rock *(32 31 56 00-0002)*		
32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	111.16	8.82
		For Bracing On Corner Post, End Post And Pull Post, Add	*179.71*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	150.86	8.82
		For Bracing On Corner Post, End Post And Pull Post, Add	*246.01*	
32 31 56 00-0009		Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*		
		Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	28.34	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	29.03	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	30.37	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	31.69	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	33.46	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	37.72	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	46.06	
32 31 56 00-0017		Barbed Wire *(32 31 56 00-0001)*		
		Note: Per strand.		
32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.99	0.44
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.15	0.44
32 31 56 00-0020		Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*		
		Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts	12.64	2.87
		Note: Posts at 10' maximum.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls *(32 32 13)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	413.24	155.25
		For >3:1 Sloped Soil At Top, Add	*8.74*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	514.97	191.04
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	560.53	206.05
		For >3:1 Sloped Soil At Top, Add	*12.62*	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	712.45	254.78
		For >3:1 Sloped Soil At Top, Add	*17.26*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	820.91	292.65
		For >3:1 Sloped Soil At Top, Add	*20.02*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,188.78	429.33
		For >3:1 Sloped Soil At Top, Add	*28.07*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,632.64	592.71
		For >3:1 Sloped Soil At Top, Add	*38.01*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	453.91	169.54
		For >3:1 Sloped Soil At Top, Add	*9.76*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	554.94	204.28
		For >3:1 Sloped Soil At Top, Add	*12.45*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	586.97	213.15
		For >3:1 Sloped Soil At Top, Add	*13.66*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	805.96	285.66
		For >3:1 Sloped Soil At Top, Add	*19.94*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,022.86	366.93
		For >3:1 Sloped Soil At Top, Add	*24.56*	
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,534.97	556.20
		For >3:1 Sloped Soil At Top, Add	*35.93*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,166.35	785.09
		For >3:1 Sloped Soil At Top, Add	*50.67*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001 Precast Retaining Walls *(32 32 16)*

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	110.54	16.17
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	113.49	12.99
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	117.67	10.83
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	127.23	10.83
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	134.59	9.23

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	75.58	9.60
		For >3:1 Sloped Soil At Top, Add	*4.79*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	79.74	10.10
		For >3:1 Sloped Soil At Top, Add	*5.06*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	83.11	11.11
		For >3:1 Sloped Soil At Top, Add	*5.18*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	86.68	12.12
		For >3:1 Sloped Soil At Top, Add	*5.31*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	78.53	9.60
		For >3:1 Sloped Soil At Top, Add	*5.04*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	82.69	10.10
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	86.05	11.11
		For >3:1 Sloped Soil At Top, Add	*5.43*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	89.62	12.12
		For >3:1 Sloped Soil At Top, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0012		"Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	85.57	9.60
		For >3:1 Sloped Soil At Top, Add	*5.64*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	89.73	10.10
		For >3:1 Sloped Soil At Top, Add	*5.91*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	93.10	11.11
		For >3:1 Sloped Soil At Top, Add	*6.02*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	96.67	12.12
		For >3:1 Sloped Soil At Top, Add	*6.16*	
32 32 23 13-0017		"Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	75.58	9.60
		For >3:1 Sloped Soil At Top, Add	*4.79*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	79.74	10.10
		For >3:1 Sloped Soil At Top, Add	*5.06*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	83.11	11.11
		For >3:1 Sloped Soil At Top, Add	*5.18*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	86.68	12.12
		For >3:1 Sloped Soil At Top, Add	*5.31*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0022		"Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*		
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	66.64	9.60
		For >3:1 Sloped Soil At Top, Add	*4.03*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	73.74	10.10
		For >3:1 Sloped Soil At Top, Add	*4.55*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	77.16	11.11
		For >3:1 Sloped Soil At Top, Add	*4.67*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	80.18	12.12
		For >3:1 Sloped Soil At Top, Add	*4.75*	
32 32 23 13-0027		Retaining Wall Cap Block Restoration *(32 32 23 13-0001)*		
		Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	42.20	
		For >3:1 Sloped Soil At Top, Add	*2.26*	
32 32 26		**Metal Crib Retaining Walls** *(32 32)*		
32 32 26 00-0001		Bin Type Retaining Wall *(32 32 26)*		
32 32 26 00-0002		Vertical Bin Walls *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	79.96	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	94.74	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	110.38	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	119.24	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	133.21	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	142.07	
32 32 26 00-0009		Battered Bin Walls *(32 32 26 00-0001)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	71.11	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	77.02	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	86.65	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	96.99	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	113.54	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	116.49	
32 32 26 00-0016		Aluminized Steel Bin *(32 32 26)*		
		Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	48.40	5.48
		For >3:1 Sloped Soil At Top, Add	*3.18*	
		For Galvanized Type, Deduct	*-3.75*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	54.19	5.48
		For >3:1 Sloped Soil At Top, Add	*3.67*	
		For Galvanized Type, Deduct	*-4.31*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	57.87	5.99
		For >3:1 Sloped Soil At Top, Add	*3.91*	
		For Galvanized Type, Deduct	*-4.60*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	65.92	6.76
		For >3:1 Sloped Soil At Top, Add	*4.45*	
		For Galvanized Type, Deduct	*-5.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	63.48	7.01
		For >3:1 Sloped Soil At Top, Add	*4.21*	
		For Galvanized Type, Deduct	*-4.96*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	70.75	7.14
		For >3:1 Sloped Soil At Top, Add	*4.81*	
		For Galvanized Type, Deduct	*-5.66*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	78.49	7.52
		For >3:1 Sloped Soil At Top, Add	*5.38*	
		For Galvanized Type, Deduct	*-6.33*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	80.37	7.91
		For >3:1 Sloped Soil At Top, Add	*5.50*	
		For Galvanized Type, Deduct	*-6.47*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	84.54	7.91
		For >3:1 Sloped Soil At Top, Add	*5.84*	
		For Galvanized Type, Deduct	*-6.87*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	88.71	8.03
		For >3:1 Sloped Soil At Top, Add	*6.18*	
		For Galvanized Type, Deduct	*-7.28*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	91.67	8.16
		For >3:1 Sloped Soil At Top, Add	*6.41*	
		For Galvanized Type, Deduct	*-7.55*	

32 32 29 Timber Retaining Walls *(32 32)*

32 32 29 00-0001 Wood Post Retaining Walls *(32 32 29)*

Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	94.49	35.03
		For >3:1 Sloped Soil At Top, Add	*2.09*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	184.96	68.59
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	91.36	35.03
		For >3:1 Sloped Soil At Top, Add	*1.82*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	178.87	68.59
		For >3:1 Sloped Soil At Top, Add	*3.55*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	84.80	30.60
		For >3:1 Sloped Soil At Top, Add	*2.00*	
32 32 29 00-0007	LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	165.94	59.86
		For >3:1 Sloped Soil At Top, Add	*3.92*	
32 32 29 00-0008	LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	75.08	27.17
		For >3:1 Sloped Soil At Top, Add	*1.76*	
32 32 29 00-0009	LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	135.76	49.17
		For >3:1 Sloped Soil At Top, Add	*3.18*	
32 32 29 00-0010	LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	246.25	83.09
		For >3:1 Sloped Soil At Top, Add	*6.81*	
32 32 29 00-0011	LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	485.78	162.87
		For >3:1 Sloped Soil At Top, Add	*13.62*	
32 32 29 00-0012	LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	242.77	83.09
		For >3:1 Sloped Soil At Top, Add	*6.51*	
32 32 29 00-0013	LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	477.08	162.87
		For >3:1 Sloped Soil At Top, Add	*12.88*	
32 32 29 00-0014	LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	209.88	67.49
		For >3:1 Sloped Soil At Top, Add	*6.36*	
32 32 29 00-0015	LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	416.31	133.25
		For >3:1 Sloped Soil At Top, Add	*12.73*	
32 32 29 00-0016	LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	168.09	53.96
		For >3:1 Sloped Soil At Top, Add	*5.11*	
32 32 29 00-0017	LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	330.42	105.59
		For >3:1 Sloped Soil At Top, Add	*10.14*	
32 32 29 00-0018	LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	598.76	180.07
		For >3:1 Sloped Soil At Top, Add	*20.28*	
32 32 29 00-0019	LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,119.74	336.18
		For >3:1 Sloped Soil At Top, Add	*38.03*	
32 32 29 00-0020	LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	581.34	180.07
		For >3:1 Sloped Soil At Top, Add	*18.80*	
32 32 29 00-0021	LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	1,086.66	336.18
		For >3:1 Sloped Soil At Top, Add	*35.22*	
32 32 29 00-0022	LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	593.09	207.73
		For >3:1 Sloped Soil At Top, Add	*15.10*	
32 32 29 00-0023	LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,106.70	387.93
		For >3:1 Sloped Soil At Top, Add	*28.12*	
32 32 29 00-0024	LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	479.43	167.90
		For >3:1 Sloped Soil At Top, Add	*12.21*	
32 32 29 00-0025	LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	889.22	311.47
		For >3:1 Sloped Soil At Top, Add	*22.64*	
32 32 29 00-0026	LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	182.03	69.20
		For >3:1 Sloped Soil At Top, Add	*3.70*	
32 32 29 00-0027	LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	272.17	103.86
		For >3:1 Sloped Soil At Top, Add	*5.48*	
32 32 29 00-0028	LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	362.21	138.40
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 29 00-0029	LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	120.91	39.09
		For >3:1 Sloped Soil At Top, Add	*3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0030	LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	175.55	56.42
		For >3:1 Sloped Soil At Top, Add	*5.33*	
32 32 29 00-0031	LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	237.65	76.21
		For >3:1 Sloped Soil At Top, Add	*7.25*	

32 32 29 00-0032 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033 Redwood *(32 32 29 00-0032)*

32 32 29 00-0034	LF	2' High, 6" x 6" Wood Tie Wall	126.96	42.53
		For >3:1 Sloped Soil At Top, Add	*3.55*	
32 32 29 00-0035	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	289.64	96.98
		For >3:1 Sloped Soil At Top, Add	*8.14*	
32 32 29 00-0036	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	433.66	145.42
		For >3:1 Sloped Soil At Top, Add	*12.14*	
32 32 29 00-0037	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	414.65	124.63
		For >3:1 Sloped Soil At Top, Add	*14.06*	
32 32 29 00-0038	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	622.99	186.96
		For >3:1 Sloped Soil At Top, Add	*21.16*	
32 32 29 00-0039	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	822.42	245.83
		For >3:1 Sloped Soil At Top, Add	*28.12*	

32 32 29 00-0040 Cedar *(32 32 29 00-0032)*

32 32 29 00-0041	LF	2' High, 6" x 6" Wood Tie Wall	125.22	42.53
		For >3:1 Sloped Soil At Top, Add	*3.40*	
32 32 29 00-0042	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	284.42	96.98
		For >3:1 Sloped Soil At Top, Add	*7.70*	
32 32 29 00-0043	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	426.70	145.42
		For >3:1 Sloped Soil At Top, Add	*11.54*	
32 32 29 00-0044	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	402.46	124.63
		For >3:1 Sloped Soil At Top, Add	*13.02*	
32 32 29 00-0045	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	605.58	186.96
		For >3:1 Sloped Soil At Top, Add	*19.68*	
32 32 29 00-0046	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	798.04	245.83
		For >3:1 Sloped Soil At Top, Add	*26.05*	

32 32 29 00-0047 Creosoted Wood *(32 32 29 00-0032)*

32 32 29 00-0048	LF	2' High, 6" x 8" Wood Tie Wall	142.56	56.42
		For >3:1 Sloped Soil At Top, Add	*2.52*	
32 32 29 00-0049	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	326.73	129.80
		For >3:1 Sloped Soil At Top, Add	*5.70*	
32 32 29 00-0050	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	484.39	192.12
		For >3:1 Sloped Soil At Top, Add	*8.51*	
32 32 29 00-0051	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	656.81	261.32
		For >3:1 Sloped Soil At Top, Add	*11.40*	
32 32 29 00-0052	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	956.34	380.67
		For >3:1 Sloped Soil At Top, Add	*16.58*	
32 32 29 00-0053	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,268.88	504.70
		For >3:1 Sloped Soil At Top, Add	*22.05*	

32 32 29 00-0054 Pressure Treated Wood *(32 32 29 00-0032)*

32 32 29 00-0055	LF	2' High, 6" x 6" Wood Tie Wall	109.55	35.16
		For >3:1 Sloped Soil At Top, Add	*3.34*	
32 32 29 00-0056	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	248.93	79.65
		For >3:1 Sloped Soil At Top, Add	*7.62*	
32 32 29 00-0057	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	372.95	119.47
		For >3:1 Sloped Soil At Top, Add	*11.40*	
32 32 29 00-0058	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	410.01	143.69
		For >3:1 Sloped Soil At Top, Add	*10.43*	
32 32 29 00-0059	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	615.66	214.73
		For >3:1 Sloped Soil At Top, Add	*15.84*	
32 32 29 00-0060	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	816.49	285.54
		For >3:1 Sloped Soil At Top, Add	*20.87*	

32 32 29 00-0061 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	73.15	20.77
		For >3:1 Sloped Soil At Top, Add	*2.69*	
32 32 29 00-0063	LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	113.64	35.52
		For >3:1 Sloped Soil At Top, Add	*3.63*	
32 32 29 00-0064	LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	148.37	44.12
		For >3:1 Sloped Soil At Top, Add	*5.11*	
32 32 29 00-0065	LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	207.71	62.57
		For >3:1 Sloped Soil At Top, Add	*7.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0066	LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	271.54	81.37
		For >3:1 Sloped Soil At Top, Add	*9.25*	
32 32 29 00-0067	LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	555.34	161.02
		For >3:1 Sloped Soil At Top, Add	*19.83*	
32 32 29 00-0068	LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	626.50	178.35
		For >3:1 Sloped Soil At Top, Add	*22.94*	
32 32 29 00-0069	LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	74.45	21.64
		For >3:1 Sloped Soil At Top, Add	*2.65*	
32 32 29 00-0070	LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	130.85	38.48
		For >3:1 Sloped Soil At Top, Add	*4.59*	
32 32 29 00-0071	LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	128.58	37.74
		For >3:1 Sloped Soil At Top, Add	*4.51*	
32 32 29 00-0072	LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	180.65	54.20
		For >3:1 Sloped Soil At Top, Add	*6.14*	
32 32 29 00-0073	LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	281.95	86.53
		For >3:1 Sloped Soil At Top, Add	*9.25*	
32 32 29 00-0074	LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	222.62	66.50
		For >3:1 Sloped Soil At Top, Add	*7.62*	
32 32 29 00-0075	LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	574.34	166.19
		For >3:1 Sloped Soil At Top, Add	*20.57*	
32 32 29 00-0076	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	97.84	39.95
		For >3:1 Sloped Soil At Top, Add	*1.52*	
32 32 29 00-0077	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	141.19	56.78
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 29 00-0078	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	203.67	77.93
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 29 00-0079	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	356.25	131.52
		For >3:1 Sloped Soil At Top, Add	*7.92*	
32 32 29 00-0080	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	360.60	131.52
		For >3:1 Sloped Soil At Top, Add	*8.29*	
32 32 29 00-0081	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	339.83	126.36
		For >3:1 Sloped Soil At Top, Add	*7.40*	
32 32 29 00-0082	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	797.20	290.70
		For >3:1 Sloped Soil At Top, Add	*18.35*	
32 32 29 00-0083	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	97.84	39.95
		For >3:1 Sloped Soil At Top, Add	*1.52*	
32 32 29 00-0084	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	141.19	56.78
		For >3:1 Sloped Soil At Top, Add	*2.35*	
32 32 29 00-0085	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	203.67	77.93
		For >3:1 Sloped Soil At Top, Add	*4.07*	
32 32 29 00-0086	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	255.69	96.98
		For >3:1 Sloped Soil At Top, Add	*5.25*	
32 32 29 00-0087	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	356.25	131.52
		For >3:1 Sloped Soil At Top, Add	*7.92*	
32 32 29 00-0088	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	339.83	126.36
		For >3:1 Sloped Soil At Top, Add	*7.40*	
32 32 29 00-0089	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	797.20	290.70
		For >3:1 Sloped Soil At Top, Add	*18.35*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	508.61	227.40
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	599.85	270.53
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	787.55	359.43
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,212.74	561.98
		For >3:1 Sloped Soil At Top, Add	*7.54*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,575.28	735.13
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,954.67	915.46
		For >3:1 Sloped Soil At Top, Add	*10.51*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	456.39	201.33
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	535.20	238.21
		For >3:1 Sloped Soil At Top, Add	*4.99*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	692.11	311.65
		For >3:1 Sloped Soil At Top, Add	*5.84*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	1,059.13	485.20
		For >3:1 Sloped Soil At Top, Add	*7.54*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,359.80	627.44
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,688.88	782.61
		For >3:1 Sloped Soil At Top, Add	*10.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0015		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $32.00/ton.		
32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	524.85	227.40
		For >3:1 Sloped Soil At Top, Add	*5.95*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	622.34	270.53
		For >3:1 Sloped Soil At Top, Add	*6.90*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	820.04	359.43
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,260.22	561.98
		For >3:1 Sloped Soil At Top, Add	*11.58*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,640.25	735.13
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	2,037.14	915.46
		For >3:1 Sloped Soil At Top, Add	*17.52*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	472.63	201.33
		For >3:1 Sloped Soil At Top, Add	*5.95*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	557.69	238.21
		For >3:1 Sloped Soil At Top, Add	*6.90*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	724.60	311.65
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	1,106.61	485.20
		For >3:1 Sloped Soil At Top, Add	*11.58*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,424.77	627.44
		For >3:1 Sloped Soil At Top, Add	*14.44*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,771.35	782.61
		For >3:1 Sloped Soil At Top, Add	*17.52*	
32 32 53 00-0028		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $48.00/ton.		
32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	542.34	227.40
		For >3:1 Sloped Soil At Top, Add	*7.43*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	644.58	270.53
		For >3:1 Sloped Soil At Top, Add	*8.79*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	851.28	359.43
		For >3:1 Sloped Soil At Top, Add	*11.26*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,307.71	561.98
		For >3:1 Sloped Soil At Top, Add	*15.61*	
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,705.22	735.13
		For >3:1 Sloped Soil At Top, Add	*19.97*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	2,120.85	915.46
		For >3:1 Sloped Soil At Top, Add	*24.64*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	490.12	201.33
		For >3:1 Sloped Soil At Top, Add	*7.43*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	580.18	238.21
		For >3:1 Sloped Soil At Top, Add	*8.82*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	755.84	311.65
		For >3:1 Sloped Soil At Top, Add	*11.26*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	1,154.10	485.20
		For >3:1 Sloped Soil At Top, Add	*15.61*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,489.74	627.44
		For >3:1 Sloped Soil At Top, Add	*19.97*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,855.06	782.61
		For >3:1 Sloped Soil At Top, Add	*24.64*	
32 32 53 00-0041		**Stone Retaining Walls** *(32 32 53 00-0001)* Note: Stone at $64.00/ton.		
32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	559.84	227.40
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	642.33	270.53
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	885.01	359.43
		For >3:1 Sloped Soil At Top, Add	*14.13*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,357.69	561.98
		For >3:1 Sloped Soil At Top, Add	*19.86*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,772.70	735.13
		For >3:1 Sloped Soil At Top, Add	*25.70*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	2,205.82	915.46
		For >3:1 Sloped Soil At Top, Add	*31.86*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	507.62	201.33
		For >3:1 Sloped Soil At Top, Add	*8.92*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	602.67	238.21
		For >3:1 Sloped Soil At Top, Add	*10.73*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	789.57	311.65
		For >3:1 Sloped Soil At Top, Add	*14.13*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,204.08	485.20
		For >3:1 Sloped Soil At Top, Add	*19.86*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,557.22	627.44
		For >3:1 Sloped Soil At Top, Add	*25.70*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,940.03	782.61
		For >3:1 Sloped Soil At Top, Add	*31.86*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	825.39	134.87
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,242.56	221.57
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,146.13	337.18

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	722.33	120.42
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	1,018.38	200.38
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,749.82	301.06

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	134.24	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,079.74	236.32

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*

Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	593.95	144.51
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	813.85	156.55
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,033.76	168.60
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,281.65	180.63
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,529.54	192.67
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,665.53	204.72

32 33 13 00-0023 Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	675.97	144.51
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	872.98	156.55
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,070.00	168.60
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,245.41	180.63
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,442.43	192.67
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,682.69	204.72
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized	1,987.80	240.84
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized	2,314.52	228.81
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized	2,619.63	240.84

32 33 13 00-0033 Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	593.95	144.51
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	813.85	156.55
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,033.76	168.60
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,281.65	180.63
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,529.54	192.67
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,665.53	204.72

32 33 13 00-0040 Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	697.59	144.51
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	916.21	156.55
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,113.24	168.60
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,353.50	180.63
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,550.52	192.67
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,812.40	204.72
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated	2,160.73	240.84
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated	2,509.07	228.81
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated	2,835.80	240.84

32 33 13 00-0050 Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,145.04	144.51
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,718.82	156.55
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,292.65	168.60
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,945.01	180.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,597.34	192.67
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,935.56	204.72
32 33 13 00-0057		**Stainless Steel, 42" High, 2-3/8" OD Tubing** *(32 33 13 00-0015)*		
32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	892.14	144.51
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,997.07	156.55
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,626.44	168.60
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,212.58	180.63
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,820.32	192.67
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,449.69	204.72
32 33 13 00-0064	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel	4,992.59	240.84
32 33 13 00-0065	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel	5,751.65	228.81
32 33 13 00-0066	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel	6,489.11	240.84
32 33 13 00-0067		**Bike Racks Bollards/Bicycle Posts** *(32 33 13 00-0001)* Note: In-ground mount.		
32 33 13 00-0068	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	671.71	108.38
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		**Steel Trash Containment** *(32 33 23)*		
32 33 23 00-0002		**Steel Frame Surrounded With Kiln-Dried Wood** *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	576.61	57.54
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	550.21	57.54
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	550.21	57.54
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	520.52	57.54
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	576.61	57.54
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	520.52	57.54
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	715.18	57.54
32 33 23 00-0010		**Square Steel Frames Surrounded With Flat Steel** *(32 33 23 00-0001)*		
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,047.23	57.54
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,131.08	57.54
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,131.08	57.54
32 33 23 00-0014		**Round Steel Pipe And Flat Steel Frames** *(32 33 23 00-0001)* Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,550.32	57.54
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,670.11	57.54
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,924.65	57.54
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,744.97	57.54
32 33 23 00-0019		**Round Steel Pipe Surrounded With Perforated** *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,385.62	57.54
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,505.40	57.54
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,759.95	57.54
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,595.24	57.54
32 33 23 00-0024		**Round Steel Pipe Frames Surrounded With Welded Wire** *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,101.13	57.54
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,220.92	57.54
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,475.46	57.54
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,310.75	57.54
32 33 23 00-0029		**Litter Baskets** *(32 33 23)*		
32 33 23 00-0030		**Round Wire Litter Baskets** *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	194.63	5.85
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	245.87	5.85
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	332.81	5.85
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	381.87	5.85
32 33 23 00-0035		**Trash Can/Wire Basket Holder** *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	275.12	46.99
32 33 23 00-0037	EA	Steel Post, Double Holder	373.18	46.99
32 33 23 00-0038	EA	Redwood Post, Single Holder	151.64	46.99
32 33 23 00-0039	EA	Redwood Post, Double Holder	176.28	46.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0040		**Litter Receptacles, Freestanding** *(32 33 23 00-0029)*		
		Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,565.72	23.98
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,648.20	23.98
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,919.63	35.96
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	2,002.12	35.96
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	2,084.61	35.96
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,167.10	35.96
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,728.57	31.17
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,811.06	31.17
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0049		**Ash Receptacles** *(32 33 23)*		
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	632.72	23.98
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	270.20	23.98
32 33 23 00-0052		**Trash Receptacles** *(32 33 23)*		
32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,285.26	23.98
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	485.72	23.98
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	682.49	23.98
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	712.18	26.37
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	766.73	28.77
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	611.89	19.18
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	731.37	19.18
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,183.16	23.98
32 33 23 00-0061		**Trash Containers (Dumpsters)** *(32 33 23)*		
32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	319.14	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	478.72	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	638.29	
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	638.29	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	957.43	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	1,276.57	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	1,914.86	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	2,553.15	
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		**Precast Concrete Planters** *(32 33 33)*		
32 33 33 00-0002		**Circular Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	683.93	29.68
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	766.82	35.62
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	837.84	35.62
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	910.29	41.55
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,103.23	53.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,199.32	53.42
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,351.14	59.36
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,426.34	59.36
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,591.80	74.20
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,693.20	78.95
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,764.17	83.10
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,601.52	74.20
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,762.08	83.10
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,252.31	89.04
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,922.28	112.78
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,391.61	118.72
32 33 33 00-0019		**Square Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,384.04	77.17
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,582.99	83.10
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,489.78	94.97
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,656.22	100.92
32 33 33 00-0024		**Rectangular Precast Concrete Planters** *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	798.15	35.62
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	940.30	53.42
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,090.04	59.36
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,242.96	74.20
32 33 33 00-0029		**Fiberglass Planters** *(32 33 33)*		
32 33 33 00-0030		**Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,136.21	29.68
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,567.53	29.68
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,417.98	29.68
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,812.99	29.68
32 33 33 00-0035		**Tapered Circular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	819.73	29.68
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,210.53	29.68
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,172.53	29.68
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	3,041.17	29.68
32 33 33 00-0040		**Square Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,082.33	29.68
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,106.82	29.68
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,119.77	29.68
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,272.78	29.68
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,384.25	29.68
32 33 33 00-0046		**Rectangular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,248.55	29.68
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,339.96	29.68
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,751.64	29.68
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,934.48	29.68
32 33 33 00-0051		**Timber Planters** *(32 33 33)*		
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	580.23	57.54
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	580.23	57.54
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,098.25	57.54
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	952.33	57.54
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,134.73	57.54
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,914.96	57.54
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,381.45	57.54
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	572.94	57.54
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	638.60	57.54
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	835.59	57.54
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	923.14	57.54
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,185.80	57.54
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,375.50	57.54
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,536.01	57.54
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,995.66	57.54
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	2,251.02	57.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,564.75	57.54
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,440.72	57.54
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,761.74	57.54
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	3,090.06	57.54

32 33 43 Site Seating and Tables *(32 33)*

32 33 43 13 Site Seating *(32 33 43)*

32 33 43 13-0001 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0002 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0001)*

Note: Includes powder coated steel frames.

32 33 43 13-0003	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	915.39	47.96
32 33 43 13-0004	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,050.87	47.96
32 33 43 13-0005	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,348.89	47.96
32 33 43 13-0006	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	956.05	47.96
32 33 43 13-0007	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,091.51	47.96
32 33 43 13-0008	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,403.08	47.96
32 33 43 13-0009	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,403.08	47.96
32 33 43 13-0010	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,633.37	47.96
32 33 43 13-0011	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,107.50	47.96
32 33 43 13-0012	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,470.81	47.96
32 33 43 13-0013	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,701.10	47.96
32 33 43 13-0014	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,202.32	47.96
32 33 43 13-0015	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,717.09	47.96
32 33 43 13-0016	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,191.21	47.96
32 33 43 13-0017	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,180.10	47.96
32 33 43 13-0018	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,784.82	47.96
32 33 43 13-0019	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,258.94	47.96
32 33 43 13-0020	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,274.93	47.96
32 33 43 13-0021	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,064.42	47.96
32 33 43 13-0022	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,199.88	47.96
32 33 43 13-0023	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,105.06	47.96
32 33 43 13-0024	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,240.52	47.96
32 33 43 13-0025	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,782.38	47.96
32 33 43 13-0026	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,107.50	47.96
32 33 43 13-0027	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,890.75	47.96
32 33 43 13-0028	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,215.87	47.96
32 33 43 13-0029	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,115.73	71.93
32 33 43 13-0030	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,169.91	71.93
32 33 43 13-0031	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,589.85	71.93
32 33 43 13-0032	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	861.22	47.96
32 33 43 13-0033	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	996.69	47.96
32 33 43 13-0034	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,132.15	47.96
32 33 43 13-0035	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,457.27	47.96
32 33 43 13-0036	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,592.73	47.96
32 33 43 13-0037	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	874.77	47.96
32 33 43 13-0038	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	1,010.23	47.96
32 33 43 13-0039	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,145.70	47.96
32 33 43 13-0040	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,497.90	47.96
32 33 43 13-0041	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,633.37	47.96
32 33 43 13-0042	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,484.36	47.96
32 33 43 13-0043	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,714.65	47.96
32 33 43 13-0044	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,215.87	47.96
32 33 43 13-0045	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,446.16	47.96
32 33 43 13-0046	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,511.45	47.96
32 33 43 13-0047	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,741.74	47.96
32 33 43 13-0048	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,256.51	47.96
32 33 43 13-0049	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,486.80	47.96
32 33 43 13-0050	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,484.36	47.96
32 33 43 13-0051	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,093.95	47.96
32 33 43 13-0052	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,863.66	47.96
32 33 43 13-0053	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,459.70	47.96
32 33 43 13-0054	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,689.99	47.96
32 33 43 13-0055	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,701.10	47.96
32 33 43 13-0056	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,134.59	47.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0057	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,890.75	47.96
32 33 43 13-0058	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,500.34	47.96
32 33 43 13-0059	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,730.63	47.96
32 33 43 13-0060	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,562.76	71.93
32 33 43 13-0061	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,806.60	71.93
32 33 43 13-0062	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,321.36	71.93
32 33 43 13-0063	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,711.77	71.93
32 33 43 13-0064	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,955.61	71.93
32 33 43 13-0065	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,551.65	71.93

32 33 43 13-0066 Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0001)*

Note: Includes powder coated steel frames.

32 33 43 13-0067	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,254.07	47.96
32 33 43 13-0068	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,714.65	47.96
32 33 43 13-0069	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,294.71	47.96
32 33 43 13-0070	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,755.29	47.96
32 33 43 13-0071	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,972.03	47.96
32 33 43 13-0072	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,310.69	47.96
32 33 43 13-0073	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,080.40	47.96
32 33 43 13-0074	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,419.06	47.96
32 33 43 13-0075	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,251.19	71.93
32 33 43 13-0076	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,508.58	71.93
32 33 43 13-0077	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,779.50	71.93
32 33 43 13-0078	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	1,023.76	47.96
32 33 43 13-0079	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,375.99	47.96
32 33 43 13-0080	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,646.92	47.96
32 33 43 13-0081	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,064.42	47.96
32 33 43 13-0082	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,416.63	47.96
32 33 43 13-0083	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,701.10	47.96
32 33 43 13-0084	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,633.37	47.96
32 33 43 13-0085	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,202.32	47.96
32 33 43 13-0086	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,676.45	47.96
32 33 43 13-0087	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,701.10	47.96
32 33 43 13-0088	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,297.15	47.96
32 33 43 13-0089	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,771.27	47.96
32 33 43 13-0090	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,191.21	47.96
32 33 43 13-0091	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,396.85	47.96
32 33 43 13-0092	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,870.97	47.96
32 33 43 13-0093	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,258.94	47.96
32 33 43 13-0094	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,491.67	47.96
32 33 43 13-0095	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,965.80	47.96
32 33 43 13-0096	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,999.12	47.96
32 33 43 13-0097	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,784.82	47.96
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,662.90	47.96
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	3,055.75	47.96
32 33 43 13-0100	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,112.37	47.96
32 33 43 13-0101	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	2,026.22	47.96
32 33 43 13-0102	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,825.46	47.96
32 33 43 13-0103	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,703.54	47.96
32 33 43 13-0104	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,096.39	47.96
32 33 43 13-0105	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,180.10	47.96
32 33 43 13-0106	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,901.42	71.93
32 33 43 13-0107	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,565.20	71.93
32 33 43 13-0108	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,174.79	71.93
32 33 43 13-0109	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,131.71	71.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0110	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,849.67	71.93
32 33 43 13-0111	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,134.15	71.93
32 33 43 13-0112	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	915.41	47.96
32 33 43 13-0113	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,199.88	47.96
32 33 43 13-0114	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,619.82	47.96
32 33 43 13-0115	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,904.30	47.96
32 33 43 13-0116	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,215.87	47.96
32 33 43 13-0117	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	942.50	47.96
32 33 43 13-0118	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,226.98	47.96
32 33 43 13-0119	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,660.46	47.96
32 33 43 13-0120	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,944.94	47.96
32 33 43 13-0121	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,270.05	47.96
32 33 43 13-0122	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,782.38	47.96
32 33 43 13-0123	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,446.16	47.96
32 33 43 13-0124	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	3,015.11	47.96
32 33 43 13-0125	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,394.41	47.96
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,809.47	47.96
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,486.80	47.96
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	3,055.75	47.96
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,448.59	47.96

32 33 43 13-0130 Benches (DuMor, Inc.) *(32 33 43 13)*

32 33 43 13-0131	EA	6' Backless Steel Bench (DuMor Site Furniture 92-60)	1,462.35	44.79
32 33 43 13-0132	EA	6' All-Steel Bench (DuMor Site Furniture 93-60)	1,661.47	44.79
32 33 43 13-0133	EA	8' All-Steel Bench (DuMor Site Furniture 93-80)	1,988.46	44.79
32 33 43 13-0134	EA	6' Backless All-Steel Bench (DuMor Site Furniture 95-60)	1,438.60	44.79
32 33 43 13-0135	EA	8' Backless All-Steel Bench (DuMor Site Furniture 95-80)	1,657.81	44.79
32 33 43 13-0136	EA	6' Bench (DuMor Site Furniture #110-60)	2,700.09	44.79
32 33 43 13-0137	EA	5' Bench (DuMor Site Furniture #111-50)	2,134.36	44.79
32 33 43 13-0138	EA	6' Bench (DuMor Site Furniture #117-60)	2,955.28	44.79
32 33 43 13-0139	EA	8' Bench (DuMor Site Furniture #117-80)	3,308.86	44.79
32 33 43 13-0140	EA	6' Bench (DuMor Site Furniture #118-60)	3,192.02	44.79
32 33 43 13-0141	EA	8' Bench (DuMor Site Furniture #118-80)	3,444.14	44.79
32 33 43 13-0142	EA	6' Steel Bench Without Armrest (DuMor Site Furniture 104-60)	1,265.58	44.79
32 33 43 13-0143	EA	6' Steel Bench With Armrest (DuMor Site Furniture 119-60)	1,990.04	44.79
32 33 43 13-0144	EA	6' Steel Bench Without Armrest (DuMor Site Furniture 164-60)	1,248.00	44.79

32 33 43 13-0145 Benches (Landscapeforms) *(32 33 43 13)*

Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.

32 33 43 13-0146	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,525.63	95.90
32 33 43 13-0147	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	1,899.09	95.90
32 33 43 13-0148	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,139.18	95.90
32 33 43 13-0149	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	181.34	23.98
32 33 43 13-0150	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,664.81	95.90
32 33 43 13-0151	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	1,879.38	95.90
32 33 43 13-0152	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,047.55	95.90
32 33 43 13-0153	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,308.52	95.90
32 33 43 13-0154	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,337.51	95.90
32 33 43 13-0155	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,598.48	95.90
32 33 43 13-0156	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,024.84	95.90
32 33 43 13-0157	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,284.87	95.90
32 33 43 13-0158	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	869.22	71.93
32 33 43 13-0159	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	937.65	71.93
32 33 43 13-0160	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,016.37	83.92
32 33 43 13-0161	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,180.60	83.92
32 33 43 13-0162	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,084.80	83.92
32 33 43 13-0163	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,153.23	83.92
32 33 43 13-0164	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,245.64	95.90
32 33 43 13-0165	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,423.56	95.90
32 33 43 13-0166	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,207.97	83.92
32 33 43 13-0167	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,300.39	95.90
32 33 43 13-0168	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,368.82	95.90
32 33 43 13-0169	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,546.74	95.90
32 33 43 13-0170	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,441.90	95.90
32 33 43 13-0171	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	2,801.45	95.90
32 33 43 13-0172	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,578.98	95.90
32 33 43 13-0173	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	1,899.09	95.90
32 33 43 13-0174	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,059.15	95.90
32 33 43 13-0175	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,006.96	95.90
32 33 43 13-0176	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,221.53	95.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0177	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,453.50	95.90
32 33 43 13-0178	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,668.07	95.90
32 33 43 13-0179	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	2,888.44	95.90
32 33 43 13-0180	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,546.29	95.90
32 33 43 13-0181	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,760.86	95.90
32 33 43 13-0182	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,114.61	95.90
32 33 43 13-0183	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,340.78	95.90
32 33 43 13-0184	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,549.55	95.90
32 33 43 13-0185	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	581.49	23.98
32 33 43 13-0186	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	778.66	23.98
32 33 43 13-0187	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	778.66	23.98
32 33 43 13-0188	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	709.07	23.98
32 33 43 13-0189	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	877.25	23.98
32 33 43 13-0190	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	877.25	23.98
32 33 43 13-0191	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	877.25	23.98
32 33 43 13-0192	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	181.34	23.98
32 33 43 13-0193	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	813.45	23.98
32 33 43 13-0194	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	900.44	23.98
32 33 43 13-0195	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	987.43	23.98
32 33 43 13-0196	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	981.63	23.98
32 33 43 13-0197	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,068.62	23.98
32 33 43 13-0198	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,155.61	23.98
32 33 43 13-0199	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	970.03	23.98
32 33 43 13-0200	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,057.02	23.98
32 33 43 13-0201	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,144.01	23.98
32 33 43 13-0202	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,184.60	23.98
32 33 43 13-0203	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,271.59	23.98
32 33 43 13-0204	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,358.58	23.98
32 33 43 13-0205	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,184.60	23.98
32 33 43 13-0206	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,271.59	23.98
32 33 43 13-0207	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,358.58	23.98
32 33 43 13-0208	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,641.61	95.90
32 33 43 13-0209	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,664.81	95.90
32 33 43 13-0210	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,018.56	95.90
32 33 43 13-0211	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,441.90	95.90
32 33 43 13-0212	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	2,876.84	95.90
32 33 43 13-0213	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,288.58	95.90
32 33 43 13-0214	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,328.45	95.90
32 33 43 13-0215	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,757.59	95.90
32 33 43 13-0216	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,798.19	95.90
32 33 43 13-0217	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,064.95	95.90
32 33 43 13-0218	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,325.92	95.90
32 33 43 13-0219	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,598.48	95.90
32 33 43 13-0220	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	2,865.24	95.90
32 33 43 13-0221	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,325.92	95.90
32 33 43 13-0222	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	2,807.25	95.90
32 33 43 13-0223	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,276.98	95.90
32 33 43 13-0224	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,549.55	95.90
32 33 43 13-0225	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,129.47	95.90
32 33 43 13-0226	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,396.23	95.90
32 33 43 13-0227	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	4,657.19	95.90
32 33 43 13-0228	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,124.70	83.92
32 33 43 13-0229	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,350.87	83.92
32 33 43 13-0230	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,472.65	83.92
32 33 43 13-0231	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,722.80	95.90
32 33 43 13-0232	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	1,948.97	95.90

32 33 43 13-0233 Benches (RecycleDesign) *(32 33 43 13)*

32 33 43 13-0234	EA	Victoria Seat, 60" (RecycleDesign 9875)	2,241.97	44.79
32 33 43 13-0235	EA	Victoria Seat, 72"; 9876	2,321.91	44.79
32 33 43 13-0236	EA	Victorian Bench, 60"; 9870	1,743.89	44.79
32 33 43 13-0237	EA	Victorian Bench, 72"; 9871	1,811.53	44.79
32 33 43 13-0238	EA	City Seat, 60"; 9860	1,670.10	44.79
32 33 43 13-0239	EA	City Seat, 96"; 9861	2,303.46	44.79
32 33 43 13-0240	EA	City Seat, 60" Armless; 9862	1,381.08	44.79
32 33 43 13-0241	EA	City Seat, 72" Armless; 9863	2,002.15	44.79
32 33 43 13-0242	EA	Balance Seat, 60" Surface Mount; 9825	2,069.79	44.79
32 33 43 13-0243	EA	Balance Seat, 60" Sub-Surface Mount; 9825	2,307.13	89.67
32 33 43 13-0244	EA	Balance Seat, 96" Surface Mount; 9827	2,992.17	44.79
32 33 43 13-0245	EA	Balance Seat, 96" Sub-Surface Mount; 9827	3,137.28	89.67
32 33 43 13-0246	EA	Balance Bench, 60" Surface Mount; 9820	1,178.16	44.79
32 33 43 13-0247	EA	Balance Bench, 72" Surface Mount; 9821	1,473.32	44.79
32 33 43 13-0248	EA	Balance Bench, 96" Surface Mount; 9822	1,688.54	44.79
32 33 43 13-0249	EA	Infinity Seat, 60", Y-Base; 9810	2,131.29	44.79
32 33 43 13-0250	EA	Infinity Seat, 60", X-Base; 9810	2,174.33	44.79
32 33 43 13-0251	EA	Infinity Seat, 60", Concrete Ovals/Pier; 9810	2,241.97	44.79
32 33 43 13-0252	EA	Infinity Seat, 72", Y-base; 9811	2,303.46	44.79
32 33 43 13-0253	EA	Infinity Seat, 72", X-base; 9811	2,346.51	44.79
32 33 43 13-0254	EA	Infinity Seat, 72", Concrete Ovals/Pier; 9811	2,457.19	44.79
32 33 43 13-0255	EA	Infinity Seat, 60" (Armless), Y-Base; 9812	2,162.03	44.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0256	EA	Infinity Seat, 60" (Armless), X-Base; 9812	2,205.08	44.79
32 33 43 13-0257	EA	Infinity Seat, 60" (Armless), Concrete Ovals/Pier; 9812	2,272.72	44.79
32 33 43 13-0258	EA	Infinity Seat, 72" (Armless), Y-Base; 9813	2,334.21	44.79
32 33 43 13-0259	EA	Infinity Seat, 72" (Armless), X-Base; 9813	2,377.25	44.79
32 33 43 13-0260	EA	Infinity Seat, 72" (Armless), Concrete Ovals/Pier; 9813	2,487.94	44.79
32 33 43 13-0261	EA	Infinity Bench, 60", Y-Base; 9801	1,811.53	44.79
32 33 43 13-0262	EA	Infinity Bench, 60", X-Base; 9801	1,854.57	44.79
32 33 43 13-0263	EA	Infinity Bench, 60", Concrete Ovals/Pier; 9801	1,934.51	44.79
32 33 43 13-0264	EA	Infinity Bench, 72", Y-Base; 9802	1,934.51	44.79
32 33 43 13-0265	EA	Infinity Bench, 72", X-Base; 9802	1,977.56	44.79
32 33 43 13-0266	EA	Infinity Bench, 72", Concrete Ovals/Pier; 9802	2,075.94	44.79
32 33 43 13-0267	EA	Park Flat Bench, 60", Embedded; 9841	985.06	89.67
32 33 43 13-0268	EA	Park Flat Bench, 60", Surface Mounted; 9841	993.68	44.79
32 33 43 13-0269	EA	Park Flat Bench, 96", Embedded; 9842	1,341.71	89.67
32 33 43 13-0270	EA	Park Flat Bench, 96", Surface Mounted; 9842	1,374.93	44.79
32 33 43 13-0271	EA	Park Contour Bench, 60", Surface Mounted; 9843	1,061.32	44.79
32 33 43 13-0272	EA	Park Contour Bench, 96", Embedded; 9844	1,464.69	89.67
32 33 43 13-0273	EA	Park Contour Bench, 96", Surface Mount; 9844	1,504.07	44.79
32 33 43 13-0274	EA	Park Contour Seat, 60", Embedded; 9845	1,649.17	89.67
32 33 43 13-0275	EA	Park Contour Seat, 60", Surface Mount; 9845	1,627.05	44.79
32 33 43 13-0276	EA	Park Contour Seat, 96", Embedded; 9846	2,202.60	89.67
32 33 43 13-0277	EA	Park Contour Seat, 96", Surface Mount; 9846	2,297.31	44.79
32 33 43 13-0278	EA	Park Contour Seat, 60" (Armless), Embedded; 9847	1,587.68	89.67
32 33 43 13-0279	EA	Park Contour Seat, 60" (Armless), Surface Mount; 9847	1,584.01	44.79
32 33 43 13-0280	EA	Park Contour Seat, 96" (Armless), Embedded; 9848	2,122.66	89.67
32 33 43 13-0281	EA	Park Contour Seat, 96" (Armless), Surface Mount; 9848	2,162.03	44.79
32 33 43 13-0282	EA	Park Teardrop Bench, 72", Embedded; 9881	1,089.59	89.67
32 33 43 13-0283	EA	Park Teardrop Bench, 72", Surface Mount; 9881	1,073.62	44.79
32 33 43 13-0284	EA	Park Teardrop Seat, 72", Embedded; 9885	1,741.41	89.67
32 33 43 13-0285	EA	Park Teardrop Seat, 72", Surface Mount; 9885	1,756.18	44.79
32 33 43 13-0286	EA	Park Teardrop Seat, 72" (Armless), Embedded; 9887	1,661.47	89.67
32 33 43 13-0287	EA	Park Teardrop Seat, 72" (Armless), Surface Mount, 9887	1,663.95	44.79
32 33 43 13-0288		Benches/Seats (Smith And Hawken) *(32 33 43 13)*		
32 33 43 13-0289	EA	Bistro Armchair (Smith And Hawken K392316)	623.53	11.22
32 33 43 13-0290	EA	Bistro Chair (Smith And Hawken K4358)	469.80	11.22
32 33 43 13-0291	EA	Dolce Armchair (Smith And Hawken K512012)	269.95	11.22
32 33 43 13-0292	EA	Dolce Armchair Set Of 2 (Smith And Hawken K505933)	509.15	22.44
32 33 43 13-0293	EA	Dolce Armchair (Smith And Hawken K606103)	269.95	11.22
32 33 43 13-0294	EA	Dolce Armchair Set Of 2 (Smith And Hawken K617381)	509.15	22.44
32 33 43 13-0295	EA	Dolce Armchair (Smith And Hawken K606111)	269.95	11.22
32 33 43 13-0296	EA	Dolce Armchair Set Of 2 (Smith And Hawken K617415)	509.15	22.44
32 33 43 13-0297	EA	Dolce Bar Chair (Smith And Hawken K658641)	377.56	11.22
32 33 43 13-0298	EA	Parisian Park Duraflon Armchair Set Of 2 (Smith And Hawken K659649)	647.51	22.44
32 33 43 13-0299	EA	Parisian Park Duraflon Chair Set Of 2 (Smith And Hawken K659136)	386.17	22.44
32 33 43 13-0300	EA	Parisian Park Wood Armchair Set Of 2 (Smith And Hawken K354613)	693.63	22.44
32 33 43 13-0301	EA	Parisian Park Wood Chair Set Of 2 (Smith And Hawken K354605)	386.17	22.44
32 33 43 13-0302	EA	Parisian Park Wood Armchair Set Of 2 (Smith And Hawken K4144)	601.39	22.44
32 33 43 13-0303	EA	Parisian Park Wood Chair Set Of 2 (Smith And Hawken K4150)	324.67	22.44
32 33 43 13-0304	EA	Piazza Armchair (Smith And Hawken K547034)	346.81	11.22
32 33 43 13-0305	EA	Piazza Armchair Set Of 2 (Smith And Hawken K566786)	662.88	22.44
32 33 43 13-0306	EA	Piazza Armchair (Smith And Hawken K661819)	346.81	11.22
32 33 43 13-0307	EA	Piazza Armchair Set Of 2 (Smith And Hawken K661850)	662.88	22.44
32 33 43 13-0308	EA	Sienna Folding Armchair (Smith And Hawken K529453)	508.04	8.92
32 33 43 13-0309	EA	Sienna Folding Chair (Smith And Hawken K503292)	415.80	8.92
32 33 43 13-0310	EA	Star And Dolphin Armchair (Smith And Hawken K659375)	761.88	11.22
32 33 43 13-0311	EA	Strada Armchair (Smith And Hawken K606038)	269.95	11.22
32 33 43 13-0312	EA	Strada Armchair Set Of 2 (Smith And Hawken K617423)	509.15	22.44
32 33 43 13-0313	EA	Toscano Armchair (Smith And Hawken K503318)	269.95	11.22
32 33 43 13-0314	EA	Toscano Armchair Set Of 2 (Smith And Hawken K512053)	509.15	22.44
32 33 43 13-0315	EA	Toscano Armchair (Smith And Hawken K607945)	269.95	11.22
32 33 43 13-0316	EA	Toscano Armchair Set Of 2 (Smith And Hawken K617449)	509.15	22.44
32 33 43 13-0317	EA	Toscano Armchair (Smith And Hawken K547018)	269.95	11.22
32 33 43 13-0318	EA	Toscano Armchair Set Of 2 (Smith And Hawken K566778)	509.15	22.44
32 33 43 13-0319	EA	Avignon Armchair (Smith And Hawken K614412)	1,207.70	11.22
32 33 43 13-0320	EA	Avignon Chair (Smith And Hawken K614404)	1,007.85	11.22
32 33 43 13-0321	EA	Bilbao Armchair (Smith And Hawken K603464)	1,084.72	11.22
32 33 43 13-0322	EA	Bilbao Chair (Smith And Hawken K603456)	884.87	11.22
32 33 43 13-0323	EA	Devon Armchair (Smith And Hawken K5559)	1,084.72	11.22
32 33 43 13-0324	EA	Devon Chair (Smith And Hawken K5557)	884.87	11.22
32 33 43 13-0325	EA	Palisades Armchair (Smith And Hawken K547067)	1,176.96	11.22
32 33 43 13-0326	EA	Palisades Chair (Smith And Hawken K547059)	1,053.97	11.22
32 33 43 13-0327	EA	Redding Armchair (Smith And Hawken K455774)	1,084.72	11.22
32 33 43 13-0328	EA	Tea Chair (Smith And Hawken K5988)	808.00	11.22
32 33 43 13-0329	EA	Avignon Bench (Smith And Hawken K657544)	1,668.89	11.22
32 33 43 13-0330	EA	Belvedere Bench (Smith And Hawken K5806)	1,499.79	11.22
32 33 43 13-0331	EA	Belvedere Bench (Smith And Hawken K5807)	1,991.72	11.22
32 33 43 13-0332	EA	Berkshire Armchair (Smith And Hawken K5435)	1,330.68	11.22
32 33 43 13-0333	EA	Berkshire Bench (Smith And Hawken K5430)	1,715.01	11.22
32 33 43 13-0334	EA	Berkshire Bench (Smith And Hawken K5431)	2,022.47	11.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0335	EA	Berkshire Bench (Smith And Hawken K5432)	2,406.80	11.22
32 33 43 13-0336	EA	Bilbao Bench (Smith And Hawken K603472)	1,853.37	11.22
32 33 43 13-0337	EA	Chadwick Bench (Smith And Hawken K5810)	3,790.36	11.22
32 33 43 13-0338	EA	Cottage Garden Bench (Smith And Hawken K5803)	1,515.16	11.22
32 33 43 13-0339	EA	Cottage Garden Bench (Smith And Hawken K549097)	1,822.62	11.22
32 33 43 13-0340	EA	Courting Swing (Smith And Hawken K5816)	1,945.60	11.22
32 33 43 13-0341	EA	Giverny Armchair (Smith And Hawken K5281)	1,484.42	11.22
32 33 43 13-0342	EA	Giverny Bench (Smith And Hawken K5285)	1,592.03	11.22
32 33 43 13-0343	EA	Giverny Bench (Smith And Hawken K5280)	2,283.81	11.22
32 33 43 13-0344	EA	Giverny Bench (Smith And Hawken K5547)	2,775.75	11.22
32 33 43 13-0345	EA	Giverny Bench (Smith And Hawken K570630)	4,251.56	11.22
32 33 43 13-0346	EA	Gloucester Bench (Smith And Hawken K496919)	3,206.19	11.22
32 33 43 13-0347	EA	Gloucester Bench (Smith And Hawken K496927)	3,698.13	11.22
32 33 43 13-0348	EA	Gloucester Bench (Smith And Hawken K496935)	4,866.48	11.22
32 33 43 13-0349	EA	Inverness Bench (Smith And Hawken K5917)	1,007.85	11.22
32 33 43 13-0350	EA	Lutyens Bench (Smith And Hawken K654053)	2,944.85	11.22
32 33 43 13-0351	EA	Lutyens Bench (Smith And Hawken K496943)	5,481.40	11.22
32 33 43 13-0352	EA	Mariposa Armchair (Smith And Hawken K5940)	1,715.01	11.22
32 33 43 13-0353	EA	Mariposa Bench (Smith And Hawken K5939)	2,514.41	11.22
32 33 43 13-0354	EA	Pemberton Armchair (Smith And Hawken K5468)	977.11	11.22
32 33 43 13-0355	EA	Pemberton Bench (Smith And Hawken K5466)	1,176.96	11.22
32 33 43 13-0356	EA	Pemberton Bench (Smith And Hawken K5467)	1,515.16	11.22
32 33 43 13-0357	EA	Star And Dolphin Bench (Smith And Hawken K659334)	2,022.47	11.22
32 33 43 13-0358	EA	Tree Bench (Smith And Hawken K617373)	5,466.02	11.22
32 33 43 13-0359	EA	University Bench (Smith And Hawken K5416)	9,232.41	11.22
32 33 43 13-0360	EA	Windsor Armchair (Smith And Hawken K5802)	1,715.01	11.22
32 33 43 13-0361	EA	Windsor Bench (Smith And Hawken K5800)	2,514.41	11.22
32 33 43 13-0362	EA	Teak And Rattan Rocker (Smith And Hawken K610790)	1,035.52	11.22
32 33 43 13-0363	EA	Teak Glider (Smith And Hawken K429399)	1,699.64	11.22
32 33 43 13-0364	EA	Teak Gliding Armchair (Smith And Hawken K657551)	1,330.68	11.22
32 33 43 13-0365	EA	Bench Anchor/Set Of Four (Smith And Hawken K460253)	120.28	4.50
32 33 43 13-0366	EA	Brass Furniture Plaque (Smith And Hawken K5470)	129.50	4.50
32 33 43 13-0367		**Benches (Wabash Valley)** *(32 33 43 13)*		
32 33 43 13-0368		**Prestige/Profile Benches** *(32 33 43 13-0367)*		
32 33 43 13-0369	EA	6' Bench With Arms, Inground, Diamond Site Furniture (Wabash Valley PP411D)	1,285.27	44.79
32 33 43 13-0370	EA	6' Bench With Arms, Inground, Perforated Site Furniture (Wabash Valley PP411P)	1,423.02	44.79
32 33 43 13-0371		**Straight Benches** *(32 33 43 13-0367)*		
32 33 43 13-0372	EA	6' Signature Standard Inground Bench With Back (Wabash Valley SG303P)	1,035.08	67.13
32 33 43 13-0373	EA	6' Signature Standard Surface Mount Bench With Back (Wabash Valley SG306P)	1,051.19	67.13
32 33 43 13-0374	EA	8' Signature Standard Inground Bench With Back (Wabash Valley SG315P)	1,129.06	67.13
32 33 43 13-0375	EA	8' Signature Standard Inground Bench Without Back (Wabash Valley SG316P)	745.10	67.13
32 33 43 13-0376	EA	8' Signature Standard Surface Mount Bench With Back (Wabash Valley SG318P)	1,129.06	67.13
32 33 43 13-0377	EA	8' Signature Standard Surface Mount Bench Without Back (Wabash Valley SG319P)	745.10	67.13
32 33 43 13-0378	EA	Shelter With 6' Bench (Wabash Valley SH305P)	7,379.34	86.31
32 33 43 13-0379	EA	2-Seat With Back, Portable (Wabash Valley CL310)	1,529.09	44.79
32 33 43 13-0380	EA	2-Seat With Back, Surface Mount (Wabash Valley CL311D)	1,467.28	67.23
32 33 43 13-0381	EA	2-Seat With Back, Inground (Wabash Valley CL312D)	1,621.87	89.67
32 33 43 13-0382	EA	2-Seat Without Back, Portable (Wabash Valley CL315D)	1,315.84	44.79
32 33 43 13-0383	EA	2-Seat Without Back, Surface Mount (Wabash Valley CL316D)	1,254.03	67.23
32 33 43 13-0384	EA	2-Seat Without Back, Inground (Wabash Valley CL317D)	1,377.25	89.67
32 33 43 13-0385	EA	3-Seat With Back, Portable (Wabash Valley CL320D)	2,215.90	44.79
32 33 43 13-0386	EA	3-Seat With Back, Surface Mount (Wabash Valley CL321D)	2,176.04	67.23
32 33 43 13-0387	EA	3-Seat With Back, Inground (Wabash Valley CL322D)	2,289.86	89.67
32 33 43 13-0388	EA	3-Seat Without Back, Portable (Wabash Valley CL325D)	1,833.30	44.79
32 33 43 13-0389	EA	3-Seat Without Back, Surface Mount (Wabash Valley CL326D)	1,793.43	67.23
32 33 43 13-0390	EA	3-Seat Without Back, Inground (Wabash Valley CL327D)	1,910.39	89.67
32 33 43 13-0391		**Concave Benches** *(32 33 43 13-0367)*		
32 33 43 13-0392	EA	Benches, 15 Deg Concave With Back, Portable, CL405D	2,103.00	44.79
32 33 43 13-0393	EA	Benches, 15 Deg Concave With Back, Surface Mount, CL406D	2,050.59	67.23
32 33 43 13-0394	EA	Benches, 15 Deg Concave With Back, Inground, CL407D	2,167.55	89.67
32 33 43 13-0395	EA	Benches, 15 Deg Concave Without Back, Portable, CL415D	2,055.96	44.79
32 33 43 13-0396	EA	Benches, 15 Deg Concave Without Back, Surface Mount, CL416D	2,003.55	67.23
32 33 43 13-0397	EA	Benches, 15 Deg Concave Without Back, Inground, CL417D	2,120.51	89.67
32 33 43 13-0398		**Camden Series Benches** *(32 33 43 13-0367)*		
32 33 43 13-0399	EA	6' Bench, With Back, Square Perforation, Portable/Surface Mount, CA1112C	1,555.93	67.13
32 33 43 13-0400	EA	6' Bench, With Back, Square Perforation, Inground, CA1111I	1,590.95	89.67
32 33 43 13-0401	EA	6' Bench, With Back, With Arms, Faux-Wood, Portable/Surface Mount, CA1112C	1,732.71	67.13
32 33 43 13-0402	EA	6' Bench, With Back, With Arms, Faux-Wood, Inground, CA1112I	1,772.04	89.67
32 33 43 13-0403	EA	6' Bench, With Back, With Arms, Rod, Portable/Surface Mount, CA1114C	1,943.98	67.13
32 33 43 13-0404	EA	6' Bench, With Back, With Arms, Rod, Inground, CA1114I	1,983.31	89.67
32 33 43 13-0405	EA	6' Bench, With Back, With Arms, Round Perforation, Portable/Surface Mount, CA1116C	1,532.22	67.13
32 33 43 13-0406	EA	6' Bench, With Back, With Arms, Round Perforation, Inground, CA1116I	1,569.39	89.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0407	EA	6' Bench, With Back, With Arms, Horizontal Slat, Portable/Surface Mount, CA1119C	1,747.80	67.13
32 33 43 13-0408	EA	6' Bench, With Back, With Arms, Horizontal Slat, Inground, CA1116I	1,784.97	89.67
32 33 43 13-0409		**Swings** *(32 33 43 13-0367)*		
32 33 43 13-0410	EA	4' Swing With Chain (Perforated Or Rib) SP300P	1,610.23	38.37
32 33 43 13-0411	EA	6' Swing With Chain (Perforated Or Rib) SP305P	1,886.79	38.37
32 33 43 13-0412	EA	Round Inground Post Package SP310N	777.14	89.67
32 33 43 13-0413	EA	4' Square Inground Post Package SP315N	1,718.81	115.09
32 33 43 13-0414	EA	6' Square Inground Post Package SP320N	1,863.80	115.09
32 33 43 13-0415		**Accessories** *(32 33 43 13-0367)*		
32 33 43 13-0416	EA	Mounting Plate Covers (Set Of 2), MC102N	67.70	6.71
32 33 43 13-0417	EA	Mounting Plate Covers (Set Of 3), MC103N	97.58	8.92
32 33 43 13-0418	EA	Mounting Plate Covers (Set Of 4), MC104	113.84	8.92
32 33 43 13-0419		**Miscellaneous** *(32 33 43 13-0367)*		
32 33 43 13-0420	EA	6' Swing With Chain, Ribbed Or Perforated (Wabash SP305)	1,725.26	38.37
32 33 43 13-0421	EA	Round Post Package, In Ground (Wabash SP310)	725.10	89.67
32 33 43 13-0422	EA	6' Square Post Package, In Ground (Wabash SP320)	1,616.93	89.67
32 33 43 13-0423	EA	Square Mounting Plate Covers (Set Of 2) (Wabash QC302)	82.21	4.80
32 33 43 13-0424	EA	Round Mounting Plate Covers (Set Of 2) (Wabash MC102)	61.78	4.80
32 33 43 13-0425	EA	4' Bench, In Ground, Ribbed Or Perforated, Contour Prestige (Wabash PP401)	1,050.59	67.13
32 33 43 13-0426	EA	Single Seat With Back, Ribbed, In Ground, City Limits Straight Bench (Wabash CL301)	829.19	67.23
32 33 43 13-0427	EA	Single Seat With Back, Perforated, In Ground, City Limits Straight Bench (Wabash CL301)	786.07	67.23
32 33 43 13-0428	EA	Single Seat Without Back, Ribbed, In Ground, City Limits Straight Bench (Wabash CL306)	786.07	67.23
32 33 43 13-0429	EA	Single Seat Without Back, Perforated, In Ground, City Limits Straight Bench (Wabash CL306)	747.49	67.23
32 33 43 13-0430	EA	Three Seat With Back, Ribbed, In Ground, City Limits Straight Bench (Wabash CL301)	2,222.83	89.67
32 33 43 13-0431	EA	Three Seat With Back, Perforated, In Ground, City Limits Straight Bench (Wabash CL301)	2,091.21	89.67
32 33 43 13-0432	EA	Three Seat Without Back, Ribbed, In Ground, City Limits Straight Bench (Wabash CL306)	2,091.21	89.67
32 33 43 13-0433	EA	Three Seat Without Back, Perforated, In Ground, City Limits Straight Bench (Wabash CL306)	1,961.86	89.67
32 33 43 13-0434	EA	15 Degree Single Seat With Back, Ribbed, In Ground, City Limits Concave/Convex Bench (Wabash CL401)	761.11	67.23
32 33 43 13-0435	EA	15 Degree Single Seat With Back, Perforated, In Ground, City Limits Concave/Convex Bench (Wabash CL401)	749.76	67.23
32 33 43 13-0436	EA	15 Degree Three Seat With Back, Ribbed, In Ground, City Limits Concave/Convex Bench (Wabash CL407)	2,084.41	89.67
32 33 43 13-0437	EA	15 Degree Three Seat With Back, Perforated, In Ground, City Limits Concave/Convex Bench (Wabash CL407)	2,057.17	89.67
32 33 43 13-0438	EA	15 Degree Single Seat Without Back, Ribbed, In Ground, City Limits Concave/Convex Bench (Wabash CL411/CL501)	745.22	67.23
32 33 43 13-0439	EA	15 Degree Single Seat Without Back, Perforated, In Ground, City Limits Concave/Convex Bench (Wabash CL411/CL501)	736.15	67.23
32 33 43 13-0440	EA	15 Degree Three Seat Without Back, Ribbed, In Ground, City Limits Concave/Convex Bench (Wabash CL417/CL507)	2,034.48	89.67
32 33 43 13-0441	EA	15 Degree Three Seat Without Back, Perforated, In Ground, City Limits Concave/Convex Bench (Wabash CL417/CL507)	2,011.79	89.67
32 33 43 13-0442	EA	Arm Package With Back (Set Of 2) (Wabash AP102)	178.29	11.03
32 33 43 13-0443	EA	Arm Package With Back (Set Of 4) (Wabash AP104)	349.78	22.06
32 33 43 13-0444	EA	Arm Package Without Back (Set Of 2) (Wabash AP202)	155.60	11.03
32 33 43 13-0445	EA	Arm Package Without Back (Set Of 4) (Wabash AP204)	297.58	22.06
32 33 43 13-0446	EA	4' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES500)	1,821.17	89.67
32 33 43 13-0447	EA	4' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES505)	1,516.79	67.13
32 33 43 13-0448	EA	6' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES520)	2,132.06	89.67
32 33 43 13-0449	EA	6' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES525)	1,825.41	67.13
32 33 43 13-0450	EA	8' Bench With Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES527)	2,992.13	89.67
32 33 43 13-0451	EA	8' Bench Without Back, Surface Mounted, Ribbed Or Perforated, Estate (Wabash ES528)	2,526.62	67.13
32 33 43 13-0452	EA	Center Armrest, Estate (Wabash ES530)	150.80	8.82
32 33 43 13-0453		**Benches, Concrete (Quick Crete)** *(32 33 43 13)*		
32 33 43 13-0454	EA	84" Long, Concrete Park Bench With Back (Quick Crete Q1PS84B)	2,553.34	119.88
32 33 43 53		**Site Tables** *(32 33 43)*		
32 33 43 53-0001		**Tables** *(32 33 43 53)*		
32 33 43 53-0002		**Tables (Columbia Cascade Co. - TimberForm)** *(32 33 43 53-0001)*		
32 33 43 53-0003	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	5,005.40	112.02
32 33 43 53-0004	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	6,112.26	112.02
32 33 43 53-0005	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,221.38	112.02
32 33 43 53-0006	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,266.74	112.02
32 33 43 53-0007	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,807.06	112.02
32 33 43 53-0008	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	3,053.03	112.02
32 33 43 53-0009	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,391.99	112.02
32 33 43 53-0010	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,607.21	112.02
32 33 43 53-0011	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,129.89	112.02
32 33 43 53-0012	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,345.12	112.02
32 33 43 53-0013	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	5,066.89	112.02
32 33 43 53-0014	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,776.31	112.02
32 33 43 53-0015	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,991.54	112.02
32 33 43 53-0016	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,713.31	112.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0017	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,452.73	112.02
32 33 43 53-0018	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,698.69	112.02
32 33 43 53-0019	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	4,036.90	112.02
32 33 43 53-0020	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,282.87	112.02
32 33 43 53-0021	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	5,066.89	112.02
32 33 43 53-0022	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,312.86	112.02
32 33 43 53-0023	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	5,066.89	112.02
32 33 43 53-0024	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,312.86	112.02
32 33 43 53-0025	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,187.38	44.79
32 33 43 53-0026	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,587.08	44.79
32 33 43 53-0027	EA	Gameboard (Columbia Cascade Co. 2095)	340.05	22.44
32 33 43 53-0028	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,452.73	112.02
32 33 43 53-0029	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,944.66	112.02
32 33 43 53-0030	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,698.69	112.02
32 33 43 53-0031	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,190.63	112.02
32 33 43 53-0032	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,837.05	112.02
32 33 43 53-0033	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,328.99	112.02
32 33 43 53-0034	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	4,083.02	112.02
32 33 43 53-0035	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,574.96	112.02
32 33 43 53-0036	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,247.36	44.79
32 33 43 53-0037	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,647.06	44.79
32 33 43 53-0038	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,631.69	44.79
32 33 43 53-0039	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	4,031.39	44.79
32 33 43 53-0040	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	8,172.24	112.02
32 33 43 53-0041	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	9,033.13	112.02
32 33 43 53-0042	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	8,172.24	112.02
32 33 43 53-0043	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	9,033.13	112.02
32 33 43 53-0044	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	2,007.67	112.02
32 33 43 53-0045	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,207.51	112.02
32 33 43 53-0046	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,407.36	112.02
32 33 43 53-0047	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,146.02	112.02
32 33 43 53-0048	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,345.87	112.02
32 33 43 53-0049	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,545.72	112.02
32 33 43 53-0050	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,961.55	112.02
32 33 43 53-0051	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,099.90	112.02
32 33 43 53-0052	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,238.26	112.02
32 33 43 53-0053	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,099.90	112.02
32 33 43 53-0054	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,238.26	112.02
32 33 43 53-0055	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,376.62	112.02
32 33 43 53-0056	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,900.05	112.02
32 33 43 53-0057	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,099.90	112.02
32 33 43 53-0058	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,299.75	112.02
32 33 43 53-0059	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,900.05	112.02
32 33 43 53-0060	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,099.90	112.02
32 33 43 53-0061	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,299.75	112.02
32 33 43 53-0062	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,900.05	112.02
32 33 43 53-0063	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,099.90	112.02
32 33 43 53-0064	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,299.75	112.02
32 33 43 53-0065	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,807.82	112.02
32 33 43 53-0066	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,946.17	112.02
32 33 43 53-0067	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,084.53	112.02
32 33 43 53-0068	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,807.82	112.02
32 33 43 53-0069	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,946.17	112.02
32 33 43 53-0070	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,084.53	112.02
32 33 43 53-0071	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,807.82	112.02
32 33 43 53-0072	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,946.17	112.02
32 33 43 53-0073	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,084.53	112.02
32 33 43 53-0074	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,730.95	112.02
32 33 43 53-0075	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,930.80	112.02
32 33 43 53-0076	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,130.65	112.02
32 33 43 53-0077	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,869.31	112.02
32 33 43 53-0078	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,069.16	112.02
32 33 43 53-0079	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,269.01	112.02
32 33 43 53-0080	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,607.97	112.02
32 33 43 53-0081	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,730.95	112.02
32 33 43 53-0082	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,869.31	112.02
32 33 43 53-0083	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,730.95	112.02
32 33 43 53-0084	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,869.31	112.02
32 33 43 53-0085	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	2,007.67	112.02
32 33 43 53-0086	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,823.19	112.02
32 33 43 53-0087	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	2,023.04	112.02
32 33 43 53-0088	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,222.89	112.02
32 33 43 53-0089	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,823.19	112.02
32 33 43 53-0090	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	2,023.04	112.02
32 33 43 53-0091	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,222.89	112.02
32 33 43 53-0092	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,823.19	112.02
32 33 43 53-0093	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	2,023.04	112.02
32 33 43 53-0094	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,222.89	112.02
32 33 43 53-0095	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,715.58	112.02
32 33 43 53-0096	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,853.93	112.02
32 33 43 53-0097	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,992.29	112.02

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32 33 43 53-0098	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,715.58	112.02
32 33 43 53-0099	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,853.93	112.02
32 33 43 53-0100	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,992.29	112.02
32 33 43 53-0101	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,715.58	112.02
32 33 43 53-0102	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,853.93	112.02
32 33 43 53-0103	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,992.29	112.02
32 33 43 53-0104	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,607.97	112.02
32 33 43 53-0105	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,669.46	112.02
32 33 43 53-0106	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,730.95	112.02
32 33 43 53-0107	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,746.32	112.02
32 33 43 53-0108	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,807.82	112.02
32 33 43 53-0109	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,869.31	112.02
32 33 43 53-0110	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,592.59	112.02
32 33 43 53-0111	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,638.71	112.02
32 33 43 53-0112	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,684.83	112.02
32 33 43 53-0113	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,730.95	112.02
32 33 43 53-0114	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,777.07	112.02
32 33 43 53-0115	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,823.19	112.02
32 33 43 53-0116	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,638.71	112.02
32 33 43 53-0117	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,700.21	112.02
32 33 43 53-0118	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,761.70	112.02
32 33 43 53-0119	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,638.71	112.02
32 33 43 53-0120	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,700.21	112.02
32 33 43 53-0121	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,761.70	112.02
32 33 43 53-0122	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,638.71	112.02
32 33 43 53-0123	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,700.21	112.02
32 33 43 53-0124	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,761.70	112.02
32 33 43 53-0125	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,638.71	112.02
32 33 43 53-0126	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,684.83	112.02
32 33 43 53-0127	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,730.95	112.02
32 33 43 53-0128	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,638.71	112.02
32 33 43 53-0129	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,684.83	112.02
32 33 43 53-0130	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,730.95	112.02
32 33 43 53-0131	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,638.71	112.02
32 33 43 53-0132	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,684.83	112.02
32 33 43 53-0133	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,730.95	112.02
32 33 43 53-0134	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,669.46	112.02
32 33 43 53-0135	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,730.95	112.02
32 33 43 53-0136	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,792.44	112.02
32 33 43 53-0137	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,807.82	112.02
32 33 43 53-0138	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,869.31	112.02
32 33 43 53-0139	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,930.80	112.02
32 33 43 53-0140	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,777.07	112.02
32 33 43 53-0141	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,823.19	112.02
32 33 43 53-0142	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,869.31	112.02
32 33 43 53-0143	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,915.43	112.02
32 33 43 53-0144	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,961.55	112.02
32 33 43 53-0145	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	2,007.67	112.02
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,746.32	112.02
32 33 43 53-0147	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,807.82	112.02
32 33 43 53-0148	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,869.31	112.02
32 33 43 53-0149	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,746.32	112.02
32 33 43 53-0150	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,807.82	112.02
32 33 43 53-0151	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,869.31	112.02
32 33 43 53-0152	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,746.32	112.02
32 33 43 53-0153	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,807.82	112.02
32 33 43 53-0154	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,869.31	112.02
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,853.93	112.02
32 33 43 53-0156	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,900.05	112.02
32 33 43 53-0157	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,946.17	112.02
32 33 43 53-0158	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,853.93	112.02
32 33 43 53-0159	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,900.05	112.02
32 33 43 53-0160	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,946.17	112.02
32 33 43 53-0161	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,853.93	112.02
32 33 43 53-0162	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,900.05	112.02
32 33 43 53-0163	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,946.17	112.02
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,408.12	112.02
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,454.24	112.02
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,500.36	112.02
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,546.47	112.02
32 33 43 53-0168	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,592.59	112.02
32 33 43 53-0169	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,638.71	112.02
32 33 43 53-0170	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,669.46	112.02
32 33 43 53-0171	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,730.95	112.02
32 33 43 53-0172	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,792.44	112.02
32 33 43 53-0173	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,500.36	112.02
32 33 43 53-0174	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,561.85	112.02
32 33 43 53-0175	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,623.34	112.02
32 33 43 53-0176	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,377.37	112.02
32 33 43 53-0177	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,423.49	112.02
32 33 43 53-0178	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,469.61	112.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0179	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,515.73	112.02
32 33 43 53-0180	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,561.85	112.02
32 33 43 53-0181	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,607.97	112.02
32 33 43 53-0182		**Tables (DuMor, Inc.)** *(32 33 43 53-0001)*		
32 33 43 53-0183	EA	Plastic Game Table With 4 Seats (DuMor 78-34PL)	2,684.58	44.79
32 33 43 53-0184	EA	2 Seat 4' Square Plastic Table (DuMor 76-42PL)	3,239.95	44.79
32 33 43 53-0185	EA	4 Seat 4' Square Plastic Table (DuMor 76-44PL)	4,373.40	44.79
32 33 43 53-0186		**Tables (Fusion)** *(32 33 43 53-0001)*		
32 33 43 53-0187	EA	8' Multi-Pedestal Inground Mount Wheelchair Table (Fusion FSC-F1112)	3,368.82	86.31
32 33 43 53-0188		**Tables (Landscapeforms)** *(32 33 43 53-0001)*		
32 33 43 53-0189	EA	Plexus Companion Table For Backed Seat, Straight Runs	760.13	89.67
32 33 43 53-0190	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	945.71	89.67
32 33 43 53-0191	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	945.71	89.67
32 33 43 53-0192	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	945.71	89.67
32 33 43 53-0193	EA	6-Person Picnic Table (Landscapeforms Manistee)	2,815.83	89.67
32 33 43 53-0194	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,504.07	89.67
32 33 43 53-0195	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,218.28	89.67
32 33 43 53-0196	EA	Umbrella Stand For Picnic Table (Landscapeforms)	231.97	
32 33 43 53-0197	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,227.65	86.31
32 33 43 53-0198	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,180.60	67.13
32 33 43 53-0199	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	989.00	67.13
32 33 43 53-0200	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,605.06	86.31
32 33 43 53-0201	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,504.07	89.67
32 33 43 53-0202	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,504.07	89.67
32 33 43 53-0203	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,244.51	89.67
32 33 43 53-0204	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,244.51	89.67
32 33 43 53-0205	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,672.94	89.67
32 33 43 53-0206	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,672.94	89.67
32 33 43 53-0207	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,413.38	89.67
32 33 43 53-0208	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,413.38	89.67
32 33 43 53-0209	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,607.99	89.67
32 33 43 53-0210	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,607.99	89.67
32 33 43 53-0211	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,400.39	89.67
32 33 43 53-0212	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,400.39	89.67
32 33 43 53-0213	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,776.86	89.67
32 33 43 53-0214	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,776.86	89.67
32 33 43 53-0215	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,569.26	89.67
32 33 43 53-0216	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,569.26	89.67
32 33 43 53-0217	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,659.95	89.67
32 33 43 53-0218	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,659.95	89.67
32 33 43 53-0219	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,413.38	89.67
32 33 43 53-0220	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,413.38	89.67
32 33 43 53-0221	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,828.82	89.67
32 33 43 53-0222	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,828.82	89.67
32 33 43 53-0223	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,582.25	89.67
32 33 43 53-0224	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,582.25	89.67
32 33 43 53-0225	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,789.85	89.67
32 33 43 53-0226	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,789.85	89.67
32 33 43 53-0227	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,608.23	89.67
32 33 43 53-0228	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,608.23	89.67
32 33 43 53-0229	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,958.72	89.67
32 33 43 53-0230	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,958.72	89.67
32 33 43 53-0231	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,777.11	89.67
32 33 43 53-0232	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,777.11	89.67
32 33 43 53-0233	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,325.92	89.67
32 33 43 53-0234	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,325.92	89.67
32 33 43 53-0235	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,056.61	89.67
32 33 43 53-0236	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,056.61	89.67
32 33 43 53-0237	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,418.70	89.67
32 33 43 53-0238	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,418.70	89.67
32 33 43 53-0239	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,137.80	89.67
32 33 43 53-0240	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,137.80	89.67
32 33 43 53-0241	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,430.30	89.67
32 33 43 53-0242	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,430.30	89.67
32 33 43 53-0243	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,195.80	89.67
32 33 43 53-0244	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,195.80	89.67
32 33 43 53-0245	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,511.49	89.67
32 33 43 53-0246	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,511.49	89.67
32 33 43 53-0247	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,276.98	89.67
32 33 43 53-0248	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,276.98	89.67
32 33 43 53-0249	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,476.69	89.67
32 33 43 53-0250	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,476.69	89.67
32 33 43 53-0251	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,218.99	89.67
32 33 43 53-0252	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,218.99	89.67
32 33 43 53-0253	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,563.68	89.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0254	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,563.68	89.67
32 33 43 53-0255	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,300.18	89.67
32 33 43 53-0256	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,300.18	89.67
32 33 43 53-0257	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,621.67	89.67
32 33 43 53-0258	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,621.67	89.67
32 33 43 53-0259	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,445.16	89.67
32 33 43 53-0260	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,445.16	89.67
32 33 43 53-0261	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,702.86	89.67
32 33 43 53-0262	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,702.86	89.67
32 33 43 53-0263	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,526.35	89.67
32 33 43 53-0264	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,526.35	89.67
32 33 43 53-0265	EA	30" Square Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	980.50	89.67
32 33 43 53-0266	EA	36" Square Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,108.08	89.67
32 33 43 53-0267	EA	30" Square Polished Granite Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,166.08	89.67
32 33 43 53-0268	EA	36" Square Polished Granite Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,270.46	89.67
32 33 43 53-0269	EA	30" Square Fiberglass Table Top With Other Support (Landscapeforms Carousel)	922.51	89.67
32 33 43 53-0270	EA	36" Square Fiberglass Table Top With Other Support (Landscapeforms Carousel)	992.10	89.67
32 33 43 53-0271	EA	30" Square Polished Granite Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,108.08	89.67
32 33 43 53-0272	EA	36" Square Polished Granite Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,154.48	89.67
32 33 43 53-0273	EA	24" Round Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	968.90	89.67
32 33 43 53-0274	EA	30" Round Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,003.70	89.67
32 33 43 53-0275	EA	36" Round Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,142.88	89.67
32 33 43 53-0276	EA	42" Round Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,282.06	89.67
32 33 43 53-0277	EA	24" Round Polished Granite Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,142.88	89.67
32 33 43 53-0278	EA	30" Round Polished Granite Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,166.08	89.67
32 33 43 53-0279	EA	36" Round Polished Granite Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,328.45	89.67
32 33 43 53-0280	EA	42" Round Polished Granite Fiberglass Table Top With Catena Support (Landscapeforms Carousel)	1,456.04	89.67
32 33 43 53-0281	EA	24" Round Fiberglass Table Top With Other Support (Landscapeforms Carousel)	910.91	89.67
32 33 43 53-0282	EA	30" Round Fiberglass Table Top With Other Support (Landscapeforms Carousel)	945.71	89.67
32 33 43 53-0283	EA	36" Round Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,026.89	89.67
32 33 43 53-0284	EA	42" Round Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,166.08	89.67
32 33 43 53-0285	EA	24" Round Polished Granite Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,084.89	89.67
32 33 43 53-0286	EA	30" Round Polished Granite Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,108.08	89.67
32 33 43 53-0287	EA	36" Round Polished Granite Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,212.47	89.67
32 33 43 53-0288	EA	42" Round Polished Granite Fiberglass Table Top With Other Support (Landscapeforms Carousel)	1,340.05	89.67
32 33 43 53-0289	EA	30" Round Cantena Metal Table Top With Cantena Support (Landscapeforms Carousel)	968.90	89.67
32 33 43 53-0290	EA	36" Round Cantena Metal Table Top With Cantena Support (Landscapeforms Carousel)	1,108.08	89.67
32 33 43 53-0291	EA	42" Round Cantena Metal Table Top With Cantena Support (Landscapeforms Carousel)	1,177.67	89.67
32 33 43 53-0292	EA	30" Round Cantena Metal Table Top With Other Support (Landscapeforms Carousel)	910.91	89.67
32 33 43 53-0293	EA	36" Round Cantena Metal Table Top With Other Support (Landscapeforms Carousel)	992.10	89.67
32 33 43 53-0294	EA	42" Round Cantena Metal Table Top With Other Support (Landscapeforms Carousel)	1,061.69	89.67
32 33 43 53-0295	EA	36" Round Steelhead Metal Table Top With Cantena Support (Landscapeforms Carousel)	1,438.64	89.67
32 33 43 53-0296	EA	42" Round Steelhead Metal Table Top With Cantena Support (Landscapeforms Carousel)	1,554.62	89.67
32 33 43 53-0297	EA	42" Round Steelhead Perforated Metal Table Top With Cantena Support (Landscapeforms Carousel)	1,734.40	89.67
32 33 43 53-0298	EA	36" Round Steelhead Metal Table Top With Other Support (Landscapeforms Carousel)	1,305.26	89.67
32 33 43 53-0299	EA	42" Round Steelhead Metal Table Top With Other Support (Landscapeforms Carousel)	1,438.64	89.67
32 33 43 53-0300	EA	42" Round Steelhead Perforated Metal Table Top With Other Support (Landscapeforms Carousel)	1,618.41	89.67
32 33 43 53-0301	EA	96" High x 97" Diameter Plain Edge Umbrella (Landscapeforms Equinox)	1,555.75	22.44
32 33 43 53-0302	EA	96" High x 97" Diameter Valanced Edge Umbrella (Landscapeforms Equinox)	1,625.34	22.44
32 33 43 53-0303	EA	91" High x 86" Diameter Sun Shade Umbrella (Landscapeforms Solstice Altair)	3,022.95	22.44
32 33 43 53-0304	EA	91" High x 86" Diameter Sun Shade Umbrella With Surface Mount Stand (Landscapeforms Solstice Altair)	3,278.11	22.44
32 33 43 53-0305	EA	91" High x 92" Diameter Sun Shade Umbrella (Landscapeforms Solstice Cygnus)	3,481.09	22.44
32 33 43 53-0306	EA	91" High x 92" Diameter Sun Shade Umbrella With Surface Mount Stand (Landscapeforms Solstice Cygnus)	3,736.25	22.44
32 33 43 53-0307	EA	98" High x 84" Diameter Sun Shade Umbrella (Landscapeforms Solstice Sirius)	3,026.43	22.44
32 33 43 53-0308	EA	98" High x 84" Diameter Sun Shade Umbrella With Surface Mount Stand (Landscapeforms Solstice Sirius)	3,281.59	22.44
32 33 43 53-0309		**Tables (RecycleDesign)** *(32 33 43 53-0001)*		
32 33 43 53-0310	EA	Park Picnic Table, 60", Embedded (Recycle Desing 9850)	2,428.89	112.02
32 33 43 53-0311	EA	Park Picnic Table, 60", Surface Mount (Recycle Desing 9850)	2,607.21	112.02
32 33 43 53-0312	EA	Park Picnic Table, 72" ADA/Universal, Embedded (Recycle Desing 9851)	2,558.02	112.02
32 33 43 53-0313	EA	Park Picnic Table, 72" ADA/Universal, Surface Mount (Recycle Desing 9851)	2,779.39	112.02
32 33 43 53-0314	EA	Park Picnic Table, 96" ADA/Special, Embedded (Recycle Desing 9852)	3,215.98	112.02
32 33 43 53-0315	EA	Park Picnic Table, 96" ADA/Special, Surface Mount (Recycle Desing 9852)	3,492.70	112.02
32 33 43 53-0316	EA	Park Portable Picnic Table, 72" (Recycle Desing 9030)	1,922.21	44.79
32 33 43 53-0317	EA	Park Portable Picnic Table, 84" (Recycle Desing 9853)	1,922.21	44.79
32 33 43 53-0318		**Tables/Umbrellas (Smith And Hawken)** *(32 33 43 53-0001)*		
32 33 43 53-0319	EA	Dolce Table, 31" (Smith And Hawken K549063)	777.83	112.02
32 33 43 53-0320	EA	Dolce Table, 47.5" (Smith And Hawken K549071)	946.93	112.02
32 33 43 53-0321	EA	Parisian Park Table, 23.5" (Smith And Hawken K4148)	562.60	112.02
32 33 43 53-0322	EA	Parisian Park Table, 31.5" (Smith And Hawken K4147)	608.72	112.02
32 33 43 53-0323	EA	Parisian Park Table, 46" (Smith And Hawken K375519)	823.94	112.02
32 33 43 53-0324	EA	Ravello Table (Smith And Hawken K503334)	808.57	112.02
32 33 43 53-0325	EA	Salerno Bar Table (Smith And Hawken K658658)	808.57	112.02
32 33 43 53-0326	EA	Salerno Round Table (Smith And Hawken K503839)	731.71	112.02
32 33 43 53-0327	EA	Salerno Round Table (Smith And Hawken K606152)	731.71	112.02
32 33 43 53-0328	EA	Salerno Round Table (Smith And Hawken K549238)	731.71	112.02
32 33 43 53-0329	EA	Salerno Square Table (Smith And Hawken K503847)	670.21	112.02
32 33 43 53-0330	EA	Salerno Square Table (Smith And Hawken K606145)	670.21	112.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0331	EA	Salerno Square Table (Smith And Hawken K549402)	670.21	112.02
32 33 43 53-0332	EA	Sienna Table 29.5" (Smith And Hawken K503300)	820.87	112.02
32 33 43 53-0333	EA	Sienna Table 47.5" (Smith And Hawken K529461)	1,312.81	112.02
32 33 43 53-0334	EA	Star And Dolphin Table 27" (Smith And Hawken K659359)	977.67	112.02
32 33 43 53-0335	EA	Star And Dolphin Table 42" (Smith And Hawken K659367)	1,761.70	112.02
32 33 43 53-0336	EA	Market Umbrella, 6.75' (Smith And Hawken K621466)	1,259.60	6.71
32 33 43 53-0337	EA	Market Umbrella, 8.75' (Smith And Hawken K621508)	1,582.44	6.71
32 33 43 53-0338	EA	Market Umbrella, 11.75' (Smith And Hawken K621540)	2,012.88	6.71
32 33 43 53-0339	EA	Market Umbrella, 9.75' x 7.25' (Smith And Hawken K621581)	2,012.88	6.71
32 33 43 53-0340	EA	Villa Umbrella, 8.75' Octagon (Smith And Hawken K656777)	2,120.49	6.71
32 33 43 53-0341	EA	Villa Umbrella, 11.5' Octagon (Smith And Hawken K656819)	2,766.16	6.71
32 33 43 53-0342	EA	Disk Base 20" For 1.5" Diameter Pole (Smith And Hawken K624460)	393.91	4.50
32 33 43 53-0343	EA	Disk Base 24" For 2" Diameter Pole (Smith And Hawken K624478)	486.15	4.50
32 33 43 53-0344	EA	In-Ground Base For 1.5" Diameter Pole (Smith And Hawken K658187)	311.27	8.92
32 33 43 53-0345	EA	In-Ground Base For 2" Diameter Pole (Smith And Hawken K658195)	326.64	8.92
32 33 43 53-0346	EA	Rolling Base For 1.5" Diameter Pole (Smith And Hawken K658476)	778.24	4.50
32 33 43 53-0347	EA	Rolling Base For 2" Diameter Pole (Smith And Hawken K658518)	808.99	4.50
32 33 43 53-0348		Tables (Wabash) *(32 33 43 53-0001)*		
32 33 43 53-0349	EA	Spyder ADA Round Table (Wabash SY203P)	2,699.41	86.31
32 33 43 53-0350	EA	Shelter With 6' Table (Wabash SH105P)	8,206.32	86.31
32 33 43 53-0351	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,481.57	86.31
32 33 43 53-0352	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,660.77	95.90
32 33 43 53-0353		Picnic Tables *(32 33 43 53)*		
32 33 43 53-0354		Wooden Picnic Tables *(32 33 43 53-0353)*		
32 33 43 53-0355	EA	6' Permanent Rectangular Redwood Table	1,028.10	71.93
32 33 43 53-0356		Portable Picnic Tables *(32 33 43 53-0353)*		
32 33 43 53-0357	EA	6' Wood Table With Aluminum Frame	1,883.92	47.96
32 33 43 53-0358	EA	6' Aluminum Table And Frame	2,748.01	47.96
32 33 43 53-0359	EA	8' Aluminum Table And Frame	3,277.16	59.94
32 33 43 53-0360	EA	6' Steel Table And Frame	1,351.49	47.96
32 33 43 53-0361	EA	8' Steel Table And Frame	1,547.12	59.94
32 33 43 53-0362		Concrete Picnic Tables *(32 33 43 53-0353)*		
32 33 43 53-0363	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,665.43	191.81
32 33 43 53-0364	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	3,159.73	
32 33 43 53-0365	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	3,169.66	
32 33 43 53-0366	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	3,362.83	
32 33 43 53-0367		Plastic Picnic Tables *(32 33 43 53-0353)* Note: Manufactured from recycled plastic.		
32 33 43 53-0368		Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0367)*		
32 33 43 53-0369	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,778.51	71.93
32 33 43 53-0370	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,952.14	71.93
32 33 43 53-0371		Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0367)*		
32 33 43 53-0372	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,341.58	71.93
32 33 43 53-0373	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,574.75	71.93
32 33 43 53-0374		Recycled Plastic Tables *(32 33 43 53-0367)*		
32 33 43 53-0375	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	3,077.46	71.93
32 33 43 53-0376	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,557.46	71.93
32 33 43 53-0377	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,796.43	71.93
32 33 43 53-0378	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,612.90	71.93
32 33 43 53-0379	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	3,296.83	71.93
32 33 43 53-0380	EA	4' Youth Table, Recycled Plastic Lumber	1,297.99	57.54
32 33 53		**Site Grills** *(32 33)*		
32 33 53 00-0001		Picnic Grills *(32 33 53)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	450.19	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	481.97	

32 33 63 Skate Board Deterrent *(32 33)*

32 33 63 00-0001 Skate Stoppers *(32 33 63)*

32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	67.13	
		For >59 To 99, Deduct	*-7.24*	
		For >99 To 249, Deduct	*-9.13*	
		For >249, Deduct	*-11.03*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	71.15	
		For >59 To 99, Deduct	*-7.80*	
		For >99 To 249, Deduct	*-9.82*	
		For >249, Deduct	*-11.83*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	50.04	
		For >59 To 99, Deduct	*-4.85*	
		For >99 To 249, Deduct	*-6.23*	
		For >249, Deduct	*-7.61*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	39.98	
		For >59 To 99, Deduct	*-3.44*	
		For >99 To 249, Deduct	*-4.52*	
		For >249, Deduct	*-5.60*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	43.74	
		For >59 To 99, Deduct	*-3.97*	
		For >99 To 249, Deduct	*-5.16*	
		For >249, Deduct	*-6.35*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	41.84	
		For >59 To 99, Deduct	*-3.70*	
		For >99 To 249, Deduct	*-4.83*	
		For >249, Deduct	*-5.97*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	39.36	
		For >59 To 99, Deduct	*-3.35*	
		For >99 To 249, Deduct	*-4.41*	
		For >249, Deduct	*-5.47*	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	54.73	
		For >59 To 99, Deduct	*-5.50*	
		For >99 To 249, Deduct	*-7.03*	
		For >249, Deduct	*-8.55*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	100.86	
		For >59 To 99, Deduct	*-11.96*	
		For >99 To 249, Deduct	*-14.87*	
		For >249, Deduct	*-17.77*	

32 35 Screening Devices *(32 30)*

32 35 16 Sound Barriers *(32 35)*

32 35 16 00-0001 Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns *(32 35 16)*

Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)

32 35 16 00-0002 4" Thick *(32 35 16 00-0001)*

32 35 16 00-0003	LF	6' High x 4" Thick Precast Concrete Sound Walls	202.65	27.41
32 35 16 00-0004	LF	7' High x 4" Thick Precast Concrete Sound Walls	219.12	30.61
32 35 16 00-0005	LF	8' High x 4" Thick Precast Concrete Sound Walls	238.56	33.15
32 35 16 00-0006	LF	9' High x 4" Thick Precast Concrete Sound Walls	254.49	35.70
32 35 16 00-0007	LF	10' High x 4" Thick Precast Concrete Sound Walls	269.16	38.25
32 35 16 00-0008	LF	11' High x 4" Thick Precast Concrete Sound Walls	290.12	39.54
32 35 16 00-0009	LF	12' High x 4" Thick Precast Concrete Sound Walls	310.55	41.44

32 35 16 00-0010 6" Thick *(32 35 16 00-0001)*

32 35 16 00-0011	LF	6' High x 6" Thick Precast Concrete Sound Walls	241.88	31.88
32 35 16 00-0012	LF	7' High x 6" Thick Precast Concrete Sound Walls	261.51	35.70
32 35 16 00-0013	LF	8' High x 6" Thick Precast Concrete Sound Walls	284.70	39.54
32 35 16 00-0014	LF	9' High x 6" Thick Precast Concrete Sound Walls	303.69	42.09
32 35 16 00-0015	LF	10' High x 6" Thick Precast Concrete Sound Walls	321.19	44.63
32 35 16 00-0016	LF	11' High x 6" Thick Precast Concrete Sound Walls	346.28	46.55
32 35 16 00-0017	LF	12' High x 6" Thick Precast Concrete Sound Walls	370.72	48.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0018		**8" Thick** *(32 35 16 00-0001)*		
32 35 16 00-0019	LF	6' High x 8" Thick Precast Concrete Sound Walls	292.27	38.25
32 35 16 00-0020	LF	7' High x 8" Thick Precast Concrete Sound Walls	315.90	42.09
32 35 16 00-0021	LF	8' High x 8" Thick Precast Concrete Sound Walls	343.93	45.91
32 35 16 00-0022	LF	9' High x 8" Thick Precast Concrete Sound Walls	366.81	49.73
32 35 16 00-0023	LF	10' High x 8" Thick Precast Concrete Sound Walls	387.96	52.92
32 35 16 00-0024	LF	11' High x 8" Thick Precast Concrete Sound Walls	418.38	54.84
32 35 16 00-0025	LF	12' High x 8" Thick Precast Concrete Sound Walls	448.05	57.39
32 35 16 00-0026		**Redwood Top** *(32 35 16 00-0001)*		
32 35 16 00-0027	LF	2" x 6" Redwood, Construction Grade/Rough	6.34	1.44
32 35 16 00-0028	LF	2" x 8" Redwood, Construction Grade/Rough	7.30	1.86
32 35 16 00-0029	LF	2" x 10" Redwood, Construction Grade/Rough	11.29	2.30
32 35 16 00-0030	LF	2" x 12" Redwood, Construction Grade/Rough	13.63	2.88
32 35 16 00-0031	LF	2" x 6" Redwood, Con Heart/Smooth	7.81	1.44
32 35 16 00-0032	LF	2" x 8" Redwood, Con Heart/Smooth	11.31	1.86
32 35 16 00-0033	LF	2" x 10" Redwood, Con Heart/Smooth	15.01	2.30
32 35 16 00-0034	LF	2" x 12" Redwood, Con Heart/Smooth	18.05	2.88

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes core drilling (where needed), augering, concrete footing and compaction See CSI section 02 41 19 13-0081 for concrete core drilling, 02 41 19 13-0219 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

32 39 13 00-0001 Metal Pipe Bollards *(32 39 13)*

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*

32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	71.05	14.65
		For Galvanized Steel, Add	*7.09*	
		For 304 Stainless Steel, Add	*56.34*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*141.28*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*96.56*	
		For Schedule 80, Add	*9.19*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*10.20*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	95.14	14.65
		For Galvanized Steel, Add	*11.19*	
		For 304 Stainless Steel, Add	*88.86*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*141.28*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*96.56*	
		For Schedule 80, Add	*12.81*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*14.39*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	134.26	18.32
		For Galvanized Steel, Add	*16.60*	
		For 304 Stainless Steel, Add	*131.79*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*184.56*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*209.28*	
		For Schedule 80, Add	*18.31*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*19.21*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	177.54	21.98
		For Galvanized Steel, Add	*22.71*	
		For 304 Stainless Steel, Add	*180.32*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*213.88*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*223.94*	
		For Schedule 80, Add	*24.43*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*23.49*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	224.37	29.32
		For Galvanized Steel, Add	*28.18*	
		For 304 Stainless Steel, Add	*223.76*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*293.48*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*312.24*	
		For Schedule 80, Add	*30.72*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*27.39*	

32 39 13 00-0008 Cast Bollards *(32 39 13 00-0001)*

32 39 13 00-0009	EA	36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	2,004.78	87.94
32 39 13 00-0010	EA	36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,380.14	87.94
32 39 13 00-0011	EA	36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,700.70	87.94
32 39 13 00-0012	EA	36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,084.20	87.94

32 39 23 Manufactured Concrete Bollards *(32 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23 00-0001		**Concrete Bollards** *(32 39 23)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002		**Concrete Bollard, Exposed Aggregate** *(32 39 23 00-0001)*		
32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	664.99	117.25
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast. Note: Surface mounted with anchor bolts embedded into grout pockets.	664.99	117.25
32 39 23 00-0005		**Poured In Place Concrete Bollard With Powder Coated Steel Exterior** *(32 39 23)* Note: Includes high visibility powder coated steel exterior with welded anchoring tabs for embedding in concrete. Excludes excavation and concrete foundation.		
32 39 23 00-0006	EA	24" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	264.83	58.62
32 39 23 00-0007	EA	36" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	339.39	58.62
32 39 23 00-0008	EA	42" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	389.81	58.62
32 39 23 00-0009	EA	48" Exposed Height, 5-1/2" Diameter, Poured In Place Concrete Bollard With Powder Coated Steel Exterior	437.39	58.62
32 39 25		**Manufactured Wood Bollards** *(32 39)*		
32 39 25 00-0001		**Wood Bollards** *(32 39 25)* Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002		**Wood Bollard, Pressure Treated Timber** *(32 39 25 00-0001)*		
32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	25.63	11.72
		For Each Sleeve For Removable, Lockable Bollard, Add	*141.90*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	27.92	11.72
		For Each Sleeve For Removable, Lockable Bollard, Add	*141.90*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	34.33	13.19
		For Each Sleeve For Removable, Lockable Bollard, Add	*222.76*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	47.57	17.59
		For Each Sleeve For Removable, Lockable Bollard, Add	*240.34*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	64.75	23.45
		For Each Sleeve For Removable, Lockable Bollard, Add	*338.80*	
32 39 27		**Manufactured Plastic Bollards** *(32 39)*		
32 39 27 00-0001		**Plastic Bollards** *(32 39 27)* See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002		**Recycled Plastic Bollards** *(32 39 27 00-0001)*		
32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	377.90	58.62
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	609.95	58.62
32 39 27 00-0005		**Plastic Bollard Covers** *(32 39 27 00-0001)*		
32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	93.59	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	101.14	13.57
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	128.05	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	128.05	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	144.14	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	128.05	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	130.35	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	128.05	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	130.35	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	183.20	12.33
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	130.51	13.57
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	167.28	13.57
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	190.75	13.57
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	160.56	14.81
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	174.34	14.81
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	174.34	14.81
		For Reflective Tape, Add	*10.94*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	236.40	14.81
		For Reflective Tape, Add	*10.94*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,870.41	146.56
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,360.47	205.19
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,136.26	146.56
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,725.75	117.25
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,600.42	117.25

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	52.85	12.99
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	80.37	12.99
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	78.45	12.99
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	104.31	12.99

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	158.96	12.99
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	160.38	12.99
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	64.87	12.99
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	66.01	12.99
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	172.20	12.99
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	81.98	12.99
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	90.90	12.99

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	63.71	12.99
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	63.71	12.99
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	63.71	12.99
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	73.09	12.99

32 84 13 00-0020 Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.73	1.82
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.53	2.08
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.83	1.82
		For Shallow Trenching And Backfill By Hand, Add	*7.46*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.48	2.08
		For Shallow Trenching And Backfill By Hand, Add	*8.08*	

32 84 13 00-0025 Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.42	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.46	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.51	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.67	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.40	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.59	
		For Compression Fitting, Add	*0.34*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.69	
		For Compression Fitting, Add	*0.44*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.74	
		For Compression Fitting, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.76	
		For Compression Fitting, Add	*0.51*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	3.97	
		For Compression Fitting, Add	*0.72*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.20	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.07	
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	7.02	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	7.93	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	16.18	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	27.40	11.69
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	27.45	11.69
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	29.96	11.69
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	30.23	11.69
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	43.44	15.33
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	46.68	15.33
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	46.51	15.33
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	5.20	2.27
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	38.45	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	36.62	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	43.43	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	49.13	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	39.18	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	48.77	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	53.38	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	41.91	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	50.65	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	54.96	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	43.00	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	56.42	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	60.67	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	33.03	14.35
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	37.30	14.35
32 84 23 00-0018		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	51.93	14.35
		For Non-Potable Cover, Add	*2.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	53.44	14.35
		For Non-Potable Cover, Add	*2.00*	

32 84 23 00-0022 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*

Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.

32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	48.28	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	64.67	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	51.32	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	67.10	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	52.53	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	54.96	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	70.74	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	80.46	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	54.66	14.35
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	64.37	14.35
		For Non-Potable Cover, Add	*2.00*	

32 84 23 00-0033 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*

Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.

32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	87.44	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*44.68*	

32 84 23 00-0035 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*

Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.

32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	122.65	14.35
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	

32 84 23 00-0037 Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*

Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.

32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	70.44	14.35
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	55.87	14.35
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	104.41	14.35

32 84 23 00-0041 Electric Remote Control Irrigation Valves *(32 84 23)*

32 84 23 00-0042 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*

Note: 15 to 150 PSI.

32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	162.08	59.82
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	162.08	59.82
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	179.18	68.19
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	163.29	59.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0047		**0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)** *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	163.29	59.82
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	181.00	68.19
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	182.21	68.19
32 84 23 00-0051		**0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	260.42	59.82
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	302.91	59.82
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	357.54	59.82
32 84 23 00-0055		**5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	368.09	67.24
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	410.58	67.24
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	465.22	67.24
32 84 23 00-0059		**20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	428.80	67.24
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	471.29	67.24
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	525.92	67.24
32 84 23 00-0063		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	381.27	59.82
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	576.63	59.82
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	594.29	59.82
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,382.50	80.76
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	354.92	67.24
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	413.01	67.24
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	476.08	67.24
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	559.13	67.24
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	464.11	67.24
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	695.89	67.24
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	715.76	67.24
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,472.90	67.24
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	469.57	59.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	664.92	59.82
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	682.58	59.82
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,470.80	80.76
32 84 23 00-0083		5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	445.98	67.24
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	504.07	67.24
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	567.14	67.24
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	650.18	67.24
32 84 23 00-0088		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	552.41	67.24
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	784.19	67.24
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	804.05	67.24
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,561.19	67.24
32 84 23 00-0093		Other Electric Remote Control Valves/Accessories *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	138.92	
32 84 23 00-0095		Remote Control Valve Assemblies *(32 84 23 00-0041)*		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	576.68	149.56
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	619.17	149.56
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	673.80	149.56
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	637.38	149.56
		Note: Purple components for use with recycled water		
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	679.87	149.56
		Note: Purple components for use with recycled water		
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	734.51	149.56
		Note: Purple components for use with recycled water		
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	654.56	149.56
		Note: Purple components for use with recycled water		
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	775.72	149.56
		Note: Purple components for use with recycled water		
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	858.77	149.56
		Note: Purple components for use with recycled water		
32 84 23 00-0105		Irrigation Valve Boxes *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	100.46	43.07
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	114.80	43.07
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	150.65	56.71
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	262.83	82.79
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	268.28	82.79
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	307.42	82.79
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	312.08	82.79
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	535.73	82.79
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	825.40	82.79
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	487.84	143.76
		For 12" Extension, Add	*105.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	772.41	143.76
		For 12" Extension, Add	*105.69*	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	214.86	71.79
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	309.88	82.79
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	165.82	56.71

32 84 23 00-0120 Irrigation Controllers *(32 84 23)*

See CSI section 27 15 13 00-0256 for low voltage wiring.

32 84 23 00-0121 Irrigation Controllers *(32 84 23 00-0120)*

32 84 23 00-0122 Irrigation Controllers (Rain Bird®) *(32 84 23 00-0121)*

32 84 23 00-0123 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) *(32 84 23 00-0122)*

32 84 23 00-0124 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0123)*

32 84 23 00-0125 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) *(32 84 23 00-0124)*

32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	382.71	38.37
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	534.99	38.37
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	687.28	38.37
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	839.56	38.37
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	953.48	38.37
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,110.57	38.37
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,267.65	38.37

32 84 23 00-0133 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) *(32 84 23 00-0124)*

32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	444.59	38.37
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	596.87	38.37
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	749.16	38.37
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	901.44	38.37
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,015.36	38.37
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,172.45	38.37
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,329.53	38.37

32 84 23 00-0141 Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0123)*

32 84 23 00-0142 Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) *(32 84 23 00-0141)*

32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	597.66	38.37
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	749.95	38.37
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	902.23	38.37
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,054.52	38.37
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,168.43	38.37
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,325.53	38.37
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,482.60	38.37

32 84 23 00-0150 Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) *(32 84 23 00-0141)*

32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	644.03	38.37
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	796.31	38.37
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	948.60	38.37
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,100.88	38.37
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,214.80	38.37
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,371.89	38.37
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,528.97	38.37

32 84 23 00-0158 Accessories For ESP-ME/MEI Irrigation Controllers *(32 84 23 00-0123)*

32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	157.07	
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	301.25	
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	409.02	

32 84 23 00-0162 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) *(32 84 23 00-0122)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0163		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)** *(32 84 23 00-0162)*		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	898.38	38.37
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,089.73	38.37
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,284.09	38.37
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,475.45	38.37
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,669.80	38.37
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,861.15	38.37
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,055.50	38.37
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,246.86	38.37
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,441.22	38.37
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,632.57	38.37
32 84 23 00-0174		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)** *(32 84 23 00-0162)*		
32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	887.10	38.37
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,078.44	38.37
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,272.79	38.37
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,464.15	38.37
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,658.51	38.37
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,849.86	38.37
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,044.22	38.37
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,235.57	38.37
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,429.93	38.37
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,621.29	38.37
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,815.64	38.37
32 84 23 00-0186		**Accessories For ESP-LX/LXME Irrigation Controllers** *(32 84 23 00-0162)*		
32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	643.60	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,489.79	
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,401.38	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,110.39	
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	191.35	
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	385.71	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	597.70	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	219.27	
32 84 23 00-0195		**Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)** *(32 84 23 00-0122)*		
32 84 23 00-0196		**Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)** *(32 84 23 00-0195)*		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	430.21	38.37
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	521.09	38.37
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	651.83	38.37
32 84 23 00-0200		**Accessories For TBOS-II Series Irrigation Controllers** *(32 84 23 00-0195)*		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	525.19	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	110.98	28.77
32 84 23 00-0203		**Accessories For Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0122)*		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	164.61	28.77
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	331.36	28.77
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	349.37	28.77
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	505.43	28.77
32 84 23 00-0208		**Two-Wire Decoder Systems** *(32 84 23 00-0120)*		
32 84 23 00-0209		**Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0208)*		
32 84 23 00-0210		**Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)** *(32 84 23 00-0209)* Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,538.22	38.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	3,674.74	38.37
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,811.25	38.37
32 84 23 00-0214		**Field Decoders For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0209)*		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	315.23	38.37
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	400.44	38.37
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	596.95	38.37
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	724.16	38.37
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,191.34	38.37
32 84 23 00-0220		**Accessories For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0209)*		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	1,895.47	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,136.51	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	238.78	33.57
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,048.75	38.37
32 84 23 00-0225		**Calsense Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0226		**Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0227	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,960.28	95.90
32 84 23 00-0228	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,821.24	107.89
32 84 23 00-0229	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	5,248.77	119.88
32 84 23 00-0230	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,776.71	119.88
32 84 23 00-0231	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,830.81	131.87
32 84 23 00-0232	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	8,247.23	131.87
32 84 23 00-0233	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	9,339.96	143.86
32 84 23 00-0234	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	10,460.22	143.86
32 84 23 00-0235	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	3,022.40	47.96
32 84 23 00-0236	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,266.50	47.96
32 84 23 00-0237	EA	Custom Top Entry 12 Gauge Stainless Steel With Programmable 8-Position Lock Assembly Note: Includes non-removable front access door internal mounted release handle.	1,213.32	149.56
32 84 23 00-0238		**Irrigation Controller Accessories** *(32 84 23 00-0225)*		
32 84 23 00-0239	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	123.62	
32 84 23 00-0240	EA	Spare Lock For Enclosures (Calsense PAD)	133.92	
32 84 23 00-0241	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	157.90	11.99
32 84 23 00-0242	EA	Transformer For Irrigation Controllers (Calsense TR-1)	224.67	47.96
32 84 23 00-0243	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	623.84	47.96
32 84 23 00-0244	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	829.87	47.96
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*365.09*	
32 84 23 00-0245		**Sensors For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0246		**Flow Sensors** *(32 84 23 00-0245)*		
32 84 23 00-0247	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,457.27	71.93
		For Flow Meter Replacement Insert Only, Deduct	*-1,066.36*	
32 84 23 00-0248	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,508.78	71.93
		For Flow Meter Replacement Insert Only, Deduct	*-1,117.87*	
32 84 23 00-0249	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,560.29	71.93
		For Flow Meter Replacement Insert Only, Deduct	*-1,169.38*	
32 84 23 00-0250	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,724.13	95.90
		For Flow Meter Replacement Insert Only, Deduct	*-1,332.91*	
32 84 23 00-0251	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,852.89	95.90
		For Flow Meter Replacement Insert Only, Deduct	*-1,461.67*	
32 84 23 00-0252	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,904.40	95.90
		For Flow Meter Replacement Insert Only, Deduct	*-1,513.18*	
32 84 23 00-0253	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,239.19	95.90
		For Flow Meter Replacement Insert Only, Deduct	*-1,719.79*	
32 84 23 00-0254	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,744.10	47.96
		For Flow Meter Replacement Insert Only, Deduct	*-1,224.70*	
32 84 23 00-0255		**Moisture Sensors** *(32 84 23 00-0245)*		
32 84 23 00-0256	EA	Soil Moisture Sensor (Calsense 1000-S)	612.75	35.97
32 84 23 00-0257		**Weather Sensors** *(32 84 23 00-0245)*		
32 84 23 00-0258	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,672.62	95.90
32 84 23 00-0259	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,915.95	191.81
32 84 23 00-0260	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,828.77	143.86
32 84 23 00-0261		**Weather Sensor Accessories** *(32 84 23 00-0245)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0262	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,126.03	
32 84 23 00-0263	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,130.40	
32 84 23 00-0264	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,126.03	47.96
32 84 23 00-0265	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,610.40	47.96
32 84 23 00-0266		**Antennas For Irrigation Controllers** *(32 84 23 00-0225)*		
		Note: Excludes antenna cable.		
32 84 23 00-0267	EA	Local Radio Dome Antenna (Calsense LR-DOME)	585.21	47.96
32 84 23 00-0268	EA	Local Radio Stick Antenna (Calsense LR-STICK)	855.62	47.96
32 84 23 00-0269	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	951.53	95.90
32 84 23 00-0270	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	585.21	47.96
32 84 23 00-0271	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	585.21	47.96
32 84 23 00-0272	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	585.21	47.96
32 84 23 00-0273	EA	GPRS Stick Antenna (Calsense GR-STICK)	855.62	47.96
32 84 23 00-0274	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	585.21	47.96
32 84 23 00-0275	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	855.62	47.96
32 84 23 00-0276	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	951.53	95.90
32 84 23 00-0277	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	585.21	47.96
32 84 23 00-0278	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	585.21	47.96
32 84 23 00-0279	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	585.21	47.96
32 84 23 00-0280	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	585.21	47.96
32 84 23 00-0281	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	16.09	0.57
32 84 23 00-0282	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	588.78	23.98
32 84 23 00-0283	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	958.63	47.96
32 84 23 00-0284	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	836.98	
32 84 23 00-0285	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,184.65	
32 84 23 00-0286	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	875.61	
32 84 23 00-0287		**Pedestals And Enclosures For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0288	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	530.16	71.93
32 84 23 00-0289	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,293.31	119.88
32 84 23 00-0290	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	1,447.94	47.96
		Note: Includes GFI and receptacle.		
32 84 23 00-0291	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	1,733.01	35.97
		Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0292	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)	5,443.23	35.97
		Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0293	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)	6,149.69	35.97
		Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0294	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	8,919.85	71.93
		Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0295	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	9,350.04	71.93
		Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0296	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	304.92	
32 84 23 00-0297	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	986.17	
32 84 23 00-0298		**Central Computer For Irrigation Control Systems** *(32 84 23 00-0225)*		
32 84 23 00-0299	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2)	6,861.97	
		Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0300	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	12,153.08	
32 84 23 00-0301	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5)	2,330.63	
		Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0302	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	4,594.11	
		Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0303	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,398.76	
32 84 23 00-0304	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,424.87	
32 84 23 00-0305		**Data Access Service** *(32 84 23 00-0225)*		
32 84 23 00-0306	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	37.46	
		Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0307	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)	409.71	
		Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0308	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)	1,755.90	
		Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0309	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)	152.18	
		Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0310	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)	1,638.84	
		Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0311	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)	7,023.60	
		Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0312		**Communication Options For Irrigation Controllers** *(32 84 23 00-0225)*		
32 84 23 00-0313	EA	FCC License Fee (Calsense)	246.96	
32 84 23 00-0314	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense)	481.08	
		Note: Per frequency or frequency pair.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0315	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,357.90	
32 84 23 00-0316	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,428.13	
32 84 23 00-0317	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,428.13	
32 84 23 00-0318	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,926.50	
32 84 23 00-0319	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,722.51	
32 84 23 00-0320	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,722.51	
32 84 23 00-0321	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,722.51	
32 84 23 00-0322	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,940.12	
32 84 23 00-0323	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,595.74	
32 84 23 00-0324		Retrofit Options For Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0325		Weather Retrofits For Irrigation Controllers *(32 84 23 00-0324)*		
32 84 23 00-0326	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,816.68	
32 84 23 00-0327	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,816.68	
32 84 23 00-0328	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,816.68	
32 84 23 00-0329	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,816.68	
32 84 23 00-0330		Phone Communication Retrofits For Irrigation Controllers *(32 84 23 00-0324)*		
32 84 23 00-0331	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,910.33	
32 84 23 00-0332	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,261.51	
32 84 23 00-0333	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,631.11	
32 84 23 00-0334		Local Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0324)*		
32 84 23 00-0335	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,144.45	
32 84 23 00-0336	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,532.47	
32 84 23 00-0337	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,890.37	
32 84 23 00-0338		Spread Spectrum Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0324)*		
32 84 23 00-0339	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,144.45	
32 84 23 00-0340	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,532.47	
32 84 23 00-0341	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,890.37	
32 84 23 00-0342		Ethernet Communication Retrofits For Irrigation Controllers *(32 84 23 00-0324)*		
32 84 23 00-0343	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,144.45	
32 84 23 00-0344	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,261.51	
32 84 23 00-0345	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,631.11	
32 84 23 00-0346		GPRS Radio Modem Communication Retrofits For Irrigation Controllers *(32 84 23 00-0324)*		
32 84 23 00-0347	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,144.45	
32 84 23 00-0348	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,532.47	
32 84 23 00-0349	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,890.37	
32 84 23 00-0350		Radio Remote Units For Irrigation Controllers *(32 84 23 00-0225)*		
32 84 23 00-0351	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,156.16	
32 84 23 00-0352	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	463.56	
32 84 23 00-0353	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	199.00	
32 84 23 00-0354	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	351.75	
32 84 23 00-0355	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	222.98	11.99
32 84 23 00-0356	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	433.69	11.99
32 84 23 00-0357	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	468.81	11.99
32 84 23 00-0358		Hydro-Safe WeatherTrak Controllers *(32 84 23 00-0120)*		
32 84 23 00-0359		Front Entry Pedestal Irrigation Controllers *(32 84 23 00-0358)* Note: HydroPoint WeatherTrak ETPro2 Commercial controller assembly in StrongBox SB-18SS enclosure.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0360	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC12S)	9,217.01	119.88
32 84 23 00-0361	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC18S)	9,812.18	119.88
32 84 23 00-0362	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC24S)	10,431.33	131.87
32 84 23 00-0363	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC30S)	11,150.50	131.87
32 84 23 00-0364	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC36S)	11,745.68	131.87
32 84 23 00-0365	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC42S)	12,340.02	143.86
32 84 23 00-0366	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS1-WTPRO2SC48S)	12,935.20	143.86
32 84 23 00-0367		**Back-to-Back Dual Irrigation Controllers** *(32 84 23 00-0358)* Note: HydroPoint WeatherTrak ETPro2 Dual back-to-back controller assembly in StrongBox SB-18DSS enclosure.		
32 84 23 00-0368	EA	12+18 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1218S)	17,027.03	143.86
32 84 23 00-0369	EA	12+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1224S)	17,597.41	143.86
32 84 23 00-0370	EA	12+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1236S)	18,875.73	163.04
32 84 23 00-0371	EA	12+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1242S)	19,545.30	163.04
32 84 23 00-0372	EA	18+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1824S)	18,192.59	143.86
32 84 23 00-0373	EA	18+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1836S)	19,545.30	163.04
32 84 23 00-0374	EA	18+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC1842S)	20,140.48	163.04
32 84 23 00-0375	EA	24+24 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2424S)	18,826.13	163.04
32 84 23 00-0376	EA	24+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2436S)	20,140.48	163.04
32 84 23 00-0377	EA	24+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC2442S)	20,749.23	182.22
32 84 23 00-0378	EA	36+36 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3636S)	21,493.20	182.22
32 84 23 00-0379	EA	36+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC3642S)	22,063.57	182.22
32 84 23 00-0380	EA	42+42 Back-to-back Dual Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS5-WTPRO2SC4242S)	22,697.10	201.40
32 84 23 00-0381		**Wall Mount/Retrofit Mount Irrigation Controllers** *(32 84 23 00-0358)* Note: HydroPoint WeatherTrak ETPro2 wall mount / retrofit controller assembly.		
32 84 23 00-0382	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC12S)	5,621.15	119.88
32 84 23 00-0383	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC18S)	6,117.13	119.88
32 84 23 00-0384	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC24S)	6,736.28	131.87
32 84 23 00-0385	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC30S)	7,455.45	131.87
32 84 23 00-0386	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC36S)	8,050.63	131.87
32 84 23 00-0387	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS718-WTPRO2SC42S)	8,669.77	143.86
32 84 23 00-0388		**Top Mount Irrigation Controllers** *(32 84 23 00-0358)* Note: HydroPoint WeatherTrak ETPro2 stainless steel top mount controller assembly.		
32 84 23 00-0389	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC12S)	9,812.18	119.88
32 84 23 00-0390	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC18S)	10,407.36	119.88
32 84 23 00-0391	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC24S)	11,051.30	131.87
32 84 23 00-0392	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC30S)	11,745.68	131.87
32 84 23 00-0393	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC36S)	12,340.85	131.87
32 84 23 00-0394	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC42S)	12,960.00	143.86
32 84 23 00-0395	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS16-WTPRO2SC48S)	13,530.38	143.86
32 84 23 00-0396		**Wall Mount Irrigation Controllers** *(32 84 23 00-0358)* Note: HydroPoint WeatherTrak ETPro2 stainless steel wall mount controller assembly.		
32 84 23 00-0397	EA	12 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC12S)	7,257.89	119.88
32 84 23 00-0398	EA	18 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC18S)	7,853.06	119.88
32 84 23 00-0399	EA	24 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC24S)	8,472.21	131.87
32 84 23 00-0400	EA	30 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC30S)	9,191.38	131.87
32 84 23 00-0401	EA	36 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC36S)	9,786.56	131.87
32 84 23 00-0402	EA	42 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC42S)	10,405.70	143.86
32 84 23 00-0403	EA	48 Station Irrigation Controller (HydroPoint WeatherTrak ETPro2 HS7-WTPRO2SC48S)	10,976.08	143.86
32 84 23 00-0404		**Accessories** *(32 84 23 00-0358)*		
32 84 23 00-0405	EA	WeatherTRAK Central Internet Management Upgrade (HydroPoint WTEXB-PRO2-CIM)	2,698.97	
32 84 23 00-0406	EA	Central Pancake Antenna (HydroPoint ANT-GRPS-PC)	413.48	
32 84 23 00-0407	EA	Central Antenna Amplifier Kit (HydroPoint ANT-AMP-C-Kit)	3,393.35	
32 84 23 00-0408	EA	Central Antenna Amplifier Kit With YAGI Antenna (HydroPoint ANT-AMP-C-Yagi-Kit)	4,447.30	
32 84 23 00-0409	EA	6-Station Key - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-6STA-KEY)	841.86	
32 84 23 00-0410	EA	24-Station Output Board - ET PRO2 Smart Water Manager Series (HydroPoint WTPRO2S-STA-EXT-BRD)	1,235.83	
32 84 23 00-0411		**Satellite Irrigation Controllers (Rain Bird® ESP-SAT)** *(32 84 23 00-0120)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0412	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	5,043.16	215.79
32 84 23 00-0413	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,318.43	227.78
32 84 23 00-0414	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,397.62	239.77
32 84 23 00-0415		**LEIT Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0416		**LEIT X Series Irrigation Controller** *(32 84 23 00-0415)*		
32 84 23 00-0417	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,747.50	38.37
32 84 23 00-0418	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,209.78	38.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0419	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,960.74	38.37
32 84 23 00-0420	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,711.71	38.37
32 84 23 00-0421	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,241.13	38.37
32 84 23 00-0422	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,770.54	38.37
32 84 23 00-0423		**LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0415)*		
		Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0424	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,354.81	199.90
32 84 23 00-0425	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,817.09	199.90
32 84 23 00-0426	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,568.06	199.90
32 84 23 00-0427	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,319.03	199.90
32 84 23 00-0428	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,848.44	199.90
32 84 23 00-0429	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	8,377.86	199.90
32 84 23 00-0430		**Enclosure For LEIT Controller Assembly** *(32 84 23 00-0415)*		
		Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0431	EA	12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	3,641.76	276.96
32 84 23 00-0432		**Hunter Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0433		**Hunter XC Hybrid Controller** *(32 84 23 00-0432)*		
		Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0434	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	778.82	95.90
32 84 23 00-0435	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	991.20	119.88
32 84 23 00-0436		**DC Latching Solenoid** *(32 84 23 00-0120)*		
32 84 23 00-0437	EA	DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers Note: As per manufacture of valve.	43.06	
32 84 23 00-0438	EA	DC Solenoid For LEIT Controllers (DIG S-305DC)	68.01	
32 84 23 00-0439		**Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)*		
		Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0440	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,453.49	527.11
32 84 23 00-0441	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,725.95	575.03
32 84 23 00-0442	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	4,119.93	622.95
32 84 23 00-0443	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,453.53	527.11
32 84 23 00-0444	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,725.95	575.03
32 84 23 00-0445	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	4,119.93	622.95
32 84 23 00-0446	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,301.57	527.11
32 84 23 00-0447	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,680.00	575.03
32 84 23 00-0448	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	5,073.98	622.95
32 84 23 00-0449		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0450		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0449)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0451	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	922.09	49.38
32 84 23 00-0452	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,093.92	60.30
32 84 23 00-0453	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,655.00	70.17
32 84 23 00-0454	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,749.28	80.56
32 84 23 00-0455	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,098.21	103.95
32 84 23 00-0456		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0449)*		
32 84 23 00-0457	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	173.41	43.07
		For Valve Key, Add	*44.62*	
32 84 23 00-0458	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	178.57	43.07
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*44.62*	
32 84 23 00-0459	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	235.33	43.07
		For Valve Key, Add	*114.12*	
32 84 23 00-0460	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	255.97	43.07
		For Valve Key, Add	*114.12*	
32 84 23 00-0461	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	246.25	43.07
32 84 23 00-0462	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	255.97	43.07
32 84 23 00-0463		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0449)*		
		Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0464	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	318.78	36.38
32 84 23 00-0465	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	456.92	41.58
32 84 23 00-0466	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	829.34	48.08
32 84 23 00-0467	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	1,010.18	53.27
32 84 23 00-0468	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	1,018.73	64.97
32 84 23 00-0469		**Aluminum Cam And Groove Adapter** *(32 84 23 00-0449)*		
32 84 23 00-0470	EA	1-1/2" Diameter Type A Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Female Pipe Thread	46.39	
32 84 23 00-0471	EA	2" Diameter Type A Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Female Pipe Thread	48.99	
32 84 23 00-0472	EA	1-1/2" Diameter Type F Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Male Pipe Thread	47.73	
32 84 23 00-0473	EA	2" Diameter Type F Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Male Pipe Thread	51.49	
32 84 23 00-0474		**Manual Sprinkler Control Valves** *(32 84 23 00-0449)*		
32 84 23 00-0475	EA	3/4" Manual Sprinkler Control Valves, With Union	109.82	35.08
32 84 23 00-0476	EA	1" Manual Sprinkler Control Valves, With Union	133.85	37.68
32 84 23 00-0477	EA	1-1/4" Manual Sprinkler Control Valves, With Union	205.26	47.69
32 84 23 00-0478	EA	1-1/2" Manual Sprinkler Control Valves, With Union	243.33	54.97
32 84 23 00-0479	EA	2" Manual Sprinkler Control Valves, With Union	326.39	64.97
32 84 23 00-0480		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0481		**Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0480)*		
		Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0482		**Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0481)*		
32 84 23 00-0483	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.48	1.20
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0484	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.24	1.50
		For >1,000, Deduct	*-0.21*	
32 84 23 00-0485	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	5.11	1.79
		For >1,000, Deduct	*-0.26*	
32 84 23 00-0486	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.74	2.27
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0487	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.43	2.85
		For >1,000, Deduct	*-0.42*	
32 84 23 00-0488	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.69	3.32
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0489	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.68	4.78
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0490	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.11	5.98
		For >1,000, Deduct	*-0.96*	
32 84 23 00-0491	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.06	7.48
		For >1,000, Deduct	*-1.35*	
32 84 23 00-0492		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0481)*		
32 84 23 00-0493	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.01	1.50
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0494	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.73	1.79
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0495	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.48	2.27
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0496	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	8.21	2.85
		For >1,000, Deduct	*-0.41*	
32 84 23 00-0497	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	10.36	3.32
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0498	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.55	4.78
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0499	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.81	5.98
		For >1,000, Deduct	*-0.99*	
32 84 23 00-0500	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	31.46	7.48
		For >1,000, Deduct	*-1.57*	
32 84 23 00-0501		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0481)*		
32 84 23 00-0502	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.20	1.50
		For >1,000, Deduct	*-0.21*	
32 84 23 00-0503	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.99	1.79
		For >1,000, Deduct	*-0.25*	
32 84 23 00-0504	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.96	2.27
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0505	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	9.03	2.85
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0506	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.65	3.32
		For >1,000, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0507	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.68	4.78
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0508	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	19.11	5.98
		For >1,000, Deduct	*-0.96*	
32 84 23 00-0509	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	27.49	7.48
		For >1,000, Deduct	*-1.37*	

32 84 23 00-0510 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

(32 84 23 00-0480)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0511 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*

32 84 23 00-0512	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.58	1.50
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0513	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.46	1.79
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0514	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.08	2.27
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0515	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.78	2.85
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0516	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.05	3.32
		For >1,000, Deduct	*-0.65*	
32 84 23 00-0517	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	17.03	4.78
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0518	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.45	5.98
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0519	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.40	7.48
		For >1,000, Deduct	*-1.47*	

32 84 23 00-0520 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*

32 84 23 00-0521	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.88	1.50
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0522	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.74	1.79
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0523	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.38	2.27
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0524	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.06	2.85
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0525	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.33	3.32
		For >1,000, Deduct	*-0.67*	
32 84 23 00-0526	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.31	4.78
		For >1,000, Deduct	*-0.87*	
32 84 23 00-0527	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.73	5.98
		For >1,000, Deduct	*-1.09*	
32 84 23 00-0528	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	29.68	7.48
		For >1,000, Deduct	*-1.48*	

32 84 23 00-0529 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*

32 84 23 00-0530	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.16	1.50
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0531	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	8.02	1.79
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0532	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.66	2.27
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0533	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.36	2.85
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0534	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.61	3.32
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0535	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.59	4.78
		For >1,000, Deduct	*-0.88*	
32 84 23 00-0536	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.02	5.98
		For >1,000, Deduct	*-1.10*	
32 84 23 00-0537	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	29.97	7.48
		For >1,000, Deduct	*-1.50*	

32 84 23 00-0538 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*

32 84 23 00-0539	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.46	1.50
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0540	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.27	1.79
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0541	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.10	2.27
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0542	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.17	2.85
		For >1,000, Deduct	*-0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0543	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.69	3.32
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0544	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.90	4.78
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0545	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	22.15	5.98
		For >1,000, Deduct	*-1.11*	
32 84 23 00-0546	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	33.80	7.48
		For >1,000, Deduct	*-1.69*	
32 84 23 00-0547		Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*		
32 84 23 00-0548	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.76	1.50
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0549	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.55	1.79
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0550	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.40	2.27
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0551	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.45	2.85
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0552	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.97	3.32
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0553	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.18	4.78
		For >1,000, Deduct	*-0.86*	
32 84 23 00-0554	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	22.43	5.98
		For >1,000, Deduct	*-1.12*	
32 84 23 00-0555	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	34.08	7.48
		For >1,000, Deduct	*-1.70*	
32 84 23 00-0556		Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*		
32 84 23 00-0557	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.04	1.50
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0558	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.83	1.79
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0559	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	9.68	2.27
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0560	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.75	2.85
		For >1,000, Deduct	*-0.59*	
32 84 23 00-0561	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	14.25	3.32
		For >1,000, Deduct	*-0.71*	
32 84 23 00-0562	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.46	4.78
		For >1,000, Deduct	*-0.87*	
32 84 23 00-0563	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.72	5.98
		For >1,000, Deduct	*-1.14*	
32 84 23 00-0564	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	34.37	7.48
		For >1,000, Deduct	*-1.72*	
32 84 23 00-0565		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0510)*		
32 84 23 00-0566	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.55	1.50
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0567	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.34	1.79
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0568	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	9.31	2.27
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0569	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	11.37	2.85
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0570	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	14.01	3.32
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0571	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	17.03	4.78
		For >1,000, Deduct	*-0.85*	
32 84 23 00-0572	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.45	5.98
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0573	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	29.83	7.48
		For >1,000, Deduct	*-1.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0574		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted** *(32 84 23 00-0510)*		
32 84 23 00-0575	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.85	1.50
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0576	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.62	1.79
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0577	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.61	2.27
		For >1,000, Deduct	*-0.48*	
32 84 23 00-0578	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.65	2.85
		For >1,000, Deduct	*-0.58*	
32 84 23 00-0579	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	14.29	3.32
		For >1,000, Deduct	*-0.71*	
32 84 23 00-0580	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	17.31	4.78
		For >1,000, Deduct	*-0.87*	
32 84 23 00-0581	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.73	5.98
		For >1,000, Deduct	*-1.09*	
32 84 23 00-0582	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	30.11	7.48
		For >1,000, Deduct	*-1.51*	
32 84 23 00-0583		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted** *(32 84 23 00-0510)*		
32 84 23 00-0584	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.13	1.50
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0585	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.90	1.79
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0586	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.89	2.27
		For >1,000, Deduct	*-0.49*	
32 84 23 00-0587	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.95	2.85
		For >1,000, Deduct	*-0.60*	
32 84 23 00-0588	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	14.57	3.32
		For >1,000, Deduct	*-0.73*	
32 84 23 00-0589	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	17.59	4.78
		For >1,000, Deduct	*-0.88*	
32 84 23 00-0590	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	22.02	5.98
		For >1,000, Deduct	*-1.10*	
32 84 23 00-0591	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	30.40	7.48
		For >1,000, Deduct	*-1.52*	
32 84 23 00-0592		**Irrigation Riser Piping With Fittings** *(32 84 23 00-0480)*		
32 84 23 00-0593	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.98	3.59
32 84 23 00-0594	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.52	4.49
32 84 23 00-0595	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	22.40	4.19
32 84 23 00-0596	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	24.31	5.23
32 84 23 00-0597	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	45.06	6.28
32 84 23 00-0598	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	47.75	7.85
32 84 23 00-0599	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	52.87	8.07
32 84 23 00-0600	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	56.34	10.10
32 84 23 00-0601	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	60.70	9.87
32 84 23 00-0602	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	64.92	12.34
32 84 23 00-0603		**Irrigation Crossover Piping With Fittings** *(32 84 23 00-0480)* Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0647 for irrigation wiring.		
32 84 23 00-0604		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench** *(32 84 23 00-0603)*		
32 84 23 00-0605	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	38.05	
		For >1,000, Deduct	*-1.90*	
32 84 23 00-0606	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	52.82	
		For >1,000, Deduct	*-2.64*	
32 84 23 00-0607	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	71.79	
		For >1,000, Deduct	*-3.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0608	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	94.02	
		For >1,000, Deduct	*-4.70*	
32 84 23 00-0609		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench** *(32 84 23 00-0603)*		
32 84 23 00-0610	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	38.90	
		For >1,000, Deduct	*-1.95*	
32 84 23 00-0611	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	53.77	
		For >1,000, Deduct	*-2.69*	
32 84 23 00-0612	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	72.82	
		For >1,000, Deduct	*-3.64*	
32 84 23 00-0613	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	95.15	
		For >1,000, Deduct	*-4.76*	
32 84 23 00-0614		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench** *(32 84 23 00-0603)*		
32 84 23 00-0615	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	39.75	
		For >1,000, Deduct	*-1.99*	
32 84 23 00-0616	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	54.72	
		For >1,000, Deduct	*-2.74*	
32 84 23 00-0617	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	73.87	
		For >1,000, Deduct	*-3.69*	
32 84 23 00-0618	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	96.28	
		For >1,000, Deduct	*-4.81*	
32 84 23 00-0619		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore** *(32 84 23 00-0603)*		
32 84 23 00-0620	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	100.71	
		For >1,000, Deduct	*-5.04*	
32 84 23 00-0621	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	128.17	
		For >1,000, Deduct	*-6.41*	
32 84 23 00-0622	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	153.37	
		For >1,000, Deduct	*-7.67*	
32 84 23 00-0623	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	181.85	
		For >1,000, Deduct	*-9.09*	
32 84 23 00-0624		**Below Ground Cam Adapter Assembly** *(32 84 23 00-0480)* Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0625	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	794.35	
32 84 23 00-0626		**Above Ground Cam Adapter Assembly** *(32 84 23 00-0480)* Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0627	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	490.53	
32 84 23 00-0628		**Thrust Block** *(32 84 23 00-0480)*		
32 84 23 00-0629	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	42.00	
32 84 23 00-0630	EA	Thrust Block For 2" Pipe	71.98	
32 84 23 00-0631	EA	Thrust Block For 3" And 4" Pipe	101.96	
32 84 23 00-0632	EA	Thrust Block For 6" Pipe	162.65	
32 84 23 00-0633	EA	Thrust Block For 8" Pipe	230.72	
32 84 23 00-0634		**Irrigation Swing Joints** *(32 84 23)*		
32 84 23 00-0635	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	66.06	23.81
32 84 23 00-0636	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	75.09	26.58
32 84 23 00-0637	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	99.37	26.58
32 84 23 00-0638	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	50.10	31.03
32 84 23 00-0639	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	66.95	41.40
32 84 23 00-0640	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	84.28	50.76
32 84 23 00-0641	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	71.22	31.52

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0642	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	94.18	41.81
32 84 23 00-0643	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	115.88	51.28
32 84 23 00-0644	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	40.34	19.30
32 84 23 00-0645	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	53.92	25.74
32 84 23 00-0646	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	64.12	31.91
32 84 23 00-0647		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0648		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0647)*		
32 84 23 00-0649	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	57.55	17.95
32 84 23 00-0650	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	75.57	20.94
32 84 23 00-0651	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	86.97	23.93
32 84 23 00-0652	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	99.58	26.92
32 84 23 00-0653	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	113.36	29.92
32 84 23 00-0654	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	135.62	32.90
32 84 23 00-0655	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	156.93	35.89
32 84 23 00-0656	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	170.52	38.88
32 84 23 00-0657	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	187.27	41.87
32 84 23 00-0658	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	206.51	44.86
32 84 23 00-0659	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	213.66	47.86
32 84 23 00-0660	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	222.06	50.85
32 84 23 00-0661	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	234.27	53.84
32 84 23 00-0662		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0647)*		
32 84 23 00-0663	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	60.75	17.95
32 84 23 00-0664		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0647)*		
32 84 23 00-0665	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	60.76	17.95
32 84 23 00-0666		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0647)*		
32 84 23 00-0667	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	81.92	17.95
32 84 23 00-0668		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0647)*		
32 84 23 00-0669	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	108.74	17.95
32 84 23 00-0670		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0671	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	105.78	23.93
		For Root Watering Sand Sock, Add	*5.78*	
32 84 23 00-0672	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	113.82	23.93
		For Root Watering Sand Sock, Add	*5.78*	
32 84 23 00-0673	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	105.78	23.93
		For Root Watering Sand Sock, Add	*5.78*	
32 84 23 00-0674	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	113.82	23.93
		For Root Watering Sand Sock, Add	*5.78*	
32 84 23 00-0675	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	113.82	23.93
		For Root Watering Sand Sock, Add	*5.78*	
32 84 23 00-0676	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	91.83	20.94
		For Root Watering Sand Sock, Add	*5.18*	
32 84 23 00-0677	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	99.54	20.94
		For Root Watering Sand Sock, Add	*5.18*	
32 84 23 00-0678	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	91.83	20.94
		For Root Watering Sand Sock, Add	*5.18*	
32 84 23 00-0679	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	99.54	20.94
		For Root Watering Sand Sock, Add	*5.18*	
32 84 23 00-0680	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	62.47	17.95
		For Root Watering Sand Sock, Add	*4.59*	
32 84 23 00-0681	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	69.81	17.95
		For Root Watering Sand Sock, Add	*4.59*	

32 90 Planting *(32)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch	130.73	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.53*	
		For >20 To 50, Deduct	*-15.79*	
		For >50, Deduct	*-22.33*	
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	128.69	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.42*	
		For >20 To 50, Deduct	*-15.64*	
		For >50, Deduct	*-22.07*	
32 91 13 16-0004	CY	Pine Wood Chip Mulch	124.62	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.22*	
		For >20 To 50, Deduct	*-15.33*	
		For >50, Deduct	*-21.56*	
32 91 13 16-0005	CY	Hardwood Chip Mulch	132.77	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.63*	
		For >20 To 50, Deduct	*-15.94*	
		For >50, Deduct	*-22.58*	
32 91 13 16-0006	CY	Shredded Hardwood Mulch	132.77	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.63*	
		For >20 To 50, Deduct	*-15.94*	
		For >50, Deduct	*-22.58*	
32 91 13 16-0007	CY	Shredded Pine Mulch	114.43	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-9.71*	
		For >20 To 50, Deduct	*-14.57*	
		For >50, Deduct	*-20.29*	
32 91 13 16-0008	CY	Shredded Cedar Mulch	154.16	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-11.70*	
		For >20 To 50, Deduct	*-17.55*	
		For >50, Deduct	*-25.25*	
32 91 13 16-0009	CY	Shredded Cypress Mulch	151.11	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-11.55*	
		For >20 To 50, Deduct	*-17.32*	
		For >50, Deduct	*-24.87*	
32 91 13 16-0010	CY	Shredded Redwood Mulch	159.26	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-11.95*	
		For >20 To 50, Deduct	*-17.93*	
		For >50, Deduct	*-25.89*	
32 91 13 16-0011	CY	Pea Gravel Mulch	131.17	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.55*	
		For >20 To 50, Deduct	*-15.82*	
		For >50, Deduct	*-22.38*	
32 91 13 16-0012	CY	Stone/Gravel Mulch, Marble Chips	322.71	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-20.13*	
		For >20 To 50, Deduct	*-30.19*	
		For >50, Deduct	*-46.32*	
32 91 13 16-0013	CY	Stone Mulch, Decomposed Granite Chips	132.94	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >5 To 20, Deduct	*-10.64*	
		For >20 To 50, Deduct	*-15.95*	
		For >50, Deduct	*-22.60*	
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch	244.06	
		For Work On Slopes >2.5:1, Add	*20.29*	
		For >5 To 20, Deduct	*-17.27*	
		For >20 To 50, Deduct	*-25.91*	
		For >50, Deduct	*-38.11*	
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch	384.66	
		For Work On Slopes >2.5:1, Add	*20.29*	
		For >5 To 20, Deduct	*-24.30*	
		For >20 To 50, Deduct	*-36.46*	
		For >50, Deduct	*-55.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch	386.69	
		For Work On Slopes >2.5:1, Add	*20.29*	
		For >5 To 20, Deduct	*-24.41*	
		For >20 To 50, Deduct	*-36.61*	
		For >50, Deduct	*-55.94*	
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch	667.88	
		For Work On Slopes >2.5:1, Add	*20.29*	
		For >5 To 20, Deduct	*-38.47*	
		For >20 To 50, Deduct	*-57.70*	
		For >50, Deduct	*-91.09*	
32 91 13 16-0018	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	11.52	
		For Work On Slopes >2.5:1, Add	*0.88*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.02*	
		For >500, Deduct	*-1.37*	
32 91 13 16-0019	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	11.68	
		For Work On Slopes >2.5:1, Add	*0.66*	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-0.92*	
		For >500, Deduct	*-1.33*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	101.36	
		For Work On Slopes >2.5:1, Add	*15.96*	
		For >100 To 1,000, Deduct	*-17.04*	
		For >1,000, Deduct	*-26.09*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.25	
		For Work On Slopes >2.5:1, Add	*0.25*	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.44	
		For Work On Slopes >2.5:1, Add	*0.29*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.68	
		For Work On Slopes >2.5:1, Add	*0.34*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.55	
		For Work On Slopes >2.5:1, Add	*1.11*	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.37	
		For Work On Slopes >2.5:1, Add	*1.27*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.49	
		For Work On Slopes >2.5:1, Add	*1.50*	

32 91 13 26-0008 Plant Bed Preparation With Humic Compost *(32 91 13 26)*

32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.36	
		For Work On Slopes >2.5:1, Add	*0.26*	
		For >1,000 To 5,000, Deduct	*-0.20*	
		For >5,000 To 10,000, Deduct	*-0.33*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.92*	
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.69	
		For Work On Slopes >2.5:1, Add	*0.31*	
		For >1,000 To 5,000, Deduct	*-0.23*	
		For >5,000 To 10,000, Deduct	*-0.39*	
		For >10,000 To 20,000, Deduct	*-0.79*	
		For >20,000, Deduct	*-1.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)	2.02	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	*0.37*	
		For >1,000 To 5,000, Deduct	*-0.27*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000 To 20,000, Deduct	*-0.92*	
		For >20,000, Deduct	*-1.30*	
32 91 13 26-0012		**Planting Pit Preparation** *(32 91 13 26)*		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil	95.90	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*19.18*	
32 91 13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil	191.81	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*38.36*	
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil	15.77	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*3.15*	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil	20.52	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*4.10*	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	85.23	
		For Work On Slopes >2.5:1, Add	*17.05*	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	125.42	
		For Work On Slopes >2.5:1, Add	*15.77*	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.44	
		For Work On Slopes >2.5:1, Add	*1.69*	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	68.48	
		For Work On Slopes >2.5:1, Add	*4.38*	
32 91 13 26-0021		**Weed Barrier** *(32 91 13 26)*		
32 91 13 26-0022	SY	Up To 3 Oz./SY Non-Woven, Polypropylene Weed Barrier	2.52	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0023	SY	4 Oz./SY Woven, Polypropylene Weed Barrier	3.43	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0024	SY	5 Oz./SY Woven, Needle Punched Polypropylene Weed Barrier	3.83	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 33		**Soil Conditioners** *(32 91 13)*		
32 91 13 33-0001		**Spread Soil Conditioners** *(32 91 13 33)*		
32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.49	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	47.87	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	8.06	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.50	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	6.17	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	9.03	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.35	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	453.04	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	4.04	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	442.54	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.23	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.64	
32 91 13 36		**Lawn Bed Preparation** *(32 91 13)*		
32 91 13 36-0001		**Lawn Bed Preparation** *(32 91 13 36)*		
32 91 13 36-0002	MSF	Rake Topsoil With Machine	97.79	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	76.71	
32 91 13 36-0004	MSF	Screen Loam By Hand	51.15	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.27	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.42	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.56	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	35.62	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	60.52	
		For >45 to 225, Deduct	*-42.36*	
		For >225, Deduct	*-54.47*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	100.86	
		For >45 to 225, Deduct	*-70.60*	
		For >225, Deduct	*-90.77*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.46	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	11.07	
		For Work On Slopes >2.5:1, Add	*2.21*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.82	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.98	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.36	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.47	
		For Work On Slopes >2.5:1, Add	*1.29*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.74	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 36-0020	SY	Pile Sod By Hand	3.83	
		For Work On Slopes >2.5:1, Add	*0.77*	
32 91 13 36-0021	SY	Pile Sod With Machine	1.38	
		For Work On Slopes >2.5:1, Add	*0.28*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.83
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.77

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	12.39
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	8.26

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	9.41
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	73.20

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0039 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	4.14	
		For Unscreened, Deduct	*-0.49*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	7.93	
		For Unscreened, Deduct	*-0.98*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	11.45	
		For Unscreened, Deduct	*-1.47*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	16.47	
		For Unscreened, Deduct	*-2.20*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	21.51	
		For Unscreened, Deduct	*-2.93*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	58.53	
		For Unscreened, Deduct	*-8.79*	

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	73.78
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	51.64
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	30.35

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*

Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	247.21
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	33.66
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	24.97

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	189.65
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	26.37
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	18.72

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	159.71
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	17.86
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	11.97

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw. See CSI section 32 91 13 16-0019 for wheat straw mulch.

32 92 19 13-0002	MSF	Standard Lawn, Tractor Spreader Note: 5.5 Lbs./MSF spread rate. Seed shall be all Tall Fescue: 33% Cochise#4, 33% Bulls Eye, and 33% Rambler or equal new varieties.	67.17
32 92 19 13-0003	MSF	No Mow Lawn, Tractor Spreader Note: 4.6 Lbs./MSF spread rate. Seed shall be Ohio Prairie Nursery No. LMLMO2, Freedom Lawn II Seed Mix: 25% Annual Ryegrass, 23% Creeping Red Fescue, 23%VNS Hard Fescue, 5% Kentucky Bluegrass.	55.62
32 92 19 13-0004	MSF	Native Prairie, Tractor Spreader Note: 0.551 Lbs./MSF spread rate. Seed shall be Ohio Prairie Nursery No. MSG01, Mesic Short Grass Seed Mix: 25% Nodding Wild Rye, 25% Little Bluestem, 25% Side-oats Grama, 25% Prairie Dropseed.	60.70
32 92 19 13-0005	MSF	Common Bluegrass, Tractor Spreader Note: 4 Lbs./MSF spread rate.	50.98
32 92 19 13-0006	MSF	Tall Fescue, Tractor Spreader Note: 5.5 Lbs./MSF spread rate.	40.63
32 92 19 13-0007	MSF	Rye, Tractor Spreader Note: 10 Lbs./MSF spread rate.	41.37
32 92 19 13-0008	MSF	Shade Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	45.09
32 92 19 13-0009	MSF	Turf Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	47.77
32 92 19 13-0010	MSF	Slope Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate.	44.20
32 92 19 13-0011	MSF	Utility Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	39.75
32 92 19 13-0012	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 Lbs./MSF spread rate.	31.36
32 92 19 13-0013	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate.	97.73
32 92 19 13-0014	MSF	Athletic Mix, Tractor Spreader Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	58.48
32 92 19 13-0015	MSF	White Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	31.27
32 92 19 13-0016	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	34.83
32 92 19 13-0017	MSF	Bermuda, Tractor Spreader Note: 10 Lbs./MSF spread rate.	50.12

32 92 19 13-0018 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0019	MSF	Standard Lawn, Hydro Or Air Seeding Note: 5.5 Lbs./MSF spread rate. Seed shall be all Tall Fescue: 33% Cochise#4, 33% Bulls Eye, and 33% Rambler or equal new varieties.	103.55
		For Spot Areas Up To 1, Add	*110.43*
		For >1 To 4, Add	*70.90*
		For >4 To 7.5, Add	*48.00*
		For >7.5 To 10, Add	*24.00*
		For >45, Deduct	*-8.31*
32 92 19 13-0020	MSF	No Mow Lawn, Hydro Or Air Seeding Note: 4.6 Lbs./MSF spread rate. Seed shall be Ohio Prairie Nursery No. LMLMO2, Freedom Lawn II Seed Mix: 25% Annual Ryegrass, 23% Creeping Red Fescue, 23%VNS Hard Fescue, 5%.	92.00
		For Spot Areas Up To 1, Add	*105.81*
		For >1 To 4, Add	*68.59*
		For >4 To 7.5, Add	*46.84*
		For >7.5 To 10, Add	*23.42*
		For >45, Deduct	*-7.74*
32 92 19 13-0021	MSF	Native Prarie, Hydro Or Air Seeding Note: 0.551 Lbs./MSF spread rate. Seed shall be Ohio Prairie Nursery No. MSG01, Mesic Short Grass Seed Mix: 25% Nodding Wild Rye, 25% Little Bluestem, 25% Side-oats Grama, 25% Prairie.	97.08
		For Spot Areas Up To 1, Add	*107.85*
		For >1 To 4, Add	*69.61*
		For >4 To 7.5, Add	*47.35*
		For >7.5 To 10, Add	*23.68*
		For >45, Deduct	*-7.99*
32 92 19 13-0022	MSF	Bermuda, Hydro Or Air Seeding Note: 10 Lbs./MSF spread rate.	86.50
		For Spot Areas Up To 1, Add	*103.61*
		For >1 To 4, Add	*67.49*
		For >4 To 7.5, Add	*46.29*
		For >7.5 To 10, Add	*23.15*
		For >45, Deduct	*-7.46*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0023	MSF	Common Bluegrass, Hydro Or Air Seeding	103.78	
		Note: 4 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*110.53*	
		For >1 To 4, Add	*70.95*	
		For >4 To 7.5, Add	*48.02*	
		For >7.5 To 10, Add	*24.01*	
		For >45, Deduct	*-8.33*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0024	MSF	Tall Fescue, Hydro Or Air Seeding	110.02	
		Note: 5.5 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*113.02*	
		For >1 To 4, Add	*72.20*	
		For >4 To 7.5, Add	*48.65*	
		For >7.5 To 10, Add	*24.32*	
		For >45, Deduct	*-8.64*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0025	MSF	Rye, Hydro Or Air Spread	104.04	
		Note: 10 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*110.63*	
		For >1 To 4, Add	*71.00*	
		For >4 To 7.5, Add	*48.05*	
		For >7.5 To 10, Add	*24.02*	
		For >45, Deduct	*-8.34*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0026	MSF	Shade Mix, Hydro Or Air Seeding	103.78	
		Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For Spot Areas Up To 1, Add	*110.53*	
		For >1 To 4, Add	*70.95*	
		For >4 To 7.5, Add	*48.02*	
		For >7.5 To 10, Add	*24.01*	
		For >45, Deduct	*-8.33*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0027	MSF	Turf Mix, Hydro Or Air Seeding	110.02	
		Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For Spot Areas Up To 1, Add	*113.02*	
		For >1 To 4, Add	*72.20*	
		For >4 To 7.5, Add	*48.65*	
		For >7.5 To 10, Add	*24.32*	
		For >45, Deduct	*-8.64*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0028	MSF	Slope Mix, Hydro Or Air Seeding	107.34	
		Note: 6 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*111.95*	
		For >1 To 4, Add	*71.66*	
		For >4 To 7.5, Add	*48.38*	
		For >7.5 To 10, Add	*24.19*	
		For >45, Deduct	*-8.50*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0029	MSF	Utility Mix, Hydro Or Air Seeding	105.19	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*111.09*	
		For >1 To 4, Add	*71.23*	
		For >4 To 7.5, Add	*48.16*	
		For >7.5 To 10, Add	*24.08*	
		For >45, Deduct	*-8.40*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0030	MSF	Wild Flower Mix, Hydro Or Air Seeding	98.24	
		Note: 0.10 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*108.31*	
		For >1 To 4, Add	*69.84*	
		For >4 To 7.5, Add	*47.47*	
		For >7.5 To 10, Add	*23.73*	
		For >45, Deduct	*-8.05*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0031	MSF	Crown Vetch Mix, Hydro Or Air Seeding	160.87	
		Note: 4 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*133.36*	
		For >1 To 4, Add	*82.37*	
		For >4 To 7.5, Add	*53.73*	
		For >7.5 To 10, Add	*26.87*	
		For >45, Deduct	*-11.18*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0032	MSF	Athletic Mix, Hydro Or Air Seeding	141.26	
		Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*125.52*	
		For >1 To 4, Add	*78.44*	
		For >4 To 7.5, Add	*51.77*	
		For >7.5 To 10, Add	*25.89*	
		For >45, Deduct	*-10.20*	
		For Tackifier, Add	*4.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0033	MSF	White Clover Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate.	89.77	
		For Spot Areas Up To 1, Add	*104.92*	
		For >1 To 4, Add	*68.15*	
		For >4 To 7.5, Add	*46.62*	
		For >7.5 To 10, Add	*23.31*	
		For >45, Deduct	*-7.63*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0034	MSF	Ladino Clover Mix, Hydro Or Air Seeding Note: 7 Lbs./MSF spread rate.	100.21	
		For Spot Areas Up To 1, Add	*109.10*	
		For >1 To 4, Add	*70.23*	
		For >4 To 7.5, Add	*47.67*	
		For >7.5 To 10, Add	*23.83*	
		For >45, Deduct	*-8.15*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0035	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread Note: 4 Lbs./MSF spread rate.	105.56	
		For Spot Areas Up To 1, Add	*111.24*	
		For >1 To 4, Add	*71.30*	
		For >4 To 7.5, Add	*48.20*	
		For >7.5 To 10, Add	*24.10*	
		For >45, Deduct	*-8.42*	
		For Tackifier, Add	*4.57*	
32 92 19 13-0036	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	130.98	
		For >45, Deduct	*-8.12*	
32 92 19 13-0037	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	152.47	
		For >45, Deduct	*-9.27*	
32 92 19 13-0038	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	174.04	
		For >45, Deduct	*-10.43*	
32 92 19 13-0039	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	195.67	
		For >45, Deduct	*-11.60*	
32 92 19 13-0040	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium Note: Applied with seed. Excludes seed.	217.41	
		For >45, Deduct	*-12.78*	

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw. See CSI section 32 91 13 16-0019 for wheat straw mulch.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand Note: 4 Lbs./MSF spread rate.	120.51	
		For >5 To 20, Deduct	*-8.42*	
		For >20 To 45, Deduct	*-16.23*	
		For >45, Deduct	*-26.43*	
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand Note: 5.5 Lbs./MSF spread rate.	110.16	
		For >5 To 20, Deduct	*-7.91*	
		For >20 To 45, Deduct	*-15.45*	
		For >45, Deduct	*-25.40*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 Lbs./MSF spread rate.	110.90	
		For >5 To 20, Deduct	*-7.94*	
		For >20 To 45, Deduct	*-15.51*	
		For >45, Deduct	*-25.47*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	114.62	
		For >5 To 20, Deduct	*-8.13*	
		For >20 To 45, Deduct	*-15.79*	
		For >45, Deduct	*-25.85*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	117.30	
		For >5 To 20, Deduct	*-8.26*	
		For >20 To 45, Deduct	*-15.99*	
		For >45, Deduct	*-26.11*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 Lbs./MSF spread rate.	113.73	
		For >5 To 20, Deduct	*-8.08*	
		For >20 To 45, Deduct	*-15.72*	
		For >45, Deduct	*-25.76*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	109.28	
		For >5 To 20, Deduct	*-7.86*	
		For >20 To 45, Deduct	*-15.39*	
		For >45, Deduct	*-25.31*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 Lbs./MSF spread rate.	100.89	
		For >5 To 20, Deduct	*-7.44*	
		For >20 To 45, Deduct	*-14.76*	
		For >45, Deduct	*-24.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	167.26	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.76*	
		For >20 To 45, Deduct	*-19.74*	
		For >45, Deduct	*-31.11*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	128.01	
		Note: 8 Lbs./MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-8.80*	
		For >20 To 45, Deduct	*-16.79*	
		For >45, Deduct	*-27.18*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	100.80	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.44*	
		For >20 To 45, Deduct	*-14.75*	
		For >45, Deduct	*-24.46*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	104.36	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.62*	
		For >20 To 45, Deduct	*-15.02*	
		For >45, Deduct	*-24.82*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	122.21	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.51*	
		For >20 To 45, Deduct	*-16.36*	
		For >45, Deduct	*-26.60*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	117.30	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.26*	
		For >20 To 45, Deduct	*-15.99*	
		For >45, Deduct	*-26.11*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	113.73	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.08*	
		For >20 To 45, Deduct	*-15.72*	
		For >45, Deduct	*-25.76*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	120.87	
		Note: 4.4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.44*	
		For >20 To 45, Deduct	*-16.26*	
		For >45, Deduct	*-26.47*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	115.52	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.17*	
		For >20 To 45, Deduct	*-15.86*	
		For >45, Deduct	*-25.94*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	117.30	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.26*	
		For >20 To 45, Deduct	*-15.99*	
		For >45, Deduct	*-26.11*	
32 92 19 19-0020	MSF	Bermuda, Push Spreader Or Hand	119.65	
		Note: 10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.38*	
		For >20 To 45, Deduct	*-16.17*	
		For >45, Deduct	*-26.35*	

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,673.01
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,411.22
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,201.65
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	1,052.27
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,050.29
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,730.53
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,421.93
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,239.60

32 92 23 00-0010 Zoysia Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	2,427.88
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	1,975.40
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	1,671.80
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	1,428.39
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,802.53
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,294.71
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,892.08
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,615.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0019		**Tall Fescue Sod** *(32 92 23)*		
32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,393.05	
		For Hybrid Fescue "Marathon", Add	*159.99*	
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,949.28	
		For Hybrid Fescue "Marathon", Add	*120.56*	
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,650.03	
		For Hybrid Fescue "Marathon", Add	*100.84*	
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,410.98	
		For Hybrid Fescue "Marathon", Add	*81.13*	
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,767.70	
		For Hybrid Fescue "Marathon", Add	*159.99*	
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,268.59	
		For Hybrid Fescue "Marathon", Add	*120.56*	
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,870.31	
		For Hybrid Fescue "Marathon", Add	*100.84*	
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,598.31	
		For Hybrid Fescue "Marathon", Add	*81.13*	
32 92 23 00-0028		**Centipede Sod** *(32 92 23)*		
32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	2,137.09	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,757.31	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	1,490.05	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	1,283.00	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,511.74	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,076.62	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,710.33	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,470.33	
32 92 23 00-0037		**Kentucky Blue Grass Sod** *(32 92 23)*		
32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	2,034.54	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,680.40	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,425.96	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,231.72	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,409.19	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,999.71	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,646.24	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,419.05	
32 92 23 00-0046		**Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar** *(32 92 23)*		
32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,880.73	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,565.04	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,329.83	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,154.82	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	2,255.38	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,884.35	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,550.11	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,342.15	
32 92 23 00-0055		**GN-1 Sod** *(32 92 23)*		
32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	2,413.17	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	1,964.37	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	1,662.60	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	1,421.04	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,787.82	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,283.68	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,882.88	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,608.37	
32 92 23 00-0064		**Tifgreen Bermuda Sod** *(32 92 23)*		
32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,529.52	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,051.63	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,735.32	
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,479.21	
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,904.17	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,370.94	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,955.60	
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,666.54	
32 92 23 00-0073		**Amigo Sod** *(32 92 23)*		
32 92 23 00-0074	MSF	Up To 1,000 SF, Amigo Sod, Installed On Level Ground	1,824.89	
32 92 23 00-0075	MSF	>1,000 To 4,000 SF, Amigo Sod, Installed On Level Ground	1,523.16	
32 92 23 00-0076	MSF	>4,000 To 8,000 SF, Amigo Sod, Installed On Level Ground	1,294.93	
32 92 23 00-0077	MSF	>8,000 SF, Amigo Sod, Installed On Level Ground	1,126.90	
32 92 23 00-0078	MSF	Up To 1,000 SF, Amigo Sod, Installed On Sloped (>1:6) Ground With Stakes	2,199.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0079	MSF	>1,000 To 4,000 SF, Amigo Sod, Installed On Sloped (>1:6) Ground With Stakes	1,842.47	
32 92 23 00-0080	MSF	>4,000 To 8,000 SF, Amigo Sod, Installed On Sloped (>1:6) Ground With Stakes	1,515.21	
32 92 23 00-0081	MSF	>8,000 SF, Amigo Sod, Installed On Sloped (>1:6) Ground With Stakes	1,314.23	

32 92 23 00-0082 Bahia Argentine Sod *(32 92 23)*

32 92 23 00-0083	MSF	Up To 1,000 SF, Bahia Argentine Sod, Installed On Level Ground	1,496.19	
32 92 23 00-0084	MSF	>1,000 To 4,000 SF, Bahia Argentine Sod, Installed On Level Ground	1,274.88	
32 92 23 00-0085	MSF	>4,000 To 8,000 SF, Bahia Argentine Sod, Installed On Level Ground	1,087.74	
32 92 23 00-0086	MSF	>8,000 SF, Bahia Argentine Sod, Installed On Level Ground	968.69	
32 92 23 00-0087	MSF	Up To 1,000 SF, Bahia Argentine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,870.84	
32 92 23 00-0088	MSF	>1,000 To 4,000 SF, Bahia Argentine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,595.94	
32 92 23 00-0089	MSF	>4,000 To 8,000 SF, Bahia Argentine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,309.77	
32 92 23 00-0090	MSF	>8,000 SF, Bahia Argentine Sod, Installed On Sloped (>1:6) Ground With Stakes	1,149.88	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ground Covers *(32 93 13)*

32 93 13 00-0002	EA	1 Gallon Agave Attenuata - Century Plant	13.05	
32 93 13 00-0003	EA	5 Gallon Agave Attenuata - Century Plant	35.17	
32 93 13 00-0004	EA	15 Gallon Agave Attenuata - Century Plant	116.30	
32 93 13 00-0005	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	11.13	
32 93 13 00-0006	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	30.98	
32 93 13 00-0007	EA	1 Gallon Ceanothus 'Yankee Point' - Wild Lilac	11.13	
32 93 13 00-0008	EA	5 Gallon Ceanothus 'Yankee Point' - Wild Lilac	28.94	
32 93 13 00-0009	EA	1 Gallon Dietes Vegata - Fortnight Lily	9.76	
32 93 13 00-0010	EA	5 Gallon Dietes Vegata - Fortnight Lily	24.05	
32 93 13 00-0011	EA	1 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	18.13	
32 93 13 00-0012	EA	5 Gallon Juncus Patens ' Elk Blue' - California Gray Rush	47.63	
32 93 13 00-0013	EA	4" Pot Miscanthus 'Morning Light' - NCN	13.59	
32 93 13 00-0014	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	200.52	
32 93 13 00-0015	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	18.13	
32 93 13 00-0016	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	9.86	
32 93 13 00-0017	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	24.70	
32 93 13 00-0018	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	9.76	
32 93 13 00-0019	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	24.05	
32 93 13 00-0020	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	98.71	
32 93 13 00-0021	EA	1 Gallon Acmispon galaber - Common Deerweed	18.92	
32 93 13 00-0022	EA	1 Gallon Acacia redolens - Bank Catclaw	7.84	
32 93 13 00-0023	EA	5 Gallon Acacia redolens - Bank Catclaw	24.32	
32 93 13 00-0024	EA	15 Gallon Acacia redolens - Bank Catclaw	94.58	
32 93 13 00-0025	EA	1 Gallon Achillea filipendulina - Fernleaf Yarrow	11.62	
32 93 13 00-0026	EA	1 Gallon Achillea millefolium - Common Yarrow	10.54	
32 93 13 00-0027	EA	5 Gallon Achillea millefolium - Common Yarrow	32.43	
32 93 13 00-0028	EA	1 Gallon Achillea millefolium 'Paprika' - Red Yarrow	11.62	
32 93 13 00-0029	EA	1 Gallon Achillea 'Moonshine' - Yellow yarrow	11.62	
32 93 13 00-0030	EA	1 Gallon Agave americana - Century Plant	15.94	
32 93 13 00-0031	EA	5 Gallon Agave americana - Century Plant	43.24	
32 93 13 00-0032	EA	15 Gallon Agave americana - Century Plant	132.42	
32 93 13 00-0033	EA	24" Box Agave americana - Century Plant	472.92	
32 93 13 00-0034	EA	1 Gallon Agave vilmoriniana - Octopus Agave	15.94	
32 93 13 00-0035	EA	5 Gallon Agave vilmoriniana - Octopus Agave	43.24	
32 93 13 00-0036	EA	15 Gallon Agave vilmoriniana - Octopus Agave	132.42	
32 93 13 00-0037	EA	24" Box Agave vilmoriniana - Octopus Agave	472.92	
32 93 13 00-0038	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	14.20	
32 93 13 00-0039	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	24.62	
32 93 13 00-0040	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	50.18	
32 93 13 00-0041	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	65.33	
32 93 13 00-0042	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	82.69	
32 93 13 00-0043	EA	1 Quart Waldsteinia ternata - Barren Strawberry	14.20	
32 93 13 00-0044	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	34.08	
32 93 13 00-0045	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	46.39	
32 93 13 00-0046	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	88.05	
32 93 13 00-0047	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	155.27	
32 93 13 00-0048	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	15.89	
32 93 13 00-0049	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	29.35	
32 93 13 00-0050	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	103.20	
32 93 13 00-0051	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	38.52	
32 93 13 00-0052	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	18.93	
32 93 13 00-0053	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	43.17	
32 93 13 00-0054	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	118.15	
32 93 13 00-0055	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	49.65	
32 93 13 00-0056	EA	1 Quart Iberis sempervirens - Candytuft	14.20	
32 93 13 00-0057	EA	1 Gallon Iberis sempervirens - Candytuft	34.08	
32 93 13 00-0058	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	40.90	
32 93 13 00-0059	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	147.69	
32 93 13 00-0060	EA	3" Pot Ajuga reptans - Carpet Bugle	8.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0061	EA	1 Quart Ajuga reptans - Carpet Bugle	14.20	
32 93 13 00-0062	EA	1 Gallon Ajuga reptans - Carpet Bugle	34.08	
32 93 13 00-0063	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	146.74	
32 93 13 00-0064	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	34.08	
32 93 13 00-0065	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	147.69	
32 93 13 00-0066	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	44.50	
32 93 13 00-0067	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	98.47	
32 93 13 00-0068	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	147.69	
32 93 13 00-0069	EA	1 Gallon Ranunculaceae - Clematis Varieties	48.92	
32 93 13 00-0070	EA	2 Gallon Ranunculaceae - Clematis Varieties	90.47	
32 93 13 00-0071	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	61.54	
32 93 13 00-0072	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	115.50	
32 93 13 00-0073	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	189.35	
32 93 13 00-0074	EA	4" Pot Lantana camera - Common Lantana	8.52	
32 93 13 00-0075	EA	1 Gallon Lantana camera - Common Lantana	24.62	
32 93 13 00-0076	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	29.35	
32 93 13 00-0077	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	96.57	
32 93 13 00-0078	EA	2 Quart Lysimachia nummularia - Creeping Jenny	14.20	
32 93 13 00-0079	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	27.46	
32 93 13 00-0080	EA	2 Quart Liriope spicata - Creeping Lilytuft	24.62	
32 93 13 00-0081	EA	1 Gallon Liriope spicata - Creeping Lilytuft	44.50	
32 93 13 00-0082	EA	5 Gallon Liriope spicata - Creeping Lilytuft	93.73	
32 93 13 00-0083	EA	Bare Root Liriope spicata - Creeping Liriope	6.21	
32 93 13 00-0084	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	8.52	
32 93 13 00-0085	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	34.08	
32 93 13 00-0086	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.68	
32 93 13 00-0087	EA	50 Plant Flat Securigera varia - Crown Vetch	192.19	
32 93 13 00-0088	EA	1 Quart Senecio cineraria - Dusty Miller	14.20	
32 93 13 00-0089	EA	1 Gallon Senecio cineraria - Dusty Miller	34.08	
32 93 13 00-0090	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	118.34	
32 93 13 00-0091	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	216.80	
32 93 13 00-0092	EA	1 Gallon Ilex cornuta - Dwarf Holly	25.71	
32 93 13 00-0093	EA	3 Gallon Ilex cornuta - Dwarf Holly	55.10	
32 93 13 00-0094	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	55.10	
32 93 13 00-0095	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	18.37	
32 93 13 00-0096	EA	2" To 3" Pot Hedera helix - English Ivy	8.52	
32 93 13 00-0097	EA	12" To 15" Runners Hedera helix - English Ivy	14.20	
32 93 13 00-0098	EA	1 Gallon Hedera helix - English Ivy	34.08	
32 93 13 00-0099	EA	50 Plant Flat Hedera helix - English Ivy	196.92	
32 93 13 00-0100	EA	4" Pot Lavandula angustifolia - English Lavender	12.31	
32 93 13 00-0101	EA	1 Quart Lavandula angustifolia - English Lavender	23.67	
32 93 13 00-0102	EA	1 Gallon Lavandula angustifolia - English Lavender	38.82	
32 93 13 00-0103	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	36.92	
32 93 13 00-0104	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	73.85	
32 93 13 00-0105	EA	1 Quart Arundo donax - Giant Reed	45.45	
32 93 13 00-0106	EA	1 Gallon Arundo donax - Giant Reed	65.33	
32 93 13 00-0107	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	38.82	
32 93 13 00-0108	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	73.85	
32 93 13 00-0109	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	50.18	
32 93 13 00-0110	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	75.74	
32 93 13 00-0111	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	8.52	
32 93 13 00-0112	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	38.82	
32 93 13 00-0113	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	73.85	
32 93 13 00-0114	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	34.08	
32 93 13 00-0115	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	113.61	
32 93 13 00-0116	EA	3 Gallon Hibiscus, Assorted Colors	44.39	
32 93 13 00-0117	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	35.50	
32 93 13 00-0118	EA	1 Gallon Jasminum volubile - Wax Jasmine	17.88	
32 93 13 00-0119	EA	1 Gallon Jasminum volubile - Wax Jasmine	44.39	
32 93 13 00-0120	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	22.30	
32 93 13 00-0121	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	49.65	
32 93 13 00-0122	EA	1 Gallon Cissus antarctica - Kangaroo Vine	27.46	
32 93 13 00-0123	EA	5 Gallon Cissus antarctica - Kangaroo Vine	86.15	
32 93 13 00-0124	EA	1 Quart Stachys byzantina - Lamb's Ear	14.20	
32 93 13 00-0125	EA	1 Quart Stachys byzantina - Lamb's Ear	34.08	
32 93 13 00-0126	EA	1 Gallon Lantana spp. Various Colors	20.09	
32 93 13 00-0127	EA	1 Gallon Lantana sellowiana - Trailing Lantana	13.22	
32 93 13 00-0128	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	27.46	
32 93 13 00-0129	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	98.46	
32 93 13 00-0130	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	20.09	
32 93 13 00-0131	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	25.35	
32 93 13 00-0132	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	40.54	
32 93 13 00-0133	EA	1 Quart Moss Phlox, Creeping Phlox	14.20	
32 93 13 00-0134	EA	1 Gallon Moss Phlox, Creeping Phlox	34.08	
32 93 13 00-0135	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	17.88	
32 93 13 00-0136	EA	4" Pot Ophiopogon Japonicus - Mondo grass	8.52	
32 93 13 00-0137	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	34.08	
32 93 13 00-0138	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	78.58	
32 93 13 00-0139	EA	2' To 3' High Oregon Holly-Grape	39.34	
32 93 13 00-0140	EA	1 Gallon Pachysandra terminalis - Pachysandra	51.25	
32 93 13 00-0141	EA	2-1/4" Pot Vinca minor - Periwinkle	4.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0142	EA	4" Pot Vinca minor - Periwinkle	14.20	
32 93 13 00-0143	EA	Bare Root Vinca minor - Periwinkle	4.73	
32 93 13 00-0144	EA	1 Quart Nepeta mussinii - Persian Catmint	14.20	
32 93 13 00-0145	EA	1 Gallon Nepeta mussinii - Persian Catmint	29.35	
32 93 13 00-0146	EA	5 Gallon Nolina parryi - Giant Nolina	43.24	
32 93 13 00-0147	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	23.67	
32 93 13 00-0148	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	86.15	
32 93 13 00-0149	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	38.82	
32 93 13 00-0150	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	83.31	
32 93 13 00-0151	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	123.08	
32 93 13 00-0152	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	33.80	
32 93 13 00-0153	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	87.60	
32 93 13 00-0154	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	146.75	
32 93 13 00-0155	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	17.88	
32 93 13 00-0156	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	19.88	
32 93 13 00-0157	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	35.50	
32 93 13 00-0158	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	55.39	
32 93 13 00-0159	EA	1 Gallon Hymenocallis latifolia - Spider Lily	22.04	
32 93 13 00-0160	EA	3 Gallon Hymenocallis latifolia - Spider Lily	58.77	
32 93 13 00-0161	EA	1 Quart Hypericum perforatum - St. John's Wort	14.20	
32 93 13 00-0162	EA	1 Gallon Hypericum perforatum - St. John's Wort	34.08	
32 93 13 00-0163	EA	5 Gallon Hypericum perforatum - St. John's Wort	88.05	
32 93 13 00-0164	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	119.82	
32 93 13 00-0165	EA	1 Gallon Campsis radicans - Trumpet Creeper	52.07	
32 93 13 00-0166	EA	2 Gallon Campsis radicans - Trumpet Creeper	78.58	
32 93 13 00-0167	EA	5 Gallon Campsis radicans - Trumpet Creeper	189.35	
32 93 13 00-0168	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.73	
32 93 13 00-0169	EA	4" Pot Vinca major - Variegated Greater Periwinkle	14.20	
32 93 13 00-0170	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.73	
32 93 13 00-0171	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	25.56	
32 93 13 00-0172	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	35.50	
32 93 13 00-0173	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	55.39	
32 93 13 00-0174	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	38.82	
32 93 13 00-0175	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	17.99	
32 93 13 00-0176	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	27.46	
32 93 13 00-0177	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	168.74	
32 93 13 00-0178	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	8.52	
32 93 13 00-0179	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	44.50	
32 93 13 00-0180	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	34.08	
32 93 13 00-0181	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	68.17	
32 93 13 00-0182	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	118.34	
32 93 13 00-0183	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	27.46	
32 93 13 00-0184	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	93.73	
32 93 13 00-0185	EA	Flat Hedera canariensis - Algerian Ivy	26.50	
32 93 13 00-0186	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	7.00	
32 93 13 00-0187	EA	Flat Gazania 'Copper King'	21.73	
32 93 13 00-0188	EA	1 Gallon Gazania 'Copper King'	7.42	
32 93 13 00-0189	EA	Flat Myoporum parvifolium - Myoporum	26.50	
32 93 13 00-0190	EA	1 Gallon Myoporum parvifolium - Myoporum	7.42	
32 93 13 00-0191	EA	5 Gallon Myoporum parvifolium - Myoporum	21.20	
32 93 13 00-0192	EA	1 Gallon Lantana montevidensis - Purple Lantana	7.42	
32 93 13 00-0193	EA	5 Gallon Lantana montevidensis - Purple Lantana	21.20	
32 93 13 00-0194	EA	Flat Carpobrotus - Ice Plant	20.14	
32 93 13 00-0195	EA	1 Gallon Carpobrotus - Ice Plant	8.48	

32 93 13 00-0196 Ornamental Grasses *(32 93 13)*

32 93 13 00-0197	EA	1 Gallon, Cortaderia selloana - Pampas Grass	39.07	
32 93 13 00-0198	EA	2 Gallon, Cortaderia selloana - Pampas Grass	72.23	
32 93 13 00-0199	EA	3 Gallon, Cortaderia selloana - Pampas Grass	131.26	
32 93 13 00-0200	EA	5 Gallon, Cortaderia selloana - Pampas Grass	238.90	
32 93 13 00-0201	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	29.91	
32 93 13 00-0202	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	39.77	
32 93 13 00-0203	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	42.56	
32 93 13 00-0204	EA	1 Quart, Koeleria glauca - Blue Hair Grass	29.83	
32 93 13 00-0205	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	39.77	
32 93 13 00-0206	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	96.22	
32 93 13 00-0207	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	37.76	
32 93 13 00-0208	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	48.93	
32 93 13 00-0209	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	93.55	
32 93 13 00-0210	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	35.04	
32 93 13 00-0211	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	55.09	
32 93 13 00-0212	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	94.29	
32 93 13 00-0213	EA	1 Quart, Pennisetum setaceum - Fountain Grass	32.62	
32 93 13 00-0214	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	33.73	
32 93 13 00-0215	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	74.40	
32 93 13 00-0216	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	103.29	
32 93 13 00-0217	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	116.02	
32 93 13 00-0218	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	191.41	
32 93 13 00-0219	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	56.08	
32 93 13 00-0220	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	83.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0221	EA	1 Quart, Stipa gigantea - Giant Feather Grass	42.81	
32 93 13 00-0222	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	59.65	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	27.46	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	38.82	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	64.38	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	14.20	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	35.50	
32 93 23 00-0007	EA	1 Quart Balloon Flower	14.20	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	35.50	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	14.20	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	35.50	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	45.92	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	14.20	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	35.50	
32 93 23 00-0014	EA	1 Quart Blank Flower	14.20	
32 93 23 00-0015	EA	1 Gallon Blank Flower	32.66	
32 93 23 00-0016	EA	2 Gallon Blank Flower	45.92	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	14.20	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	35.50	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	24.14	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	40.71	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	14.20	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	35.50	
32 93 23 00-0023	EA	1 Quart Blue Star	25.56	
32 93 23 00-0024	EA	1 Gallon Blue Star	40.71	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	14.20	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	35.50	
32 93 23 00-0027	EA	4" Pot Columbine	8.52	
32 93 23 00-0028	EA	1 Quart Columbine	14.20	
32 93 23 00-0029	EA	1 Gallon Columbine	35.50	
32 93 23 00-0030	EA	1 Quart Common Globeflower	14.20	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	35.50	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	14.20	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	35.50	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	51.13	
32 93 23 00-0035	EA	1 Quart Diploid	17.99	
32 93 23 00-0036	EA	1 Gallon Diploid	40.71	
32 93 23 00-0037	EA	3 Gallon Diploid	70.06	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	20.27	
32 93 23 00-0039	EA	1 Quart Evans Begonia	25.56	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	45.92	
32 93 23 00-0041	EA	1 Quart False Dragonhead	14.20	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	35.50	
32 93 23 00-0043	EA	1 Quart False Spirea	14.20	
32 93 23 00-0044	EA	1 Gallon False Spirea	45.92	
32 93 23 00-0045	EA	3 Gallon False Spirea	63.43	
32 93 23 00-0046	EA	2 Quart False Sunflower	22.72	
32 93 23 00-0047	EA	1 Gallon False Sunflower	35.50	
32 93 23 00-0048	EA	2 Gallon False Sunflower	45.92	
32 93 23 00-0049	EA	1 Gallon Foxglove	32.66	
32 93 23 00-0050	EA	2 Gallon Foxglove	45.92	
32 93 23 00-0051	EA	3 Gallon Foxglove	66.27	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	57.49	
32 93 23 00-0053	EA	1 Quart Garden Phlox	14.20	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	35.50	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	30.29	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	61.07	
32 93 23 00-0057	EA	1 Quart Golden Star	14.20	
32 93 23 00-0058	EA	1 Gallon Golden Star	35.50	
32 93 23 00-0059	EA	1 Quart Goldenrod	14.20	
32 93 23 00-0060	EA	1 Gallon Goldenrod	35.50	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	66.12	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	8.52	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	14.20	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	35.50	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	12.31	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	20.36	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	32.66	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	50.65	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	80.95	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	106.52	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	8.52	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	25.56	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	45.92	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	5.05	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	7.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	32.61	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	20.36	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	40.71	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	168.74	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	27.93	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	53.03	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	53.76	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	8.52	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	14.20	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	35.50	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	14.20	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	35.50	
32 93 23 00-0088	EA	2 Quart Plantain Lily	27.46	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	38.82	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	64.38	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	121.67	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	25.56	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	35.50	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	45.92	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	14.20	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	35.50	
32 93 23 00-0097	EA	1 Quart Rose Mallow	27.93	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	50.65	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	86.63	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	54.13	
32 93 23 00-0101	EA	1 Quart Siberian Iris	24.14	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	45.92	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	63.43	
32 93 23 00-0104	EA	1 Quart Speedwell	14.20	
32 93 23 00-0105	EA	1 Gallon Speedwell	35.50	
32 93 23 00-0106	EA	1 Quart Tetraploid	35.50	
32 93 23 00-0107	EA	1 Gallon Tetraploid	66.27	
32 93 23 00-0108	EA	3 Gallon Tetraploid	90.42	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	14.20	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	35.50	
32 93 23 00-0111	EA	1 Quart Torch Lily	14.20	
32 93 23 00-0112	EA	1 Quart Bluebeard	25.56	
32 93 23 00-0113	EA	1 Gallon Bluebeard	37.87	
32 93 23 00-0114	EA	2 Gallon Bluebeard	55.39	
32 93 23 00-0115		**Annuals** *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.59	
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.92	
32 93 23 00-0118	EA	4" Pot Annual Flowers	19.05	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	25.34	
32 93 23 00-0120	EA	6" Pot Annual Flowers	50.17	
32 93 23 00-0121	EA	8" Pot Annual Flowers	83.61	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	109.46	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	124.15	
32 93 23 00-0124		**Bulbs** *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	22.91	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.32	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.50	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.94	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.47	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.97	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.15	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.32	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.93	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.79	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.97	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.97	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	4.14	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.41	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	4.14	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.88	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	4.14	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	4.14	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.23	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.53	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.64	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.53	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	3.08	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.41	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.35	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.91	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.26	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.26	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.64	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.56	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.64	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	4.41	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.64	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.53	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.79	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.97	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	3.17	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	3.00	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.26	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.26	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.56	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.76	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.64	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.44	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.64	

32 93 33 Shrubs *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shurbs.

32 93 33 00-0001 Shrubs *(32 93 33)*

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	24.15	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	49.18	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	94.41	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.86	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	24.38	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	96.78	
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	113.09	
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	165.28	
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	184.42	
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	233.14	
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	259.23	
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	52.19	
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	69.59	
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	86.99	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.86	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	24.38	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	47.47	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	55.85	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	67.02	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	78.19	
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	94.95	
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.08	
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.87	
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	51.66	
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	58.64	
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.77	
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.57	
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	52.36	
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	55.15	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	9.60	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	22.20	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	11.25	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	24.75	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	33.45	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.86	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	24.38	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.86	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	24.38	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	12.00	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	17.55	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	50.10	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	63.60	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	89.10	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	11.13	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	26.82	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	53.55	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	68.55	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	87.60	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	14.40	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	28.35	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	34.65	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	13.65	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	38.55	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	53.55	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	82.65	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	15.60	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	41.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	44.55	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	57.30	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	76.35	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	114.60	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	159.15	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	44.55	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	57.30	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	76.35	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	114.60	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	29.32	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	48.87	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	128.46	
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	69.81	
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	94.95	
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	128.46	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	10.54	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	32.43	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	105.39	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	46.08	
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	41.89	
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	55.85	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	17.89	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	38.16	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	63.45	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	94.48	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	245.13	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	17.89	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	38.16	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	63.45	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	46.08	
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	11.13	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	28.94	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	46.08	
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	39.10	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	46.08	
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	34.91	
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.10	
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	41.89	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	40.20	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	53.55	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	82.65	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.86	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	24.38	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	44.68	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	48.17	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	53.76	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	56.55	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	66.32	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.86	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	24.38	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	114.17	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	63.60	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	79.50	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	101.85	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	139.95	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	41.89	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	29.32	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	33.51	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	41.89	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	50.27	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	41.89	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	46.08	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	46.08	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	41.89	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	48.87	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	53.06	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	64.23	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	45.38	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	50.96	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	57.94	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	36.30	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.89	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	44.68	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	48.87	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	54.45	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	43.28	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	48.87	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	52.36	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	56.55	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	139.63	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	181.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	195.48	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	251.33	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	307.18	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	349.07	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	133.65	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	200.40	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	302.24	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.91	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.91	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	36.30	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	33.45	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	36.30	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.91	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	36.30	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	14.40	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	44.55	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	60.15	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	101.85	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.86	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	24.38	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	14.40	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	28.35	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.86	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	24.38	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	96.78	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	27.02	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	67.56	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	35.60	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	39.10	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	50.27	
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	58.64	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	67.02	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	55.85	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	67.02	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	78.19	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	20.94	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	50.27	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	67.02	
32 93 33 00-0178	EA	1 Gallon Elaeagnus - Silverberry	12.85	
32 93 33 00-0179	EA	3 Gallon Elaeagnus - Silverberry	25.69	
32 93 33 00-0180	EA	5 Gallon Elaeagnus - Silverberry	35.33	
32 93 33 00-0181	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	24.38	
32 93 33 00-0182	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.86	
32 93 33 00-0183	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	24.38	
32 93 33 00-0184	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	96.78	
32 93 33 00-0185	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.86	
32 93 33 00-0186	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	24.38	
32 93 33 00-0187	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	96.78	
32 93 33 00-0188	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	41.70	
32 93 33 00-0189	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	57.30	
32 93 33 00-0190	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	68.55	
32 93 33 00-0191	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	66.75	
32 93 33 00-0192	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.86	
32 93 33 00-0193	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	24.38	
32 93 33 00-0194	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	96.78	
32 93 33 00-0195	EA	1 Gallon Euonymus - Gold Spot	12.00	
32 93 33 00-0196	EA	2 Gallon Euonymus - Gold Spot	25.20	
32 93 33 00-0197	EA	5 Gallon Euonymus - Gold Spot	34.65	
32 93 33 00-0198	EA	1 Gallon Euonymus alatus - Winged Euonymus	10.24	
32 93 33 00-0199	EA	3 Gallon Euonymus alatus - Winged Euonymus	29.54	
32 93 33 00-0200	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	39.82	
32 93 33 00-0201	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	49.78	
32 93 33 00-0202	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	68.40	
32 93 33 00-0203	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	84.46	
32 93 33 00-0204	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	99.55	
32 93 33 00-0205	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	128.46	
32 93 33 00-0206	EA	5 Gallon Euonymus alatus - Winged Euonymus	36.93	
32 93 33 00-0207	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	160.57	
32 93 33 00-0208	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	62.83	
32 93 33 00-0209	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	74.70	
32 93 33 00-0210	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	97.74	
32 93 33 00-0211	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	117.29	
32 93 33 00-0212	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	145.21	
32 93 33 00-0213	EA	18" To 24" Euonymus alatus - Winged Burning Bush	44.55	
32 93 33 00-0214	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	52.50	
32 93 33 00-0215	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	71.70	
32 93 33 00-0216	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	85.95	
32 93 33 00-0217	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	108.15	
32 93 33 00-0218	EA	4' To 5' Euonymus alatus - Winged Burning Bush	152.70	
32 93 33 00-0219	EA	5' To 6' Euonymus alatus - Winged Burning Bush	190.95	
32 93 33 00-0220	EA	6' To 8' Euonymus alatus - Winged Burning Bush	222.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0221	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	44.55	
32 93 33 00-0222	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	50.85	
32 93 33 00-0223	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	62.10	
32 93 33 00-0224	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	87.60	
32 93 33 00-0225	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	103.50	
32 93 33 00-0226	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	124.05	
32 93 33 00-0227	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	175.05	
32 93 33 00-0228	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	206.85	
32 93 33 00-0229	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	37.70	
32 93 33 00-0230	EA	1 Gallon Euonymus fortunei - Wintercreeper	14.40	
32 93 33 00-0231	EA	2 Gallon Euonymus fortunei - Wintercreeper	28.35	
32 93 33 00-0232	EA	3 Gallon Euonymus fortunei - Wintercreeper	34.65	
32 93 33 00-0233	EA	5 Gallon Euonymus fortunei - Wintercreeper	41.10	
32 93 33 00-0234	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	9.86	
32 93 33 00-0235	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	24.38	
32 93 33 00-0236	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	96.78	
32 93 33 00-0237	EA	2' To 3' Forsythia - Korean Forsythia	31.80	
32 93 33 00-0238	EA	3' To 4' Forsythia - Korean Forsythia	40.20	
32 93 33 00-0239	EA	4' To 5' Forsythia - Korean Forsythia	50.10	
32 93 33 00-0240	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	32.11	
32 93 33 00-0241	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.60	
32 93 33 00-0242	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	38.40	
32 93 33 00-0243	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	33.51	
32 93 33 00-0244	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	44.68	
32 93 33 00-0245	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	33.51	
32 93 33 00-0246	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	39.10	
32 93 33 00-0247	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	46.08	
32 93 33 00-0248	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	53.06	
32 93 33 00-0249	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	61.44	
32 93 33 00-0250	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	47.47	
32 93 33 00-0251	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	66.32	
32 93 33 00-0252	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	69.81	
32 93 33 00-0253	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	72.61	
32 93 33 00-0254	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	78.19	
32 93 33 00-0255	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	94.95	
32 93 33 00-0256	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	122.87	
32 93 33 00-0257	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	139.63	
32 93 33 00-0258	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	10.35	
32 93 33 00-0259	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	27.15	
32 93 33 00-0260	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	34.65	
32 93 33 00-0261	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.86	
32 93 33 00-0262	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	24.38	
32 93 33 00-0263	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	96.78	
32 93 33 00-0264	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	97.74	
32 93 33 00-0265	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	159.17	
32 93 33 00-0266	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	201.06	
32 93 33 00-0267	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	307.18	
32 93 33 00-0268	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	349.07	
32 93 33 00-0269	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.94	
32 93 33 00-0270	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	20.87	
32 93 33 00-0271	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	40.14	
32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	15.22	
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	25.69	
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	38.86	
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	40.20	
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	34.20	
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	46.20	
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	66.75	
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	92.25	
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea	28.35	
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea	39.90	
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	44.55	
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	50.85	
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	28.35	
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	48.87	
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	53.06	
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	61.44	
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	64.23	
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	50.27	
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	67.02	
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	29.32	
32 93 33 00-0292	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	34.91	
32 93 33 00-0293	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.02	
32 93 33 00-0294	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.11	
32 93 33 00-0295	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	36.30	
32 93 33 00-0296	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	41.89	
32 93 33 00-0297	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	55.85	
32 93 33 00-0298	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	40.49	
32 93 33 00-0299	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	46.08	
32 93 33 00-0300	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	54.45	
32 93 33 00-0301	EA	2 Gallon Hypericum kalmianum - St. John's Wort	28.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0302	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	33.51	
32 93 33 00-0303	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	36.30	
32 93 33 00-0304	EA	1 Gallon Ilex "Carissa" - Holly	14.40	
32 93 33 00-0305	EA	2 Gallon Ilex "Carissa" - Holly	28.35	
32 93 33 00-0306	EA	5 Gallon Ilex "Carissa" - Holly	39.90	
32 93 33 00-0307	EA	18" To 24" Ilex - Gulftide Sweet Holly	38.25	
32 93 33 00-0308	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	48.45	
32 93 33 00-0309	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	62.85	
32 93 33 00-0310	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	76.35	
32 93 33 00-0311	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	28.57	
32 93 33 00-0312	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	14.40	
32 93 33 00-0313	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	28.35	
32 93 33 00-0314	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	41.10	
32 93 33 00-0315	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	14.40	
32 93 33 00-0316	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	31.50	
32 93 33 00-0317	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	41.10	
32 93 33 00-0318	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	31.50	
32 93 33 00-0319	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	37.95	
32 93 33 00-0320	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	76.35	
32 93 33 00-0321	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	101.85	
32 93 33 00-0322	EA	2' To 3' Ilex opaca - American Holly	101.85	
32 93 33 00-0323	EA	3' To 4' Ilex opaca - American Holly	168.60	
32 93 33 00-0324	EA	4' To 5' Ilex opaca - American Holly	216.30	
32 93 33 00-0325	EA	5' To 6' Ilex opaca - American Holly	260.84	
32 93 33 00-0326	EA	6' To 7' Ilex opaca - American Holly	365.84	
32 93 33 00-0327	EA	7' To 8' Ilex opaca - American Holly	509.09	
32 93 33 00-0328	EA	8' To 10' Ilex opaca - American Holly	731.69	
32 93 33 00-0329	EA	10' To 12' Ilex opaca - American Holly	1,113.58	
32 93 33 00-0330	EA	12' To 14' Ilex opaca - American Holly	1,352.07	
32 93 33 00-0331	EA	14' To 16' Ilex opaca - American Holly	1,670.22	
32 93 33 00-0332	EA	2' To 3' Ilex verticillata - Winterberry (Female)	101.85	
32 93 33 00-0333	EA	3' To 4' Ilex verticillata - Winterberry (Female)	133.65	
32 93 33 00-0334	EA	2' To 3' Ilex verticillata - Winterberry (Male)	82.65	
32 93 33 00-0335	EA	3' To 4' Ilex verticillata - Winterberry (Male)	114.60	
32 93 33 00-0336	EA	4' To 5' Ilex verticillata - Winterberry (Male)	133.65	
32 93 33 00-0337	EA	1 Gallon Ilex vomitoria - Yaupon Holly	13.50	
32 93 33 00-0338	EA	3 Gallon Ilex vomitoria - Yaupon Holly	27.15	
32 93 33 00-0339	EA	10 Gallon Ilex vomitoria - Yaupon Holly	95.40	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.28	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	48.87	
32 93 33 00-0342	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	55.85	
32 93 33 00-0343	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	51.66	
32 93 33 00-0344	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	62.83	
32 93 33 00-0345	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	46.08	
32 93 33 00-0346	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	46.08	
32 93 33 00-0347	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	48.87	
32 93 33 00-0348	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.64	
32 93 33 00-0349	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.62	
32 93 33 00-0350	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	69.81	
32 93 33 00-0351	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	89.36	
32 93 33 00-0352	EA	4' To 5' Ilex x attenuata "Foster" - Holly	165.45	
32 93 33 00-0353	EA	5' To 6' Ilex x attenuata "Foster" - Holly	219.44	
32 93 33 00-0354	EA	6' To 7' Ilex x attenuata "Foster" - Holly	196.34	
32 93 33 00-0355	EA	7' To 8' Ilex x attenuata "Foster" - Holly	381.74	
32 93 33 00-0356	EA	1 Gallon Jasimnum - Jasmine	3.69	
32 93 33 00-0357	EA	3 Gallon Jasimnum - Jasmine	14.45	
32 93 33 00-0358	EA	3 Gallon Jasimnum - Orange Jasmine	11.24	
32 93 33 00-0359	EA	4' - 5' Jasimnum - Orange Jasmine	128.46	
32 93 33 00-0360	EA	6' - 7' Jasimnum - Orange Jasmine	256.91	
32 93 33 00-0361	EA	8' - 10' Jasimnum - Orange Jasmine	346.83	
32 93 33 00-0362	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	48.87	
32 93 33 00-0363	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	54.45	
32 93 33 00-0364	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	72.61	
32 93 33 00-0365	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	94.95	
32 93 33 00-0366	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	111.70	
32 93 33 00-0367	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	150.80	
32 93 33 00-0368	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	206.65	
32 93 33 00-0369	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.28	
32 93 33 00-0370	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.87	
32 93 33 00-0371	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	54.45	
32 93 33 00-0372	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	58.64	
32 93 33 00-0373	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	64.23	
32 93 33 00-0374	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	78.19	
32 93 33 00-0375	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	94.95	
32 93 33 00-0376	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	37.70	
32 93 33 00-0377	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	44.68	
32 93 33 00-0378	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	61.44	
32 93 33 00-0379	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	78.19	
32 93 33 00-0380	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	94.95	
32 93 33 00-0381	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	34.91	
32 93 33 00-0382	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	41.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0383	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	36.30	
32 93 33 00-0384	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	69.81	
32 93 33 00-0385	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	108.91	
32 93 33 00-0386	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	136.83	
32 93 33 00-0387	EA	15" To 18" Kalmia latifolia - Mountain Laurel	57.30	
32 93 33 00-0388	EA	18" To 24" Kalmia latifolia - Mountain Laurel	76.35	
32 93 33 00-0389	EA	2' To 3' Kalmia latifolia - Mountain Laurel	111.30	
32 93 33 00-0390	EA	4' To 5' Kalmia latifolia - Mountain Laurel	203.54	
32 93 33 00-0391	EA	5' To 6' Kalmia latifolia - Mountain Laurel	311.84	
32 93 33 00-0392	EA	6' To 8' Kalmia latifolia - Mountain Laurel	477.29	
32 93 33 00-0393	EA	1 Gallon Kerria japonica - Kerria	12.75	
32 93 33 00-0394	EA	5 Gallon Kerria japonica - Kerria	39.90	
32 93 33 00-0395	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	40.49	
32 93 33 00-0396	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	46.08	
32 93 33 00-0397	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	50.27	
32 93 33 00-0398	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	58.64	
32 93 33 00-0399	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	67.02	
32 93 33 00-0400	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	83.78	
32 93 33 00-0401	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	9.60	
32 93 33 00-0402	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	34.20	
32 93 33 00-0403	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	47.70	
32 93 33 00-0404	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	70.05	
32 93 33 00-0405	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	111.30	
32 93 33 00-0406	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	144.51	
32 93 33 00-0407	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	192.68	
32 93 33 00-0408	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	401.42	
32 93 33 00-0409	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	14.40	
32 93 33 00-0410	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	31.50	
32 93 33 00-0411	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	37.95	
32 93 33 00-0412	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.85	
32 93 33 00-0413	EA	5 Gallon Ligustrum lucidum - Glossy Privet	27.15	
32 93 33 00-0414	EA	15 Gallon Ligustrum lucidum - Glossy Privet	127.20	
32 93 33 00-0415	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.85	
32 93 33 00-0416	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	19.05	
32 93 33 00-0417	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	24.75	
32 93 33 00-0418	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	41.89	
32 93 33 00-0419	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	61.44	
32 93 33 00-0420	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	78.19	
32 93 33 00-0421	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	89.36	
32 93 33 00-0422	EA	5 Gallon Lindera benzoin - Spicebush	46.08	
32 93 33 00-0423	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	39.10	
32 93 33 00-0424	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	47.47	
32 93 33 00-0425	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	76.35	
32 93 33 00-0426	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	92.25	
32 93 33 00-0427	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	41.89	
32 93 33 00-0428	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	50.27	
32 93 33 00-0429	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	55.85	
32 93 33 00-0430	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	61.44	
32 93 33 00-0431	EA	1 Gallon Myrica cerifera - Wax Myrtle	8.03	
32 93 33 00-0432	EA	4 Gallon Myrica cerifera - Wax Myrtle	25.69	
32 93 33 00-0433	EA	7 Gallon Myrica cerifera - Wax Myrtle	56.20	
32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle	83.50	
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle	128.46	
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle	385.37	
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle	11.24	
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle	38.54	
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle	70.65	
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle	96.34	
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle	128.46	
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle	195.90	
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	41.89	
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	68.42	
32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	100.53	
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	120.08	
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	125.66	
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.86	
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	24.38	
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	96.78	
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	14.40	
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	31.50	
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	47.70	
32 93 33 00-0454	EA	15 Gallon Nerium oleander - Oleander	105.90	
32 93 33 00-0455	EA	24" Box Nerium oleander - Oleander	380.56	
32 93 33 00-0456	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.85	
32 93 33 00-0457	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	24.00	
32 93 33 00-0458	EA	1 Gallon Philadelphus - Evergreen Mockorange	12.30	
32 93 33 00-0459	EA	5 Gallon Philadelphus - Evergreen Mockorange	39.90	
32 93 33 00-0460	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	41.89	
32 93 33 00-0461	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	48.87	
32 93 33 00-0462	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	55.85	
32 93 33 00-0463	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0464	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	24.38	
32 93 33 00-0465	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	96.78	
32 93 33 00-0466	EA	1 Gallon Phormium tenax - New Zealand Flax	10.39	
32 93 33 00-0467	EA	5 Gallon Phormium tenax - New Zealand Flax	24.91	
32 93 33 00-0468	EA	15 Gallon Phormium tenax - New Zealand Flax	105.90	
32 93 33 00-0469	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	41.89	
32 93 33 00-0470	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	48.87	
32 93 33 00-0471	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	55.85	
32 93 33 00-0472	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	69.81	
32 93 33 00-0473	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	83.78	
32 93 33 00-0474	EA	12" To 15" Spread Pieris - Mountain Andromeda	38.55	
32 93 33 00-0475	EA	15" To 18" Spread Pieris - Mountain Andromeda	82.65	
32 93 33 00-0476	EA	12" To 15" Pieris japonica - Japanese Andromeda	50.10	
32 93 33 00-0477	EA	15" To 18" Pieris japonica - Japanese Andromeda	57.30	
32 93 33 00-0478	EA	18" To 24" Pieris japonica - Japanese Andromeda	71.70	
32 93 33 00-0479	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	101.85	
32 93 33 00-0480	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	120.90	
32 93 33 00-0481	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	43.50	
32 93 33 00-0482	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	55.67	
32 93 33 00-0483	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	66.98	
32 93 33 00-0484	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	86.12	
32 93 33 00-0485	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	103.52	
32 93 33 00-0486	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	151.36	
32 93 33 00-0487	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	93.95	
32 93 33 00-0488	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	113.09	
32 93 33 00-0489	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	150.50	
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum	5.30	
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum	13.65	
32 93 33 00-0492	EA	1 Gallon Pittosporum - Varigated Pittosporum	5.30	
32 93 33 00-0493	EA	3 Gallon Pittosporum - Varigated Pittosporum	13.65	
32 93 33 00-0494	EA	5 Gallon Pittosporum - Varigated Pittosporum	23.92	
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.32	
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.82	
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.86	
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	24.38	
32 93 33 00-0499	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	96.78	
32 93 33 00-0500	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	6.42	
32 93 33 00-0501	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	19.27	
32 93 33 00-0502	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	23.74	
32 93 33 00-0503	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	33.51	
32 93 33 00-0504	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	25.13	
32 93 33 00-0505	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	27.93	
32 93 33 00-0506	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	40.49	
32 93 33 00-0507	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	46.77	
32 93 33 00-0508	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.98	
32 93 33 00-0509	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.95	
32 93 33 00-0510	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	89.15	
32 93 33 00-0511	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	22.80	
32 93 33 00-0512	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	28.22	
32 93 33 00-0513	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	36.73	
32 93 33 00-0514	EA	15" To 18" Prunus triloba - Double White Flowering Almond	20.37	
32 93 33 00-0515	EA	18" To 24" Prunus triloba - Double White Flowering Almond	26.07	
32 93 33 00-0516	EA	3' To 4' Prunus triloba - Double White Flowering Almond	41.59	
32 93 33 00-0517	EA	4' To 6' Prunus triloba - Double White Flowering Almond	83.27	
32 93 33 00-0518	EA	5 Gallon Prunus triloba - Pink Flowering Almond	25.05	
32 93 33 00-0519	EA	18" To 24" Prunus triloba - Pink Flowering Almond	28.13	
32 93 33 00-0520	EA	2' To 3' Prunus triloba - Pink Flowering Almond	32.71	
32 93 33 00-0521	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	22.24	
32 93 33 00-0522	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	27.29	
32 93 33 00-0523	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	32.71	
32 93 33 00-0524	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	37.47	
32 93 33 00-0525	EA	1 Gallon Punica granatum - Dwarf Pomegranate	9.45	
32 93 33 00-0526	EA	3 Gallon Punica granatum - Dwarf Pomegranate	27.90	
32 93 33 00-0527	EA	7 Gallon Punica granatum - Dwarf Pomegranate	57.30	
32 93 33 00-0528	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	12.00	
32 93 33 00-0529	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	39.90	
32 93 33 00-0530	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	82.65	
32 93 33 00-0531	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	9.60	
32 93 33 00-0532	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	18.30	
32 93 33 00-0533	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	32.55	
32 93 33 00-0534	EA	1 Gallon Rhamnus californica - Coffeeberry	14.59	
32 93 33 00-0535	EA	5 Gallon Rhamnus californica - Coffeeberry	41.73	
32 93 33 00-0536	EA	15 Gallon Rhamnus californica - Coffeeberry	125.22	
32 93 33 00-0537	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	73.20	
32 93 33 00-0538	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	100.35	
32 93 33 00-0539	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	130.50	
32 93 33 00-0540	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	238.65	
32 93 33 00-0541	EA	1 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	10.49	
32 93 33 00-0542	EA	5 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	24.91	
32 93 33 00-0543	EA	15 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	105.90	
32 93 33 00-0544	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	15.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0545	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	31.50	
32 93 33 00-0546	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	41.10	
32 93 33 00-0547	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	47.70	
32 93 33 00-0548	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	55.80	
32 93 33 00-0549	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	70.05	
32 93 33 00-0550	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	101.85	
32 93 33 00-0551	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	143.10	
32 93 33 00-0552	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	17.55	
32 93 33 00-0553	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	31.50	
32 93 33 00-0554	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	54.15	
32 93 33 00-0555	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	70.05	
32 93 33 00-0556	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	101.85	
32 93 33 00-0557	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	149.55	
32 93 33 00-0558	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	200.40	
32 93 33 00-0559	EA	5 Gallon Rhododendron - Boxleaf Azara	39.90	
32 93 33 00-0560	EA	15 Gallon Rhododendron - Boxleaf Azara	143.10	
32 93 33 00-0561	EA	15" To 18" Rhododendron - Carolina Rhododendron	45.15	
32 93 33 00-0562	EA	18" To 24" Rhododendron - Carolina Rhododendron	79.50	
32 93 33 00-0563	EA	24" To 30" Rhododendron - Carolina Rhododendron	117.75	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Five-leafed Azalea	53.55	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Five-leafed Azalea	70.05	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Five-leafed Azalea	92.25	
32 93 33 00-0567	EA	15" To 18" Rhododendron - Ghent Azalea	53.55	
32 93 33 00-0568	EA	18" To 24" Rhododendron - Ghent Azalea	66.75	
32 93 33 00-0569	EA	2' To 3' Rhododendron - Ghent Azalea	108.15	
32 93 33 00-0570	EA	3' To 4' Rhododendron - Ghent Azalea	149.55	
32 93 33 00-0571	EA	4' To 5' Rhododendron - Ghent Azalea	200.40	
32 93 33 00-0572	EA	5' To 6' Rhododendron - Ghent Azalea	267.29	
32 93 33 00-0573	EA	1 Gallon Rhododendron - Hybrid Rhododendron	17.55	
32 93 33 00-0574	EA	2 Gallon Rhododendron - Hybrid Rhododendron	37.95	
32 93 33 00-0575	EA	3 Gallon Rhododendron - Hybrid Rhododendron	53.85	
32 93 33 00-0576	EA	5 Gallon Rhododendron - Hybrid Rhododendron	60.15	
32 93 33 00-0577	EA	15" To 18" Rhododendron - Hybrid Rhododendron	50.85	
32 93 33 00-0578	EA	18" To 24" Rhododendron - Hybrid Rhododendron	70.05	
32 93 33 00-0579	EA	24" To 30" Rhododendron - Hybrid Rhododendron	95.40	
32 93 33 00-0580	EA	30" To 36" Rhododendron - Hybrid Rhododendron	111.30	
32 93 33 00-0581	EA	36" To 42" Rhododendron - Hybrid Rhododendron	159.15	
32 93 33 00-0582	EA	42" To 48" Rhododendron - Hybrid Rhododendron	197.25	
32 93 33 00-0583	EA	15" To 18" Rhododendron - Pjm Rhododendron	57.30	
32 93 33 00-0584	EA	18" To 24" Rhododendron - Pjm Rhododendron	70.05	
32 93 33 00-0585	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	101.85	
32 93 33 00-0586	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	130.50	
32 93 33 00-0587	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	159.15	
32 93 33 00-0588	EA	12" To 15" Rhododendron - Torch Azalea	44.55	
32 93 33 00-0589	EA	15" To 18" Rhododendron - Torch Azalea	53.55	
32 93 33 00-0590	EA	18" To 24" Rhododendron - Torch Azalea	66.75	
32 93 33 00-0591	EA	2' To 3' Rhododendron - Torch Azalea	111.30	
32 93 33 00-0592	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	50.27	
32 93 33 00-0593	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	61.44	
32 93 33 00-0594	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	75.40	
32 93 33 00-0595	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	94.95	
32 93 33 00-0596	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	111.70	
32 93 33 00-0597	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	134.04	
32 93 33 00-0598	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	14.40	
32 93 33 00-0599	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	39.90	
32 93 33 00-0600	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	33.51	
32 93 33 00-0601	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	46.08	
32 93 33 00-0602	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	53.06	
32 93 33 00-0603	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	69.81	
32 93 33 00-0604	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	41.89	
32 93 33 00-0605	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	69.81	
32 93 33 00-0606	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	111.70	
32 93 33 00-0607	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	37.70	
32 93 33 00-0608	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	43.28	
32 93 33 00-0609	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	62.83	
32 93 33 00-0610	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	83.78	
32 93 33 00-0611	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	23.04	
32 93 33 00-0612	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	27.93	
32 93 33 00-0613	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	34.91	
32 93 33 00-0614	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	25.13	
32 93 33 00-0615	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	32.11	
32 93 33 00-0616	EA	5 Gallon Sambucus canadensis - American Elder	46.08	
32 93 33 00-0617	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.86	
32 93 33 00-0618	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	24.38	
32 93 33 00-0619	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	9.86	
32 93 33 00-0620	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	24.38	
32 93 33 00-0621	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	20.70	
32 93 33 00-0622	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	30.30	
32 93 33 00-0623	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	11.25	
32 93 33 00-0624	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	29.40	
32 93 33 00-0625	EA	5 Gallon Senna artemisioides - Feathery Cassia	32.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0626	EA	15 Gallon Senna artemisioides - Feathery Cassia	129.04	
32 93 33 00-0627	EA	24" Box Senna artemisioides - Feathery Cassia	405.36	
32 93 33 00-0628	EA	1 Gallon Skimmia japonica - Japanese Skimmia	14.40	
32 93 33 00-0629	EA	2 Gallon Skimmia japonica - Japanese Skimmia	28.65	
32 93 33 00-0630	EA	5 Gallon Skimmia japonica - Japanese Skimmia	46.20	
32 93 33 00-0631	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.86	
32 93 33 00-0632	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	24.38	
32 93 33 00-0633	EA	3' To 4' Spiraea - Garland Spirea	66.75	
32 93 33 00-0634	EA	4' To 5' Spiraea - Garland Spirea	101.85	
32 93 33 00-0635	EA	5 Gallon Spiraea - Snowmound Spirea	39.90	
32 93 33 00-0636	EA	18" To 24" Spiraea - Snowmound Spirea	32.70	
32 93 33 00-0637	EA	2' To 3' Spiraea - Snowmound Spirea	46.20	
32 93 33 00-0638	EA	3' To 4' Spiraea - Snowmound Spirea	53.55	
32 93 33 00-0639	EA	4' To 5' Spiraea - Snowmound Spirea	92.25	
32 93 33 00-0640	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	14.40	
32 93 33 00-0641	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	28.35	
32 93 33 00-0642	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	32.81	
32 93 33 00-0643	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	35.60	
32 93 33 00-0644	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	36.30	
32 93 33 00-0645	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	41.89	
32 93 33 00-0646	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	47.47	
32 93 33 00-0647	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	55.15	
32 93 33 00-0648	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	22.34	
32 93 33 00-0649	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	33.51	
32 93 33 00-0650	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	30.72	
32 93 33 00-0651	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	36.30	
32 93 33 00-0652	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	41.89	
32 93 33 00-0653	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	47.47	
32 93 33 00-0654	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	61.44	
32 93 33 00-0655	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	14.40	
32 93 33 00-0656	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	25.83	
32 93 33 00-0657	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	33.51	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	29.32	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	35.60	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	41.89	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	47.47	
32 93 33 00-0662	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	33.51	
32 93 33 00-0663	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	33.51	
32 93 33 00-0664	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	39.10	
32 93 33 00-0665	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	53.06	
32 93 33 00-0666	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	61.44	
32 93 33 00-0667	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	72.61	
32 93 33 00-0668	EA	5 Gallon Staphylea trifolia - Bladdernut	47.14	
32 93 33 00-0669	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	33.51	
32 93 33 00-0670	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	36.30	
32 93 33 00-0671	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	41.89	
32 93 33 00-0672	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	50.27	
32 93 33 00-0673	EA	2 Gallon Symphoricarpos albus - Common Snowberry	34.91	
32 93 33 00-0674	EA	5 Gallon Symphoricarpos albus - Common Snowberry	37.00	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	61.44	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	76.79	
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	89.36	
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	103.32	
32 93 33 00-0679	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	61.44	
32 93 33 00-0680	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	67.02	
32 93 33 00-0681	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	76.79	
32 93 33 00-0682	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	89.36	
32 93 33 00-0683	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	103.32	
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	48.87	
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	53.06	
32 93 33 00-0686	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	41.89	
32 93 33 00-0687	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.47	
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	53.06	
32 93 33 00-0689	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	61.44	
32 93 33 00-0690	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	75.40	
32 93 33 00-0691	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	34.91	
32 93 33 00-0692	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	40.49	
32 93 33 00-0693	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	53.06	
32 93 33 00-0694	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.01	
32 93 33 00-0695	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	248.53	
32 93 33 00-0696	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	273.67	
32 93 33 00-0697	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	329.52	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	58.64	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	76.79	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	89.36	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	97.74	
32 93 33 00-0702	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	58.64	
32 93 33 00-0703	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	76.79	
32 93 33 00-0704	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	90.76	
32 93 33 00-0705	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	107.51	
32 93 33 00-0706	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	161.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0707	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	89.36	
32 93 33 00-0708	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	120.08	
32 93 33 00-0709	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	181.51	
32 93 33 00-0710	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	265.29	
32 93 33 00-0711	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	304.38	
32 93 33 00-0712	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	353.25	
32 93 33 00-0713	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	39.10	
32 93 33 00-0714	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	54.45	
32 93 33 00-0715	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	76.79	
32 93 33 00-0716	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	66.75	
32 93 33 00-0717	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	101.85	
32 93 33 00-0718	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	133.65	
32 93 33 00-0719	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	8.10	
32 93 33 00-0720	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	22.20	
32 93 33 00-0721	EA	5 Gallon Viburnum plicatum - Japanese Snowball	39.90	
32 93 33 00-0722	EA	5' To 6' Viburnum plicatum - Japanese Snowball	149.55	
32 93 33 00-0723	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	70.05	
32 93 33 00-0724	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	82.65	
32 93 33 00-0725	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	116.25	
32 93 33 00-0726	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	76.79	
32 93 33 00-0727	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	92.15	
32 93 33 00-0728	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	69.81	
32 93 33 00-0729	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	83.78	
32 93 33 00-0730	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	97.74	
32 93 33 00-0731	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	111.70	
32 93 33 00-0732	EA	1 Gallon Viburnum davidii - David Viburnum	9.86	
32 93 33 00-0733	EA	5 Gallon Viburnum davidii - David Viburnum	24.38	
32 93 33 00-0734	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.10	
32 93 33 00-0735	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	41.89	
32 93 33 00-0736	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	48.87	
32 93 33 00-0737	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	55.85	
32 93 33 00-0738	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	61.44	
32 93 33 00-0739	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	37.70	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	41.89	
32 93 33 00-0741	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	53.06	
32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	61.44	
32 93 33 00-0743	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	83.78	
32 93 33 00-0744	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	100.53	
32 93 33 00-0745	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	41.89	
32 93 33 00-0746	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	55.85	
32 93 33 00-0747	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	69.81	
32 93 33 00-0748	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	97.74	
32 93 33 00-0749	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	139.63	
32 93 33 00-0750	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	195.48	
32 93 33 00-0751	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	251.33	
32 93 33 00-0752	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	50.27	
32 93 33 00-0753	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	55.85	
32 93 33 00-0754	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	100.53	
32 93 33 00-0755	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	153.59	
32 93 33 00-0756	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	195.48	
32 93 33 00-0757	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	237.36	
32 93 33 00-0758	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	293.21	
32 93 33 00-0759	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	349.07	
32 93 33 00-0760	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	418.88	
32 93 33 00-0761	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	488.69	
32 93 33 00-0762	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	42.59	
32 93 33 00-0763	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	46.77	
32 93 33 00-0764	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	53.06	
32 93 33 00-0765	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	61.44	
32 93 33 00-0766	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	70.51	
32 93 33 00-0767	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	40.49	
32 93 33 00-0768	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	48.87	
32 93 33 00-0769	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	58.64	
32 93 33 00-0770	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	67.02	
32 93 33 00-0771	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	80.98	
32 93 33 00-0772	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	89.36	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	69.81	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	83.78	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	97.74	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	111.70	
32 93 33 00-0777	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	125.66	
32 93 33 00-0778	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	89.36	
32 93 33 00-0779	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	100.53	
32 93 33 00-0780	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	114.49	
32 93 33 00-0781	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	131.25	
32 93 33 00-0782	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	82.65	
32 93 33 00-0783	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	101.85	
32 93 33 00-0784	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	149.55	
32 93 33 00-0785	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	46.08	
32 93 33 00-0786	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	41.89	
32 93 33 00-0787	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	47.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0788	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	53.06	
32 93 33 00-0789	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	61.44	
32 93 33 00-0790	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	69.81	
32 93 33 00-0791	EA	1 Gallon Xylosma congestum - Shiny Xylosma	9.60	
32 93 33 00-0792	EA	5 Gallon Xylosma congestum - Shiny Xylosma	27.15	
32 93 33 00-0793	EA	15 Gallon Xylosma congestum - Shiny Xylosma	119.40	
32 93 33 00-0794	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	8.10	
32 93 33 00-0795	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	21.45	
32 93 33 00-0796	EA	1 Gallon Yucca filamentosa - Adams Needle	11.25	
32 93 33 00-0797	EA	3 Gallon Yucca filamentosa - Adams Needle	21.90	
32 93 33 00-0798	EA	5 Gallon Yucca filamentosa - Adams Needle	34.65	
32 93 33 00-0799	EA	5 Gallon Border Forsythia - Goldenbells	38.55	
32 93 33 00-0800	EA	2' To 3' Border Forsythia - Goldenbells	31.80	
32 93 33 00-0801	EA	3' To 4' Border Forsythia - Goldenbells	40.20	
32 93 33 00-0802	EA	4' To 5' Border Forsythia - Goldenbells	50.10	
32 93 33 00-0803	EA	5' To 6' Border Forsythia - Goldenbells	60.15	
32 93 33 00-0804	EA	6' To 8' Border Forsythia - Goldenbells	82.65	
32 93 33 00-0805	EA	3' Juniperus chinensis - Columnar Chinese Juniper	81.89	
32 93 33 00-0806	EA	4' Juniperus chinensis - Columnar Chinese Juniper	112.40	
32 93 33 00-0807	EA	5' Juniperus chinensis - Columnar Chinese Juniper	176.63	
32 93 33 00-0808	EA	6' Juniperus chinensis - Columnar Chinese Juniper	205.53	
32 93 33 00-0809	EA	7' Juniperus chinensis - Columnar Chinese Juniper	269.76	
32 93 33 00-0810	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	16.06	
32 93 33 00-0811	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	22.48	
32 93 33 00-0812	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	54.43	
32 93 33 00-0813	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	16.06	
32 93 33 00-0814	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	22.48	
32 93 33 00-0815	EA	Beile Poitvine Roses	64.23	
32 93 33 00-0816	EA	3 Gallon Bird Of Paradise	28.90	
32 93 33 00-0817	EA	5 Gallon Bird Of Paradise	44.96	
32 93 33 00-0818	EA	7 Gallon Bird Of Paradise	61.02	
32 93 33 00-0819	EA	10 Gallon Bird Of Paradise	122.03	
32 93 33 00-0820	EA	18" Bonica Roses	73.86	
32 93 33 00-0821	EA	1 Gallon Burmese Grape	12.85	
32 93 33 00-0822	EA	5 Gallon Burmese Grape	35.33	
32 93 33 00-0823	EA	15 Gallon Burmese Grape	131.67	
32 93 33 00-0824	EA	6" To 9" Canby Paxistima	25.69	
32 93 33 00-0825	EA	9" To 12" Canby Paxistima	32.11	
32 93 33 00-0826	EA	12" To 15" Canby Paxistima	41.75	
32 93 33 00-0827	EA	5 Gallon Chastetree	44.96	
32 93 33 00-0828	EA	3' Chinese Lilac	64.23	
32 93 33 00-0829	EA	4' Chinese Lilac	80.28	
32 93 33 00-0830	EA	5' Chinese Lilac	109.19	
32 93 33 00-0831	EA	1 Gallon Christmas Berry	16.06	
32 93 33 00-0832	EA	2 Gallon Christmas Berry	35.33	
32 93 33 00-0833	EA	5 Gallon Christmas Berry	51.38	
32 93 33 00-0834	EA	15 Gallon Christmas Berry	237.64	
32 93 33 00-0835	EA	1 Gallon Concha Wild Lilac	12.85	
32 93 33 00-0836	EA	5 Gallon Concha Wild Lilac	32.11	
32 93 33 00-0837	EA	1 Gallon Flower Carpet Roses	32.11	
32 93 33 00-0838	EA	3 Gallon Flower Carpet Roses	61.02	
32 93 33 00-0839	EA	Goldfinger Potentillas	51.38	
32 93 33 00-0840	EA	Green Mound Alpine Currents	64.23	
32 93 33 00-0841	EA	24" Gro-Low Sumacs	64.23	
32 93 33 00-0842	EA	3 Gallon Heliconia	28.90	
32 93 33 00-0843	EA	1' Ibolium Private	3.21	
32 93 33 00-0844	EA	2' Ibolium Private	12.85	
32 93 33 00-0845	EA	3' Ibolium Private	22.48	
32 93 33 00-0846	EA	5 Gallon Japanese Privit	35.33	
32 93 33 00-0847	EA	24" Spirea - Little Princess	67.44	
32 93 33 00-0848	EA	2' Longstalk Holly	64.23	
32 93 33 00-0849	EA	2-1/2' Longstalk Holly	86.71	
32 93 33 00-0850	EA	3' Longstalk Holly	109.19	
32 93 33 00-0851	EA	3-1/2' Longstalk Holly	122.03	
32 93 33 00-0852	EA	3 Gallon Low Dense Pyracantha	32.11	
32 93 33 00-0853	EA	1 Gallon Pacific Wax Myrtle	9.63	
32 93 33 00-0854	EA	5 Gallon Pacific Wax Myrtle	32.11	
32 93 33 00-0855	EA	1 Gallon Red Escallonia	9.63	
32 93 33 00-0856	EA	5 Gallon Red Escallonia	32.11	
32 93 33 00-0857	EA	15 Gallon Red Escallonia	131.67	
32 93 33 00-0858	EA	24" Smooth Hydrangeas	77.07	
32 93 33 00-0859	EA	15" To 18" Somerset Burkwood Daphne	51.38	
32 93 33 00-0860	EA	18" To 24" Somerset Burkwood Daphne	67.44	
32 93 33 00-0861	EA	1 Gallon Spring Bouquet Laurustinis	9.63	
32 93 33 00-0862	EA	5 Gallon Spring Bouquet Laurustinis	35.33	
32 93 33 00-0863	EA	15" To 18" Summersweet	38.54	
32 93 33 00-0864	EA	18" To 24" Summersweet	44.96	
32 93 33 00-0865	EA	2' Sweet Shrubs	51.38	
32 93 33 00-0866	EA	3' Sweet Shrubs	67.44	
32 93 33 00-0867	EA	1 Gallon Variegated Silverberry	9.63	
32 93 33 00-0868	EA	3 Gallon Variegated Silverberry	22.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0869	EA	15 Gallon Variegated Silverberry	131.67	
32 93 33 00-0870	EA	1 Gallon Variegated Winter Daphne	16.06	
32 93 33 00-0871	EA	5 Gallon Variegated Winter Daphne	51.38	
32 93 33 00-0872	EA	15 Gallon Variegated Winter Daphne	237.64	
32 93 33 00-0873	EA	2' To 3' Virginia Sweetspire	112.40	
32 93 33 00-0874	EA	1 Gallon Warminster Broom	16.06	
32 93 33 00-0875	EA	2 Gallon Warminster Broom	32.11	
32 93 33 00-0876	EA	5 Gallon Warminster Broom	44.96	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	306.48	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	374.58	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	425.66	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	493.77	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	561.88	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	664.03	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	304.96	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,089.70	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,362.12	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	272.42	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus glabra - Ohio Buckeye	681.06	
32 93 43 00-0013	EA	2" Caliper Aesculus glabra - Ohio Buckeye	885.38	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,021.59	
32 93 43 00-0015	EA	3" Caliper Aesculus glabra - Ohio Buckeye	1,157.80	
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	1,362.12	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	111.70	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	139.63	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	173.14	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	139.63	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	167.55	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	195.48	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	223.40	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	251.33	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	279.25	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	321.14	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	363.03	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	418.88	
32 93 43 00-0029	EA	1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	340.53	
32 93 43 00-0030	EA	2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	476.74	
32 93 43 00-0031	EA	2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	510.80	
32 93 43 00-0032	EA	3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry	595.93	
32 93 43 00-0033	EA	6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	425.66	
32 93 43 00-0034	EA	7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	510.80	
32 93 43 00-0035	EA	8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	595.93	
32 93 43 00-0036	EA	10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	681.06	
32 93 43 00-0037	EA	12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	766.19	
32 93 43 00-0038	EA	14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry	851.33	
32 93 43 00-0039	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	321.14	
32 93 43 00-0040	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	376.99	
32 93 43 00-0041	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	432.84	
32 93 43 00-0042	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	474.73	
32 93 43 00-0043	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	111.70	
32 93 43 00-0044	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	237.36	
32 93 43 00-0045	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	307.18	
32 93 43 00-0046	EA	2' To 4' Amelemchier - Juneberry	34.00	
32 93 43 00-0047	EA	4' To 5' Amelemchier - Juneberry	35.67	
32 93 43 00-0048	EA	5' To 6' Amelemchier - Juneberry	42.47	
32 93 43 00-0049	EA	6' To 8' Amelemchier - Juneberry	50.67	
32 93 43 00-0050	EA	3' Clump Form Asimina triloba - Paw-Paw	238.37	
32 93 43 00-0051	EA	4' Clump Form Asimina triloba - Paw-Paw	272.42	
32 93 43 00-0052	EA	5' Clump Form Asimina triloba - Paw-Paw	374.58	
32 93 43 00-0053	EA	1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	510.80	
32 93 43 00-0054	EA	2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	595.93	
32 93 43 00-0055	EA	2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood	766.19	
32 93 43 00-0056	EA	5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	306.48	
32 93 43 00-0057	EA	6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	374.58	
32 93 43 00-0058	EA	7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	510.80	
32 93 43 00-0059	EA	8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	595.93	
32 93 43 00-0060	EA	10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	715.11	
32 93 43 00-0061	EA	12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	868.35	
32 93 43 00-0062	EA	14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood	987.54	
32 93 43 00-0063	EA	6' Cercis - American Redbud	190.71	
32 93 43 00-0064	EA	8' Cercis - American Redbud	262.38	
32 93 43 00-0065	EA	2-1/2" Caliper Cercis - American Redbud	540.42	
32 93 43 00-0066	EA	3" Caliper Cercis - American Redbud	657.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0067	EA	15 Gallon Cercis canadensis & cvs - Eastern Redbud	166.46	
32 93 43 00-0068	EA	20 Gallon Cercis canadensis & cvs - Eastern Redbud	208.07	
32 93 43 00-0069	EA	6' Clump Form Cercis canadensis & cvs - Eastern Redbud	408.64	
32 93 43 00-0070	EA	7' Clump Form Cercis canadensis & cvs - Eastern Redbud	561.88	
32 93 43 00-0071	EA	8' Clump Form Cercis canadensis & cvs - Eastern Redbud	715.11	
32 93 43 00-0072	EA	1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud	391.61	
32 93 43 00-0073	EA	2" Caliper Cercis canadensis & cvs - Eastern Redbud	459.72	
32 93 43 00-0074	EA	5' To 6' Chaenomeles - Orange Quince	107.56	
32 93 43 00-0075	EA	6' To 8' Chaenomeles - Orange Quince	134.45	
32 93 43 00-0076	EA	5' Clump Form Chionanthus virginicus - White Fringetree	340.53	
32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	425.66	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	544.85	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	122.92	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	153.65	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	215.12	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	276.58	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	81.95	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	122.92	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	172.09	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	81.95	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	94.24	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	122.92	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	180.29	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	245.85	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	391.61	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	476.74	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	187.29	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	238.37	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	272.42	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	306.48	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	374.58	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	187.29	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	238.37	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	289.45	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	340.53	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	476.74	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	425.66	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	510.80	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	595.93	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	340.53	
32 93 43 00-0107	EA	2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	425.66	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	527.82	
32 93 43 00-0109	EA	3" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	595.93	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	681.06	
32 93 43 00-0111	EA	4" Caliper Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	766.19	
32 93 43 00-0112	EA	6' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	340.53	
32 93 43 00-0113	EA	7' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	408.64	
32 93 43 00-0114	EA	8' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	476.74	
32 93 43 00-0115	EA	10' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	595.93	
32 93 43 00-0116	EA	12' Clump Form Crataegus crusgalli inermis & cvs - Thornless Cockspur Hawthorn	766.19	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	272.42	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	306.48	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	340.53	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	391.61	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	510.80	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	578.90	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	238.37	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	289.45	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	340.53	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	425.66	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	527.82	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	629.98	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	732.14	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	272.42	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	306.48	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	425.66	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	561.88	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	255.40	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	340.53	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	425.66	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	510.80	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	170.27	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	221.34	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	272.42	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	374.58	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	510.80	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	9.79	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	31.33	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	53.85	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	102.80	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	137.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	176.22	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	64.53	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	96.80	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	121.00	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	150.71	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	255.40	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	340.53	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	442.69	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	493.77	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	664.03	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	595.93	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	255.40	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	340.53	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	442.69	
32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	493.77	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	595.93	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	664.03	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	255.40	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	340.53	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	442.69	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	493.77	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	595.93	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	664.03	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.40	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	340.53	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	442.69	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	493.77	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	595.93	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	664.03	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.40	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	340.53	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	442.69	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	493.77	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	595.93	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	664.03	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	69.14	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	176.32	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	207.43	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	204.32	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	272.42	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	340.53	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	408.64	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	476.74	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	544.85	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	306.48	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	340.53	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	425.66	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	476.74	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	612.95	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	340.53	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	425.66	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	255.40	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	323.50	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	391.61	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	442.69	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	493.77	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	544.85	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	156.21	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	195.27	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	234.32	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	273.38	
32 93 43 00-0209	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	7.29	
32 93 43 00-0210	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	30.85	
32 93 43 00-0211	EA	20 Gallon Prunus subhirtella - Flowering Cherry	421.22	
32 93 43 00-0212	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	435.41	
32 93 43 00-0213	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	544.20	
32 93 43 00-0214	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,135.71	
32 93 43 00-0215	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	875.32	
32 93 43 00-0216	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,703.57	
32 93 43 00-0217	EA	4' To 6' Prunus - Pigeon Plum	172.22	
32 93 43 00-0218	EA	8' To 10' Prunus - Pigeon Plum	585.56	
32 93 43 00-0219	EA	10' To 12' Prunus - Pigeon Plum	744.01	
32 93 43 00-0220	EA	14' To 16' Prunus - Pigeon Plum	1,171.13	
32 93 43 00-0221	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	108.80	
32 93 43 00-0222	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	298.01	
32 93 43 00-0223	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	388.11	
32 93 43 00-0224	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	122.99	
32 93 43 00-0225	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	236.51	
32 93 43 00-0226	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	435.41	
32 93 43 00-0227	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	520.55	
32 93 43 00-0228	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	340.81	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0229	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	283.81	
32 93 43 00-0230	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	416.26	
32 93 43 00-0231	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	496.90	
32 93 43 00-0232	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	638.81	
32 93 43 00-0233	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	246.20	
32 93 43 00-0234	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	378.65	
32 93 43 00-0235	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	463.56	
32 93 43 00-0236	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	591.51	
32 93 43 00-0237	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	328.86	
32 93 43 00-0238	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	411.08	
32 93 43 00-0239	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	427.52	
32 93 43 00-0240	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	509.74	
32 93 43 00-0241	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	690.62	
32 93 43 00-0242	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	904.38	
32 93 43 00-0243	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,151.03	
32 93 43 00-0244	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	328.86	
32 93 43 00-0245	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	411.08	
32 93 43 00-0246	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	279.54	
32 93 43 00-0247	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	427.52	
32 93 43 00-0248	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	509.29	
32 93 43 00-0249	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	690.62	
32 93 43 00-0250	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	904.38	
32 93 43 00-0251	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	599.04	
32 93 43 00-0252	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	748.80	
32 93 43 00-0253	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	928.52	
32 93 43 00-0254	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	1,048.33	
32 93 43 00-0255	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,168.13	
32 93 43 00-0256	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,497.61	
32 93 43 00-0257	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	455.27	
32 93 43 00-0258	EA	2" Caliper Sophora japonica - Japanese Pagoda	512.18	
32 93 43 00-0259	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	597.54	
32 93 43 00-0260	EA	3" Caliper Sophora japonica - Japanese Pagoda	873.96	
32 93 43 00-0261	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,321.10	
32 93 43 00-0262	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	340.53	
32 93 43 00-0263	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	425.66	
32 93 43 00-0264	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	527.82	
32 93 43 00-0265	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	647.01	
32 93 43 00-0266	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	783.22	
32 93 43 00-0267	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	936.46	
32 93 43 00-0268	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	442.69	
32 93 43 00-0269	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	476.74	
32 93 43 00-0270	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	578.90	
32 93 43 00-0271	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	272.42	
32 93 43 00-0272	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	323.50	
32 93 43 00-0273	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	374.58	
32 93 43 00-0274	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	425.66	
32 93 43 00-0275	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	493.77	
32 93 43 00-0276	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	629.98	
32 93 43 00-0277	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	715.11	
32 93 43 00-0278	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	817.27	
32 93 43 00-0279	EA	8' Cassia leptophlia - Gold Medallion Tree	413.23	
32 93 43 00-0280	EA	10' Cassia leptophlia - Gold Medallion Tree	524.49	
32 93 43 00-0281	EA	12' Cassia leptophlia - Gold Medallion Tree	635.74	
32 93 43 00-0282	EA	6' Magnolia grandiflora 'St. Mary's'	476.80	
32 93 43 00-0283	EA	8' Magnolia grandiflora 'St. Mary's'	842.36	
32 93 43 00-0284	EA	10' Magnolia grandiflora 'St. Mary's'	1,058.51	
32 93 43 00-0285	EA	12' Magnolia grandiflora 'St. Mary's'	1,271.48	
32 93 43 00-0286	EA	14' Magnolia grandiflora 'St. Mary's'	1,478.10	
32 93 43 00-0287	EA	16' Magnolia grandiflora 'St. Mary's'	1,748.28	
32 93 43 00-0288	EA	24" Box Magnolia grandiflora 'St. Mary's'	524.49	
32 93 43 00-0289	EA	6' Prunus cerasifera - Purple Leaf Plum	247.94	
32 93 43 00-0290	EA	8' Prunus cerasifera - Purple Leaf Plum	286.08	
32 93 43 00-0291	EA	10' Prunus cerasifera - Purple Leaf Plum	368.73	
32 93 43 00-0292	EA	24" Box Prunus cerasifera - Purple Leaf Plum	392.57	
32 93 43 00-0293	EA	30" Box Prunus cerasifera - Purple Leaf Plum	794.68	
32 93 43 00-0294	EA	36" Box Prunus cerasifera - Purple Leaf Plum	1,219.03	
32 93 43 00-0295	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	518.13	
32 93 43 00-0296	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	740.64	
32 93 43 00-0297	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	886.86	
32 93 43 00-0298	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	1,144.33	
32 93 43 00-0299	EA	1 Gallon Ribes aureum - Golden Current	6.37	
32 93 43 00-0300	EA	5 Gallon Ribes aureum - Golden Current	18.23	
32 93 43 00-0301	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	6.37	
32 93 43 00-0302	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	18.23	
32 93 43 00-0303	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	6.37	
32 93 43 00-0304	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	18.23	
32 93 43 00-0305	EA	6' Stenocarpus sinuatus - Firewheel Tree	762.89	
32 93 43 00-0306	EA	8' Stenocarpus sinuatus - Firewheel Tree	1,017.18	
32 93 43 00-0307	EA	10" Stenocarpus sinuatus - Firewheel Tree	1,271.48	
32 93 43 00-0308	EA	12' Stenocarpus sinuatus - Firewheel Tree	1,525.78	
32 93 43 00-0309	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	754.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0310	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	2,182.62	
32 93 43 00-0311	EA	1-1/2" Caliper Arbutus menziesii - Madrona	552.82	
32 93 43 00-0312	EA	2" Caliper Arbutus menziesii - Madrona	718.66	
32 93 43 00-0313	EA	2-1/2" Caliper Arbutus menziesii - Madrona	829.23	
32 93 43 00-0314	EA	3" Caliper Arbutus menziesii - Madrona	939.79	
32 93 43 00-0315	EA	3-1/2" Caliper Arbutus menziesii - Madrona	1,105.63	
32 93 43 00-0316	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	381.44	
32 93 43 00-0317	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	619.85	
32 93 43 00-0318	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	762.89	
32 93 43 00-0319	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	842.36	
32 93 43 00-0320	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	371.91	
32 93 43 00-0321	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	858.25	
32 93 43 00-0322	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,343.00	
32 93 43 00-0323	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	346.48	
32 93 43 00-0324	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	562.63	
32 93 43 00-0325	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	689.78	
32 93 43 00-0326	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	778.78	
32 93 43 00-0327	EA	6' Magnolia grandiflora - Southern Magnolia	235.22	
32 93 43 00-0328	EA	7' Magnolia grandiflora - Southern Magnolia	356.01	
32 93 43 00-0329	EA	8' Magnolia grandiflora - Southern Magnolia	499.06	
32 93 43 00-0330	EA	9' Magnolia grandiflora - Southern Magnolia	664.35	
32 93 43 00-0331	EA	10' Magnolia grandiflora - Southern Magnolia	1,010.83	
32 93 43 00-0332	EA	24" Box Magnolia grandiflora - Southern Magnolia	413.23	
32 93 43 00-0333	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	492.70	
32 93 43 00-0334	EA	2" Caliper Tipuana tipu - Tipu Tree	642.10	
32 93 43 00-0335	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	813.75	
32 93 43 00-0336	EA	3" Caliper Tipuana tipu - Tipu Tree	937.72	
32 93 43 00-0337	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,379.56	
32 93 43 00-0338	EA	4" Caliper Tipuana tipu - Tipu Tree	1,843.65	
32 93 43 00-0339	EA	24" Box Tipuana tipu - Tipu Tree	371.91	
32 93 43 00-0340	EA	6' Albizia julibrissin - Silk Tree	762.89	
32 93 43 00-0341	EA	8' Albizia julibrissin - Silk Tree	1,017.18	
32 93 43 00-0342	EA	10' Albizia julibrissin - Silk Tree	1,271.48	
32 93 43 00-0343	EA	12' Albizia julibrissin - Silk Tree	1,525.78	
32 93 43 00-0344	EA	6' Brachychiton acerifolius - Flame Tree	762.89	
32 93 43 00-0345	EA	8' Brachychiton acerifolius - Flame Tree	1,017.18	
32 93 43 00-0346	EA	10' Brachychiton acerifolius - Flame Tree	1,271.48	
32 93 43 00-0347	EA	12' Brachychiton acerifolius - Flame Tree	1,525.78	
32 93 43 00-0348	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	616.67	
32 93 43 00-0349	EA	2" Caliper Chilopsis linearis - Desert Willow	740.64	
32 93 43 00-0350	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	788.32	
32 93 43 00-0351	EA	3" Caliper Chilopsis linearis - Desert Willow	874.14	
32 93 43 00-0352	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.79	
32 93 43 00-0353	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	127.15	
32 93 43 00-0354	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	635.74	
32 93 43 00-0355	EA	5 Gallon Calodendrum capense - Cape Chestnut	47.68	
32 93 43 00-0356	EA	15 Gallon Calodendrum capense - Cape Chestnut	190.72	
32 93 43 00-0357	EA	24" Box Calodendrum capense - Cape Chestnut	715.21	
32 93 43 00-0358	EA	6' Chionanthus virginicus - White Fringe Tree	381.44	
32 93 43 00-0359	EA	8' Chionanthus virginicus - White Fringe Tree	548.25	
32 93 43 00-0360	EA	10' Chionanthus virginicus - White Fringe Tree	763.64	
32 93 43 00-0361	EA	15 Gallon Geijera parvifolia - Australian Willow	234.97	
32 93 43 00-0362	EA	24" Box Geijera parvifolia - Australian Willow	483.64	
32 93 43 00-0363	EA	30" Box Geijera parvifolia - Australian Willow	900.70	
32 93 43 00-0364	EA	36" Box Geijera parvifolia - Australian Willow	1,292.31	
32 93 43 00-0365	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	697.07	
32 93 43 00-0366	EA	2" Caliper Ginko Biloba - Maidenhair Tree	971.19	
32 93 43 00-0367	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,170.91	
32 93 43 00-0368	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,366.72	
32 93 43 00-0369	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,789.66	
32 93 43 00-0370	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,911.06	
32 93 43 00-0371	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,036.37	
32 93 43 00-0372	EA	24" Box Ginko Biloba - Maidenhair Tree	636.37	
32 93 43 00-0373	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	234.97	
32 93 43 00-0374	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	861.54	
32 93 43 00-0375	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	250.63	
32 93 43 00-0376	EA	6' Lagerstroemia indica - Crape Myrtle	466.02	
32 93 43 00-0377	EA	8' Lagerstroemia indica - Crape Myrtle	481.68	
32 93 43 00-0378	EA	10' Lagerstroemia indica - Crape Myrtle	583.50	
32 93 43 00-0379	EA	24" Box Lagerstroemia indica - Crape Myrtle	458.18	
32 93 43 00-0380	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	46.64	
32 93 43 00-0381	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	122.97	
32 93 43 00-0382	EA	24" Box Celtis Sinensis - Chinese Hackberry	402.82	
32 93 43 00-0383	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,176.66	
32 93 43 00-0384	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	46.64	
32 93 43 00-0385	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	122.97	
32 93 43 00-0386	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	402.82	
32 93 43 00-0387	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,176.66	
32 93 43 00-0388	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.78	
32 93 43 00-0389	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	38.16	
32 93 43 00-0390	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	167.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0391	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	402.82	
32 93 43 00-0392	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,060.05	
32 93 43 00-0393	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	103.88	
32 93 43 00-0394	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	339.22	
32 93 43 00-0395	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	901.04	
32 93 43 00-0396	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	2,014.10	
32 93 43 00-0397	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	29.68	
32 93 43 00-0398	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	103.88	
32 93 43 00-0399	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	339.22	
32 93 43 00-0400	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	901.04	
32 93 43 00-0401	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	2,014.10	
32 93 43 00-0402	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	29.68	
32 93 43 00-0403	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	125.09	
32 93 43 00-0404	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	339.22	
32 93 43 00-0405	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	954.04	
32 93 43 00-0406	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,438.12	
32 93 43 00-0407	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	29.68	
32 93 43 00-0408	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	125.09	
32 93 43 00-0409	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	339.22	
32 93 43 00-0410	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	954.04	
32 93 43 00-0411	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,438.12	
32 93 43 00-0412	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	29.68	
32 93 43 00-0413	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	125.09	
32 93 43 00-0414	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	339.22	
32 93 43 00-0415	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	954.04	
32 93 43 00-0416	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,438.12	
32 93 43 00-0417	EA	1 Gallon Pittosporum undulatum - Victorian Box	25.79	
32 93 43 00-0418	EA	5 Gallon Pittosporum undulatum - Victorian Box	55.56	
32 93 43 00-0419	EA	15 Gallon Pittosporum undulatum - Victorian Box	313.50	
32 93 43 00-0420	EA	24" Box Pittosporum undulatum - Victorian Box	754.00	
32 93 43 00-0421	EA	36" Box Pittosporum undulatum - Victorian Box	2,182.62	
32 93 43 00-0422	EA	48" Box Pittosporum undulatum - Victorian Box	4,960.50	
32 93 43 00-0423	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	105.90	
32 93 43 00-0424	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	381.51	
32 93 43 00-0425	EA	1 Gallon Acer macrophyllum - Bigleaf Maple	10.09	
32 93 43 00-0426	EA	2 Gallon Acer macrophyllum - Bigleaf Maple	21.63	
32 93 43 00-0427	EA	5 Gallon Acer macrophyllum - Bigleaf Maple	44.81	
32 93 43 00-0428	EA	1 Gallon Alnus rubra - Red Alder	10.09	
32 93 43 00-0429	EA	2 Gallon Alnus rubra - Red Alder	21.63	
32 93 43 00-0430	EA	1 Gallon Arbutus menziesii - Pacific Madrona	10.09	
32 93 43 00-0431	EA	2 Gallon Arbutus menziesii - Pacific Madrona	21.63	
32 93 43 00-0432	EA	1 Gallon Betula papyrifera - Paper Birch	14.39	
32 93 43 00-0433	EA	3 Gallon Betula papyrifera - Paper Birch	27.37	
32 93 43 00-0434	EA	5 Gallon Betula papyrifera - Paper Birch	56.21	
32 93 43 00-0435	EA	1 Gallon Cornus nuttallii - Pacific Dogwood	25.21	
32 93 43 00-0436	EA	1 Gallon Populus trichocarpa - Black Cottonwood	13.67	
32 93 43 00-0437	EA	2 Gallon Populus trichocarpa - Black Cottonwood	24.49	
32 93 43 00-0438	EA	1 Gallon Populus tremuloides - Quaking Aspen	15.83	
32 93 43 00-0439	EA	2 Gallon Populus tremuloides - Quaking Aspen	27.37	
32 93 43 00-0440	EA	5 Gallon Populus tremuloides - Quaking Aspen	56.21	
32 93 43 00-0441	EA	1 Gallon Acer circinatum - Vine Maple	13.67	
32 93 43 00-0442	EA	2 Gallon Acer circinatum - Vine Maple	23.04	
32 93 43 00-0443	EA	3 Gallon Acer circinatum - Vine Maple	38.91	
32 93 43 00-0444	EA	5 Gallon Acer circinatum - Vine Maple	56.21	
32 93 43 00-0445	EA	5 Gallon Acer circinatum - Vine Maple, Multi-Stem	61.98	
32 93 43 00-0446	EA	10 Gallon Acer circinatum - Vine Maple, Multi-Stem	122.55	

32 93 43 00-0447 Deciduous Shade Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0448	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	260.92	
32 93 43 00-0449	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	319.84	
32 93 43 00-0450	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	416.63	
32 93 43 00-0451	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	540.08	
32 93 43 00-0452	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	27.52	
32 93 43 00-0453	EA	4' To 5' Acer palmatum - Japanese Maple	57.79	
32 93 43 00-0454	EA	5' To 6' Acer palmatum - Japanese Maple	75.68	
32 93 43 00-0455	EA	6' To 7' Acer palmatum - Japanese Maple	137.60	
32 93 43 00-0456	EA	7' To 8' Acer palmatum - Japanese Maple	192.64	
32 93 43 00-0457	EA	8' To 10' Acer palmatum - Japanese Maple	247.68	
32 93 43 00-0458	EA	10' To 12' Acer palmatum - Japanese Maple	330.24	
32 93 43 00-0459	EA	2" Caliper Acer platanoides & cvs - Norway Maple	140.28	
32 93 43 00-0460	EA	2" Caliper Acer platanoides & cvs - Norway Maple	170.78	
32 93 43 00-0461	EA	3" Caliper Acer platanoides & cvs - Norway Maple	219.57	
32 93 43 00-0462	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	256.16	
32 93 43 00-0463	EA	4" Caliper Acer platanoides & cvs - Norway Maple	274.46	
32 93 43 00-0464	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	298.86	
32 93 43 00-0465	EA	5" Caliper Acer platanoides & cvs - Norway Maple	335.45	
32 93 43 00-0466	EA	2" Caliper Acer rubrum & cvs - Red Maple	134.18	
32 93 43 00-0467	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	170.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0468	EA	3" Caliper Acer rubrum & cvs - Red Maple	219.57	
32 93 43 00-0469	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	268.36	
32 93 43 00-0470	EA	4" Caliper Acer rubrum & cvs - Red Maple	304.96	
32 93 43 00-0471	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	353.75	
32 93 43 00-0472	EA	5" Caliper Acer rubrum & cvs - Red Maple	396.44	
32 93 43 00-0473	EA	8' Clump Form Acer rubrum & cvs - Red Maple	164.68	
32 93 43 00-0474	EA	10' Clump Form Acer rubrum & cvs - Red Maple	219.57	
32 93 43 00-0475	EA	12' Clump Form Acer rubrum & cvs - Red Maple	256.16	
32 93 43 00-0476	EA	14' Clump Form Acer rubrum & cvs - Red Maple	292.76	
32 93 43 00-0477	EA	16' Clump Form Acer rubrum & cvs - Red Maple	329.35	
32 93 43 00-0478	EA	18' Clump Form Acer rubrum & cvs - Red Maple	365.95	
32 93 43 00-0479	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	109.78	
32 93 43 00-0480	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	146.38	
32 93 43 00-0481	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	182.97	
32 93 43 00-0482	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	219.57	
32 93 43 00-0483	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	256.16	
32 93 43 00-0484	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	292.76	
32 93 43 00-0485	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	329.35	
32 93 43 00-0486	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	134.18	
32 93 43 00-0487	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	176.87	
32 93 43 00-0488	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	213.47	
32 93 43 00-0489	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	243.97	
32 93 43 00-0490	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	286.66	
32 93 43 00-0491	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	329.35	
32 93 43 00-0492	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	365.95	
32 93 43 00-0493	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	243.97	
32 93 43 00-0494	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	286.66	
32 93 43 00-0495	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	335.45	
32 93 43 00-0496	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	372.05	
32 93 43 00-0497	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	451.34	
32 93 43 00-0498	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	487.93	
32 93 43 00-0499	EA	2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	152.48	
32 93 43 00-0500	EA	2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	189.07	
32 93 43 00-0501	EA	3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	231.77	
32 93 43 00-0502	EA	3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	268.36	
32 93 43 00-0503	EA	4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	292.76	
32 93 43 00-0504	EA	4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	323.25	
32 93 43 00-0505	EA	5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple	359.85	
32 93 43 00-0506	EA	10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	219.57	
32 93 43 00-0507	EA	12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	290.32	
32 93 43 00-0508	EA	14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	337.89	
32 93 43 00-0509	EA	16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	372.05	
32 93 43 00-0510	EA	18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	451.34	
32 93 43 00-0511	EA	20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple	487.93	
32 93 43 00-0512	EA	2" Caliper Aesculus glabra - Ohio Buckeye	164.68	
32 93 43 00-0513	EA	2-1/2" Caliper Aesculus glabra - Ohio Buckeye	195.17	
32 93 43 00-0514	EA	3" Caliper Aesculus glabra - Ohio Buckeye	231.77	
32 93 43 00-0515	EA	3-1/2" Caliper Aesculus glabra - Ohio Buckeye	256.16	
32 93 43 00-0516	EA	4" Caliper Aesculus glabra - Ohio Buckeye	280.56	
32 93 43 00-0517	EA	4-1/2" Caliper Aesculus glabra - Ohio Buckeye	317.15	
32 93 43 00-0518	EA	5" Caliper Aesculus glabra - Ohio Buckeye	365.95	
32 93 43 00-0519	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	213.47	
32 93 43 00-0520	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	237.87	
32 93 43 00-0521	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	268.36	
32 93 43 00-0522	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	304.96	
32 93 43 00-0523	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	365.95	
32 93 43 00-0524	EA	2" Caliper Aesculus x carnea - Red Horsechestnut	213.47	
32 93 43 00-0525	EA	2-1/2" Caliper Aesculus x carnea - Red Horsechestnut	237.87	
32 93 43 00-0526	EA	3" Caliper Aesculus x carnea - Red Horsechestnut	268.36	
32 93 43 00-0527	EA	3-1/2" Caliper Aesculus x carnea - Red Horsechestnut	304.96	
32 93 43 00-0528	EA	4" Caliper Aesculus x carnea - Red Horsechestnut	365.95	
32 93 43 00-0529	EA	2" Caliper Alnus glutinosa - Common Alder, Black Alder	152.48	
32 93 43 00-0530	EA	2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	176.87	
32 93 43 00-0531	EA	3" Caliper Alnus glutinosa - Common Alder, Black Alder	201.27	
32 93 43 00-0532	EA	3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder	231.77	
32 93 43 00-0533	EA	8' Clump Form Alnus glutinosa - Common Alder, Black Alder	158.58	
32 93 43 00-0534	EA	10' Clump Form Alnus glutinosa - Common Alder, Black Alder	195.17	
32 93 43 00-0535	EA	12' Clump Form Alnus glutinosa - Common Alder, Black Alder	219.57	
32 93 43 00-0536	EA	14' Clump Form Alnus glutinosa - Common Alder, Black Alder	243.97	
32 93 43 00-0537	EA	16' Clump Form Alnus glutinosa - Common Alder, Black Alder	274.46	
32 93 43 00-0538	EA	18' Clump Form Alnus glutinosa - Common Alder, Black Alder	304.96	
32 93 43 00-0539	EA	2" Caliper Betula nigra - River Birch	152.48	
32 93 43 00-0540	EA	2-1/2" Caliper Betula nigra - River Birch	172.67	
32 93 43 00-0541	EA	3" Caliper Betula nigra - River Birch	195.17	
32 93 43 00-0542	EA	3-1/2" Caliper Betula nigra - River Birch	243.97	
32 93 43 00-0543	EA	4" Caliper Betula nigra - River Birch	274.46	
32 93 43 00-0544	EA	4-1/2" Caliper Betula nigra - River Birch	304.96	
32 93 43 00-0545	EA	5" Caliper Betula nigra - River Birch	335.45	
32 93 43 00-0546	EA	8' Clump Form Betula nigra - River Birch	140.28	
32 93 43 00-0547	EA	10' Clump Form Betula nigra - River Birch	158.58	
32 93 43 00-0548	EA	12' Clump Form Betula nigra - River Birch	182.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0549	EA	14' Clump Form Betula nigra - River Birch	213.47	
32 93 43 00-0550	EA	16' Clump Form Betula nigra - River Birch	243.97	
32 93 43 00-0551	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	182.97	
32 93 43 00-0552	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	219.57	
32 93 43 00-0553	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	256.16	
32 93 43 00-0554	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	304.96	
32 93 43 00-0555	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	317.15	
32 93 43 00-0556	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	243.97	
32 93 43 00-0557	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	274.46	
32 93 43 00-0558	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	317.15	
32 93 43 00-0559	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	384.25	
32 93 43 00-0560	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	109.78	
32 93 43 00-0561	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	152.48	
32 93 43 00-0562	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	189.07	
32 93 43 00-0563	EA	2" Caliper Catalpa speciosa - Northern Catalpa	134.18	
32 93 43 00-0564	EA	2-1/2" Caliper Catalpa speciosa - Northern Catalpa	182.97	
32 93 43 00-0565	EA	3" Caliper Catalpa speciosa - Northern Catalpa	237.87	
32 93 43 00-0566	EA	3-1/2" Caliper Catalpa speciosa - Northern Catalpa	286.66	
32 93 43 00-0567	EA	4" Caliper Catalpa speciosa - Northern Catalpa	329.35	
32 93 43 00-0568	EA	2" Caliper Celtis occidentalis & cvs - Common Hackberry	170.78	
32 93 43 00-0569	EA	2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	195.17	
32 93 43 00-0570	EA	3" Caliper Celtis occidentalis & cvs - Common Hackberry	237.87	
32 93 43 00-0571	EA	3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	280.56	
32 93 43 00-0572	EA	4" Caliper Celtis occidentalis & cvs - Common Hackberry	323.25	
32 93 43 00-0573	EA	4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry	365.95	
32 93 43 00-0574	EA	3" Caliper Cercidiphyllum japonicum - Katsuratree	213.47	
32 93 43 00-0575	EA	3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree	243.97	
32 93 43 00-0576	EA	4" Caliper Cercidiphyllum japonicum - Katsuratree	286.66	
32 93 43 00-0577	EA	5" Caliper Cercidiphyllum japonicum - Katsuratree	341.55	
32 93 43 00-0578	EA	6' Clump Form Cercidiphyllum japonicum - Katsuratree	170.78	
32 93 43 00-0579	EA	7' Clump Form Cercidiphyllum japonicum - Katsuratree	201.27	
32 93 43 00-0580	EA	8' Clump Form Cercidiphyllum japonicum - Katsuratree	243.97	
32 93 43 00-0581	EA	10' Clump Form Cercidiphyllum japonicum - Katsuratree	304.96	
32 93 43 00-0582	EA	12' Clump Form Cercidiphyllum japonicum - Katsuratree	365.95	
32 93 43 00-0583	EA	2" Caliper Cladrastus lutea - American Yellowwood	304.96	
32 93 43 00-0584	EA	2-1/2" Caliper Cladrastus lutea - American Yellowwood	365.95	
32 93 43 00-0585	EA	3" Caliper Cladrastus lutea - American Yellowwood	426.94	
32 93 43 00-0586	EA	3-1/2" Caliper Cladrastus lutea - American Yellowwood	487.93	
32 93 43 00-0587	EA	2" Caliper Corylus colurna - Turkish Filbert	189.07	
32 93 43 00-0588	EA	2-1/2" Caliper Corylus colurna - Turkish Filbert	213.47	
32 93 43 00-0589	EA	3" Caliper Corylus colurna - Turkish Filbert	243.97	
32 93 43 00-0590	EA	3-1/2" Caliper Corylus colurna - Turkish Filbert	280.56	
32 93 43 00-0591	EA	4" Caliper Corylus colurna - Turkish Filbert	335.45	
32 93 43 00-0592	EA	4-1/2" Caliper Corylus colurna - Turkish Filbert	390.34	
32 93 43 00-0593	EA	5" Caliper Corylus colurna - Turkish Filbert	445.24	
32 93 43 00-0594	EA	8' Clump Form Corylus colurna - Turkish Filbert	170.78	
32 93 43 00-0595	EA	10' Clump Form Corylus colurna - Turkish Filbert	207.37	
32 93 43 00-0596	EA	12' Clump Form Corylus colurna - Turkish Filbert	243.97	
32 93 43 00-0597	EA	14' Clump Form Corylus colurna - Turkish Filbert	274.46	
32 93 43 00-0598	EA	16' Clump Form Corylus colurna - Turkish Filbert	304.96	
32 93 43 00-0599	EA	1-1/2" Caliper Diospyros virginiana - Common Persimmon	109.78	
32 93 43 00-0600	EA	2" Caliper Diospyros virginiana - Common Persimmon	134.18	
32 93 43 00-0601	EA	2-1/2" Caliper Diospyros virginiana - Common Persimmon	170.78	
32 93 43 00-0602	EA	3" Caliper Diospyros virginiana - Common Persimmon	213.47	
32 93 43 00-0603	EA	3-1/2" Caliper Diospyros virginiana - Common Persimmon	256.16	
32 93 43 00-0604	EA	1-1/2" Caliper Fagus grandifolia - American Beech	243.97	
32 93 43 00-0605	EA	2" Caliper Fagus grandifolia - American Beech	317.15	
32 93 43 00-0606	EA	2-1/2" Caliper Fagus grandifolia - American Beech	402.54	
32 93 43 00-0607	EA	3" Caliper Fagus grandifolia - American Beech	487.93	
32 93 43 00-0608	EA	3-1/2" Caliper Fagus grandifolia - American Beech	579.42	
32 93 43 00-0609	EA	2" Caliper Fagus sylvatica & cvs - European Beech	274.46	
32 93 43 00-0610	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	329.35	
32 93 43 00-0611	EA	3" Caliper Fagus sylvatica & cvs - European Beech	396.44	
32 93 43 00-0612	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	439.14	
32 93 43 00-0613	EA	4" Caliper Fagus sylvatica & cvs - European Beech	518.43	
32 93 43 00-0614	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	670.90	
32 93 43 00-0615	EA	5" Caliper Fagus sylvatica & cvs - European Beech	792.89	
32 93 43 00-0616	EA	2" Caliper Fraxinus americana & cvs - White Ash	152.48	
32 93 43 00-0617	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	182.97	
32 93 43 00-0618	EA	3" Caliper Fraxinus americana & cvs - White Ash	231.77	
32 93 43 00-0619	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	280.56	
32 93 43 00-0620	EA	4" Caliper Fraxinus americana & cvs - White Ash	329.35	
32 93 43 00-0621	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	365.95	
32 93 43 00-0622	EA	5" Caliper Fraxinus americana & cvs - White Ash	426.94	
32 93 43 00-0623	EA	2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	134.18	
32 93 43 00-0624	EA	2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	158.58	
32 93 43 00-0625	EA	3" Caliper Fraxinus pennsylvanica & cvs - Green Ash	213.47	
32 93 43 00-0626	EA	3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	256.16	
32 93 43 00-0627	EA	4" Caliper Fraxinus pennsylvanica & cvs - Green Ash	304.96	
32 93 43 00-0628	EA	4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash	329.35	
32 93 43 00-0629	EA	5" Caliper Fraxinus pennsylvanica & cvs - Green Ash	365.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0630	EA	1-1/2" Caliper Fraxinus quadrangulata - Blue Ash	182.97	
32 93 43 00-0631	EA	2" Caliper Fraxinus quadrangulata - Blue Ash	225.67	
32 93 43 00-0632	EA	2-1/2" Caliper Fraxinus quadrangulata - Blue Ash	274.46	
32 93 43 00-0633	EA	3" Caliper Fraxinus quadrangulata - Blue Ash	335.45	
32 93 43 00-0634	EA	3-1/2" Caliper Fraxinus quadrangulata - Blue Ash	396.44	
32 93 43 00-0635	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	213.47	
32 93 43 00-0636	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	237.87	
32 93 43 00-0637	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	268.36	
32 93 43 00-0638	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	298.86	
32 93 43 00-0639	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	335.45	
32 93 43 00-0640	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	365.95	
32 93 43 00-0641	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	548.92	
32 93 43 00-0642	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	609.91	
32 93 43 00-0643	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	146.38	
32 93 43 00-0644	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	182.97	
32 93 43 00-0645	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	219.57	
32 93 43 00-0646	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	256.16	
32 93 43 00-0647	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	292.76	
32 93 43 00-0648	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	329.35	
32 93 43 00-0649	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	390.34	
32 93 43 00-0650	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	77.15	
32 93 43 00-0651	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	91.18	
32 93 43 00-0652	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	126.25	
32 93 43 00-0653	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	164.13	
32 93 43 00-0654	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	182.36	
32 93 43 00-0655	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	216.03	
32 93 43 00-0656	EA	2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	189.07	
32 93 43 00-0657	EA	2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	231.77	
32 93 43 00-0658	EA	3" Caliper Gymnocladus dioicus - Kentucky Coffeetree	274.46	
32 93 43 00-0659	EA	3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	323.25	
32 93 43 00-0660	EA	4" Caliper Gymnocladus dioicus - Kentucky Coffeetree	365.95	
32 93 43 00-0661	EA	4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree	408.64	
32 93 43 00-0662	EA	5" Caliper Gymnocladus dioicus - Kentucky Coffeetree	457.43	
32 93 43 00-0663	EA	1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree	94.40	
32 93 43 00-0664	EA	2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree	115.63	
32 93 43 00-0665	EA	2-1/2' To 3" Caliper Zelkova serrata - Japanese Keaki Tree	146.50	
32 93 43 00-0666	EA	1-1/2" Caliper Juglans cinerea - Butternut	146.38	
32 93 43 00-0667	EA	2" Caliper Juglans cinerea - Butternut	170.78	
32 93 43 00-0668	EA	2-1/2" Caliper Juglans cinerea - Butternut	213.47	
32 93 43 00-0669	EA	3" Caliper Juglans cinerea - Butternut	268.36	
32 93 43 00-0670	EA	3-1/2" Caliper Juglans cinerea - Butternut	329.35	
32 93 43 00-0671	EA	1-1/2" Caliper Juglans californica - California Walnut	146.38	
32 93 43 00-0672	EA	2" Caliper Juglans californica - California Walnut	170.78	
32 93 43 00-0673	EA	2-1/2" Caliper Juglans californica - California Walnut	213.47	
32 93 43 00-0674	EA	3" Caliper Juglans californica - California Walnut	268.36	
32 93 43 00-0675	EA	3-1/2" Caliper Juglans californica - California Walnut	329.35	
32 93 43 00-0676	EA	4" Caliper Juglans californica - California Walnut	396.44	
32 93 43 00-0677	EA	4-1/2" Caliper Juglans californica - California Walnut	457.43	
32 93 43 00-0678	EA	5" Caliper Juglans californica - California Walnut	518.43	
32 93 43 00-0679	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	16.51	
32 93 43 00-0680	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	41.28	
32 93 43 00-0681	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	82.56	
32 93 43 00-0682	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	107.33	
32 93 43 00-0683	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	78.43	
32 93 43 00-0684	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	94.95	
32 93 43 00-0685	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	132.10	
32 93 43 00-0686	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	195.17	
32 93 43 00-0687	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	243.97	
32 93 43 00-0688	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	304.96	
32 93 43 00-0689	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	365.95	
32 93 43 00-0690	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	426.94	
32 93 43 00-0691	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	195.17	
32 93 43 00-0692	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	268.36	
32 93 43 00-0693	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	317.15	
32 93 43 00-0694	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	365.95	
32 93 43 00-0695	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	414.74	
32 93 43 00-0696	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	146.38	
32 93 43 00-0697	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	262.26	
32 93 43 00-0698	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	317.15	
32 93 43 00-0699	EA	10' To 12' Swietenia Mahagoni - Mahogany	108.02	
32 93 43 00-0700	EA	12' To 14' Swietenia Mahagoni - Mahogany	126.25	
32 93 43 00-0701	EA	14' To 16' Swietenia Mahagoni - Mahogany	168.34	
32 93 43 00-0702	EA	16' To 18' Swietenia Mahagoni - Mahogany	189.38	
32 93 43 00-0703	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	195.17	
32 93 43 00-0704	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	243.97	
32 93 43 00-0705	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	304.96	
32 93 43 00-0706	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	365.95	
32 93 43 00-0707	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	426.94	
32 93 43 00-0708	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	85.39	
32 93 43 00-0709	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	97.59	
32 93 43 00-0710	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	115.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0711	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	146.38	
32 93 43 00-0712	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	182.97	
32 93 43 00-0713	EA	2" Caliper Ostrya virginiana - American Hophornbeam	158.58	
32 93 43 00-0714	EA	2-1/2" Caliper Ostrya virginiana - American Hophornbeam	201.27	
32 93 43 00-0715	EA	3" Caliper Ostrya virginiana - American Hophornbeam	243.97	
32 93 43 00-0716	EA	3-1/2" Caliper Ostrya virginiana - American Hophornbeam	286.66	
32 93 43 00-0717	EA	4" Caliper Ostrya virginiana - American Hophornbeam	347.65	
32 93 43 00-0718	EA	2" Caliper Phellodendron amurense - Amur Corktree	121.98	
32 93 43 00-0719	EA	2-1/2" Caliper Phellodendron amurense - Amur Corktree	152.48	
32 93 43 00-0720	EA	3" Caliper Phellodendron amurense - Amur Corktree	182.97	
32 93 43 00-0721	EA	3-1/2" Caliper Phellodendron amurense - Amur Corktree	213.47	
32 93 43 00-0722	EA	4" Caliper Phellodendron amurense - Amur Corktree	243.97	
32 93 43 00-0723	EA	4-1/2" Caliper Phellodendron amurense - Amur Corktree	274.46	
32 93 43 00-0724	EA	5" Caliper Phellodendron amurense - Amur Corktree	304.96	
32 93 43 00-0725	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	364.20	
32 93 43 00-0726	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	650.07	
32 93 43 00-0727	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	951.61	
32 93 43 00-0728	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,182.66	
32 93 43 00-0729	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,531.20	
32 93 43 00-0730	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,742.66	
32 93 43 00-0731	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	458.18	
32 93 43 00-0732	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	264.98	
32 93 43 00-0733	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	385.42	
32 93 43 00-0734	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	573.34	
32 93 43 00-0735	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	88.66	
32 93 43 00-0736	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	106.00	
32 93 43 00-0737	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	144.53	
32 93 43 00-0738	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	175.40	
32 93 43 00-0739	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	72.95	
32 93 43 00-0740	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	91.18	
32 93 43 00-0741	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	161.32	
32 93 43 00-0742	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	231.46	
32 93 43 00-0743	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	146.38	
32 93 43 00-0744	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	176.87	
32 93 43 00-0745	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	213.47	
32 93 43 00-0746	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	256.16	
32 93 43 00-0747	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	304.96	
32 93 43 00-0748	EA	2" Caliper Populus alba & cvs - White Poplar	146.38	
32 93 43 00-0749	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	170.78	
32 93 43 00-0750	EA	3" Caliper Populus alba & cvs - White Poplar	195.17	
32 93 43 00-0751	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	231.77	
32 93 43 00-0752	EA	4" Caliper Populus alba & cvs - White Poplar	256.16	
32 93 43 00-0753	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	292.76	
32 93 43 00-0754	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	134.18	
32 93 43 00-0755	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	176.87	
32 93 43 00-0756	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	213.47	
32 93 43 00-0757	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	256.16	
32 93 43 00-0758	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	304.96	
32 93 43 00-0759	EA	6' To 8' Quercus acutissima - Sawtooth Oak	45.87	
32 93 43 00-0760	EA	8' To 10' Quercus acutissima - Sawtooth Oak	68.80	
32 93 43 00-0761	EA	10' To 12' Quercus acutissima - Sawtooth Oak	80.27	
32 93 43 00-0762	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	91.73	
32 93 43 00-0763	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	103.20	
32 93 43 00-0764	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	363.27	
32 93 43 00-0765	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	489.58	
32 93 43 00-0766	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	662.12	
32 93 43 00-0767	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	883.76	
32 93 43 00-0768	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	1,066.13	
32 93 43 00-0769	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,178.35	
32 93 43 00-0770	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,585.16	
32 93 43 00-0771	EA	6-1/2" To 7" Caliper Quercus Virginiana - Live Oak	1,991.98	
32 93 43 00-0772	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,398.79	
32 93 43 00-0773	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,910.81	
32 93 43 00-0774	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,422.83	
32 93 43 00-0775	EA	2" Caliper Quercus alba - White Oak	182.97	
32 93 43 00-0776	EA	2-1/2" Caliper Quercus alba - White Oak	213.47	
32 93 43 00-0777	EA	3" Caliper Quercus alba - White Oak	268.36	
32 93 43 00-0778	EA	3-1/2" Caliper Quercus alba - White Oak	335.45	
32 93 43 00-0779	EA	4" Caliper Quercus alba - White Oak	396.44	
32 93 43 00-0780	EA	4-1/2" Caliper Quercus alba - White Oak	487.93	
32 93 43 00-0781	EA	5" Caliper Quercus alba - White Oak	579.42	
32 93 43 00-0782	EA	2" Caliper Quercus bicolor - Swamp White Oak	213.47	
32 93 43 00-0783	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	243.97	
32 93 43 00-0784	EA	3" Caliper Quercus bicolor - Swamp White Oak	280.56	
32 93 43 00-0785	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	311.06	
32 93 43 00-0786	EA	4" Caliper Quercus bicolor - Swamp White Oak	353.75	
32 93 43 00-0787	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	390.34	
32 93 43 00-0788	EA	5" Caliper Quercus bicolor - Swamp White Oak	439.14	
32 93 43 00-0789	EA	10' Clump Form Quercus bicolor - Swamp White Oak	304.96	
32 93 43 00-0790	EA	12' Clump Form Quercus bicolor - Swamp White Oak	365.95	
32 93 43 00-0791	EA	14' Clump Form Quercus bicolor - Swamp White Oak	426.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0792	EA	16' Clump Form Quercus bicolor - Swamp White Oak	487.93	
32 93 43 00-0793	EA	2" Caliper Quercus coccinea - Scarlet Oak	158.58	
32 93 43 00-0794	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	201.27	
32 93 43 00-0795	EA	3" Caliper Quercus coccinea - Scarlet Oak	250.06	
32 93 43 00-0796	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	304.96	
32 93 43 00-0797	EA	4" Caliper Quercus coccinea - Scarlet Oak	365.95	
32 93 43 00-0798	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	433.04	
32 93 43 00-0799	EA	5" Caliper Quercus coccinea - Scarlet Oak	506.23	
32 93 43 00-0800	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	158.58	
32 93 43 00-0801	EA	2" Caliper Quercus imbricaria - Shingle Oak	213.47	
32 93 43 00-0802	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	286.66	
32 93 43 00-0803	EA	3" Caliper Quercus imbricaria - Shingle Oak	426.94	
32 93 43 00-0804	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	579.42	
32 93 43 00-0805	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	158.58	
32 93 43 00-0806	EA	2" Caliper Quercus macrocarpa - Bur Oak	189.07	
32 93 43 00-0807	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	225.67	
32 93 43 00-0808	EA	3" Caliper Quercus macrocarpa - Bur Oak	274.46	
32 93 43 00-0809	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	335.45	
32 93 43 00-0810	EA	4" Caliper Quercus macrocarpa - Bur Oak	396.44	
32 93 43 00-0811	EA	9' Clump Form Quercus macrocarpa - Bur Oak	365.95	
32 93 43 00-0812	EA	10' Clump Form Quercus macrocarpa - Bur Oak	426.94	
32 93 43 00-0813	EA	12' Clump Form Quercus macrocarpa - Bur Oak	487.93	
32 93 43 00-0814	EA	2" Caliper Quercus palustris - Pin Oak	134.18	
32 93 43 00-0815	EA	2-1/2" Caliper Quercus palustris - Pin Oak	182.97	
32 93 43 00-0816	EA	3" Caliper Quercus palustris - Pin Oak	237.87	
32 93 43 00-0817	EA	3-1/2" Caliper Quercus palustris - Pin Oak	274.46	
32 93 43 00-0818	EA	4" Caliper Quercus palustris - Pin Oak	317.15	
32 93 43 00-0819	EA	4-1/2" Caliper Quercus palustris - Pin Oak	359.85	
32 93 43 00-0820	EA	5" Caliper Quercus palustris - Pin Oak	396.44	
32 93 43 00-0821	EA	2" Caliper Quercus robur & cvs - English Oak	158.58	
32 93 43 00-0822	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	195.17	
32 93 43 00-0823	EA	3" Caliper Quercus robur & cvs - English Oak	231.77	
32 93 43 00-0824	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	274.46	
32 93 43 00-0825	EA	4" Caliper Quercus robur & cvs - English Oak	317.15	
32 93 43 00-0826	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	365.95	
32 93 43 00-0827	EA	5" Caliper Quercus robur & cvs - English Oak	414.74	
32 93 43 00-0828	EA	2" Caliper Quercus rubra - Red Oak	182.97	
32 93 43 00-0829	EA	2-1/2" Caliper Quercus rubra - Red Oak	213.47	
32 93 43 00-0830	EA	3" Caliper Quercus rubra - Red Oak	256.16	
32 93 43 00-0831	EA	3-1/2" Caliper Quercus rubra - Red Oak	304.96	
32 93 43 00-0832	EA	4" Caliper Quercus rubra - Red Oak	365.95	
32 93 43 00-0833	EA	4-1/2" Caliper Quercus rubra - Red Oak	426.94	
32 93 43 00-0834	EA	5" Caliper Quercus rubra - Red Oak	487.93	
32 93 43 00-0835	EA	16' Clump Form Quercus rubra - Red Oak	396.44	
32 93 43 00-0836	EA	18' Clump Form Quercus rubra - Red Oak	475.73	
32 93 43 00-0837	EA	20' Clump Form Quercus rubra - Red Oak	530.62	
32 93 43 00-0838	EA	2" Caliper Quercus shumardii - Shumard Oak	207.37	
32 93 43 00-0839	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	262.26	
32 93 43 00-0840	EA	3" Caliper Quercus shumardii - Shumard Oak	304.96	
32 93 43 00-0841	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	365.95	
32 93 43 00-0842	EA	4" Caliper Quercus shumardii - Shumard Oak	426.94	
32 93 43 00-0843	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	487.93	
32 93 43 00-0844	EA	5" Caliper Quercus shumardii - Shumard Oak	548.92	
32 93 43 00-0845	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	182.97	
32 93 43 00-0846	EA	2-1/2" Caliper Quercus schuettii - Swamp Bur Oak	219.57	
32 93 43 00-0847	EA	3" Caliper Quercus schuettii - Swamp Bur Oak	274.46	
32 93 43 00-0848	EA	3-1/2" Caliper Quercus schuettii - Swamp Bur Oak	335.45	
32 93 43 00-0849	EA	4" Caliper Quercus schuettii - Swamp Bur Oak	390.34	
32 93 43 00-0850	EA	4-1/2" Caliper Quercus schuettii - Swamp Bur Oak	439.14	
32 93 43 00-0851	EA	1-1/2" Caliper Quercus suber - Cork Oak	548.25	
32 93 43 00-0852	EA	2" Caliper Quercus suber - Cork Oak	759.72	
32 93 43 00-0853	EA	2-1/2" Caliper Quercus suber - Cork Oak	971.19	
32 93 43 00-0854	EA	3" Caliper Quercus suber - Cork Oak	1,213.99	
32 93 43 00-0855	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,820.99	
32 93 43 00-0856	EA	4" Caliper Quercus suber - Cork Oak	2,349.66	
32 93 43 00-0857	EA	4-1/2" Caliper Quercus suber - Cork Oak	3,054.56	
32 93 43 00-0858	EA	1-1/2" Caliper Quercus ilex - Holly Oak	607.00	
32 93 43 00-0859	EA	2" Caliper Quercus ilex - Holly Oak	818.46	
32 93 43 00-0860	EA	2-1/2" Caliper Quercus ilex - Holly Oak	1,002.52	
32 93 43 00-0861	EA	3" Caliper Quercus ilex - Holly Oak	1,213.99	
32 93 43 00-0862	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,820.99	
32 93 43 00-0863	EA	4" Caliper Quercus ilex - Holly Oak	2,349.66	
32 93 43 00-0864	EA	24" Box Salix babylonica - Weeping Willow	154.16	
32 93 43 00-0865	EA	36" Box Salix babylonica - Weeping Willow	385.42	
32 93 43 00-0866	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	88.66	
32 93 43 00-0867	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	106.00	
32 93 43 00-0868	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	115.63	
32 93 43 00-0869	EA	2" Caliper Salix alba & cvs - White Willow	97.59	
32 93 43 00-0870	EA	2-1/2" Caliper Salix alba & cvs - White Willow	115.88	
32 93 43 00-0871	EA	3" Caliper Salix alba & cvs - White Willow	152.48	
32 93 43 00-0872	EA	3-1/2" Caliper Salix alba & cvs - White Willow	182.97	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0873	EA	4" Caliper Salix alba & cvs - White Willow	219.57	
32 93 43 00-0874	EA	4-1/2" Caliper Salix alba & cvs - White Willow	256.16	
32 93 43 00-0875	EA	5" Caliper Salix alba & cvs - White Willow	292.76	
32 93 43 00-0876	EA	5' Clump Form Sassafras albidum - Common Sassafras	115.88	
32 93 43 00-0877	EA	6' Clump Form Sassafras albidum - Common Sassafras	140.28	
32 93 43 00-0878	EA	7' Clump Form Sassafras albidum - Common Sassafras	176.87	
32 93 43 00-0879	EA	8' Clump Form Sassafras albidum - Common Sassafras	201.27	
32 93 43 00-0880	EA	10' Clump Form Sassafras albidum - Common Sassafras	225.67	
32 93 43 00-0881	EA	12' Clump Form Sassafras albidum - Common Sassafras	274.46	
32 93 43 00-0882	EA	14' Clump Form Sassafras albidum - Common Sassafras	335.45	
32 93 43 00-0883	EA	16' Clump Form Sassafras albidum - Common Sassafras	396.44	
32 93 43 00-0884	EA	1-3/4" Caliper Sophora japonica - Chinese Scholar	202.00	
32 93 43 00-0885	EA	2" Caliper Sophora japonica - Chinese Scholar	224.45	
32 93 43 00-0886	EA	2-1/2" Caliper Sophora japonica - Chinese Scholar	301.60	
32 93 43 00-0887	EA	3" Caliper Sophora japonica - Chinese Scholar	392.78	
32 93 43 00-0888	EA	3-1/2" Caliper Sophora japonica - Chinese Scholar	455.91	
32 93 43 00-0889	EA	2" Caliper Taxodium distichum - Common Bald Cypress	152.48	
32 93 43 00-0890	EA	2-1/2" Caliper Taxodium distichum - Common Bald Cypress	176.87	
32 93 43 00-0891	EA	3" Caliper Taxodium distichum - Common Bald Cypress	213.47	
32 93 43 00-0892	EA	3-1/2" Caliper Taxodium distichum - Common Bald Cypress	243.97	
32 93 43 00-0893	EA	4" Caliper Taxodium distichum - Common Bald Cypress	268.36	
32 93 43 00-0894	EA	6' Clump Form Taxodium distichum - Common Bald Cypress	134.18	
32 93 43 00-0895	EA	7' Clump Form Taxodium distichum - Common Bald Cypress	152.48	
32 93 43 00-0896	EA	8' Clump Form Taxodium distichum - Common Bald Cypress	219.57	
32 93 43 00-0897	EA	10' Clump Form Taxodium distichum - Common Bald Cypress	243.97	
32 93 43 00-0898	EA	12' Clump Form Taxodium distichum - Common Bald Cypress	274.46	
32 93 43 00-0899	EA	14' Clump Form Taxodium distichum - Common Bald Cypress	317.15	
32 93 43 00-0900	EA	16' Clump Form Taxodium distichum - Common Bald Cypress	365.95	
32 93 43 00-0901	EA	2' Thuja occidentalis - American Arborviatae	20.90	
32 93 43 00-0902	EA	2-1/2' Thuja occidentalis - American Arborviatae	22.59	
32 93 43 00-0903	EA	3' Thuja occidentalis - American Arborviatae	32.26	
32 93 43 00-0904	EA	4' Thuja occidentalis - American Arborviatae	44.33	
32 93 43 00-0905	EA	5' Thuja occidentalis - American Arborviatae	61.72	
32 93 43 00-0906	EA	6' Thuja occidentalis - American Arborviatae	85.57	
32 93 43 00-0907	EA	7' Thuja occidentalis - American Arborviatae	103.81	
32 93 43 00-0908	EA	8' Thuja occidentalis - American Arborviatae	145.89	
32 93 43 00-0909	EA	2" Caliper Tilia americana & cvs - American Linden Basswood	152.48	
32 93 43 00-0910	EA	2-1/2" Caliper Tilia americana & cvs - American Linden Basswood	176.87	
32 93 43 00-0911	EA	3" Caliper Tilia americana & cvs - American Linden Basswood	225.67	
32 93 43 00-0912	EA	3-1/2" Caliper Tilia americana & cvs - American Linden Basswood	262.26	
32 93 43 00-0913	EA	4" Caliper Tilia americana & cvs - American Linden; Basswood	298.86	
32 93 43 00-0914	EA	4-1/2" Caliper Tilia americana & cvs - American Linden Basswood	335.45	
32 93 43 00-0915	EA	5" Caliper Tilia americana & cvs - American Linden Basswood	365.95	
32 93 43 00-0916	EA	10' Clump Form Tilia americana & cvs - American Linden Basswood	195.17	
32 93 43 00-0917	EA	12' Clump Form Tilia americana & cvs - American Linden Basswood	213.47	
32 93 43 00-0918	EA	14' Clump Form Tilia americana & cvs - American Linden Basswood	243.97	
32 93 43 00-0919	EA	16' Clump Form Tilia americana & cvs - American Linden Basswood	280.56	
32 93 43 00-0920	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	153.39	
32 93 43 00-0921	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	185.29	
32 93 43 00-0922	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	213.47	
32 93 43 00-0923	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	262.26	
32 93 43 00-0924	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	298.86	
32 93 43 00-0925	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	335.45	
32 93 43 00-0926	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	372.05	
32 93 43 00-0927	EA	2" Caliper Tilia tomentosa & cvs - Silver Linden	170.78	
32 93 43 00-0928	EA	2-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	189.07	
32 93 43 00-0929	EA	3" Caliper Tilia tomentosa & cvs - Silver Linden	207.37	
32 93 43 00-0930	EA	3-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	231.77	
32 93 43 00-0931	EA	4" Caliper Tilia tomentosa & cvs - Silver Linden	268.36	
32 93 43 00-0932	EA	4-1/2" Caliper Tilia tomentosa & cvs - Silver Linden	317.15	
32 93 43 00-0933	EA	5" Caliper Tilia tomentosa & cvs - Silver Linden	414.74	
32 93 43 00-0934	EA	2" Caliper Tilia x euchlora - Crimean Linden	170.78	
32 93 43 00-0935	EA	2-1/2" Caliper Tilia x euchlora - Crimean Linden	219.57	
32 93 43 00-0936	EA	3" Caliper Tilia x euchlora - Crimean Linden	268.36	
32 93 43 00-0937	EA	3-1/2" Caliper Tilia x euchlora - Crimean Linden	304.96	
32 93 43 00-0938	EA	4" Caliper Tilia x euchlora - Crimean Linden	341.55	
32 93 43 00-0939	EA	4-1/2" Caliper Tilia x euchlora - Crimean Linden	384.25	
32 93 43 00-0940	EA	5" Caliper Tilia x euchlora - Crimean Linden	414.74	
32 93 43 00-0941	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	170.78	
32 93 43 00-0942	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	195.17	
32 93 43 00-0943	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	213.47	
32 93 43 00-0944	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	231.77	
32 93 43 00-0945	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	256.16	
32 93 43 00-0946	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	304.96	
32 93 43 00-0947	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	359.85	
32 93 43 00-0948	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	195.17	
32 93 43 00-0949	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	213.47	
32 93 43 00-0950	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	231.77	
32 93 43 00-0951	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	256.16	
32 93 43 00-0952	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	304.96	
32 93 43 00-0953	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	359.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0954	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	414.74	
32 93 43 00-0955	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	195.17	
32 93 43 00-0956	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	213.47	
32 93 43 00-0957	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	231.77	
32 93 43 00-0958	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	256.16	
32 93 43 00-0959	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	304.96	
32 93 43 00-0960	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	359.85	
32 93 43 00-0961	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	414.74	
32 93 43 00-0962		**Evergreen Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0963	EA	6' Abies balsamea - Balsam Fir	149.14	
32 93 43 00-0964	EA	7' Abies balsamea - Balsam Fir	186.42	
32 93 43 00-0965	EA	8' Abies balsamea - Balsam Fir	223.71	
32 93 43 00-0966	EA	9' Abies balsamea - Balsam Fir	298.28	
32 93 43 00-0967	EA	10' Abies balsamea - Balsam Fir	372.85	
32 93 43 00-0968	EA	12' Abies balsamea - Balsam Fir	447.42	
32 93 43 00-0969	EA	6' Abies concolor - White Fir	216.25	
32 93 43 00-0970	EA	7' Abies concolor - White Fir	246.08	
32 93 43 00-0971	EA	8' Abies concolor - White Fir	290.82	
32 93 43 00-0972	EA	9' Abies concolor - White Fir	335.56	
32 93 43 00-0973	EA	10' Abies concolor - White Fir	395.22	
32 93 43 00-0974	EA	12' Abies concolor - White Fir	484.70	
32 93 43 00-0975	EA	14' Abies concolor - White Fir	596.56	
32 93 43 00-0976	EA	16' Abies concolor - White Fir	671.13	
32 93 43 00-0977	EA	6' Abies fraseri - Frasier Fir	149.14	
32 93 43 00-0978	EA	7' Abies fraseri - Frasier Fir	186.42	
32 93 43 00-0979	EA	8' Abies fraseri - Frasier Fir	223.71	
32 93 43 00-0980	EA	9' Abies fraseri - Frasier Fir	298.28	
32 93 43 00-0981	EA	10' Abies fraseri - Frasier Fir	372.85	
32 93 43 00-0982	EA	12' Abies fraseri - Frasier Fir	447.42	
32 93 43 00-0983	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	26.86	
32 93 43 00-0984	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	43.18	
32 93 43 00-0985	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	64.15	
32 93 43 00-0986	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	86.31	
32 93 43 00-0987	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	122.53	
32 93 43 00-0988	EA	6' Cedrus decurrens - Incese Cedar	125.20	
32 93 43 00-0989	EA	8' Cedrus decurrens - Incese Cedar	258.98	
32 93 43 00-0990	EA	10' Cedrus decurrens - Incese Cedar	343.02	
32 93 43 00-0991	EA	12' Cedrus decurrens - Incese Cedar	454.50	
32 93 43 00-0992	EA	6' To 8' Cedrus deodara - Indian Cedar	110.87	
32 93 43 00-0993	EA	8' To 10' Cedrus deodara - Indian Cedar	128.36	
32 93 43 00-0994	EA	10' To 12' Cedrus deodara - Indian Cedar	175.02	
32 93 43 00-0995	EA	12' To 14' Cedrus deodara - Indian Cedar	227.51	
32 93 43 00-0996	EA	14' To 16' Cedrus deodara - Indian Cedar	291.72	
32 93 43 00-0997	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	34.66	
32 93 43 00-0998	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	51.99	
32 93 43 00-0999	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	80.87	
32 93 43 00-1000	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	138.63	
32 93 43 00-1001	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	42.00	
32 93 43 00-1002	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	65.39	
32 93 43 00-1003	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	81.65	
32 93 43 00-1004	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	116.70	
32 93 43 00-1005	EA	1 Gallon Cleyera japonica - Japanese Cleyera	4.73	
32 93 43 00-1006	EA	3 Gallon Cleyera japonica - Japanese Cleyera	11.86	
32 93 43 00-1007	EA	7 Gallon Cleyera japonica - Japanese Cleyera	33.97	
32 93 43 00-1008	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	19.07	
32 93 43 00-1009	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	76.27	
32 93 43 00-1010	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	33.37	
32 93 43 00-1011	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	42.90	
32 93 43 00-1012	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	66.73	
32 93 43 00-1013	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	162.07	
32 93 43 00-1014	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.48	
32 93 43 00-1015	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	15.65	
32 93 43 00-1016	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	52.15	
32 93 43 00-1017	EA	5 Gallon Cupressus sempervirens - Italian Cypress	17.95	
32 93 43 00-1018	EA	15 Gallon Cupressus sempervirens - Italian Cypress	49.35	
32 93 43 00-1019	EA	1 Gallon Illicium anisatum - Anise Tree	5.13	
32 93 43 00-1020	EA	3 Gallon Illicium anisatum - Anise Tree	11.86	
32 93 43 00-1021	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	5.27	
32 93 43 00-1022	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	10.32	
32 93 43 00-1023	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	12.79	
32 93 43 00-1024	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	15.03	
32 93 43 00-1025	EA	1 Gallon Juniperus - Blue Sargent Juniper	5.27	
32 93 43 00-1026	EA	2 Gallon Juniperus - Blue Sargent Juniper	10.32	
32 93 43 00-1027	EA	3 Gallon Juniperus - Blue Sargent Juniper	12.79	
32 93 43 00-1028	EA	5 Gallon Juniperus - Blue Sargent Juniper	15.03	
32 93 43 00-1029	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	15.03	
32 93 43 00-1030	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	16.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1031	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	19.63	
32 93 43 00-1032	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	29.16	
32 93 43 00-1033	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	33.76	
32 93 43 00-1034	EA	5' To 6' Juniperus - Fairview Juniper	50.28	
32 93 43 00-1035	EA	1 Gallon Juniperus - Hollywood Juniper	6.73	
32 93 43 00-1036	EA	5 Gallon Juniperus - Hollywood Juniper	18.73	
32 93 43 00-1037	EA	15 Gallon Juniperus - Hollywood Juniper	79.41	
32 93 43 00-1038	EA	4' To 5' Juniperus - Hollywood Juniper	52.49	
32 93 43 00-1039	EA	5' To 6' Juniperus - Hollywood Juniper	67.63	
32 93 43 00-1040	EA	1 Gallon Juniperus - Parson's Juniper	5.27	
32 93 43 00-1041	EA	2 Gallon Juniperus - Parson's Juniper	10.43	
32 93 43 00-1042	EA	3 Gallon Juniperus - Parson's Juniper	12.90	
32 93 43 00-1043	EA	5 Gallon Juniperus - Parson's Juniper	15.25	
32 93 43 00-1044	EA	5 Gallon Juniperus - Skyrocket Juniper	18.84	
32 93 43 00-1045	EA	15 Gallon Juniperus - Skyrocket Juniper	80.19	
32 93 43 00-1046	EA	2' To 3' Juniperus - Skyrocket Juniper	28.26	
32 93 43 00-1047	EA	3' To 4' Juniperus - Skyrocket Juniper	40.04	
32 93 43 00-1048	EA	4' To 5' Juniperus - Skyrocket Juniper	53.05	
32 93 43 00-1049	EA	5' To 6' Juniperus - Skyrocket Juniper	68.42	
32 93 43 00-1050	EA	6' To 8' Juniperus - Skyrocket Juniper	88.38	
32 93 43 00-1051	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.27	
32 93 43 00-1052	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	10.38	
32 93 43 00-1053	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	12.73	
32 93 43 00-1054	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	15.09	
32 93 43 00-1055	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.27	
32 93 43 00-1056	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	10.38	
32 93 43 00-1057	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	12.73	
32 93 43 00-1058	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	15.09	
32 93 43 00-1059	EA	2' To 3' Juniperus virginiana - Eastern Red Cedar	28.26	
32 93 43 00-1060	EA	3' To 4' Juniperus virginiana - Eastern Red Cedar	40.04	
32 93 43 00-1061	EA	4' To 5' Juniperus virginiana - Eastern Red Cedar	53.05	
32 93 43 00-1062	EA	5' To 6' Juniperus virginiana - Eastern Red Cedar	68.42	
32 93 43 00-1063	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	360.17	
32 93 43 00-1064	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	480.23	
32 93 43 00-1065	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	600.28	
32 93 43 00-1066	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	720.34	
32 93 43 00-1067	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	356.74	
32 93 43 00-1068	EA	6' Melaleuca quinquenervia - Cajeput Tree	360.17	
32 93 43 00-1069	EA	8' Melaleuca quinquenervia - Cajeput Tree	480.23	
32 93 43 00-1070	EA	10' Melaleuca quinquenervia - Cajeput Tree	600.28	
32 93 43 00-1071	EA	12' Melaleuca quinquenervia - Cajeput Tree	720.34	
32 93 43 00-1072	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	200.67	
32 93 43 00-1073	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	505.95	
32 93 43 00-1074	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	797.52	
32 93 43 00-1075	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	106.34	
32 93 43 00-1076	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	144.07	
32 93 43 00-1077	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	245.26	
32 93 43 00-1078	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	303.57	
32 93 43 00-1079	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	202.00	
32 93 43 00-1080	EA	5' Picea abies & cvs - Norway Spruce	164.05	
32 93 43 00-1081	EA	6' Picea abies & cvs - Norway Spruce	186.42	
32 93 43 00-1082	EA	7' Picea abies & cvs - Norway Spruce	223.71	
32 93 43 00-1083	EA	8' Picea abies & cvs - Norway Spruce	260.99	
32 93 43 00-1084	EA	9' Picea abies & cvs - Norway Spruce	350.48	
32 93 43 00-1085	EA	10' Picea abies & cvs - Norway Spruce	425.05	
32 93 43 00-1086	EA	12' Picea abies & cvs - Norway Spruce	521.99	
32 93 43 00-1087	EA	14' Picea abies & cvs - Norway Spruce	633.84	
32 93 43 00-1088	EA	6' Picea glauca - White Spruce	156.60	
32 93 43 00-1089	EA	7' Picea glauca - White Spruce	223.71	
32 93 43 00-1090	EA	8' Picea glauca - White Spruce	260.99	
32 93 43 00-1091	EA	9' Picea glauca - White Spruce	313.19	
32 93 43 00-1092	EA	10' Picea glauca - White Spruce	372.85	
32 93 43 00-1093	EA	12' Picea glauca - White Spruce	447.42	
32 93 43 00-1094	EA	4' Picea glauca densata - Black Hills Spruce	89.48	
32 93 43 00-1095	EA	5' Picea glauca densata - Black Hills Spruce	134.23	
32 93 43 00-1096	EA	6' Picea glauca densata - Black Hills Spruce	201.34	
32 93 43 00-1097	EA	7' Picea glauca densata - Black Hills Spruce	238.62	
32 93 43 00-1098	EA	8' Picea glauca densata - Black Hills Spruce	275.91	
32 93 43 00-1099	EA	9' Picea glauca densata - Black Hills Spruce	305.74	
32 93 43 00-1100	EA	10' Picea glauca densata - Black Hills Spruce	335.56	
32 93 43 00-1101	EA	6' Picea omorika & cvs - Serbian Spruce	201.34	
32 93 43 00-1102	EA	7' Picea omorika & cvs - Serbian Spruce	223.71	
32 93 43 00-1103	EA	8' Picea omorika & cvs - Serbian Spruce	268.45	
32 93 43 00-1104	EA	9' Picea omorika & cvs - Serbian Spruce	313.19	
32 93 43 00-1105	EA	10' Picea omorika & cvs - Serbian Spruce	357.93	
32 93 43 00-1106	EA	5' Picea pungens - Colorado Green Spruce	164.05	
32 93 43 00-1107	EA	6' Picea pungens - Colorado Green Spruce	208.79	
32 93 43 00-1108	EA	7' Picea pungens - Colorado Green Spruce	246.08	
32 93 43 00-1109	EA	8' Picea pungens - Colorado Green Spruce	283.36	
32 93 43 00-1110	EA	9' Picea pungens - Colorado Green Spruce	328.11	
32 93 43 00-1111	EA	10' Picea pungens - Colorado Green Spruce	618.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1112	EA	12' Picea pungens - Colorado Green Spruce	447.42	
32 93 43 00-1113	EA	14' Picea pungens - Colorado Green Spruce	521.99	
32 93 43 00-1114	EA	16' Picea pungens - Colorado Green Spruce	671.13	
32 93 43 00-1115	EA	5' Picea pungens glauca & cvs - Colorado Blue Spruce	164.05	
32 93 43 00-1116	EA	6' Picea pungens glauca & cvs - Colorado Blue Spruce	223.71	
32 93 43 00-1117	EA	7' Picea pungens glauca & cvs - Colorado Blue Spruce	260.99	
32 93 43 00-1118	EA	8' Picea pungens glauca & cvs - Colorado Blue Spruce	298.28	
32 93 43 00-1119	EA	9' Picea pungens glauca & cvs - Colorado Blue Spruce	335.56	
32 93 43 00-1120	EA	10' Picea pungens glauca & cvs - Colorado Blue Spruce	410.13	
32 93 43 00-1121	EA	12' Picea pungens glauca & cvs - Colorado Blue Spruce	521.99	
32 93 43 00-1122	EA	16' Picea pungens glauca & cvs - Colorado Blue Spruce	782.98	
32 93 43 00-1123	EA	6' Pinus canariensis - Canary Island Pine	411.62	
32 93 43 00-1124	EA	8' Pinus canariensis - Canary Island Pine	548.83	
32 93 43 00-1125	EA	10' Pinus canariensis - Canary Island Pine	686.04	
32 93 43 00-1126	EA	12' Pinus canariensis - Canary Island Pine	823.25	
32 93 43 00-1127	EA	24" Box Pinus canariensis - Canary Island Pine	423.63	
32 93 43 00-1128	EA	6' Pinus pinea - Italian Stone Pine	411.62	
32 93 43 00-1129	EA	8' Pinus pinea - Italian Stone Pine	548.83	
32 93 43 00-1130	EA	10' Pinus pinea - Italian Stone Pine	686.04	
32 93 43 00-1131	EA	12' Pinus pinea - Italian Stone Pine	823.25	
32 93 43 00-1132	EA	2' Pinus strobus - Pyramidal White Pine	20.65	
32 93 43 00-1133	EA	3' Pinus strobus - Pyramidal White Pine	27.59	
32 93 43 00-1134	EA	4' Pinus strobus - Pyramidal White Pine	30.44	
32 93 43 00-1135	EA	5' Pinus strobus - Pyramidal White Pine	33.29	
32 93 43 00-1136	EA	6' Pinus strobus - Pyramidal White Pine	41.48	
32 93 43 00-1137	EA	7' Pinus strobus - Pyramidal White Pine	55.19	
32 93 43 00-1138	EA	8' Pinus strobus - Pyramidal White Pine	75.84	
32 93 43 00-1139	EA	10' Pinus strobus - Pyramidal White Pine	151.32	
32 93 43 00-1140	EA	12' Pinus strobus - Pyramidal White Pine	359.62	
32 93 43 00-1141	EA	14' Pinus strobus - Pyramidal White Pine	482.45	
32 93 43 00-1142	EA	16' Pinus strobus - Pyramidal White Pine	580.37	
32 93 43 00-1143	EA	2' Pinus strobus - White Pine	31.73	
32 93 43 00-1144	EA	3' Pinus strobus - White Pine	45.28	
32 93 43 00-1145	EA	4' Pinus strobus - White Pine	72.21	
32 93 43 00-1146	EA	5' Pinus strobus - White Pine	102.91	
32 93 43 00-1147	EA	6' Pinus strobus - White Pine	150.93	
32 93 43 00-1148	EA	7' Pinus strobus - White Pine	180.09	
32 93 43 00-1149	EA	8' Pinus strobus - White Pine	243.54	
32 93 43 00-1150	EA	10' Pinus strobus - White Pine	327.58	
32 93 43 00-1151	EA	12' Pinus strobus - White Pine	433.92	
32 93 43 00-1152	EA	14' Pinus strobus - White Pine	531.68	
32 93 43 00-1153	EA	16' Pinus strobus - White Pine	646.59	
32 93 43 00-1154	EA	3' Pinus sylvestris - Scotch Pine	48.99	
32 93 43 00-1155	EA	4' Pinus sylvestris - Scotch Pine	68.01	
32 93 43 00-1156	EA	5' Pinus sylvestris - Scotch Pine	95.45	
32 93 43 00-1157	EA	6' Pinus sylvestris - Scotch Pine	132.44	
32 93 43 00-1158	EA	7' Pinus sylvestris - Scotch Pine	162.26	
32 93 43 00-1159	EA	8' Pinus sylvestris - Scotch Pine	229.08	
32 93 43 00-1160	EA	9' Pinus sylvestris - Scotch Pine	290.82	
32 93 43 00-1161	EA	10' Pinus sylvestris - Scotch Pine	335.56	
32 93 43 00-1162	EA	12' Pinus sylvestris - Scotch Pine	395.22	
32 93 43 00-1163	EA	14' Pinus sylvestris - Scotch Pine	447.42	
32 93 43 00-1164	EA	16' Pinus sylvestris - Scotch Pine	521.99	
32 93 43 00-1165	EA	5' To 6' Pinus taeda - Loblolly Pine	21.32	
32 93 43 00-1166	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	5.27	
32 93 43 00-1167	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	18.73	
32 93 43 00-1168	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	60.68	
32 93 43 00-1169	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	25.68	
32 93 43 00-1170	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	32.64	
32 93 43 00-1171	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	49.01	
32 93 43 00-1172	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	95.67	
32 93 43 00-1173	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	107.33	
32 93 43 00-1174	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	134.14	
32 93 43 00-1175	EA	4' Pinus cembra - Swiss Stone Pine	126.77	
32 93 43 00-1176	EA	5' Pinus cembra - Swiss Stone Pine	156.60	
32 93 43 00-1177	EA	6' Pinus cembra - Swiss Stone Pine	193.88	
32 93 43 00-1178	EA	6' Pinus flexilis & cvs - Limber Pine	186.42	
32 93 43 00-1179	EA	7' Pinus flexilis & cvs - Limber Pine	216.25	
32 93 43 00-1180	EA	8' Pinus flexilis & cvs - Limber Pine	268.45	
32 93 43 00-1181	EA	9' Pinus flexilis & cvs - Limber Pine	328.11	
32 93 43 00-1182	EA	10' Pinus flexilis & cvs - Limber Pine	372.85	
32 93 43 00-1183	EA	1 Gallon Pinus mugo - Mugho Pine	6.95	
32 93 43 00-1184	EA	2 Gallon Pinus mugo - Mugho Pine	14.69	
32 93 43 00-1185	EA	3 Gallon Pinus mugo - Mugho Pine	18.39	
32 93 43 00-1186	EA	5 Gallon Pinus mugo - Mugho Pine	23.33	
32 93 43 00-1187	EA	12" To 15" Spread Pinus mugo - Mugho Pine	18.06	
32 93 43 00-1188	EA	15" To 18" Spread Pinus mugo - Mugho Pine	21.53	
32 93 43 00-1189	EA	18" To 24" Spread Pinus mugo - Mugho Pine	29.16	
32 93 43 00-1190	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	40.83	
32 93 43 00-1191	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	52.49	
32 93 43 00-1192	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	65.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1193	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	79.41	
32 93 43 00-1194	EA	6' Pinus nigra - Austrian Pine	186.42	
32 93 43 00-1195	EA	7' Pinus nigra - Austrian Pine	223.71	
32 93 43 00-1196	EA	8' Pinus nigra - Austrian Pine	290.82	
32 93 43 00-1197	EA	9' Pinus nigra - Austrian Pine	335.56	
32 93 43 00-1198	EA	10' Pinus nigra - Austrian Pine	395.22	
32 93 43 00-1199	EA	12' Pinus nigra - Austrian Pine	447.42	
32 93 43 00-1200	EA	14' Pinus nigra - Austrian Pine	499.62	
32 93 43 00-1201	EA	16' Pinus nigra - Austrian Pine	566.73	
32 93 43 00-1202	EA	5' Pinus peuce - Macedonian Pine	231.17	
32 93 43 00-1203	EA	6' Pinus peuce - Macedonian Pine	290.82	
32 93 43 00-1204	EA	7' Pinus peuce - Macedonian Pine	335.56	
32 93 43 00-1205	EA	8' Pinus peuce - Macedonian Pine	380.30	
32 93 43 00-1206	EA	9' Pinus peuce - Macedonian Pine	439.96	
32 93 43 00-1207	EA	6' Pittosporum undulatum - Victorian Box	226.39	
32 93 43 00-1208	EA	8' Pittosporum undulatum - Victorian Box	358.46	
32 93 43 00-1209	EA	10' Pittosporum undulatum - Victorian Box	471.65	
32 93 43 00-1210	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.48	
32 93 43 00-1211	EA	3 Gallon Podocarpus - Chinese Podocarpus	8.08	
32 93 43 00-1212	EA	7 Gallon Podocarpus - Chinese Podocarpus	23.33	
32 93 43 00-1213	EA	15 Gallon Podocarpus - Chinese Podocarpus	37.91	
32 93 43 00-1214	EA	4' To 5' Podocarpus - Chinese Podocarpus	58.32	
32 93 43 00-1215	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	428.78	
32 93 43 00-1216	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	565.98	
32 93 43 00-1217	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	720.34	
32 93 43 00-1218	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	857.55	
32 93 43 00-1219	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	200.67	
32 93 43 00-1220	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	7.98	
32 93 43 00-1221	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	18.69	
32 93 43 00-1222	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	24.53	
32 93 43 00-1223	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	106.34	
32 93 43 00-1224	EA	24" Box Podocarpus macrophyllus - Yew Pine	205.81	
32 93 43 00-1225	EA	5' Pseudotsuga menziesii - Douglas Fir	149.14	
32 93 43 00-1226	EA	6' Pseudotsuga menziesii - Douglas Fir	178.97	
32 93 43 00-1227	EA	7' Pseudotsuga menziesii - Douglas Fir	223.71	
32 93 43 00-1228	EA	8' Pseudotsuga menziesii - Douglas Fir	268.45	
32 93 43 00-1229	EA	9' Pseudotsuga menziesii - Douglas Fir	335.56	
32 93 43 00-1230	EA	10' Pseudotsuga menziesii - Douglas Fir	395.22	
32 93 43 00-1231	EA	12' Pseudotsuga menziesii - Douglas Fir	447.42	
32 93 43 00-1232	EA	24" Box Rhus lancea - African Sumac	211.81	
32 93 43 00-1233	EA	30" Box Rhus lancea - African Sumac	343.02	
32 93 43 00-1234	EA	8' Rhus lancea - African Sumac	514.53	
32 93 43 00-1235	EA	10' Rhus lancea - African Sumac	574.56	
32 93 43 00-1236	EA	12' Rhus lancea - African Sumac	686.04	
32 93 43 00-1237	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	72.90	
32 93 43 00-1238	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	98.42	
32 93 43 00-1239	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	120.29	
32 93 43 00-1240	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	14.06	
32 93 43 00-1241	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	51.82	
32 93 43 00-1242	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	64.77	
32 93 43 00-1243	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	80.08	
32 93 43 00-1244	EA	8' To 10' Taxodium distichum & cvs - Bald Cypress	101.34	
32 93 43 00-1245	EA	6' Tsuga canadensis - Northern Hemlock	149.14	
32 93 43 00-1246	EA	7' Tsuga canadensis - Northern Hemlock	186.42	
32 93 43 00-1247	EA	8' Tsuga canadensis - Northern Hemlock	253.54	
32 93 43 00-1248	EA	9' Tsuga canadensis - Northern Hemlock	298.28	
32 93 43 00-1249	EA	10' Tsuga canadensis - Northern Hemlock	335.56	
32 93 43 00-1250	EA	12' Tsuga canadensis - Northern Hemlock	372.85	
32 93 43 00-1251	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	26.32	
32 93 43 00-1252	EA	2 Gallon Abies amabilis - Pacific Silver Fir	33.14	
32 93 43 00-1253	EA	1 Gallon Abies grandis - Grand Fir	10.09	
32 93 43 00-1254	EA	2 Gallon Abies grandis - Grand Fir	21.63	
32 93 43 00-1255	EA	5 Gallon Abies grandis - Grand Fir	44.81	
32 93 43 00-1256	EA	3 Gallon Abies lasiocarpa - Subalpine Fir	37.46	
32 93 43 00-1257	EA	5 Gallon Abies procera - Noble Fir	26.74	
32 93 43 00-1258	EA	6' To 8' Gallon Chamaecyparis nootkatensis - Alaska Yellow-Cedar	253.39	
32 93 43 00-1259	EA	8' To 10' Gallon Chamaecyparis nootkatensis - Alaska Yellow-Cedar	381.12	
32 93 43 00-1260	EA	1 Gallon Juniperus occidentalis - Western Juniper	13.67	
32 93 43 00-1261	EA	2 Gallon Juniperus occidentalis - Western Juniper	27.37	
32 93 43 00-1262	EA	2 Gallon Larix lyallii - Alpine Larch	28.84	
32 93 43 00-1263	EA	5 Gallon Larix lyallii - Alpine Larch	57.68	
32 93 43 00-1264	EA	2 Gallon Larix occidentalis - Western Larch	49.75	
32 93 43 00-1265	EA	1 Gallon Picea engelmannii - Engelmann Spruce	43.25	
32 93 43 00-1266	EA	3 Gallon Picea engelmannii - Engelmann Spruce	86.51	
32 93 43 00-1267	EA	5 Gallon Picea engelmannii - Engelmann Spruce	124.02	
32 93 43 00-1268	EA	1 Gallon Picea sitchensis - Sitka Spruce	10.09	
32 93 43 00-1269	EA	2 Gallon Picea sitchensis - Sitka Spruce	21.63	
32 93 43 00-1270	EA	1 Gallon Pinus albicaulis - Whitebark Pine	14.01	
32 93 43 00-1271	EA	2 Gallon Pinus albicaulis - Whitebark Pine	20.60	
32 93 43 00-1272	EA	3 Gallon Pinus albicaulis - Whitebark Pine	26.78	
32 93 43 00-1273	EA	5 Gallon Pinus albicaulis - Whitebark Pine	40.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1274	EA	1 Gallon Pinus contorta - Lodgepole Pine	18.54	
32 93 43 00-1275	EA	2 Gallon Pinus contorta - Lodgepole Pine	30.90	
32 93 43 00-1276	EA	1 Gallon Pinus monticola - Western White Pine	18.54	
32 93 43 00-1277	EA	2' To 3' Pinus ponderosa - Ponderosa Pine	24.72	
32 93 43 00-1278	EA	3' To 4' Pinus ponderosa - Ponderosa Pine	35.02	
32 93 43 00-1279	EA	4' To 5' Pinus ponderosa - Ponderosa Pine	45.32	
32 93 43 00-1280	EA	1 Gallon Pseudotsuga menziesii - Douglas Fir	10.09	
32 93 43 00-1281	EA	2 Gallon Pseudotsuga menziesii - Douglas Fir	21.63	
32 93 43 00-1282	EA	5 Gallon Pseudotsuga menziesii - Douglas Fir	44.81	
32 93 43 00-1283	EA	1 Gallon Thuja plicata - Western Red Cedar	10.09	
32 93 43 00-1284	EA	2 Gallon Thuja plicata - Western Red Cedar	21.63	
32 93 43 00-1285	EA	1' To 2' Thuja plicata - Western Red Cedar	28.74	
32 93 43 00-1286	EA	2' To 3' Thuja plicata - Western Red Cedar	82.30	
32 93 43 00-1287	EA	3' To 4' Thuja plicata - Western Red Cedar	102.90	
32 93 43 00-1288	EA	4' To 5' Thuja plicata - Western Red Cedar	164.70	
32 93 43 00-1289	EA	5' To 6' Thuja plicata - Western Red Cedar	205.91	
32 93 43 00-1290	EA	6' To 7' Thuja plicata - Western Red Cedar	308.91	
32 93 43 00-1291	EA	1 Gallon Tsuga heterophylla - Western Hemlock	10.09	
32 93 43 00-1292	EA	2 Gallon Tsuga heterophylla - Western Hemlock	21.63	
32 93 43 00-1293	EA	5 Gallon Tsuga heterophylla - Western Hemlock	44.81	
32 93 43 00-1294	EA	4' to 6' Tsuga heterophylla - Western Hemlock	162.75	
32 93 43 00-1295	EA	6' to 8' Tsuga heterophylla - Western Hemlock	253.39	
32 93 43 00-1296	EA	8' to 10' Tsuga heterophylla - Western Hemlock	401.72	
32 93 43 00-1297	EA	10' to 12' Tsuga heterophylla - Western Hemlock	545.93	
32 93 43 00-1298	EA	12' to 14' Tsuga heterophylla - Western Hemlock	669.53	
32 93 43 00-1299	EA	1 Gallon Tsuga mertensiana - Mountain Hemlock	18.72	
32 93 43 00-1300	EA	2 Gallon Tsuga mertensiana - Mountain Hemlock	27.37	
32 93 43 00-1301	EA	1 Gallon Taxus brevifolia - Pacific Yew	25.93	

32 93 43 00-1302 Palm And Subtropical Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-1303	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	173.86	
32 93 43 00-1304	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	114.75	
32 93 43 00-1305	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	178.50	
32 93 43 00-1306	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	229.50	
32 93 43 00-1307	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	306.00	
32 93 43 00-1308	EA	10' To 16' Sabal palmetto - Cabbage Palm	179.25	
32 93 43 00-1309	EA	12' To 16' Cocos nucifera - Coconut Palm	488.84	
32 93 43 00-1310	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	243.41	
32 93 43 00-1311	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	382.50	
32 93 43 00-1312	EA	3' To 4' Chamaerops humilis - European Fan Palm	208.64	
32 93 43 00-1313	EA	5' To 6' Chamaerops humilis - European Fan Palm	278.18	
32 93 43 00-1314	EA	7' To 8' Chamaerops humilis - European Fan Palm	649.10	
32 93 43 00-1315	EA	9' To 10' Chamaerops humilis - European Fan Palm	1,112.74	
32 93 43 00-1316	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	486.82	
32 93 43 00-1317	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	625.91	
32 93 43 00-1318	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	765.01	
32 93 43 00-1319	EA	4' To 5' Rhapis excelsa - Lady Palm	440.46	
32 93 43 00-1320	EA	6' To 7' Rhapis excelsa - Lady Palm	625.91	
32 93 43 00-1321	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	162.27	
32 93 43 00-1322	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	324.55	
32 93 43 00-1323	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	417.28	
32 93 43 00-1324	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	579.55	
32 93 43 00-1325	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	86.93	
32 93 43 00-1326	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	121.71	
32 93 43 00-1327	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	156.48	
32 93 43 00-1328	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	191.25	
32 93 43 00-1329	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	231.82	
32 93 43 00-1330	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	289.78	
32 93 43 00-1331	EA	8' To 9' Roystonea regia - Royal Palm	354.68	
32 93 43 00-1332	EA	10' To 11' Roystonea regia - Royal Palm	433.50	
32 93 43 00-1333	EA	12' To 13' Roystonea regia - Royal Palm	512.32	
32 93 43 00-1334	EA	14' To 15' Roystonea regia - Royal Palm	591.14	
32 93 43 00-1335	EA	16' To 17' Roystonea regia - Royal Palm	669.96	
32 93 43 00-1336	EA	18' To 19' Roystonea regia - Royal Palm	748.78	
32 93 43 00-1337	EA	20' To 21' Roystonea regia - Royal Palm	827.60	
32 93 43 00-1338	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	289.78	
32 93 43 00-1339	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	440.46	
32 93 43 00-1340	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	498.41	
32 93 43 00-1341	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	579.55	
32 93 43 00-1342	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	498.41	
32 93 43 00-1343	EA	6' Bauninia blakeana - Hong Kong Orchid	591.14	
32 93 43 00-1344	EA	8' Bauninia blakeana - Hong Kong Orchid	788.19	
32 93 43 00-1345	EA	10' Bauninia blakeana - Hong Kong Orchid	985.24	
32 93 43 00-1346	EA	4' To 5' Acacia baileyana - Bailey Acacia	280.56	
32 93 43 00-1347	EA	6' Acacia baileyana - Bailey Acacia	336.67	
32 93 43 00-1348	EA	8' Acacia baileyana - Bailey Acacia	392.78	
32 93 43 00-1349	EA	10' Acacia baileyana - Bailey Acacia	490.98	
32 93 43 00-1350	EA	6' Agonis flexuosa - Peppermint Tree	168.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-1351	EA	8' Agonis flexuosa - Peppermint Tree	210.42	
32 93 43 00-1352	EA	10' Agonis flexuosa - Peppermint Tree	252.50	
32 93 43 00-1353	EA	24" Box Agonis flexuosa - Peppermint Tree	209.72	
32 93 43 00-1354	EA	6' Bauhinia purpurea - Purple Orchid Tree	625.91	
32 93 43 00-1355	EA	8' Bauhinia purpurea - Purple Orchid Tree	834.55	
32 93 43 00-1356	EA	10' Bauhinia purpurea - Purple Orchid Tree	1,043.19	
32 93 43 00-1357	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	271.23	
32 93 43 00-1358	EA	6' Bauhinia variegata candida - White Orchid Tree	695.46	
32 93 43 00-1359	EA	8' Bauhinia variegata candida - White Orchid Tree	927.28	
32 93 43 00-1360	EA	10' Bauhinia variegata candida - White Orchid Tree	1,159.10	
32 93 43 00-1361	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	378.76	
32 93 43 00-1362	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	505.01	
32 93 43 00-1363	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	631.26	
32 93 43 00-1364	EA	6' Eriobotrya deflexa - Bronze Loquat	625.91	
32 93 43 00-1365	EA	8' Eriobotrya deflexa - Bronze Loquat	834.55	
32 93 43 00-1366	EA	10' Eriobotrya deflexa - Bronze Loquat	1,043.19	
32 93 43 00-1367	EA	6' Eucalyptus erythrocorys - Red Cap Gum	625.91	
32 93 43 00-1368	EA	8' Eucalyptus erythrocorys - Red Cap Gum	834.55	
32 93 43 00-1369	EA	10' Eucalyptus erythrocorys - Red Cap Gum	1,043.19	
32 93 43 00-1370	EA	6' Eucalyptus torquala - Coral Gum	625.91	
32 93 43 00-1371	EA	8' Eucalyptus torquala - Coral Gum	834.55	
32 93 43 00-1372	EA	10' Eucalyptus torquala - Coral Gum	1,043.19	
32 93 43 00-1373	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	392.78	
32 93 43 00-1374	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	533.06	
32 93 43 00-1375	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	659.32	
32 93 43 00-1376	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	9.54	
32 93 43 00-1377	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	29.68	
32 93 43 00-1378	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	103.88	
32 93 43 00-1379	EA	24" Box Washingtonia robusta - Mexican Fan Palm	339.22	
32 93 43 00-1380	EA	36" Box Washingtonia robusta - Mexican Fan Palm	901.04	
32 93 43 00-1381	EA	6' Washingtonia robusta - Mexican Fan Palm	625.91	
32 93 43 00-1382	EA	8' Washingtonia robusta - Mexican Fan Palm	834.55	
32 93 43 00-1383	EA	10' Washingtonia robusta - Mexican Fan Palm	1,043.19	
32 93 43 00-1384	EA	12' Washingtonia robusta - Mexican Fan Palm	1,251.83	
32 93 43 00-1385	EA	6' Olea europaea - Olive "Fruitless"	463.08	
32 93 43 00-1386	EA	8' Olea europaea - Olive "Fruitless"	617.44	
32 93 43 00-1387	EA	10' Olea europaea - Olive "Fruitless"	771.80	
32 93 43 00-1388	EA	12' Olea europaea - Olive "Fruitless"	926.15	
32 93 43 00-1389	EA	24" Box Olea europaea - Olive "Fruitless"	569.41	
32 93 43 00-1390	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	625.91	
32 93 43 00-1391	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	834.55	
32 93 43 00-1392	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	1,043.19	
32 93 43 00-1393	EA	6' Eucalyptus leucoxylon - White Ironbark	625.91	
32 93 43 00-1394	EA	8' Eucalyptus leucoxylon - White Ironbark	834.55	
32 93 43 00-1395	EA	10' Eucalyptus leucoxylon - White Ironbark	1,043.19	
32 93 43 00-1396	EA	12' Eucalyptus leucoxylon - White Ironbark	1,251.83	
32 93 43 00-1397	EA	6' Callistemon viminalis - Weeping Bottle Brush	378.76	
32 93 43 00-1398	EA	8' Callistemon viminalis - Weeping Bottle Brush	505.01	
32 93 43 00-1399	EA	10' Callistemon viminalis - Weeping Bottle Brush	631.26	
32 93 43 00-1400	EA	12' Callistemon viminalis - Weeping Bottle Brush	757.51	
32 93 43 00-1401	EA	6' Eucalyptus gunnii - Cider Gum	625.91	
32 93 43 00-1402	EA	8' Eucalyptus gunnii - Cider Gum	834.55	
32 93 43 00-1403	EA	10' Eucalyptus gunnii - Cider Gum	1,043.19	
32 93 43 00-1404	EA	6' Jacarandra acutifolia - Jacaranda	625.91	
32 93 43 00-1405	EA	8' Jacarandra acutifolia - Jacaranda	834.55	
32 93 43 00-1406	EA	10' Jacarandra acutifolia - Jacaranda	1,043.19	
32 93 43 00-1407	EA	24" Box Jacarandra acutifolia - Jacaranda	271.23	
32 93 43 00-1408	EA	5 Gallon Phoenix roebelenii - Pygmy Date Palm	43.24	
32 93 43 00-1409	EA	7 Gallon Phoenix roebelenii - Pygmy Date Palm	105.39	
32 93 43 00-1410	EA	15 Gallon Phoenix roebelenii - Pygmy Date Palm	159.44	
32 93 43 00-1411	EA	24" Box Phoenix roebelenii - Pygmy Date Palm	472.92	
32 93 43 00-1412	EA	5 Gallon Pistacia chinensis - Chinese Pistache	41.73	
32 93 43 00-1413	EA	15 Gallon Pistacia chinensis - Chinese Pistache	139.09	
32 93 43 00-1414	EA	24" Box Pistacia chinensis - Chinese Pistache	540.14	
32 93 43 00-1415	EA	36" Box Pistacia chinensis - Chinese Pistache	1,437.28	
32 93 43 00-1416	EA	48" Box Pistacia chinensis - Chinese Pistache	3,060.02	
32 93 43 00-1417	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	26.09	
32 93 43 00-1418	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	86.97	
32 93 43 00-1419	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	326.85	
32 93 43 00-1420	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	597.59	
32 93 43 00-1421	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	869.74	
32 93 43 00-1422	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	26.09	
32 93 43 00-1423	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	92.58	
32 93 43 00-1424	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	336.67	
32 93 43 00-1425	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	597.59	
32 93 43 00-1426	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	869.74	

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0001		**Planting Trees** *(32 93 83)*		
		Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.49	
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.40	
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	3.00	
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	4.80	
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	23.98	
		For >10 To 25, Deduct	*-1.20*	
		For >25 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-4.80*	
		For >100, Deduct	*-7.19*	
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	33.57	
		For >10 To 25, Deduct	*-1.68*	
		For >25 To 50, Deduct	*-4.20*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-10.07*	
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	43.16	
		For >10 To 25, Deduct	*-2.16*	
		For >25 To 50, Deduct	*-5.40*	
		For >50 To 100, Deduct	*-8.63*	
		For >100, Deduct	*-12.95*	
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	71.93	
		For >10 To 25, Deduct	*-3.60*	
		For >25 To 50, Deduct	*-8.99*	
		For >50 To 100, Deduct	*-14.39*	
		For >100, Deduct	*-21.58*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	95.90	
		For >10 To 25, Deduct	*-4.80*	
		For >25 To 50, Deduct	*-11.99*	
		For >50 To 100, Deduct	*-19.18*	
		For >100, Deduct	*-28.77*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	124.68	
		For >10 To 25, Deduct	*-6.23*	
		For >25 To 50, Deduct	*-15.59*	
		For >50 To 100, Deduct	*-24.94*	
		For >100, Deduct	*-37.40*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	177.42	
		For >10 To 25, Deduct	*-8.87*	
		For >25 To 50, Deduct	*-22.18*	
		For >50 To 100, Deduct	*-35.48*	
		For >100, Deduct	*-53.23*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	292.51	
		For >10 To 25, Deduct	*-14.63*	
		For >25 To 50, Deduct	*-36.56*	
		For >50 To 100, Deduct	*-58.50*	
		For >100, Deduct	*-87.75*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	378.83	
		For >10 To 25, Deduct	*-18.94*	
		For >25 To 50, Deduct	*-47.35*	
		For >50 To 100, Deduct	*-75.77*	
		For >100, Deduct	*-113.65*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	455.55	
		For >10 To 25, Deduct	*-22.78*	
		For >25 To 50, Deduct	*-56.94*	
		For >50 To 100, Deduct	*-91.11*	
		For >100, Deduct	*-136.67*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	565.85	
		For >10 To 25, Deduct	*-28.29*	
		For >25 To 50, Deduct	*-70.73*	
		For >50 To 100, Deduct	*-113.17*	
		For >100, Deduct	*-169.76*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	671.34	
		For >10 To 25, Deduct	*-33.57*	
		For >25 To 50, Deduct	*-83.92*	
		For >50 To 100, Deduct	*-134.27*	
		For >100, Deduct	*-201.40*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	239.77	
		For >10 To 25, Deduct	*-11.99*	
		For >25 To 50, Deduct	*-29.97*	
		For >50 To 100, Deduct	*-47.95*	
		For >100, Deduct	*-71.93*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	319.37	
		For >10 To 25, Deduct	*-15.97*	
		For >25 To 50, Deduct	*-39.92*	
		For >50 To 100, Deduct	*-63.87*	
		For >100, Deduct	*-95.81*	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	359.65	
		For >10 To 25, Deduct	*-17.98*	
		For >25 To 50, Deduct	*-44.96*	
		For >50 To 100, Deduct	*-71.93*	
		For >100, Deduct	*-107.90*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	419.59	
		For >10 To 25, Deduct	*-20.98*	
		For >25 To 50, Deduct	*-52.45*	
		For >50 To 100, Deduct	*-83.92*	
		For >100, Deduct	*-125.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	561.05	
		For >10 To 25, Deduct	*-28.05*	
		For >25 To 50, Deduct	*-70.13*	
		For >50 To 100, Deduct	*-112.21*	
		For >100, Deduct	*-168.32*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	642.57	
		For >10 To 25, Deduct	*-32.13*	
		For >25 To 50, Deduct	*-80.32*	
		For >50 To 100, Deduct	*-128.51*	
		For >100, Deduct	*-192.77*	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	779.24	
		For >10 To 25, Deduct	*-38.96*	
		For >25 To 50, Deduct	*-97.41*	
		For >50 To 100, Deduct	*-155.85*	
		For >100, Deduct	*-233.77*	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	935.09	
		For >10 To 25, Deduct	*-46.75*	
		For >25 To 50, Deduct	*-116.89*	
		For >50 To 100, Deduct	*-187.02*	
		For >100, Deduct	*-280.53*	
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,078.94	
		For >10 To 25, Deduct	*-53.95*	
		For >25 To 50, Deduct	*-134.87*	
		For >50 To 100, Deduct	*-215.79*	
		For >100, Deduct	*-323.68*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	359.65	
		For >10 To 25, Deduct	*-17.98*	
		For >25 To 50, Deduct	*-44.96*	
		For >50 To 100, Deduct	*-71.93*	
		For >100, Deduct	*-107.90*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	419.59	
		For >10 To 25, Deduct	*-20.98*	
		For >25 To 50, Deduct	*-52.45*	
		For >50 To 100, Deduct	*-83.92*	
		For >100, Deduct	*-125.88*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	563.45	
		For >10 To 25, Deduct	*-28.17*	
		For >25 To 50, Deduct	*-70.43*	
		For >50 To 100, Deduct	*-112.69*	
		For >100, Deduct	*-169.04*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	647.36	
		For >10 To 25, Deduct	*-32.37*	
		For >25 To 50, Deduct	*-80.92*	
		For >50 To 100, Deduct	*-129.47*	
		For >100, Deduct	*-194.21*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	719.30	
		For >10 To 25, Deduct	*-35.97*	
		For >25 To 50, Deduct	*-89.91*	
		For >50 To 100, Deduct	*-143.86*	
		For >100, Deduct	*-215.79*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	824.79	
		For >10 To 25, Deduct	*-41.24*	
		For >25 To 50, Deduct	*-103.10*	
		For >50 To 100, Deduct	*-164.96*	
		For >100, Deduct	*-247.44*	

32 93 83 00-0033 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0034	EA	1 Gallon Container Shrub Planting	20.39	
		For >10 To 25, Deduct	*-1.02*	
		For >25 To 50, Deduct	*-2.55*	
		For >50 To 100, Deduct	*-4.08*	
		For >100, Deduct	*-6.12*	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting	28.77	
		For >10 To 25, Deduct	*-1.44*	
		For >25 To 50, Deduct	*-3.60*	
		For >50 To 100, Deduct	*-5.75*	
		For >100, Deduct	*-8.63*	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting	35.97	
		For >10 To 25, Deduct	*-1.80*	
		For >25 To 50, Deduct	*-4.50*	
		For >50 To 100, Deduct	*-7.19*	
		For >100, Deduct	*-10.79*	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting	47.96	
		For >10 To 25, Deduct	*-2.40*	
		For >25 To 50, Deduct	*-6.00*	
		For >50 To 100, Deduct	*-9.59*	
		For >100, Deduct	*-14.39*	
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting	59.94	
		For >10 To 25, Deduct	*-3.00*	
		For >25 To 50, Deduct	*-7.49*	
		For >50 To 100, Deduct	*-11.99*	
		For >100, Deduct	*-17.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting	81.52	
		For >10 To 25, Deduct	*-4.08*	
		For >25 To 50, Deduct	*-10.19*	
		For >50 To 100, Deduct	*-16.30*	
		For >100, Deduct	*-24.46*	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting	107.89	
		For >10 To 25, Deduct	*-5.39*	
		For >25 To 50, Deduct	*-13.49*	
		For >50 To 100, Deduct	*-21.58*	
		For >100, Deduct	*-32.37*	
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting	148.66	
		For >10 To 25, Deduct	*-7.43*	
		For >25 To 50, Deduct	*-18.58*	
		For >50 To 100, Deduct	*-29.73*	
		For >100, Deduct	*-44.60*	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting	249.36	
		For >10 To 25, Deduct	*-12.47*	
		For >25 To 50, Deduct	*-31.17*	
		For >50 To 100, Deduct	*-49.87*	
		For >100, Deduct	*-74.81*	
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting	319.37	
		For >10 To 25, Deduct	*-15.97*	
		For >25 To 50, Deduct	*-39.92*	
		For >50 To 100, Deduct	*-63.87*	
		For >100, Deduct	*-95.81*	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting	67.13	
		For >10 To 25, Deduct	*-3.36*	
		For >25 To 50, Deduct	*-8.39*	
		For >50 To 100, Deduct	*-13.43*	
		For >100, Deduct	*-20.14*	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting	69.53	
		For >10 To 25, Deduct	*-3.48*	
		For >25 To 50, Deduct	*-8.69*	
		For >50 To 100, Deduct	*-13.91*	
		For >100, Deduct	*-20.86*	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting	76.72	
		For >10 To 25, Deduct	*-3.84*	
		For >25 To 50, Deduct	*-9.59*	
		For >50 To 100, Deduct	*-15.34*	
		For >100, Deduct	*-23.02*	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting	76.72	
		For >10 To 25, Deduct	*-3.84*	
		For >25 To 50, Deduct	*-9.59*	
		For >50 To 100, Deduct	*-15.34*	
		For >100, Deduct	*-23.02*	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting	83.92	
		For >10 To 25, Deduct	*-4.20*	
		For >25 To 50, Deduct	*-10.49*	
		For >50 To 100, Deduct	*-16.78*	
		For >100, Deduct	*-25.18*	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting	88.71	
		For >10 To 25, Deduct	*-4.44*	
		For >25 To 50, Deduct	*-11.09*	
		For >50 To 100, Deduct	*-17.74*	
		For >100, Deduct	*-26.61*	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting	95.90	
		For >10 To 25, Deduct	*-4.80*	
		For >25 To 50, Deduct	*-11.99*	
		For >50 To 100, Deduct	*-19.18*	
		For >100, Deduct	*-28.77*	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting	143.86	
		For >10 To 25, Deduct	*-7.19*	
		For >25 To 50, Deduct	*-17.98*	
		For >50 To 100, Deduct	*-28.77*	
		For >100, Deduct	*-43.16*	
32 93 83 00-0052	EA	6' Balled And Burlapped Shrub Planting	203.80	
		For >10 To 25, Deduct	*-10.19*	
		For >25 To 50, Deduct	*-25.48*	
		For >50 To 100, Deduct	*-40.76*	
		For >100, Deduct	*-61.14*	
32 93 83 00-0053	EA	7' Balled And Burlapped Shrub Planting	270.94	
		For >10 To 25, Deduct	*-13.55*	
		For >25 To 50, Deduct	*-33.87*	
		For >50 To 100, Deduct	*-54.19*	
		For >100, Deduct	*-81.28*	
32 93 83 00-0054	EA	8' Balled And Burlapped Shrub Planting	306.90	
		For >10 To 25, Deduct	*-15.35*	
		For >25 To 50, Deduct	*-38.36*	
		For >50 To 100, Deduct	*-61.38*	
		For >100, Deduct	*-92.07*	
32 93 83 00-0055	EA	9' Balled And Burlapped Shrub Planting	330.88	
		For >10 To 25, Deduct	*-16.54*	
		For >25 To 50, Deduct	*-41.36*	
		For >50 To 100, Deduct	*-66.18*	
		For >100, Deduct	*-99.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0056	EA	10' Balled And Burlapped Shrub Planting	359.65	
		For >10 To 25, Deduct	*-17.98*	
		For >25 To 50, Deduct	*-44.96*	
		For >50 To 100, Deduct	*-71.93*	
		For >100, Deduct	*-107.90*	

32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	2.00	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.60*	
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	2.29	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.46*	
		For >100, Deduct	*-0.69*	
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	2.67	
		For >10 To 25, Deduct	*-0.13*	
		For >25 To 50, Deduct	*-0.33*	
		For >50 To 100, Deduct	*-0.53*	
		For >100, Deduct	*-0.80*	
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	3.20	
		For >10 To 25, Deduct	*-0.16*	
		For >25 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.64*	
		For >100, Deduct	*-0.96*	
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	3.99	
		For >10 To 25, Deduct	*-0.20*	
		For >25 To 50, Deduct	*-0.50*	
		For >50 To 100, Deduct	*-0.80*	
		For >100, Deduct	*-1.20*	
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	5.99	
		For >10 To 25, Deduct	*-0.30*	
		For >25 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.20*	
		For >100, Deduct	*-1.80*	
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	19.18	
		For >10 To 25, Deduct	*-0.96*	
		For >25 To 50, Deduct	*-2.40*	
		For >50 To 100, Deduct	*-3.84*	
		For >100, Deduct	*-5.75*	
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	26.38	
		For >10 To 25, Deduct	*-1.32*	
		For >25 To 50, Deduct	*-3.30*	
		For >50 To 100, Deduct	*-5.28*	
		For >100, Deduct	*-7.91*	
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	33.57	
		For >10 To 25, Deduct	*-1.68*	
		For >25 To 50, Deduct	*-4.20*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-10.07*	
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	43.16	
		For >10 To 25, Deduct	*-2.16*	
		For >25 To 50, Deduct	*-5.40*	
		For >50 To 100, Deduct	*-8.63*	
		For >100, Deduct	*-12.95*	
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	52.75	
		For >10 To 25, Deduct	*-2.64*	
		For >25 To 50, Deduct	*-6.59*	
		For >50 To 100, Deduct	*-10.55*	
		For >100, Deduct	*-15.83*	
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	71.93	
		For >10 To 25, Deduct	*-3.60*	
		For >25 To 50, Deduct	*-8.99*	
		For >50 To 100, Deduct	*-14.39*	
		For >100, Deduct	*-21.58*	
32 93 83 00-0070	EA	Bulb Planting	1.19	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.15*	
		For >50 To 100, Deduct	*-0.24*	
		For >100, Deduct	*-0.36*	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	33.57	
		For >10 To 25, Deduct	*-1.68*	
		For >25, Deduct	*-4.20*	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	47.61	
		For >10 To 25, Deduct	*-2.38*	
		For >25, Deduct	*-5.95*	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	63.39	
		For >10 To 25, Deduct	*-3.17*	
		For >25, Deduct	*-7.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0074		Tree Pits *(32 93 83)* Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0001 for appropriate mulch or decorative topping.		
32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	131.82	
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	197.67	
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	255.61	
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	383.34	
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	394.03	
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	587.91	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	482.54	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	722.76	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit	576.65	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit	864.49	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	829.60	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	1,246.91	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	1,103.48	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,643.33	
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,564.95	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit	2,343.87	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit	2,636.04	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit	3,975.70	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	3,623.12	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	5,432.31	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001		Landscape Edging *(32 94 13)* Note: Includes stakes.		
32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	6.27	1.22
		For >2,000 To 5,000 LF, Deduct	*-0.38*	
		For >5,000 LF, Deduct	*-0.76*	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	3.65	1.22
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.24*	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	3.71	1.22
		For >2,000 To 5,000 LF, Deduct	*-0.13*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	3.75	1.22
		For >2,000 To 5,000 LF, Deduct	*-0.13*	
		For >5,000 LF, Deduct	*-0.26*	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.67	2.91
		For >1,000 LF, Deduct	*-1.22*	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.68	2.91
		For >1,000 LF, Deduct	*-1.47*	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.75	2.91
		For >1,000 LF, Deduct	*-1.49*	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.50	3.00
		For >1,000 LF, Deduct	*-1.89*	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.74	3.00
		For >1,000 LF, Deduct	*-2.20*	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.72	3.00
		For >1,000 LF, Deduct	*-2.19*	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	12.00	3.10
		For >1,000 LF, Deduct	*-1.47*	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	13.38	3.10
		For >1,000 LF, Deduct	*-1.82*	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.52	3.10
		For >1,000 LF, Deduct	*-1.85*	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	15.23	3.19
		For >1,000 LF, Deduct	*-2.24*	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.61	3.19
		For >1,000 LF, Deduct	*-2.58*	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.73	3.19
		For >1,000 LF, Deduct	*-2.61*	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	11.36	3.00
		For >1,000 LF, Deduct	*-1.34*	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.39	3.00
		For >1,000 LF, Deduct	*-1.85*	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.85	3.00
		For >1,000 LF, Deduct	*-3.21*	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	8.47	2.91
		For >1,000 LF, Deduct	*-0.67*	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	9.68	2.91
		For >1,000 LF, Deduct	*-0.97*	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	10.75	2.91
		For >1,000 LF, Deduct	*-1.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	10.97	2.91
		For >1,000 LF, Deduct	*-1.29*	
32 94 13 00-0025		Concrete Band, Cast In Place *(32 94 13)*		
		Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 94 13 00-0026	LF	6" x 4" Concrete Band	20.80	10.84
		Note: Excludes base course.		
		For Up To 20, Add	*12.67*	
		For >20 To 50, Add	*7.18*	
		For >50 To 100, Add	*2.74*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000, Deduct	*-4.63*	
32 94 13 00-0027	LF	6" x 6" Concrete Band	24.73	12.76
		Note: Excludes base course.		
		For Up To 20, Add	*15.15*	
		For >20 To 50, Add	*8.60*	
		For >50 To 100, Add	*3.28*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000, Deduct	*-5.53*	
32 94 13 00-0028	LF	8" x 6" Concrete Band	28.46	146.70
		Note: Excludes base course.		
		For Up To 20, Add	*17.49*	
		For >20 To 50, Add	*9.93*	
		For >50 To 100, Add	*3.78*	
		For >500 To 1,000, Deduct	*-3.78*	
		For >1,000, Deduct	*-6.39*	
32 94 13 00-0029	LF	10" x 6" Concrete Band	31.53	159.46
		Note: Excludes base course.		
		For Up To 20, Add	*19.38*	
		For >20 To 50, Add	*11.00*	
		For >50 To 100, Add	*4.19*	
		For >500 To 1,000, Deduct	*-4.19*	
		For >1,000, Deduct	*-7.08*	
32 94 13 00-0030	LF	12" x 6" Concrete Band	32.70	16.59
		Note: Excludes base course.		
		For Up To 20, Add	*19.93*	
		For >20 To 50, Add	*11.30*	
		For >50 To 100, Add	*4.31*	
		For >500 To 1,000, Deduct	*-4.31*	
		For >1,000, Deduct	*-7.29*	
32 94 16		**Landscape Timbers** *(32 94)*		
32 94 16 00-0001	LF	1" x 4" Redwood Edging	6.06	2.04
32 94 16 00-0002	LF	2" x 4" Redwood Edging	8.32	3.06
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	10.46	4.07
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	13.44	5.10
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	15.72	5.99
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	4.47	2.04
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	6.73	3.06
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	9.96	3.94
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	13.36	5.10
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	16.18	5.99
32 94 16 00-0011	LF	6" x 8" Railroad Ties	17.48	5.77
32 94 16 00-0012	LF	7" x 9" Railroad Ties	21.07	7.25
32 94 23		**Plant Protection** *(32 94)*		
32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	2.73	
32 94 43		**Tree Grates** *(32 94)*		
32 94 43 00-0001		Tree Grates With Frames *(32 94 43)*		
32 94 43 00-0002		Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,134.76	76.74
		For >3 To 9, Deduct	*-73.59*	
		For >9, Deduct	*-152.10*	
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,313.17	76.74
		For >3 To 9, Deduct	*-86.98*	
		For >9, Deduct	*-179.75*	
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,587.34	102.33
		For >3 To 9, Deduct	*-103.70*	
		For >9, Deduct	*-214.32*	
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,975.65	102.33
		For >3 To 9, Deduct	*-132.83*	
		For >9, Deduct	*-274.51*	
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,533.18	127.91
		For >3 To 9, Deduct	*-170.80*	
		For >9, Deduct	*-352.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,657.80	153.48
		For >3 To 9, Deduct	*-176.31*	
		For >9, Deduct	*-364.38*	
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,928.04	153.48
		For >3 To 9, Deduct	*-196.58*	
		For >9, Deduct	*-406.27*	
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,898.15	217.44
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	4,055.58	217.44
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,186.76	217.44
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,291.71	217.44
		For >3 To 9, Deduct	*-289.26*	
		For >9, Deduct	*-597.81*	
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,370.42	217.44
		For >3 To 9, Deduct	*-295.17*	
		For >9, Deduct	*-610.01*	
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,793.50	255.81
		For >3 To 9, Deduct	*-321.14*	
		For >9, Deduct	*-663.69*	

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,045.55	76.74
		For >3 To 9, Deduct	*-66.90*	
		For >9, Deduct	*-138.27*	
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,268.56	76.74
		For >3 To 9, Deduct	*-83.63*	
		For >9, Deduct	*-172.84*	
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,882.50	127.91
		For >3 To 9, Deduct	*-122.00*	
		For >9, Deduct	*-252.14*	
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,223.59	127.91
		For >3 To 9, Deduct	*-147.58*	
		For >9, Deduct	*-305.01*	
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,538.43	127.91
		For >3 To 9, Deduct	*-171.20*	
		For >9, Deduct	*-353.81*	
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,827.04	127.91
		For >3 To 9, Deduct	*-192.84*	
		For >9, Deduct	*-398.54*	
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,089.41	127.91
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,325.54	127.91
		For >3 To 9, Deduct	*-230.23*	
		For >9, Deduct	*-475.81*	
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,191.74	179.07
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,427.87	179.07
		For >3 To 9, Deduct	*-230.23*	
		For >9, Deduct	*-475.81*	
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,637.76	179.07
		For >3 To 9, Deduct	*-245.97*	
		For >9, Deduct	*-508.34*	
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,821.42	179.07
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,978.85	179.07
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	4,110.03	179.07
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,898.15	217.44
		For >3 To 9, Deduct	*-259.75*	
		For >9, Deduct	*-536.81*	
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	4,055.58	217.44
		For >3 To 9, Deduct	*-271.55*	
		For >9, Deduct	*-561.21*	
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,186.76	217.44
		For >3 To 9, Deduct	*-281.39*	
		For >9, Deduct	*-581.54*	
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,291.71	217.44
		For >3 To 9, Deduct	*-289.26*	
		For >9, Deduct	*-597.81*	
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,370.42	217.44
		For >3 To 9, Deduct	*-295.17*	
		For >9, Deduct	*-610.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,422.89	217.44
		For >3 To 9, Deduct	*-299.10*	
		For >9, Deduct	*-618.14*	
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,449.13	217.44
		For >3 To 9, Deduct	*-301.07*	
		For >9, Deduct	*-622.21*	
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,475.37	217.44
		For >3 To 9, Deduct	*-303.04*	
		For >9, Deduct	*-626.28*	
32 94 43 00-0039		Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*		
32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,975.65	102.33
		For >3 To 9, Deduct	*-132.83*	
		For >9, Deduct	*-274.51*	
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	2,015.00	102.33
		For >3 To 9, Deduct	*-135.78*	
		For >9, Deduct	*-280.60*	
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,462.34	127.91
		For >3 To 9, Deduct	*-165.49*	
		For >9, Deduct	*-342.01*	
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,900.50	127.91
		For >3 To 9, Deduct	*-198.35*	
		For >9, Deduct	*-409.93*	
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,089.41	127.91
		For >3 To 9, Deduct	*-212.52*	
		For >9, Deduct	*-439.21*	
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,134.29	217.44
		For >3 To 9, Deduct	*-277.46*	
		For >9, Deduct	*-573.41*	
32 94 43 00-0046		Tree Grates And Frames (Dura Art Stone) *(32 94 43 00-0001)*		
32 94 43 00-0047	EA	36" Square Tree Grate; 3 TGS-1	650.64	72.71
		For >3 To 9, Deduct	*-37.13*	
		For >9, Deduct	*-76.73*	
32 94 43 00-0048	EA	48" Square Tree Grate; 4 TGS-1	982.70	72.71
		For >3 To 9, Deduct	*-62.03*	
		For >9, Deduct	*-128.20*	
32 94 43 00-0049	EA	60" Square Tree Grate; 5 TGS-1	1,446.96	72.71
		For >3 To 9, Deduct	*-96.85*	
		For >9, Deduct	*-200.16*	
32 94 43 00-0050	EA	36" Round Tree Grate; 3 TGR-4	619.89	72.71
		For >3 To 9, Deduct	*-34.82*	
		For >9, Deduct	*-71.96*	
32 94 43 00-0051	EA	48" Round Tree Grate; 4 TGR-4	913.52	72.71
		For >3 To 9, Deduct	*-56.84*	
		For >9, Deduct	*-117.47*	
32 94 43 00-0052	EA	60" Round Tree Grate; 5 TGR-4	1,284.01	72.71
		For >3 To 9, Deduct	*-84.63*	
		For >9, Deduct	*-174.90*	
32 94 43 00-0053	EA	36" Square Tree Grate; 3 TGS-2	745.95	72.71
		For >3 To 9, Deduct	*-44.27*	
		For >9, Deduct	*-91.50*	
32 94 43 00-0054	EA	48" Square Tree Grate; 4 TGS-2	1,176.40	72.71
		For >3 To 9, Deduct	*-76.56*	
		For >9, Deduct	*-158.22*	
32 94 43 00-0055	EA	60" Square Tree Grate; 5 TGS-2	1,745.20	72.71
		For >3 To 9, Deduct	*-119.22*	
		For >9, Deduct	*-246.38*	
32 94 43 00-0056	EA	36" Round Tree Grate; 3 TGR-5	678.31	72.71
		For >3 To 9, Deduct	*-39.20*	
		For >9, Deduct	*-81.02*	
32 94 43 00-0057	EA	48" Round Tree Grate; 4 TGR-5	1,018.06	72.71
		For >3 To 9, Deduct	*-64.68*	
		For >9, Deduct	*-133.68*	
32 94 43 00-0058	EA	60" Round Tree Grate; 5 TGR-5	1,360.87	72.71
		For >3 To 9, Deduct	*-90.39*	
		For >9, Deduct	*-186.81*	
32 94 43 00-0059	EA	36" Square Tree Grate; 3 TGS-3	862.79	72.71
		For >3 To 9, Deduct	*-53.04*	
		For >9, Deduct	*-109.61*	
32 94 43 00-0060	EA	48" Square Tree Grate; 4 TGS-3	1,334.74	72.71
		For >3 To 9, Deduct	*-88.43*	
		For >9, Deduct	*-182.76*	
32 94 43 00-0061	EA	60" Square Tree Grate; 5 TGS-3	1,917.38	72.71
		For >3 To 9, Deduct	*-132.13*	
		For >9, Deduct	*-273.07*	
32 94 43 00-0062	EA	36" Round Tree Grate; 3 TGR-6	792.69	72.71
		For >3 To 9, Deduct	*-47.78*	
		For >9, Deduct	*-98.74*	
32 94 43 00-0063	EA	48" Round Tree Grate; 4 TGR-6	1,175.17	72.71
		For >3 To 9, Deduct	*-76.47*	
		For >9, Deduct	*-158.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0064	EA	60" Round Tree Grate; 5 TGR-6	1,577.63	72.71
		For >3 To 9, Deduct	*-106.65*	
		For >9, Deduct	*-220.41*	
32 94 43 00-0065	EA	36" Square Tree Grate; 3 TGS-10	862.79	72.71
		For >3 To 9, Deduct	*-53.04*	
		For >9, Deduct	*-109.61*	
32 94 43 00-0066	EA	48" Square Tree Grate; 4 TGS-100	1,196.38	72.71
		For >3 To 9, Deduct	*-78.06*	
		For >9, Deduct	*-161.32*	
32 94 43 00-0067	EA	60" Square Tree Grate; 5 TGS-100	1,652.96	72.71
		For >3 To 9, Deduct	*-112.30*	
		For >9, Deduct	*-232.09*	
32 94 43 00-0068	EA	48" Square Tree Grate; 4 TGR-85	1,226.82	72.71
		For >3 To 9, Deduct	*-80.34*	
		For >9, Deduct	*-166.03*	

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	26.31
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	46.77
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	80.43

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	110.65
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	149.27
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	191.18
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	246.99

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.31
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	12.18
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	24.22
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	37.68

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	12.12
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	11.11

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.63

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	13.33
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	19.00
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	22.47
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	42.37
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	58.64

32 94 49 00-0027 Silva Cells *(32 94 49)*

Note: Excludes excavation, earthwork, crushed aggregate base, backfill, compaction, planting soil, tree and mulch. See CSI section 31 23 16 36-0001 for excavation, 31 23 16 36-0016 for backfill, 31 23 16 36-0020 for compaction, 32 11 16 16-0000 for crushed aggregate base, 32 91 13 16-0001 for mulch, 32 91 19 13-0010 for planting soil.

32 94 49 00-0028	EA	48" x 24" x 30.9" High Silva Cell 2 - 2x System (DeepRoot SC2-2X) Note: Includes one SC2 base, one SC2 deck and six 2X posts.	412.06
32 94 49 00-0029	EA	10" Long x 19/64" Diameter Galvanized Timber Spikes (DeepRoot SC Spike)	3.13
32 94 49 00-0030	EA	25" Long Cable/Zip Ties (DeepRoot SC2-Cable ties)	0.96
32 94 49 00-0031	SF	Bi/Uniaxial GeoGrid, Miragrid 2XT/ SG150 (DeepRoot SC2-GG 12-150)	0.75
32 94 49 00-0032	SF	Woven PP Geotextile Fabric (DeepRoot GT-570)	0.83
32 94 49 00-0033	EA	Strong Back, Silva Cell 2 (DeepRoot SC2-SB)	118.66
32 94 49 00-0034	LF	18" x 2' Universal Tree Root Guide (DeepRoot UB 18-2)	13.40

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 96 33 00-0001		**Moving Shrubs On Site, Relocate** *(32 96 33)* Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	81.89	
		For >25 To 50, Deduct	*-8.19*	
		For >50, Deduct	*-12.28*	
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	110.79	
		For >25 To 50, Deduct	*-11.08*	
		For >50, Deduct	*-16.62*	
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	187.86	
		For >25 To 50, Deduct	*-18.79*	
		For >50, Deduct	*-28.18*	
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	289.02	
		For >25 To 50, Deduct	*-28.90*	
		For >50, Deduct	*-43.35*	
32 96 43		**Tree Transplanting** *(32 96)* Note: Includes digging up, moving on site, digging new hole and replanting.		
32 96 43 00-0001		**Moving Trees On Site, Relocate** *(32 96 43)* Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-1188 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	321.53	
		For >5 To 10, Deduct	*-16.08*	
		For >10 To 20, Deduct	*-32.15*	
		For >20, Deduct	*-48.23*	
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	440.96	
		For >5 To 10, Deduct	*-22.05*	
		For >10 To 20, Deduct	*-44.10*	
		For >20, Deduct	*-66.14*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	714.52	
		For >5 To 10, Deduct	*-35.73*	
		For >10 To 20, Deduct	*-71.45*	
		For >20, Deduct	*-107.18*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,187.20	
		For >5 To 10, Deduct	*-59.36*	
		For >10 To 20, Deduct	*-118.72*	
		For >20, Deduct	*-178.08*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,929.20	
		For >5 To 10, Deduct	*-96.46*	
		For >10 To 20, Deduct	*-192.92*	
		For >20, Deduct	*-289.38*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	2,489.29	
		For >5 To 10, Deduct	*-124.46*	
		For >10 To 20, Deduct	*-248.93*	
		For >20, Deduct	*-373.39*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,215.33	
		For >5 To 10, Deduct	*-160.77*	
		For >10 To 20, Deduct	*-321.53*	
		For >20, Deduct	*-482.30*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	3,858.41	
		For >5 To 10, Deduct	*-192.92*	
		For >10 To 20, Deduct	*-385.84*	
		For >20, Deduct	*-578.76*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	4,384.55	
		For >5 To 10, Deduct	*-219.23*	
		For >10 To 20, Deduct	*-438.46*	
		For >20, Deduct	*-657.68*	

END OF SECTION 32

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Set-up And Removal Of Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,129.40	
33 01 10 58-0003	EA	Move And Set-up At Different Access/Location For Water Main Disinfection/Sterilization, Gas Chlorination Method	564.70	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.42	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.11*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.66	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.07*	
		For >1,000 To 2,000, Deduct	*-0.10*	
		For >2,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.17*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.85	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.09*	
		For >1,000 To 2,000, Deduct	*-0.13*	
		For >2,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.21*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	1.00	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.15*	
		For >2,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.25*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.30	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.13*	
		For >1,000 To 2,000, Deduct	*-0.20*	
		For >2,000 To 5,000, Deduct	*-0.26*	
		For >5,000, Deduct	*-0.33*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.47	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.37*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.69	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.25*	
		For >2,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.42*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.99	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.30*	
		For >2,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.50*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.57	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 2,000, Deduct	*-0.39*	
		For >2,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.64*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.76	
		For >250 To 500, Deduct	*-0.19*	
		For >500 To 1,000, Deduct	*-0.38*	
		For >1,000 To 2,000, Deduct	*-0.56*	
		For >2,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-0.94*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	5.22	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,000, Deduct	*-0.78*	
		For >2,000 To 5,000, Deduct	*-1.04*	
		For >5,000, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 01 10 71 Relining Water Utilities Pipelines *(33 01 10)*

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001 Relining Underground Water Pipelines *(33 01 10 71)*

Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.

33 01 10 71-0002 Set-Up And Reinsertion For Relining Underground Water Pipelines *(33 01 10 71-0001)*

33 01 10 71-0003	EA	Initial Set-up And Final Equipment Removal For Relining Underground Water Pipelines	6,022.95	
33 01 10 71-0004	EA	Move And Set-up At Different Access/Location	2,409.17	

33 01 10 71-0005 Lining Pipe With Cement *(33 01 10 71-0001)*

33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	69.01	
		For 3/16" Thickness, Add	*1.26*	
		For 1/4" Thickness, Add	*2.51*	
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	61.50	
		For 3/16" Thickness, Add	*1.26*	
		For 1/4" Thickness, Add	*2.51*	
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	51.44	
		For 3/16" Thickness, Add	*1.26*	
		For 1/4" Thickness, Add	*2.51*	
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	38.80	
		For 3/16" Thickness, Add	*1.26*	
		For 1/4" Thickness, Add	*2.51*	
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	71.98	
		For 3/16" Thickness, Add	*1.88*	
		For 1/4" Thickness, Add	*3.76*	
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	64.19	
		For 3/16" Thickness, Add	*1.88*	
		For 1/4" Thickness, Add	*3.76*	
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	53.78	
		For 3/16" Thickness, Add	*1.88*	
		For 1/4" Thickness, Add	*3.76*	
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	40.98	
		For 3/16" Thickness, Add	*1.88*	
		For 1/4" Thickness, Add	*3.76*	
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	74.84	
		For 3/16" Thickness, Add	*2.50*	
		For 1/4" Thickness, Add	*5.00*	
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	66.87	
		For 3/16" Thickness, Add	*2.50*	
		For 1/4" Thickness, Add	*5.00*	
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	56.11	
		For 3/16" Thickness, Add	*2.50*	
		For 1/4" Thickness, Add	*5.00*	
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	43.14	
		For 3/16" Thickness, Add	*2.50*	
		For 1/4" Thickness, Add	*5.00*	
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	77.08	
		For 3/16" Thickness, Add	*3.14*	
		For 1/4" Thickness, Add	*6.27*	
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	68.98	
		For 3/16" Thickness, Add	*3.14*	
		For 1/4" Thickness, Add	*6.27*	
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	58.07	
		For 3/16" Thickness, Add	*3.14*	
		For 1/4" Thickness, Add	*6.27*	
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	45.32	
		For 3/16" Thickness, Add	*3.14*	
		For 1/4" Thickness, Add	*6.27*	
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	83.44	
		For 3/16" Thickness, Add	*3.76*	
		For 1/4" Thickness, Add	*7.52*	
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	74.83	
		For 3/16" Thickness, Add	*3.76*	
		For 1/4" Thickness, Add	*7.52*	
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	63.22	
		For 3/16" Thickness, Add	*3.76*	
		For 1/4" Thickness, Add	*7.52*	
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	49.44	
		For 3/16" Thickness, Add	*3.76*	
		For 1/4" Thickness, Add	*7.52*	
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	90.75	
		For 1/4" Thickness, Add	*4.18*	
		For 5/16" Thickness, Add	*8.36*	
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	81.83	
		For 1/4" Thickness, Add	*4.18*	
		For 5/16" Thickness, Add	*8.36*	
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	69.73	
		For 1/4" Thickness, Add	*4.18*	
		For 5/16" Thickness, Add	*8.36*	
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	56.53	
		For 1/4" Thickness, Add	*4.18*	
		For 5/16" Thickness, Add	*8.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	95.55	
		For 1/4" Thickness, Add	*5.01*	
		For 5/16" Thickness, Add	*10.02*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	86.34	
		For 1/4" Thickness, Add	*5.01*	
		For 5/16" Thickness, Add	*10.02*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	73.84	
		For 1/4" Thickness, Add	*5.01*	
		For 5/16" Thickness, Add	*10.02*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	61.31	
		For 1/4" Thickness, Add	*5.01*	
		For 5/16" Thickness, Add	*10.02*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	101.39	
		For 1/4" Thickness, Add	*5.85*	
		For 5/16" Thickness, Add	*11.70*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	91.87	
		For 1/4" Thickness, Add	*5.85*	
		For 5/16" Thickness, Add	*11.70*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	78.77	
		For 1/4" Thickness, Add	*5.85*	
		For 5/16" Thickness, Add	*11.70*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	67.06	
		For 1/4" Thickness, Add	*5.85*	
		For 5/16" Thickness, Add	*11.70*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	107.35	
		For 1/4" Thickness, Add	*6.69*	
		For 5/16" Thickness, Add	*13.37*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	97.44	
		For 1/4" Thickness, Add	*6.69*	
		For 5/16" Thickness, Add	*13.37*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	83.92	
		For 1/4" Thickness, Add	*6.69*	
		For 5/16" Thickness, Add	*13.37*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	73.01	
		For 1/4" Thickness, Add	*6.69*	
		For 5/16" Thickness, Add	*13.37*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	115.68	
		For 1/4" Thickness, Add	*8.35*	
		For 5/16" Thickness, Add	*16.71*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	105.19	
		For 1/4" Thickness, Add	*8.35*	
		For 5/16" Thickness, Add	*16.71*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	90.87	
		For 1/4" Thickness, Add	*8.35*	
		For 5/16" Thickness, Add	*16.71*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	79.84	
		For 1/4" Thickness, Add	*8.35*	
		For 5/16" Thickness, Add	*16.71*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	123.93	
		For 1/4" Thickness, Add	*10.03*	
		For 5/16" Thickness, Add	*20.06*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	112.98	
		For 1/4" Thickness, Add	*10.03*	
		For 5/16" Thickness, Add	*20.06*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	97.85	
		For 1/4" Thickness, Add	*10.03*	
		For 5/16" Thickness, Add	*20.06*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	86.71	
		For 1/4" Thickness, Add	*10.03*	
		For 5/16" Thickness, Add	*20.06*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	155.21	
		For 3/8" Thickness, Add	*26.32*	
		For 7/16" Thickness, Add	*39.48*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	143.28	
		For 3/8" Thickness, Add	*26.32*	
		For 7/16" Thickness, Add	*39.48*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	126.84	
		For 3/8" Thickness, Add	*26.32*	
		For 7/16" Thickness, Add	*39.48*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	115.35	
		For 3/8" Thickness, Add	*26.32*	
		For 7/16" Thickness, Add	*39.48*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	171.32	
		For 3/8" Thickness, Add	*30.08*	
		For 7/16" Thickness, Add	*45.11*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	158.57	
		For 3/8" Thickness, Add	*30.08*	
		For 7/16" Thickness, Add	*45.11*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	140.90	
		For 3/8" Thickness, Add	*30.08*	
		For 7/16" Thickness, Add	*45.11*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	129.18	
		For 3/8" Thickness, Add	*30.08*	
		For 7/16" Thickness, Add	*45.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	180.92	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.75*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	167.88	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.75*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	149.79	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.75*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	138.54	
		For 3/8" Thickness, Add	*33.84*	
		For 7/16" Thickness, Add	*50.75*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	190.53	
		For 3/8" Thickness, Add	*37.61*	
		For 7/16" Thickness, Add	*56.41*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	177.26	
		For 3/8" Thickness, Add	*37.61*	
		For 7/16" Thickness, Add	*56.41*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	158.83	
		For 3/8" Thickness, Add	*37.61*	
		For 7/16" Thickness, Add	*56.41*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	147.91	
		For 3/8" Thickness, Add	*37.61*	
		For 7/16" Thickness, Add	*56.41*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	200.46	
		For 3/8" Thickness, Add	*41.37*	
		For 7/16" Thickness, Add	*62.05*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	186.91	
		For 3/8" Thickness, Add	*41.37*	
		For 7/16" Thickness, Add	*62.05*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	168.18	
		For 3/8" Thickness, Add	*41.37*	
		For 7/16" Thickness, Add	*62.05*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	158.07	
		For 3/8" Thickness, Add	*41.37*	
		For 7/16" Thickness, Add	*62.05*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	210.83	
		For 3/8" Thickness, Add	*45.12*	
		For 7/16" Thickness, Add	*67.68*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	197.05	
		For 3/8" Thickness, Add	*45.12*	
		For 7/16" Thickness, Add	*67.68*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	177.87	
		For 3/8" Thickness, Add	*45.12*	
		For 7/16" Thickness, Add	*67.68*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	168.34	
		For 3/8" Thickness, Add	*45.12*	
		For 7/16" Thickness, Add	*67.68*	

33 01 10 71-0074 Lining Pipe With Epoxy *(33 01 10 71-0001)*

33 01 10 71-0075	LF	Up To 500', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	65.47
33 01 10 71-0076	LF	>500' To 1,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	58.55
33 01 10 71-0077	LF	>1,000' To 5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	49.28
33 01 10 71-0078	LF	>5,000', 4" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	44.66
33 01 10 71-0079	LF	Up To 500', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.14
33 01 10 71-0080	LF	>500' To 1,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	61.99
33 01 10 71-0081	LF	>1,000' To 5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	52.40
33 01 10 71-0082	LF	>5,000', 6" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	47.59
33 01 10 71-0083	LF	Up To 500', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	72.75
33 01 10 71-0084	LF	>500' To 1,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	65.43
33 01 10 71-0085	LF	>1,000' To 5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	55.52
33 01 10 71-0086	LF	>5,000', 8" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	50.64
33 01 10 71-0087	LF	Up To 500', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	69.86
33 01 10 71-0088	LF	>500' To 1,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.35
33 01 10 71-0089	LF	>1,000' To 5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	58.33
33 01 10 71-0090	LF	>5,000', 10" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	53.34
33 01 10 71-0091	LF	Up To 500', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	82.64
33 01 10 71-0092	LF	>500' To 1,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	74.71
33 01 10 71-0093	LF	>1,000' To 5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	64.03
33 01 10 71-0094	LF	>5,000', 12" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	58.63
33 01 10 71-0095	LF	Up To 500', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	87.97
33 01 10 71-0096	LF	>500' To 1,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	79.74
33 01 10 71-0097	LF	>1,000' To 5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	68.62
33 01 10 71-0098	LF	>5,000', >12" To 16" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	63.01
33 01 10 71-0099	LF	Up To 500', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	93.23
33 01 10 71-0100	LF	>500' To 1,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	84.77
33 01 10 71-0101	LF	1,000' To 5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	73.27
33 01 10 71-0102	LF	>5,000', >16" To 20" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	67.46
33 01 10 71-0103	LF	Up To 500', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	99.53
33 01 10 71-0104	LF	>500' To 1,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	90.76
33 01 10 71-0105	LF	>1,000' To 5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	78.70
33 01 10 71-0106	LF	>5,000', >20" To 22" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	72.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0107	LF	Up To 500', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	105.87	
33 01 10 71-0108	LF	>500' To 1,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	96.75	
33 01 10 71-0109	LF	>1,000' To 5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	84.31	
33 01 10 71-0110	LF	>5,000', 24" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	78.09	
33 01 10 71-0111	LF	Up To 500', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	115.33	
33 01 10 71-0112	LF	>500' To 1,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	105.67	
33 01 10 71-0113	LF	>1,000' To 5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	92.50	
33 01 10 71-0114	LF	>5,000', 30" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	85.85	
33 01 10 71-0115	LF	Up To 500', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	124.68	
33 01 10 71-0116	LF	>500' To 1,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	114.60	
33 01 10 71-0117	LF	>1,000' To 5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	100.71	
33 01 10 71-0118	LF	>5,000', 36" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	93.79	
33 01 10 71-0119	LF	Up To 500', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	139.11	
33 01 10 71-0120	LF	>500' To 1,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	128.12	
33 01 10 71-0121	LF	>1,000' To 5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	113.01	
33 01 10 71-0122	LF	>5,000', 42" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	105.53	
33 01 10 71-0123	LF	Up To 500', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	153.46	
33 01 10 71-0124	LF	>500' To 1,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	141.70	
33 01 10 71-0125	LF	>1,000' To 5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	125.46	
33 01 10 71-0126	LF	>5,000', 48" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	117.42	
33 01 10 71-0127	LF	Up To 500', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	161.74	
33 01 10 71-0128	LF	>500' To 1,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	149.73	
33 01 10 71-0129	LF	>1,000' To 5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	133.10	
33 01 10 71-0130	LF	>5,000', 54" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	124.85	
33 01 10 71-0131	LF	Up To 500', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	169.98	
33 01 10 71-0132	LF	>500' To 1,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	157.79	
33 01 10 71-0133	LF	>1,000' To 5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	140.83	
33 01 10 71-0134	LF	>5,000', 60" Pipe, 1 mm (40 Mil) Epoxy Resin Lining	132.06	

33 01 10 71-0135 Water House Connection *(33 01 10 71-0001)*

33 01 10 71-0136	EA	Blow Out Line To Water House Connection After Lining	56.47	

33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*

Note: Includes cleaning.

33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	98.92	
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	131.88	
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	171.46	
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	224.21	
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	276.96	
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	316.53	

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Set-up For Video Camera *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set-up And Final Equipment Removal For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	1,037.82	
33 01 30 11-0004	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	2,075.65	
33 01 30 11-0005	EA	Initial Set-up And Final Equipment Removal For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	3,113.46	
33 01 30 11-0006	EA	Move And Set-up At Different Access/Location For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	518.91	
33 01 30 11-0007	EA	Move And Set-up At Different Access/Location For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	1,037.82	

33 01 30 11-0008 Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*

Note: For pipe interior and culverts.

33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	2.63	
		For >500 To 1,000, Deduct	*-0.26*	
		For >1,000 To 5,000, Deduct	*-0.66*	
		For >5,000, Deduct	*-0.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	3.50	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 5,000, Deduct	*-0.88*	
		For >5,000, Deduct	*-1.23*	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	4.39	
		For >500 To 1,000, Deduct	*-0.44*	
		For >1,000 To 5,000, Deduct	*-1.10*	
		For >5,000, Deduct	*-1.54*	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	5.85	
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.05*	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	8.23	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000 To 5,000, Deduct	*-2.06*	
		For >5,000, Deduct	*-2.88*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	10.96	
		For >500 To 1,000, Deduct	*-1.10*	
		For >1,000 To 5,000, Deduct	*-2.74*	
		For >5,000, Deduct	*-3.84*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	15.48	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 5,000, Deduct	*-3.87*	
		For >5,000, Deduct	*-5.42*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase Note: CCTV inspection of pipe interior.	21.93	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000 To 5,000, Deduct	*-5.48*	
		For >5,000, Deduct	*-7.68*	
33 01 30 11-0017		Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.90	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.37*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	5.19	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-1.82*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	6.49	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 5,000, Deduct	*-1.62*	
		For >5,000, Deduct	*-2.27*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.65	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 5,000, Deduct	*-2.16*	
		For >5,000, Deduct	*-3.03*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	12.16	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 5,000, Deduct	*-3.04*	
		For >5,000, Deduct	*-4.26*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	16.21	
		For >500 To 1,000, Deduct	*-1.62*	
		For >1,000 To 5,000, Deduct	*-4.05*	
		For >5,000, Deduct	*-5.67*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	22.89	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000 To 5,000, Deduct	*-5.72*	
		For >5,000, Deduct	*-8.01*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase Note: CCTV inspection of pipe interior.	32.44	
		For >500 To 1,000, Deduct	*-3.24*	
		For >1,000 To 5,000, Deduct	*-8.11*	
		For >5,000, Deduct	*-11.35*	
33 01 30 11-0026		Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	2.78	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-0.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	3.71	
		For >500 To 1,000, Deduct	*-0.37*	
		For >1,000 To 5,000, Deduct	*-0.93*	
		For >5,000, Deduct	*-1.30*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	4.63	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 5,000, Deduct	*-1.16*	
		For >5,000, Deduct	*-1.62*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	6.18	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000 To 5,000, Deduct	*-1.55*	
		For >5,000, Deduct	*-2.16*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	8.69	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 5,000, Deduct	*-2.17*	
		For >5,000, Deduct	*-3.04*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	11.58	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 5,000, Deduct	*-2.90*	
		For >5,000, Deduct	*-4.05*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	16.35	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 5,000, Deduct	*-4.09*	
		For >5,000, Deduct	*-5.72*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase Note: CCTV inspection of pipe interior.	23.16	
		For >500 To 1,000, Deduct	*-2.32*	
		For >1,000 To 5,000, Deduct	*-5.79*	
		For >5,000, Deduct	*-8.11*	

33 01 30 23 Pipe Bursting *(33 01 30)*

33 01 30 23-0001 Pipe Bursting *(33 01 30 23)*

Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.

33 01 30 23-0002 Manhole Chipping *(33 01 30 23-0001)*

Note: For use at manholes to open holes for pipe bursting head.

33 01 30 23-0003	EA	6" To 15" Diameter, Manhole Chipping	469.41
33 01 30 23-0004	EA	>15" To 24" Diameter, Manhole Chipping	551.09
33 01 30 23-0005	EA	>24" To 36" Diameter, Manhole Chipping	688.82

33 01 30 23-0006 Pipe Bursting *(33 01 30 23-0001)*

Note: Includes equipment to burst or upsize existing clay, cast iron, concrete, PVC or ductile iron pipe; pipe bursting royalty fee. Excludes CCTV inspection, PE piping, excavation of pit, backfill, compaction, final grade, seed and sod restoration, recovery of bursting head disabled by obstruction, either undocumented or unrecognizable during CCTV inspection. See CSI section 33 01 30 23-0051 for PE piping.

33 01 30 23-0007 Set-up For Pipe Bursting Equipment *(33 01 30 23-0006)*

33 01 30 23-0008	EA	Initial Set-up And Final Equipment Removal For Up To 12" Underground Pipelines For Pipe Bursting Equipment	7,987.64
33 01 30 23-0009	EA	Initial Set-up And Final Equipment Removal For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	11,981.46
33 01 30 23-0010	EA	Initial Set-up And Final Equipment Removal For > 24" To 36" Underground Pipelines For Pipe Bursting Equipment	19,969.11
33 01 30 23-0011	EA	Move And Set-up At Different Access/Location For Up To 12" Underground Pipelines For Pipe Bursting Equipment	2,995.36
33 01 30 23-0012	EA	Move And Set-up At Different Access/Location For > 12" To 24" Underground Pipelines For Pipe Bursting Equipment	4,493.05
33 01 30 23-0013	EA	Move And Set-up At Different Access/Location For > 2" To 36" Underground Pipelines For Pipe Bursting Equipment	7,488.41
33 01 30 23-0014	EA	Move And Set-up Pipe Bursting Equipment For Laterals	1,996.91

33 01 30 23-0015 Pneumatic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0016	LF	4" Diameter, Pneumatic Head Pipe Bursting	28.40	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.27*	
		For >150 To 200, Add	*1.36*	
		For >100 To 150, Add	*2.72*	
		For >75 To 100, Add	*4.09*	
		For >50 To 75, Add	*5.45*	
		For >25 To 50, Add	*7.26*	
		For Up To 25, Add	*9.99*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.27*	
		For Bursting Ductile Iron Pipe, Add	*7.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0017	LF	6" Diameter, Pneumatic Head Pipe Bursting	32.75	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.81*	
		For >150 To 200, Add	*1.69*	
		For >100 To 150, Add	*3.38*	
		For >75 To 100, Add	*5.06*	
		For >50 To 75, Add	*6.75*	
		For >25 To 50, Add	*9.00*	
		For Up To 25, Add	*12.38*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.81*	
		For Bursting Ductile Iron Pipe, Add	*8.96*	
33 01 30 23-0018	LF	8" Diameter, Pneumatic Head Pipe Bursting	36.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.33*	
		For >150 To 200, Add	*2.00*	
		For >100 To 150, Add	*3.99*	
		For >75 To 100, Add	*5.99*	
		For >50 To 75, Add	*7.98*	
		For >25 To 50, Add	*10.64*	
		For Up To 25, Add	*14.63*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.33*	
		For Bursting Ductile Iron Pipe, Add	*10.31*	
33 01 30 23-0019	LF	10" Diameter, Pneumatic Head Pipe Bursting	42.12	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.99*	
		For >150 To 200, Add	*2.39*	
		For >100 To 150, Add	*4.78*	
		For >75 To 100, Add	*7.17*	
		For >50 To 75, Add	*9.56*	
		For >25 To 50, Add	*12.75*	
		For Up To 25, Add	*17.53*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.99*	
		For Bursting Ductile Iron Pipe, Add	*12.06*	
33 01 30 23-0020	LF	12" Diameter, Pneumatic Head Pipe Bursting	48.21	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.75*	
		For >150 To 200, Add	*2.85*	
		For >100 To 150, Add	*5.70*	
		For >75 To 100, Add	*8.54*	
		For >50 To 75, Add	*11.39*	
		For >25 To 50, Add	*15.19*	
		For Up To 25, Add	*20.88*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.75*	
		For Bursting Ductile Iron Pipe, Add	*14.07*	
33 01 30 23-0021	LF	15" Diameter, Pneumatic Head Pipe Bursting	53.34	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.90*	
		For >150 To 200, Add	*2.94*	
		For >100 To 150, Add	*5.88*	
		For >75 To 100, Add	*8.82*	
		For >50 To 75, Add	*11.76*	
		For >25 To 50, Add	*15.68*	
		For Up To 25, Add	*21.55*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.90*	
		For Bursting Ductile Iron Pipe, Add	*15.06*	
33 01 30 23-0022	LF	18" Diameter, Pneumatic Head Pipe Bursting	59.44	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.66*	
		For >150 To 200, Add	*3.40*	
		For >100 To 150, Add	*6.79*	
		For >75 To 100, Add	*10.19*	
		For >50 To 75, Add	*13.59*	
		For >25 To 50, Add	*18.12*	
		For Up To 25, Add	*24.91*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.66*	
		For Bursting Ductile Iron Pipe, Add	*17.07*	
33 01 30 23-0023	LF	21"/22" Diameter, Pneumatic Head Pipe Bursting	75.11	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.74*	
		For >150 To 200, Add	*4.04*	
		For >100 To 150, Add	*8.08*	
		For >75 To 100, Add	*12.12*	
		For >50 To 75, Add	*16.16*	
		For >25 To 50, Add	*21.55*	
		For Up To 25, Add	*29.63*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.74*	
		For Bursting Ductile Iron Pipe, Add	*20.96*	
33 01 30 23-0024	LF	24" Diameter, Pneumatic Head Pipe Bursting	92.44	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.90*	
		For >150 To 200, Add	*5.34*	
		For >100 To 150, Add	*10.68*	
		For >75 To 100, Add	*16.02*	
		For >50 To 75, Add	*21.36*	
		For >25 To 50, Add	*28.48*	
		For Up To 25, Add	*39.17*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.90*	
		For Bursting Ductile Iron Pipe, Add	*26.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0025	LF	30" Diameter, Pneumatic Head Pipe Bursting	102.16	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.23*	
		For >150 To 200, Add	*5.54*	
		For >100 To 150, Add	*11.08*	
		For >75 To 100, Add	*16.62*	
		For >50 To 75, Add	*22.16*	
		For >25 To 50, Add	*29.55*	
		For Up To 25, Add	*40.63*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.23*	
		For Bursting Ductile Iron Pipe, Add	*28.62*	
33 01 30 23-0026	LF	36" Diameter, Pneumatic Head Pipe Bursting	131.89	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.95*	
		For >150 To 200, Add	*7.77*	
		For >100 To 150, Add	*15.54*	
		For >75 To 100, Add	*23.31*	
		For >50 To 75, Add	*31.08*	
		For >25 To 50, Add	*41.44*	
		For Up To 25, Add	*56.98*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.95*	
		For Bursting Ductile Iron Pipe, Add	*38.43*	

33 01 30 23-0027 Static Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0028	LF	4" Diameter, Static Head Pipe Bursting	37.23	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.37*	
		For >150 To 200, Add	*2.02*	
		For >100 To 150, Add	*4.05*	
		For >75 To 100, Add	*6.07*	
		For >50 To 75, Add	*8.10*	
		For >25 To 50, Add	*10.80*	
		For Up To 25, Add	*14.84*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.37*	
		For Bursting Ductile Iron Pipe, Add	*10.44*	
33 01 30 23-0029	LF	6" Diameter, Static Head Pipe Bursting	41.62	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.92*	
		For >150 To 200, Add	*2.35*	
		For >100 To 150, Add	*4.71*	
		For >75 To 100, Add	*7.06*	
		For >50 To 75, Add	*9.41*	
		For >25 To 50, Add	*12.55*	
		For Up To 25, Add	*17.26*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.92*	
		For Bursting Ductile Iron Pipe, Add	*11.89*	
33 01 30 23-0030	LF	8" Diameter, Static Head Pipe Bursting	46.69	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.56*	
		For >150 To 200, Add	*2.73*	
		For >100 To 150, Add	*5.47*	
		For >75 To 100, Add	*8.20*	
		For >50 To 75, Add	*10.94*	
		For >25 To 50, Add	*14.58*	
		For Up To 25, Add	*20.05*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.56*	
		For Bursting Ductile Iron Pipe, Add	*13.56*	
33 01 30 23-0031	LF	10" Diameter, Static Head Pipe Bursting	53.29	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.38*	
		For >150 To 200, Add	*3.23*	
		For >100 To 150, Add	*6.46*	
		For >75 To 100, Add	*9.69*	
		For >50 To 75, Add	*12.92*	
		For >25 To 50, Add	*17.22*	
		For Up To 25, Add	*23.68*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.38*	
		For Bursting Ductile Iron Pipe, Add	*15.74*	
33 01 30 23-0032	LF	12" Diameter, Static Head Pipe Bursting	60.89	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.33*	
		For >150 To 200, Add	*3.80*	
		For >100 To 150, Add	*7.60*	
		For >75 To 100, Add	*11.40*	
		For >50 To 75, Add	*15.20*	
		For >25 To 50, Add	*20.26*	
		For Up To 25, Add	*27.86*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.33*	
		For Bursting Ductile Iron Pipe, Add	*18.25*	
33 01 30 23-0033	LF	15" Diameter, Static Head Pipe Bursting	69.79	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.96*	
		For >150 To 200, Add	*4.17*	
		For >100 To 150, Add	*8.35*	
		For >75 To 100, Add	*12.52*	
		For >50 To 75, Add	*16.69*	
		For >25 To 50, Add	*22.26*	
		For Up To 25, Add	*30.60*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.96*	
		For Bursting Ductile Iron Pipe, Add	*20.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0034	LF	18" Diameter, Static Head Pipe Bursting	77.12	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*7.87*	
		For >150 To 200, Add	*4.72*	
		For >100 To 150, Add	*9.45*	
		For >75 To 100, Add	*14.17*	
		For >50 To 75, Add	*18.89*	
		For >25 To 50, Add	*25.19*	
		For Up To 25, Add	*34.63*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*7.87*	
		For Bursting Ductile Iron Pipe, Add	*22.90*	
33 01 30 23-0035	LF	21"/22" Diameter, Static Head Pipe Bursting	96.63	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*9.43*	
		For >150 To 200, Add	*5.66*	
		For >100 To 150, Add	*11.31*	
		For >75 To 100, Add	*16.97*	
		For >50 To 75, Add	*22.62*	
		For >25 To 50, Add	*30.16*	
		For Up To 25, Add	*41.47*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*9.43*	
		For Bursting Ductile Iron Pipe, Add	*28.07*	
33 01 30 23-0036	LF	24" Diameter, Static Head Pipe Bursting	124.94	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*12.96*	
		For >150 To 200, Add	*7.78*	
		For >100 To 150, Add	*15.56*	
		For >75 To 100, Add	*23.33*	
		For >50 To 75, Add	*31.11*	
		For >25 To 50, Add	*41.48*	
		For Up To 25, Add	*57.04*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*12.96*	
		For Bursting Ductile Iron Pipe, Add	*37.41*	
33 01 30 23-0037	LF	30" Diameter, Static Head Pipe Bursting	152.21	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*15.49*	
		For >150 To 200, Add	*9.29*	
		For >100 To 150, Add	*18.59*	
		For >75 To 100, Add	*27.88*	
		For >50 To 75, Add	*37.18*	
		For >25 To 50, Add	*49.57*	
		For Up To 25, Add	*68.16*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*15.49*	
		For Bursting Ductile Iron Pipe, Add	*45.14*	
33 01 30 23-0038	LF	36" Diameter, Static Head Pipe Bursting	183.64	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*19.42*	
		For >150 To 200, Add	*11.65*	
		For >100 To 150, Add	*23.30*	
		For >75 To 100, Add	*34.95*	
		For >50 To 75, Add	*46.61*	
		For >25 To 50, Add	*62.14*	
		For Up To 25, Add	*85.44*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*19.42*	
		For Bursting Ductile Iron Pipe, Add	*55.51*	

33 01 30 23-0039 Hydraulic Head Pipe Bursting *(33 01 30 23-0006)*

33 01 30 23-0040	LF	4" Diameter, Hydraulic Head Pipe Bursting	32.42	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*2.77*	
		For >150 To 200, Add	*1.66*	
		For >100 To 150, Add	*3.33*	
		For >75 To 100, Add	*4.99*	
		For >50 To 75, Add	*6.65*	
		For >25 To 50, Add	*8.87*	
		For Up To 25, Add	*12.20*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*2.77*	
		For Bursting Ductile Iron Pipe, Add	*8.86*	
33 01 30 23-0041	LF	6" Diameter, Hydraulic Head Pipe Bursting	36.32	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.26*	
		For >150 To 200, Add	*1.96*	
		For >100 To 150, Add	*3.91*	
		For >75 To 100, Add	*5.87*	
		For >50 To 75, Add	*7.82*	
		For >25 To 50, Add	*10.43*	
		For Up To 25, Add	*14.34*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.26*	
		For Bursting Ductile Iron Pipe, Add	*10.14*	
33 01 30 23-0042	LF	8" Diameter, Hydraulic Head Pipe Bursting	40.79	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*3.82*	
		For >150 To 200, Add	*2.29*	
		For >100 To 150, Add	*4.58*	
		For >75 To 100, Add	*6.87*	
		For >50 To 75, Add	*9.17*	
		For >25 To 50, Add	*12.22*	
		For Up To 25, Add	*16.80*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*3.82*	
		For Bursting Ductile Iron Pipe, Add	*11.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0043	LF	10" Diameter, Hydraulic Head Pipe Bursting	46.58	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*4.54*	
		For >150 To 200, Add	*2.73*	
		For >100 To 150, Add	*5.45*	
		For >75 To 100, Add	*8.18*	
		For >50 To 75, Add	*10.90*	
		For >25 To 50, Add	*14.54*	
		For Up To 25, Add	*19.99*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*4.54*	
		For Bursting Ductile Iron Pipe, Add	*13.53*	
33 01 30 23-0044	LF	12" Diameter, Hydraulic Head Pipe Bursting	53.29	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.38*	
		For >150 To 200, Add	*3.23*	
		For >100 To 150, Add	*6.46*	
		For >75 To 100, Add	*9.69*	
		For >50 To 75, Add	*12.92*	
		For >25 To 50, Add	*17.22*	
		For Up To 25, Add	*23.68*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.38*	
		For Bursting Ductile Iron Pipe, Add	*15.74*	
33 01 30 23-0045	LF	15" Diameter, Hydraulic Head Pipe Bursting	60.90	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*5.84*	
		For >150 To 200, Add	*3.51*	
		For >100 To 150, Add	*7.01*	
		For >75 To 100, Add	*10.52*	
		For >50 To 75, Add	*14.03*	
		For >25 To 50, Add	*18.70*	
		For Up To 25, Add	*25.71*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*5.84*	
		For Bursting Ductile Iron Pipe, Add	*17.55*	
33 01 30 23-0046	LF	18" Diameter, Hydraulic Head Pipe Bursting	68.10	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*6.74*	
		For >150 To 200, Add	*4.05*	
		For >100 To 150, Add	*8.09*	
		For >75 To 100, Add	*12.14*	
		For >50 To 75, Add	*16.19*	
		For >25 To 50, Add	*21.58*	
		For Up To 25, Add	*29.67*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*6.74*	
		For Bursting Ductile Iron Pipe, Add	*19.93*	
33 01 30 23-0047	LF	21"/22" Diameter, Hydraulic Head Pipe Bursting	85.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*8.08*	
		For >150 To 200, Add	*4.85*	
		For >100 To 150, Add	*9.69*	
		For >75 To 100, Add	*14.54*	
		For >50 To 75, Add	*19.38*	
		For >25 To 50, Add	*25.84*	
		For Up To 25, Add	*35.54*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*8.08*	
		For Bursting Ductile Iron Pipe, Add	*24.51*	
33 01 30 23-0048	LF	24" Diameter, Hydraulic Head Pipe Bursting	111.84	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*11.33*	
		For >150 To 200, Add	*6.80*	
		For >100 To 150, Add	*13.59*	
		For >75 To 100, Add	*20.39*	
		For >50 To 75, Add	*27.18*	
		For >25 To 50, Add	*36.24*	
		For Up To 25, Add	*49.84*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*11.33*	
		For Bursting Ductile Iron Pipe, Add	*33.09*	
33 01 30 23-0049	LF	30" Diameter, Hydraulic Head Pipe Bursting	137.54	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*13.66*	
		For >150 To 200, Add	*8.19*	
		For >100 To 150, Add	*16.39*	
		For >75 To 100, Add	*24.58*	
		For >50 To 75, Add	*32.78*	
		For >25 To 50, Add	*43.70*	
		For Up To 25, Add	*60.09*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*13.66*	
		For Bursting Ductile Iron Pipe, Add	*40.30*	
33 01 30 23-0050	LF	36" Diameter, Hydraulic Head Pipe Bursting	167.42	
		For The Increase In Pipe Diameter By 1 Pipe Size, Add	*17.39*	
		For >150 To 200, Add	*10.43*	
		For >100 To 150, Add	*20.87*	
		For >75 To 100, Add	*31.30*	
		For >50 To 75, Add	*41.74*	
		For >25 To 50, Add	*55.65*	
		For Up To 25, Add	*76.52*	
		For Bursting Polyvinyl Chloride (PVC) Pipe, Add	*17.39*	
		For Bursting Ductile Iron Pipe, Add	*50.16*	

33 01 30 23-0051 Pipe Lining *(33 01 30 23-0001)*

33 01 30 23-0052 Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining *(33 01 30 23-0051)*

Note: Per each joint.

33 01 30 23-0053	EA	4" To 15", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	145.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0054	EA	>15" To 24", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	167.09	
33 01 30 23-0055	EA	>24" To 36", Pipe Fusion For High-Density Polyethylene (HDPE) Pipe Lining	199.28	
33 01 30 23-0056		**High-Density Polyethylene (HDPE) Pipe Lining, DR 17** *(33 01 30 23-0051)* Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0052 for pipe joint fusion.		
33 01 30 23-0057	LF	4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	4.73	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.52*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*1.42*	
		For White Interior Pipe, Add	*0.96*	
		For Gray Interior Pipe, Add	*0.73*	
33 01 30 23-0058	LF	5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	6.27	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-0.79*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*2.15*	
		For White Interior Pipe, Add	*1.45*	
		For Gray Interior Pipe, Add	*1.10*	
33 01 30 23-0059	LF	6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	8.20	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.13*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.07*	
		For White Interior Pipe, Add	*2.07*	
		For Gray Interior Pipe, Add	*1.57*	
33 01 30 23-0060	LF	7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	9.23	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.31*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*3.55*	
		For White Interior Pipe, Add	*2.40*	
		For Gray Interior Pipe, Add	*1.82*	
33 01 30 23-0061	LF	8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	12.63	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-1.91*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*5.19*	
		For White Interior Pipe, Add	*3.50*	
		For Gray Interior Pipe, Add	*2.65*	
33 01 30 23-0062	LF	10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	18.56	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-2.97*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*8.06*	
		For White Interior Pipe, Add	*5.44*	
		For Gray Interior Pipe, Add	*4.12*	
33 01 30 23-0063	LF	12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	25.32	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.18*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*11.34*	
		For White Interior Pipe, Add	*7.66*	
		For Gray Interior Pipe, Add	*5.80*	
33 01 30 23-0064	LF	13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	27.71	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-4.59*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*12.48*	
		For White Interior Pipe, Add	*8.42*	
		For Gray Interior Pipe, Add	*6.38*	
33 01 30 23-0065	LF	14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	30.23	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-5.04*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*13.68*	
		For White Interior Pipe, Add	*9.23*	
		For Gray Interior Pipe, Add	*7.00*	
33 01 30 23-0066	LF	16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	38.92	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-6.58*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*17.86*	
		For White Interior Pipe, Add	*12.05*	
		For Gray Interior Pipe, Add	*9.13*	
33 01 30 23-0067	LF	18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	48.83	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-8.33*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*22.63*	
		For White Interior Pipe, Add	*15.27*	
		For Gray Interior Pipe, Add	*11.57*	
33 01 30 23-0068	LF	20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	59.84	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-10.28*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*27.92*	
		For White Interior Pipe, Add	*18.84*	
		For Gray Interior Pipe, Add	*14.28*	
33 01 30 23-0069	LF	22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	72.03	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-12.44*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*33.79*	
		For White Interior Pipe, Add	*22.80*	
		For Gray Interior Pipe, Add	*17.27*	
33 01 30 23-0070	LF	24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	85.45	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-14.81*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*40.22*	
		For White Interior Pipe, Add	*27.14*	
		For Gray Interior Pipe, Add	*20.56*	
33 01 30 23-0071	LF	26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	99.94	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-17.36*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*47.17*	
		For White Interior Pipe, Add	*31.83*	
		For Gray Interior Pipe, Add	*24.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0072	LF	28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	115.74	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-20.14*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*54.72*	
		For White Interior Pipe, Add	*36.93*	
		For Gray Interior Pipe, Add	*27.98*	
33 01 30 23-0073	LF	30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	132.73	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-23.12*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*62.82*	
		For White Interior Pipe, Add	*42.40*	
		For Gray Interior Pipe, Add	*32.12*	
33 01 30 23-0074	LF	32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	150.92	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-26.30*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*71.46*	
		For White Interior Pipe, Add	*48.22*	
		For Gray Interior Pipe, Add	*36.53*	
33 01 30 23-0075	LF	34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	185.79	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-32.46*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*88.18*	
		For White Interior Pipe, Add	*59.51*	
		For Gray Interior Pipe, Add	*45.08*	
33 01 30 23-0076	LF	36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining	191.35	
		For DR 21 Polyethylene Pipe, 80 PSI, Deduct	*-33.29*	
		For DR 11 Polyethylene Pipe, 160 PSI, Add	*90.45*	
		For White Interior Pipe, Add	*61.04*	
		For Gray Interior Pipe, Add	*46.24*	

33 01 30 23-0077 Re-Connection Of Non-Renewed Laterals *(33 01 30 23-0001)*

Note: Excludes earthwork excavation and backfill

33 01 30 23-0078 Re-Connection Of Laterals; Insert-A-Tee *(33 01 30 23-0077)*

Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0079	EA	Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee	1,378.46	
		For No Excavation, Deduct	*-907.12*	
33 01 30 23-0080	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee	1,547.94	
		For No Excavation, Deduct	*-1,020.50*	
33 01 30 23-0081	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee	1,633.94	
		For No Excavation, Deduct	*-1,077.20*	
33 01 30 23-0082	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee	1,719.94	
		For No Excavation, Deduct	*-1,133.90*	
33 01 30 23-0083	EA	Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee	1,853.48	
		For No Excavation, Deduct	*-1,190.59*	
33 01 30 23-0084	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee	1,737.46	
		For No Excavation, Deduct	*-1,133.90*	
33 01 30 23-0085	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee	1,825.96	
		For No Excavation, Deduct	*-1,190.59*	
33 01 30 23-0086	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee	1,949.48	
		For No Excavation, Deduct	*-1,247.28*	
33 01 30 23-0087	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee	2,243.17	
		For No Excavation, Deduct	*-1,303.97*	
33 01 30 23-0088	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee	2,359.20	
		For No Excavation, Deduct	*-1,360.67*	
33 01 30 23-0089	EA	Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee	2,805.53	
		For No Excavation, Deduct	*-1,417.37*	

33 01 30 23-0090 Re-Connection Of Laterals; Saddle Style *(33 01 30 23-0077)*

Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high-density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0039 for hauling, 31 05 16 00-0001 for back-fill material.

33 01 30 23-0091	EA	Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)	2,948.29	
		For No Excavation, Deduct	*-1,012.41*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-266.44*	
33 01 30 23-0092	EA	Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)	3,240.06	
		For No Excavation, Deduct	*-1,052.90*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-251.02*	
33 01 30 23-0093	EA	Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,430.17	
		For No Excavation, Deduct	*-1,093.40*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-100.85*	
33 01 30 23-0094	EA	Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)	4,673.14	
		For No Excavation, Deduct	*-1,214.89*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*-149.45*	
33 01 30 23-0095	EA	Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,073.36	
		For No Excavation, Deduct	*-1,295.88*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*303.89*	
33 01 30 23-0096	EA	Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)	8,756.35	
		For No Excavation, Deduct	*-1,437.62*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*307.12*	
33 01 30 23-0097	EA	Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,699.07	
		For No Excavation, Deduct	*-1,579.35*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*649.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0098	EA	Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)	11,204.02	
		For No Excavation, Deduct	*-1,781.84*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*433.32*	
33 01 30 23-0099	EA	Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)	13,597.09	
		For No Excavation, Deduct	*-2,105.81*	
		For Strap-On Saddle Type Instead Of Fusion Weld	*565.50*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*

Note: Includes flushing. Owner provided water. See CSI section 33 01 30 89-0001 for bypass pumping and piping.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*

Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Set-up And Reinsertion For Hydro Jet *(33 01 30 41-0002)*

Note: Includes mobilization delivery, set-up, cleanup after use and return.

33 01 30 41-0004	EA	Initial Set-up And Final Equipment Removal For Up To 8" Jet Cleaning	1,540.53
33 01 30 41-0005	EA	Initial Set-up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,310.79
33 01 30 41-0006	EA	Initial Set-up And Final Equipment Removal For >12" To 30" Jet Cleaning	3,081.07
33 01 30 41-0007	EA	Initial Set-up And Final Equipment Removal For >30" Jet Cleaning	4,108.08
33 01 30 41-0008	EA	Move And Set-up At Different Access/Location For Up To 8" Jet Cleaning	385.13
33 01 30 41-0009	EA	Move And Set-up At Different Access/Location For >8" To 12" Jet Cleaning	577.69
33 01 30 41-0010	EA	Move And Set-up At Different Access/Location For >12" To 30" Jet Cleaning	770.27
33 01 30 41-0011	EA	Move And Set-up At Different Access/Location For >30" Jet Cleaning	962.83

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.14
		For >250 To 500, Deduct	*-0.21*
		For >500 To 1,000, Deduct	*-0.41*
		For >1,000 To 2,000, Deduct	*-0.62*
		For >2,000 To 5,000, Deduct	*-0.83*
		For >5,000, Deduct	*-1.04*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.11*
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.75
		For >250 To 500, Deduct	*-0.24*
		For >500 To 1,000, Deduct	*-0.48*
		For >1,000 To 2,000, Deduct	*-0.71*
		For >2,000 To 5,000, Deduct	*-0.95*
		For >5,000, Deduct	*-1.19*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.56*
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.58
		For >250 To 500, Deduct	*-0.28*
		For >500 To 1,000, Deduct	*-0.56*
		For >1,000 To 2,000, Deduct	*-0.84*
		For >2,000 To 5,000, Deduct	*-1.12*
		For >5,000, Deduct	*-1.40*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.19*
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.91
		For >250 To 500, Deduct	*-0.35*
		For >500 To 1,000, Deduct	*-0.69*
		For >1,000 To 2,000, Deduct	*-1.04*
		For >2,000 To 5,000, Deduct	*-1.38*
		For >5,000, Deduct	*-1.73*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.18*
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.83
		For >250 To 500, Deduct	*-0.39*
		For >500 To 1,000, Deduct	*-0.78*
		For >1,000 To 2,000, Deduct	*-1.17*
		For >2,000 To 5,000, Deduct	*-1.57*
		For >5,000, Deduct	*-1.96*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.87*
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	9.04
		For >250 To 500, Deduct	*-0.45*
		For >500 To 1,000, Deduct	*-0.90*
		For >1,000 To 2,000, Deduct	*-1.36*
		For >2,000 To 5,000, Deduct	*-1.81*
		For >5,000, Deduct	*-2.26*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.78*
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.88
		For >250 To 500, Deduct	*-0.54*
		For >500 To 1,000, Deduct	*-1.09*
		For >1,000 To 2,000, Deduct	*-1.63*
		For >2,000 To 5,000, Deduct	*-2.18*
		For >5,000, Deduct	*-2.72*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.16*
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	12.34
		For >250 To 500, Deduct	*-0.62*
		For >500 To 1,000, Deduct	*-1.23*
		For >1,000 To 2,000, Deduct	*-1.85*
		For >2,000 To 5,000, Deduct	*-2.47*
		For >5,000, Deduct	*-3.09*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*9.26*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.59	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000 To 2,000, Deduct	*-2.19*	
		For >2,000 To 5,000, Deduct	*-2.92*	
		For >5,000, Deduct	*-3.65*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.94*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	18.34	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.83*	
		For >1,000 To 2,000, Deduct	*-2.75*	
		For >2,000 To 5,000, Deduct	*-3.67*	
		For >5,000, Deduct	*-4.59*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.76*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	21.39	
		For >250 To 500, Deduct	*-1.07*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000 To 2,000, Deduct	*-3.21*	
		For >2,000 To 5,000, Deduct	*-4.28*	
		For >5,000, Deduct	*-5.35*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*16.04*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.55	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.23*	
		For >2,000 To 5,000, Deduct	*-0.31*	
		For >5,000, Deduct	*-0.39*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.78	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.18*	
		For >1,000 To 2,000, Deduct	*-0.27*	
		For >2,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.45*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.09	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.21*	
		For >1,000 To 2,000, Deduct	*-0.31*	
		For >2,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.52*	
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.40	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.36*	
		For >2,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-0.60*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.20	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 2,000, Deduct	*-0.48*	
		For >2,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-0.80*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	19.17	
		For >250 To 500, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000 To 2,000, Deduct	*-2.88*	
		For >2,000 To 5,000, Deduct	*-3.83*	
		For >5,000, Deduct	*-4.79*	

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set-up And Final Equipment Removal For Mechanical Cleaning	1,355.29	
33 01 30 41-0034	EA	Move And Set-up At Different Access/Location For Mechanical Cleaning	451.76	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.85	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.51*	
		For >5,000, Deduct	*-1.88*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	10.32	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.45*	
		For >2,000 To 5,000, Deduct	*-1.94*	
		For >5,000, Deduct	*-2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	12.08	
		For >250 To 500, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-1.69*	
		For >2,000 To 5,000, Deduct	*-2.26*	
		For >5,000, Deduct	*-2.82*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	13.98	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000 To 5,000, Deduct	*-2.61*	
		For >5,000, Deduct	*-3.26*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	15.23	
		For >250 To 500, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,000, Deduct	*-2.12*	
		For >2,000 To 5,000, Deduct	*-2.82*	
		For >5,000, Deduct	*-3.53*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	17.56	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.61*	
		For >1,000 To 2,000, Deduct	*-2.42*	
		For >2,000 To 5,000, Deduct	*-3.23*	
		For >5,000, Deduct	*-4.03*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	22.16	
		For >250 To 500, Deduct	*-1.00*	
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000 To 2,000, Deduct	*-2.99*	
		For >2,000 To 5,000, Deduct	*-3.99*	
		For >5,000, Deduct	*-4.98*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	25.40	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000 To 2,000, Deduct	*-3.33*	
		For >2,000 To 5,000, Deduct	*-4.44*	
		For >5,000, Deduct	*-5.56*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	29.54	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-2.56*	
		For >1,000 To 2,000, Deduct	*-3.84*	
		For >2,000 To 5,000, Deduct	*-5.11*	
		For >5,000, Deduct	*-6.39*	
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	38.65	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000 To 2,000, Deduct	*-5.08*	
		For >2,000 To 5,000, Deduct	*-6.78*	
		For >5,000, Deduct	*-8.47*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	44.01	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000 To 2,000, Deduct	*-5.65*	
		For >2,000 To 5,000, Deduct	*-7.53*	
		For >5,000, Deduct	*-9.41*	

33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0047	EA	Initial Set-up And Final Equipment Removal For Auguring	1,355.29	
33 01 30 41-0048	EA	Move And Set-up At Different Location For Auguring	451.76	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.52	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000 To 2,000, Deduct	*-0.68*	
		For >2,000 To 5,000, Deduct	*-0.90*	
		For >5,000, Deduct	*-1.13*	
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.84	
		For >250 To 500, Deduct	*-0.29*	
		For >500 To 1,000, Deduct	*-0.58*	
		For >1,000 To 2,000, Deduct	*-0.88*	
		For >2,000 To 5,000, Deduct	*-1.17*	
		For >5,000, Deduct	*-1.46*	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.78	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.68*	
		For >1,000 To 2,000, Deduct	*-1.02*	
		For >2,000 To 5,000, Deduct	*-1.36*	
		For >5,000, Deduct	*-1.70*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.88	
		For >250 To 500, Deduct	*-0.39*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.18*	
		For >2,000 To 5,000, Deduct	*-1.58*	
		For >5,000, Deduct	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.47	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000 To 2,000, Deduct	*-1.27*	
		For >2,000 To 5,000, Deduct	*-1.69*	
		For >5,000, Deduct	*-2.12*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.68	
		For >250 To 500, Deduct	*-0.48*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.45*	
		For >2,000 To 5,000, Deduct	*-1.94*	
		For >5,000, Deduct	*-2.42*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.89	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000 To 2,000, Deduct	*-1.78*	
		For >2,000 To 5,000, Deduct	*-2.38*	
		For >5,000, Deduct	*-2.97*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	13.28	
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000 To 2,000, Deduct	*-1.99*	
		For >2,000 To 5,000, Deduct	*-2.66*	
		For >5,000, Deduct	*-3.32*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	15.40	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.31*	
		For >2,000 To 5,000, Deduct	*-3.08*	
		For >5,000, Deduct	*-3.85*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	21.17	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000 To 5,000, Deduct	*-4.23*	
		For >5,000, Deduct	*-5.29*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	22.59	
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000 To 2,000, Deduct	*-3.39*	
		For >2,000 To 5,000, Deduct	*-4.52*	
		For >5,000, Deduct	*-5.65*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

33 01 30 42-0001 Structure Cleaning And Flushing *(33 01 30 42)*

Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*

33 01 30 42-0003	EA	Rod Out Waste Water Drain	57.42
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	114.86
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	22.97
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	25.26
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	28.72
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	33.31
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	39.05
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	45.94
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	53.98
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	62.02
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	72.36
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	86.14
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	287.14
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	959.06
		For >10 To 100, Deduct	*-143.86*
		For >100 To 250, Deduct	*-215.79*
		For >250, Deduct	*-287.72*
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,150.87
		For >10 To 100, Deduct	*-172.63*
		For >100 To 250, Deduct	*-258.95*
		For >250, Deduct	*-345.26*
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	575.44
		For >10 To 100, Deduct	*-86.32*
		For >100 To 250, Deduct	*-129.47*
		For >250, Deduct	*-172.63*

33 01 30 42-0019 Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)*

Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.

33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	329.63
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	306.23
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	282.83
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	259.42
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	236.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	212.61	

33 01 30 43 Removal of Protruding Service Connection *(33 01 30)*

33 01 30 43-0001 Trim Protruding Service Taps *(33 01 30 43)*

33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic	838.29	
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic	922.12	
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic	1,005.94	

33 01 30 51 Maintenance of Utilities *(33 01 30)*

33 01 30 51-0001 Pipe Repair *(33 01 30 51)*

Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.

33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)*

Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	132.61	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	187.20	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	215.79	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	245.57	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	142.93	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	198.88	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	227.55	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	262.58	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	153.39	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	206.74	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.62	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	277.57	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	172.65	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	227.53	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	275.80	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	332.21	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	432.96	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	538.04	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	655.96	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	202.86	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	268.81	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	318.54	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	373.56	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	514.49	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	625.34	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	746.86	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	266.84	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	346.09	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	417.60	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	498.82	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	659.34	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	788.61	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		934.59	
		For Stainless Steel Nuts And Bolts, Add		*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		311.17	
		For Stainless Steel Nuts And Bolts, Add		*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		416.71	
		For Stainless Steel Nuts And Bolts, Add		*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		491.18	
		For Stainless Steel Nuts And Bolts, Add		*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		602.08	
		For Stainless Steel Nuts And Bolts, Add		*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		787.64	
		For Stainless Steel Nuts And Bolts, Add		*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		898.40	
		For Stainless Steel Nuts And Bolts, Add		*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		1,152.73	
		For Stainless Steel Nuts And Bolts, Add		*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		354.57	
		For Stainless Steel Nuts And Bolts, Add		*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		462.00	
		For Stainless Steel Nuts And Bolts, Add		*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		557.54	
		For Stainless Steel Nuts And Bolts, Add		*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		685.17	
		For Stainless Steel Nuts And Bolts, Add		*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		878.98	
		For Stainless Steel Nuts And Bolts, Add		*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		1,034.53	
		For Stainless Steel Nuts And Bolts, Add		*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)		1,311.69	
		For Stainless Steel Nuts And Bolts, Add		*216.11*	

33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands *(33 01 30 51-0001)*

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		774.17	
		For Stainless Steel Nuts And Bolts, Add		*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,094.83	
		For Stainless Steel Nuts And Bolts, Add		*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,472.83	
		For Stainless Steel Nuts And Bolts, Add		*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		2,162.55	
		For Stainless Steel Nuts And Bolts, Add		*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		812.63	
		For Stainless Steel Nuts And Bolts, Add		*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,146.16	
		For Stainless Steel Nuts And Bolts, Add		*314.03*	
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,538.25	
		For Stainless Steel Nuts And Bolts, Add		*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		2,267.16	
		For Stainless Steel Nuts And Bolts, Add		*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		833.95	
		For Stainless Steel Nuts And Bolts, Add		*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,174.17	
		For Stainless Steel Nuts And Bolts, Add		*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,579.42	
		For Stainless Steel Nuts And Bolts, Add		*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		2,325.99	
		For Stainless Steel Nuts And Bolts, Add		*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		856.44	
		For Stainless Steel Nuts And Bolts, Add		*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,206.12	
		For Stainless Steel Nuts And Bolts, Add		*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		1,619.84	
		For Stainless Steel Nuts And Bolts, Add		*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		2,385.11	
		For Stainless Steel Nuts And Bolts, Add		*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)		876.81	
		For Stainless Steel Nuts And Bolts, Add		*230.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,233.72	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,660.25	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,438.97	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	895.95	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,261.72	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,696.17	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,474.20	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	917.74	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,294.61	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,734.18	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,549.25	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 Repair Couplings and Fittings *(33 01 30 51-0001)*

33 01 30 51-0080 Compression Couplings And Fittings For Copper Pipe *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 88.

33 01 30 51-0081 Copper Compression Repair Couplings *(33 01 30 51-0080)*

33 01 30 51-0082	EA	1/2" Copper Compression Repair Coupling	90.40
33 01 30 51-0083	EA	3/4" Copper Compression Repair Coupling	105.15
33 01 30 51-0084	EA	1" Copper Compression Repair Coupling	123.62
33 01 30 51-0085	EA	1-1/4" Copper Compression Repair Coupling	139.06
33 01 30 51-0086	EA	1-1/2" Copper Compression Repair Coupling	214.89

33 01 30 51-0087 Copper Compression Repair Fitting, 90 Degree Elbows *(33 01 30 51-0080)*

33 01 30 51-0088	EA	1/2" Copper Compression Repair 90 Degree Elbow	108.63
33 01 30 51-0089	EA	1" Copper Compression Repair 90 Degree Elbow	126.22
33 01 30 51-0090	EA	1-1/2" Copper Compression Repair 90 Degree Elbow	256.34
33 01 30 51-0091	EA	1" IPS x 1" CTS 90 Degree Plain End Street Elbow	101.81
33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow	91.49
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow	107.09
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow	132.47

33 01 30 51-0095 Copper Compression Repair Fitting, Tees *(33 01 30 51-0080)*

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee	199.27
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee	154.48
33 01 30 51-0098	EA	1" Copper Compression Repair Tee	183.53
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee	151.20

33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters *(33 01 30 51-0080)*

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter	93.98
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter	75.51
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter	86.06
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter	104.75
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter	125.25
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter	136.70

33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters *(33 01 30 51-0080)*

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter	110.14
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter	116.76

33 01 30 51-0110 Compression Couplings And Fittings For Steel Pipe, Cast Body *(33 01 30 51-0079)*

Note: Includes gaskets. Dresser style 90.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0111		**Compression Couplings For Steel Pipe, Cast Body** *(33 01 30 51-0110)*		
		Note: Includes gaskets.		
33 01 30 51-0112	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring	79.57	
33 01 30 51-0113	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring	79.49	
33 01 30 51-0114	EA	1" Cast Body, Compression Coupling, 5" Middle Ring	89.23	
33 01 30 51-0115	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring	99.08	
33 01 30 51-0116	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring	122.32	
33 01 30 51-0117	EA	2" Cast Body, Compression Coupling, 5" Middle Ring	149.02	
33 01 30 51-0118	EA	1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	81.95	
33 01 30 51-0119	EA	3/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	82.11	
33 01 30 51-0120	EA	1" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	89.62	
33 01 30 51-0121	EA	1-1/4" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	100.30	
33 01 30 51-0122	EA	1-1/2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	126.31	
33 01 30 51-0123	EA	2" Cast Body, Compression Coupling, 5" Middle Ring With Armored Gasket	150.78	
33 01 30 51-0124	EA	3/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	161.06	
33 01 30 51-0125	EA	1" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	188.44	
33 01 30 51-0126	EA	1-1/4" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	195.20	
33 01 30 51-0127	EA	1-1/2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	218.23	
33 01 30 51-0128	EA	2" Steel Body, Compression Coupling, 5" Middle Ring With Armored Gasket	265.78	
33 01 30 51-0129		**Compression Reducing Couplings For Steel Pipe** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0130	EA	3/4" x 1/2" Compression Reducing Coupling	87.42	
33 01 30 51-0131	EA	1" x 3/4" Compression Reducing Coupling	91.81	
33 01 30 51-0132	EA	1-1/4" x 3/4" Compression Reducing Coupling	103.42	
33 01 30 51-0133	EA	1-1/4" x 1" Compression Reducing Coupling	107.80	
33 01 30 51-0134	EA	1-1/2" x 3/4" Compression Reducing Coupling	213.85	
33 01 30 51-0135	EA	1-1/2" x 1" Compression Reducing Coupling	129.12	
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Compression Reducing Coupling	129.74	
33 01 30 51-0137	EA	2" x 3/4" Compression Reducing Coupling	255.35	
33 01 30 51-0138	EA	2" x 1" Compression Reducing Coupling	231.01	
33 01 30 51-0139	EA	2" x 1-1/4" Compression Reducing Coupling	173.09	
33 01 30 51-0140	EA	2" x 1-1/2" Compression Reducing Coupling	172.45	
33 01 30 51-0141		**Steel Compression Repair Fittings, Elbows** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0142	EA	1" Compression 45 Degree Elbow	147.68	
33 01 30 51-0143	EA	1-1/4" Compression 45 Degree Elbow	153.07	
33 01 30 51-0144	EA	1-1/2" Compression 45 Degree Elbow	198.11	
33 01 30 51-0145	EA	2" Compression 45 Degree Elbow	250.80	
33 01 30 51-0146	EA	3/4" Compression 90 Degree Elbow	97.52	
33 01 30 51-0147	EA	1" Compression 90 Degree Elbow	100.26	
33 01 30 51-0148	EA	1-1/4" Compression 90 Degree Elbow	117.65	
33 01 30 51-0149	EA	1-1/2" Compression 90 Degree Elbow	169.39	
33 01 30 51-0150	EA	2" Compression 90 Degree Elbow	184.40	
33 01 30 51-0151	EA	3/4" Plain End Compression 90 Degree Street Elbow	97.85	
33 01 30 51-0152	EA	1" Plain End Compression 90 Degree Street Elbow	84.47	
33 01 30 51-0153	EA	1-1/4" Plain End Compression 90 Degree Street Elbow	95.32	
33 01 30 51-0154	EA	1-1/2" Plain End Compression 90 Degree Street Elbow	120.69	
33 01 30 51-0155	EA	2" Plain End Compression 90 Degree Street Elbow	156.85	
33 01 30 51-0156	EA	3/4" Threaded End Compression 90 Degree Street Elbow	101.28	
33 01 30 51-0157	EA	1" Threaded End Compression 90 Degree Street Elbow	90.90	
33 01 30 51-0158	EA	1-1/4" Threaded End Compression 90 Degree Street Elbow	119.18	
33 01 30 51-0159	EA	1-1/2" Threaded End Compression 90 Degree Street Elbow	143.46	
33 01 30 51-0160	EA	2" Threaded End Compression 90 Degree Street Elbow	205.55	
33 01 30 51-0161		**Steel Compression Repair Fittings, Tees** *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0162	EA	3/4" Compression Street Tee	104.87	
33 01 30 51-0163	EA	1" Compression Street Tee	123.53	
33 01 30 51-0164	EA	1-1/4" Compression Street Tee	123.46	
33 01 30 51-0165	EA	1-1/2" Compression Street Tee	141.41	
33 01 30 51-0166	EA	2" Compression Street Tee	218.63	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Compression Reducing Street Tee	122.22	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Compression Reducing Street Tee	128.44	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Compression Reducing Street Tee	160.90	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Compression Reducing Street Tee	189.00	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Compression Reducing Street Tee	190.24	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Compression Reducing Street Tee	158.25	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Compression Reducing Street Tee	212.56	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Compression Reducing Street Tee	243.78	
33 01 30 51-0175	EA	3/4" Welding Compression Street Tee	198.53	
33 01 30 51-0176	EA	1" Welding Compression Street Tee	197.67	
33 01 30 51-0177	EA	1-1/4" Welding Compression Street Tee	211.32	
33 01 30 51-0178	EA	1-1/2" Welding Compression Street Tee	253.79	
33 01 30 51-0179	EA	2" Welding Compression Street Tee	343.99	
33 01 30 51-0180	EA	3/4" Regular Compression Tee	144.05	
33 01 30 51-0181	EA	1" Regular Compression Tee	257.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0182	EA	1-1/4" Regular Compression Tee	270.64	
33 01 30 51-0183	EA	1-1/2" Regular Compression Tee	288.59	
33 01 30 51-0184	EA	2" Regular Compression Tee	318.70	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Compression Reducing Tee	313.70	
33 01 30 51-0186		Steel Compression Repair Fittings, Male Adapters *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0187	EA	3/4" Compression Male Adapter	97.23	
33 01 30 51-0188	EA	1" Compression Male Adapter	108.05	
33 01 30 51-0189	EA	1-1/4" Compression Male Adapter	141.99	
33 01 30 51-0190	EA	1-1/2" Compression Male Adapter	159.41	
33 01 30 51-0191	EA	2" Compression Male Adapter	179.17	
33 01 30 51-0192	EA	1" x 1-1/4" Compression Male Adapter	141.19	
33 01 30 51-0193		Steel Compression Repair Fittings, Line Caps *(33 01 30 51-0110)*		
		Note: Includes armored gaskets.		
33 01 30 51-0194	EA	3/4" Compression Line Caps	52.45	
33 01 30 51-0195	EA	1" Compression Line Caps	61.06	
33 01 30 51-0196	EA	1-1/4" Compression Line Caps	69.82	
33 01 30 51-0197	EA	1-1/2" Compression Line Caps	81.88	
33 01 30 51-0198	EA	2" Compression Line Caps	101.28	
33 01 30 51-0199		Couplings For Steel Pipe *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket. Dresser style 38		
33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket	77.32	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket	95.26	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket	108.89	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket	129.18	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket	159.76	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket	214.64	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket	200.98	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket	261.56	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket	269.82	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket	278.09	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket	301.58	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket	315.61	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket	333.19	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket	391.92	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket	397.46	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket	417.63	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket	416.50	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket	431.48	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket	450.62	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket	485.63	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket	507.78	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket	525.96	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket	600.95	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket	705.50	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket	683.24	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket	904.86	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket	1,048.31	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket	1,257.18	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket	1,383.98	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket	1,494.26	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket	1,881.40	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket	1,979.29	
33 01 30 51-0232		Couplings For Steel Pipe *(33 01 30 51-0079)*		
		Note: Includes Buna S gasket, protected. Dresser style 38.		
33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected	79.69	
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	94.93	
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected	108.75	
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	128.08	
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected	191.29	
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected	186.95	
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected	189.12	
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected	278.09	
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected	286.35	
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected	294.62	
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected	324.10	
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected	309.54	
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected	317.20	
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected	420.93	
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected	424.98	
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected	612.45	
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected	425.37	
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected	446.88	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected	455.18	
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected	533.71	
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected	541.87	
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected	555.03	
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected	620.78	
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected	726.16	
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected	703.91	
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected	925.07	
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,068.98	
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,288.17	
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,425.31	
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,535.59	
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected	1,922.72	
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected	2,020.61	

33 01 30 51-0265 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected	94.38	
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	109.89	
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected	126.29	
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	150.87	
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected	191.29	
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected	228.19	
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected	240.46	
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected	278.09	
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected	286.35	
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected	294.62	
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected	324.10	
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected	353.57	
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected	364.76	
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected	420.93	
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected	424.98	
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected	472.30	
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected	425.37	
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected	446.88	
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected	455.18	
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected	533.71	
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected	541.87	
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected	555.03	
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected	620.78	
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected	726.16	
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected	703.91	
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected	925.07	
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,068.98	
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,257.18	
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,425.31	
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,535.59	
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected	1,922.72	
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected	2,020.61	

33 01 30 51-0298 Couplings For Steel Pipe *(33 01 30 51-0079)*

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	161.73	
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	173.69	
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	179.78	
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	278.69	
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	301.29	
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	312.80	
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	357.74	
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	355.14	
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	394.89	
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	406.09	
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	553.29	
33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	568.15	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	587.09	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	596.94	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket	604.60	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	752.47	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	812.78	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	826.55	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	826.35	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket	1,055.85	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,101.27	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,276.50	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,608.06	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,565.80	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,748.40	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	1,895.86	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket	2,061.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0326		**Grind Offset Joint** *(33 01 30 51-0001)*		
33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint	502.98	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint	670.63	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint	838.29	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint	1,005.94	
33 01 30 51-0331		**Pipe Plugging** *(33 01 30 51-0001)*		
33 01 30 51-0332		**Gravity Bladder Type, Temporary Pipe Plugging** *(33 01 30 51-0331)*		
		Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.		
33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug	86.59	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug	92.62	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug	99.72	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug	106.40	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug	112.86	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug	119.96	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug	128.71	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug	141.50	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug	153.40	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug	171.23	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug	190.02	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug	220.30	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug	255.82	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug	304.82	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug	367.39	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug	442.52	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug	525.95	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug	606.61	
33 01 30 51-0351		**Hydra Stop, Hot Tapping Of Pressure Pipe** *(33 01 30 51-0331)*		
		Note: Includes flanged or threaded lateral outlet, cutting and tapping pipe, insertion of expandable bladder device into pipe, expanding to block flow, and removal of bladder/cutting device.		
33 01 30 51-0352	EA	2" Hydra Stop, Line Stopper	2,959.35	
33 01 30 51-0353	EA	2-1/2" Hydra Stop, Line Stopper	3,713.33	
33 01 30 51-0354	EA	3" Hydra Stop, Line Stopper	4,552.20	
33 01 30 51-0355	EA	4" Hydra Stop, Line Stopper	5,494.27	
33 01 30 51-0356	EA	5" Hydra Stop, Line Stopper	6,195.83	
33 01 30 51-0357	EA	6" Hydra Stop, Line Stopper	7,316.00	
33 01 30 51-0358	EA	8" Hydra Stop, Line Stopper	8,017.58	
33 01 30 51-0359	EA	10" Hydra Stop, Line Stopper	9,137.71	
33 01 30 51-0360	EA	12" Hydra Stop, Line Stopper	10,257.90	
33 01 30 51-0361	EA	14" Hydra Stop, Line Stopper	11,448.79	
33 01 30 51-0362	EA	16" Hydra Stop, Line Stopper	13,064.18	
33 01 30 51-0363	EA	18" Hydra Stop, Line Stopper	14,891.73	
33 01 30 51-0364	EA	20" Hydra Stop, Line Stopper	17,709.53	
33 01 30 51-0365		**Aluminum Expansion Plugs** *(33 01 30 51-0331)*		
		Note: For use with PVC, clay Or cast iron drainage pipe.		
33 01 30 51-0366	EA	3" Pipe Aluminum Expansion Plug	82.15	
33 01 30 51-0367	EA	4" Pipe Aluminum Expansion Plug	118.67	
33 01 30 51-0368	EA	5" Pipe Aluminum Expansion Plug	133.79	
33 01 30 51-0369	EA	6" Pipe Aluminum Expansion Plug	203.81	
33 01 30 51-0370	EA	8" Pipe Aluminum Expansion Plug	209.39	
33 01 30 51-0371	EA	10" Pipe Aluminum Expansion Plug	262.21	
33 01 30 51-0372	EA	12" Pipe Aluminum Expansion Plug	355.10	
33 01 30 51-0373	EA	14" Pipe Aluminum Expansion Plug	574.49	
33 01 30 51-0374	EA	15" Pipe Aluminum Expansion Plug	622.29	
33 01 30 51-0375		**Pipe Repair Clamp, Stainless Steel, 3" Long** *(33 01 30 51-0001)*		
33 01 30 51-0376	EA	1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	181.92	
33 01 30 51-0377	EA	3/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	182.51	
33 01 30 51-0378	EA	1" Diameter Pipe Clamp, Stainless Steel, 3" Long	184.00	
33 01 30 51-0379	EA	1-1/4" Diameter Pipe Clamp, Stainless Steel, 3" Long	185.49	
33 01 30 51-0380	EA	1-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	186.23	
33 01 30 51-0381	EA	2" Diameter Pipe Clamp, Stainless Steel, 3" Long	188.46	
33 01 30 51-0382	EA	2-1/2" Diameter Pipe Clamp, Stainless Steel, 3" Long	190.69	
33 01 30 51-0383	EA	3" Diameter Pipe Clamp, Stainless Steel, 3" Long	193.67	
33 01 30 51-0384	EA	4" Diameter Pipe Clamp, Stainless Steel, 3" Long	334.06	
33 01 30 51-0385	EA	6" Diameter Pipe Clamp, Stainless Steel, 3" Long	343.73	
33 01 30 51-0386	EA	8" Diameter Pipe Clamp, Stainless Steel, 3" Long	350.43	
33 01 30 51-0387	EA	10" Diameter Pipe Clamp, Stainless Steel, 3" Long	421.08	
33 01 30 51-0388	EA	12" Diameter Pipe Clamp, Stainless Steel, 3" Long	430.00	
33 01 30 51-0389	EA	14" Diameter Pipe Clamp, Stainless Steel, 3" Long	435.95	
33 01 30 51-0390	EA	16" Diameter Pipe Clamp, Stainless Steel, 3" Long	444.88	
33 01 30 51-0391	EA	18" Diameter Pipe Clamp, Stainless Steel, 3" Long	453.80	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0392	EA	20" Diameter Pipe Clamp, Stainless Steel, 3" Long	465.70	
33 01 30 51-0393	EA	24" Diameter Pipe Clamp, Stainless Steel, 3" Long	486.53	
33 01 30 51-0394		PolySeal Pipe Coupler *(33 01 30 51-0001)*		
33 01 30 51-0395	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	371.14	
33 01 30 51-0396	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	419.04	
33 01 30 63		**Sewer and Pipe Joint Sealing** *(33 01 30)*		
33 01 30 63-0001		Joint Air Test *(33 01 30 63)*		
33 01 30 63-0002	EA	4" To 8", Joint Air Test	116.53	
33 01 30 63-0003	EA	10" To 15", Joint Air Test	135.95	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test	155.37	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test	194.22	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test	233.06	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test	271.91	
33 01 30 63-0008		Joint Seal And Joint Air Retest *(33 01 30 63)* Note: Includes grout.		
33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest Note: Includes up to 1 gallon of grout.	348.89	
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest Note: Includes 1 gallon of grout.	387.73	
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest Note: Includes 2 gallons of grout.	464.73	
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest Note: Includes 2.5 gallons of grout.	522.65	
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest Note: Includes 3 gallons of grout.	580.56	
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest Note: Includes 3.75 gallons of grout.	686.86	
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest Note: Includes 4.5 gallons of grout.	793.16	
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest Note: Includes 5.25 gallons of grout.	899.46	
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest Note: Includes 6 gallons of grout.	1,044.60	
33 01 30 63-0018	EA	27" Joint Seal And Joint Air Retest Note: Includes 6.75 gallons of grout.	1,189.73	
33 01 30 63-0019	EA	30" Joint Seal And Joint Air Retest Note: Includes 7.5 gallons of grout.	1,373.71	
33 01 30 63-0020	EA	36" Joint Seal And Joint Air Retest Note: Includes 9 gallons of grout.	1,586.31	
33 01 30 63-0021	GAL	Extra Grout Per Joint Note: For extra grout per joint required over listed amount.	193.51	
33 01 30 70		**Rehabilitation of Sewer Utilities** *(33 01 30)*		
33 01 30 70-0001		Cementitious Pipe Coatings By Hand *(33 01 30 70)* Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 70-0002	SF	Up To 1" Thick Cementitious Coating On Pipe, Troweled On	10.73	
33 01 30 70-0003	SF	>1" To 2" Thick Cementitious Coating On Pipe, Troweled On	16.22	
33 01 30 71		**Relining Sewers** *(33 01 30)*		
33 01 30 71-0001		Relining Underground Pipelines *(33 01 30 71)* Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		Lining Pipe With Rib Loc *(33 01 30 71-0001)*		
33 01 30 71-0003	LF	Lining 6" Pipe With Rib Loc	52.56	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000 To 2,000, Deduct	*-2.59*	
		For >2,000 To 5,000, Deduct	*-3.99*	
		For >5,000, Deduct	*-5.95*	
33 01 30 71-0004	LF	Lining 8" Pipe With Rib Loc	58.49	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000 To 2,000, Deduct	*-2.87*	
		For >2,000 To 5,000, Deduct	*-4.41*	
		For >5,000, Deduct	*-6.60*	
33 01 30 71-0005	LF	Lining 10" Pipe With Rib Loc	81.31	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000 To 2,000, Deduct	*-3.83*	
		For >2,000 To 5,000, Deduct	*-5.86*	
		For >5,000, Deduct	*-8.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0006	LF	Lining 12" Pipe With Rib Loc	103.70	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-4.78*	
		For >2,000 To 5,000, Deduct	*-7.31*	
		For >5,000, Deduct	*-11.27*	
33 01 30 71-0007	LF	Lining 15" Pipe With Rib Loc	138.28	
		For >500 To 1,000, Deduct	*-3.18*	
		For >1,000 To 2,000, Deduct	*-6.25*	
		For >2,000 To 5,000, Deduct	*-9.53*	
		For >5,000, Deduct	*-14.85*	
33 01 30 71-0008	LF	Lining 18" Pipe With Rib Loc	178.61	
		For >500 To 1,000, Deduct	*-4.04*	
		For >1,000 To 2,000, Deduct	*-7.96*	
		For >2,000 To 5,000, Deduct	*-12.11*	
		For >5,000, Deduct	*-19.02*	
33 01 30 71-0009	LF	Lining 21" Pipe With Rib Loc	224.59	
		For >500 To 1,000, Deduct	*-4.99*	
		For >1,000 To 2,000, Deduct	*-9.86*	
		For >2,000 To 5,000, Deduct	*-14.98*	
		For >5,000, Deduct	*-23.71*	
33 01 30 71-0010	LF	Lining 24" Pipe With Rib Loc	278.16	
		For >500 To 1,000, Deduct	*-6.11*	
		For >1,000 To 2,000, Deduct	*-12.08*	
		For >2,000 To 5,000, Deduct	*-18.33*	
		For >5,000, Deduct	*-29.18*	
33 01 30 71-0011	LF	Lining 27" Pipe With Rib Loc	333.42	
		For >500 To 1,000, Deduct	*-7.27*	
		For >1,000 To 2,000, Deduct	*-14.39*	
		For >2,000 To 5,000, Deduct	*-21.81*	
		For >5,000, Deduct	*-34.85*	
33 01 30 71-0012	LF	Lining 30" Pipe With Rib Loc	395.72	
		For >500 To 1,000, Deduct	*-8.58*	
		For >1,000 To 2,000, Deduct	*-17.00*	
		For >2,000 To 5,000, Deduct	*-25.75*	
		For >5,000, Deduct	*-41.25*	
33 01 30 71-0013	LF	Lining 36" Pipe With Rib Loc	504.96	
		For >500 To 1,000, Deduct	*-10.85*	
		For >1,000 To 2,000, Deduct	*-21.52*	
		For >2,000 To 5,000, Deduct	*-32.56*	
		For >5,000, Deduct	*-52.38*	
33 01 30 71-0014	LF	Lining 42" Pipe With Rib Loc	629.13	
		For >500 To 1,000, Deduct	*-13.44*	
		For >1,000 To 2,000, Deduct	*-26.67*	
		For >2,000 To 5,000, Deduct	*-40.33*	
		For >5,000, Deduct	*-65.06*	
33 01 30 71-0015	LF	Lining 48" Pipe With Rib Loc	770.25	
		For >500 To 1,000, Deduct	*-16.41*	
		For >1,000 To 2,000, Deduct	*-32.57*	
		For >2,000 To 5,000, Deduct	*-49.23*	
		For >5,000, Deduct	*-79.53*	
33 01 30 71-0016	LF	Lining 54" Pipe With Rib Loc	910.80	
		For >500 To 1,000, Deduct	*-19.42*	
		For >1,000 To 2,000, Deduct	*-38.54*	
		For >2,000 To 5,000, Deduct	*-58.26*	
		For >5,000, Deduct	*-94.09*	
33 01 30 71-0017	LF	Lining 60" Pipe With Rib Loc	1,074.48	
		For >500 To 1,000, Deduct	*-23.13*	
		For >1,000 To 2,000, Deduct	*-45.85*	
		For >2,000 To 5,000, Deduct	*-69.40*	
		For >5,000, Deduct	*-111.55*	
33 01 30 71-0018	LF	Lining 66" Pipe With Rib Loc	1,275.22	
		For >500 To 1,000, Deduct	*-28.09*	
		For >1,000 To 2,000, Deduct	*-55.53*	
		For >2,000 To 5,000, Deduct	*-84.26*	
		For >5,000, Deduct	*-133.98*	
33 01 30 71-0019	LF	Lining 72" Pipe With Rib Loc	1,538.72	
		For >500 To 1,000, Deduct	*-35.29*	
		For >1,000 To 2,000, Deduct	*-69.45*	
		For >2,000 To 5,000, Deduct	*-105.87*	
		For >5,000, Deduct	*-165.17*	

33 01 30 71-0020 Lining Pipe, Spray Applied With Structural Polyurethane *(33 01 30 71-0001)*
Note: Two part structural polyurethane.

33 01 30 71-0021 Mobilization And Set-up For Spray Applied Structural Polyurethane Lining *(33 01 30 71-0020)*

33 01 30 71-0022	EA	Initial Set-up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	1,998.98

33 01 30 71-0023 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane *(33 01 30 71-0020)*
Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0024	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	63.08	
		For Up To 75, Add	*13.69*	
		For >75 To 150, Add	*6.31*	
		For >500 To 1,000, Deduct	*-1.69*	
		For >1,000 To 2,000, Deduct	*-3.28*	
		For >2,000 To 5,000, Deduct	*-5.08*	
		For >5,000, Deduct	*-7.39*	
33 01 30 71-0025	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	73.59	
		For Up To 75, Add	*15.98*	
		For >75 To 150, Add	*7.36*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000 To 2,000, Deduct	*-3.82*	
		For >2,000 To 5,000, Deduct	*-5.92*	
		For >5,000, Deduct	*-8.62*	
33 01 30 71-0026	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	84.12	
		For Up To 75, Add	*18.26*	
		For >75 To 150, Add	*8.41*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000 To 2,000, Deduct	*-4.37*	
		For >2,000 To 5,000, Deduct	*-6.77*	
		For >5,000, Deduct	*-9.85*	
33 01 30 71-0027	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	94.63	
		For Up To 75, Add	*20.54*	
		For >75 To 150, Add	*9.46*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000 To 2,000, Deduct	*-4.92*	
		For >2,000 To 5,000, Deduct	*-7.62*	
		For >5,000, Deduct	*-11.08*	
33 01 30 71-0028	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	105.14	
		For Up To 75, Add	*22.83*	
		For >75 To 150, Add	*10.51*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000 To 2,000, Deduct	*-5.46*	
		For >2,000 To 5,000, Deduct	*-8.46*	
		For >5,000, Deduct	*-12.31*	
33 01 30 71-0029	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	115.65	
		For Up To 75, Add	*25.11*	
		For >75 To 150, Add	*11.57*	
		For >500 To 1,000, Deduct	*-3.10*	
		For >1,000 To 2,000, Deduct	*-6.01*	
		For >2,000 To 5,000, Deduct	*-9.31*	
		For >5,000, Deduct	*-13.54*	
33 01 30 71-0030	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	126.16	
		For Up To 75, Add	*27.39*	
		For >75 To 150, Add	*12.62*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000 To 2,000, Deduct	*-6.56*	
		For >2,000 To 5,000, Deduct	*-10.16*	
		For >5,000, Deduct	*-14.77*	
33 01 30 71-0031	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	136.68	
		For Up To 75, Add	*29.67*	
		For >75 To 150, Add	*13.67*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000 To 2,000, Deduct	*-7.10*	
		For >2,000 To 5,000, Deduct	*-11.00*	
		For >5,000, Deduct	*-16.00*	
33 01 30 71-0032	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	147.20	
		For Up To 75, Add	*31.96*	
		For >75 To 150, Add	*14.72*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000 To 2,000, Deduct	*-7.65*	
		For >2,000 To 5,000, Deduct	*-11.85*	
		For >5,000, Deduct	*-17.24*	
33 01 30 71-0033	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	157.70	
		For Up To 75, Add	*34.24*	
		For >75 To 150, Add	*15.77*	
		For >500 To 1,000, Deduct	*-4.23*	
		For >1,000 To 2,000, Deduct	*-8.19*	
		For >2,000 To 5,000, Deduct	*-12.70*	
		For >5,000, Deduct	*-18.47*	
33 01 30 71-0034	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	168.22	
		For Up To 75, Add	*36.52*	
		For >75 To 150, Add	*16.82*	
		For >500 To 1,000, Deduct	*-4.51*	
		For >1,000 To 2,000, Deduct	*-8.74*	
		For >2,000 To 5,000, Deduct	*-13.54*	
		For >5,000, Deduct	*-19.70*	
33 01 30 71-0035	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	178.73	
		For Up To 75, Add	*38.80*	
		For >75 To 150, Add	*17.87*	
		For >500 To 1,000, Deduct	*-4.80*	
		For >1,000 To 2,000, Deduct	*-9.29*	
		For >2,000 To 5,000, Deduct	*-14.39*	
		For >5,000, Deduct	*-20.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0036	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	189.25	
		For Up To 75, Add	*41.08*	
		For >75 To 150, Add	*18.93*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000 To 2,000, Deduct	*-9.83*	
		For >2,000 To 5,000, Deduct	*-15.24*	
		For >5,000, Deduct	*-22.16*	
33 01 30 71-0037	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	199.77	
		For Up To 75, Add	*43.37*	
		For >75 To 150, Add	*19.98*	
		For >500 To 1,000, Deduct	*-5.36*	
		For >1,000 To 2,000, Deduct	*-10.38*	
		For >2,000 To 5,000, Deduct	*-16.08*	
		For >5,000, Deduct	*-23.39*	
33 01 30 71-0038	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	210.27	
		For Up To 75, Add	*45.65*	
		For >75 To 150, Add	*21.03*	
		For >500 To 1,000, Deduct	*-5.64*	
		For >1,000 To 2,000, Deduct	*-10.93*	
		For >2,000 To 5,000, Deduct	*-16.93*	
		For >5,000, Deduct	*-24.62*	
33 01 30 71-0039	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.70	

33 01 30 71-0040 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0041	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	85.02	
		For Up To 75, Add	*18.14*	
		For >75 To 150, Add	*8.50*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000 To 2,000, Deduct	*-4.20*	
		For >2,000 To 5,000, Deduct	*-6.46*	
		For >5,000, Deduct	*-9.64*	
33 01 30 71-0042	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	99.17	
		For Up To 75, Add	*21.16*	
		For >75 To 150, Add	*9.92*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000 To 2,000, Deduct	*-4.89*	
		For >2,000 To 5,000, Deduct	*-7.54*	
		For >5,000, Deduct	*-11.24*	
33 01 30 71-0043	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	113.35	
		For Up To 75, Add	*24.18*	
		For >75 To 150, Add	*11.34*	
		For >500 To 1,000, Deduct	*-2.87*	
		For >1,000 To 2,000, Deduct	*-5.59*	
		For >2,000 To 5,000, Deduct	*-8.62*	
		For >5,000, Deduct	*-12.85*	
33 01 30 71-0044	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	127.52	
		For Up To 75, Add	*27.21*	
		For >75 To 150, Add	*12.75*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000 To 2,000, Deduct	*-6.29*	
		For >2,000 To 5,000, Deduct	*-9.69*	
		For >5,000, Deduct	*-14.45*	
33 01 30 71-0045	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	141.70	
		For Up To 75, Add	*30.23*	
		For >75 To 150, Add	*14.17*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-6.99*	
		For >2,000 To 5,000, Deduct	*-10.77*	
		For >5,000, Deduct	*-16.06*	
33 01 30 71-0046	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	155.86	
		For Up To 75, Add	*33.25*	
		For >75 To 150, Add	*15.59*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000 To 2,000, Deduct	*-7.69*	
		For >2,000 To 5,000, Deduct	*-11.85*	
		For >5,000, Deduct	*-17.67*	
33 01 30 71-0047	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	170.03	
		For Up To 75, Add	*36.28*	
		For >75 To 150, Add	*17.00*	
		For >500 To 1,000, Deduct	*-4.31*	
		For >1,000 To 2,000, Deduct	*-8.39*	
		For >2,000 To 5,000, Deduct	*-12.93*	
		For >5,000, Deduct	*-19.27*	
33 01 30 71-0048	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	184.20	
		For Up To 75, Add	*39.30*	
		For >75 To 150, Add	*18.42*	
		For >500 To 1,000, Deduct	*-4.67*	
		For >1,000 To 2,000, Deduct	*-9.09*	
		For >2,000 To 5,000, Deduct	*-14.00*	
		For >5,000, Deduct	*-20.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0049	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	198.38	
		For Up To 75, Add	*42.32*	
		For >75 To 150, Add	*19.84*	
		For >500 To 1,000, Deduct	*-5.03*	
		For >1,000 To 2,000, Deduct	*-9.79*	
		For >2,000 To 5,000, Deduct	*-15.08*	
		For >5,000, Deduct	*-22.49*	
33 01 30 71-0050	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	212.53	
		For Up To 75, Add	*45.34*	
		For >75 To 150, Add	*21.25*	
		For >500 To 1,000, Deduct	*-5.39*	
		For >1,000 To 2,000, Deduct	*-10.49*	
		For >2,000 To 5,000, Deduct	*-16.16*	
		For >5,000, Deduct	*-24.09*	
33 01 30 71-0051	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	226.71	
		For Up To 75, Add	*48.37*	
		For >75 To 150, Add	*22.67*	
		For >500 To 1,000, Deduct	*-5.74*	
		For >1,000 To 2,000, Deduct	*-11.19*	
		For >2,000 To 5,000, Deduct	*-17.23*	
		For >5,000, Deduct	*-25.70*	
33 01 30 71-0052	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	240.88	
		For Up To 75, Add	*51.39*	
		For >75 To 150, Add	*24.09*	
		For >500 To 1,000, Deduct	*-6.10*	
		For >1,000 To 2,000, Deduct	*-11.89*	
		For >2,000 To 5,000, Deduct	*-18.31*	
		For >5,000, Deduct	*-27.30*	
33 01 30 71-0053	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	255.05	
		For Up To 75, Add	*54.42*	
		For >75 To 150, Add	*25.51*	
		For >500 To 1,000, Deduct	*-6.46*	
		For >1,000 To 2,000, Deduct	*-12.59*	
		For >2,000 To 5,000, Deduct	*-19.39*	
		For >5,000, Deduct	*-28.91*	
33 01 30 71-0054	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	269.21	
		For Up To 75, Add	*57.44*	
		For >75 To 150, Add	*26.92*	
		For >500 To 1,000, Deduct	*-6.82*	
		For >1,000 To 2,000, Deduct	*-13.28*	
		For >2,000 To 5,000, Deduct	*-20.46*	
		For >5,000, Deduct	*-30.51*	
33 01 30 71-0055	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	283.38	
		For Up To 75, Add	*60.46*	
		For >75 To 150, Add	*28.34*	
		For >500 To 1,000, Deduct	*-7.18*	
		For >1,000 To 2,000, Deduct	*-13.98*	
		For >2,000 To 5,000, Deduct	*-21.54*	
		For >5,000, Deduct	*-32.12*	
33 01 30 71-0056	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	9.02	

33 01 30 71-0057 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0058	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	106.93	
		For Up To 75, Add	*22.58*	
		For >75 To 150, Add	*10.69*	
		For >500 To 1,000, Deduct	*-2.62*	
		For >1,000 To 2,000, Deduct	*-5.11*	
		For >2,000 To 5,000, Deduct	*-7.85*	
		For >5,000, Deduct	*-11.89*	
33 01 30 71-0059	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	124.76	
		For Up To 75, Add	*26.35*	
		For >75 To 150, Add	*12.48*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000 To 2,000, Deduct	*-5.97*	
		For >2,000 To 5,000, Deduct	*-9.16*	
		For >5,000, Deduct	*-13.87*	
33 01 30 71-0060	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	142.58	
		For Up To 75, Add	*30.11*	
		For >75 To 150, Add	*14.26*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000 To 2,000, Deduct	*-6.82*	
		For >2,000 To 5,000, Deduct	*-10.47*	
		For >5,000, Deduct	*-15.85*	
33 01 30 71-0061	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	160.41	
		For Up To 75, Add	*33.87*	
		For >75 To 150, Add	*16.04*	
		For >500 To 1,000, Deduct	*-3.93*	
		For >1,000 To 2,000, Deduct	*-7.67*	
		For >2,000 To 5,000, Deduct	*-11.78*	
		For >5,000, Deduct	*-17.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0062	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	178.21	
		For Up To 75, Add	*37.63*	
		For >75 To 150, Add	*17.82*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000 To 2,000, Deduct	*-8.52*	
		For >2,000 To 5,000, Deduct	*-13.08*	
		For >5,000, Deduct	*-19.81*	
33 01 30 71-0063	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	196.03	
		For Up To 75, Add	*41.40*	
		For >75 To 150, Add	*19.60*	
		For >500 To 1,000, Deduct	*-4.80*	
		For >1,000 To 2,000, Deduct	*-9.37*	
		For >2,000 To 5,000, Deduct	*-14.39*	
		For >5,000, Deduct	*-21.79*	
33 01 30 71-0064	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	213.86	
		For Up To 75, Add	*45.16*	
		For >75 To 150, Add	*21.39*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000 To 2,000, Deduct	*-10.23*	
		For >2,000 To 5,000, Deduct	*-15.70*	
		For >5,000, Deduct	*-23.78*	
33 01 30 71-0065	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	231.68	
		For Up To 75, Add	*48.92*	
		For >75 To 150, Add	*23.17*	
		For >500 To 1,000, Deduct	*-5.67*	
		For >1,000 To 2,000, Deduct	*-11.08*	
		For >2,000 To 5,000, Deduct	*-17.01*	
		For >5,000, Deduct	*-25.76*	
33 01 30 71-0066	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	249.50	
		For Up To 75, Add	*52.69*	
		For >75 To 150, Add	*24.95*	
		For >500 To 1,000, Deduct	*-6.11*	
		For >1,000 To 2,000, Deduct	*-11.93*	
		For >2,000 To 5,000, Deduct	*-18.32*	
		For >5,000, Deduct	*-27.74*	
33 01 30 71-0067	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	267.32	
		For Up To 75, Add	*56.45*	
		For >75 To 150, Add	*26.73*	
		For >500 To 1,000, Deduct	*-6.54*	
		For >1,000 To 2,000, Deduct	*-12.78*	
		For >2,000 To 5,000, Deduct	*-19.62*	
		For >5,000, Deduct	*-29.72*	
33 01 30 71-0068	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	285.15	
		For Up To 75, Add	*60.22*	
		For >75 To 150, Add	*28.52*	
		For >500 To 1,000, Deduct	*-6.98*	
		For >1,000 To 2,000, Deduct	*-13.64*	
		For >2,000 To 5,000, Deduct	*-20.93*	
		For >5,000, Deduct	*-31.70*	
33 01 30 71-0069	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	302.96	
		For Up To 75, Add	*63.98*	
		For >75 To 150, Add	*30.30*	
		For >500 To 1,000, Deduct	*-7.41*	
		For >1,000 To 2,000, Deduct	*-14.49*	
		For >2,000 To 5,000, Deduct	*-22.24*	
		For >5,000, Deduct	*-33.68*	
33 01 30 71-0070	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	320.78	
		For Up To 75, Add	*67.74*	
		For >75 To 150, Add	*32.08*	
		For >500 To 1,000, Deduct	*-7.85*	
		For >1,000 To 2,000, Deduct	*-15.34*	
		For >2,000 To 5,000, Deduct	*-23.55*	
		For >5,000, Deduct	*-35.66*	
33 01 30 71-0071	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	338.61	
		For Up To 75, Add	*71.51*	
		For >75 To 150, Add	*33.86*	
		For >500 To 1,000, Deduct	*-8.29*	
		For >1,000 To 2,000, Deduct	*-16.19*	
		For >2,000 To 5,000, Deduct	*-24.86*	
		For >5,000, Deduct	*-37.64*	
33 01 30 71-0072	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	356.43	
		For Up To 75, Add	*75.27*	
		For >75 To 150, Add	*35.64*	
		For >500 To 1,000, Deduct	*-8.72*	
		For >1,000 To 2,000, Deduct	*-17.04*	
		For >2,000 To 5,000, Deduct	*-26.16*	
		For >5,000, Deduct	*-39.63*	
33 01 30 71-0073	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.34	

33 01 30 71-0074 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0075	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	128.94	
		For Up To 75, Add	*27.05*	
		For >75 To 150, Add	*12.89*	
		For >500 To 1,000, Deduct	*-3.08*	
		For >1,000 To 2,000, Deduct	*-6.04*	
		For >2,000 To 5,000, Deduct	*-9.24*	
		For >5,000, Deduct	*-14.15*	
33 01 30 71-0076	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	150.44	
		For Up To 75, Add	*31.56*	
		For >75 To 150, Add	*15.04*	
		For >500 To 1,000, Deduct	*-3.60*	
		For >1,000 To 2,000, Deduct	*-7.04*	
		For >2,000 To 5,000, Deduct	*-10.79*	
		For >5,000, Deduct	*-16.51*	
33 01 30 71-0077	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	171.93	
		For Up To 75, Add	*36.06*	
		For >75 To 150, Add	*17.19*	
		For >500 To 1,000, Deduct	*-4.11*	
		For >1,000 To 2,000, Deduct	*-8.05*	
		For >2,000 To 5,000, Deduct	*-12.33*	
		For >5,000, Deduct	*-18.87*	
33 01 30 71-0078	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	193.42	
		For Up To 75, Add	*40.57*	
		For >75 To 150, Add	*19.34*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000 To 2,000, Deduct	*-9.06*	
		For >2,000 To 5,000, Deduct	*-13.87*	
		For >5,000, Deduct	*-21.23*	
33 01 30 71-0079	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	214.92	
		For Up To 75, Add	*45.08*	
		For >75 To 150, Add	*21.49*	
		For >500 To 1,000, Deduct	*-5.14*	
		For >1,000 To 2,000, Deduct	*-10.06*	
		For >2,000 To 5,000, Deduct	*-15.41*	
		For >5,000, Deduct	*-23.59*	
33 01 30 71-0080	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	236.40	
		For Up To 75, Add	*49.59*	
		For >75 To 150, Add	*23.64*	
		For >500 To 1,000, Deduct	*-5.65*	
		For >1,000 To 2,000, Deduct	*-11.07*	
		For >2,000 To 5,000, Deduct	*-16.95*	
		For >5,000, Deduct	*-25.95*	
33 01 30 71-0081	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	257.90	
		For Up To 75, Add	*54.10*	
		For >75 To 150, Add	*25.79*	
		For >500 To 1,000, Deduct	*-6.16*	
		For >1,000 To 2,000, Deduct	*-12.08*	
		For >2,000 To 5,000, Deduct	*-18.49*	
		For >5,000, Deduct	*-28.31*	
33 01 30 71-0082	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	279.39	
		For Up To 75, Add	*58.60*	
		For >75 To 150, Add	*27.94*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000 To 2,000, Deduct	*-13.08*	
		For >2,000 To 5,000, Deduct	*-20.03*	
		For >5,000, Deduct	*-30.66*	
33 01 30 71-0083	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	300.87	
		For Up To 75, Add	*63.11*	
		For >75 To 150, Add	*30.09*	
		For >500 To 1,000, Deduct	*-7.19*	
		For >1,000 To 2,000, Deduct	*-14.09*	
		For >2,000 To 5,000, Deduct	*-21.57*	
		For >5,000, Deduct	*-33.02*	
33 01 30 71-0084	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	322.36	
		For Up To 75, Add	*67.62*	
		For >75 To 150, Add	*32.24*	
		For >500 To 1,000, Deduct	*-7.70*	
		For >1,000 To 2,000, Deduct	*-15.09*	
		For >2,000 To 5,000, Deduct	*-23.11*	
		For >5,000, Deduct	*-35.38*	
33 01 30 71-0085	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	343.85	
		For Up To 75, Add	*72.12*	
		For >75 To 150, Add	*34.39*	
		For >500 To 1,000, Deduct	*-8.22*	
		For >1,000 To 2,000, Deduct	*-16.10*	
		For >2,000 To 5,000, Deduct	*-24.65*	
		For >5,000, Deduct	*-37.74*	
33 01 30 71-0086	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	365.34	
		For Up To 75, Add	*76.63*	
		For >75 To 150, Add	*36.53*	
		For >500 To 1,000, Deduct	*-8.73*	
		For >1,000 To 2,000, Deduct	*-17.11*	
		For >2,000 To 5,000, Deduct	*-26.20*	
		For >5,000, Deduct	*-40.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0087	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	386.84	
		For Up To 75, Add	*81.14*	
		For >75 To 150, Add	*38.68*	
		For >500 To 1,000, Deduct	*-9.25*	
		For >1,000 To 2,000, Deduct	*-18.11*	
		For >2,000 To 5,000, Deduct	*-27.74*	
		For >5,000, Deduct	*-42.46*	
33 01 30 71-0088	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	408.33	
		For Up To 75, Add	*85.65*	
		For >75 To 150, Add	*40.83*	
		For >500 To 1,000, Deduct	*-9.76*	
		For >1,000 To 2,000, Deduct	*-19.12*	
		For >2,000 To 5,000, Deduct	*-29.28*	
		For >5,000, Deduct	*-44.82*	
33 01 30 71-0089	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	429.83	
		For Up To 75, Add	*90.16*	
		For >75 To 150, Add	*42.98*	
		For >500 To 1,000, Deduct	*-10.27*	
		For >1,000 To 2,000, Deduct	*-20.13*	
		For >2,000 To 5,000, Deduct	*-30.82*	
		For >5,000, Deduct	*-47.18*	
33 01 30 71-0090	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.68	

33 01 30 71-0091 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0092	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	151.10	
		For Up To 75, Add	*31.54*	
		For >75 To 150, Add	*15.11*	
		For >500 To 1,000, Deduct	*-3.55*	
		For >1,000 To 2,000, Deduct	*-6.97*	
		For >2,000 To 5,000, Deduct	*-10.65*	
		For >5,000, Deduct	*-16.43*	
33 01 30 71-0093	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	176.29	
		For Up To 75, Add	*36.80*	
		For >75 To 150, Add	*17.63*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000 To 2,000, Deduct	*-8.13*	
		For >2,000 To 5,000, Deduct	*-12.43*	
		For >5,000, Deduct	*-19.17*	
33 01 30 71-0094	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	201.48	
		For Up To 75, Add	*42.06*	
		For >75 To 150, Add	*20.15*	
		For >500 To 1,000, Deduct	*-4.74*	
		For >1,000 To 2,000, Deduct	*-9.29*	
		For >2,000 To 5,000, Deduct	*-14.21*	
		For >5,000, Deduct	*-21.91*	
33 01 30 71-0095	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	226.66	
		For Up To 75, Add	*47.32*	
		For >75 To 150, Add	*22.67*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000 To 2,000, Deduct	*-10.46*	
		For >2,000 To 5,000, Deduct	*-15.98*	
		For >5,000, Deduct	*-24.65*	
33 01 30 71-0096	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	251.85	
		For Up To 75, Add	*52.58*	
		For >75 To 150, Add	*25.19*	
		For >500 To 1,000, Deduct	*-5.92*	
		For >1,000 To 2,000, Deduct	*-11.62*	
		For >2,000 To 5,000, Deduct	*-17.76*	
		For >5,000, Deduct	*-27.39*	
33 01 30 71-0097	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	277.04	
		For Up To 75, Add	*57.84*	
		For >75 To 150, Add	*27.70*	
		For >500 To 1,000, Deduct	*-6.51*	
		For >1,000 To 2,000, Deduct	*-12.78*	
		For >2,000 To 5,000, Deduct	*-19.53*	
		For >5,000, Deduct	*-30.13*	
33 01 30 71-0098	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	302.22	
		For Up To 75, Add	*63.09*	
		For >75 To 150, Add	*30.22*	
		For >500 To 1,000, Deduct	*-7.10*	
		For >1,000 To 2,000, Deduct	*-13.94*	
		For >2,000 To 5,000, Deduct	*-21.31*	
		For >5,000, Deduct	*-32.87*	
33 01 30 71-0099	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	327.41	
		For Up To 75, Add	*68.35*	
		For >75 To 150, Add	*32.74*	
		For >500 To 1,000, Deduct	*-7.70*	
		For >1,000 To 2,000, Deduct	*-15.10*	
		For >2,000 To 5,000, Deduct	*-23.09*	
		For >5,000, Deduct	*-35.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0100	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	352.57	
		For Up To 75, Add	*73.60*	
		For >75 To 150, Add	*35.26*	
		For >500 To 1,000, Deduct	*-8.29*	
		For >1,000 To 2,000, Deduct	*-16.26*	
		For >2,000 To 5,000, Deduct	*-24.86*	
		For >5,000, Deduct	*-38.35*	
33 01 30 71-0101	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	377.77	
		For Up To 75, Add	*78.86*	
		For >75 To 150, Add	*37.78*	
		For >500 To 1,000, Deduct	*-8.88*	
		For >1,000 To 2,000, Deduct	*-17.43*	
		For >2,000 To 5,000, Deduct	*-26.64*	
		For >5,000, Deduct	*-41.09*	
33 01 30 71-0102	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	402.95	
		For Up To 75, Add	*84.12*	
		For >75 To 150, Add	*40.30*	
		For >500 To 1,000, Deduct	*-9.47*	
		For >1,000 To 2,000, Deduct	*-18.59*	
		For >2,000 To 5,000, Deduct	*-28.41*	
		For >5,000, Deduct	*-43.82*	
33 01 30 71-0103	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	428.14	
		For Up To 75, Add	*89.38*	
		For >75 To 150, Add	*42.81*	
		For >500 To 1,000, Deduct	*-10.06*	
		For >1,000 To 2,000, Deduct	*-19.75*	
		For >2,000 To 5,000, Deduct	*-30.19*	
		For >5,000, Deduct	*-46.56*	
33 01 30 71-0104	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	453.32	
		For Up To 75, Add	*94.64*	
		For >75 To 150, Add	*45.33*	
		For >500 To 1,000, Deduct	*-10.65*	
		For >1,000 To 2,000, Deduct	*-20.91*	
		For >2,000 To 5,000, Deduct	*-31.96*	
		For >5,000, Deduct	*-49.30*	
33 01 30 71-0105	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	478.52	
		For Up To 75, Add	*99.90*	
		For >75 To 150, Add	*47.85*	
		For >500 To 1,000, Deduct	*-11.25*	
		For >1,000 To 2,000, Deduct	*-22.08*	
		For >2,000 To 5,000, Deduct	*-33.74*	
		For >5,000, Deduct	*-52.04*	
33 01 30 71-0106	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	503.70	
		For Up To 75, Add	*105.15*	
		For >75 To 150, Add	*50.37*	
		For >500 To 1,000, Deduct	*-11.84*	
		For >1,000 To 2,000, Deduct	*-23.24*	
		For >2,000 To 5,000, Deduct	*-35.52*	
		For >5,000, Deduct	*-54.78*	
33 01 30 71-0107	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	16.03	

33 01 30 71-0108 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0020)*

Note: Two part structural polyurethane.

33 01 30 71-0109	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	195.50	
		For Up To 75, Add	*40.57*	
		For >75 To 150, Add	*19.55*	
		For >500 To 1,000, Deduct	*-4.50*	
		For >1,000 To 2,000, Deduct	*-8.85*	
		For >2,000 To 5,000, Deduct	*-13.50*	
		For >5,000, Deduct	*-21.02*	
33 01 30 71-0110	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	228.08	
		For Up To 75, Add	*47.33*	
		For >75 To 150, Add	*22.81*	
		For >500 To 1,000, Deduct	*-5.25*	
		For >1,000 To 2,000, Deduct	*-10.32*	
		For >2,000 To 5,000, Deduct	*-15.74*	
		For >5,000, Deduct	*-24.52*	
33 01 30 71-0111	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	260.65	
		For Up To 75, Add	*54.09*	
		For >75 To 150, Add	*26.07*	
		For >500 To 1,000, Deduct	*-6.00*	
		For >1,000 To 2,000, Deduct	*-11.80*	
		For >2,000 To 5,000, Deduct	*-17.99*	
		For >5,000, Deduct	*-28.03*	
33 01 30 71-0112	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	293.24	
		For Up To 75, Add	*60.85*	
		For >75 To 150, Add	*29.32*	
		For >500 To 1,000, Deduct	*-6.75*	
		For >1,000 To 2,000, Deduct	*-13.27*	
		For >2,000 To 5,000, Deduct	*-20.24*	
		For >5,000, Deduct	*-31.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0113	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	325.82	
		For Up To 75, Add	*67.62*	
		For >75 To 150, Add	*32.58*	
		For >500 To 1,000, Deduct	*-7.50*	
		For >1,000 To 2,000, Deduct	*-14.75*	
		For >2,000 To 5,000, Deduct	*-22.49*	
		For >5,000, Deduct	*-35.03*	
33 01 30 71-0114	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	358.40	
		For Up To 75, Add	*74.38*	
		For >75 To 150, Add	*35.84*	
		For >500 To 1,000, Deduct	*-8.25*	
		For >1,000 To 2,000, Deduct	*-16.22*	
		For >2,000 To 5,000, Deduct	*-24.74*	
		For >5,000, Deduct	*-38.54*	
33 01 30 71-0115	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	390.98	
		For Up To 75, Add	*81.14*	
		For >75 To 150, Add	*39.10*	
		For >500 To 1,000, Deduct	*-9.00*	
		For >1,000 To 2,000, Deduct	*-17.70*	
		For >2,000 To 5,000, Deduct	*-26.99*	
		For >5,000, Deduct	*-42.04*	
33 01 30 71-0116	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	423.56	
		For Up To 75, Add	*87.90*	
		For >75 To 150, Add	*42.36*	
		For >500 To 1,000, Deduct	*-9.75*	
		For >1,000 To 2,000, Deduct	*-19.17*	
		For >2,000 To 5,000, Deduct	*-29.24*	
		For >5,000, Deduct	*-45.54*	
33 01 30 71-0117	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	456.14	
		For Up To 75, Add	*94.66*	
		For >75 To 150, Add	*45.61*	
		For >500 To 1,000, Deduct	*-10.50*	
		For >1,000 To 2,000, Deduct	*-20.65*	
		For >2,000 To 5,000, Deduct	*-31.49*	
		For >5,000, Deduct	*-49.05*	
33 01 30 71-0118	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	488.73	
		For Up To 75, Add	*101.42*	
		For >75 To 150, Add	*48.87*	
		For >500 To 1,000, Deduct	*-11.25*	
		For >1,000 To 2,000, Deduct	*-22.12*	
		For >2,000 To 5,000, Deduct	*-33.74*	
		For >5,000, Deduct	*-52.55*	
33 01 30 71-0119	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	521.31	
		For Up To 75, Add	*108.18*	
		For >75 To 150, Add	*52.13*	
		For >500 To 1,000, Deduct	*-12.00*	
		For >1,000 To 2,000, Deduct	*-23.60*	
		For >2,000 To 5,000, Deduct	*-35.99*	
		For >5,000, Deduct	*-56.05*	
33 01 30 71-0120	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	553.90	
		For Up To 75, Add	*114.95*	
		For >75 To 150, Add	*55.39*	
		For >500 To 1,000, Deduct	*-12.75*	
		For >1,000 To 2,000, Deduct	*-25.07*	
		For >2,000 To 5,000, Deduct	*-38.24*	
		For >5,000, Deduct	*-59.56*	
33 01 30 71-0121	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	586.48	
		For Up To 75, Add	*121.71*	
		For >75 To 150, Add	*58.65*	
		For >500 To 1,000, Deduct	*-13.49*	
		For >1,000 To 2,000, Deduct	*-26.55*	
		For >2,000 To 5,000, Deduct	*-40.48*	
		For >5,000, Deduct	*-63.06*	
33 01 30 71-0122	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	619.06	
		For Up To 75, Add	*128.47*	
		For >75 To 150, Add	*61.91*	
		For >500 To 1,000, Deduct	*-14.24*	
		For >1,000 To 2,000, Deduct	*-28.02*	
		For >2,000 To 5,000, Deduct	*-42.73*	
		For >5,000, Deduct	*-66.56*	
33 01 30 71-0123	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	651.64	
		For Up To 75, Add	*135.23*	
		For >75 To 150, Add	*65.16*	
		For >500 To 1,000, Deduct	*-14.99*	
		For >1,000 To 2,000, Deduct	*-29.50*	
		For >2,000 To 5,000, Deduct	*-44.98*	
		For >5,000, Deduct	*-70.07*	
33 01 30 71-0124	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.74	

33 01 30 71-0125 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0020)*
Note: Two part structural polyurethane.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0126	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	240.27	
		For Up To 75, Add	*49.69*	
		For >75 To 150, Add	*24.03*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000 To 2,000, Deduct	*-10.75*	
		For >2,000 To 5,000, Deduct	*-16.38*	
		For >5,000, Deduct	*-25.66*	
33 01 30 71-0127	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	280.32	
		For Up To 75, Add	*57.97*	
		For >75 To 150, Add	*28.03*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.55*	
		For >2,000 To 5,000, Deduct	*-19.11*	
		For >5,000, Deduct	*-29.94*	
33 01 30 71-0128	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	320.36	
		For Up To 75, Add	*66.25*	
		For >75 To 150, Add	*32.04*	
		For >500 To 1,000, Deduct	*-7.28*	
		For >1,000 To 2,000, Deduct	*-14.34*	
		For >2,000 To 5,000, Deduct	*-21.84*	
		For >5,000, Deduct	*-34.21*	
33 01 30 71-0129	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	360.42	
		For Up To 75, Add	*74.54*	
		For >75 To 150, Add	*36.04*	
		For >500 To 1,000, Deduct	*-8.19*	
		For >1,000 To 2,000, Deduct	*-16.13*	
		For >2,000 To 5,000, Deduct	*-24.57*	
		For >5,000, Deduct	*-38.49*	
33 01 30 71-0130	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	400.47	
		For Up To 75, Add	*82.82*	
		For >75 To 150, Add	*40.05*	
		For >500 To 1,000, Deduct	*-9.10*	
		For >1,000 To 2,000, Deduct	*-17.93*	
		For >2,000 To 5,000, Deduct	*-27.30*	
		For >5,000, Deduct	*-42.77*	
33 01 30 71-0131	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	440.51	
		For Up To 75, Add	*91.10*	
		For >75 To 150, Add	*44.05*	
		For >500 To 1,000, Deduct	*-10.01*	
		For >1,000 To 2,000, Deduct	*-19.72*	
		For >2,000 To 5,000, Deduct	*-30.03*	
		For >5,000, Deduct	*-47.05*	
33 01 30 71-0132	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	480.56	
		For Up To 75, Add	*99.38*	
		For >75 To 150, Add	*48.06*	
		For >500 To 1,000, Deduct	*-10.92*	
		For >1,000 To 2,000, Deduct	*-21.51*	
		For >2,000 To 5,000, Deduct	*-32.76*	
		For >5,000, Deduct	*-51.32*	
33 01 30 71-0133	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	520.60	
		For Up To 75, Add	*107.66*	
		For >75 To 150, Add	*52.06*	
		For >500 To 1,000, Deduct	*-11.83*	
		For >1,000 To 2,000, Deduct	*-23.30*	
		For >2,000 To 5,000, Deduct	*-35.48*	
		For >5,000, Deduct	*-55.60*	
33 01 30 71-0134	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	560.65	
		For Up To 75, Add	*115.94*	
		For >75 To 150, Add	*56.07*	
		For >500 To 1,000, Deduct	*-12.74*	
		For >1,000 To 2,000, Deduct	*-25.10*	
		For >2,000 To 5,000, Deduct	*-38.21*	
		For >5,000, Deduct	*-59.88*	
33 01 30 71-0135	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	600.70	
		For Up To 75, Add	*124.23*	
		For >75 To 150, Add	*60.07*	
		For >500 To 1,000, Deduct	*-13.65*	
		For >1,000 To 2,000, Deduct	*-26.89*	
		For >2,000 To 5,000, Deduct	*-40.94*	
		For >5,000, Deduct	*-64.16*	
33 01 30 71-0136	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	640.75	
		For Up To 75, Add	*132.51*	
		For >75 To 150, Add	*64.08*	
		For >500 To 1,000, Deduct	*-14.56*	
		For >1,000 To 2,000, Deduct	*-28.68*	
		For >2,000 To 5,000, Deduct	*-43.67*	
		For >5,000, Deduct	*-68.43*	
33 01 30 71-0137	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	680.78	
		For Up To 75, Add	*140.79*	
		For >75 To 150, Add	*68.08*	
		For >500 To 1,000, Deduct	*-15.47*	
		For >1,000 To 2,000, Deduct	*-30.47*	
		For >2,000 To 5,000, Deduct	*-46.40*	
		For >5,000, Deduct	*-72.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0138	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	720.83	
		For Up To 75, Add	*149.07*	
		For >75 To 150, Add	*72.08*	
		For >500 To 1,000, Deduct	*-16.38*	
		For >1,000 To 2,000, Deduct	*-32.26*	
		For >2,000 To 5,000, Deduct	*-49.13*	
		For >5,000, Deduct	*-76.99*	
33 01 30 71-0139	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	760.87	
		For Up To 75, Add	*157.35*	
		For >75 To 150, Add	*76.09*	
		For >500 To 1,000, Deduct	*-17.29*	
		For >1,000 To 2,000, Deduct	*-34.06*	
		For >2,000 To 5,000, Deduct	*-51.86*	
		For >5,000, Deduct	*-81.26*	
33 01 30 71-0140	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	800.92	
		For Up To 75, Add	*165.63*	
		For >75 To 150, Add	*80.09*	
		For >500 To 1,000, Deduct	*-18.20*	
		For >1,000 To 2,000, Deduct	*-35.85*	
		For >2,000 To 5,000, Deduct	*-54.59*	
		For >5,000, Deduct	*-85.54*	
33 01 30 71-0141	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	25.50	

33 01 30 71-0142 Polyvinyl Chloride (PVC) Liner Pipe *(33 01 30 71-0001)*

Note: Sanitary and storm sewer trenchless slip-lining.

33 01 30 71-0143	LF	12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	33.37	
33 01 30 71-0144	LF	15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	50.10	
33 01 30 71-0145	LF	18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	67.49	
33 01 30 71-0146	LF	21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	83.74	
33 01 30 71-0147	LF	24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	109.72	
33 01 30 71-0148	LF	27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	131.67	
33 01 30 71-0149	LF	30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	150.74	
33 01 30 71-0150	LF	36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe	215.28	

33 01 30 71-0151 25% Asphalt Paving In Pipe, Cold Applied, ASTM A849 *(33 01 30 71-0001)*

Note: Excludes costs for CCTV inspection, sewer cleaning, bypass pumping.

33 01 30 71-0152	LF	12" Diameter Pipe, 25% Asphalt Paved Note: Cold applied to corrugated metal pipe.	7.98	
		For Up To 100 LF Total Relining (All Sizes), Add	*1.85*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*1.48*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*0.74*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.54*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-0.91*	
33 01 30 71-0153	LF	15" Diameter Pipe, 25% Asphalt Paved Note: Cold applied to corrugated metal pipe.	10.32	
		For Up To 100 LF Total Relining (All Sizes), Add	*2.36*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*1.89*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*0.94*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.68*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.16*	
33 01 30 71-0154	LF	18" Diameter Pipe, 25% Asphalt Paved Note: Cold applied to corrugated metal pipe.	12.39	
		For Up To 100 LF Total Relining (All Sizes), Add	*2.83*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*2.26*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.13*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.82*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.39*	
33 01 30 71-0155	LF	21" Diameter Pipe, 25% Asphalt Paved Note: Cold applied to corrugated metal pipe.	14.46	
		For Up To 100 LF Total Relining (All Sizes), Add	*3.30*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*2.64*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.32*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-0.96*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.62*	
33 01 30 71-0156	LF	24" Diameter Pipe, 25% Asphalt Paved Note: Cold applied to corrugated metal pipe.	16.53	
		For Up To 100 LF Total Relining (All Sizes), Add	*3.77*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*3.02*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.51*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.10*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-1.85*	
33 01 30 71-0157	LF	30" Diameter Pipe, 25% Asphalt Paved Note: Cold applied to corrugated metal pipe.	20.66	
		For Up To 100 LF Total Relining (All Sizes), Add	*4.72*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*3.77*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*1.89*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.37*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-2.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0158	LF	36" Diameter Pipe, 25% Asphalt Paved	24.79	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*5.66*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*4.53*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*2.26*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.64*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-2.78*	
33 01 30 71-0159	LF	42" Diameter Pipe, 25% Asphalt Paved	28.93	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*6.60*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*5.28*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*2.64*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-1.92*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-3.24*	
33 01 30 71-0160	LF	48" Diameter Pipe, 25% Asphalt Paved	33.05	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*7.55*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*6.04*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*3.02*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-2.19*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-3.70*	
33 01 30 71-0161	LF	54" Diameter Pipe, 25% Asphalt Paved	37.18	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*8.49*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*6.79*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*3.40*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-2.47*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-4.16*	
33 01 30 71-0162	LF	60" Diameter Pipe, 25% Asphalt Paved	41.32	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*9.43*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*7.55*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*3.77*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-2.74*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-4.63*	
33 01 30 71-0163	LF	66" Diameter Pipe, 25% Asphalt Paved	45.45	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*10.38*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*8.30*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*4.15*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.01*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-5.09*	
33 01 30 71-0164	LF	72" Diameter Pipe, 25% Asphalt Paved	49.59	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*11.32*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*9.06*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*4.53*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.29*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-5.55*	
33 01 30 71-0165	LF	78" Diameter Pipe, 25% Asphalt Paved	53.71	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*12.26*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*9.81*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*4.90*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.56*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-6.01*	
33 01 30 71-0166	LF	84" Diameter Pipe, 25% Asphalt Paved	57.84	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*13.20*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*10.56*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*5.28*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-3.84*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-6.48*	
33 01 30 71-0167	LF	90" Diameter Pipe, 25% Asphalt Paved	61.98	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*14.15*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*11.32*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*5.66*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.11*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-6.94*	
33 01 30 71-0168	LF	96" Diameter Pipe, 25% Asphalt Paved	66.11	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*15.09*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*12.07*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*6.04*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.38*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-7.40*	
33 01 30 71-0169	LF	102" Diameter Pipe, 25% Asphalt Paved	70.25	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*16.04*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*12.83*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*6.41*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.66*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-7.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0170	LF	108" Diameter Pipe, 25% Asphalt Paved	74.38	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*16.98*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*13.58*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*6.79*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-4.93*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-8.33*	
33 01 30 71-0171	LF	114" Diameter Pipe, 25% Asphalt Paved	78.50	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*17.92*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*14.34*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*7.17*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-5.21*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-8.79*	
33 01 30 71-0172	LF	120" Diameter Pipe, 25% Asphalt Paved	82.64	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*18.87*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*15.09*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*7.55*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-5.48*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-9.25*	
33 01 30 71-0173	LF	126" Diameter Pipe, 25% Asphalt Paved	86.78	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*19.81*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*15.85*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*7.92*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-5.75*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-9.72*	
33 01 30 71-0174	LF	132" Diameter Pipe, 25% Asphalt Paved	90.90	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*20.75*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*16.60*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*8.30*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-6.03*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-10.18*	
33 01 30 71-0175	LF	138" Diameter Pipe, 25% Asphalt Paved	95.04	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*21.70*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*17.36*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*8.68*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-6.30*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-10.64*	
33 01 30 71-0176	LF	144" Diameter Pipe, 25% Asphalt Paved	99.17	
		Note: Cold applied to corrugated metal pipe.		
		For Up To 100 LF Total Relining (All Sizes), Add	*22.64*	
		For >100 To 250 LF Total Relining (All Sizes), Add	*18.11*	
		For >250 To 500 LF Total Relining (All Sizes), Add	*9.06*	
		For >2,500 To 5,000 LF Total Relining (All Sizes), Deduct	*-6.58*	
		For >5,000 LF Total Relining (All Sizes), Deduct	*-11.10*	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Set-Up And Reinsertion For Cured In-Place Pipe (CIPP) Lining *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set-up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,806.89
33 01 30 72-0004	EA	Initial Set-up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,011.47
33 01 30 72-0005	EA	Initial Set-up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,517.21
33 01 30 72-0006	EA	Initial Set-up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,022.95
33 01 30 72-0007	EA	Move And Set-up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	903.44
33 01 30 72-0008	EA	Move And Set-up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,505.74
33 01 30 72-0009	EA	Move And Set-up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,882.17
33 01 30 72-0010	EA	Move And Set-up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,409.17
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,505.74
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,613.77
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,022.95
		Note: Need to mix wet material in bag prior to installation.	
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	9,034.42
		Note: Need to mix wet material in bag prior to installation.	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0015		Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation *(33 01 30 72-0001)*		
		Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
33 01 30 72-0016		4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	26.79	
		For Vinylester Resin, Add	*7.69*	
		For Epoxy Resin, Add	*0.91*	
		For Up To >10, Add	*52.92*	
		For >10 To 25, Add	*42.27*	
		For >25 To 50, Add	*25.91*	
		For >50 To 100, Add	*12.96*	
		For >500 To 1,000, Deduct	*-1.73*	
		For >1,000 To 2,000, Deduct	*-2.80*	
		For >2,000 To 5,000, Deduct	*-5.27*	
		For >5,000, Deduct	*-8.52*	
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	32.82	
		For Vinylester Resin, Add	*11.91*	
		For Epoxy Resin, Add	*1.40*	
		For Up To >10, Add	*55.94*	
		For >10 To 25, Add	*43.78*	
		For >25 To 50, Add	*27.12*	
		For >50 To 100, Add	*13.56*	
		For >500 To 1,000, Deduct	*-2.04*	
		For >1,000 To 2,000, Deduct	*-3.25*	
		For >2,000 To 5,000, Deduct	*-5.99*	
		For >5,000, Deduct	*-9.73*	
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	38.84	
		For Vinylester Resin, Add	*16.12*	
		For Epoxy Resin, Add	*1.90*	
		For Up To >10, Add	*58.95*	
		For >10 To 25, Add	*45.28*	
		For >25 To 50, Add	*28.32*	
		For >50 To 100, Add	*14.16*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 2,000, Deduct	*-3.70*	
		For >2,000 To 5,000, Deduct	*-6.72*	
		For >5,000, Deduct	*-10.93*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	52.40	
		For Vinylester Resin, Add	*24.56*	
		For Epoxy Resin, Add	*2.89*	
		For Up To >10, Add	*69.50*	
		For >10 To 25, Add	*52.07*	
		For >25 To 50, Add	*33.00*	
		For >50 To 100, Add	*16.50*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000 To 2,000, Deduct	*-4.80*	
		For >2,000 To 5,000, Deduct	*-8.54*	
		For >5,000, Deduct	*-13.94*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	65.95	
		For Vinylester Resin, Add	*32.99*	
		For Epoxy Resin, Add	*3.89*	
		For Up To >10, Add	*80.03*	
		For >10 To 25, Add	*58.83*	
		For >25 To 50, Add	*37.66*	
		For >50 To 100, Add	*18.83*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000 To 2,000, Deduct	*-5.89*	
		For >2,000 To 5,000, Deduct	*-10.36*	
		For >5,000, Deduct	*-16.95*	
33 01 30 72-0022		6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	38.01	
		For Vinylester Resin, Add	*15.54*	
		For Epoxy Resin, Add	*1.83*	
		For Up To >10, Add	*58.53*	
		For >10 To 25, Add	*45.08*	
		For >25 To 50, Add	*28.16*	
		For >50 To 100, Add	*14.08*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000 To 2,000, Deduct	*-3.64*	
		For >2,000 To 5,000, Deduct	*-6.62*	
		For >5,000, Deduct	*-10.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	46.04	
		For Vinylester Resin, Add	*21.16*	
		For Epoxy Resin, Add	*2.49*	
		For Up To >10, Add	*62.55*	
		For >10 To 25, Add	*47.08*	
		For >25 To 50, Add	*29.76*	
		For >50 To 100, Add	*14.88*	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000 To 2,000, Deduct	*-4.24*	
		For >2,000 To 5,000, Deduct	*-7.58*	
		For >5,000, Deduct	*-12.37*	
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	63.62	
		For Vinylester Resin, Add	*32.41*	
		For Epoxy Resin, Add	*3.82*	
		For Up To >10, Add	*75.11*	
		For >10 To 25, Add	*54.88*	
		For >25 To 50, Add	*35.24*	
		For >50 To 100, Add	*17.62*	
		For >500 To 1,000, Deduct	*-3.61*	
		For >1,000 To 2,000, Deduct	*-5.64*	
		For >2,000 To 5,000, Deduct	*-9.89*	
		For >5,000, Deduct	*-16.19*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	81.18	
		For Vinylester Resin, Add	*43.65*	
		For Epoxy Resin, Add	*5.14*	
		For Up To >10, Add	*87.64*	
		For >10 To 25, Add	*62.64*	
		For >25 To 50, Add	*40.70*	
		For >50 To 100, Add	*20.35*	
		For >500 To 1,000, Deduct	*-4.53*	
		For >1,000 To 2,000, Deduct	*-7.03*	
		For >2,000 To 5,000, Deduct	*-12.19*	
		For >5,000, Deduct	*-20.00*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	98.91	
		For Vinylester Resin, Add	*54.90*	
		For Epoxy Resin, Add	*6.47*	
		For Up To >10, Add	*100.66*	
		For >10 To 25, Add	*70.81*	
		For >25 To 50, Add	*46.41*	
		For >50 To 100, Add	*23.20*	
		For >500 To 1,000, Deduct	*-5.46*	
		For >1,000 To 2,000, Deduct	*-8.44*	
		For >2,000 To 5,000, Deduct	*-14.53*	
		For >5,000, Deduct	*-23.88*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	117.07	
		For Vinylester Resin, Add	*66.14*	
		For Epoxy Resin, Add	*7.80*	
		For Up To >10, Add	*114.99*	
		For >10 To 25, Add	*80.07*	
		For >25 To 50, Add	*52.77*	
		For >50 To 100, Add	*26.38*	
		For >500 To 1,000, Deduct	*-6.42*	
		For >1,000 To 2,000, Deduct	*-9.91*	
		For >2,000 To 5,000, Deduct	*-16.98*	
		For >5,000, Deduct	*-27.93*	
33 01 30 72-0029		**7.5mm Thick Lining Cured In-Place Pipe** *(33 01 30 72-0015)*		
33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	53.01	
		For Vinylester Resin, Add	*26.04*	
		For Epoxy Resin, Add	*3.07*	
		For Up To >10, Add	*66.03*	
		For >10 To 25, Add	*48.83*	
		For >25 To 50, Add	*31.16*	
		For >50 To 100, Add	*15.58*	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000 To 2,000, Deduct	*-4.77*	
		For >2,000 To 5,000, Deduct	*-8.42*	
		For >5,000, Deduct	*-13.76*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	74.60	
		For Vinylester Resin, Add	*40.10*	
		For Epoxy Resin, Add	*4.73*	
		For Up To >10, Add	*80.60*	
		For >10 To 25, Add	*57.62*	
		For >25 To 50, Add	*37.44*	
		For >50 To 100, Add	*18.72*	
		For >500 To 1,000, Deduct	*-4.16*	
		For >1,000 To 2,000, Deduct	*-6.46*	
		For >2,000 To 5,000, Deduct	*-11.20*	
		For >5,000, Deduct	*-18.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	96.18	
		For Vinylester Resin, Add	*54.15*	
		For Epoxy Resin, Add	*6.38*	
		For Up To >10, Add	*95.14*	
		For >10 To 25, Add	*66.39*	
		For >25 To 50, Add	*43.70*	
		For >50 To 100, Add	*21.85*	
		For >500 To 1,000, Deduct	*-5.28*	
		For >1,000 To 2,000, Deduct	*-8.15*	
		For >2,000 To 5,000, Deduct	*-13.99*	
		For >5,000, Deduct	*-23.00*	
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	117.92	
		For Vinylester Resin, Add	*68.21*	
		For Epoxy Resin, Add	*8.04*	
		For Up To >10, Add	*110.16*	
		For >10 To 25, Add	*75.56*	
		For >25 To 50, Add	*50.21*	
		For >50 To 100, Add	*25.10*	
		For >500 To 1,000, Deduct	*-6.41*	
		For >1,000 To 2,000, Deduct	*-9.87*	
		For >2,000 To 5,000, Deduct	*-16.81*	
		For >5,000, Deduct	*-27.68*	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	140.10	
		For Vinylester Resin, Add	*82.26*	
		For Epoxy Resin, Add	*9.70*	
		For Up To >10, Add	*126.50*	
		For >10 To 25, Add	*85.83*	
		For >25 To 50, Add	*57.37*	
		For >50 To 100, Add	*28.69*	
		For >500 To 1,000, Deduct	*-7.57*	
		For >1,000 To 2,000, Deduct	*-11.64*	
		For >2,000 To 5,000, Deduct	*-19.75*	
		For >5,000, Deduct	*-32.54*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	173.24	
		For Vinylester Resin, Add	*103.35*	
		For Epoxy Resin, Add	*12.18*	
		For Up To >10, Add	*150.62*	
		For >10 To 25, Add	*100.91*	
		For >25 To 50, Add	*67.93*	
		For >50 To 100, Add	*33.96*	
		For >500 To 1,000, Deduct	*-9.30*	
		For >1,000 To 2,000, Deduct	*-14.27*	
		For >2,000 To 5,000, Deduct	*-24.12*	
		For >5,000, Deduct	*-39.77*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	206.67	
		For Vinylester Resin, Add	*124.43*	
		For Epoxy Resin, Add	*14.67*	
		For Up To >10, Add	*175.61*	
		For >10 To 25, Add	*116.72*	
		For >25 To 50, Add	*78.92*	
		For >50 To 100, Add	*39.46*	
		For >500 To 1,000, Deduct	*-11.06*	
		For >1,000 To 2,000, Deduct	*-16.95*	
		For >2,000 To 5,000, Deduct	*-28.56*	
		For >5,000, Deduct	*-47.12*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	85.34	
		For Vinylester Resin, Add	*47.61*	
		For Epoxy Resin, Add	*5.61*	
		For Up To >10, Add	*85.97*	
		For >10 To 25, Add	*60.31*	
		For >25 To 50, Add	*39.58*	
		For >50 To 100, Add	*19.79*	
		For >500 To 1,000, Deduct	*-4.70*	
		For >1,000 To 2,000, Deduct	*-7.27*	
		For >2,000 To 5,000, Deduct	*-12.49*	
		For >5,000, Deduct	*-20.53*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	110.94	
		For Vinylester Resin, Add	*64.48*	
		For Epoxy Resin, Add	*7.60*	
		For Up To >10, Add	*102.52*	
		For >10 To 25, Add	*70.08*	
		For >25 To 50, Add	*46.65*	
		For >50 To 100, Add	*23.33*	
		For >500 To 1,000, Deduct	*-6.02*	
		For >1,000 To 2,000, Deduct	*-9.26*	
		For >2,000 To 5,000, Deduct	*-15.76*	
		For >5,000, Deduct	*-25.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	136.70	
		For Vinylester Resin, Add	*81.35*	
		For Epoxy Resin, Add	*9.59*	
		For Up To >10, Add	*119.55*	
		For >10 To 25, Add	*80.26*	
		For >25 To 50, Add	*53.96*	
		For >50 To 100, Add	*26.98*	
		For >500 To 1,000, Deduct	*-7.35*	
		For >1,000 To 2,000, Deduct	*-11.28*	
		For >2,000 To 5,000, Deduct	*-19.07*	
		For >5,000, Deduct	*-31.44*	
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	162.89	
		For Vinylester Resin, Add	*98.22*	
		For Epoxy Resin, Add	*11.58*	
		For Up To >10, Add	*137.90*	
		For >10 To 25, Add	*91.53*	
		For >25 To 50, Add	*61.93*	
		For >50 To 100, Add	*30.97*	
		For >500 To 1,000, Deduct	*-8.71*	
		For >1,000 To 2,000, Deduct	*-13.35*	
		For >2,000 To 5,000, Deduct	*-22.48*	
		For >5,000, Deduct	*-37.09*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	202.06	
		For Vinylester Resin, Add	*123.52*	
		For Epoxy Resin, Add	*14.56*	
		For Up To >10, Add	*165.03*	
		For >10 To 25, Add	*108.12*	
		For >25 To 50, Add	*73.69*	
		For >50 To 100, Add	*36.85*	
		For >500 To 1,000, Deduct	*-10.74*	
		For >1,000 To 2,000, Deduct	*-16.43*	
		For >2,000 To 5,000, Deduct	*-27.58*	
		For >5,000, Deduct	*-45.53*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	241.51	
		For Vinylester Resin, Add	*148.82*	
		For Epoxy Resin, Add	*17.54*	
		For Up To >10, Add	*193.03*	
		For >10 To 25, Add	*125.43*	
		For >25 To 50, Add	*85.89*	
		For >50 To 100, Add	*42.94*	
		For >500 To 1,000, Deduct	*-12.80*	
		For >1,000 To 2,000, Deduct	*-19.56*	
		For >2,000 To 5,000, Deduct	*-32.74*	
		For >5,000, Deduct	*-54.08*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	280.07	
		For Vinylester Resin, Add	*174.13*	
		For Epoxy Resin, Add	*20.52*	
		For Up To >10, Add	*218.34*	
		For >10 To 25, Add	*140.49*	
		For >25 To 50, Add	*96.73*	
		For >50 To 100, Add	*48.37*	
		For >500 To 1,000, Deduct	*-14.79*	
		For >1,000 To 2,000, Deduct	*-22.57*	
		For >2,000 To 5,000, Deduct	*-37.68*	
		For >5,000, Deduct	*-62.28*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	319.08	
		For Vinylester Resin, Add	*199.43*	
		For Epoxy Resin, Add	*23.50*	
		For Up To >10, Add	*244.99*	
		For >10 To 25, Add	*156.68*	
		For >25 To 50, Add	*108.25*	
		For >50 To 100, Add	*54.13*	
		For >500 To 1,000, Deduct	*-16.81*	
		For >1,000 To 2,000, Deduct	*-25.64*	
		For >2,000 To 5,000, Deduct	*-42.73*	
		For >5,000, Deduct	*-70.65*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	230.64	
		For Vinylester Resin, Add	*143.53*	
		For Epoxy Resin, Add	*16.92*	
		For Up To >10, Add	*179.32*	
		For >10 To 25, Add	*115.26*	
		For >25 To 50, Add	*79.41*	
		For >50 To 100, Add	*39.70*	
		For >500 To 1,000, Deduct	*-12.17*	
		For >1,000 To 2,000, Deduct	*-18.58*	
		For >2,000 To 5,000, Deduct	*-31.00*	
		For >5,000, Deduct	*-51.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	276.11	
		For Vinylester Resin, Add	*173.04*	
		For Epoxy Resin, Add	*20.39*	
		For Up To >10, Add	*210.33*	
		For >10 To 25, Add	*134.08*	
		For >25 To 50, Add	*92.81*	
		For >50 To 100, Add	*46.40*	
		For >500 To 1,000, Deduct	*-14.53*	
		For >1,000 To 2,000, Deduct	*-22.15*	
		For >2,000 To 5,000, Deduct	*-36.89*	
		For >5,000, Deduct	*-61.00*	
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	320.70	
		For Vinylester Resin, Add	*202.57*	
		For Epoxy Resin, Add	*23.87*	
		For Up To >10, Add	*238.65*	
		For >10 To 25, Add	*150.65*	
		For >25 To 50, Add	*104.86*	
		For >50 To 100, Add	*52.43*	
		For >500 To 1,000, Deduct	*-16.82*	
		For >1,000 To 2,000, Deduct	*-25.62*	
		For >2,000 To 5,000, Deduct	*-42.56*	
		For >5,000, Deduct	*-70.40*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	365.73	
		For Vinylester Resin, Add	*232.09*	
		For Epoxy Resin, Add	*27.35*	
		For Up To >10, Add	*268.32*	
		For >10 To 25, Add	*168.34*	
		For >25 To 50, Add	*117.58*	
		For >50 To 100, Add	*58.79*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000 To 2,000, Deduct	*-29.14*	
		For >2,000 To 5,000, Deduct	*-48.33*	
		For >5,000, Deduct	*-79.98*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	411.35	
		For Vinylester Resin, Add	*261.60*	
		For Epoxy Resin, Add	*30.83*	
		For Up To >10, Add	*299.78*	
		For >10 To 25, Add	*187.53*	
		For >25 To 50, Add	*131.20*	
		For >50 To 100, Add	*65.60*	
		For >500 To 1,000, Deduct	*-21.51*	
		For >1,000 To 2,000, Deduct	*-32.73*	
		For >2,000 To 5,000, Deduct	*-54.26*	
		For >5,000, Deduct	*-89.80*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	457.75	
		For Vinylester Resin, Add	*291.12*	
		For Epoxy Resin, Add	*34.31*	
		For Up To >10, Add	*333.53*	
		For >10 To 25, Add	*208.62*	
		For >25 To 50, Add	*145.97*	
		For >50 To 100, Add	*72.98*	
		For >500 To 1,000, Deduct	*-23.93*	
		For >1,000 To 2,000, Deduct	*-36.42*	
		For >2,000 To 5,000, Deduct	*-60.37*	
		For >5,000, Deduct	*-99.92*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	547.36	
		For Vinylester Resin, Add	*350.16*	
		For Epoxy Resin, Add	*41.27*	
		For Up To >10, Add	*391.51*	
		For >10 To 25, Add	*242.88*	
		For >25 To 50, Add	*170.74*	
		For >50 To 100, Add	*85.37*	
		For >500 To 1,000, Deduct	*-28.55*	
		For >1,000 To 2,000, Deduct	*-43.41*	
		For >2,000 To 5,000, Deduct	*-71.81*	
		For >5,000, Deduct	*-118.90*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	258.98	
		For Vinylester Resin, Add	*163.37*	
		For Epoxy Resin, Add	*19.25*	
		For Up To >10, Add	*193.49*	
		For >10 To 25, Add	*122.35*	
		For >25 To 50, Add	*85.08*	
		For >50 To 100, Add	*42.54*	
		For >500 To 1,000, Deduct	*-13.59*	
		For >1,000 To 2,000, Deduct	*-20.70*	
		For >2,000 To 5,000, Deduct	*-34.41*	
		For >5,000, Deduct	*-56.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	310.49	
		For Vinylester Resin, Add	*197.11*	
		For Epoxy Resin, Add	*23.23*	
		For Up To >10, Add	*227.52*	
		For >10 To 25, Add	*142.67*	
		For >25 To 50, Add	*99.68*	
		For >50 To 100, Add	*49.84*	
		For >500 To 1,000, Deduct	*-16.25*	
		For >1,000 To 2,000, Deduct	*-24.73*	
		For >2,000 To 5,000, Deduct	*-41.02*	
		For >5,000, Deduct	*-67.88*	
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	361.09	
		For Vinylester Resin, Add	*230.84*	
		For Epoxy Resin, Add	*27.21*	
		For Up To >10, Add	*258.85*	
		For >10 To 25, Add	*160.74*	
		For >25 To 50, Add	*112.93*	
		For >50 To 100, Add	*56.47*	
		For >500 To 1,000, Deduct	*-18.84*	
		For >1,000 To 2,000, Deduct	*-28.65*	
		For >2,000 To 5,000, Deduct	*-47.40*	
		For >5,000, Deduct	*-78.48*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	412.14	
		For Vinylester Resin, Add	*264.57*	
		For Epoxy Resin, Add	*31.18*	
		For Up To >10, Add	*291.52*	
		For >10 To 25, Add	*179.94*	
		For >25 To 50, Add	*126.86*	
		For >50 To 100, Add	*63.43*	
		For >500 To 1,000, Deduct	*-21.46*	
		For >1,000 To 2,000, Deduct	*-32.62*	
		For >2,000 To 5,000, Deduct	*-53.90*	
		For >5,000, Deduct	*-89.26*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	463.80	
		For Vinylester Resin, Add	*298.31*	
		For Epoxy Resin, Add	*35.16*	
		For Up To >10, Add	*326.00*	
		For >10 To 25, Add	*200.64*	
		For >25 To 50, Add	*141.69*	
		For >50 To 100, Add	*70.85*	
		For >500 To 1,000, Deduct	*-24.13*	
		For >1,000 To 2,000, Deduct	*-36.67*	
		For >2,000 To 5,000, Deduct	*-60.55*	
		For >5,000, Deduct	*-100.29*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	516.21	
		For Vinylester Resin, Add	*332.05*	
		For Epoxy Resin, Add	*39.13*	
		For Up To >10, Add	*362.76*	
		For >10 To 25, Add	*223.24*	
		For >25 To 50, Add	*157.66*	
		For >50 To 100, Add	*78.83*	
		For >500 To 1,000, Deduct	*-26.86*	
		For >1,000 To 2,000, Deduct	*-40.81*	
		For >2,000 To 5,000, Deduct	*-67.39*	
		For >5,000, Deduct	*-111.61*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	617.87	
		For Vinylester Resin, Add	*399.52*	
		For Epoxy Resin, Add	*47.09*	
		For Up To >10, Add	*426.76*	
		For >10 To 25, Add	*260.51*	
		For >25 To 50, Add	*184.84*	
		For >50 To 100, Add	*92.42*	
		For >500 To 1,000, Deduct	*-32.07*	
		For >1,000 To 2,000, Deduct	*-48.70*	
		For >2,000 To 5,000, Deduct	*-80.27*	
		For >5,000, Deduct	*-133.00*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	720.88	
		For Vinylester Resin, Add	*466.99*	
		For Epoxy Resin, Add	*55.04*	
		For Up To >10, Add	*494.82*	
		For >10 To 25, Add	*301.16*	
		For >25 To 50, Add	*214.05*	
		For >50 To 100, Add	*107.03*	
		For >500 To 1,000, Deduct	*-37.39*	
		For >1,000 To 2,000, Deduct	*-56.75*	
		For >2,000 To 5,000, Deduct	*-93.49*	
		For >5,000, Deduct	*-154.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	826.30	
		For Vinylester Resin, Add	*534.46*	
		For Epoxy Resin, Add	*62.99*	
		For Up To >10, Add	*570.13*	
		For >10 To 25, Add	*347.85*	
		For >25 To 50, Add	*246.89*	
		For >50 To 100, Add	*123.44*	
		For >500 To 1,000, Deduct	*-42.88*	
		For >1,000 To 2,000, Deduct	*-65.11*	
		For >2,000 To 5,000, Deduct	*-107.32*	
		For >5,000, Deduct	*-177.82*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	287.08	
		For Vinylester Resin, Add	*183.04*	
		For Epoxy Resin, Add	*21.57*	
		For Up To >10, Add	*207.54*	
		For >10 To 25, Add	*129.37*	
		For >25 To 50, Add	*90.70*	
		For >50 To 100, Add	*45.35*	
		For >500 To 1,000, Deduct	*-14.99*	
		For >1,000 To 2,000, Deduct	*-22.81*	
		For >2,000 To 5,000, Deduct	*-37.78*	
		For >5,000, Deduct	*-62.54*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	344.62	
		For Vinylester Resin, Add	*221.00*	
		For Epoxy Resin, Add	*26.05*	
		For Up To >10, Add	*244.59*	
		For >10 To 25, Add	*151.20*	
		For >25 To 50, Add	*106.51*	
		For >50 To 100, Add	*53.25*	
		For >500 To 1,000, Deduct	*-17.95*	
		For >1,000 To 2,000, Deduct	*-27.29*	
		For >2,000 To 5,000, Deduct	*-45.11*	
		For >5,000, Deduct	*-74.71*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	401.25	
		For Vinylester Resin, Add	*258.95*	
		For Epoxy Resin, Add	*30.52*	
		For Up To >10, Add	*278.93*	
		For >10 To 25, Add	*170.78*	
		For >25 To 50, Add	*120.97*	
		For >50 To 100, Add	*60.48*	
		For >500 To 1,000, Deduct	*-20.85*	
		For >1,000 To 2,000, Deduct	*-31.66*	
		For >2,000 To 5,000, Deduct	*-52.22*	
		For >5,000, Deduct	*-86.51*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	458.32	
		For Vinylester Resin, Add	*296.90*	
		For Epoxy Resin, Add	*34.99*	
		For Up To >10, Add	*314.61*	
		For >10 To 25, Add	*191.49*	
		For >25 To 50, Add	*136.10*	
		For >50 To 100, Add	*68.05*	
		For >500 To 1,000, Deduct	*-23.77*	
		For >1,000 To 2,000, Deduct	*-36.08*	
		For >2,000 To 5,000, Deduct	*-59.44*	
		For >5,000, Deduct	*-98.50*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	516.00	
		For Vinylester Resin, Add	*334.85*	
		For Epoxy Resin, Add	*39.46*	
		For Up To >10, Add	*352.10*	
		For >10 To 25, Add	*213.69*	
		For >25 To 50, Add	*152.13*	
		For >50 To 100, Add	*76.07*	
		For >500 To 1,000, Deduct	*-26.74*	
		For >1,000 To 2,000, Deduct	*-40.58*	
		For >2,000 To 5,000, Deduct	*-66.81*	
		For >5,000, Deduct	*-110.73*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	574.44	
		For Vinylester Resin, Add	*372.81*	
		For Epoxy Resin, Add	*43.94*	
		For Up To >10, Add	*391.87*	
		For >10 To 25, Add	*237.80*	
		For >25 To 50, Add	*169.31*	
		For >50 To 100, Add	*84.65*	
		For >500 To 1,000, Deduct	*-29.77*	
		For >1,000 To 2,000, Deduct	*-45.18*	
		For >2,000 To 5,000, Deduct	*-74.37*	
		For >5,000, Deduct	*-123.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	688.14	
		For Vinylester Resin, Add	*448.71*	
		For Epoxy Resin, Add	*52.88*	
		For Up To >10, Add	*461.90*	
		For >10 To 25, Add	*278.08*	
		For >25 To 50, Add	*198.90*	
		For >50 To 100, Add	*99.45*	
		For >500 To 1,000, Deduct	*-35.59*	
		For >1,000 To 2,000, Deduct	*-53.97*	
		For >2,000 To 5,000, Deduct	*-88.70*	
		For >5,000, Deduct	*-147.05*	
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	803.20	
		For Vinylester Resin, Add	*524.62*	
		For Epoxy Resin, Add	*61.83*	
		For Up To >10, Add	*535.98*	
		For >10 To 25, Add	*321.74*	
		For >25 To 50, Add	*230.52*	
		For >50 To 100, Add	*115.26*	
		For >500 To 1,000, Deduct	*-41.50*	
		For >1,000 To 2,000, Deduct	*-62.93*	
		For >2,000 To 5,000, Deduct	*-103.37*	
		For >5,000, Deduct	*-171.39*	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	920.67	
		For Vinylester Resin, Add	*600.52*	
		For Epoxy Resin, Add	*70.78*	
		For Up To >10, Add	*617.31*	
		For >10 To 25, Add	*371.45*	
		For >25 To 50, Add	*265.76*	
		For >50 To 100, Add	*132.88*	
		For >500 To 1,000, Deduct	*-47.60*	
		For >1,000 To 2,000, Deduct	*-72.19*	
		For >2,000 To 5,000, Deduct	*-118.64*	
		For >5,000, Deduct	*-196.69*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	314.95	
		For Vinylester Resin, Add	*202.55*	
		For Epoxy Resin, Add	*23.87*	
		For Up To >10, Add	*221.48*	
		For >10 To 25, Add	*136.34*	
		For >25 To 50, Add	*96.27*	
		For >50 To 100, Add	*48.14*	
		For >500 To 1,000, Deduct	*-16.39*	
		For >1,000 To 2,000, Deduct	*-24.90*	
		For >2,000 To 5,000, Deduct	*-41.12*	
		For >5,000, Deduct	*-68.11*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	378.51	
		For Vinylester Resin, Add	*244.72*	
		For Epoxy Resin, Add	*28.84*	
		For Up To >10, Add	*261.53*	
		For >10 To 25, Add	*159.68*	
		For >25 To 50, Add	*113.29*	
		For >50 To 100, Add	*56.64*	
		For >500 To 1,000, Deduct	*-19.65*	
		For >1,000 To 2,000, Deduct	*-29.83*	
		For >2,000 To 5,000, Deduct	*-49.18*	
		For >5,000, Deduct	*-81.48*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	441.16	
		For Vinylester Resin, Add	*286.89*	
		For Epoxy Resin, Add	*33.81*	
		For Up To >10, Add	*298.88*	
		For >10 To 25, Add	*180.76*	
		For >25 To 50, Add	*128.95*	
		For >50 To 100, Add	*64.47*	
		For >500 To 1,000, Deduct	*-22.84*	
		For >1,000 To 2,000, Deduct	*-34.65*	
		For >2,000 To 5,000, Deduct	*-57.01*	
		For >5,000, Deduct	*-94.50*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	504.26	
		For Vinylester Resin, Add	*329.06*	
		For Epoxy Resin, Add	*38.78*	
		For Up To >10, Add	*337.58*	
		For >10 To 25, Add	*202.97*	
		For >25 To 50, Add	*145.29*	
		For >50 To 100, Add	*72.64*	
		For >500 To 1,000, Deduct	*-26.07*	
		For >1,000 To 2,000, Deduct	*-39.53*	
		For >2,000 To 5,000, Deduct	*-64.95*	
		For >5,000, Deduct	*-107.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	567.96	
		For Vinylester Resin, Add	*371.22*	
		For Epoxy Resin, Add	*43.75*	
		For Up To >10, Add	*378.08*	
		For >10 To 25, Add	*226.68*	
		For >25 To 50, Add	*162.52*	
		For >50 To 100, Add	*81.26*	
		For >500 To 1,000, Deduct	*-29.34*	
		For >1,000 To 2,000, Deduct	*-44.48*	
		For >2,000 To 5,000, Deduct	*-73.05*	
		For >5,000, Deduct	*-121.12*	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	632.43	
		For Vinylester Resin, Add	*413.40*	
		For Epoxy Resin, Add	*48.72*	
		For Up To >10, Add	*420.87*	
		For >10 To 25, Add	*252.29*	
		For >25 To 50, Add	*180.90*	
		For >50 To 100, Add	*90.45*	
		For >500 To 1,000, Deduct	*-32.67*	
		For >1,000 To 2,000, Deduct	*-49.53*	
		For >2,000 To 5,000, Deduct	*-81.33*	
		For >5,000, Deduct	*-134.86*	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	758.18	
		For Vinylester Resin, Add	*497.74*	
		For Epoxy Resin, Add	*58.66*	
		For Up To >10, Add	*496.92*	
		For >10 To 25, Add	*295.59*	
		For >25 To 50, Add	*212.91*	
		For >50 To 100, Add	*106.45*	
		For >500 To 1,000, Deduct	*-39.09*	
		For >1,000 To 2,000, Deduct	*-59.22*	
		For >2,000 To 5,000, Deduct	*-97.11*	
		For >5,000, Deduct	*-161.06*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	885.29	
		For Vinylester Resin, Add	*582.08*	
		For Epoxy Resin, Add	*68.60*	
		For Up To >10, Add	*577.02*	
		For >10 To 25, Add	*342.26*	
		For >25 To 50, Add	*246.93*	
		For >50 To 100, Add	*123.47*	
		For >500 To 1,000, Deduct	*-45.61*	
		For >1,000 To 2,000, Deduct	*-69.08*	
		For >2,000 To 5,000, Deduct	*-113.22*	
		For >5,000, Deduct	*-187.81*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,014.81	
		For Vinylester Resin, Add	*666.41*	
		For Epoxy Resin, Add	*78.54*	
		For Up To >10, Add	*664.38*	
		For >10 To 25, Add	*394.98*	
		For >25 To 50, Add	*284.59*	
		For >50 To 100, Add	*142.29*	
		For >500 To 1,000, Deduct	*-52.31*	
		For >1,000 To 2,000, Deduct	*-79.25*	
		For >2,000 To 5,000, Deduct	*-129.94*	
		For >5,000, Deduct	*-215.52*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	412.16	
		For Vinylester Resin, Add	*268.28*	
		For Epoxy Resin, Add	*31.62*	
		For Up To >10, Add	*278.36*	
		For >10 To 25, Add	*168.09*	
		For >25 To 50, Add	*120.02*	
		For >50 To 100, Add	*60.01*	
		For >500 To 1,000, Deduct	*-21.33*	
		For >1,000 To 2,000, Deduct	*-32.36*	
		For >2,000 To 5,000, Deduct	*-53.22*	
		For >5,000, Deduct	*-88.21*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	480.84	
		For Vinylester Resin, Add	*314.66*	
		For Epoxy Resin, Add	*37.09*	
		For Up To >10, Add	*318.72*	
		For >10 To 25, Add	*190.68*	
		For >25 To 50, Add	*136.88*	
		For >50 To 100, Add	*68.44*	
		For >500 To 1,000, Deduct	*-24.83*	
		For >1,000 To 2,000, Deduct	*-37.63*	
		For >2,000 To 5,000, Deduct	*-61.77*	
		For >5,000, Deduct	*-102.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	549.96	
		For Vinylester Resin, Add	*361.05*	
		For Epoxy Resin, Add	*42.55*	
		For Up To >10, Add	*360.43*	
		For >10 To 25, Add	*214.40*	
		For >25 To 50, Add	*154.43*	
		For >50 To 100, Add	*77.21*	
		For >500 To 1,000, Deduct	*-28.35*	
		For >1,000 To 2,000, Deduct	*-42.96*	
		For >2,000 To 5,000, Deduct	*-70.44*	
		For >5,000, Deduct	*-116.83*	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	619.69	
		For Vinylester Resin, Add	*407.44*	
		For Epoxy Resin, Add	*48.02*	
		For Up To >10, Add	*403.95*	
		For >10 To 25, Add	*239.61*	
		For >25 To 50, Add	*172.87*	
		For >50 To 100, Add	*86.44*	
		For >500 To 1,000, Deduct	*-31.93*	
		For >1,000 To 2,000, Deduct	*-48.36*	
		For >2,000 To 5,000, Deduct	*-79.26*	
		For >5,000, Deduct	*-131.47*	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	690.18	
		For Vinylester Resin, Add	*453.82*	
		For Epoxy Resin, Add	*53.49*	
		For Up To >10, Add	*449.74*	
		For >10 To 25, Add	*266.73*	
		For >25 To 50, Add	*192.45*	
		For >50 To 100, Add	*96.23*	
		For >500 To 1,000, Deduct	*-35.56*	
		For >1,000 To 2,000, Deduct	*-53.86*	
		For >2,000 To 5,000, Deduct	*-88.26*	
		For >5,000, Deduct	*-146.41*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	827.99	
		For Vinylester Resin, Add	*546.60*	
		For Epoxy Resin, Add	*64.42*	
		For Up To >10, Add	*531.82*	
		For >10 To 25, Add	*313.04*	
		For >25 To 50, Add	*226.87*	
		For >50 To 100, Add	*113.43*	
		For >500 To 1,000, Deduct	*-42.58*	
		For >1,000 To 2,000, Deduct	*-64.46*	
		For >2,000 To 5,000, Deduct	*-105.49*	
		For >5,000, Deduct	*-175.02*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	967.13	
		For Vinylester Resin, Add	*639.37*	
		For Epoxy Resin, Add	*75.35*	
		For Up To >10, Add	*617.94*	
		For >10 To 25, Add	*362.72*	
		For >25 To 50, Add	*263.30*	
		For >50 To 100, Add	*131.65*	
		For >500 To 1,000, Deduct	*-49.70*	
		For >1,000 To 2,000, Deduct	*-75.22*	
		For >2,000 To 5,000, Deduct	*-123.04*	
		For >5,000, Deduct	*-204.18*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,108.71	
		For Vinylester Resin, Add	*732.14*	
		For Epoxy Resin, Add	*86.29*	
		For Up To >10, Add	*711.33*	
		For >10 To 25, Add	*418.46*	
		For >25 To 50, Add	*303.37*	
		For >50 To 100, Add	*151.68*	
		For >500 To 1,000, Deduct	*-57.01*	
		For >1,000 To 2,000, Deduct	*-86.29*	
		For >2,000 To 5,000, Deduct	*-141.21*	
		For >5,000, Deduct	*-234.30*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,249.23	
		For Vinylester Resin, Add	*824.92*	
		For Epoxy Resin, Add	*97.22*	
		For Up To >10, Add	*801.54*	
		For >10 To 25, Add	*471.54*	
		For >25 To 50, Add	*341.85*	
		For >50 To 100, Add	*170.92*	
		For >500 To 1,000, Deduct	*-64.23*	
		For >1,000 To 2,000, Deduct	*-97.23*	
		For >2,000 To 5,000, Deduct	*-159.11*	
		For >5,000, Deduct	*-264.00*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	446.34	
		For Vinylester Resin, Add	*291.67*	
		For Epoxy Resin, Add	*34.38*	
		For Up To >10, Add	*297.35*	
		For >10 To 25, Add	*178.34*	
		For >25 To 50, Add	*127.84*	
		For >50 To 100, Add	*63.92*	
		For >500 To 1,000, Deduct	*-23.06*	
		For >1,000 To 2,000, Deduct	*-34.96*	
		For >2,000 To 5,000, Deduct	*-57.42*	
		For >5,000, Deduct	*-95.20*	
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	521.19	
		For Vinylester Resin, Add	*342.27*	
		For Epoxy Resin, Add	*40.34*	
		For Up To >10, Add	*341.17*	
		For >10 To 25, Add	*202.82*	
		For >25 To 50, Add	*146.14*	
		For >50 To 100, Add	*73.07*	
		For >500 To 1,000, Deduct	*-26.87*	
		For >1,000 To 2,000, Deduct	*-40.70*	
		For >2,000 To 5,000, Deduct	*-66.73*	
		For >5,000, Deduct	*-110.68*	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	596.33	
		For Vinylester Resin, Add	*392.88*	
		For Epoxy Resin, Add	*46.30*	
		For Up To >10, Add	*385.87*	
		For >10 To 25, Add	*228.01*	
		For >25 To 50, Add	*164.87*	
		For >50 To 100, Add	*82.44*	
		For >500 To 1,000, Deduct	*-30.69*	
		For >1,000 To 2,000, Deduct	*-46.48*	
		For >2,000 To 5,000, Deduct	*-76.12*	
		For >5,000, Deduct	*-126.28*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	672.25	
		For Vinylester Resin, Add	*443.49*	
		For Epoxy Resin, Add	*52.27*	
		For Up To >10, Add	*432.88*	
		For >10 To 25, Add	*255.14*	
		For >25 To 50, Add	*184.76*	
		For >50 To 100, Add	*92.38*	
		For >500 To 1,000, Deduct	*-34.58*	
		For >1,000 To 2,000, Deduct	*-52.35*	
		For >2,000 To 5,000, Deduct	*-85.70*	
		For >5,000, Deduct	*-142.19*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	748.75	
		For Vinylester Resin, Add	*494.08*	
		For Epoxy Resin, Add	*58.23*	
		For Up To >10, Add	*481.68*	
		For >10 To 25, Add	*283.76*	
		For >25 To 50, Add	*205.55*	
		For >50 To 100, Add	*102.77*	
		For >500 To 1,000, Deduct	*-38.51*	
		For >1,000 To 2,000, Deduct	*-58.30*	
		For >2,000 To 5,000, Deduct	*-95.43*	
		For >5,000, Deduct	*-158.33*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	899.81	
		For Vinylester Resin, Add	*595.29*	
		For Epoxy Resin, Add	*70.16*	
		For Up To >10, Add	*573.38*	
		For >10 To 25, Add	*336.08*	
		For >25 To 50, Add	*244.17*	
		For >50 To 100, Add	*122.08*	
		For >500 To 1,000, Deduct	*-46.23*	
		For >1,000 To 2,000, Deduct	*-69.96*	
		For >2,000 To 5,000, Deduct	*-114.40*	
		For >5,000, Deduct	*-189.84*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,051.46	
		For Vinylester Resin, Add	*696.50*	
		For Epoxy Resin, Add	*82.09*	
		For Up To >10, Add	*666.88*	
		For >10 To 25, Add	*389.90*	
		For >25 To 50, Add	*283.69*	
		For >50 To 100, Add	*141.85*	
		For >500 To 1,000, Deduct	*-53.98*	
		For >1,000 To 2,000, Deduct	*-81.68*	
		For >2,000 To 5,000, Deduct	*-133.52*	
		For >5,000, Deduct	*-221.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,205.53	
		For Vinylester Resin, Add	*797.71*	
		For Epoxy Resin, Add	*94.02*	
		For Up To >10, Add	*767.64*	
		For >10 To 25, Add	*449.77*	
		For >25 To 50, Add	*326.84*	
		For >50 To 100, Add	*163.42*	
		For >500 To 1,000, Deduct	*-61.93*	
		For >1,000 To 2,000, Deduct	*-93.71*	
		For >2,000 To 5,000, Deduct	*-153.24*	
		For >5,000, Deduct	*-254.30*	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,358.55	
		For Vinylester Resin, Add	*898.92*	
		For Epoxy Resin, Add	*105.94*	
		For Up To >10, Add	*865.23*	
		For >10 To 25, Add	*506.99*	
		For >25 To 50, Add	*368.40*	
		For >50 To 100, Add	*184.20*	
		For >500 To 1,000, Deduct	*-69.79*	
		For >1,000 To 2,000, Deduct	*-105.61*	
		For >2,000 To 5,000, Deduct	*-172.70*	
		For >5,000, Deduct	*-286.59*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,511.41	
		For Vinylester Resin, Add	*1,000.12*	
		For Epoxy Resin, Add	*117.87*	
		For Up To >10, Add	*962.38*	
		For >10 To 25, Add	*563.86*	
		For >25 To 50, Add	*409.75*	
		For >50 To 100, Add	*204.88*	
		For >500 To 1,000, Deduct	*-77.64*	
		For >1,000 To 2,000, Deduct	*-117.49*	
		For >2,000 To 5,000, Deduct	*-192.12*	
		For >5,000, Deduct	*-318.82*	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,664.88	
		For Vinylester Resin, Add	*1,101.33*	
		For Epoxy Resin, Add	*129.80*	
		For Up To >10, Add	*1,061.32*	
		For >10 To 25, Add	*622.21*	
		For >25 To 50, Add	*451.99*	
		For >50 To 100, Add	*226.00*	
		For >500 To 1,000, Deduct	*-85.53*	
		For >1,000 To 2,000, Deduct	*-129.44*	
		For >2,000 To 5,000, Deduct	*-211.69*	
		For >5,000, Deduct	*-351.29*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,817.89	
		For Vinylester Resin, Add	*1,202.54*	
		For Epoxy Resin, Add	*141.73*	
		For Up To >10, Add	*1,158.90*	
		For >10 To 25, Add	*679.43*	
		For >25 To 50, Add	*493.55*	
		For >50 To 100, Add	*246.78*	
		For >500 To 1,000, Deduct	*-93.39*	
		For >1,000 To 2,000, Deduct	*-141.34*	
		For >2,000 To 5,000, Deduct	*-231.14*	
		For >5,000, Deduct	*-383.57*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	480.72	
		For Vinylester Resin, Add	*314.90*	
		For Epoxy Resin, Add	*37.11*	
		For Up To >10, Add	*317.54*	
		For >10 To 25, Add	*189.64*	
		For >25 To 50, Add	*136.28*	
		For >50 To 100, Add	*68.14*	
		For >500 To 1,000, Deduct	*-24.81*	
		For >1,000 To 2,000, Deduct	*-37.60*	
		For >2,000 To 5,000, Deduct	*-61.70*	
		For >5,000, Deduct	*-102.32*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	561.60	
		For Vinylester Resin, Add	*369.72*	
		For Epoxy Resin, Add	*43.57*	
		For Up To >10, Add	*364.38*	
		For >10 To 25, Add	*215.62*	
		For >25 To 50, Add	*155.78*	
		For >50 To 100, Add	*77.89*	
		For >500 To 1,000, Deduct	*-28.92*	
		For >1,000 To 2,000, Deduct	*-43.79*	
		For >2,000 To 5,000, Deduct	*-71.74*	
		For >5,000, Deduct	*-119.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	642.92	
		For Vinylester Resin, Add	*424.54*	
		For Epoxy Resin, Add	*50.03*	
		For Up To >10, Add	*412.56*	
		For >10 To 25, Add	*242.72*	
		For >25 To 50, Add	*175.96*	
		For >50 To 100, Add	*87.98*	
		For >500 To 1,000, Deduct	*-33.06*	
		For >1,000 To 2,000, Deduct	*-50.04*	
		For >2,000 To 5,000, Deduct	*-81.89*	
		For >5,000, Deduct	*-135.87*	
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	724.55	
		For Vinylester Resin, Add	*479.36*	
		For Epoxy Resin, Add	*56.50*	
		For Up To >10, Add	*461.65*	
		For >10 To 25, Add	*270.58*	
		For >25 To 50, Add	*196.59*	
		For >50 To 100, Add	*98.29*	
		For >500 To 1,000, Deduct	*-37.22*	
		For >1,000 To 2,000, Deduct	*-56.33*	
		For >2,000 To 5,000, Deduct	*-92.11*	
		For >5,000, Deduct	*-152.86*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	807.38	
		For Vinylester Resin, Add	*534.18*	
		For Epoxy Resin, Add	*62.96*	
		For Up To >10, Add	*514.37*	
		For >10 To 25, Add	*301.45*	
		For >25 To 50, Add	*219.03*	
		For >50 To 100, Add	*109.51*	
		For >500 To 1,000, Deduct	*-41.48*	
		For >1,000 To 2,000, Deduct	*-62.77*	
		For >2,000 To 5,000, Deduct	*-102.64*	
		For >5,000, Deduct	*-170.33*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	971.84	
		For Vinylester Resin, Add	*643.82*	
		For Epoxy Resin, Add	*75.88*	
		For Up To >10, Add	*616.17*	
		For >10 To 25, Add	*360.19*	
		For >25 To 50, Add	*262.10*	
		For >50 To 100, Add	*131.05*	
		For >500 To 1,000, Deduct	*-49.89*	
		For >1,000 To 2,000, Deduct	*-75.49*	
		For >2,000 To 5,000, Deduct	*-123.39*	
		For >5,000, Deduct	*-204.79*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,136.75	
		For Vinylester Resin, Add	*753.46*	
		For Epoxy Resin, Add	*88.80*	
		For Up To >10, Add	*719.33*	
		For >10 To 25, Add	*420.04*	
		For >25 To 50, Add	*305.84*	
		For >50 To 100, Add	*152.92*	
		For >500 To 1,000, Deduct	*-58.35*	
		For >1,000 To 2,000, Deduct	*-88.28*	
		For >2,000 To 5,000, Deduct	*-144.26*	
		For >5,000, Deduct	*-239.43*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,302.72	
		For Vinylester Resin, Add	*863.11*	
		For Epoxy Resin, Add	*101.72*	
		For Up To >10, Add	*825.64*	
		For >10 To 25, Add	*482.53*	
		For >25 To 50, Add	*351.17*	
		For >50 To 100, Add	*175.58*	
		For >500 To 1,000, Deduct	*-66.88*	
		For >1,000 To 2,000, Deduct	*-101.19*	
		For >2,000 To 5,000, Deduct	*-165.39*	
		For >5,000, Deduct	*-274.49*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,468.23	
		For Vinylester Resin, Add	*972.74*	
		For Epoxy Resin, Add	*114.64*	
		For Up To >10, Add	*930.62*	
		For >10 To 25, Add	*543.91*	
		For >25 To 50, Add	*395.83*	
		For >50 To 100, Add	*197.91*	
		For >500 To 1,000, Deduct	*-75.38*	
		For >1,000 To 2,000, Deduct	*-114.05*	
		For >2,000 To 5,000, Deduct	*-186.41*	
		For >5,000, Deduct	*-309.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,633.75	
		For Vinylester Resin, Add	*1,082.38*	
		For Epoxy Resin, Add	*127.57*	
		For Up To >10, Add	*1,035.60*	
		For >10 To 25, Add	*605.29*	
		For >25 To 50, Add	*440.49*	
		For >50 To 100, Add	*220.24*	
		For >500 To 1,000, Deduct	*-83.87*	
		For >1,000 To 2,000, Deduct	*-126.91*	
		For >2,000 To 5,000, Deduct	*-207.42*	
		For >5,000, Deduct	*-344.25*	
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,801.08	
		For Vinylester Resin, Add	*1,192.03*	
		For Epoxy Resin, Add	*140.49*	
		For Up To >10, Add	*1,145.99*	
		For >10 To 25, Add	*671.18*	
		For >25 To 50, Add	*487.85*	
		For >50 To 100, Add	*243.93*	
		For >500 To 1,000, Deduct	*-92.51*	
		For >1,000 To 2,000, Deduct	*-139.99*	
		For >2,000 To 5,000, Deduct	*-228.89*	
		For >5,000, Deduct	*-379.85*	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,966.72	
		For Vinylester Resin, Add	*1,301.66*	
		For Epoxy Resin, Add	*153.41*	
		For Up To >10, Add	*1,251.36*	
		For >10 To 25, Add	*732.88*	
		For >25 To 50, Add	*532.70*	
		For >50 To 100, Add	*266.35*	
		For >500 To 1,000, Deduct	*-101.02*	
		For >1,000 To 2,000, Deduct	*-152.86*	
		For >2,000 To 5,000, Deduct	*-249.94*	
		For >5,000, Deduct	*-414.78*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	514.71	
		For Vinylester Resin, Add	*337.95*	
		For Epoxy Resin, Add	*39.83*	
		For Up To >10, Add	*337.16*	
		For >10 To 25, Add	*200.50*	
		For >25 To 50, Add	*144.44*	
		For >50 To 100, Add	*72.22*	
		For >500 To 1,000, Deduct	*-26.53*	
		For >1,000 To 2,000, Deduct	*-40.20*	
		For >2,000 To 5,000, Deduct	*-65.91*	
		For >5,000, Deduct	*-109.33*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	601.76	
		For Vinylester Resin, Add	*396.99*	
		For Epoxy Resin, Add	*46.79*	
		For Up To >10, Add	*387.46*	
		For >10 To 25, Add	*228.36*	
		For >25 To 50, Add	*165.37*	
		For >50 To 100, Add	*82.69*	
		For >500 To 1,000, Deduct	*-30.95*	
		For >1,000 To 2,000, Deduct	*-46.86*	
		For >2,000 To 5,000, Deduct	*-76.71*	
		For >5,000, Deduct	*-127.28*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	689.28	
		For Vinylester Resin, Add	*456.04*	
		For Epoxy Resin, Add	*53.75*	
		For Up To >10, Add	*439.14*	
		For >10 To 25, Add	*257.37*	
		For >25 To 50, Add	*187.00*	
		For >50 To 100, Add	*93.50*	
		For >500 To 1,000, Deduct	*-35.41*	
		For >1,000 To 2,000, Deduct	*-53.59*	
		For >2,000 To 5,000, Deduct	*-87.63*	
		For >5,000, Deduct	*-145.42*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	776.62	
		For Vinylester Resin, Add	*515.07*	
		For Epoxy Resin, Add	*60.70*	
		For Up To >10, Add	*490.34*	
		For >10 To 25, Add	*285.98*	
		For >25 To 50, Add	*208.38*	
		For >50 To 100, Add	*104.19*	
		For >500 To 1,000, Deduct	*-39.85*	
		For >1,000 To 2,000, Deduct	*-60.29*	
		For >2,000 To 5,000, Deduct	*-98.50*	
		For >5,000, Deduct	*-163.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	865.64	
		For Vinylester Resin, Add	*574.11*	
		For Epoxy Resin, Add	*67.66*	
		For Up To >10, Add	*546.52*	
		For >10 To 25, Add	*318.74*	
		For >25 To 50, Add	*232.25*	
		For >50 To 100, Add	*116.13*	
		For >500 To 1,000, Deduct	*-44.42*	
		For >1,000 To 2,000, Deduct	*-67.20*	
		For >2,000 To 5,000, Deduct	*-109.79*	
		For >5,000, Deduct	*-182.22*	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,043.64	
		For Vinylester Resin, Add	*692.18*	
		For Epoxy Resin, Add	*81.58*	
		For Up To >10, Add	*658.85*	
		For >10 To 25, Add	*384.23*	
		For >25 To 50, Add	*279.98*	
		For >50 To 100, Add	*139.99*	
		For >500 To 1,000, Deduct	*-53.55*	
		For >1,000 To 2,000, Deduct	*-81.01*	
		For >2,000 To 5,000, Deduct	*-132.36*	
		For >5,000, Deduct	*-219.69*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,221.65	
		For Vinylester Resin, Add	*810.26*	
		For Epoxy Resin, Add	*95.49*	
		For Up To >10, Add	*771.18*	
		For >10 To 25, Add	*449.73*	
		For >25 To 50, Add	*327.71*	
		For >50 To 100, Add	*163.86*	
		For >500 To 1,000, Deduct	*-62.69*	
		For >1,000 To 2,000, Deduct	*-94.83*	
		For >2,000 To 5,000, Deduct	*-154.94*	
		For >5,000, Deduct	*-257.16*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,399.67	
		For Vinylester Resin, Add	*928.33*	
		For Epoxy Resin, Add	*109.41*	
		For Up To >10, Add	*883.54*	
		For >10 To 25, Add	*515.25*	
		For >25 To 50, Add	*375.46*	
		For >50 To 100, Add	*187.73*	
		For >500 To 1,000, Deduct	*-71.82*	
		For >1,000 To 2,000, Deduct	*-108.65*	
		For >2,000 To 5,000, Deduct	*-177.51*	
		For >5,000, Deduct	*-294.63*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,577.68	
		For Vinylester Resin, Add	*1,046.41*	
		For Epoxy Resin, Add	*123.33*	
		For Up To >10, Add	*995.87*	
		For >10 To 25, Add	*580.74*	
		For >25 To 50, Add	*423.19*	
		For >50 To 100, Add	*211.59*	
		For >500 To 1,000, Deduct	*-80.95*	
		For >1,000 To 2,000, Deduct	*-122.47*	
		For >2,000 To 5,000, Deduct	*-200.09*	
		For >5,000, Deduct	*-332.10*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,755.70	
		For Vinylester Resin, Add	*1,164.49*	
		For Epoxy Resin, Add	*137.24*	
		For Up To >10, Add	*1,108.23*	
		For >10 To 25, Add	*646.26*	
		For >25 To 50, Add	*470.94*	
		For >50 To 100, Add	*235.47*	
		For >500 To 1,000, Deduct	*-90.09*	
		For >1,000 To 2,000, Deduct	*-136.29*	
		For >2,000 To 5,000, Deduct	*-222.66*	
		For >5,000, Deduct	*-369.57*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,937.03	
		For Vinylester Resin, Add	*1,282.56*	
		For Epoxy Resin, Add	*151.16*	
		For Up To >10, Add	*1,230.52*	
		For >10 To 25, Add	*720.06*	
		For >25 To 50, Add	*523.65*	
		For >50 To 100, Add	*261.82*	
		For >500 To 1,000, Deduct	*-99.47*	
		For >1,000 To 2,000, Deduct	*-150.52*	
		For >2,000 To 5,000, Deduct	*-246.07*	
		For >5,000, Deduct	*-408.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,115.35	
		For Vinylester Resin, Add	*1,400.64*	
		For Epoxy Resin, Add	*165.08*	
		For Up To >10, Add	*1,343.78*	
		For >10 To 25, Add	*786.33*	
		For >25 To 50, Add	*571.84*	
		For >50 To 100, Add	*285.92*	
		For >500 To 1,000, Deduct	*-108.63*	
		For >1,000 To 2,000, Deduct	*-164.37*	
		For >2,000 To 5,000, Deduct	*-268.72*	
		For >5,000, Deduct	*-445.96*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	548.32	
		For Vinylester Resin, Add	*360.85*	
		For Epoxy Resin, Add	*42.53*	
		For Up To >10, Add	*356.21*	
		For >10 To 25, Add	*210.93*	
		For >25 To 50, Add	*152.33*	
		For >50 To 100, Add	*76.17*	
		For >500 To 1,000, Deduct	*-28.24*	
		For >1,000 To 2,000, Deduct	*-42.77*	
		For >2,000 To 5,000, Deduct	*-70.07*	
		For >5,000, Deduct	*-116.23*	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	641.40	
		For Vinylester Resin, Add	*424.10*	
		For Epoxy Resin, Add	*49.98*	
		For Up To >10, Add	*409.55*	
		For >10 To 25, Add	*240.32*	
		For >25 To 50, Add	*174.48*	
		For >50 To 100, Add	*87.24*	
		For >500 To 1,000, Deduct	*-32.96*	
		For >1,000 To 2,000, Deduct	*-49.88*	
		For >2,000 To 5,000, Deduct	*-81.59*	
		For >5,000, Deduct	*-135.39*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	735.38	
		For Vinylester Resin, Add	*487.36*	
		For Epoxy Resin, Add	*57.44*	
		For Up To >10, Add	*465.57*	
		For >10 To 25, Add	*271.93*	
		For >25 To 50, Add	*197.97*	
		For >50 To 100, Add	*98.99*	
		For >500 To 1,000, Deduct	*-37.75*	
		For >1,000 To 2,000, Deduct	*-57.11*	
		For >2,000 To 5,000, Deduct	*-93.34*	
		For >5,000, Deduct	*-154.91*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	829.80	
		For Vinylester Resin, Add	*550.61*	
		For Epoxy Resin, Add	*64.89*	
		For Up To >10, Add	*522.93*	
		For >10 To 25, Add	*304.67*	
		For >25 To 50, Add	*222.13*	
		For >50 To 100, Add	*111.07*	
		For >500 To 1,000, Deduct	*-42.57*	
		For >1,000 To 2,000, Deduct	*-64.40*	
		For >2,000 To 5,000, Deduct	*-105.19*	
		For >5,000, Deduct	*-174.60*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	925.13	
		For Vinylester Resin, Add	*613.87*	
		For Epoxy Resin, Add	*72.35*	
		For Up To >10, Add	*583.02*	
		For >10 To 25, Add	*339.69*	
		For >25 To 50, Add	*247.66*	
		For >50 To 100, Add	*123.83*	
		For >500 To 1,000, Deduct	*-47.46*	
		For >1,000 To 2,000, Deduct	*-71.79*	
		For >2,000 To 5,000, Deduct	*-117.28*	
		For >5,000, Deduct	*-194.66*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,115.80	
		For Vinylester Resin, Add	*740.38*	
		For Epoxy Resin, Add	*87.26*	
		For Up To >10, Add	*703.20*	
		For >10 To 25, Add	*409.72*	
		For >25 To 50, Add	*298.72*	
		For >50 To 100, Add	*149.36*	
		For >500 To 1,000, Deduct	*-57.24*	
		For >1,000 To 2,000, Deduct	*-86.59*	
		For >2,000 To 5,000, Deduct	*-141.45*	
		For >5,000, Deduct	*-234.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,306.47	
		For Vinylester Resin, Add	*866.89*	
		For Epoxy Resin, Add	*102.17*	
		For Up To >10, Add	*823.39*	
		For >10 To 25, Add	*479.75*	
		For >25 To 50, Add	*349.77*	
		For >50 To 100, Add	*174.89*	
		For >500 To 1,000, Deduct	*-67.03*	
		For >1,000 To 2,000, Deduct	*-101.39*	
		For >2,000 To 5,000, Deduct	*-165.62*	
		For >5,000, Deduct	*-274.91*	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,497.14	
		For Vinylester Resin, Add	*993.40*	
		For Epoxy Resin, Add	*117.08*	
		For Up To >10, Add	*943.57*	
		For >10 To 25, Add	*549.79*	
		For >25 To 50, Add	*400.83*	
		For >50 To 100, Add	*200.41*	
		For >500 To 1,000, Deduct	*-76.81*	
		For >1,000 To 2,000, Deduct	*-116.19*	
		For >2,000 To 5,000, Deduct	*-189.80*	
		For >5,000, Deduct	*-315.03*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,687.81	
		For Vinylester Resin, Add	*1,119.91*	
		For Epoxy Resin, Add	*131.99*	
		For Up To >10, Add	*1,063.76*	
		For >10 To 25, Add	*619.82*	
		For >25 To 50, Add	*451.88*	
		For >50 To 100, Add	*225.94*	
		For >500 To 1,000, Deduct	*-86.59*	
		For >1,000 To 2,000, Deduct	*-130.98*	
		For >2,000 To 5,000, Deduct	*-213.97*	
		For >5,000, Deduct	*-355.15*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,878.46	
		For Vinylester Resin, Add	*1,246.41*	
		For Epoxy Resin, Add	*146.90*	
		For Up To >10, Add	*1,183.91*	
		For >10 To 25, Add	*689.82*	
		For >25 To 50, Add	*502.92*	
		For >50 To 100, Add	*251.46*	
		For >500 To 1,000, Deduct	*-96.37*	
		For >1,000 To 2,000, Deduct	*-145.78*	
		For >2,000 To 5,000, Deduct	*-238.14*	
		For >5,000, Deduct	*-395.27*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,072.59	
		For Vinylester Resin, Add	*1,372.92*	
		For Epoxy Resin, Add	*161.81*	
		For Up To >10, Add	*1,314.47*	
		For >10 To 25, Add	*768.51*	
		For >25 To 50, Add	*559.17*	
		For >50 To 100, Add	*279.58*	
		For >500 To 1,000, Deduct	*-106.41*	
		For >1,000 To 2,000, Deduct	*-161.01*	
		For >2,000 To 5,000, Deduct	*-263.18*	
		For >5,000, Deduct	*-436.77*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,263.56	
		For Vinylester Resin, Add	*1,499.44*	
		For Epoxy Resin, Add	*176.72*	
		For Up To >10, Add	*1,435.56*	
		For >10 To 25, Add	*839.29*	
		For >25 To 50, Add	*610.68*	
		For >50 To 100, Add	*305.34*	
		For >500 To 1,000, Deduct	*-116.22*	
		For >1,000 To 2,000, Deduct	*-175.84*	
		For >2,000 To 5,000, Deduct	*-287.42*	
		For >5,000, Deduct	*-477.01*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	581.55	
		For Vinylester Resin, Add	*383.58*	
		For Epoxy Resin, Add	*45.21*	
		For Up To >10, Add	*374.73*	
		For >10 To 25, Add	*220.94*	
		For >25 To 50, Add	*159.96*	
		For >50 To 100, Add	*79.98*	
		For >500 To 1,000, Deduct	*-29.92*	
		For >1,000 To 2,000, Deduct	*-45.30*	
		For >2,000 To 5,000, Deduct	*-74.15*	
		For >5,000, Deduct	*-123.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	680.65	
		For Vinylester Resin, Add	*451.05*	
		For Epoxy Resin, Add	*53.16*	
		For Up To >10, Add	*431.05*	
		For >10 To 25, Add	*251.82*	
		For >25 To 50, Add	*183.31*	
		For >50 To 100, Add	*91.65*	
		For >500 To 1,000, Deduct	*-34.94*	
		For >1,000 To 2,000, Deduct	*-52.86*	
		For >2,000 To 5,000, Deduct	*-86.40*	
		For >5,000, Deduct	*-143.39*	
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	781.11	
		For Vinylester Resin, Add	*518.53*	
		For Epoxy Resin, Add	*61.11*	
		For Up To >10, Add	*491.46*	
		For >10 To 25, Add	*286.09*	
		For >25 To 50, Add	*208.69*	
		For >50 To 100, Add	*104.35*	
		For >500 To 1,000, Deduct	*-40.06*	
		For >1,000 To 2,000, Deduct	*-60.60*	
		For >2,000 To 5,000, Deduct	*-98.98*	
		For >5,000, Deduct	*-164.29*	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	882.75	
		For Vinylester Resin, Add	*585.99*	
		For Epoxy Resin, Add	*69.06*	
		For Up To >10, Add	*555.43*	
		For >10 To 25, Add	*323.33*	
		For >25 To 50, Add	*235.86*	
		For >50 To 100, Add	*117.93*	
		For >500 To 1,000, Deduct	*-45.28*	
		For >1,000 To 2,000, Deduct	*-68.49*	
		For >2,000 To 5,000, Deduct	*-111.86*	
		For >5,000, Deduct	*-185.67*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	984.41	
		For Vinylester Resin, Add	*653.46*	
		For Epoxy Resin, Add	*77.02*	
		For Up To >10, Add	*619.43*	
		For >10 To 25, Add	*360.61*	
		For >25 To 50, Add	*263.04*	
		For >50 To 100, Add	*131.52*	
		For >500 To 1,000, Deduct	*-50.49*	
		For >1,000 To 2,000, Deduct	*-76.38*	
		For >2,000 To 5,000, Deduct	*-124.74*	
		For >5,000, Deduct	*-207.06*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,187.73	
		For Vinylester Resin, Add	*788.41*	
		For Epoxy Resin, Add	*92.92*	
		For Up To >10, Add	*747.44*	
		For >10 To 25, Add	*435.15*	
		For >25 To 50, Add	*317.41*	
		For >50 To 100, Add	*158.70*	
		For >500 To 1,000, Deduct	*-60.92*	
		For >1,000 To 2,000, Deduct	*-92.15*	
		For >2,000 To 5,000, Deduct	*-150.51*	
		For >5,000, Deduct	*-249.83*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,437.90	
		For Vinylester Resin, Add	*956.26*	
		For Epoxy Resin, Add	*112.70*	
		For Up To >10, Add	*898.50*	
		For >10 To 25, Add	*521.07*	
		For >25 To 50, Add	*380.95*	
		For >50 To 100, Add	*190.47*	
		For >500 To 1,000, Deduct	*-73.69*	
		For >1,000 To 2,000, Deduct	*-111.43*	
		For >2,000 To 5,000, Deduct	*-181.88*	
		For >5,000, Deduct	*-301.94*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,594.22	
		For Vinylester Resin, Add	*1,058.30*	
		For Epoxy Resin, Add	*124.73*	
		For Up To >10, Add	*1,003.04*	
		For >10 To 25, Add	*583.89*	
		For >25 To 50, Add	*425.93*	
		For >50 To 100, Add	*212.96*	
		For >500 To 1,000, Deduct	*-81.77*	
		For >1,000 To 2,000, Deduct	*-123.69*	
		For >2,000 To 5,000, Deduct	*-202.01*	
		For >5,000, Deduct	*-335.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,797.53	
		For Vinylester Resin, Add	*1,193.24*	
		For Epoxy Resin, Add	*140.63*	
		For Up To >10, Add	*1,131.02*	
		For >10 To 25, Add	*658.41*	
		For >25 To 50, Add	*480.28*	
		For >50 To 100, Add	*240.14*	
		For >500 To 1,000, Deduct	*-92.20*	
		For >1,000 To 2,000, Deduct	*-139.46*	
		For >2,000 To 5,000, Deduct	*-227.78*	
		For >5,000, Deduct	*-378.09*	
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,000.84	
		For Vinylester Resin, Add	*1,328.18*	
		For Epoxy Resin, Add	*156.54*	
		For Up To >10, Add	*1,259.02*	
		For >10 To 25, Add	*732.95*	
		For >25 To 50, Add	*534.64*	
		For >50 To 100, Add	*267.32*	
		For >500 To 1,000, Deduct	*-102.63*	
		For >1,000 To 2,000, Deduct	*-155.24*	
		For >2,000 To 5,000, Deduct	*-253.55*	
		For >5,000, Deduct	*-420.86*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,207.78	
		For Vinylester Resin, Add	*1,463.13*	
		For Epoxy Resin, Add	*172.44*	
		For Up To >10, Add	*1,397.89*	
		For >10 To 25, Add	*816.55*	
		For >25 To 50, Add	*594.44*	
		For >50 To 100, Add	*297.22*	
		For >500 To 1,000, Deduct	*-113.33*	
		For >1,000 To 2,000, Deduct	*-171.46*	
		For >2,000 To 5,000, Deduct	*-280.22*	
		For >5,000, Deduct	*-465.08*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,411.40	
		For Vinylester Resin, Add	*1,598.07*	
		For Epoxy Resin, Add	*188.34*	
		For Up To >10, Add	*1,526.80*	
		For >10 To 25, Add	*891.84*	
		For >25 To 50, Add	*649.25*	
		For >50 To 100, Add	*324.63*	
		For >500 To 1,000, Deduct	*-123.78*	
		For >1,000 To 2,000, Deduct	*-187.28*	
		For >2,000 To 5,000, Deduct	*-306.07*	
		For >5,000, Deduct	*-507.97*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,615.02	
		For Vinylester Resin, Add	*1,733.01*	
		For Epoxy Resin, Add	*204.25*	
		For Up To >10, Add	*1,655.74*	
		For >10 To 25, Add	*967.16*	
		For >25 To 50, Add	*704.08*	
		For >50 To 100, Add	*352.04*	
		For >500 To 1,000, Deduct	*-134.23*	
		For >1,000 To 2,000, Deduct	*-203.09*	
		For >2,000 To 5,000, Deduct	*-331.91*	
		For >5,000, Deduct	*-550.86*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,818.63	
		For Vinylester Resin, Add	*1,867.96*	
		For Epoxy Resin, Add	*220.15*	
		For Up To >10, Add	*1,784.62*	
		For >10 To 25, Add	*1,042.43*	
		For >25 To 50, Add	*758.88*	
		For >50 To 100, Add	*379.44*	
		For >500 To 1,000, Deduct	*-144.68*	
		For >1,000 To 2,000, Deduct	*-218.90*	
		For >2,000 To 5,000, Deduct	*-357.75*	
		For >5,000, Deduct	*-593.75*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	720.10	
		For Vinylester Resin, Add	*477.83*	
		For Epoxy Resin, Add	*56.32*	
		For Up To >10, Add	*453.78*	
		For >10 To 25, Add	*264.38*	
		For >25 To 50, Add	*192.76*	
		For >50 To 100, Add	*96.38*	
		For >500 To 1,000, Deduct	*-36.94*	
		For >1,000 To 2,000, Deduct	*-55.88*	
		For >2,000 To 5,000, Deduct	*-91.29*	
		For >5,000, Deduct	*-151.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	827.48	
		For Vinylester Resin, Add	*549.51*	
		For Epoxy Resin, Add	*64.76*	
		For Up To >10, Add	*519.89*	
		For >10 To 25, Add	*302.41*	
		For >25 To 50, Add	*220.69*	
		For >50 To 100, Add	*110.35*	
		For >500 To 1,000, Deduct	*-42.44*	
		For >1,000 To 2,000, Deduct	*-64.18*	
		For >2,000 To 5,000, Deduct	*-104.82*	
		For >5,000, Deduct	*-173.99*	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	935.48	
		For Vinylester Resin, Add	*621.21*	
		For Epoxy Resin, Add	*73.21*	
		For Up To >10, Add	*587.84*	
		For >10 To 25, Add	*341.96*	
		For >25 To 50, Add	*249.55*	
		For >50 To 100, Add	*124.77*	
		For >500 To 1,000, Deduct	*-47.98*	
		For >1,000 To 2,000, Deduct	*-72.56*	
		For >2,000 To 5,000, Deduct	*-118.50*	
		For >5,000, Deduct	*-196.70*	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,043.30	
		For Vinylester Resin, Add	*692.90*	
		For Epoxy Resin, Add	*81.66*	
		For Up To >10, Add	*655.28*	
		For >10 To 25, Add	*381.09*	
		For >25 To 50, Add	*278.15*	
		For >50 To 100, Add	*139.07*	
		For >500 To 1,000, Deduct	*-53.50*	
		For >1,000 To 2,000, Deduct	*-80.92*	
		For >2,000 To 5,000, Deduct	*-132.14*	
		For >5,000, Deduct	*-219.35*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,259.27	
		For Vinylester Resin, Add	*836.27*	
		For Epoxy Resin, Add	*98.56*	
		For Up To >10, Add	*791.14*	
		For >10 To 25, Add	*460.17*	
		For >25 To 50, Add	*335.83*	
		For >50 To 100, Add	*167.92*	
		For >500 To 1,000, Deduct	*-64.58*	
		For >1,000 To 2,000, Deduct	*-97.68*	
		For >2,000 To 5,000, Deduct	*-159.51*	
		For >5,000, Deduct	*-264.77*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,475.08	
		For Vinylester Resin, Add	*979.65*	
		For Epoxy Resin, Add	*115.46*	
		For Up To >10, Add	*926.49*	
		For >10 To 25, Add	*538.83*	
		For >25 To 50, Add	*393.27*	
		For >50 To 100, Add	*196.64*	
		For >500 To 1,000, Deduct	*-75.64*	
		For >1,000 To 2,000, Deduct	*-114.41*	
		For >2,000 To 5,000, Deduct	*-186.84*	
		For >5,000, Deduct	*-310.13*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,691.06	
		For Vinylester Resin, Add	*1,123.03*	
		For Epoxy Resin, Add	*132.36*	
		For Up To >10, Add	*1,062.36*	
		For >10 To 25, Add	*617.91*	
		For >25 To 50, Add	*450.96*	
		For >50 To 100, Add	*225.48*	
		For >500 To 1,000, Deduct	*-86.72*	
		For >1,000 To 2,000, Deduct	*-131.17*	
		For >2,000 To 5,000, Deduct	*-214.20*	
		For >5,000, Deduct	*-355.56*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,906.88	
		For Vinylester Resin, Add	*1,266.41*	
		For Epoxy Resin, Add	*149.25*	
		For Up To >10, Add	*1,197.77*	
		For >10 To 25, Add	*696.61*	
		For >25 To 50, Add	*508.43*	
		For >50 To 100, Add	*254.21*	
		For >500 To 1,000, Deduct	*-97.79*	
		For >1,000 To 2,000, Deduct	*-147.90*	
		For >2,000 To 5,000, Deduct	*-241.53*	
		For >5,000, Deduct	*-400.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,122.85	
		For Vinylester Resin, Add	*1,409.79*	
		For Epoxy Resin, Add	*166.15*	
		For Up To >10, Add	*1,333.60*	
		For >10 To 25, Add	*775.67*	
		For >25 To 50, Add	*566.10*	
		For >50 To 100, Add	*283.05*	
		For >500 To 1,000, Deduct	*-108.86*	
		For >1,000 To 2,000, Deduct	*-164.66*	
		For >2,000 To 5,000, Deduct	*-268.90*	
		For >5,000, Deduct	*-446.34*	
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,343.62	
		For Vinylester Resin, Add	*1,553.16*	
		For Epoxy Resin, Add	*183.05*	
		For Up To >10, Add	*1,483.86*	
		For >10 To 25, Add	*866.75*	
		For >25 To 50, Add	*630.99*	
		For >50 To 100, Add	*315.50*	
		For >500 To 1,000, Deduct	*-120.30*	
		For >1,000 To 2,000, Deduct	*-182.01*	
		For >2,000 To 5,000, Deduct	*-297.46*	
		For >5,000, Deduct	*-493.69*	
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,560.05	
		For Vinylester Resin, Add	*1,696.54*	
		For Epoxy Resin, Add	*199.95*	
		For Up To >10, Add	*1,621.08*	
		For >10 To 25, Add	*946.96*	
		For >25 To 50, Add	*689.36*	
		For >50 To 100, Add	*344.68*	
		For >500 To 1,000, Deduct	*-131.41*	
		For >1,000 To 2,000, Deduct	*-198.82*	
		For >2,000 To 5,000, Deduct	*-324.94*	
		For >5,000, Deduct	*-539.29*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,776.31	
		For Vinylester Resin, Add	*1,839.92*	
		For Epoxy Resin, Add	*216.85*	
		For Up To >10, Add	*1,757.81*	
		For >10 To 25, Add	*1,026.76*	
		For >25 To 50, Add	*747.48*	
		For >50 To 100, Add	*373.74*	
		For >500 To 1,000, Deduct	*-142.51*	
		For >1,000 To 2,000, Deduct	*-215.62*	
		For >2,000 To 5,000, Deduct	*-352.38*	
		For >5,000, Deduct	*-584.83*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,992.72	
		For Vinylester Resin, Add	*1,983.29*	
		For Epoxy Resin, Add	*233.74*	
		For Up To >10, Add	*1,894.99*	
		For >10 To 25, Add	*1,106.94*	
		For >25 To 50, Add	*805.83*	
		For >50 To 100, Add	*402.91*	
		For >500 To 1,000, Deduct	*-153.62*	
		For >1,000 To 2,000, Deduct	*-232.43*	
		For >2,000 To 5,000, Deduct	*-379.85*	
		For >5,000, Deduct	*-630.43*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	759.18	
		For Vinylester Resin, Add	*504.44*	
		For Epoxy Resin, Add	*59.45*	
		For Up To >10, Add	*475.97*	
		For >10 To 25, Add	*276.53*	
		For >25 To 50, Add	*201.95*	
		For >50 To 100, Add	*100.98*	
		For >500 To 1,000, Deduct	*-38.92*	
		For >1,000 To 2,000, Deduct	*-58.87*	
		For >2,000 To 5,000, Deduct	*-96.11*	
		For >5,000, Deduct	*-159.55*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	873.49	
		For Vinylester Resin, Add	*580.35*	
		For Epoxy Resin, Add	*68.40*	
		For Up To >10, Add	*547.80*	
		For >10 To 25, Add	*318.32*	
		For >25 To 50, Add	*232.44*	
		For >50 To 100, Add	*116.22*	
		For >500 To 1,000, Deduct	*-44.79*	
		For >1,000 To 2,000, Deduct	*-67.73*	
		For >2,000 To 5,000, Deduct	*-110.59*	
		For >5,000, Deduct	*-183.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	987.80	
		For Vinylester Resin, Add	*656.26*	
		For Epoxy Resin, Add	*77.34*	
		For Up To >10, Add	*619.63*	
		For >10 To 25, Add	*360.10*	
		For >25 To 50, Add	*262.94*	
		For >50 To 100, Add	*131.47*	
		For >500 To 1,000, Deduct	*-50.65*	
		For >1,000 To 2,000, Deduct	*-76.60*	
		For >2,000 To 5,000, Deduct	*-125.07*	
		For >5,000, Deduct	*-207.62*	
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,101.96	
		For Vinylester Resin, Add	*732.17*	
		For Epoxy Resin, Add	*86.29*	
		For Up To >10, Add	*691.01*	
		For >10 To 25, Add	*401.51*	
		For >25 To 50, Add	*293.21*	
		For >50 To 100, Add	*146.60*	
		For >500 To 1,000, Deduct	*-56.50*	
		For >1,000 To 2,000, Deduct	*-85.45*	
		For >2,000 To 5,000, Deduct	*-139.52*	
		For >5,000, Deduct	*-231.59*	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,330.43	
		For Vinylester Resin, Add	*883.97*	
		For Epoxy Resin, Add	*104.18*	
		For Up To >10, Add	*834.24*	
		For >10 To 25, Add	*484.73*	
		For >25 To 50, Add	*353.98*	
		For >50 To 100, Add	*176.99*	
		For >500 To 1,000, Deduct	*-68.21*	
		For >1,000 To 2,000, Deduct	*-103.16*	
		For >2,000 To 5,000, Deduct	*-168.44*	
		For >5,000, Deduct	*-279.61*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,559.05	
		For Vinylester Resin, Add	*1,035.78*	
		For Epoxy Resin, Add	*122.07*	
		For Up To >10, Add	*977.93*	
		For >10 To 25, Add	*568.32*	
		For >25 To 50, Add	*414.98*	
		For >50 To 100, Add	*207.49*	
		For >500 To 1,000, Deduct	*-79.94*	
		For >1,000 To 2,000, Deduct	*-120.90*	
		For >2,000 To 5,000, Deduct	*-197.40*	
		For >5,000, Deduct	*-327.68*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,787.51	
		For Vinylester Resin, Add	*1,187.60*	
		For Epoxy Resin, Add	*139.97*	
		For Up To >10, Add	*1,121.11*	
		For >10 To 25, Add	*651.49*	
		For >25 To 50, Add	*475.72*	
		For >50 To 100, Add	*237.86*	
		For >500 To 1,000, Deduct	*-91.65*	
		For >1,000 To 2,000, Deduct	*-138.61*	
		For >2,000 To 5,000, Deduct	*-226.32*	
		For >5,000, Deduct	*-375.69*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,015.98	
		For Vinylester Resin, Add	*1,339.41*	
		For Epoxy Resin, Add	*157.86*	
		For Up To >10, Add	*1,264.34*	
		For >10 To 25, Add	*734.71*	
		For >25 To 50, Add	*536.50*	
		For >50 To 100, Add	*268.25*	
		For >500 To 1,000, Deduct	*-103.36*	
		For >1,000 To 2,000, Deduct	*-156.33*	
		For >2,000 To 5,000, Deduct	*-255.25*	
		For >5,000, Deduct	*-423.70*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,244.44	
		For Vinylester Resin, Add	*1,491.22*	
		For Epoxy Resin, Add	*175.75*	
		For Up To >10, Add	*1,407.55*	
		For >10 To 25, Add	*817.90*	
		For >25 To 50, Add	*597.26*	
		For >50 To 100, Add	*298.63*	
		For >500 To 1,000, Deduct	*-115.08*	
		For >1,000 To 2,000, Deduct	*-174.04*	
		For >2,000 To 5,000, Deduct	*-284.17*	
		For >5,000, Deduct	*-471.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,479.24	
		For Vinylester Resin, Add	*1,643.03*	
		For Epoxy Resin, Add	*193.64*	
		For Up To >10, Add	*1,569.75*	
		For >10 To 25, Add	*916.92*	
		For >25 To 50, Add	*667.51*	
		For >50 To 100, Add	*333.76*	
		For >500 To 1,000, Deduct	*-127.26*	
		For >1,000 To 2,000, Deduct	*-192.55*	
		For >2,000 To 5,000, Deduct	*-314.68*	
		For >5,000, Deduct	*-522.26*	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,708.31	
		For Vinylester Resin, Add	*1,794.84*	
		For Epoxy Resin, Add	*211.53*	
		For Up To >10, Add	*1,714.78*	
		For >10 To 25, Add	*1,001.64*	
		For >25 To 50, Add	*729.19*	
		For >50 To 100, Add	*364.59*	
		For >500 To 1,000, Deduct	*-139.02*	
		For >1,000 To 2,000, Deduct	*-210.34*	
		For >2,000 To 5,000, Deduct	*-343.75*	
		For >5,000, Deduct	*-570.51*	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,937.37	
		For Vinylester Resin, Add	*1,946.65*	
		For Epoxy Resin, Add	*229.43*	
		For Up To >10, Add	*1,859.79*	
		For >10 To 25, Add	*1,086.33*	
		For >25 To 50, Add	*790.85*	
		For >50 To 100, Add	*395.42*	
		For >500 To 1,000, Deduct	*-150.78*	
		For >1,000 To 2,000, Deduct	*-228.12*	
		For >2,000 To 5,000, Deduct	*-372.82*	
		For >5,000, Deduct	*-618.76*	
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,166.44	
		For Vinylester Resin, Add	*2,098.46*	
		For Epoxy Resin, Add	*247.32*	
		For Up To >10, Add	*2,004.82*	
		For >10 To 25, Add	*1,171.05*	
		For >25 To 50, Add	*852.52*	
		For >50 To 100, Add	*426.26*	
		For >500 To 1,000, Deduct	*-162.54*	
		For >1,000 To 2,000, Deduct	*-245.92*	
		For >2,000 To 5,000, Deduct	*-401.90*	
		For >5,000, Deduct	*-667.02*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	918.95	
		For Vinylester Resin, Add	*611.02*	
		For Epoxy Resin, Add	*72.01*	
		For Up To >10, Add	*574.65*	
		For >10 To 25, Add	*333.40*	
		For >25 To 50, Add	*243.68*	
		For >50 To 100, Add	*121.84*	
		For >500 To 1,000, Deduct	*-47.10*	
		For >1,000 To 2,000, Deduct	*-71.22*	
		For >2,000 To 5,000, Deduct	*-116.26*	
		For >5,000, Deduct	*-193.00*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,039.59	
		For Vinylester Resin, Add	*691.14*	
		For Epoxy Resin, Add	*81.46*	
		For Up To >10, Add	*650.42*	
		For >10 To 25, Add	*377.46*	
		For >25 To 50, Add	*275.84*	
		For >50 To 100, Add	*137.92*	
		For >500 To 1,000, Deduct	*-53.29*	
		For >1,000 To 2,000, Deduct	*-80.58*	
		For >2,000 To 5,000, Deduct	*-131.54*	
		For >5,000, Deduct	*-218.37*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,160.07	
		For Vinylester Resin, Add	*771.26*	
		For Epoxy Resin, Add	*90.90*	
		For Up To >10, Add	*725.71*	
		For >10 To 25, Add	*421.13*	
		For >25 To 50, Add	*307.77*	
		For >50 To 100, Add	*153.88*	
		For >500 To 1,000, Deduct	*-59.46*	
		For >1,000 To 2,000, Deduct	*-89.92*	
		For >2,000 To 5,000, Deduct	*-146.78*	
		For >5,000, Deduct	*-243.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,468.70	
		For Vinylester Resin, Add	*978.87*	
		For Epoxy Resin, Add	*115.37*	
		For Up To >10, Add	*910.15*	
		For >10 To 25, Add	*525.40*	
		For >25 To 50, Add	*385.16*	
		For >50 To 100, Add	*192.58*	
		For >500 To 1,000, Deduct	*-75.19*	
		For >1,000 To 2,000, Deduct	*-113.67*	
		For >2,000 To 5,000, Deduct	*-185.39*	
		For >5,000, Deduct	*-307.80*	
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,642.15	
		For Vinylester Resin, Add	*1,091.75*	
		For Epoxy Resin, Add	*128.67*	
		For Up To >10, Add	*1,027.35*	
		For >10 To 25, Add	*596.19*	
		For >25 To 50, Add	*435.69*	
		For >50 To 100, Add	*217.85*	
		For >500 To 1,000, Deduct	*-84.17*	
		For >1,000 To 2,000, Deduct	*-127.29*	
		For >2,000 To 5,000, Deduct	*-207.78*	
		For >5,000, Deduct	*-344.93*	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,883.13	
		For Vinylester Resin, Add	*1,252.00*	
		For Epoxy Resin, Add	*147.56*	
		For Up To >10, Add	*1,177.97*	
		For >10 To 25, Add	*683.54*	
		For >25 To 50, Add	*499.55*	
		For >50 To 100, Add	*249.78*	
		For >500 To 1,000, Deduct	*-96.52*	
		For >1,000 To 2,000, Deduct	*-145.96*	
		For >2,000 To 5,000, Deduct	*-238.27*	
		For >5,000, Deduct	*-395.54*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,124.10	
		For Vinylester Resin, Add	*1,412.24*	
		For Epoxy Resin, Add	*166.44*	
		For Up To >10, Add	*1,328.58*	
		For >10 To 25, Add	*770.90*	
		For >25 To 50, Add	*563.41*	
		For >50 To 100, Add	*281.71*	
		For >500 To 1,000, Deduct	*-108.87*	
		For >1,000 To 2,000, Deduct	*-164.64*	
		For >2,000 To 5,000, Deduct	*-268.75*	
		For >5,000, Deduct	*-446.14*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,365.06	
		For Vinylester Resin, Add	*1,572.49*	
		For Epoxy Resin, Add	*185.33*	
		For Up To >10, Add	*1,479.16*	
		For >10 To 25, Add	*858.23*	
		For >25 To 50, Add	*627.26*	
		For >50 To 100, Add	*313.63*	
		For >500 To 1,000, Deduct	*-121.22*	
		For >1,000 To 2,000, Deduct	*-183.31*	
		For >2,000 To 5,000, Deduct	*-299.23*	
		For >5,000, Deduct	*-496.74*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,612.65	
		For Vinylester Resin, Add	*1,732.73*	
		For Epoxy Resin, Add	*204.21*	
		For Up To >10, Add	*1,649.63*	
		For >10 To 25, Add	*962.13*	
		For >25 To 50, Add	*701.05*	
		For >50 To 100, Add	*350.52*	
		For >500 To 1,000, Deduct	*-134.07*	
		For >1,000 To 2,000, Deduct	*-202.81*	
		For >2,000 To 5,000, Deduct	*-331.37*	
		For >5,000, Deduct	*-549.99*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,854.23	
		For Vinylester Resin, Add	*1,892.98*	
		For Epoxy Resin, Add	*223.10*	
		For Up To >10, Add	*1,802.07*	
		For >10 To 25, Add	*1,051.01*	
		For >25 To 50, Add	*765.82*	
		For >50 To 100, Add	*382.91*	
		For >500 To 1,000, Deduct	*-146.46*	
		For >1,000 To 2,000, Deduct	*-221.57*	
		For >2,000 To 5,000, Deduct	*-362.01*	
		For >5,000, Deduct	*-600.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,095.94	
		For Vinylester Resin, Add	*2,053.22*	
		For Epoxy Resin, Add	*241.99*	
		For Up To >10, Add	*1,954.90*	
		For >10 To 25, Add	*1,140.22*	
		For >25 To 50, Add	*830.79*	
		For >50 To 100, Add	*415.39*	
		For >500 To 1,000, Deduct	*-158.87*	
		For >1,000 To 2,000, Deduct	*-240.33*	
		For >2,000 To 5,000, Deduct	*-392.67*	
		For >5,000, Deduct	*-651.74*	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,337.52	
		For Vinylester Resin, Add	*2,213.47*	
		For Epoxy Resin, Add	*260.87*	
		For Up To >10, Add	*2,107.31*	
		For >10 To 25, Add	*1,229.08*	
		For >25 To 50, Add	*895.55*	
		For >50 To 100, Add	*447.78*	
		For >500 To 1,000, Deduct	*-171.26*	
		For >1,000 To 2,000, Deduct	*-259.09*	
		For >2,000 To 5,000, Deduct	*-423.31*	
		For >5,000, Deduct	*-702.59*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	964.18	
		For Vinylester Resin, Add	*641.52*	
		For Epoxy Resin, Add	*75.61*	
		For Up To >10, Add	*601.42*	
		For >10 To 25, Add	*348.44*	
		For >25 To 50, Add	*254.89*	
		For >50 To 100, Add	*127.44*	
		For >500 To 1,000, Deduct	*-49.40*	
		For >1,000 To 2,000, Deduct	*-74.70*	
		For >2,000 To 5,000, Deduct	*-121.91*	
		For >5,000, Deduct	*-202.38*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,091.00	
		For Vinylester Resin, Add	*725.86*	
		For Epoxy Resin, Add	*85.55*	
		For Up To >10, Add	*680.65*	
		For >10 To 25, Add	*394.39*	
		For >25 To 50, Add	*288.48*	
		For >50 To 100, Add	*144.24*	
		For >500 To 1,000, Deduct	*-55.90*	
		For >1,000 To 2,000, Deduct	*-84.53*	
		For >2,000 To 5,000, Deduct	*-137.95*	
		For >5,000, Deduct	*-229.01*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,217.79	
		For Vinylester Resin, Add	*810.19*	
		For Epoxy Resin, Add	*95.49*	
		For Up To >10, Add	*759.85*	
		For >10 To 25, Add	*440.30*	
		For >25 To 50, Add	*322.05*	
		For >50 To 100, Add	*161.03*	
		For >500 To 1,000, Deduct	*-62.40*	
		For >1,000 To 2,000, Deduct	*-94.35*	
		For >2,000 To 5,000, Deduct	*-153.98*	
		For >5,000, Deduct	*-255.63*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,471.26	
		For Vinylester Resin, Add	*978.87*	
		For Epoxy Resin, Add	*115.37*	
		For Up To >10, Add	*917.83*	
		For >10 To 25, Add	*531.80*	
		For >25 To 50, Add	*389.00*	
		For >50 To 100, Add	*194.50*	
		For >500 To 1,000, Deduct	*-75.39*	
		For >1,000 To 2,000, Deduct	*-113.99*	
		For >2,000 To 5,000, Deduct	*-186.03*	
		For >5,000, Deduct	*-308.83*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,724.87	
		For Vinylester Resin, Add	*1,147.55*	
		For Epoxy Resin, Add	*135.25*	
		For Up To >10, Add	*1,076.24*	
		For >10 To 25, Add	*623.64*	
		For >25 To 50, Add	*456.15*	
		For >50 To 100, Add	*228.08*	
		For >500 To 1,000, Deduct	*-88.38*	
		For >1,000 To 2,000, Deduct	*-133.64*	
		For >2,000 To 5,000, Deduct	*-218.10*	
		For >5,000, Deduct	*-362.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,978.35	
		For Vinylester Resin, Add	*1,316.23*	
		For Epoxy Resin, Add	*155.13*	
		For Up To >10, Add	*1,234.23*	
		For >10 To 25, Add	*715.13*	
		For >25 To 50, Add	*523.10*	
		For >50 To 100, Add	*261.55*	
		For >500 To 1,000, Deduct	*-101.37*	
		For >1,000 To 2,000, Deduct	*-153.28*	
		For >2,000 To 5,000, Deduct	*-250.14*	
		For >5,000, Deduct	*-415.27*	
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,231.97	
		For Vinylester Resin, Add	*1,484.91*	
		For Epoxy Resin, Add	*175.01*	
		For Up To >10, Add	*1,392.66*	
		For >10 To 25, Add	*807.00*	
		For >25 To 50, Add	*590.27*	
		For >50 To 100, Add	*295.13*	
		For >500 To 1,000, Deduct	*-114.37*	
		For >1,000 To 2,000, Deduct	*-172.93*	
		For >2,000 To 5,000, Deduct	*-282.22*	
		For >5,000, Deduct	*-468.53*	
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,485.44	
		For Vinylester Resin, Add	*1,653.59*	
		For Epoxy Resin, Add	*194.89*	
		For Up To >10, Add	*1,550.65*	
		For >10 To 25, Add	*898.49*	
		For >25 To 50, Add	*657.21*	
		For >50 To 100, Add	*328.60*	
		For >500 To 1,000, Deduct	*-127.35*	
		For >1,000 To 2,000, Deduct	*-192.57*	
		For >2,000 To 5,000, Deduct	*-314.26*	
		For >5,000, Deduct	*-521.72*	
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,745.84	
		For Vinylester Resin, Add	*1,822.27*	
		For Epoxy Resin, Add	*214.77*	
		For Up To >10, Add	*1,729.42*	
		For >10 To 25, Add	*1,007.31*	
		For >25 To 50, Add	*734.55*	
		For >50 To 100, Add	*367.27*	
		For >500 To 1,000, Deduct	*-140.86*	
		For >1,000 To 2,000, Deduct	*-213.07*	
		For >2,000 To 5,000, Deduct	*-348.04*	
		For >5,000, Deduct	*-577.69*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,999.90	
		For Vinylester Resin, Add	*1,990.95*	
		For Epoxy Resin, Add	*234.65*	
		For Up To >10, Add	*1,889.18*	
		For >10 To 25, Add	*1,100.28*	
		For >25 To 50, Add	*802.38*	
		For >50 To 100, Add	*401.19*	
		For >500 To 1,000, Deduct	*-153.89*	
		For >1,000 To 2,000, Deduct	*-232.78*	
		For >2,000 To 5,000, Deduct	*-380.23*	
		For >5,000, Deduct	*-631.12*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,254.12	
		For Vinylester Resin, Add	*2,159.63*	
		For Epoxy Resin, Add	*254.53*	
		For Up To >10, Add	*2,049.41*	
		For >10 To 25, Add	*1,193.65*	
		For >25 To 50, Add	*870.45*	
		For >50 To 100, Add	*435.22*	
		For >500 To 1,000, Deduct	*-166.93*	
		For >1,000 To 2,000, Deduct	*-252.51*	
		For >2,000 To 5,000, Deduct	*-412.46*	
		For >5,000, Deduct	*-684.61*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,508.34	
		For Vinylester Resin, Add	*2,328.31*	
		For Epoxy Resin, Add	*274.41*	
		For Up To >10, Add	*2,209.65*	
		For >10 To 25, Add	*1,287.01*	
		For >25 To 50, Add	*938.52*	
		For >50 To 100, Add	*469.26*	
		For >500 To 1,000, Deduct	*-179.97*	
		For >1,000 To 2,000, Deduct	*-272.24*	
		For >2,000 To 5,000, Deduct	*-444.69*	
		For >5,000, Deduct	*-738.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,762.42	
		For Vinylester Resin, Add	*2,496.98*	
		For Epoxy Resin, Add	*294.29*	
		For Up To >10, Add	*2,369.46*	
		For >10 To 25, Add	*1,380.03*	
		For >25 To 50, Add	*1,006.37*	
		For >50 To 100, Add	*503.19*	
		For >500 To 1,000, Deduct	*-193.00*	
		For >1,000 To 2,000, Deduct	*-291.95*	
		For >2,000 To 5,000, Deduct	*-476.88*	
		For >5,000, Deduct	*-791.54*	
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,016.64	
		For Vinylester Resin, Add	*2,665.66*	
		For Epoxy Resin, Add	*314.17*	
		For Up To >10, Add	*2,529.70*	
		For >10 To 25, Add	*1,473.40*	
		For >25 To 50, Add	*1,074.44*	
		For >50 To 100, Add	*537.22*	
		For >500 To 1,000, Deduct	*-206.05*	
		For >1,000 To 2,000, Deduct	*-311.68*	
		For >2,000 To 5,000, Deduct	*-509.11*	
		For >5,000, Deduct	*-845.04*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,009.17	
		For Vinylester Resin, Add	*671.85*	
		For Epoxy Resin, Add	*79.18*	
		For Up To >10, Add	*628.06*	
		For >10 To 25, Add	*363.42*	
		For >25 To 50, Add	*266.04*	
		For >50 To 100, Add	*133.02*	
		For >500 To 1,000, Deduct	*-51.69*	
		For >1,000 To 2,000, Deduct	*-78.16*	
		For >2,000 To 5,000, Deduct	*-127.52*	
		For >5,000, Deduct	*-211.71*	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,142.15	
		For Vinylester Resin, Add	*760.40*	
		For Epoxy Resin, Add	*89.62*	
		For Up To >10, Add	*710.73*	
		For >10 To 25, Add	*411.22*	
		For >25 To 50, Add	*301.05*	
		For >50 To 100, Add	*150.52*	
		For >500 To 1,000, Deduct	*-58.50*	
		For >1,000 To 2,000, Deduct	*-88.45*	
		For >2,000 To 5,000, Deduct	*-144.32*	
		For >5,000, Deduct	*-239.60*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,275.12	
		For Vinylester Resin, Add	*848.95*	
		For Epoxy Resin, Add	*100.06*	
		For Up To >10, Add	*793.39*	
		For >10 To 25, Add	*459.02*	
		For >25 To 50, Add	*336.05*	
		For >50 To 100, Add	*168.03*	
		For >500 To 1,000, Deduct	*-65.31*	
		For >1,000 To 2,000, Deduct	*-98.75*	
		For >2,000 To 5,000, Deduct	*-161.12*	
		For >5,000, Deduct	*-267.49*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,541.25	
		For Vinylester Resin, Add	*1,026.07*	
		For Epoxy Resin, Add	*120.93*	
		For Up To >10, Add	*959.23*	
		For >10 To 25, Add	*555.05*	
		For >25 To 50, Add	*406.32*	
		For >50 To 100, Add	*203.16*	
		For >500 To 1,000, Deduct	*-78.95*	
		For >1,000 To 2,000, Deduct	*-119.37*	
		For >2,000 To 5,000, Deduct	*-194.76*	
		For >5,000, Deduct	*-323.34*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,807.22	
		For Vinylester Resin, Add	*1,203.19*	
		For Epoxy Resin, Add	*141.80*	
		For Up To >10, Add	*1,124.56*	
		For >10 To 25, Add	*650.66*	
		For >25 To 50, Add	*476.34*	
		For >50 To 100, Add	*238.17*	
		For >500 To 1,000, Deduct	*-92.57*	
		For >1,000 To 2,000, Deduct	*-139.96*	
		For >2,000 To 5,000, Deduct	*-228.36*	
		For >5,000, Deduct	*-379.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,073.35	
		For Vinylester Resin, Add	*1,380.30*	
		For Epoxy Resin, Add	*162.68*	
		For Up To >10, Add	*1,290.40*	
		For >10 To 25, Add	*746.69*	
		For >25 To 50, Add	*546.61*	
		For >50 To 100, Add	*273.30*	
		For >500 To 1,000, Deduct	*-106.20*	
		For >1,000 To 2,000, Deduct	*-160.58*	
		For >2,000 To 5,000, Deduct	*-262.00*	
		For >5,000, Deduct	*-434.97*	
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,339.31	
		For Vinylester Resin, Add	*1,557.41*	
		For Epoxy Resin, Add	*183.55*	
		For Up To >10, Add	*1,455.76*	
		For >10 To 25, Add	*842.32*	
		For >25 To 50, Add	*616.63*	
		For >50 To 100, Add	*308.32*	
		For >500 To 1,000, Deduct	*-119.83*	
		For >1,000 To 2,000, Deduct	*-181.17*	
		For >2,000 To 5,000, Deduct	*-295.59*	
		For >5,000, Deduct	*-490.75*	
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,605.27	
		For Vinylester Resin, Add	*1,734.52*	
		For Epoxy Resin, Add	*204.43*	
		For Up To >10, Add	*1,621.09*	
		For >10 To 25, Add	*937.92*	
		For >25 To 50, Add	*686.65*	
		For >50 To 100, Add	*343.32*	
		For >500 To 1,000, Deduct	*-133.45*	
		For >1,000 To 2,000, Deduct	*-201.76*	
		For >2,000 To 5,000, Deduct	*-329.19*	
		For >5,000, Deduct	*-546.53*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,878.47	
		For Vinylester Resin, Add	*1,911.64*	
		For Epoxy Resin, Add	*225.30*	
		For Up To >10, Add	*1,808.14*	
		For >10 To 25, Add	*1,051.63*	
		For >25 To 50, Add	*767.52*	
		For >50 To 100, Add	*383.76*	
		For >500 To 1,000, Deduct	*-147.61*	
		For >1,000 To 2,000, Deduct	*-223.26*	
		For >2,000 To 5,000, Deduct	*-364.60*	
		For >5,000, Deduct	*-605.21*	
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,165.73	
		For Vinylester Resin, Add	*2,103.02*	
		For Epoxy Resin, Add	*247.86*	
		For Up To >10, Add	*1,986.42*	
		For >10 To 25, Add	*1,154.63*	
		For >25 To 50, Add	*842.99*	
		For >50 To 100, Add	*421.50*	
		For >500 To 1,000, Deduct	*-162.32*	
		For >1,000 To 2,000, Deduct	*-245.50*	
		For >2,000 To 5,000, Deduct	*-400.87*	
		For >5,000, Deduct	*-665.43*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,411.77	
		For Vinylester Resin, Add	*2,265.87*	
		For Epoxy Resin, Add	*267.05*	
		For Up To >10, Add	*2,142.94*	
		For >10 To 25, Add	*1,246.29*	
		For >25 To 50, Add	*909.62*	
		For >50 To 100, Add	*454.81*	
		For >500 To 1,000, Deduct	*-174.96*	
		For >1,000 To 2,000, Deduct	*-264.62*	
		For >2,000 To 5,000, Deduct	*-432.14*	
		For >5,000, Deduct	*-717.32*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,678.48	
		For Vinylester Resin, Add	*2,442.98*	
		For Epoxy Resin, Add	*287.92*	
		For Up To >10, Add	*2,310.52*	
		For >10 To 25, Add	*1,343.77*	
		For >25 To 50, Add	*980.76*	
		For >50 To 100, Add	*490.38*	
		For >500 To 1,000, Deduct	*-188.64*	
		For >1,000 To 2,000, Deduct	*-285.31*	
		For >2,000 To 5,000, Deduct	*-465.92*	
		For >5,000, Deduct	*-773.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,945.06	
		For Vinylester Resin, Add	*2,620.09*	
		For Epoxy Resin, Add	*308.80*	
		For Up To >10, Add	*2,477.71*	
		For >10 To 25, Add	*1,440.92*	
		For >25 To 50, Add	*1,051.70*	
		For >50 To 100, Add	*525.85*	
		For >500 To 1,000, Deduct	*-202.30*	
		For >1,000 To 2,000, Deduct	*-305.98*	
		For >2,000 To 5,000, Deduct	*-499.68*	
		For >5,000, Deduct	*-829.43*	
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,211.77	
		For Vinylester Resin, Add	*2,797.20*	
		For Epoxy Resin, Add	*329.67*	
		For Up To >10, Add	*2,645.31*	
		For >10 To 25, Add	*1,538.43*	
		For >25 To 50, Add	*1,122.86*	
		For >50 To 100, Add	*561.43*	
		For >500 To 1,000, Deduct	*-215.98*	
		For >1,000 To 2,000, Deduct	*-326.67*	
		For >2,000 To 5,000, Deduct	*-533.46*	
		For >5,000, Deduct	*-885.51*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,053.77	
		For Vinylester Resin, Add	*702.02*	
		For Epoxy Resin, Add	*82.74*	
		For Up To >10, Add	*654.11*	
		For >10 To 25, Add	*377.95*	
		For >25 To 50, Add	*276.91*	
		For >50 To 100, Add	*138.46*	
		For >500 To 1,000, Deduct	*-53.96*	
		For >1,000 To 2,000, Deduct	*-81.58*	
		For >2,000 To 5,000, Deduct	*-133.07*	
		For >5,000, Deduct	*-220.93*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,193.07	
		For Vinylester Resin, Add	*794.78*	
		For Epoxy Resin, Add	*93.67*	
		For Up To >10, Add	*740.71*	
		For >10 To 25, Add	*428.03*	
		For >25 To 50, Add	*313.59*	
		For >50 To 100, Add	*156.79*	
		For >500 To 1,000, Deduct	*-61.10*	
		For >1,000 To 2,000, Deduct	*-92.36*	
		For >2,000 To 5,000, Deduct	*-150.67*	
		For >5,000, Deduct	*-250.15*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,332.24	
		For Vinylester Resin, Add	*887.56*	
		For Epoxy Resin, Add	*104.61*	
		For Up To >10, Add	*826.87*	
		For >10 To 25, Add	*477.74*	
		For >25 To 50, Add	*350.04*	
		For >50 To 100, Add	*175.02*	
		For >500 To 1,000, Deduct	*-68.22*	
		For >1,000 To 2,000, Deduct	*-103.13*	
		For >2,000 To 5,000, Deduct	*-168.23*	
		For >5,000, Deduct	*-279.31*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,610.86	
		For Vinylester Resin, Add	*1,073.11*	
		For Epoxy Resin, Add	*126.47*	
		For Up To >10, Add	*1,000.06*	
		For >10 To 25, Add	*577.88*	
		For >25 To 50, Add	*423.38*	
		For >50 To 100, Add	*211.69*	
		For >500 To 1,000, Deduct	*-82.49*	
		For >1,000 To 2,000, Deduct	*-124.71*	
		For >2,000 To 5,000, Deduct	*-203.42*	
		For >5,000, Deduct	*-337.74*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,889.32	
		For Vinylester Resin, Add	*1,258.65*	
		For Epoxy Resin, Add	*148.34*	
		For Up To >10, Add	*1,172.79*	
		For >10 To 25, Add	*677.64*	
		For >25 To 50, Add	*496.49*	
		For >50 To 100, Add	*248.24*	
		For >500 To 1,000, Deduct	*-96.75*	
		For >1,000 To 2,000, Deduct	*-146.26*	
		For >2,000 To 5,000, Deduct	*-238.58*	
		For >5,000, Deduct	*-396.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,167.95	
		For Vinylester Resin, Add	*1,444.21*	
		For Epoxy Resin, Add	*170.21*	
		For Up To >10, Add	*1,345.98*	
		For >10 To 25, Add	*777.79*	
		For >25 To 50, Add	*569.83*	
		For >50 To 100, Add	*284.92*	
		For >500 To 1,000, Deduct	*-111.02*	
		For >1,000 To 2,000, Deduct	*-167.84*	
		For >2,000 To 5,000, Deduct	*-273.78*	
		For >5,000, Deduct	*-454.55*	
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,446.41	
		For Vinylester Resin, Add	*1,629.75*	
		For Epoxy Resin, Add	*192.08*	
		For Up To >10, Add	*1,518.71*	
		For >10 To 25, Add	*877.55*	
		For >25 To 50, Add	*642.94*	
		For >50 To 100, Add	*321.47*	
		For >500 To 1,000, Deduct	*-125.28*	
		For >1,000 To 2,000, Deduct	*-189.39*	
		For >2,000 To 5,000, Deduct	*-308.94*	
		For >5,000, Deduct	*-512.92*	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,724.88	
		For Vinylester Resin, Add	*1,815.30*	
		For Epoxy Resin, Add	*213.95*	
		For Up To >10, Add	*1,691.44*	
		For >10 To 25, Add	*977.32*	
		For >25 To 50, Add	*716.06*	
		For >50 To 100, Add	*358.03*	
		For >500 To 1,000, Deduct	*-139.53*	
		For >1,000 To 2,000, Deduct	*-210.95*	
		For >2,000 To 5,000, Deduct	*-344.09*	
		For >5,000, Deduct	*-571.30*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,010.72	
		For Vinylester Resin, Add	*2,000.84*	
		For Epoxy Resin, Add	*235.81*	
		For Up To >10, Add	*1,886.31*	
		For >10 To 25, Add	*1,095.54*	
		For >25 To 50, Add	*800.24*	
		For >50 To 100, Add	*400.12*	
		For >500 To 1,000, Deduct	*-154.35*	
		For >1,000 To 2,000, Deduct	*-233.42*	
		For >2,000 To 5,000, Deduct	*-381.10*	
		For >5,000, Deduct	*-632.62*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,290.41	
		For Vinylester Resin, Add	*2,186.39*	
		For Epoxy Resin, Add	*257.68*	
		For Up To >10, Add	*2,062.68*	
		For >10 To 25, Add	*1,198.33*	
		For >25 To 50, Add	*875.17*	
		For >50 To 100, Add	*437.58*	
		For >500 To 1,000, Deduct	*-168.70*	
		For >1,000 To 2,000, Deduct	*-255.13*	
		For >2,000 To 5,000, Deduct	*-416.56*	
		For >5,000, Deduct	*-691.48*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,569.02	
		For Vinylester Resin, Add	*2,371.94*	
		For Epoxy Resin, Add	*279.55*	
		For Up To >10, Add	*2,235.86*	
		For >10 To 25, Add	*1,298.47*	
		For >25 To 50, Add	*948.51*	
		For >50 To 100, Add	*474.25*	
		For >500 To 1,000, Deduct	*-182.96*	
		For >1,000 To 2,000, Deduct	*-276.70*	
		For >2,000 To 5,000, Deduct	*-451.75*	
		For >5,000, Deduct	*-749.91*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,848.24	
		For Vinylester Resin, Add	*2,557.49*	
		For Epoxy Resin, Add	*301.42*	
		For Up To >10, Add	*2,410.85*	
		For >10 To 25, Add	*1,400.11*	
		For >25 To 50, Add	*1,022.75*	
		For >50 To 100, Add	*511.37*	
		For >500 To 1,000, Deduct	*-197.28*	
		For >1,000 To 2,000, Deduct	*-298.35*	
		For >2,000 To 5,000, Deduct	*-487.10*	
		For >5,000, Deduct	*-808.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,127.46	
		For Vinylester Resin, Add	*2,743.03*	
		For Epoxy Resin, Add	*323.29*	
		For Up To >10, Add	*2,585.86*	
		For >10 To 25, Add	*1,501.78*	
		For >25 To 50, Add	*1,097.00*	
		For >50 To 100, Add	*548.50*	
		For >500 To 1,000, Deduct	*-211.59*	
		For >1,000 To 2,000, Deduct	*-320.00*	
		For >2,000 To 5,000, Deduct	*-522.45*	
		For >5,000, Deduct	*-867.26*	
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,406.68	
		For Vinylester Resin, Add	*2,928.58*	
		For Epoxy Resin, Add	*345.15*	
		For Up To >10, Add	*2,760.84*	
		For >10 To 25, Add	*1,603.42*	
		For >25 To 50, Add	*1,171.24*	
		For >50 To 100, Add	*585.62*	
		For >500 To 1,000, Deduct	*-225.91*	
		For >1,000 To 2,000, Deduct	*-341.65*	
		For >2,000 To 5,000, Deduct	*-557.79*	
		For >5,000, Deduct	*-925.94*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,243.31	
		For Vinylester Resin, Add	*829.00*	
		For Epoxy Resin, Add	*97.70*	
		For Up To >10, Add	*769.21*	
		For >10 To 25, Add	*443.62*	
		For >25 To 50, Add	*325.39*	
		For >50 To 100, Add	*162.69*	
		For >500 To 1,000, Deduct	*-63.64*	
		For >1,000 To 2,000, Deduct	*-96.20*	
		For >2,000 To 5,000, Deduct	*-156.87*	
		For >5,000, Deduct	*-260.47*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,388.79	
		For Vinylester Resin, Add	*925.99*	
		For Epoxy Resin, Add	*109.13*	
		For Up To >10, Add	*859.27*	
		For >10 To 25, Add	*495.59*	
		For >25 To 50, Add	*363.49*	
		For >50 To 100, Add	*181.75*	
		For >500 To 1,000, Deduct	*-71.09*	
		For >1,000 To 2,000, Deduct	*-107.46*	
		For >2,000 To 5,000, Deduct	*-175.23*	
		For >5,000, Deduct	*-290.95*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,679.78	
		For Vinylester Resin, Add	*1,119.98*	
		For Epoxy Resin, Add	*132.00*	
		For Up To >10, Add	*1,039.42*	
		For >10 To 25, Add	*599.52*	
		For >25 To 50, Add	*439.71*	
		For >50 To 100, Add	*219.85*	
		For >500 To 1,000, Deduct	*-85.98*	
		For >1,000 To 2,000, Deduct	*-129.97*	
		For >2,000 To 5,000, Deduct	*-211.95*	
		For >5,000, Deduct	*-351.92*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,970.59	
		For Vinylester Resin, Add	*1,313.96*	
		For Epoxy Resin, Add	*154.86*	
		For Up To >10, Add	*1,219.07*	
		For >10 To 25, Add	*703.05*	
		For >25 To 50, Add	*515.68*	
		For >50 To 100, Add	*257.84*	
		For >500 To 1,000, Deduct	*-100.87*	
		For >1,000 To 2,000, Deduct	*-152.47*	
		For >2,000 To 5,000, Deduct	*-248.63*	
		For >5,000, Deduct	*-412.82*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,261.55	
		For Vinylester Resin, Add	*1,507.93*	
		For Epoxy Resin, Add	*177.72*	
		For Up To >10, Add	*1,399.18*	
		For >10 To 25, Add	*806.95*	
		For >25 To 50, Add	*591.88*	
		For >50 To 100, Add	*295.94*	
		For >500 To 1,000, Deduct	*-115.76*	
		For >1,000 To 2,000, Deduct	*-174.98*	
		For >2,000 To 5,000, Deduct	*-285.34*	
		For >5,000, Deduct	*-473.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,552.37	
		For Vinylester Resin, Add	*1,701.92*	
		For Epoxy Resin, Add	*200.58*	
		For Up To >10, Add	*1,578.84*	
		For >10 To 25, Add	*910.48*	
		For >25 To 50, Add	*667.85*	
		For >50 To 100, Add	*333.93*	
		For >500 To 1,000, Deduct	*-130.65*	
		For >1,000 To 2,000, Deduct	*-197.48*	
		For >2,000 To 5,000, Deduct	*-322.02*	
		For >5,000, Deduct	*-534.69*	
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,843.35	
		For Vinylester Resin, Add	*1,895.90*	
		For Epoxy Resin, Add	*223.45*	
		For Up To >10, Add	*1,758.98*	
		For >10 To 25, Add	*1,014.41*	
		For >25 To 50, Add	*744.07*	
		For >50 To 100, Add	*372.03*	
		For >500 To 1,000, Deduct	*-145.54*	
		For >1,000 To 2,000, Deduct	*-220.00*	
		For >2,000 To 5,000, Deduct	*-358.74*	
		For >5,000, Deduct	*-595.65*	
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,141.68	
		For Vinylester Resin, Add	*2,089.88*	
		For Epoxy Resin, Add	*246.31*	
		For Up To >10, Add	*1,961.19*	
		For >10 To 25, Add	*1,136.74*	
		For >25 To 50, Add	*831.32*	
		For >50 To 100, Add	*415.66*	
		For >500 To 1,000, Deduct	*-160.99*	
		For >1,000 To 2,000, Deduct	*-243.43*	
		For >2,000 To 5,000, Deduct	*-397.30*	
		For >5,000, Deduct	*-659.56*	
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,433.55	
		For Vinylester Resin, Add	*2,283.86*	
		For Epoxy Resin, Add	*269.17*	
		For Up To >10, Add	*2,144.03*	
		For >10 To 25, Add	*1,242.91*	
		For >25 To 50, Add	*908.88*	
		For >50 To 100, Add	*454.44*	
		For >500 To 1,000, Deduct	*-175.95*	
		For >1,000 To 2,000, Deduct	*-266.06*	
		For >2,000 To 5,000, Deduct	*-434.24*	
		For >5,000, Deduct	*-720.89*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,722.41	
		For Vinylester Resin, Add	*2,477.84*	
		For Epoxy Resin, Add	*292.03*	
		For Up To >10, Add	*2,317.81*	
		For >10 To 25, Add	*1,341.54*	
		For >25 To 50, Add	*981.91*	
		For >50 To 100, Add	*490.96*	
		For >500 To 1,000, Deduct	*-190.69*	
		For >1,000 To 2,000, Deduct	*-288.31*	
		For >2,000 To 5,000, Deduct	*-470.43*	
		For >5,000, Deduct	*-781.01*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,016.55	
		For Vinylester Resin, Add	*2,671.82*	
		For Epoxy Resin, Add	*314.89*	
		For Up To >10, Add	*2,507.43*	
		For >10 To 25, Add	*1,453.37*	
		For >25 To 50, Add	*1,062.87*	
		For >50 To 100, Add	*531.43*	
		For >500 To 1,000, Deduct	*-205.82*	
		For >1,000 To 2,000, Deduct	*-311.22*	
		For >2,000 To 5,000, Deduct	*-507.94*	
		For >5,000, Deduct	*-843.24*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,308.13	
		For Vinylester Resin, Add	*2,865.81*	
		For Epoxy Resin, Add	*337.76*	
		For Up To >10, Add	*2,689.37*	
		For >10 To 25, Add	*1,558.80*	
		For >25 To 50, Add	*1,139.98*	
		For >50 To 100, Add	*569.99*	
		For >500 To 1,000, Deduct	*-220.76*	
		For >1,000 To 2,000, Deduct	*-333.82*	
		For >2,000 To 5,000, Deduct	*-544.81*	
		For >5,000, Deduct	*-904.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,599.69	
		For Vinylester Resin, Add	*3,059.78*	
		For Epoxy Resin, Add	*360.62*	
		For Up To >10, Add	*2,871.27*	
		For >10 To 25, Add	*1,664.21*	
		For >25 To 50, Add	*1,217.08*	
		For >50 To 100, Add	*608.54*	
		For >500 To 1,000, Deduct	*-235.70*	
		For >1,000 To 2,000, Deduct	*-356.41*	
		For >2,000 To 5,000, Deduct	*-581.68*	
		For >5,000, Deduct	*-965.65*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,293.31	
		For Vinylester Resin, Add	*863.05*	
		For Epoxy Resin, Add	*101.72*	
		For Up To >10, Add	*797.61*	
		For >10 To 25, Add	*459.18*	
		For >25 To 50, Add	*337.16*	
		For >50 To 100, Add	*168.58*	
		For >500 To 1,000, Deduct	*-66.18*	
		For >1,000 To 2,000, Deduct	*-100.02*	
		For >2,000 To 5,000, Deduct	*-163.05*	
		For >5,000, Deduct	*-270.74*	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,444.96	
		For Vinylester Resin, Add	*964.26*	
		For Epoxy Resin, Add	*113.64*	
		For Up To >10, Add	*891.11*	
		For >10 To 25, Add	*513.00*	
		For >25 To 50, Add	*376.68*	
		For >50 To 100, Add	*188.34*	
		For >500 To 1,000, Deduct	*-73.93*	
		For >1,000 To 2,000, Deduct	*-111.74*	
		For >2,000 To 5,000, Deduct	*-182.16*	
		For >5,000, Deduct	*-302.48*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,748.29	
		For Vinylester Resin, Add	*1,166.68*	
		For Epoxy Resin, Add	*137.50*	
		For Up To >10, Add	*1,078.17*	
		For >10 To 25, Add	*620.70*	
		For >25 To 50, Add	*455.75*	
		For >50 To 100, Add	*227.88*	
		For >500 To 1,000, Deduct	*-89.45*	
		For >1,000 To 2,000, Deduct	*-135.20*	
		For >2,000 To 5,000, Deduct	*-220.40*	
		For >5,000, Deduct	*-365.98*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,051.61	
		For Vinylester Resin, Add	*1,369.10*	
		For Epoxy Resin, Add	*161.36*	
		For Up To >10, Add	*1,265.21*	
		For >10 To 25, Add	*728.36*	
		For >25 To 50, Add	*534.81*	
		For >50 To 100, Add	*267.41*	
		For >500 To 1,000, Deduct	*-104.97*	
		For >1,000 To 2,000, Deduct	*-158.66*	
		For >2,000 To 5,000, Deduct	*-258.64*	
		For >5,000, Deduct	*-429.47*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,354.78	
		For Vinylester Resin, Add	*1,571.51*	
		For Epoxy Resin, Add	*185.21*	
		For Up To >10, Add	*1,451.82*	
		For >10 To 25, Add	*835.68*	
		For >25 To 50, Add	*613.66*	
		For >50 To 100, Add	*306.83*	
		For >500 To 1,000, Deduct	*-120.48*	
		For >1,000 To 2,000, Deduct	*-182.10*	
		For >2,000 To 5,000, Deduct	*-296.84*	
		For >5,000, Deduct	*-492.91*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,658.10	
		For Vinylester Resin, Add	*1,773.93*	
		For Epoxy Resin, Add	*209.07*	
		For Up To >10, Add	*1,638.85*	
		For >10 To 25, Add	*943.35*	
		For >25 To 50, Add	*692.72*	
		For >50 To 100, Add	*346.36*	
		For >500 To 1,000, Deduct	*-136.00*	
		For >1,000 To 2,000, Deduct	*-205.55*	
		For >2,000 To 5,000, Deduct	*-335.08*	
		For >5,000, Deduct	*-556.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,961.41	
		For Vinylester Resin, Add	*1,976.34*	
		For Epoxy Resin, Add	*232.93*	
		For Up To >10, Add	*1,825.88*	
		For >10 To 25, Add	*1,051.01*	
		For >25 To 50, Add	*771.77*	
		For >50 To 100, Add	*385.89*	
		For >500 To 1,000, Deduct	*-151.52*	
		For >1,000 To 2,000, Deduct	*-229.01*	
		For >2,000 To 5,000, Deduct	*-373.32*	
		For >5,000, Deduct	*-619.90*	
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,272.41	
		For Vinylester Resin, Add	*2,178.75*	
		For Epoxy Resin, Add	*256.78*	
		For Up To >10, Add	*2,035.98*	
		For >10 To 25, Add	*1,177.90*	
		For >25 To 50, Add	*862.37*	
		For >50 To 100, Add	*431.18*	
		For >500 To 1,000, Deduct	*-167.62*	
		For >1,000 To 2,000, Deduct	*-253.43*	
		For >2,000 To 5,000, Deduct	*-413.48*	
		For >5,000, Deduct	*-686.46*	
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,576.49	
		For Vinylester Resin, Add	*2,381.17*	
		For Epoxy Resin, Add	*280.64*	
		For Up To >10, Add	*2,225.30*	
		For >10 To 25, Add	*1,287.47*	
		For >25 To 50, Add	*942.56*	
		For >50 To 100, Add	*471.28*	
		For >500 To 1,000, Deduct	*-183.20*	
		For >1,000 To 2,000, Deduct	*-276.98*	
		For >2,000 To 5,000, Deduct	*-451.91*	
		For >5,000, Deduct	*-750.26*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,875.44	
		For Vinylester Resin, Add	*2,583.58*	
		For Epoxy Resin, Add	*304.49*	
		For Up To >10, Add	*2,399.25*	
		For >10 To 25, Add	*1,384.23*	
		For >25 To 50, Add	*1,015.08*	
		For >50 To 100, Add	*507.54*	
		For >500 To 1,000, Deduct	*-198.39*	
		For >1,000 To 2,000, Deduct	*-299.89*	
		For >2,000 To 5,000, Deduct	*-489.05*	
		For >5,000, Deduct	*-812.01*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,184.47	
		For Vinylester Resin, Add	*2,785.99*	
		For Epoxy Resin, Add	*328.35*	
		For Up To >10, Add	*2,603.44*	
		For >10 To 25, Add	*1,506.20*	
		For >25 To 50, Add	*1,102.72*	
		For >50 To 100, Add	*551.36*	
		For >500 To 1,000, Deduct	*-214.34*	
		For >1,000 To 2,000, Deduct	*-324.06*	
		For >2,000 To 5,000, Deduct	*-528.72*	
		For >5,000, Deduct	*-877.79*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,488.54	
		For Vinylester Resin, Add	*2,988.41*	
		For Epoxy Resin, Add	*352.21*	
		For Up To >10, Add	*2,792.72*	
		For >10 To 25, Add	*1,615.74*	
		For >25 To 50, Add	*1,182.90*	
		For >50 To 100, Add	*591.45*	
		For >500 To 1,000, Deduct	*-229.91*	
		For >1,000 To 2,000, Deduct	*-347.61*	
		For >2,000 To 5,000, Deduct	*-567.14*	
		For >5,000, Deduct	*-941.58*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,792.62	
		For Vinylester Resin, Add	*3,190.82*	
		For Epoxy Resin, Add	*376.06*	
		For Up To >10, Add	*2,982.06*	
		For >10 To 25, Add	*1,725.33*	
		For >25 To 50, Add	*1,263.11*	
		For >50 To 100, Add	*631.56*	
		For >500 To 1,000, Deduct	*-245.49*	
		For >1,000 To 2,000, Deduct	*-371.16*	
		For >2,000 To 5,000, Deduct	*-605.57*	
		For >5,000, Deduct	*-1,005.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,096.54	
		For Vinylester Resin, Add	*3,393.24*	
		For Epoxy Resin, Add	*399.92*	
		For Up To >10, Add	*3,170.90*	
		For >10 To 25, Add	*1,834.50*	
		For >25 To 50, Add	*1,343.07*	
		For >50 To 100, Add	*671.54*	
		For >500 To 1,000, Deduct	*-261.05*	
		For >1,000 To 2,000, Deduct	*-394.69*	
		For >2,000 To 5,000, Deduct	*-643.96*	
		For >5,000, Deduct	*-1,069.12*	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,400.60	
		For Vinylester Resin, Add	*3,595.66*	
		For Epoxy Resin, Add	*423.77*	
		For Up To >10, Add	*3,360.18*	
		For >10 To 25, Add	*1,944.04*	
		For >25 To 50, Add	*1,423.26*	
		For >50 To 100, Add	*711.63*	
		For >500 To 1,000, Deduct	*-276.63*	
		For >1,000 To 2,000, Deduct	*-418.24*	
		For >2,000 To 5,000, Deduct	*-682.39*	
		For >5,000, Deduct	*-1,132.91*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,500.76	
		For Vinylester Resin, Add	*1,002.37*	
		For Epoxy Resin, Add	*118.14*	
		For Up To >10, Add	*922.41*	
		For >10 To 25, Add	*530.01*	
		For >25 To 50, Add	*389.61*	
		For >50 To 100, Add	*194.80*	
		For >500 To 1,000, Deduct	*-76.76*	
		For >1,000 To 2,000, Deduct	*-116.00*	
		For >2,000 To 5,000, Deduct	*-189.04*	
		For >5,000, Deduct	*-313.91*	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,816.42	
		For Vinylester Resin, Add	*1,213.21*	
		For Epoxy Resin, Add	*142.99*	
		For Up To >10, Add	*1,116.36*	
		For >10 To 25, Add	*641.44*	
		For >25 To 50, Add	*471.52*	
		For >50 To 100, Add	*235.76*	
		For >500 To 1,000, Deduct	*-92.90*	
		For >1,000 To 2,000, Deduct	*-140.39*	
		For >2,000 To 5,000, Deduct	*-228.79*	
		For >5,000, Deduct	*-379.94*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,132.10	
		For Vinylester Resin, Add	*1,424.06*	
		For Epoxy Resin, Add	*167.84*	
		For Up To >10, Add	*1,310.38*	
		For >10 To 25, Add	*752.92*	
		For >25 To 50, Add	*553.47*	
		For >50 To 100, Add	*276.73*	
		For >500 To 1,000, Deduct	*-109.05*	
		For >1,000 To 2,000, Deduct	*-164.79*	
		For >2,000 To 5,000, Deduct	*-268.56*	
		For >5,000, Deduct	*-445.97*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,447.77	
		For Vinylester Resin, Add	*1,634.91*	
		For Epoxy Resin, Add	*192.69*	
		For Up To >10, Add	*1,504.34*	
		For >10 To 25, Add	*864.35*	
		For >25 To 50, Add	*635.39*	
		For >50 To 100, Add	*317.69*	
		For >500 To 1,000, Deduct	*-125.19*	
		For >1,000 To 2,000, Deduct	*-189.19*	
		For >2,000 To 5,000, Deduct	*-308.32*	
		For >5,000, Deduct	*-511.99*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,763.43	
		For Vinylester Resin, Add	*1,845.76*	
		For Epoxy Resin, Add	*217.54*	
		For Up To >10, Add	*1,698.29*	
		For >10 To 25, Add	*975.78*	
		For >25 To 50, Add	*717.31*	
		For >50 To 100, Add	*358.65*	
		For >500 To 1,000, Deduct	*-141.34*	
		For >1,000 To 2,000, Deduct	*-213.59*	
		For >2,000 To 5,000, Deduct	*-348.07*	
		For >5,000, Deduct	*-578.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,079.10	
		For Vinylester Resin, Add	*2,056.61*	
		For Epoxy Resin, Add	*242.39*	
		For Up To >10, Add	*1,892.25*	
		For >10 To 25, Add	*1,087.21*	
		For >25 To 50, Add	*799.22*	
		For >50 To 100, Add	*399.61*	
		For >500 To 1,000, Deduct	*-157.48*	
		For >1,000 To 2,000, Deduct	*-237.99*	
		For >2,000 To 5,000, Deduct	*-387.83*	
		For >5,000, Deduct	*-644.04*	
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,402.59	
		For Vinylester Resin, Add	*2,267.45*	
		For Epoxy Resin, Add	*267.24*	
		For Up To >10, Add	*2,109.72*	
		For >10 To 25, Add	*1,218.23*	
		For >25 To 50, Add	*892.90*	
		For >50 To 100, Add	*446.45*	
		For >500 To 1,000, Deduct	*-174.21*	
		For >1,000 To 2,000, Deduct	*-263.36*	
		For >2,000 To 5,000, Deduct	*-429.55*	
		For >5,000, Deduct	*-713.19*	
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,719.01	
		For Vinylester Resin, Add	*2,478.30*	
		For Epoxy Resin, Add	*292.09*	
		For Up To >10, Add	*2,305.96*	
		For >10 To 25, Add	*1,331.56*	
		For >25 To 50, Add	*975.96*	
		For >50 To 100, Add	*487.98*	
		For >500 To 1,000, Deduct	*-190.42*	
		For >1,000 To 2,000, Deduct	*-287.85*	
		For >2,000 To 5,000, Deduct	*-469.50*	
		For >5,000, Deduct	*-779.52*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,032.88	
		For Vinylester Resin, Add	*2,689.16*	
		For Epoxy Resin, Add	*316.94*	
		For Up To >10, Add	*2,494.52*	
		For >10 To 25, Add	*1,438.49*	
		For >25 To 50, Add	*1,055.18*	
		For >50 To 100, Add	*527.59*	
		For >500 To 1,000, Deduct	*-206.42*	
		For >1,000 To 2,000, Deduct	*-312.03*	
		For >2,000 To 5,000, Deduct	*-508.81*	
		For >5,000, Deduct	*-844.82*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,351.86	
		For Vinylester Resin, Add	*2,900.00*	
		For Epoxy Resin, Add	*341.79*	
		For Up To >10, Add	*2,698.43*	
		For >10 To 25, Add	*1,558.22*	
		For >25 To 50, Add	*1,142.07*	
		For >50 To 100, Add	*571.04*	
		For >500 To 1,000, Deduct	*-222.82*	
		For >1,000 To 2,000, Deduct	*-336.84*	
		For >2,000 To 5,000, Deduct	*-549.39*	
		For >5,000, Deduct	*-912.17*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,668.28	
		For Vinylester Resin, Add	*3,110.86*	
		For Epoxy Resin, Add	*366.64*	
		For Up To >10, Add	*2,894.64*	
		For >10 To 25, Add	*1,671.52*	
		For >25 To 50, Add	*1,225.12*	
		For >50 To 100, Add	*612.56*	
		For >500 To 1,000, Deduct	*-239.02*	
		For >1,000 To 2,000, Deduct	*-361.33*	
		For >2,000 To 5,000, Deduct	*-589.34*	
		For >5,000, Deduct	*-978.50*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,984.55	
		For Vinylester Resin, Add	*3,321.70*	
		For Epoxy Resin, Add	*391.49*	
		For Up To >10, Add	*3,090.43*	
		For >10 To 25, Add	*1,784.47*	
		For >25 To 50, Add	*1,307.95*	
		For >50 To 100, Add	*653.97*	
		For >500 To 1,000, Deduct	*-255.21*	
		For >1,000 To 2,000, Deduct	*-385.80*	
		For >2,000 To 5,000, Deduct	*-629.25*	
		For >5,000, Deduct	*-1,044.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,300.97	
		For Vinylester Resin, Add	*3,532.55*	
		For Epoxy Resin, Add	*416.34*	
		For Up To >10, Add	*3,286.66*	
		For >10 To 25, Add	*1,897.80*	
		For >25 To 50, Add	*1,391.01*	
		For >50 To 100, Add	*695.50*	
		For >500 To 1,000, Deduct	*-271.41*	
		For >1,000 To 2,000, Deduct	*-410.30*	
		For >2,000 To 5,000, Deduct	*-669.20*	
		For >5,000, Deduct	*-1,111.09*	
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,617.39	
		For Vinylester Resin, Add	*3,743.40*	
		For Epoxy Resin, Add	*441.19*	
		For Up To >10, Add	*3,482.90*	
		For >10 To 25, Add	*2,011.13*	
		For >25 To 50, Add	*1,474.06*	
		For >50 To 100, Add	*737.03*	
		For >500 To 1,000, Deduct	*-287.61*	
		For >1,000 To 2,000, Deduct	*-434.79*	
		For >2,000 To 5,000, Deduct	*-709.15*	
		For >5,000, Deduct	*-1,177.41*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,884.33	
		For Vinylester Resin, Add	*1,259.58*	
		For Epoxy Resin, Add	*148.45*	
		For Up To >10, Add	*1,154.49*	
		For >10 To 25, Add	*662.18*	
		For >25 To 50, Add	*487.28*	
		For >50 To 100, Add	*243.64*	
		For >500 To 1,000, Deduct	*-96.34*	
		For >1,000 To 2,000, Deduct	*-145.57*	
		For >2,000 To 5,000, Deduct	*-237.16*	
		For >5,000, Deduct	*-393.85*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,212.34	
		For Vinylester Resin, Add	*1,478.86*	
		For Epoxy Resin, Add	*174.29*	
		For Up To >10, Add	*1,355.37*	
		For >10 To 25, Add	*777.37*	
		For >25 To 50, Add	*572.05*	
		For >50 To 100, Add	*286.03*	
		For >500 To 1,000, Deduct	*-113.11*	
		For >1,000 To 2,000, Deduct	*-170.91*	
		For >2,000 To 5,000, Deduct	*-278.44*	
		For >5,000, Deduct	*-462.40*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,540.37	
		For Vinylester Resin, Add	*1,698.15*	
		For Epoxy Resin, Add	*200.14*	
		For Up To >10, Add	*1,556.29*	
		For >10 To 25, Add	*892.58*	
		For >25 To 50, Add	*656.85*	
		For >50 To 100, Add	*328.42*	
		For >500 To 1,000, Deduct	*-129.88*	
		For >1,000 To 2,000, Deduct	*-196.25*	
		For >2,000 To 5,000, Deduct	*-319.72*	
		For >5,000, Deduct	*-530.96*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,868.37	
		For Vinylester Resin, Add	*1,917.43*	
		For Epoxy Resin, Add	*225.98*	
		For Up To >10, Add	*1,757.16*	
		For >10 To 25, Add	*1,007.77*	
		For >25 To 50, Add	*741.62*	
		For >50 To 100, Add	*370.81*	
		For >500 To 1,000, Deduct	*-146.65*	
		For >1,000 To 2,000, Deduct	*-221.59*	
		For >2,000 To 5,000, Deduct	*-361.00*	
		For >5,000, Deduct	*-599.51*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,196.55	
		For Vinylester Resin, Add	*2,136.72*	
		For Epoxy Resin, Add	*251.83*	
		For Up To >10, Add	*1,958.53*	
		For >10 To 25, Add	*1,123.36*	
		For >25 To 50, Add	*826.64*	
		For >50 To 100, Add	*413.32*	
		For >500 To 1,000, Deduct	*-163.43*	
		For >1,000 To 2,000, Deduct	*-246.95*	
		For >2,000 To 5,000, Deduct	*-402.32*	
		For >5,000, Deduct	*-668.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,532.40	
		For Vinylester Resin, Add	*2,356.00*	
		For Epoxy Resin, Add	*277.67*	
		For Up To >10, Add	*2,182.93*	
		For >10 To 25, Add	*1,258.15*	
		For >25 To 50, Add	*923.18*	
		For >50 To 100, Add	*461.59*	
		For >500 To 1,000, Deduct	*-180.79*	
		For >1,000 To 2,000, Deduct	*-273.26*	
		For >2,000 To 5,000, Deduct	*-445.56*	
		For >5,000, Deduct	*-739.82*	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,861.16	
		For Vinylester Resin, Add	*2,575.28*	
		For Epoxy Resin, Add	*303.52*	
		For Up To >10, Add	*2,386.06*	
		For >10 To 25, Add	*1,375.22*	
		For >25 To 50, Add	*1,009.08*	
		For >50 To 100, Add	*504.54*	
		For >500 To 1,000, Deduct	*-197.61*	
		For >1,000 To 2,000, Deduct	*-298.70*	
		For >2,000 To 5,000, Deduct	*-487.02*	
		For >5,000, Deduct	*-808.67*	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,189.93	
		For Vinylester Resin, Add	*2,794.56*	
		For Epoxy Resin, Add	*329.36*	
		For Up To >10, Add	*2,589.22*	
		For >10 To 25, Add	*1,492.31*	
		For >25 To 50, Add	*1,095.00*	
		For >50 To 100, Add	*547.50*	
		For >500 To 1,000, Deduct	*-214.44*	
		For >1,000 To 2,000, Deduct	*-324.13*	
		For >2,000 To 5,000, Deduct	*-528.49*	
		For >5,000, Deduct	*-877.53*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,518.85	
		For Vinylester Resin, Add	*3,013.84*	
		For Epoxy Resin, Add	*355.20*	
		For Up To >10, Add	*2,792.83*	
		For >10 To 25, Add	*1,609.77*	
		For >25 To 50, Add	*1,181.14*	
		For >50 To 100, Add	*590.57*	
		For >500 To 1,000, Deduct	*-231.28*	
		For >1,000 To 2,000, Deduct	*-349.58*	
		For >2,000 To 5,000, Deduct	*-570.00*	
		For >5,000, Deduct	*-946.44*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,847.63	
		For Vinylester Resin, Add	*3,233.13*	
		For Epoxy Resin, Add	*381.05*	
		For Up To >10, Add	*2,995.99*	
		For >10 To 25, Add	*1,726.87*	
		For >25 To 50, Add	*1,267.06*	
		For >50 To 100, Add	*633.53*	
		For >500 To 1,000, Deduct	*-248.10*	
		For >1,000 To 2,000, Deduct	*-375.02*	
		For >2,000 To 5,000, Deduct	*-611.47*	
		For >5,000, Deduct	*-1,015.30*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,176.40	
		For Vinylester Resin, Add	*3,452.41*	
		For Epoxy Resin, Add	*406.89*	
		For Up To >10, Add	*3,199.15*	
		For >10 To 25, Add	*1,843.96*	
		For >25 To 50, Add	*1,352.97*	
		For >50 To 100, Add	*676.49*	
		For >500 To 1,000, Deduct	*-264.93*	
		For >1,000 To 2,000, Deduct	*-400.45*	
		For >2,000 To 5,000, Deduct	*-652.94*	
		For >5,000, Deduct	*-1,084.16*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,505.17	
		For Vinylester Resin, Add	*3,671.70*	
		For Epoxy Resin, Add	*432.74*	
		For Up To >10, Add	*3,402.31*	
		For >10 To 25, Add	*1,961.05*	
		For >25 To 50, Add	*1,438.89*	
		For >50 To 100, Add	*719.45*	
		For >500 To 1,000, Deduct	*-281.76*	
		For >1,000 To 2,000, Deduct	*-425.88*	
		For >2,000 To 5,000, Deduct	*-694.41*	
		For >5,000, Deduct	*-1,153.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,833.93	
		For Vinylester Resin, Add	*3,890.98*	
		For Epoxy Resin, Add	*458.58*	
		For Up To >10, Add	*3,605.44*	
		For >10 To 25, Add	*2,078.11*	
		For >25 To 50, Add	*1,524.79*	
		For >50 To 100, Add	*762.40*	
		For >500 To 1,000, Deduct	*-298.58*	
		For >1,000 To 2,000, Deduct	*-451.31*	
		For >2,000 To 5,000, Deduct	*-735.87*	
		For >5,000, Deduct	*-1,221.86*	
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,162.71	
		For Vinylester Resin, Add	*4,110.26*	
		For Epoxy Resin, Add	*484.42*	
		For Up To >10, Add	*3,808.63*	
		For >10 To 25, Add	*2,195.23*	
		For >25 To 50, Add	*1,610.73*	
		For >50 To 100, Add	*805.36*	
		For >500 To 1,000, Deduct	*-315.41*	
		For >1,000 To 2,000, Deduct	*-476.75*	
		For >2,000 To 5,000, Deduct	*-777.34*	
		For >5,000, Deduct	*-1,290.72*	
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,491.48	
		For Vinylester Resin, Add	*4,329.54*	
		For Epoxy Resin, Add	*510.27*	
		For Up To >10, Add	*4,011.79*	
		For >10 To 25, Add	*2,312.32*	
		For >25 To 50, Add	*1,696.64*	
		For >50 To 100, Add	*848.32*	
		For >500 To 1,000, Deduct	*-332.23*	
		For >1,000 To 2,000, Deduct	*-502.18*	
		For >2,000 To 5,000, Deduct	*-818.81*	
		For >5,000, Deduct	*-1,359.58*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,292.21	
		For Vinylester Resin, Add	*1,533.50*	
		For Epoxy Resin, Add	*180.73*	
		For Up To >10, Add	*1,399.83*	
		For >10 To 25, Add	*801.41*	
		For >25 To 50, Add	*590.38*	
		For >50 To 100, Add	*295.19*	
		For >500 To 1,000, Deduct	*-117.15*	
		For >1,000 To 2,000, Deduct	*-176.99*	
		For >2,000 To 5,000, Deduct	*-288.26*	
		For >5,000, Deduct	*-478.74*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,632.58	
		For Vinylester Resin, Add	*1,761.22*	
		For Epoxy Resin, Add	*207.57*	
		For Up To >10, Add	*1,607.67*	
		For >10 To 25, Add	*920.38*	
		For >25 To 50, Add	*678.03*	
		For >50 To 100, Add	*339.02*	
		For >500 To 1,000, Deduct	*-134.54*	
		For >1,000 To 2,000, Deduct	*-203.27*	
		For >2,000 To 5,000, Deduct	*-331.06*	
		For >5,000, Deduct	*-549.83*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,972.94	
		For Vinylester Resin, Add	*1,988.94*	
		For Epoxy Resin, Add	*234.41*	
		For Up To >10, Add	*1,815.47*	
		For >10 To 25, Add	*1,039.34*	
		For >25 To 50, Add	*765.67*	
		For >50 To 100, Add	*382.83*	
		For >500 To 1,000, Deduct	*-151.94*	
		For >1,000 To 2,000, Deduct	*-229.55*	
		For >2,000 To 5,000, Deduct	*-373.86*	
		For >5,000, Deduct	*-620.91*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,313.31	
		For Vinylester Resin, Add	*2,216.66*	
		For Epoxy Resin, Add	*261.25*	
		For Up To >10, Add	*2,023.31*	
		For >10 To 25, Add	*1,158.31*	
		For >25 To 50, Add	*853.32*	
		For >50 To 100, Add	*426.66*	
		For >500 To 1,000, Deduct	*-169.33*	
		For >1,000 To 2,000, Deduct	*-255.83*	
		For >2,000 To 5,000, Deduct	*-416.66*	
		For >5,000, Deduct	*-691.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,661.81	
		For Vinylester Resin, Add	*2,444.37*	
		For Epoxy Resin, Add	*288.09*	
		For Up To >10, Add	*2,255.53*	
		For >10 To 25, Add	*1,297.62*	
		For >25 To 50, Add	*953.17*	
		For >50 To 100, Add	*476.58*	
		For >500 To 1,000, Deduct	*-187.34*	
		For >1,000 To 2,000, Deduct	*-283.13*	
		For >2,000 To 5,000, Deduct	*-461.50*	
		For >5,000, Deduct	*-766.33*	
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,002.93	
		For Vinylester Resin, Add	*2,672.09*	
		For Epoxy Resin, Add	*314.92*	
		For Up To >10, Add	*2,465.62*	
		For >10 To 25, Add	*1,418.47*	
		For >25 To 50, Add	*1,041.94*	
		For >50 To 100, Add	*520.97*	
		For >500 To 1,000, Deduct	*-204.79*	
		For >1,000 To 2,000, Deduct	*-309.50*	
		For >2,000 To 5,000, Deduct	*-504.49*	
		For >5,000, Deduct	*-837.72*	
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,344.05	
		For Vinylester Resin, Add	*2,899.81*	
		For Epoxy Resin, Add	*341.76*	
		For Up To >10, Add	*2,675.70*	
		For >10 To 25, Add	*1,539.32*	
		For >25 To 50, Add	*1,130.72*	
		For >50 To 100, Add	*565.36*	
		For >500 To 1,000, Deduct	*-222.24*	
		For >1,000 To 2,000, Deduct	*-335.88*	
		For >2,000 To 5,000, Deduct	*-547.48*	
		For >5,000, Deduct	*-909.10*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,685.17	
		For Vinylester Resin, Add	*3,127.52*	
		For Epoxy Resin, Add	*368.60*	
		For Up To >10, Add	*2,885.79*	
		For >10 To 25, Add	*1,660.17*	
		For >25 To 50, Add	*1,219.50*	
		For >50 To 100, Add	*609.75*	
		For >500 To 1,000, Deduct	*-239.69*	
		For >1,000 To 2,000, Deduct	*-362.25*	
		For >2,000 To 5,000, Deduct	*-590.47*	
		For >5,000, Deduct	*-980.49*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,026.28	
		For Vinylester Resin, Add	*3,355.24*	
		For Epoxy Resin, Add	*395.44*	
		For Up To >10, Add	*3,095.84*	
		For >10 To 25, Add	*1,781.00*	
		For >25 To 50, Add	*1,308.26*	
		For >50 To 100, Add	*654.13*	
		For >500 To 1,000, Deduct	*-257.14*	
		For >1,000 To 2,000, Deduct	*-388.63*	
		For >2,000 To 5,000, Deduct	*-633.45*	
		For >5,000, Deduct	*-1,051.87*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,367.40	
		For Vinylester Resin, Add	*3,582.96*	
		For Epoxy Resin, Add	*422.28*	
		For Up To >10, Add	*3,305.93*	
		For >10 To 25, Add	*1,901.85*	
		For >25 To 50, Add	*1,397.04*	
		For >50 To 100, Add	*698.52*	
		For >500 To 1,000, Deduct	*-274.59*	
		For >1,000 To 2,000, Deduct	*-415.00*	
		For >2,000 To 5,000, Deduct	*-676.44*	
		For >5,000, Deduct	*-1,123.26*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,708.52	
		For Vinylester Resin, Add	*3,810.67*	
		For Epoxy Resin, Add	*449.12*	
		For Up To >10, Add	*3,516.01*	
		For >10 To 25, Add	*2,022.71*	
		For >25 To 50, Add	*1,485.81*	
		For >50 To 100, Add	*742.91*	
		For >500 To 1,000, Deduct	*-292.04*	
		For >1,000 To 2,000, Deduct	*-441.37*	
		For >2,000 To 5,000, Deduct	*-719.43*	
		For >5,000, Deduct	*-1,194.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,049.65	
		For Vinylester Resin, Add	*4,038.39*	
		For Epoxy Resin, Add	*475.95*	
		For Up To >10, Add	*3,726.13*	
		For >10 To 25, Add	*2,143.58*	
		For >25 To 50, Add	*1,574.61*	
		For >50 To 100, Add	*787.30*	
		For >500 To 1,000, Deduct	*-309.50*	
		For >1,000 To 2,000, Deduct	*-467.75*	
		For >2,000 To 5,000, Deduct	*-762.43*	
		For >5,000, Deduct	*-1,266.03*	
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,390.77	
		For Vinylester Resin, Add	*4,266.11*	
		For Epoxy Resin, Add	*502.79*	
		For Up To >10, Add	*3,936.21*	
		For >10 To 25, Add	*2,264.44*	
		For >25 To 50, Add	*1,663.38*	
		For >50 To 100, Add	*831.69*	
		For >500 To 1,000, Deduct	*-326.95*	
		For >1,000 To 2,000, Deduct	*-494.12*	
		For >2,000 To 5,000, Deduct	*-805.42*	
		For >5,000, Deduct	*-1,337.42*	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,731.89	
		For Vinylester Resin, Add	*4,493.83*	
		For Epoxy Resin, Add	*529.63*	
		For Up To >10, Add	*4,146.30*	
		For >10 To 25, Add	*2,385.29*	
		For >25 To 50, Add	*1,752.16*	
		For >50 To 100, Add	*876.08*	
		For >500 To 1,000, Deduct	*-344.40*	
		For >1,000 To 2,000, Deduct	*-520.50*	
		For >2,000 To 5,000, Deduct	*-848.41*	
		For >5,000, Deduct	*-1,408.81*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,724.39	
		For Vinylester Resin, Add	*1,824.12*	
		For Epoxy Resin, Add	*214.99*	
		For Up To >10, Add	*1,658.45*	
		For >10 To 25, Add	*947.72*	
		For >25 To 50, Add	*698.93*	
		For >50 To 100, Add	*349.46*	
		For >500 To 1,000, Deduct	*-139.18*	
		For >1,000 To 2,000, Deduct	*-210.25*	
		For >2,000 To 5,000, Deduct	*-342.33*	
		For >5,000, Deduct	*-568.58*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,077.12	
		For Vinylester Resin, Add	*2,060.28*	
		For Epoxy Resin, Add	*242.82*	
		For Up To >10, Add	*1,873.21*	
		For >10 To 25, Add	*1,070.47*	
		For >25 To 50, Add	*789.44*	
		For >50 To 100, Add	*394.72*	
		For >500 To 1,000, Deduct	*-157.20*	
		For >1,000 To 2,000, Deduct	*-237.48*	
		For >2,000 To 5,000, Deduct	*-386.66*	
		For >5,000, Deduct	*-642.20*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,429.83	
		For Vinylester Resin, Add	*2,296.43*	
		For Epoxy Resin, Add	*270.65*	
		For Up To >10, Add	*2,087.97*	
		For >10 To 25, Add	*1,193.20*	
		For >25 To 50, Add	*879.95*	
		For >50 To 100, Add	*439.98*	
		For >500 To 1,000, Deduct	*-175.22*	
		For >1,000 To 2,000, Deduct	*-264.70*	
		For >2,000 To 5,000, Deduct	*-430.98*	
		For >5,000, Deduct	*-715.81*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,790.83	
		For Vinylester Resin, Add	*2,532.58*	
		For Epoxy Resin, Add	*298.48*	
		For Up To >10, Add	*2,327.57*	
		For >10 To 25, Add	*1,336.64*	
		For >25 To 50, Add	*982.88*	
		For >50 To 100, Add	*491.44*	
		For >500 To 1,000, Deduct	*-193.86*	
		For >1,000 To 2,000, Deduct	*-292.96*	
		For >2,000 To 5,000, Deduct	*-477.37*	
		For >5,000, Deduct	*-792.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,144.30	
		For Vinylester Resin, Add	*2,768.73*	
		For Epoxy Resin, Add	*326.31*	
		For Up To >10, Add	*2,544.58*	
		For >10 To 25, Add	*1,461.26*	
		For >25 To 50, Add	*1,074.52*	
		For >50 To 100, Add	*537.26*	
		For >500 To 1,000, Deduct	*-211.94*	
		For >1,000 To 2,000, Deduct	*-320.27*	
		For >2,000 To 5,000, Deduct	*-521.88*	
		For >5,000, Deduct	*-866.65*	
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,497.77	
		For Vinylester Resin, Add	*3,004.88*	
		For Epoxy Resin, Add	*354.15*	
		For Up To >10, Add	*2,761.59*	
		For >10 To 25, Add	*1,585.87*	
		For >25 To 50, Add	*1,166.16*	
		For >50 To 100, Add	*583.08*	
		For >500 To 1,000, Deduct	*-230.02*	
		For >1,000 To 2,000, Deduct	*-347.59*	
		For >2,000 To 5,000, Deduct	*-566.39*	
		For >5,000, Deduct	*-940.57*	
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,851.24	
		For Vinylester Resin, Add	*3,241.04*	
		For Epoxy Resin, Add	*381.98*	
		For Up To >10, Add	*2,978.60*	
		For >10 To 25, Add	*1,710.49*	
		For >25 To 50, Add	*1,257.80*	
		For >50 To 100, Add	*628.90*	
		For >500 To 1,000, Deduct	*-248.09*	
		For >1,000 To 2,000, Deduct	*-374.90*	
		For >2,000 To 5,000, Deduct	*-610.90*	
		For >5,000, Deduct	*-1,014.49*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,204.70	
		For Vinylester Resin, Add	*3,477.18*	
		For Epoxy Resin, Add	*409.81*	
		For Up To >10, Add	*3,195.60*	
		For >10 To 25, Add	*1,835.10*	
		For >25 To 50, Add	*1,349.43*	
		For >50 To 100, Add	*674.72*	
		For >500 To 1,000, Deduct	*-266.17*	
		For >1,000 To 2,000, Deduct	*-402.22*	
		For >2,000 To 5,000, Deduct	*-655.41*	
		For >5,000, Deduct	*-1,088.40*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,558.18	
		For Vinylester Resin, Add	*3,713.33*	
		For Epoxy Resin, Add	*437.64*	
		For Up To >10, Add	*3,412.64*	
		For >10 To 25, Add	*1,959.74*	
		For >25 To 50, Add	*1,441.08*	
		For >50 To 100, Add	*720.54*	
		For >500 To 1,000, Deduct	*-284.24*	
		For >1,000 To 2,000, Deduct	*-429.53*	
		For >2,000 To 5,000, Deduct	*-699.93*	
		For >5,000, Deduct	*-1,162.32*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,911.64	
		For Vinylester Resin, Add	*3,949.48*	
		For Epoxy Resin, Add	*465.47*	
		For Up To >10, Add	*3,629.62*	
		For >10 To 25, Add	*2,084.33*	
		For >25 To 50, Add	*1,532.70*	
		For >50 To 100, Add	*766.35*	
		For >500 To 1,000, Deduct	*-302.32*	
		For >1,000 To 2,000, Deduct	*-456.85*	
		For >2,000 To 5,000, Deduct	*-744.43*	
		For >5,000, Deduct	*-1,236.23*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,265.12	
		For Vinylester Resin, Add	*4,185.64*	
		For Epoxy Resin, Add	*493.31*	
		For Up To >10, Add	*3,846.66*	
		For >10 To 25, Add	*2,208.97*	
		For >25 To 50, Add	*1,624.36*	
		For >50 To 100, Add	*812.18*	
		For >500 To 1,000, Deduct	*-320.40*	
		For >1,000 To 2,000, Deduct	*-484.17*	
		For >2,000 To 5,000, Deduct	*-788.95*	
		For >5,000, Deduct	*-1,310.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,618.59	
		For Vinylester Resin, Add	*4,421.79*	
		For Epoxy Resin, Add	*521.14*	
		For Up To >10, Add	*4,063.67*	
		For >10 To 25, Add	*2,333.59*	
		For >25 To 50, Add	*1,715.99*	
		For >50 To 100, Add	*858.00*	
		For >500 To 1,000, Deduct	*-338.47*	
		For >1,000 To 2,000, Deduct	*-511.48*	
		For >2,000 To 5,000, Deduct	*-833.46*	
		For >5,000, Deduct	*-1,384.07*	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,972.06	
		For Vinylester Resin, Add	*4,657.94*	
		For Epoxy Resin, Add	*548.97*	
		For Up To >10, Add	*4,280.68*	
		For >10 To 25, Add	*2,458.20*	
		For >25 To 50, Add	*1,807.63*	
		For >50 To 100, Add	*903.82*	
		For >500 To 1,000, Deduct	*-356.55*	
		For >1,000 To 2,000, Deduct	*-538.80*	
		For >2,000 To 5,000, Deduct	*-877.97*	
		For >5,000, Deduct	*-1,457.98*	

33 01 30 72-0337 Ultra Violet Cured In Place (CIP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0338 Ultra Violet Cured In Place Lining Set-up and Insertion *(33 01 30 72-0337)*

33 01 30 72-0339	EA	Initial Set-up And Final Equipment Removal For Ultra Violet Relining Underground Pipelines	6,022.95
33 01 30 72-0340	EA	Move And Re-Set Different Location	2,723.16
33 01 30 72-0341	EA	Short Term Flexural ASTM D-790	1,134.65
33 01 30 72-0342	EA	Short Term Tensile ASTM D-638	1,701.98
33 01 30 72-0343	EA	Thickness ASTM D-3567	283.66
33 01 30 72-0344	EA	Long Term Flexural ASTM D-2990	17,019.75
		Note: A thickness test may be required per location	

33 01 30 72-0345 Lining Pipe With Ultra Violet Cured In Place (CIP) Liner *(33 01 30 72-0337)*

33 01 30 72-0346	LF	2.8 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe	43.57	
		For Quantities <100', Add	*22.46*	
		For Quantities >100' To 200', Add	*11.23*	
33 01 30 72-0347	LF	3.5 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe	48.65	
		For Quantities <100', Add	*23.68*	
		For Quantities >100' To 200', Add	*11.84*	
33 01 30 72-0348	LF	4.2 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe	52.74	
		For Quantities <100', Add	*24.67*	
		For Quantities >100' To 200', Add	*12.33*	
33 01 30 72-0349	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 6" Pipe	56.78	
		For Quantities <100', Add	*25.64*	
		For Quantities >100' To 200', Add	*12.82*	
33 01 30 72-0350	LF	2.8 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe	55.44	
		For Quantities <100', Add	*25.96*	
33 01 30 72-0351	LF	3.5 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe	61.43	
		For Quantities <100', Add	*27.48*	
33 01 30 72-0352	LF	4.2 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe	66.99	
		For Quantities <100', Add	*28.89*	
33 01 30 72-0353	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe	72.75	
		For Quantities <100', Add	*30.35*	
33 01 30 72-0354	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe	78.52	
		For Quantities <100', Add	*31.82*	
33 01 30 72-0355	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 8" Pipe	84.28	
		For Quantities <100', Add	*33.28*	
33 01 30 72-0356	LF	2.8 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe	62.59	
		For Quantities <100', Add	*26.46*	
33 01 30 72-0357	LF	3.5 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe	69.85	
		For Quantities <100', Add	*28.13*	
33 01 30 72-0358	LF	4.2 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe	77.11	
		For Quantities <100', Add	*29.79*	
33 01 30 72-0359	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe	84.37	
		For Quantities <100', Add	*31.46*	
33 01 30 72-0360	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe	91.61	
		For Quantities <100', Add	*33.12*	
33 01 30 72-0361	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 10" Pipe	98.87	
		For Quantities <100', Add	*34.78*	
33 01 30 72-0362	LF	2.8 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	70.89	
		For Quantities <100', Add	*27.46*	
33 01 30 72-0363	LF	3.5 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	79.52	
		For Quantities <100', Add	*29.31*	
33 01 30 72-0364	LF	4.2 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	88.27	
		For Quantities <100', Add	*31.18*	
33 01 30 72-0365	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	97.08	
		For Quantities <100', Add	*33.07*	
33 01 30 72-0366	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	105.86	
		For Quantities <100', Add	*34.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0367	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	114.64	
		For Quantities <100', Add	*36.84*	
33 01 30 72-0368	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	123.43	
		For Quantities <100', Add	*38.73*	
33 01 30 72-0369	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 12" Pipe	132.23	
		For Quantities <100', Add	*40.61*	
33 01 30 72-0370	LF	2.8 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	87.46	
		For Quantities <100', Add	*32.38*	
33 01 30 72-0371	LF	3.5 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	95.13	
		For Quantities <100', Add	*34.16*	
33 01 30 72-0372	LF	4.2 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	106.13	
		For Quantities <100', Add	*36.72*	
33 01 30 72-0373	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	117.16	
		For Quantities <100', Add	*39.28*	
33 01 30 72-0374	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	128.17	
		For Quantities <100', Add	*41.83*	
33 01 30 72-0375	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	139.18	
		For Quantities <100', Add	*44.39*	
33 01 30 72-0376	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	150.20	
		For Quantities <100', Add	*46.94*	
33 01 30 72-0377	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 15" Pipe	161.21	
		For Quantities <100', Add	*49.50*	
33 01 30 72-0378	LF	4.2 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	137.04	
		For Quantities <100', Add	*38.21*	
33 01 30 72-0379	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	150.38	
		For Quantities <100', Add	*40.39*	
33 01 30 72-0380	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	163.75	
		For Quantities <100', Add	*42.57*	
33 01 30 72-0381	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	177.07	
		For Quantities <100', Add	*44.75*	
33 01 30 72-0382	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	190.41	
		For Quantities <100', Add	*46.92*	
33 01 30 72-0383	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	203.75	
		For Quantities <100', Add	*49.10*	
33 01 30 72-0384	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	217.08	
		For Quantities <100', Add	*51.28*	
33 01 30 72-0385	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 18" Pipe	230.42	
		For Quantities <100', Add	*53.46*	
33 01 30 72-0386	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	173.10	
		For Quantities <100', Add	*42.01*	
33 01 30 72-0387	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	188.74	
		For Quantities <100', Add	*43.92*	
33 01 30 72-0388	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	204.38	
		For Quantities <100', Add	*45.82*	
33 01 30 72-0389	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	220.03	
		For Quantities <100', Add	*47.73*	
33 01 30 72-0390	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	235.67	
		For Quantities <100', Add	*49.63*	
33 01 30 72-0391	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	251.30	
		For Quantities <100', Add	*51.54*	
33 01 30 72-0392	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	266.92	
		For Quantities <100', Add	*53.44*	
33 01 30 72-0393	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	282.60	
		For Quantities <100', Add	*55.35*	
33 01 30 72-0394	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 21" Pipe	298.23	
		For Quantities <100', Add	*57.25*	
33 01 30 72-0395	LF	4.9 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	193.28	
		For Quantities <100', Add	*44.52*	
33 01 30 72-0396	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	211.23	
		For Quantities <100', Add	*46.71*	
33 01 30 72-0397	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	229.18	
		For Quantities <100', Add	*48.90*	
33 01 30 72-0398	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	247.11	
		For Quantities <100', Add	*51.09*	
33 01 30 72-0399	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	264.51	
		For Quantities <100', Add	*53.22*	
33 01 30 72-0400	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	283.01	
		For Quantities <100', Add	*55.48*	
33 01 30 72-0401	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	300.91	
		For Quantities <100', Add	*57.66*	
33 01 30 72-0402	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	318.86	
		For Quantities <100', Add	*59.85*	
33 01 30 72-0403	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 24" Pipe	336.81	
		For Quantities <100', Add	*62.04*	
33 01 30 72-0404	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	249.06	
		For Quantities <100', Add	*55.33*	
33 01 30 72-0405	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	270.48	
		For Quantities <100', Add	*57.86*	
33 01 30 72-0406	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	291.93	
		For Quantities <100', Add	*60.39*	
33 01 30 72-0407	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	313.37	
		For Quantities <100', Add	*62.92*	
33 01 30 72-0408	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	334.82	
		For Quantities <100', Add	*65.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0409	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	356.24	
		For Quantities <100', Add	*67.97*	
33 01 30 72-0410	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	377.66	
		For Quantities <100', Add	*70.50*	
33 01 30 72-0411	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	399.13	
		For Quantities <100', Add	*73.03*	
33 01 30 72-0412	LF	11.2 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	420.55	
		For Quantities <100', Add	*75.55*	
33 01 30 72-0413	LF	11.9 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	441.98	
		For Quantities <100', Add	*78.08*	
33 01 30 72-0414	LF	12.6 mm Ultra Violet Cured In Place (CIP) Liner For 27" Pipe	463.42	
		For Quantities <100', Add	*80.61*	
33 01 30 72-0415	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	267.81	
		For Quantities <100', Add	*55.88*	
33 01 30 72-0416	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	291.36	
		For Quantities <100', Add	*58.49*	
33 01 30 72-0417	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	314.94	
		For Quantities <100', Add	*61.10*	
33 01 30 72-0418	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	338.54	
		For Quantities <100', Add	*63.72*	
33 01 30 72-0419	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	362.12	
		For Quantities <100', Add	*66.33*	
33 01 30 72-0420	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	385.72	
		For Quantities <100', Add	*68.95*	
33 01 30 72-0421	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	409.28	
		For Quantities <100', Add	*71.56*	
33 01 30 72-0422	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	432.85	
		For Quantities <100', Add	*74.18*	
33 01 30 72-0423	LF	11.2 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	456.43	
		For Quantities <100', Add	*76.79*	
33 01 30 72-0424	LF	11.9 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	467.48	
		For Quantities <100', Add	*78.02*	
33 01 30 72-0425	LF	12.6 mm Ultra Violet Cured In Place (CIP) Liner For 30" Pipe	503.59	
		For Quantities <100', Add	*82.02*	
33 01 30 72-0426	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	289.03	
		For Quantities <100', Add	*56.49*	
33 01 30 72-0427	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	314.78	
		For Quantities <100', Add	*59.17*	
33 01 30 72-0428	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	340.49	
		For Quantities <100', Add	*61.85*	
33 01 30 72-0429	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	366.23	
		For Quantities <100', Add	*64.53*	
33 01 30 72-0430	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	391.98	
		For Quantities <100', Add	*67.22*	
33 01 30 72-0431	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	417.72	
		For Quantities <100', Add	*69.90*	
33 01 30 72-0432	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	443.47	
		For Quantities <100', Add	*72.58*	
33 01 30 72-0433	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	469.21	
		For Quantities <100', Add	*75.26*	
33 01 30 72-0434	LF	11.2 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	494.96	
		For Quantities <100', Add	*77.95*	
33 01 30 72-0435	LF	11.9 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	506.97	
		For Quantities <100', Add	*79.20*	
33 01 30 72-0436	LF	12.6 mm Ultra Violet Cured In Place (CIP) Liner For 33" Pipe	546.45	
		For Quantities <100', Add	*83.31*	
33 01 30 72-0437	LF	5.6 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	329.27	
		For Quantities <100', Add	*74.55*	
33 01 30 72-0438	LF	6.3 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	357.73	
		For Quantities <100', Add	*77.59*	
33 01 30 72-0439	LF	7.0 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	386.17	
		For Quantities <100', Add	*80.62*	
33 01 30 72-0440	LF	7.7 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	414.62	
		For Quantities <100', Add	*83.65*	
33 01 30 72-0441	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	443.06	
		For Quantities <100', Add	*86.68*	
33 01 30 72-0442	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	471.51	
		For Quantities <100', Add	*89.72*	
33 01 30 72-0443	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	499.93	
		For Quantities <100', Add	*92.75*	
33 01 30 72-0444	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	528.38	
		For Quantities <100', Add	*95.78*	
33 01 30 72-0445	LF	11.2 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	556.82	
		For Quantities <100', Add	*98.81*	
33 01 30 72-0446	LF	11.9 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	585.27	
		For Quantities <100', Add	*101.84*	
33 01 30 72-0447	LF	12.6 mm Ultra Violet Cured In Place (CIP) Liner For 36" Pipe	613.71	
		For Quantities <100', Add	*104.87*	
33 01 30 72-0448	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	524.77	
		For Quantities <100', Add	*98.08*	
33 01 30 72-0449	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	558.27	
		For Quantities <100', Add	*101.80*	
33 01 30 72-0450	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	591.72	
		For Quantities <100', Add	*105.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0451	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	625.17	
		For Quantities <100', Add	*109.22*	
33 01 30 72-0452	LF	11.2 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	658.61	
		For Quantities <100', Add	*112.92*	
33 01 30 72-0453	LF	11.9 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	692.06	
		For Quantities <100', Add	*116.63*	
33 01 30 72-0454	LF	12.6 mm Ultra Violet Cured In Place (CIP) Liner For 42" Pipe	725.56	
		For Quantities <100', Add	*120.35*	
33 01 30 72-0455	LF	8.4 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	584.84	
		For Quantities <100', Add	*99.83*	
33 01 30 72-0456	LF	9.1 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	623.12	
		For Quantities <100', Add	*103.73*	
33 01 30 72-0457	LF	9.8 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	661.43	
		For Quantities <100', Add	*107.63*	
33 01 30 72-0458	LF	10.5 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	699.69	
		For Quantities <100', Add	*111.52*	
33 01 30 72-0459	LF	11.2 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	738.00	
		For Quantities <100', Add	*115.42*	
33 01 30 72-0460	LF	11.9 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	776.26	
		For Quantities <100', Add	*119.32*	
33 01 30 72-0461	LF	12.6 mm Ultra Violet Cured In Place (CIP) Liner For 48" Pipe	814.54	
		For Quantities <100', Add	*123.21*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	620.33	
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	670.63	
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	712.54	
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	754.46	
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	796.37	

33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	659.65	
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	756.42	
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	853.17	

33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*

33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	717.57	
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	775.49	

33 01 30 74-0016 Lateral T-Liner *(33 01 30 74-0001)*

Note: As manufactured by LMK.

33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	871.31	
33 01 30 74-0018	EA	6" Lateral T-Liner	975.37	
33 01 30 74-0019	EA	8" Lateral T-Liner	1,132.66	

33 01 30 74-0020 Lining Lateral Pipe *(33 01 30 74-0001)*

33 01 30 74-0021 Lining Lateral Pipe *(33 01 30 74-0020)*

33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	45.92	
		For 7.5mm, Add	*5.27*	
		For 9 mm, Add	*10.42*	
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	55.08	
		For 7.5mm, Add	*7.17*	
		For 9 mm, Add	*14.18*	
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	72.27	
		For 7.5mm, Add	*10.98*	
		For 9 mm, Add	*21.72*	

33 01 30 74-0025 Lining Manhole Drop *(33 01 30 74-0020)*

33 01 30 74-0026	EA	Manhole Drop Section Lining	940.83	

33 01 30 79 Fold-and-Form Pipe Lining *(33 01 30)*

33 01 30 79-0001 Form and Fold Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Set-Up And Reinsertion For Fold-And-Form Relining Underground Pipelines *(33 01 30 79-0001)*

33 01 30 79-0003	EA	Initial Set-up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines	6,022.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0004	EA	Move And Set-up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,409.17	
33 01 30 79-0005		**Form And Fold Polyethylene (PE) Pipeliner** *(33 01 30 79-0001)*		
33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	40.36	
		For DR 26 Pipe Liner, Add	*6.86*	
		For Up To 75, Add	*24.86*	
		For >75 To 150, Add	*12.43*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.94*	
		For >2,000, Deduct	*-3.87*	
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	51.19	
		For DR 26 Pipe Liner, Add	*9.32*	
		For DR 35 Pipe Liner, Deduct	*-4.66*	
		For Up To 75, Add	*28.31*	
		For >75 To 150, Add	*14.15*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-2.09*	
		For >2,000, Deduct	*-4.17*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	53.04	
		For DR 26 Pipe Liner, Add	*9.50*	
		For DR 35 Pipe Liner, Deduct	*-4.75*	
		For Up To 75, Add	*30.19*	
		For >75 To 150, Add	*15.09*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000, Deduct	*-4.52*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	73.41	
		For DR 26 Pipe Liner, Add	*14.25*	
		For DR 35 Pipe Liner, Deduct	*-7.12*	
		For DR 41 Pipe Liner, Deduct	*-14.25*	
		For Up To 75, Add	*36.04*	
		For >75 To 150, Add	*18.02*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-2.46*	
		For >2,000, Deduct	*-4.93*	
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	101.46	
		For DR 26 Pipe Liner, Add	*20.85*	
		For DR 35 Pipe Liner, Deduct	*-10.42*	
		For DR 41 Pipe Liner, Deduct	*-20.85*	
		For Up To 75, Add	*43.78*	
		For >75 To 150, Add	*21.89*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000 To 2,000, Deduct	*-2.71*	
		For >2,000, Deduct	*-5.42*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	137.94	
		For DR 35 Pipe Liner, Deduct	*-14.68*	
		For DR 41 Pipe Liner, Deduct	*-29.35*	
		For Up To 75, Add	*54.28*	
		For >75 To 150, Add	*27.14*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-3.08*	
		For >2,000, Deduct	*-6.16*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	193.40	
		For DR 41 Pipe Liner, Deduct	*-17.02*	
		For DR 50 Pipe Liner, Deduct	*-34.05*	
		For Up To 75, Add	*68.79*	
		For >75 To 150, Add	*34.39*	
		For >500 To 1,000, Deduct	*-1.74*	
		For >1,000 To 2,000, Deduct	*-3.47*	
		For >2,000, Deduct	*-6.95*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	218.47	
		For DR 50 Pipe Liner, Deduct	*-29.01*	
		For DR 55 Pipe Liner, Deduct	*-48.34*	
		For Up To 75, Add	*76.32*	
		For >75 To 150, Add	*38.16*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000 To 2,000, Deduct	*-3.77*	
		For >2,000, Deduct	*-7.53*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	265.64	
		For DR 60 Pipe Liner, Deduct	*-35.74*	
		For Up To 75, Add	*88.71*	
		For >75 To 150, Add	*44.35*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-4.11*	
		For >2,000, Deduct	*-8.21*	
33 01 30 79-0015		**Form And Fold Polyvinyl Chloride (PVC) Pipeliner** *(33 01 30 79-0001)*		
33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	42.95	
		For Up To 75, Add	*25.37*	
		For >75 To 150, Add	*12.69*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000 To 2,000, Deduct	*-1.94*	
		For >2,000, Deduct	*-3.87*	
		For DR 26 Pipe Liner, Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	51.19	
		For Up To 75, Add	*28.31*	
		For >75 To 150, Add	*14.15*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-2.09*	
		For >2,000, Deduct	*-4.17*	
		For DR 26 Pipe Liner, Add	*9.32*	
		For DR 35 Pipe Liner, Deduct	*-4.66*	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	56.50	
		For Up To 75, Add	*30.88*	
		For >75 To 150, Add	*15.44*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000, Deduct	*-4.52*	
		For DR 26 Pipe Liner, Add	*10.36*	
		For DR 35 Pipe Liner, Deduct	*-5.18*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	78.59	
		For Up To 75, Add	*37.08*	
		For >75 To 150, Add	*18.54*	
		For >500 To 1,000, Deduct	*-1.23*	
		For >1,000 To 2,000, Deduct	*-2.46*	
		For >2,000, Deduct	*-4.93*	
		For DR 26 Pipe Liner, Add	*15.54*	
		For DR 35 Pipe Liner, Deduct	*-7.77*	
		For DR 41 Pipe Liner, Deduct	*-15.54*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	109.23	
		For Up To 75, Add	*45.34*	
		For >75 To 150, Add	*22.67*	
		For >500 To 1,000, Deduct	*-1.36*	
		For >1,000 To 2,000, Deduct	*-2.71*	
		For >2,000, Deduct	*-5.42*	
		For DR 26 Pipe Liner, Add	*22.79*	
		For DR 35 Pipe Liner, Deduct	*-11.40*	
		For DR 41 Pipe Liner, Deduct	*-22.79*	
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	148.99	
		For Up To 75, Add	*56.49*	
		For >75 To 150, Add	*28.24*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-3.08*	
		For >2,000, Deduct	*-6.16*	
		For DR 35 Pipe Liner, Deduct	*-16.06*	
		For DR 41 Pipe Liner, Deduct	*-32.12*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	209.63	
		For Up To 75, Add	*72.03*	
		For >75 To 150, Add	*36.02*	
		For >500 To 1,000, Deduct	*-1.74*	
		For >1,000 To 2,000, Deduct	*-3.47*	
		For >2,000, Deduct	*-6.95*	
		For DR 41 Pipe Liner, Deduct	*-18.65*	
		For DR 50 Pipe Liner, Deduct	*-37.29*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	236.43	
		For Up To 75, Add	*79.92*	
		For >75 To 150, Add	*39.96*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000 To 2,000, Deduct	*-3.77*	
		For >2,000, Deduct	*-7.53*	
		For DR 50 Pipe Liner, Deduct	*-31.70*	
		For DR 55 Pipe Liner, Deduct	*-52.83*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	288.43	
		For Up To 75, Add	*93.27*	
		For >75 To 150, Add	*46.63*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000 To 2,000, Deduct	*-4.11*	
		For >2,000, Deduct	*-8.21*	
		For DR 60 Pipe Liner, Deduct	*-39.16*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Set-up For Inspection And Ventilation System *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	211.89
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,812.46
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	22,404.31

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	619.02
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	652.49
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	669.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	769.60	
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	869.97	
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	970.36	
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,171.13	
33 01 30 81-0015		External Manhole Encapsulation *(33 01 30 81-0006)*		
		Note: Wrapidseal.		
33 01 30 81-0016	EA	24" External Manhole Encapsulation	903.44	
33 01 30 81-0017	EA	30" External Manhole Encapsulation	953.63	
33 01 30 81-0018	EA	36" External Manhole Encapsulation	1,020.55	
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,104.20	
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,221.32	
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,355.15	
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,522.46	
33 01 30 81-0023		Manhole Crack Repair *(33 01 30 81-0001)*		
		Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	61.55	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	82.89	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	58.11	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	78.81	
33 01 30 81-0028		Manhole Patching *(33 01 30 81-0001)*		
		Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	19.94	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	44.08	
33 01 30 81-0031		Manhole Joint Restoration *(33 01 30 81-0001)*		
		Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole	2,574.54	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*249.73*	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,005.44	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*278.85*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole	3,432.72	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*307.97*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,074.30	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*322.53*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole	4,714.07	
		Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
		For Grouting Each Additional Manhole Joint Section, Add	*337.09*	
33 01 30 81-0037		Step Installation In Existing Manholes *(33 01 30 81-0001)*		
		Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	149.32	24.49
33 01 30 81-0039	EA	Drill And Grout Galvanized Steel Manhole Step	126.03	24.49
33 01 30 81-0040	EA	Bolt On Galvanized Steel Manhole Step	142.12	24.49
33 01 30 81-0041	EA	Drill And Grout Aluminum Manhole Step	176.71	24.49
33 01 30 81-0042	EA	Drill And Insert Polypropylene Manhole Step	75.63	19.59
33 01 30 81-0043		Manhole Penetration Sealing *(33 01 30 81-0001)*		
		Note: At new pipe connection to manhole.		
33 01 30 81-0044	EA	6" To 12" Opening, Seal New Pipe Connection To Existing Manhole	463.10	
33 01 30 81-0045	EA	>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole	718.48	
33 01 30 81-0046	EA	>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole	989.76	
33 01 30 81-0047		Invert Restoration *(33 01 30 81-0001)*		
		Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0048		Concrete Invert Restoration *(33 01 30 81-0047)*		
33 01 30 81-0049	EA	2' Diameter, Concrete Invert Restoration	406.49	
33 01 30 81-0050	EA	3' Diameter, Concrete Invert Restoration	459.46	
33 01 30 81-0051	EA	4' Diameter, Concrete Invert Restoration	512.44	
33 01 30 81-0052	EA	5' Diameter, Concrete Invert Restoration	565.41	
33 01 30 81-0053	EA	6' Diameter, Concrete Invert Restoration	724.33	
33 01 30 81-0054	SF	Square Or Rectangular, Concrete Invert Restoration	40.75	
33 01 30 81-0055		Brick Invert Restoration *(33 01 30 81-0047)*		
33 01 30 81-0056	EA	2' Diameter, Brick Invert Restoration	688.30	
33 01 30 81-0057	EA	3' Diameter, Brick Invert Restoration	741.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0058	EA	4' Diameter, Brick Invert Restoration	794.24	
33 01 30 81-0059	EA	5' Diameter, Brick Invert Restoration	847.22	
33 01 30 81-0060	EA	6' Diameter, Brick Invert Restoration	900.19	
33 01 30 81-0061	SF	Square Or Rectangular, Brick Invert Restoration	57.62	

33 01 30 81-0062 Repair In-Kind Of Drainage Structures *(33 01 30 81)*

Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.

33 01 30 81-0063	VLF	2' Diameter, Repair In-Kind Drainage Structure	875.25	
33 01 30 81-0064	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,312.89	
33 01 30 81-0065	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,750.64	
33 01 30 81-0066	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,188.15	
33 01 30 81-0067	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,625.78	
33 01 30 81-0068	VLF	2' x 2', Repair In-Kind Drainage Structure	1,114.98	
33 01 30 81-0069	VLF	2' x 3', Repair In-Kind Drainage Structure	1,393.73	
33 01 30 81-0070	VLF	2' x 4', Repair In-Kind Drainage Structure	1,672.47	
33 01 30 81-0071	VLF	3' x 4', Repair In-Kind Drainage Structure	1,951.22	
33 01 30 81-0072	VLF	4' x 4', Repair In-Kind Drainage Structure	2,229.97	
33 01 30 81-0073	VLF	4' x 5', Repair In-Kind Drainage Structure	2,508.71	
33 01 30 81-0074	VLF	4' x 6', Repair In-Kind Drainage Structure	2,787.46	
33 01 30 81-0075	VLF	4' x 8', Repair In-Kind Drainage Structure	3,344.95	
33 01 30 81-0076	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,902.44	

33 01 30 82 Epoxy Lining for Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	392.48
		For 80 Mil Material, Add	*46.19*
		For 100 Mil Material, Add	*92.39*
		For 125 Mil Material, Add	*143.99*
		For 150 Mil Material, Add	*195.59*
		For 200 Mil Material, Add	*282.41*
		For 2 To 5 Manholes, Deduct	*-27.81*
		For 6 To 10 Manholes, Deduct	*-45.82*
		For >10 Manholes, Deduct	*-91.63*
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	476.17
		For 80 Mil Material, Add	*55.28*
		For 100 Mil Material, Add	*110.56*
		For 125 Mil Material, Add	*172.16*
		For 150 Mil Material, Add	*233.75*
		For 200 Mil Material, Add	*336.92*
		For 2 To 5 Manholes, Deduct	*-33.82*
		For 6 To 10 Manholes, Deduct	*-55.73*
		For >10 Manholes, Deduct	*-111.47*
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	523.32
		For 80 Mil Material, Add	*61.59*
		For 100 Mil Material, Add	*123.18*
		For 125 Mil Material, Add	*191.98*
		For 150 Mil Material, Add	*260.78*
		For 200 Mil Material, Add	*376.54*
		For 2 To 5 Manholes, Deduct	*-37.09*
		For 6 To 10 Manholes, Deduct	*-61.09*
		For >10 Manholes, Deduct	*-122.18*
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	654.22
		For 80 Mil Material, Add	*77.02*
		For 100 Mil Material, Add	*154.03*
		For 125 Mil Material, Add	*240.06*
		For 150 Mil Material, Add	*326.09*
		For 200 Mil Material, Add	*470.85*
		For 2 To 5 Manholes, Deduct	*-46.36*
		For 6 To 10 Manholes, Deduct	*-76.37*
		For >10 Manholes, Deduct	*-152.74*
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	785.05
		For 80 Mil Material, Add	*92.41*
		For 100 Mil Material, Add	*184.83*
		For 125 Mil Material, Add	*288.06*
		For 150 Mil Material, Add	*391.29*
		For 200 Mil Material, Add	*564.99*
		For 2 To 5 Manholes, Deduct	*-55.63*
		For 6 To 10 Manholes, Deduct	*-91.64*
		For >10 Manholes, Deduct	*-183.28*

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	165.30	
		For Each Additional 1/2" Thick Material, Add	*38.11*	
		For 2 To 5 Manholes, Deduct	*-11.72*	
		For 6 To 10 Manholes, Deduct	*-19.31*	
		For >10 Manholes, Deduct	*-38.63*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	191.63	
		For Each Additional 1/2" Thick Material, Add	*44.33*	
		For 2 To 5 Manholes, Deduct	*-13.59*	
		For 6 To 10 Manholes, Deduct	*-22.38*	
		For >10 Manholes, Deduct	*-44.76*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	217.97	
		For Each Additional 1/2" Thick Material, Add	*50.57*	
		For 2 To 5 Manholes, Deduct	*-15.45*	
		For 6 To 10 Manholes, Deduct	*-25.45*	
		For >10 Manholes, Deduct	*-50.90*	
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	256.30	
		For Each Additional 1/2" Thick Material, Add	*61.77*	
		For 2 To 5 Manholes, Deduct	*-18.09*	
		For 6 To 10 Manholes, Deduct	*-29.78*	
		For >10 Manholes, Deduct	*-59.56*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	279.64	
		For Each Additional 1/2" Thick Material, Add	*71.12*	
		For 2 To 5 Manholes, Deduct	*-19.62*	
		For 6 To 10 Manholes, Deduct	*-32.26*	
		For >10 Manholes, Deduct	*-64.52*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	350.26	
		For 80 Mil Material, Add	*32.12*	
		For 100 Mil Material, Add	*64.24*	
		For 125 Mil Material, Add	*98.25*	
		For 150 Mil Material, Add	*132.26*	
		For 200 Mil Material, Add	*183.89*	
		For 2 To 5 Manholes, Deduct	*-25.70*	
		For 6 To 10 Manholes, Deduct	*-42.65*	
		For >10 Manholes, Deduct	*-85.30*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	426.84	
		For 80 Mil Material, Add	*38.84*	
		For 100 Mil Material, Add	*77.68*	
		For 125 Mil Material, Add	*118.72*	
		For 150 Mil Material, Add	*159.76*	
		For 200 Mil Material, Add	*221.81*	
		For 2 To 5 Manholes, Deduct	*-31.35*	
		For 6 To 10 Manholes, Deduct	*-52.03*	
		For >10 Manholes, Deduct	*-104.07*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	467.03	
		For 80 Mil Material, Add	*42.83*	
		For 100 Mil Material, Add	*85.66*	
		For 125 Mil Material, Add	*131.00*	
		For 150 Mil Material, Add	*176.35*	
		For 200 Mil Material, Add	*245.20*	
		For 2 To 5 Manholes, Deduct	*-34.27*	
		For 6 To 10 Manholes, Deduct	*-56.87*	
		For >10 Manholes, Deduct	*-113.74*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	583.78	
		For 80 Mil Material, Add	*53.54*	
		For 100 Mil Material, Add	*107.07*	
		For 125 Mil Material, Add	*163.75*	
		For 150 Mil Material, Add	*220.43*	
		For 200 Mil Material, Add	*306.50*	
		For 2 To 5 Manholes, Deduct	*-42.84*	
		For 6 To 10 Manholes, Deduct	*-71.09*	
		For >10 Manholes, Deduct	*-142.17*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	700.54	
		For 80 Mil Material, Add	*64.24*	
		For 100 Mil Material, Add	*128.49*	
		For 125 Mil Material, Add	*196.50*	
		For 150 Mil Material, Add	*264.52*	
		For 200 Mil Material, Add	*367.80*	
		For 2 To 5 Manholes, Deduct	*-51.41*	
		For 6 To 10 Manholes, Deduct	*-85.30*	
		For >10 Manholes, Deduct	*-170.61*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	609.94	
		For 2 To 5 Manholes, Deduct	*-35.58*	
		For 6 To 10 Manholes, Deduct	*-55.91*	
		For >10 Manholes, Deduct	*-111.82*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	746.94	
		For 2 To 5 Manholes, Deduct	*-43.56*	
		For 6 To 10 Manholes, Deduct	*-68.44*	
		For >10 Manholes, Deduct	*-136.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	879.38	
		For 2 To 5 Manholes, Deduct	*-50.75*	
		For 6 To 10 Manholes, Deduct	*-79.51*	
		For >10 Manholes, Deduct	*-159.01*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,102.75	
		For 2 To 5 Manholes, Deduct	*-63.61*	
		For 6 To 10 Manholes, Deduct	*-99.65*	
		For >10 Manholes, Deduct	*-199.29*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,326.14	
		For 2 To 5 Manholes, Deduct	*-76.47*	
		For 6 To 10 Manholes, Deduct	*-119.79*	
		For >10 Manholes, Deduct	*-239.58*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*

Note: Excludes asphalt See CSI section 02 41 13 13-0038 for breakup and removal of pavement, 02 41 19 13-0057 for sawcutting pavement if required, 32 12 16 13-0022 for hand placed hot mix asphalt.

33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	594.29	
		For Lowering Manhole Rim, Add	*99.12*	
		Note: Includes digging under manhole rim		
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	663.39	
		For Lowering Manhole Rim, Add	*105.39*	
		Note: Includes digging under manhole rim		
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	726.99	
		For Lowering Manhole Rim, Add	*112.05*	
		Note: Includes digging under manhole rim		
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	798.46	
		For Lowering Manhole Rim, Add	*119.10*	
		Note: Includes digging under manhole rim		
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	858.95	
		For Lowering Manhole Rim, Add	*126.94*	
		Note: Includes digging under manhole rim		

33 01 30 86-0008 Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*

33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	699.91	
		For Lowering Manhole Rim, Add	*104.21*	
		Note: Includes digging under manhole rim		
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	760.17	
		For Lowering Manhole Rim, Add	*110.87*	
		Note: Includes digging under manhole rim		
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	834.98	
		For Lowering Manhole Rim, Add	*117.93*	
		Note: Includes digging under manhole rim		
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	908.83	
		For Lowering Manhole Rim, Add	*125.76*	
		Note: Includes digging under manhole rim		
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	979.34	
		For Lowering Manhole Rim, Add	*133.60*	
		Note: Includes digging under manhole rim		

33 01 30 86-0014 Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*

33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	812.49	
		For Lowering Manhole Rim, Add	*129.68*	
		Note: Includes digging under manhole rim		
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	857.70	
		For Lowering Manhole Rim, Add	*135.95*	
		Note: Includes digging under manhole rim		
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	907.66	
		For Lowering Manhole Rim, Add	*143.78*	
		Note: Includes digging under manhole rim		

33 01 30 86-0018 >6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*

33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	982.66	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,065.78	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,150.08	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,220.07	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,322.48	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,416.07	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,509.88	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,606.06	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0027		>12" Rise, Solid Manhole Risers *(33 01 30 86)*			
33 01 30 86-0028		Precast Concrete Manhole Riser *(33 01 30 86-0027)*			
33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser		114.65	
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser		137.27	
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser		205.40	
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser		419.99	
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser		615.01	

33 01 30 89 By-Pass Piping and Pumping of Water and Sewer Utilities *(33 01 30)*

33 01 30 89-0001		Set-Up For By-Pass Pumping Unit *(33 01 30 89)* Note: Excludes pump and hose rental. See CSI section 01 22 23 00-1359 for pump rental, 01 22 23 00-1402 for suction hose, 01 22 23 00-1421 for discharge hose.			
33 01 30 89-0002	EA	Set-up For By-Pass Pumping Unit		2,204.13	
33 01 30 89-0003	EA	Move And Set-up At Different Access/Location For By-Pass Pumping Unit		1,102.06	
33 01 30 89-0004		By-Pass Pumping *(33 01 30 89)* Note: Excludes pump rental. See CSI section 01 22 23 00-1359 for pump rental.			
33 01 30 89-0005	DAY	Maintain And Operate By-Pass Pumping Unit		551.03	
33 01 30 89-0006	WK	Maintain And Operate By-Pass Pumping Unit		2,755.15	
33 01 30 89-0007	MO	Maintain And Operate By-Pass Pumping Unit		11,571.65	
33 01 30 89-0008		Temporary Bypass And Service Lines *(33 01 30 89)* Note: Laid on ground, includes fittings and connections. Remove after use.			
33 01 30 89-0009		Temporary Water Service Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connection to building water service, and chlorination prior to each use. Remove after use.			
33 01 30 89-0010	LF	1/2" Temporary Service Hose With Fittings Note: Includes removal after use.		3.24	
33 01 30 89-0011	LF	3/4" Temporary Service Hose With Fittings Note: Includes removal after use.		4.10	
33 01 30 89-0012	LF	1" Temporary Service Hose With Fittings Note: Includes removal after use.		4.76	
33 01 30 89-0013	LF	1-1/2" Temporary Service Hose With Fittings Note: Includes removal after use.		5.68	
33 01 30 89-0014	LF	2" Temporary Service Hose With Fittings Note: Includes removal after use.		6.97	
33 01 30 89-0015	EA	Temporary Service Valve Assembly At Fire Hydrant Note: Includes removal after use.		358.94	
33 01 30 89-0016		Temporary Bypass Water Main Lines *(33 01 30 89-0008)* Note: Laid on ground, includes fittings, connections to mains and chlorination prior to each use. Remove after use.			
33 01 30 89-0017	LF	2" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.		7.44	
		For >500 To 1,000, Deduct	*-0.50*		
		For >1,000 To 5,000, Deduct	*-1.00*		
		For >5,000, Deduct	*-1.66*		
33 01 30 89-0018	LF	4" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.		12.09	
		For >500 To 1,000, Deduct	*-0.64*		
		For >1,000 To 5,000, Deduct	*-1.28*		
		For >5,000, Deduct	*-2.14*		
33 01 30 89-0019	LF	6" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.		17.26	
		For >500 To 1,000, Deduct	*-0.75*		
		For >1,000 To 5,000, Deduct	*-1.50*		
		For >5,000, Deduct	*-2.49*		
33 01 30 89-0020	LF	8" Temporary Bypass Water Main Pipe With Fittings Note: Includes removal after use.		21.83	
		For >500 To 1,000, Deduct	*-0.90*		
		For >1,000 To 5,000, Deduct	*-1.80*		
		For >5,000, Deduct	*-2.99*		
33 01 30 89-0021		Piping Protection For Temporary Water Line *(33 01 30 89-0008)*			
33 01 30 89-0022	LF	Cold Mix For Temporary Pipe Note: Install along each side of pipe edge. Unit of measure "LF" is for length of pipe and includes both sides of pipe.		3.55	
33 01 30 89-0023		Drill Meter Cover For Temporary Water Line *(33 01 30 89-0008)*			
33 01 30 89-0024	EA	Drill Meter Cover For Temporary Bypass Pipe		18.82	
33 01 30 89-0025		Temporary By-Pass Plug *(33 01 30 89)*			
33 01 30 89-0026	EA	8" To 16" Temporary By-Pass Plug		876.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 89-0027	EA	12" To 24" Temporary By-Pass Plug	1,374.27	
33 01 30 89-0028	EA	15" To 30" Temporary By-Pass Plug	2,252.85	
33 01 30 89-0029	EA	20" To 40" Temporary By-Pass Plug	2,765.71	
33 01 30 89-0030	EA	24" To 28" Temporary By-Pass Plug	3,713.20	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

33 01 34 13-0001 Pump Out Septic Tanks *(33 01 34 13)*

33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.79	

33 01 40 Operation and Maintenance of Stormwater Utilities *(33 01)*

33 01 40 00-0001 Solid Wall High-Density Polyethylene (HDPE) Culvert Slip-Lining System *(33 01 40)*

Note: Snap-Tite slip-lining system. Excludes culvert cleaning and grouting. See CSI section 33 01 30 41-0024 for culvert cleaning, 33 01 40 00-0046 for flowable fill grout.

33 01 40 00-0002	LF	6.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	55.68	
		For Profile Wall (Corrugated), Deduct	*-9.97*	
33 01 40 00-0003	LF	8.625" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	85.37	
		For Profile Wall (Corrugated), Deduct	*-15.62*	
33 01 40 00-0004	LF	10.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	77.74	
		For Profile Wall (Corrugated), Deduct	*-13.85*	
33 01 40 00-0005	LF	12.75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	103.92	
		For Profile Wall (Corrugated), Deduct	*-18.72*	
33 01 40 00-0006	LF	14" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	117.57	
		For Profile Wall (Corrugated), Deduct	*-20.97*	
33 01 40 00-0007	LF	16" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	144.17	
		For Profile Wall (Corrugated), Deduct	*-26.12*	
33 01 40 00-0008	LF	18" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	181.33	
		For Profile Wall (Corrugated), Deduct	*-32.87*	
33 01 40 00-0009	LF	20" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	224.46	
		For Profile Wall (Corrugated), Deduct	*-41.01*	
33 01 40 00-0010	LF	22" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	259.65	
		For Profile Wall (Corrugated), Deduct	*-47.57*	
33 01 40 00-0011	LF	24" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	298.14	
		For Profile Wall (Corrugated), Deduct	*-54.78*	
33 01 40 00-0012	LF	26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	341.63	
		For Profile Wall (Corrugated), Deduct	*-63.00*	
33 01 40 00-0013	LF	28" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	386.76	
		For Profile Wall (Corrugated), Deduct	*-71.54*	
33 01 40 00-0014	LF	30" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	450.95	
		For Profile Wall (Corrugated), Deduct	*-83.89*	
33 01 40 00-0015	LF	32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	518.44	
		For Profile Wall (Corrugated), Deduct	*-96.90*	
33 01 40 00-0016	LF	34" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	574.60	
		For Profile Wall (Corrugated), Deduct	*-107.65*	
33 01 40 00-0017	LF	36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	630.76	
		For Profile Wall (Corrugated), Deduct	*-118.40*	
33 01 40 00-0018	LF	39.37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	725.28	
		For Profile Wall (Corrugated), Deduct	*-136.82*	
33 01 40 00-0019	LF	42" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	819.79	
		For Profile Wall (Corrugated), Deduct	*-155.24*	
33 01 40 00-0020	LF	48" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,068.46	
		For Profile Wall (Corrugated), Deduct	*-204.48*	
33 01 40 00-0021	LF	54" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,313.87	
		For Profile Wall (Corrugated), Deduct	*-253.08*	
33 01 40 00-0022	LF	57" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,459.51	
		For Profile Wall (Corrugated), Deduct	*-281.72*	
33 01 40 00-0023	LF	60" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,603.75	
		For Profile Wall (Corrugated), Deduct	*-310.09*	
33 01 40 00-0024	LF	63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,750.82	
		For Profile Wall (Corrugated), Deduct	*-339.02*	
33 01 40 00-0025	LF	66" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	1,970.08	
		For Profile Wall (Corrugated), Deduct	*-382.14*	
33 01 40 00-0026	LF	72" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,090.28	
		For Profile Wall (Corrugated), Deduct	*-405.21*	
33 01 40 00-0027	LF	78" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,219.82	
		For Profile Wall (Corrugated), Deduct	*-429.91*	
33 01 40 00-0028	LF	84" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,410.97	
		For Profile Wall (Corrugated), Deduct	*-467.17*	
33 01 40 00-0029	LF	90" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,463.57	
		For Profile Wall (Corrugated), Deduct	*-476.72*	
33 01 40 00-0030	LF	96" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner DR 32.5	2,490.40	
		For Profile Wall (Corrugated), Deduct	*-480.88*	
33 01 40 00-0031	LF	16.5 x 23" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	300.76	
		For Profile Wall (Corrugated), Deduct	*-55.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 40 00-0032	LF	17" x 26" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	334.95	
		For Profile Wall (Corrugated), Deduct	*-61.19*	
33 01 40 00-0033	LF	18" x 29" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	370.08	
33 01 40 00-0034	LF	19" x 32" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	428.48	
		For Profile Wall (Corrugated), Deduct	*-78.61*	
33 01 40 00-0035	LF	21" x 33.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	470.34	
		For Profile Wall (Corrugated), Deduct	*-86.33*	
33 01 40 00-0036	LF	22.5 x 36" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	529.44	
		For Profile Wall (Corrugated), Deduct	*-97.51*	
33 01 40 00-0037	LF	26" x 37" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	591.96	
		For Profile Wall (Corrugated), Deduct	*-109.37*	
33 01 40 00-0038	LF	30" x 41" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	712.51	
		For Profile Wall (Corrugated), Deduct	*-132.19*	
33 01 40 00-0039	LF	31" x 46" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	803.92	
33 01 40 00-0040	LF	34" x 48.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	894.24	
		For Profile Wall (Corrugated), Deduct	*-167.25*	
33 01 40 00-0041	LF	39" x 55.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,120.26	
		For Profile Wall (Corrugated), Deduct	*-211.80*	
33 01 40 00-0042	LF	43" x 63" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,356.29	
		For Profile Wall (Corrugated), Deduct	*-258.37*	
33 01 40 00-0043	LF	48" x 75" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,758.00	
		For Profile Wall (Corrugated), Deduct	*-338.71*	
33 01 40 00-0044	LF	52" x 72.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,767.68	
		For Profile Wall (Corrugated), Deduct	*-338.71*	
33 01 40 00-0045	LF	58" x 67.5" Outside Diameter High-Density Polyethylene (HDPE) Culvert Liner For Elliptical, Arched Or Oval Culvert	1,767.68	
		For Profile Wall (Corrugated), Deduct	*-338.71*	

33 01 40 00-0046 Pumped Grouting For Slip-Lining Systems *(33 01 40)*

Note: Includes all materials, embedded piping, forms, labor and pumping equipment necessary to place and install grout.

33 01 40 00-0047	CY	Flowable Fill Grout, For Pipe Relines	641.28	

33 01 60 Operation and Maintenance of Hydronic and Steam Energy Utilities *(33 01)*

33 01 60 00-0001 Remove Steel Pipe Coatings *(33 01 60)*

Note: Excludes sand blasting. See CSI section 09 01 90 52-0016 for sand blasting.

33 01 60 00-0002	SF	Removal Of Coating From Steel Pipe	3.58	
		For Work In Restricted Working Space, Add	*1.07*	
		For PPE And Bagging Removed Coating (Includes Respirator And Disposable Suit), Add	*1.79*	

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001 Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*

33 01 70 51-0002 Set-up For Video Camera *(33 01 70 51-0001)*

33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set-up For Video Inspection, Gas Pipe Or Electrical Duct	311.34	
33 01 70 51-0004	EA	Initial Set-up And Final Equipment Removal For >12" To 48" Diameter, Video Inspection, Gas Pipe	350.27	
33 01 70 51-0005	EA	Move And Set-up For Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	77.84	
33 01 70 51-0006	EA	Move And Set-up For >12" To 48" Diameter, Video Inspection, Gas Pipe	116.76	

33 01 70 51-0007 Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*

33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.20	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.12*	
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.85	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.19*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001 Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.

33 01 70 72-0002 2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	8.63	
		For Up To >10, Add	*16.37*	
		For >10 To 25, Add	*13.00*	
		For >25 To 50, Add	*7.99*	
		For >50 To 100, Add	*4.00*	
		For >500 To 1,000, Deduct	*-0.55*	
		For >1,000 To 2,000, Deduct	*-0.89*	
		For >2,000 To 5,000, Deduct	*-1.66*	
		For >5,000, Deduct	*-2.69*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.56	
		For Up To >10, Add	*18.83*	
		For >10 To 25, Add	*14.84*	
		For >25 To 50, Add	*9.16*	
		For >50 To 100, Add	*4.58*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-1.06*	
		For >2,000 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-3.20*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	13.25	
		For Up To >10, Add	*23.55*	
		For >10 To 25, Add	*18.55*	
		For >25 To 50, Add	*11.45*	
		For >50 To 100, Add	*5.73*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000 To 2,000, Deduct	*-1.33*	
		For >2,000 To 5,000, Deduct	*-2.47*	
		For >5,000, Deduct	*-4.00*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	15.65	
		For Up To >10, Add	*27.40*	
		For >10 To 25, Add	*21.53*	
		For >25 To 50, Add	*13.31*	
		For >50 To 100, Add	*6.65*	
		For >500 To 1,000, Deduct	*-0.98*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.90*	
		For >5,000, Deduct	*-4.70*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	17.59	
		For Up To >10, Add	*29.87*	
		For >10 To 25, Add	*23.37*	
		For >25 To 50, Add	*14.48*	
		For >50 To 100, Add	*7.24*	
		For >500 To 1,000, Deduct	*-1.09*	
		For >1,000 To 2,000, Deduct	*-1.74*	
		For >2,000 To 5,000, Deduct	*-3.21*	
		For >5,000, Deduct	*-5.20*	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	19.83	
		For Up To >10, Add	*33.24*	
		For >10 To 25, Add	*25.95*	
		For >25 To 50, Add	*16.10*	
		For >50 To 100, Add	*8.05*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-1.95*	
		For >2,000 To 5,000, Deduct	*-3.59*	
		For >5,000, Deduct	*-5.83*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	23.42	
		For Up To >10, Add	*37.31*	
		For >10 To 25, Add	*28.90*	
		For >25 To 50, Add	*18.00*	
		For >50 To 100, Add	*9.00*	
		For >500 To 1,000, Deduct	*-1.43*	
		For >1,000 To 2,000, Deduct	*-2.27*	
		For >2,000 To 5,000, Deduct	*-4.14*	
		For >5,000, Deduct	*-6.73*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	26.99	
		For Up To >10, Add	*41.35*	
		For >10 To 25, Add	*31.81*	
		For >25 To 50, Add	*19.88*	
		For >50 To 100, Add	*9.94*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000 To 2,000, Deduct	*-2.58*	
		For >2,000 To 5,000, Deduct	*-4.69*	
		For >5,000, Deduct	*-7.63*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	10.67	
		For Up To >10, Add	*18.14*	
		For >10 To 25, Add	*14.19*	
		For >25 To 50, Add	*8.79*	
		For >50 To 100, Add	*4.40*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-1.06*	
		For >2,000 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-3.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.88	
		For Up To >10, Add	*22.74*	
		For >10 To 25, Add	*17.69*	
		For >25 To 50, Add	*10.99*	
		For >50 To 100, Add	*5.50*	
		For >500 To 1,000, Deduct	*-0.85*	
		For >1,000 To 2,000, Deduct	*-1.36*	
		For >2,000 To 5,000, Deduct	*-2.49*	
		For >5,000, Deduct	*-4.04*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	17.09	
		For Up To >10, Add	*27.35*	
		For >10 To 25, Add	*21.19*	
		For >25 To 50, Add	*13.19*	
		For >50 To 100, Add	*6.60*	
		For >500 To 1,000, Deduct	*-1.04*	
		For >1,000 To 2,000, Deduct	*-1.66*	
		For >2,000 To 5,000, Deduct	*-3.03*	
		For >5,000, Deduct	*-4.92*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	20.00	
		For Up To >10, Add	*31.08*	
		For >10 To 25, Add	*23.97*	
		For >25 To 50, Add	*14.96*	
		For >50 To 100, Add	*7.48*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000 To 2,000, Deduct	*-1.92*	
		For >2,000 To 5,000, Deduct	*-3.50*	
		For >5,000, Deduct	*-5.69*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	22.77	
		For Up To >10, Add	*34.36*	
		For >10 To 25, Add	*26.37*	
		For >25 To 50, Add	*16.50*	
		For >50 To 100, Add	*8.25*	
		For >500 To 1,000, Deduct	*-1.37*	
		For >1,000 To 2,000, Deduct	*-2.17*	
		For >2,000 To 5,000, Deduct	*-3.93*	
		For >5,000, Deduct	*-6.39*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	25.67	
		For Up To >10, Add	*38.04*	
		For >10 To 25, Add	*29.10*	
		For >25 To 50, Add	*18.24*	
		For >50 To 100, Add	*9.12*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.43*	
		For >2,000 To 5,000, Deduct	*-4.39*	
		For >5,000, Deduct	*-7.15*	
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	31.36	
		For Up To >10, Add	*45.06*	
		For >10 To 25, Add	*34.28*	
		For >25 To 50, Add	*21.55*	
		For >50 To 100, Add	*10.77*	
		For >500 To 1,000, Deduct	*-1.86*	
		For >1,000 To 2,000, Deduct	*-2.94*	
		For >2,000 To 5,000, Deduct	*-5.29*	
		For >5,000, Deduct	*-8.62*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	36.57	
		For Up To >10, Add	*50.66*	
		For >10 To 25, Add	*38.28*	
		For >25 To 50, Add	*24.15*	
		For >50 To 100, Add	*12.07*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000 To 2,000, Deduct	*-3.39*	
		For >2,000 To 5,000, Deduct	*-6.07*	
		For >5,000, Deduct	*-9.90*	

33 05 Common Work Results for Utilities *(33)*

33 05 05 Buried Piping Installation *(33 05)*

33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

33 05 05 43-0002	EA	Initial Set-up And Final Equipment Removal For Deflection Testing (Mandrel)	717.87	
33 05 05 43-0003	EA	Move And Set-up At Different Access/Location For Deflection Testing (Mandrel)	358.94	
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.12	
		For >100 To 200, Deduct	*-0.06*	
		For >200 To 400, Deduct	*-0.11*	
		For >400, Deduct	*-0.18*	
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.67	
		For >100 To 200, Deduct	*-0.08*	
		For >200 To 400, Deduct	*-0.14*	
		For >400, Deduct	*-0.23*	
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.99	
		For >100 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.17*	
		For >400, Deduct	*-0.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.33	
		For >100 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.30*	
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.61	
		For >100 To 200, Deduct	*-0.11*	
		For >200 To 400, Deduct	*-0.21*	
		For >400, Deduct	*-0.33*	
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.74	
		For >100 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.23*	
		For >400, Deduct	*-0.36*	
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.90	
		For >100 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.25*	
		For >400, Deduct	*-0.39*	
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.20	
		For >100 To 200, Deduct	*-0.16*	
		For >200 To 400, Deduct	*-0.29*	
		For >400, Deduct	*-0.46*	
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.80	
		For >100 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.38*	
		For >400, Deduct	*-0.59*	
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	5.10	
		For >100 To 200, Deduct	*-0.30*	
		For >200 To 400, Deduct	*-0.56*	
		For >400, Deduct	*-0.88*	
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.50	
		For >100 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.19*	

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	28.40
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	34.28
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	47.01
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	60.72
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	111.26
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	162.32
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	195.05
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	233.01
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	403.18
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	504.70
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	622.52
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	711.24
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	916.47
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	987.52
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,073.97
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,125.94
33 05 07 13-0018	EA	Minimum Set-up Charge For 8" To 20" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,665.31
33 05 07 13-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,236.13
33 05 07 13-0020	EA	Minimum Set-up Charge For >36" Horizontal Augering Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,316.30

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	15.45
		For Horizontal Boring Through Rock, Add	*10.82*
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	23.17
		For Horizontal Boring Through Rock, Add	*16.22*
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	32.18
		For Horizontal Boring Through Rock, Add	*22.53*
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	39.91
		For Horizontal Boring Through Rock, Add	*27.94*
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	47.62
		For Horizontal Boring Through Rock, Add	*33.33*
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	55.35
		For Horizontal Boring Through Rock, Add	*38.75*
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	64.36
		For Horizontal Boring Through Rock, Add	*45.05*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	78.54	
		For Horizontal Boring Through Rock, Add	*54.98*	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	85.09	
		For Horizontal Boring Through Rock, Add	*59.56*	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	91.64	
		For Horizontal Boring Through Rock, Add	*64.15*	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	189.81	
		For Horizontal Boring Through Rock, Add	*132.87*	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	298.17	
		For Horizontal Boring Through Rock, Add	*208.72*	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	454.53	
		For Horizontal Boring Through Rock, Add	*318.17*	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	727.24	
		For Horizontal Boring Through Rock, Add	*509.07*	
33 05 07 13-0036	EA	Minimum Set-up Charge For Up To 6" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,831.84	
33 05 07 13-0037	EA	Minimum Set-up Charge For >6" To 18" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,665.31	
33 05 07 13-0038	EA	Minimum Set-up Charge For >18" To 36" Horizontal Directional Boring Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,236.13	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	73.36	
		For Horizontal Jacking Through Rock, Add	*35.18*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	87.96	
		For Horizontal Jacking Through Rock, Add	*42.45*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	118.88	
		For Horizontal Jacking Through Rock, Add	*58.21*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	153.64	
		For Horizontal Jacking Through Rock, Add	*75.19*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	208.19	
		For Horizontal Jacking Through Rock, Add	*103.08*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	305.20	
		For Horizontal Jacking Through Rock, Add	*150.39*	
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	367.42	
		For Horizontal Jacking Through Rock, Add	*180.71*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	438.68	
		For Horizontal Jacking Through Rock, Add	*215.88*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	684.55	
		For Horizontal Jacking Through Rock, Add	*374.75*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	1,126.15	
		For Horizontal Jacking Through Rock, Add	*420.57*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,309.23	
		For Horizontal Jacking Through Rock, Add	*519.31*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	1,478.67	
		For Horizontal Jacking Through Rock, Add	*593.79*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	1,588.46	
		For Horizontal Jacking Through Rock, Add	*641.22*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,722.47	
		For Horizontal Jacking Through Rock, Add	*690.90*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,840.97	
		For Horizontal Jacking Through Rock, Add	*751.93*	
33 05 07 23-0017	EA	Minimum Set-up Charge For Up To 6" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,831.84	
33 05 07 23-0018	EA	Minimum Set-up Charge For >6" To 20" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,665.31	
33 05 07 23-0019	EA	Minimum Set-up Charge For >20" To 36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,236.13	
33 05 07 23-0020	EA	Minimum Set-up Charge For >36" Horizontal Jacking Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,316.30	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	21.66	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	22.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.78	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	26.67	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	33.81	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	38.27	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	42.73	
33 05 07 24-0010		Polyethylene Pipe *(33 05 07 24-0001)* Note: Includes detectable tracer wire.		
33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.26	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.88	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.47	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.99	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.55	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.13	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.74	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.76	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.01	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	14.26	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	18.50	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	25.10	

33 05 09 Piping Specials for Utilities *(33 05)*

33 05 09 13 Couplings for Utility Piping *(33 05 09)*
See CSI section 33 42 11 00-0060 for couplings.

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0568 for mechanical restraints, 33 14 13 13-0603 for flanged restraints, 33 14 13 13-1188 for slip-on restraints, 33 14 13 13-1204 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0533 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0877 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*

See CSI section 33 42 11 00-0274 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*

See CSI section 33 14 13 23-0426 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 42 11 00-0296 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*

See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*

See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*

Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.08		
		For Up To 250, Add		*0.13*	
		For >250 To 500, Add		*0.09*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.56		
		For Up To 250, Add		*0.16*	
		For >250 To 500, Add		*0.11*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.96		
		For Up To 250, Add		*0.18*	
		For >250 To 500, Add		*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.45		
		For Up To 250, Add		*0.21*	
		For >250 To 500, Add		*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.34		
		For Up To 250, Add		*0.45*	
		For >250 To 500, Add		*0.30*	
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.27		
		For Up To 250, Add		*0.69*	
		For >250 To 500, Add		*0.46*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.17		
		For Up To 250, Add		*0.14*	
		For >250 To 500, Add		*0.10*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.73		
		For Up To 250, Add		*0.18*	
		For >250 To 500, Add		*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.10		
		For Up To 250, Add		*0.20*	
		For >250 To 500, Add		*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.79		
		For Up To 250, Add		*0.27*	
		For >250 To 500, Add		*0.18*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.10		
		For Up To 250, Add		*0.56*	
		For >250 To 500, Add		*0.38*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	10.23		
		For Up To 250, Add		*0.83*	
		For >250 To 500, Add		*0.55*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0094 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0019 for reinforced concrete elliptical pipe.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0400 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover.
See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,822.60	326.48
		For Bitumastic Coating, Add	*84.11*	
		For Epoxy Coating, Add	*160.72*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,483.80	468.94
		For Bitumastic Coating, Add	*126.16*	
		For Epoxy Coating, Add	*241.09*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,346.83	712.32
		For Bitumastic Coating, Add	*168.22*	
		For Epoxy Coating, Add	*321.45*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	354.34	83.10
		For Bitumastic Coating, Add	*21.03*	
		For Epoxy Coating, Add	*40.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	381.93	83.10
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	611.61	83.10
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	488.27	83.10
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	698.34	83.10

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,525.66	373.97
		For Bitumastic Coating, Add	*84.11*	
		For Epoxy Coating, Add	*160.72*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,372.02	510.49
		For Bitumastic Coating, Add	*126.16*	
		For Epoxy Coating, Add	*241.09*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,456.80	771.68
		For Bitumastic Coating, Add	*168.22*	
		For Epoxy Coating, Add	*321.45*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	478.08	97.95
		For Bitumastic Coating, Add	*21.03*	
		For Epoxy Coating, Add	*40.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	519.91	97.95
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	868.00	97.95
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	681.08	97.95
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	999.49	97.95

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	4,726.24	415.52
		For Bitumastic Coating, Add	*108.37*	
		For Epoxy Coating, Add	*259.10*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,295.23	569.86
		For Bitumastic Coating, Add	*162.55*	
		For Epoxy Coating, Add	*388.65*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,128.49	854.78
		For Bitumastic Coating, Add	*216.74*	
		For Epoxy Coating, Add	*518.21*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	845.72	106.85
		For Bitumastic Coating, Add	*27.09*	
		For Epoxy Coating, Add	*64.78*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	6,335.73	463.01
		For Bitumastic Coating, Add	*124.07*	
		For Epoxy Coating, Add	*303.34*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	8,253.89	629.22
		For Bitumastic Coating, Add	*186.10*	
		For Epoxy Coating, Add	*455.01*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	10,467.91	949.76
		For Bitumastic Coating, Add	*248.13*	
		For Epoxy Coating, Add	*606.68*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,026.63	118.72
		For Bitumastic Coating, Add	*31.02*	
		For Epoxy Coating, Add	*75.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0031		**7' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	9,975.53	510.49
		For Bitumastic Coating, Add	*263.83*	
		For Epoxy Coating, Add	*530.07*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	12,901.97	696.29
		For Bitumastic Coating, Add	*395.74*	
		For Epoxy Coating, Add	*795.10*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	16,153.69	1,044.73
		For Bitumastic Coating, Add	*527.66*	
		For Epoxy Coating, Add	*1,060.14*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,538.61	130.59
		For Bitumastic Coating, Add	*65.96*	
		For Epoxy Coating, Add	*132.52*	
33 05 61 00-0036		**8' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	14,427.72	587.66
		For Bitumastic Coating, Add	*311.90*	
		For Epoxy Coating, Add	*646.11*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	18,709.91	801.36
		For Bitumastic Coating, Add	*467.86*	
		For Epoxy Coating, Add	*969.16*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	23,366.06	1,202.04
		For Bitumastic Coating, Add	*623.81*	
		For Epoxy Coating, Add	*1,292.21*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,224.20	148.40
		For Bitumastic Coating, Add	*77.98*	
		For Epoxy Coating, Add	*161.53*	
33 05 61 00-0041		**10' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0042	EA	4' Deep, 10' Diameter, Precast Concrete Manhole	22,314.88	675.51
		For Bitumastic Coating, Add	*551.47*	
		For Epoxy Coating, Add	*1,092.96*	
33 05 61 00-0043	EA	6' Deep, 10' Diameter, Precast Concrete Manhole	28,212.00	921.27
		For Bitumastic Coating, Add	*827.21*	
		For Epoxy Coating, Add	*1,639.44*	
33 05 61 00-0044	EA	8' Deep, 10' Diameter, Precast Concrete Manhole	34,537.71	1,381.90
		For Bitumastic Coating, Add	*1,102.95*	
		For Epoxy Coating, Add	*2,185.92*	
33 05 61 00-0045	VLF	Riser For 10' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	3,043.24	170.96
		For Bitumastic Coating, Add	*137.87*	
		For Epoxy Coating, Add	*273.24*	
33 05 61 00-0046		**12' Diameter, Precast Concrete Manholes** *(33 05 61 00-0002)*		
33 05 61 00-0047	EA	4' Deep, 12' Diameter, Precast Concrete Manhole	31,699.86	776.43
		For Bitumastic Coating, Add	*661.27*	
		For Epoxy Coating, Add	*1,322.63*	
33 05 61 00-0048	EA	6' Deep, 12' Diameter, Precast Concrete Manhole	40,023.16	1,060.17
		For Bitumastic Coating, Add	*991.90*	
		For Epoxy Coating, Add	*1,983.94*	
33 05 61 00-0049	EA	8' Deep, 12' Diameter, Precast Concrete Manhole	48,840.34	1,589.66
		For Bitumastic Coating, Add	*1,322.54*	
		For Epoxy Coating, Add	*2,645.26*	
33 05 61 00-0050	VLF	Riser For 12' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	4,271.47	195.89
		For Bitumastic Coating, Add	*165.32*	
		For Epoxy Coating, Add	*330.66*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0012 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*
Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,858.59
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,029.70
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,297.81
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,581.19
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,427.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,824.48	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,222.49	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,324.70	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	13,324.70	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,777.92	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,449.40	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,073.13	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,828.09	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,814.43	
33 05 63 00-0018		**7' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,076.19	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,292.78	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,783.54	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,026.27	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,407.55	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,727.08	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,505.21	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,595.72	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,490.23	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,202.58	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,226.80	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,947.28	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,123.85	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,237.87	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,382.10	
33 05 63 00-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,636.00	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,001.75	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,754.72	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,232.74	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,593.21	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,184.70	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,776.18	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,655.72	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,627.29	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,003.04	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,821.40	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,418.34	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	20,662.59	
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,677.49	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,176.01	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,864.17	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,971.91	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,758.76	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,544.87	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,924.17	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,335.49	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,719.68	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	8,337.65	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	11,565.12	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,964.05	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	8,337.65	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	10,762.57	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	13,425.86	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	19,181.36	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	337.23	25.89
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	294.11	57.50
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	448.90	86.26
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	520.62	86.26
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	496.92	86.26
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	600.37	86.26
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	584.76	86.26
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	794.22	86.26
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,127.43	115.01
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,578.22	115.01
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,028.04	158.13
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,169.21	158.13
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,903.58	158.13
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,098.12	172.51
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,560.53	172.51
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,938.68	172.51
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,833.06	172.51
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,607.08	276.96
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,303.03	276.96
33 05 63 00-0092		Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	430.93	25.89
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	560.50	86.26
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	675.95	86.26
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	624.27	86.26
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	712.69	86.26
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	735.87	86.26
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	946.64	86.26
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,265.35	158.13
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,406.52	158.13
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,140.92	158.13
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,884.39	276.96
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,585.64	276.96
33 05 63 00-0105		Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0106		Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	551.51	25.89
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	466.71	25.89
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	386.31	86.26
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.35	86.26
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	131.71	25.89
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	202.63	25.89
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.72	25.89
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	340.61	25.89
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	288.91	57.50
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	311.76	57.50
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	199.58	25.89
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	227.49	25.89
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.38	57.50
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.80	57.50
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	322.94	57.50
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	388.64	86.26
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	426.32	86.26
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	454.34	86.26
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	496.54	86.26
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	580.70	86.26
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	631.75	86.26
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	687.62	86.26
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	722.74	86.26
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	862.64	115.01
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	875.11	158.13
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,119.77	158.13
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,345.68	158.13
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,488.35	158.13
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,630.25	158.13
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,878.59	276.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,378.46	276.96
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,559.66	276.96
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,906.14	276.96
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,902.58	276.96
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,031.92	276.96
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,280.66	276.96
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,103.74	296.75
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,279.35	296.75
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,503.56	296.75
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,593.27	296.75
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,624.45	296.75
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,966.08	296.75
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,302.63	296.75
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,022.47	296.75
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,399.54	316.53
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,182.75	316.53
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,349.96	316.53

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	516.23	86.26
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.47	86.26
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	220.68	25.89
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	317.61	25.89
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	424.75	25.89
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	439.67	25.89
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	386.46	57.50
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	402.37	57.50
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.63	57.50
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	296.60	25.89
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	349.96	25.89
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	423.11	57.50
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	461.53	57.50
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	437.87	57.50
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	515.52	86.26
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.66	86.26
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	605.75	86.26
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	647.68	86.26
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	731.59	86.26
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	782.87	86.26
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	838.49	86.26
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	873.86	86.26
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,071.39	115.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,112.45	158.13
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,356.81	158.13
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,582.47	158.13
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,724.92	158.13
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,867.29	158.13
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,653.15	276.96
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,834.62	276.96
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,180.84	276.96
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	474.75	86.26
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	551.04	86.26
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	163.97	25.89
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	267.81	25.89
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	383.31	25.89
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	398.50	25.89
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	359.18	57.50
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	403.40	57.50
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	234.75	25.89
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	380.91	57.50
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	435.99	57.50
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	395.22	57.50
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	509.67	86.26
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	584.98	86.26
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	610.02	86.26
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	669.65	86.26
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	724.51	86.26
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	776.30	86.26
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	869.04	86.26
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	881.97	86.26
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,087.56	115.01
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,133.41	158.13
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,403.29	158.13
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,670.19	158.13
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,847.47	158.13
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,024.75	158.13
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,208.89	276.96
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,708.77	276.96
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,904.11	276.96
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,250.35	276.96
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,403.08	276.96
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,450.90	276.96
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,914.86	276.96
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,710.88	296.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,801.62	296.75
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,059.02	296.75
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,253.84	296.75
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,993.43	296.75
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,690.18	296.75
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,210.36	296.75
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,522.98	296.75
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,259.44	316.53
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,042.97	316.53
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,781.73	316.53
33 05 63 00-0231		**Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	604.65	86.26
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	705.45	86.26
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	252.22	25.89
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	382.57	25.89
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	482.14	25.89
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	497.53	25.89
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	472.91	57.50
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	516.86	57.50
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	360.86	25.89
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	494.12	57.50
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	549.20	57.50
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	477.70	57.50
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	637.06	86.26
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	712.37	86.26
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	761.14	86.26
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	820.79	86.26
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	875.63	86.26
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	927.44	86.26
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,020.20	86.26
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,033.08	86.26
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,296.04	115.01
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,370.72	158.13
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,640.36	158.13
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,906.97	158.13
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,084.38	158.13
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,261.79	158.13
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,983.72	276.96
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,179.32	276.96
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,525.31	276.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0261		**Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	506.42	86.26
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	341.98	57.50
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	384.45	57.50
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	451.30	86.26
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	355.89	57.50
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	396.57	57.50
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	372.22	86.26
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	416.48	86.26
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	479.55	115.01
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	523.00	115.01
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	621.70	158.13
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,120.67	276.96
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,073.16	276.96
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,083.53	276.96
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,447.31	296.75
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,268.47	316.53
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,958.63	316.53
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	604.47	86.26
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	631.51	86.26
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	677.66	115.01
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	721.58	115.01
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	838.98	158.13
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,380.23	276.96
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	472.28	86.26
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	525.62	86.26
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	698.22	158.13
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,396.44	296.75
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	130.82	11.51
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	132.53	11.51
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	122.78	11.51
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	132.86	11.51
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	134.15	11.50
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	154.00	11.50
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	178.55	11.50
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,176.70	35.61
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,030.32	35.61
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,540.20	35.61
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,557.58	35.61
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,763.89	35.61
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,921.47	35.61
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,084.95	35.61
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	111.95	11.50
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	160.67	11.50
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	162.94	11.50
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	205.16	11.50
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	154.63	11.50
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	242.82	11.50
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	190.51	11.50
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	391.62	11.50
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	342.76	17.25
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	429.81	17.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	554.09	20.13
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	780.80	27.70
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	811.65	52.75
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	207.69	11.50
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	296.40	11.50
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	337.35	11.50
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	561.35	11.50
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	462.42	17.25
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	782.01	20.13
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,027.70	27.70
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,386.57	35.61
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,233.20	35.61
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,720.92	35.61
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,239.63	35.61
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,145.01	35.61
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,253.87	35.61
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,023.73	35.61
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	273.41	11.50
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	299.04	11.50
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	393.95	11.50
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	449.03	11.50
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	776.59	11.50
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	563.85	17.25
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	771.23	17.25
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,196.13	20.13
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,371.39	27.70
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,427.01	52.75
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,650.63	35.61
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,302.73	35.61
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,219.93	35.61
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,873.78	35.61
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	4,759.69	35.61
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	7,344.36	35.61

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	150.33	11.51
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	158.91	11.51
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	161.70	11.50
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	162.76	11.50
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.91	11.50
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	119.86	11.50
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	168.78	11.50
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	170.35	11.50
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	213.52	11.50
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	163.72	11.50
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	200.12	11.50
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	251.66	11.50
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	348.69	17.25
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	438.92	17.25
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	821.02	52.75
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	99.75	11.51
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	156.23	11.51
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	173.83	11.51
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	166.01	11.51
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	136.68	11.50
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	215.78	11.50
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	234.06	11.50
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	305.00	11.50
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	346.69	11.50
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	470.78	17.25
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	588.00	17.25
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,080.03	52.75

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	80.33	11.51
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	95.52	11.51
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	115.97	11.51
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	125.07	11.51
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	124.81	11.50
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	148.11	11.50
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	171.00	11.50
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	414.89	17.25
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	777.56	52.75
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,163.91	35.61
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,015.87	35.61
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,516.43	35.61
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,463.50	35.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,750.09	35.61
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,870.49	35.61
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,986.97	35.61
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	107.63	11.50
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	105.10	11.50
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	155.21	11.50
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	170.55	11.50
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	193.04	11.50
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.79	11.50
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	163.72	11.50
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	232.20	11.50
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	335.88	17.25
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	419.61	17.25
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	414.64	17.25
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	749.71	27.70
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	777.56	31.66

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,211.60	35.61
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,751.86	35.61
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,016.84	52.75
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,346.64	52.75
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,438.45	35.61
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,958.41	35.61

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	470.93	17.25
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	878.11	27.70
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	918.57	52.75
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	76.10	11.51
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	125.87	11.51
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	138.46	11.51
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	146.80	11.51
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	128.84	11.50
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	226.64	11.50
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	630.83	17.25
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,166.47	27.70
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,222.83	52.75

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,145.64	284.05
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,953.60	426.08
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*119.56*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,340.39	568.11
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*212.45*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,443.15	568.11
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*270.13*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,849.57	710.13
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*326.72*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,019.98	710.13
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*355.21*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,471.60	852.15
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*416.30*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,977.78	994.19
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*570.70*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,978.30	852.15
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*605.62*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	4,021.89	852.15
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*435.42*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	866.57	284.05
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,029.37	319.56
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,283.93	355.07
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	97.43	
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	74.14	
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	124.82	

33 05 81 00-0006 Inlet shields *(33 05 81 00-0001)*

33 05 81 00-0007	EA	Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes Note: Includes installing hook in concrete.	586.28	
33 05 81 00-0008	EA	Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes, Flush Mount With Plate And Hook Note: Includes bolting plate to concrete.	745.60	
33 05 81 00-0009	EA	Stainless Steel Inlet Shield (BMP) With 2-1/8" Diameter Holes, Riser Mount With Plate And Hook Note: Includes bolting plate to concrete.	790.67	
33 05 81 00-0010	EA	Fixed Stainless Steel Inlet Shield (BMP) With 1" Diameter Holes, Flush Mount Note: Includes bolting plate to concrete.	805.69	
33 05 81 00-0011	EA	Fixed Stainless Steel Inlet Shield (BMP) With 1" Diameter Holes, Riser Mount Note: Includes bolting plate to concrete.	835.73	

33 05 81 00-0012 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0013 Regular Manhole Covers And Frames *(33 05 81 00-0012)*

33 05 81 00-0014	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,759.78	102.10
		For Ductile Iron Castings, Add	*2,415.78*	
33 05 81 00-0015	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	1,983.83	102.10
		For Ductile Iron Castings, Add	*1,172.61*	
33 05 81 00-0016	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,293.00	118.72
		For Ductile Iron Castings, Add	*1,355.78*	
33 05 81 00-0017	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,760.99	131.78
		For Ductile Iron Castings, Add	*2,355.68*	
33 05 81 00-0018	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	3,098.81	142.47
		For Ductile Iron Castings, Add	*1,868.80*	
33 05 81 00-0019	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,235.25	148.40
		For Ductile Iron Castings, Add	*1,953.05*	

33 05 81 00-0020 Watertight Type Manhole Covers And Frames *(33 05 81 00-0012)*

33 05 81 00-0021	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,146.41	84.30
		For Ductile Iron Castings, Add	*2,667.63*	
33 05 81 00-0022	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,186.52	84.30
		For Ductile Iron Castings, Add	*2,676.37*	
33 05 81 00-0023	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,244.33	98.54
		For Ductile Iron Castings, Add	*2,694.02*	
33 05 81 00-0024	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,096.13	110.41
		For Ductile Iron Castings, Add	*3,266.92*	
33 05 81 00-0025	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,954.70	112.78
		For Ductile Iron Castings, Add	*3,856.66*	
33 05 81 00-0026	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,284.80	115.16
		For Ductile Iron Castings, Add	*4,083.65*	
33 05 81 00-0027	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,579.77	118.72
		For Ductile Iron Castings, Add	*4,285.89*	

33 05 81 00-0028 Aluminum Manhole Covers And Frames *(33 05 81 00-0012)*

33 05 81 00-0029	EA	12" Square Aluminum Manhole Cover With Frame	1,587.71	33.54
33 05 81 00-0030	EA	18" Square Aluminum Manhole Cover With Frame	2,944.12	37.13
33 05 81 00-0031	EA	24" Square Aluminum Manhole Cover With Frame	4,241.48	43.12

33 05 81 00-0032 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0012)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0033	EA	Removal And Reinstallation Of Manhole Cover And Frame	475.99	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	57.08	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 83 00-0004		Rainguard Inflow Protectors *(33 05 83)*		
33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	148.59	24.49
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	173.42	24.49
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	207.30	29.38
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	222.99	29.38
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	277.53	34.28
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	296.80	34.28

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001		Manhole Accessories *(33 05 84)*		
33 05 84 00-0002		Precast Concrete Manhole Tops *(33 05 84 00-0001)*		
33 05 84 00-0003		Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*		
33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	662.58	89.04
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	930.36	96.16
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,262.50	103.29
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,513.43	110.41
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,310.87	118.72
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	3,089.23	127.62
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,273.61	136.53
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,490.06	146.92
33 05 84 00-0012		Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*		
33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,058.04	111.30
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,177.98	115.75
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,297.95	120.20
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,531.88	127.62
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,771.79	136.53
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,817.07	145.43
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,540.97	160.27
33 05 84 00-0020		Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*		
33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,388.79	103.29
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,790.89	110.41
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,368.33	110.41
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,755.74	110.41
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,835.10	110.41
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	7,008.64	110.41
33 05 84 00-0027		Pipe To Manhole Connector *(33 05 84 00-0001)*		
33 05 84 00-0028		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0027)*		
33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	95.70	
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	140.77	
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	158.71	
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	239.84	
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	335.09	
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	443.59	
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	798.41	
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,108.67	
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,748.04	
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	2,058.50	
33 05 84 00-0039		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0027)* Note: Fernco CMA.		
33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	121.81	
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	169.30	
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	213.98	
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	258.42	
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	299.77	
33 05 84 00-0045		Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0027)*		
33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout	298.99	
33 05 84 00-0047		Inverts For Manholes *(33 05 84 00-0001)*		
33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes	467.82	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes	677.78	
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes	911.77	
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes	1,145.69	
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes	716.77	
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes	1,072.94	
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes	1,435.18	
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes	1,793.48	

33 05 84 00-0056 Protective Coating For New Manholes *(33 05 84 00-0001)*

33 05 84 00-0057 Polyurethane Protective Coating For New Manholes *(33 05 84 00-0056)*

33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	228.68	
		For 80 Mil Material, Add	*33.91*	
		For 100 Mil Material, Add	*67.82*	
		For 125 Mil Material, Add	*107.13*	
		For 150 Mil Material, Add	*146.45*	
		For 200 Mil Material, Add	*216.89*	
		For 2 To 5 Manholes, Deduct	*-15.53*	
		For 6 To 10 Manholes, Deduct	*-25.34*	
		For >10 Manholes, Deduct	*-50.68*	
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	275.96	
		For 80 Mil Material, Add	*40.27*	
		For 100 Mil Material, Add	*80.53*	
		For 125 Mil Material, Add	*127.11*	
		For 150 Mil Material, Add	*173.69*	
		For 200 Mil Material, Add	*256.83*	
		For 2 To 5 Manholes, Deduct	*-18.80*	
		For 6 To 10 Manholes, Deduct	*-30.71*	
		For >10 Manholes, Deduct	*-61.42*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	304.90	
		For 80 Mil Material, Add	*45.21*	
		For 100 Mil Material, Add	*90.42*	
		For 125 Mil Material, Add	*142.84*	
		For 150 Mil Material, Add	*195.26*	
		For 200 Mil Material, Add	*289.17*	
		For 2 To 5 Manholes, Deduct	*-20.71*	
		For 6 To 10 Manholes, Deduct	*-33.79*	
		For >10 Manholes, Deduct	*-67.58*	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	381.20	
		For 80 Mil Material, Add	*56.54*	
		For 100 Mil Material, Add	*113.08*	
		For 125 Mil Material, Add	*178.63*	
		For 150 Mil Material, Add	*244.19*	
		For 200 Mil Material, Add	*361.65*	
		For 2 To 5 Manholes, Deduct	*-25.89*	
		For 6 To 10 Manholes, Deduct	*-42.24*	
		For >10 Manholes, Deduct	*-84.48*	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	442.87	
		For 80 Mil Material, Add	*66.75*	
		For 100 Mil Material, Add	*133.50*	
		For 125 Mil Material, Add	*211.07*	
		For 150 Mil Material, Add	*288.63*	
		For 200 Mil Material, Add	*428.11*	
		For 2 To 5 Manholes, Deduct	*-29.97*	
		For 6 To 10 Manholes, Deduct	*-48.87*	
		For >10 Manholes, Deduct	*-97.74*	
33 05 84 00-0063	VLF	60 Mil Polyurethane Coating Of 7' Diameter Manhole Interior	515.52	
		For 80 Mil Material, Add	*77.80*	
		For 100 Mil Material, Add	*155.60*	
		For 125 Mil Material, Add	*246.03*	
		For 150 Mil Material, Add	*336.46*	
		For 200 Mil Material, Add	*499.11*	
		For 2 To 5 Manholes, Deduct	*-34.88*	
		For 6 To 10 Manholes, Deduct	*-56.87*	
		For >10 Manholes, Deduct	*-113.73*	
33 05 84 00-0064	VLF	60 Mil Polyurethane Coating Of 8' Diameter Manhole Interior	588.04	
		For 80 Mil Material, Add	*88.81*	
		For 100 Mil Material, Add	*177.62*	
		For 125 Mil Material, Add	*280.85*	
		For 150 Mil Material, Add	*384.08*	
		For 200 Mil Material, Add	*569.80*	
		For 2 To 5 Manholes, Deduct	*-39.78*	
		For 6 To 10 Manholes, Deduct	*-64.85*	
		For >10 Manholes, Deduct	*-129.70*	

33 05 84 00-0065 Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*

Note: For new manholes and shop applied.

33 05 84 00-0066	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	305.01	
33 05 84 00-0067	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	373.88	
33 05 84 00-0068	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	456.26	
33 05 84 00-0069	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	572.97	
33 05 84 00-0070	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	689.69	
33 05 84 00-0071	SF	Polyvinyl Chloride (PVC) Liner At Structures	46.74	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0072		Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*		
33 05 84 00-0073		18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0072)*		
33 05 84 00-0074	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	100.55	
33 05 84 00-0075	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	109.97	
33 05 84 00-0076	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	119.39	
33 05 84 00-0077	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	128.81	
33 05 84 00-0078		24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0072)*		
33 05 84 00-0079	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	112.90	
33 05 84 00-0080	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	123.61	
33 05 84 00-0081	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	134.32	
33 05 84 00-0082	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	145.03	
33 05 84 00-0083		30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0072)*		
33 05 84 00-0084	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	125.00	
33 05 84 00-0085	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	136.94	
33 05 84 00-0086	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	148.88	
33 05 84 00-0087	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	160.82	
33 05 84 00-0088		Bentonite Collar *(33 05 84 00-0001)*		
33 05 84 00-0089		Bentonite Collar At Manhole Connections *(33 05 84 00-0088)*		
33 05 84 00-0090	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	163.64	
33 05 84 00-0091	EA	>12" To 21", Bentonite Collar At Manhole Connection	259.21	
33 05 84 00-0092	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	410.48	
33 05 84 00-0093	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	959.17	
33 05 84 00-0094	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,498.86	
33 05 84 00-0095	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,722.69	
33 05 84 00-0096		Expanded Polypropylene (EPP) Finish Ring *(33 05 84 00-0001)*		
33 05 84 00-0097	EA	34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	114.35	
33 05 84 00-0098	EA	34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	116.77	
33 05 84 00-0099	EA	34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	123.87	
33 05 84 00-0100	EA	34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	130.97	
33 05 84 00-0101	EA	34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	138.07	
33 05 84 00-0102	EA	34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	145.16	
33 05 84 00-0103	EA	34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	157.87	
33 05 84 00-0104	EA	34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	127.63	
33 05 84 00-0105	EA	36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	120.52	
33 05 84 00-0106	EA	36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	123.11	
33 05 84 00-0107	EA	36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	130.70	
33 05 84 00-0108	EA	36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	138.29	
33 05 84 00-0109	EA	36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	145.88	
33 05 84 00-0110	EA	36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	153.47	
33 05 84 00-0111	EA	36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	167.06	
33 05 84 00-0112	EA	36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	134.72	
33 05 84 00-0113	EA	40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	134.28	
33 05 84 00-0114	EA	40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	137.45	
33 05 84 00-0115	EA	40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	146.92	
33 05 84 00-0116	EA	40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	156.41	
33 05 84 00-0117	EA	40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	164.68	
33 05 84 00-0118	EA	40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	172.94	
33 05 84 00-0119	EA	40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	186.90	
33 05 84 00-0120	EA	40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	151.64	
33 05 84 00-0121	EA	46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	149.44	
33 05 84 00-0122	EA	46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	153.24	
33 05 84 00-0123	EA	46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	164.85	
33 05 84 00-0124	EA	46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	176.45	
33 05 84 00-0125	EA	46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	185.48	
33 05 84 00-0126	EA	46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	194.51	
33 05 84 00-0127	EA	46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	208.91	
33 05 84 00-0128	EA	46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	170.33	
33 05 84 00-0129		Expanded Polypropylene (EPP) Grade Ring *(33 05 84 00-0001)*		
33 05 84 00-0130	EA	34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	145.16	
33 05 84 00-0131	EA	34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	200.78	
33 05 84 00-0132	EA	34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	251.64	
33 05 84 00-0133	EA	36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	153.47	
33 05 84 00-0134	EA	36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	212.94	
33 05 84 00-0135	EA	36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	267.35	
33 05 84 00-0136	EA	40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	172.94	
33 05 84 00-0137	EA	40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	238.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0138	EA	40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	298.74	
33 05 84 00-0139	EA	46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	194.51	
33 05 84 00-0140	EA	46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	266.71	
33 05 84 00-0141	EA	46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	333.76	

33 05 84 00-0142 Waste Water Collection System Taps *(33 05 84)*

Note: For tapping existing structures only. Includes grout.

33 05 84 00-0143 Brick Manhole Taps *(33 05 84 00-0142)*

33 05 84 00-0144	EA	4" Tap In 6" Brick Manhole	614.01	
33 05 84 00-0145	EA	6" Tap In 6" Brick Manhole	685.84	
33 05 84 00-0146	EA	8" Tap In 6" Brick Manhole	756.39	
33 05 84 00-0147	EA	10" Tap In 6" Brick Manhole	826.79	
33 05 84 00-0148	EA	12" Tap In 6" Brick Manhole	912.46	
33 05 84 00-0149	EA	15" Tap In 6" Brick Manhole	982.72	

33 05 84 00-0150 Precast Concrete Manhole Tap *(33 05 84 00-0142)*

33 05 84 00-0151	EA	4" Tap In Existing Precast Concrete Manhole	897.12	
33 05 84 00-0152	EA	6" Tap In Existing Precast Concrete Manhole	1,004.86	
33 05 84 00-0153	EA	8" Tap In Existing Precast Concrete Manhole	1,123.87	
33 05 84 00-0154	EA	10" Tap In Existing Precast Concrete Manhole	1,229.48	
33 05 84 00-0155	EA	12" Tap In Existing Precast Concrete Manhole	1,334.87	
33 05 84 00-0156	EA	15" Tap In Existing Precast Concrete Manhole	1,442.82	
33 05 84 00-0157	EA	18" Tap In Existing Precast Concrete Manhole	1,661.44	
33 05 84 00-0158	EA	24" Tap In Existing Precast Concrete Manhole	2,136.24	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 16 Markers for Utility Identification *(33 05 97)*

33 05 97 16-0001 Reflective Sheeting Delineators *(33 05 97 16)*

33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square	52.01	
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square	55.65	
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square	62.92	
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square	66.56	
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square	70.20	
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square	60.20	
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	52.92	
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	56.56	
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	56.56	
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	60.20	
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	63.83	
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square	67.47	
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	100.22	
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	66.56	
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	104.77	
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	100.22	
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	103.86	
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square	104.77	
33 05 97 16-0020	EA	Relocate Delineator	65.72	

33 05 97 16-0021 Reference Markers *(33 05 97 16)*

33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height	113.69	
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height	143.82	
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted	135.03	
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only	129.30	
33 05 97 16-0026	EA	Relocate Reference Marker	65.72	

33 05 97 16-0027 Object Markers *(33 05 97 16)*

33 05 97 16-0028	EA	Object Marker, Type L-1	100.76	
33 05 97 16-0029	EA	Object Marker, Type L-2	92.81	
33 05 97 16-0030	EA	Object Marker, Type K-1	107.11	
33 05 97 16-0031	EA	Object Marker, Type K-2	99.17	
33 05 97 16-0032	EA	Object Marker, Type Q	67.38	

33 05 97 16-0033 Snowplowing Marker *(33 05 97 16)*

33 05 97 16-0034	EA	Snowplowing Marker, Single Unit	111.88	
33 05 97 16-0035	EA	Snowplowing Marker, Double Unit	116.90	
33 05 97 16-0036	EA	Supplementary Snowplowing Marker	116.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 97 16-0037	EA	Relocate Snowplowing Marker	66.36	

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape	8.61	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape	12.15	

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape	8.75	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape	11.96	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape	19.18	

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization	1,180.68	
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	1,440.92	
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	2,161.37	

33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)*

Note: Excludes well casing, gravel or materials.

33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.92	
		For >100 To 250, Add		*0.70*
		For >250 To 400, Add		*1.40*
		For >400 To 600, Add		*2.09*
		For >600 To 750, Add		*2.79*
		For >750, Add		*3.49*
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	33.14	
		For >100 To 250, Add		*0.83*
		For >250 To 400, Add		*1.66*
		For >400 To 600, Add		*2.49*
		For >600 To 750, Add		*3.31*
		For >750, Add		*4.14*
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	44.31	
		For >100 To 250, Add		*1.11*
		For >250 To 400, Add		*2.22*
		For >400 To 600, Add		*3.32*
		For >600 To 750, Add		*4.43*
		For >750, Add		*5.54*
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	69.35	
		For >100 To 250, Add		*1.73*
		For >250 To 400, Add		*3.47*
		For >400 To 600, Add		*5.20*
		For >600 To 750, Add		*6.94*
		For >750, Add		*8.67*
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	99.78	
		For >100 To 250, Add		*2.49*
		For >250 To 400, Add		*4.99*
		For >400 To 600, Add		*7.48*
		For >600 To 750, Add		*9.98*
		For >750, Add		*12.47*
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	130.40	
		For >100 To 250, Add		*3.26*
		For >250 To 400, Add		*6.52*
		For >400 To 600, Add		*9.78*
		For >600 To 750, Add		*13.04*
		For >750, Add		*16.30*
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	154.90	
		For >100 To 250, Add		*3.87*
		For >250 To 400, Add		*7.75*
		For >400 To 600, Add		*11.62*
		For >600 To 750, Add		*15.49*
		For >750, Add		*19.36*
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	180.11	
		For >100 To 250, Add		*4.50*
		For >250 To 400, Add		*9.01*
		For >400 To 600, Add		*13.51*
		For >600 To 750, Add		*18.01*
		For >750, Add		*22.51*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	211.64	
		For >100 To 250, Add	*5.29*	
		For >250 To 400, Add	*10.58*	
		For >400 To 600, Add	*15.87*	
		For >600 To 750, Add	*21.16*	
		For >750, Add	*26.46*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	249.46	
		For >100 To 250, Add	*6.24*	
		For >250 To 400, Add	*12.47*	
		For >400 To 600, Add	*18.71*	
		For >600 To 750, Add	*24.95*	
		For >750, Add	*31.18*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	269.63	
		For >100 To 250, Add	*6.74*	
		For >250 To 400, Add	*13.48*	
		For >400 To 600, Add	*20.22*	
		For >600 To 750, Add	*26.96*	
		For >750, Add	*33.70*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	296.65	
		For >100 To 250, Add	*7.42*	
		For >250 To 400, Add	*14.83*	
		For >400 To 600, Add	*22.25*	
		For >600 To 750, Add	*29.67*	
		For >750, Add	*37.08*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	324.92	
		For >100 To 250, Add	*8.12*	
		For >250 To 400, Add	*16.25*	
		For >400 To 600, Add	*24.37*	
		For >600 To 750, Add	*32.49*	
		For >750, Add	*40.62*	
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	404.18	
		For >100 To 250, Add	*10.10*	
		For >250 To 400, Add	*20.21*	
		For >400 To 600, Add	*30.31*	
		For >600 To 750, Add	*40.42*	
		For >750, Add	*50.52*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	56.91	
		For >100 To 250, Add	*1.42*	
		For >250 To 400, Add	*2.85*	
		For >400 To 600, Add	*4.27*	
		For >600 To 750, Add	*5.69*	
		For >750, Add	*7.11*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	66.29	
		For >100 To 250, Add	*1.66*	
		For >250 To 400, Add	*3.31*	
		For >400 To 600, Add	*4.97*	
		For >600 To 750, Add	*6.63*	
		For >750, Add	*8.29*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	106.13	
		For >100 To 250, Add	*2.65*	
		For >250 To 400, Add	*5.31*	
		For >400 To 600, Add	*7.96*	
		For >600 To 750, Add	*10.61*	
		For >750, Add	*13.27*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	138.76	
		For >100 To 250, Add	*3.47*	
		For >250 To 400, Add	*6.94*	
		For >400 To 600, Add	*10.41*	
		For >600 To 750, Add	*13.88*	
		For >750, Add	*17.35*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	199.71	
		For >100 To 250, Add	*4.99*	
		For >250 To 400, Add	*9.99*	
		For >400 To 600, Add	*14.98*	
		For >600 To 750, Add	*19.97*	
		For >750, Add	*24.96*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	260.66	
		For >100 To 250, Add	*6.52*	
		For >250 To 400, Add	*13.03*	
		For >400 To 600, Add	*19.55*	
		For >600 To 750, Add	*26.07*	
		For >750, Add	*32.58*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	309.94	
		For >100 To 250, Add	*7.75*	
		For >250 To 400, Add	*15.50*	
		For >400 To 600, Add	*23.25*	
		For >600 To 750, Add	*30.99*	
		For >750, Add	*38.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	359.65	
		For >100 To 250, Add	*8.99*	
		For >250 To 400, Add	*17.98*	
		For >400 To 600, Add	*26.97*	
		For >600 To 750, Add	*35.97*	
		For >750, Add	*44.96*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	423.63	
		For >100 To 250, Add	*10.59*	
		For >250 To 400, Add	*21.18*	
		For >400 To 600, Add	*31.77*	
		For >600 To 750, Add	*42.36*	
		For >750, Add	*52.95*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	489.33	
		For >100 To 250, Add	*12.23*	
		For >250 To 400, Add	*24.47*	
		For >400 To 600, Add	*36.70*	
		For >600 To 750, Add	*48.93*	
		For >750, Add	*61.17*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	539.27	
		For >100 To 250, Add	*13.48*	
		For >250 To 400, Add	*26.96*	
		For >400 To 600, Add	*40.45*	
		For >600 To 750, Add	*53.93*	
		For >750, Add	*67.41*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	593.30	
		For >100 To 250, Add	*14.83*	
		For >250 To 400, Add	*29.67*	
		For >400 To 600, Add	*44.50*	
		For >600 To 750, Add	*59.33*	
		For >750, Add	*74.16*	
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	649.86	
		For >100 To 250, Add	*16.25*	
		For >250 To 400, Add	*32.49*	
		For >400 To 600, Add	*48.74*	
		For >600 To 750, Add	*64.99*	
		For >750, Add	*81.23*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	808.35	
		For >100 To 250, Add	*20.21*	
		For >250 To 400, Add	*40.42*	
		For >400 To 600, Add	*60.63*	
		For >600 To 750, Add	*80.84*	
		For >750, Add	*101.04*	

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	117.08	
		For >100 To 250, Add	*2.93*	
		For >250 To 400, Add	*5.85*	
		For >400 To 600, Add	*8.78*	
		For >600 To 750, Add	*11.71*	
		For >750, Add	*14.64*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	135.08	
		For >100 To 250, Add	*3.38*	
		For >250 To 400, Add	*6.75*	
		For >400 To 600, Add	*10.13*	
		For >600 To 750, Add	*13.51*	
		For >750, Add	*16.89*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	154.90	
		For >100 To 250, Add	*3.87*	
		For >250 To 400, Add	*7.75*	
		For >400 To 600, Add	*11.62*	
		For >600 To 750, Add	*15.49*	
		For >750, Add	*19.36*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	196.32	
		For >100 To 250, Add	*4.91*	
		For >250 To 400, Add	*9.82*	
		For >400 To 600, Add	*14.72*	
		For >600 To 750, Add	*19.63*	
		For >750, Add	*24.54*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	253.97	
		For >100 To 250, Add	*6.35*	
		For >250 To 400, Add	*12.70*	
		For >400 To 600, Add	*19.05*	
		For >600 To 750, Add	*25.40*	
		For >750, Add	*31.75*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	369.24	
		For >100 To 250, Add	*9.23*	
		For >250 To 400, Add	*18.46*	
		For >400 To 600, Add	*27.69*	
		For >600 To 750, Add	*36.92*	
		For >750, Add	*46.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	439.48	
		For >100 To 250, Add	*10.99*	
		For >250 To 400, Add	*21.97*	
		For >400 To 600, Add	*32.96*	
		For >600 To 750, Add	*43.95*	
		For >750, Add	*54.94*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	509.73	
		For >100 To 250, Add	*12.74*	
		For >250 To 400, Add	*25.49*	
		For >400 To 600, Add	*38.23*	
		For >600 To 750, Add	*50.97*	
		For >750, Add	*63.72*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	599.79	
		For >100 To 250, Add	*14.99*	
		For >250 To 400, Add	*29.99*	
		For >400 To 600, Add	*44.98*	
		For >600 To 750, Add	*59.98*	
		For >750, Add	*74.97*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	693.44	
		For >100 To 250, Add	*17.34*	
		For >250 To 400, Add	*34.67*	
		For >400 To 600, Add	*52.01*	
		For >600 To 750, Add	*69.34*	
		For >750, Add	*86.68*	

33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*

Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	47.78	
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 400, Deduct	*-2.63*	
		For >400 To 600, Deduct	*-3.94*	
		For >600 To 750, Deduct	*-5.26*	
		For >750, Deduct	*-6.88*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	59.40	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 400, Deduct	*-3.27*	
		For >400 To 600, Deduct	*-4.90*	
		For >600 To 750, Deduct	*-6.54*	
		For >750, Deduct	*-8.56*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	87.98	
		For >100 To 250, Deduct	*-2.56*	
		For >250 To 400, Deduct	*-4.76*	
		For >400 To 600, Deduct	*-7.14*	
		For >600 To 750, Deduct	*-9.52*	
		For >750, Deduct	*-12.36*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	147.65	
		For >100 To 250, Deduct	*-4.12*	
		For >250 To 400, Deduct	*-7.81*	
		For >400 To 600, Deduct	*-11.72*	
		For >600 To 750, Deduct	*-15.63*	
		For >750, Deduct	*-20.10*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	165.57	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 400, Deduct	*-8.88*	
		For >400 To 600, Deduct	*-13.32*	
		For >600 To 750, Deduct	*-17.76*	
		For >750, Deduct	*-22.97*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	194.38	
		For >100 To 250, Deduct	*-5.60*	
		For >250 To 400, Deduct	*-10.46*	
		For >400 To 600, Deduct	*-15.69*	
		For >600 To 750, Deduct	*-20.92*	
		For >750, Deduct	*-27.12*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	221.76	
		For >100 To 250, Deduct	*-6.48*	
		For >250 To 400, Deduct	*-12.02*	
		For >400 To 600, Deduct	*-18.03*	
		For >600 To 750, Deduct	*-24.05*	
		For >750, Deduct	*-31.27*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	252.79	
		For >100 To 250, Deduct	*-7.47*	
		For >250 To 400, Deduct	*-13.79*	
		For >400 To 600, Deduct	*-20.68*	
		For >600 To 750, Deduct	*-27.58*	
		For >750, Deduct	*-35.97*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	295.47	
		For >100 To 250, Deduct	*-8.68*	
		For >250 To 400, Deduct	*-16.07*	
		For >400 To 600, Deduct	*-24.10*	
		For >600 To 750, Deduct	*-32.13*	
		For >750, Deduct	*-41.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.55	
		For >100 To 250, Deduct	*-0.06*	
		For >250 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 750, Deduct	*-0.19*	
		For >750, Deduct	*-0.26*	

33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	73.85	
		For >100 To 250, Deduct	*-2.09*	
		For >250 To 400, Deduct	*-3.93*	
		For >400 To 600, Deduct	*-5.90*	
		For >600 To 750, Deduct	*-7.86*	
		For >750, Deduct	*-10.14*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	110.39	
		For >100 To 250, Deduct	*-3.06*	
		For >250 To 400, Deduct	*-5.82*	
		For >400 To 600, Deduct	*-8.73*	
		For >600 To 750, Deduct	*-11.64*	
		For >750, Deduct	*-14.94*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	153.92	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 400, Deduct	*-8.08*	
		For >400 To 600, Deduct	*-12.12*	
		For >600 To 750, Deduct	*-16.16*	
		For >750, Deduct	*-20.70*	
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	179.09	
		For >100 To 250, Deduct	*-4.93*	
		For >250 To 400, Deduct	*-9.41*	
		For >400 To 600, Deduct	*-14.11*	
		For >600 To 750, Deduct	*-18.82*	
		For >750, Deduct	*-24.12*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	165.42	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 400, Deduct	*-8.94*	
		For >400 To 600, Deduct	*-13.41*	
		For >600 To 750, Deduct	*-17.88*	
		For >750, Deduct	*-23.23*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	191.55	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 400, Deduct	*-10.34*	
		For >400 To 600, Deduct	*-15.52*	
		For >600 To 750, Deduct	*-20.69*	
		For >750, Deduct	*-26.86*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	229.68	
		For >100 To 250, Deduct	*-6.60*	
		For >250 To 400, Deduct	*-12.35*	
		For >400 To 600, Deduct	*-18.52*	
		For >600 To 750, Deduct	*-24.69*	
		For >750, Deduct	*-31.99*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	262.95	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 400, Deduct	*-14.13*	
		For >400 To 600, Deduct	*-21.20*	
		For >600 To 750, Deduct	*-28.26*	
		For >750, Deduct	*-36.60*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	290.72	
		For >100 To 250, Deduct	*-8.39*	
		For >250 To 400, Deduct	*-15.66*	
		For >400 To 600, Deduct	*-23.49*	
		For >600 To 750, Deduct	*-31.32*	
		For >750, Deduct	*-40.62*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	379.78	
		For >100 To 250, Deduct	*-10.84*	
		For >250 To 400, Deduct	*-20.33*	
		For >400 To 600, Deduct	*-30.50*	
		For >600 To 750, Deduct	*-40.66*	
		For >750, Deduct	*-52.57*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	499.58	
		For >100 To 250, Deduct	*-14.17*	
		For >250 To 400, Deduct	*-26.66*	
		For >400 To 600, Deduct	*-39.98*	
		For >600 To 750, Deduct	*-53.31*	
		For >750, Deduct	*-68.82*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	48.61	
		For >100 To 250, Deduct	*-1.41*	
		For >250 To 400, Deduct	*-2.62*	
		For >400 To 600, Deduct	*-3.93*	
		For >600 To 750, Deduct	*-5.24*	
		For >750, Deduct	*-6.80*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	77.18	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 400, Deduct	*-4.16*	
		For >400 To 600, Deduct	*-6.24*	
		For >600 To 750, Deduct	*-8.32*	
		For >750, Deduct	*-10.79*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	116.66	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 400, Deduct	*-6.29*	
		For >400 To 600, Deduct	*-9.43*	
		For >600 To 750, Deduct	*-12.58*	
		For >750, Deduct	*-16.31*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	137.67	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 400, Deduct	*-7.43*	
		For >400 To 600, Deduct	*-11.15*	
		For >600 To 750, Deduct	*-14.87*	
		For >750, Deduct	*-19.30*	

33 11 13 00-0078 Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*

33 11 13 00-0079 Stainless Steel Well Screen *(33 11 13 00-0078)*

33 11 13 00-0080	LF	2" Stainless Steel Well Screen	24.38	1.92
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 400, Deduct	*-1.46*	
		For >400 To 600, Deduct	*-2.20*	
		For >600 To 750, Deduct	*-2.93*	
		For >750, Deduct	*-3.98*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	37.69	1.92
		For >100 To 250, Deduct	*-1.21*	
		For >250 To 400, Deduct	*-2.15*	
		For >400 To 600, Deduct	*-3.22*	
		For >600 To 750, Deduct	*-4.30*	
		For >750, Deduct	*-5.72*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	47.36	2.88
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 400, Deduct	*-2.70*	
		For >400 To 600, Deduct	*-4.06*	
		For >600 To 750, Deduct	*-5.41*	
		For >750, Deduct	*-7.19*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	59.69	2.88
		For >100 To 250, Deduct	*-1.89*	
		For >250 To 400, Deduct	*-3.38*	
		For >400 To 600, Deduct	*-5.08*	
		For >600 To 750, Deduct	*-6.77*	
		For >750, Deduct	*-8.98*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	72.00	3.83
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 400, Deduct	*-4.13*	
		For >400 To 600, Deduct	*-6.20*	
		For >600 To 750, Deduct	*-8.26*	
		For >750, Deduct	*-11.02*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	93.87	4.80
		For >100 To 250, Deduct	*-3.03*	
		For >250 To 400, Deduct	*-5.37*	
		For >400 To 600, Deduct	*-8.06*	
		For >600 To 750, Deduct	*-10.75*	
		For >750, Deduct	*-14.32*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	119.55	7.67
		For >100 To 250, Deduct	*-3.91*	
		For >250 To 400, Deduct	*-6.90*	
		For >400 To 600, Deduct	*-10.34*	
		For >600 To 750, Deduct	*-13.79*	
		For >750, Deduct	*-18.44*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	140.23	9.58
		For >100 To 250, Deduct	*-4.58*	
		For >250 To 400, Deduct	*-8.09*	
		For >400 To 600, Deduct	*-12.13*	
		For >600 To 750, Deduct	*-16.17*	
		For >750, Deduct	*-21.61*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	154.39	10.55
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 400, Deduct	*-8.96*	
		For >400 To 600, Deduct	*-13.43*	
		For >600 To 750, Deduct	*-17.91*	
		For >750, Deduct	*-23.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	167.54	12.46
		For >100 To 250, Deduct	*-5.58*	
		For >250 To 400, Deduct	*-9.77*	
		For >400 To 600, Deduct	*-14.65*	
		For >600 To 750, Deduct	*-19.53*	
		For >750, Deduct	*-26.22*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	201.44	14.38
		For >100 To 250, Deduct	*-6.75*	
		For >250 To 400, Deduct	*-11.78*	
		For >400 To 600, Deduct	*-17.68*	
		For >600 To 750, Deduct	*-23.57*	
		For >750, Deduct	*-31.68*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	254.00	18.21
		For >100 To 250, Deduct	*-8.50*	
		For >250 To 400, Deduct	*-14.85*	
		For >400 To 600, Deduct	*-22.28*	
		For >600 To 750, Deduct	*-29.70*	
		For >750, Deduct	*-39.92*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	329.73	23.96
		For >100 To 250, Deduct	*-11.06*	
		For >250 To 400, Deduct	*-19.31*	
		For >400 To 600, Deduct	*-28.96*	
		For >600 To 750, Deduct	*-38.61*	
		For >750, Deduct	*-51.93*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	379.76	27.80
		For >100 To 250, Deduct	*-12.69*	
		For >250 To 400, Deduct	*-22.18*	
		For >400 To 600, Deduct	*-33.27*	
		For >600 To 750, Deduct	*-44.37*	
		For >750, Deduct	*-59.61*	

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	15.70
		For >100 To 250, Deduct	*-0.58*
		For >250 To 400, Deduct	*-0.97*
		For >400 To 600, Deduct	*-1.46*
		For >600 To 750, Deduct	*-1.95*
		For >750, Deduct	*-2.68*
		For Schedule 80, Add	*3.26*
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	17.83
		For >100 To 250, Deduct	*-0.65*
		For >250 To 400, Deduct	*-1.09*
		For >400 To 600, Deduct	*-1.64*
		For >600 To 750, Deduct	*-2.19*
		For >750, Deduct	*-2.99*
		For Schedule 80, Add	*3.91*
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	25.81
		For >100 To 250, Deduct	*-1.01*
		For >250 To 400, Deduct	*-1.65*
		For >400 To 600, Deduct	*-2.48*
		For >600 To 750, Deduct	*-3.30*
		For >750, Deduct	*-4.60*
		For Schedule 80, Add	*4.56*
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	36.74
		For >100 To 250, Deduct	*-1.31*
		For >250 To 400, Deduct	*-2.23*
		For >400 To 600, Deduct	*-3.34*
		For >600 To 750, Deduct	*-4.45*
		For >750, Deduct	*-6.07*
		For Schedule 80, Add	*8.47*
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	46.24
		For >100 To 250, Deduct	*-1.65*
		For >250 To 400, Deduct	*-2.80*
		For >400 To 600, Deduct	*-4.21*
		For >600 To 750, Deduct	*-5.61*
		For >750, Deduct	*-7.65*
		For Schedule 80, Add	*10.62*
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	57.64
		For >100 To 250, Deduct	*-2.03*
		For >250 To 400, Deduct	*-3.47*
		For >400 To 600, Deduct	*-5.20*
		For >600 To 750, Deduct	*-6.94*
		For >750, Deduct	*-9.43*
		For Schedule 80, Add	*13.68*
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	64.64
		For >100 To 250, Deduct	*-2.40*
		For >250 To 400, Deduct	*-4.01*
		For >400 To 600, Deduct	*-6.02*
		For >600 To 750, Deduct	*-8.03*
		For >750, Deduct	*-11.05*
		For Schedule 80, Add	*13.36*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	92.09	
		For >100 To 250, Deduct	*-3.30*	
		For >250 To 400, Deduct	*-5.60*	
		For >400 To 600, Deduct	*-8.41*	
		For >600 To 750, Deduct	*-11.21*	
		For >750, Deduct	*-15.31*	
		For Schedule 80, Add	*20.85*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	20.12	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 400, Deduct	*-1.28*	
		For >400 To 600, Deduct	*-1.92*	
		For >600 To 750, Deduct	*-2.56*	
		For >750, Deduct	*-3.56*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	29.70	
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 400, Deduct	*-1.92*	
		For >400 To 600, Deduct	*-2.88*	
		For >600 To 750, Deduct	*-3.83*	
		For >750, Deduct	*-5.35*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	41.38	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 400, Deduct	*-2.71*	
		For >400 To 600, Deduct	*-4.07*	
		For >600 To 750, Deduct	*-5.43*	
		For >750, Deduct	*-7.62*	
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	53.04	
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 400, Deduct	*-3.45*	
		For >400 To 600, Deduct	*-5.18*	
		For >600 To 750, Deduct	*-6.90*	
		For >750, Deduct	*-9.67*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	65.40	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 400, Deduct	*-4.23*	
		For >400 To 600, Deduct	*-6.34*	
		For >600 To 750, Deduct	*-8.45*	
		For >750, Deduct	*-11.80*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	84.65	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 400, Deduct	*-5.41*	
		For >400 To 600, Deduct	*-8.12*	
		For >600 To 750, Deduct	*-10.82*	
		For >750, Deduct	*-15.06*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	97.07	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 400, Deduct	*-6.19*	
		For >400 To 600, Deduct	*-9.28*	
		For >600 To 750, Deduct	*-12.37*	
		For >750, Deduct	*-17.20*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	115.31	
		For >100 To 250, Deduct	*-4.51*	
		For >250 To 400, Deduct	*-7.39*	
		For >400 To 600, Deduct	*-11.09*	
		For >600 To 750, Deduct	*-14.78*	
		For >750, Deduct	*-20.59*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	130.45	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 400, Deduct	*-8.39*	
		For >400 To 600, Deduct	*-12.58*	
		For >600 To 750, Deduct	*-16.78*	
		For >750, Deduct	*-23.40*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	140.54	
		For >100 To 250, Deduct	*-5.46*	
		For >250 To 400, Deduct	*-8.98*	
		For >400 To 600, Deduct	*-13.46*	
		For >600 To 750, Deduct	*-17.95*	
		For >750, Deduct	*-24.98*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	167.60	
		For >100 To 250, Deduct	*-6.59*	
		For >250 To 400, Deduct	*-10.78*	
		For >400 To 600, Deduct	*-16.17*	
		For >600 To 750, Deduct	*-21.56*	
		For >750, Deduct	*-30.06*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	193.94	
		For >100 To 250, Deduct	*-7.77*	
		For >250 To 400, Deduct	*-12.62*	
		For >400 To 600, Deduct	*-18.93*	
		For >600 To 750, Deduct	*-25.24*	
		For >750, Deduct	*-35.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0117		**Develop Well** *(33 11 13 00-0001)* Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118	HR	Develop Well	480.20	
33 11 13 00-0119		**Pump Test** *(33 11 13 00-0001)* Note: To determine water level and GPM flow rate.		
33 11 13 00-0120	HR	Pump Test Well	426.43	
33 11 13 00-0121		**Test Well** *(33 11 13 00-0001)*		
33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	116.53	
33 11 13 00-0123		**Surface Seal, Concrete Filled** *(33 11 13)*		
33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	36.92	
33 11 13 00-0125		**Other Water Well** *(33 11 13)*		
33 11 13 00-0126	SF	Patch Hole In Well Casing	103.46	
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.56	
33 11 13 00-0128	SF	1" Pressure Grout Well	4.15	
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	5.99	
33 11 13 00-0130		**Sterilization Of Well** *(33 11 13)*		
33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,720.59	
33 11 13 00-0132		**Submersible Well Pumps** *(33 11 13)* Note: Includes pump end, motor and control box.		
33 11 13 00-0133		**4" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0134		**Powder Coated Case And Cast Iron Ends** *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,502.61	537.83
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,710.84	596.12
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,898.99	662.36
33 11 13 00-0138		**Stainless Steel Case And Ends** *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,675.49	529.89
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,908.61	596.12
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,138.18	662.36
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,441.16	728.59
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,754.79	794.83
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,374.97	927.29
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,216.57	1,059.76
33 11 13 00-0146		**6" Submersible Well Pumps** *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,179.28	1,324.70
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,800.62	1,457.18
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,444.48	1,589.65
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,558.42	1,854.59
33 11 36		**Submersible Centrifugal Well Pumps** *(33 11)*		
33 11 36 00-0001		**Submersible Well Pump** *(33 11 36)*		
33 11 36 00-0002	EA	25 HP, 650 GPM, 2 Stage, Submersible Well Pump	5,855.18	575.84
33 11 36 00-0003	EA	30 HP, 750 GPM, 2 Stage, Submersible Well Pump	6,143.11	672.58
33 11 36 00-0004	EA	40 HP, 750 GPM, 2 Stage, Submersible Well Pump	6,431.03	768.17
33 11 36 00-0005	EA	50 HP, 750 GPM, 2 Stage, Submersible Well Pump	9,170.52	1,010.87
33 11 36 00-0006	EA	60 HP, 750 GPM, 2 Stage, Submersible Well Pump	10,040.61	1,137.23
33 11 36 00-0007	EA	75 HP, 750 GPM, 2 Stage, Submersible Well Pump	11,248.32	1,263.59
33 11 36 00-0008	EA	100 HP, 750 GPM, 2 Stage, Submersible Well Pump	13,497.97	1,516.30
33 11 36 00-0009	EA	125 HP, 750 GPM, 2 Stage, Submersible Well Pump	15,122.03	1,685.62
33 11 36 00-0010	EA	150 HP, 750 GPM, 2 Stage, Submersible Well Pump	16,559.24	1,895.37
33 11 36 00-0011	EA	175 HP, 750 GPM, 2 Stage, Submersible Well Pump	17,734.72	2,106.40
33 11 36 00-0012	EA	200 HP, 750 GPM, 2 Stage, Submersible Well Pump	18,692.69	2,316.15

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13		**Public Water Utility Distribution Piping** *(33 14)*		
		Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 14 13 13		**Ductile Iron Public Water Utility Distribution Piping** *(33 14 13)*		
33 14 13 13-0001		Ductile Iron Piping *(33 14 13 13)*		
33 14 13 13-0002		Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)*		
		Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0521 for bolts and gaskets.		
33 14 13 13-0003		Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)*		
		Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	99.12	14.40
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*54.14*	
		For Cement Mortar Lining (CML), Add	*7.73*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*41.76*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.80*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.96*	
		For Class 52, Add	*23.37*	
		For Class 53, Add	*42.26*	
		For Class 54, Add	*60.36*	
		For Class 55, Add	*69.30*	
		For Class 56, Add	*78.08*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	108.18	15.32
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*59.48*	
		For Cement Mortar Lining (CML), Add	*8.50*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*45.88*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.37*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.41*	
		For Class 51, Add	*11.87*	
		For Class 52, Add	*25.65*	
		For Class 53, Add	*46.41*	
		For Class 54, Add	*66.28*	
		For Class 55, Add	*76.10*	
		For Class 56, Add	*85.73*	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	116.55	16.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*64.57*	
		For Cement Mortar Lining (CML), Add	*9.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*49.81*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.92*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.83*	
		For Class 51, Add	*12.88*	
		For Class 52, Add	*27.83*	
		For Class 53, Add	*50.34*	
		For Class 54, Add	*71.91*	
		For Class 55, Add	*82.55*	
		For Class 56, Add	*93.00*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	143.30	16.71
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*82.59*	
		For Cement Mortar Lining (CML), Add	*11.80*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*63.71*	
		For Fusion Bonded Epoxy Lining (206N), Add	*21.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.85*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-7.17*	
		For Class 51, Add	*16.40*	
		For Class 52, Add	*35.45*	
		For Class 53, Add	*64.17*	
		For Class 54, Add	*91.69*	
		For Class 55, Add	*105.23*	
		For Class 56, Add	*118.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	189.39	23.69
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*92.09*	
		For Cement Mortar Lining (CML), Add	*15.35*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*76.75*	
		For Fusion Bonded Epoxy Lining (206N), Add	*27.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.51*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.47*	
		For Class 51, Add	*21.37*	
		For Class 52, Add	*46.19*	
		For Class 53, Add	*83.60*	
		For Class 54, Add	*119.43*	
		For Class 55, Add	*137.08*	
		For Class 56, Add	*154.42*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	235.92	26.32
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*98.02*	
		For Cement Mortar Lining (CML), Add	*19.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*78.41*	
		For Fusion Bonded Epoxy Lining (206N), Add	*35.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.70*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.80*	
		For Class 51, Add	*27.22*	
		For Class 52, Add	*58.85*	
		For Class 53, Add	*106.55*	
		For Class 54, Add	*152.23*	
		For Class 55, Add	*174.71*	
		For Class 56, Add	*196.77*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	287.97	29.56
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*106.96*	
		For Cement Mortar Lining (CML), Add	*24.31*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*82.65*	
		For Fusion Bonded Epoxy Lining (206N), Add	*43.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.23*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-14.40*	
		For Class 51, Add	*33.70*	
		For Class 52, Add	*72.86*	
		For Class 53, Add	*131.96*	
		For Class 54, Add	*188.56*	
		For Class 55, Add	*216.37*	
		For Class 56, Add	*243.67*	
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	323.81	33.86
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*111.74*	
		For Cement Mortar Lining (CML), Add	*27.25*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*84.48*	
		For Fusion Bonded Epoxy Lining (206N), Add	*49.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.44*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.19*	
		For Class 51, Add	*37.79*	
		For Class 52, Add	*81.71*	
		For Class 53, Add	*147.97*	
		For Class 54, Add	*211.43*	
		For Class 55, Add	*242.62*	
		For Class 56, Add	*273.24*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	409.34	39.49
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*143.30*	
		For Cement Mortar Lining (CML), Add	*34.95*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*108.35*	
		For Fusion Bonded Epoxy Lining (206N), Add	*62.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.21*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-20.47*	
		For Class 51, Add	*48.39*	
		For Class 52, Add	*104.64*	
		For Class 53, Add	*189.55*	
		For Class 54, Add	*270.86*	
		For Class 55, Add	*310.79*	
		For Class 56, Add	*349.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	456.71	47.38
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*146.27*	
		For Cement Mortar Lining (CML), Add	*38.49*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*107.77*	
		For Fusion Bonded Epoxy Lining (206N), Add	*69.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.87*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-22.84*	
		For Class 51, Add	*53.36*	
		For Class 52, Add	*115.38*	
		For Class 53, Add	*208.97*	
		For Class 54, Add	*298.59*	
		For Class 55, Add	*342.63*	
		For Class 56, Add	*385.87*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	606.33	59.23
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*160.14*	
		For Cement Mortar Lining (CML), Add	*51.66*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*108.48*	
		For Fusion Bonded Epoxy Lining (206N), Add	*92.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.74*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-30.32*	
		For Class 51, Add	*71.53*	
		For Class 52, Add	*154.69*	
		For Class 53, Add	*280.21*	
		For Class 54, Add	*400.40*	
		For Class 55, Add	*459.43*	
		For Class 56, Add	*517.38*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	824.19	63.77
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*225.83*	
		For Cement Mortar Lining (CML), Add	*72.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*131.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.64*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-41.21*	
		For Class 51, Add	*100.49*	
		For Class 52, Add	*217.36*	
		For Class 53, Add	*393.98*	
		For Class 54, Add	*563.09*	
		For Class 55, Add	*645.94*	
		For Class 56, Add	*727.27*	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	1,012.62	67.73
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*282.38*	
		For Cement Mortar Lining (CML), Add	*91.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.32*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-50.63*	
		For Class 51, Add	*125.43*	
		For Class 52, Add	*271.35*	
		For Class 53, Add	*491.97*	
		For Class 54, Add	*703.21*	
		For Class 55, Add	*806.59*	
		For Class 56, Add	*908.06*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,281.12	71.67
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*363.77*	
		For Cement Mortar Lining (CML), Add	*117.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*211.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.01*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-64.06*	
		For Class 51, Add	*161.29*	
		For Class 52, Add	*348.97*	
		For Class 53, Add	*632.88*	
		For Class 54, Add	*904.71*	
		For Class 55, Add	*1,037.60*	
		For Class 56, Add	*1,168.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,609.33	75.74
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*463.65*	
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.17*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-80.47*	
		For Class 51, Add	*205.28*	
		For Class 52, Add	*444.21*	
		For Class 53, Add	*805.79*	
		For Class 54, Add	*1,151.96*	
		For Class 55, Add	*1,321.04*	
		For Class 56, Add	*1,486.99*	
33 14 13 13-0019		Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	202.39	45.45
		For Cement Mortar Lining (CML), Add	*13.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	227.60	54.31
		For Cement Mortar Lining (CML), Add	*14.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	359.15	80.27
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	489.92	95.21
		For Cement Mortar Lining (CML), Add	*34.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*62.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	708.95	105.06
		For Cement Mortar Lining (CML), Add	*54.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	926.92	123.24
		For Cement Mortar Lining (CML), Add	*74.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*133.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,448.41	138.21
		For Cement Mortar Lining (CML), Add	*123.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*223.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,922.12	157.94
		For Cement Mortar Lining (CML), Add	*168.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*302.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,361.42	221.12
		For Cement Mortar Lining (CML), Add	*202.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.98*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,244.38	276.40
		For Cement Mortar Lining (CML), Add	*282.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*508.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,775.56	368.05
		For Cement Mortar Lining (CML), Add	*421.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,366.80	394.86
		For Cement Mortar Lining (CML), Add	*676.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	11,202.88	409.94
		For Cement Mortar Lining (CML), Add	*1,058.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,904.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,863.56	473.83
		For Cement Mortar Lining (CML), Add	*1,814.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,266.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,360.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	24,959.23	504.10
		For Cement Mortar Lining (CML), Add	*2,419.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,355.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,814.66*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	188.65	45.45
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	202.07	54.31
		For Cement Mortar Lining (CML), Add	*11.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	313.98	80.27
		For Cement Mortar Lining (CML), Add	*19.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	425.12	95.21
		For Cement Mortar Lining (CML), Add	*28.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	569.53	105.06
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	799.28	123.24
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,173.51	138.21
		For Cement Mortar Lining (CML), Add	*96.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,441.03	157.94
		For Cement Mortar Lining (CML), Add	*120.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	2,059.02	221.12
		For Cement Mortar Lining (CML), Add	*172.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*310.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,260.62	276.40
		For Cement Mortar Lining (CML), Add	*184.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*331.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*138.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,355.88	368.05
		For Cement Mortar Lining (CML), Add	*279.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*503.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	6,282.89	394.86
		For Cement Mortar Lining (CML), Add	*568.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,023.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,932.96	409.94
		For Cement Mortar Lining (CML), Add	*831.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,496.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	13,489.18	473.83
		For Cement Mortar Lining (CML), Add	*1,277.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,298.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*957.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	17,499.51	504.10
		For Cement Mortar Lining (CML), Add	*1,673.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,012.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,255.18*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	163.12	45.45
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	196.18	54.31
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	298.27	80.27
		For Cement Mortar Lining (CML), Add	*17.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	419.23	95.21
		For Cement Mortar Lining (CML), Add	*27.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	567.57	105.06
		For Cement Mortar Lining (CML), Add	*40.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	722.70	123.24
		For Cement Mortar Lining (CML), Add	*53.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*96.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,185.29	138.21
		For Cement Mortar Lining (CML), Add	*97.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,391.94	157.94
		For Cement Mortar Lining (CML), Add	*115.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,750.74	221.12
		For Cement Mortar Lining (CML), Add	*141.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,343.09	276.40
		For Cement Mortar Lining (CML), Add	*192.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,139.88	368.05
		For Cement Mortar Lining (CML), Add	*258.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*464.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*193.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,361.96	394.86
		For Cement Mortar Lining (CML), Add	*476.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*857.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*357.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,603.60	409.94
		For Cement Mortar Lining (CML), Add	*698.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,256.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*523.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	11,260.50	473.83
		For Cement Mortar Lining (CML), Add	*1,054.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,897.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*790.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,491.28	504.10
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	163.12	45.45
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	190.29	54.31
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	304.16	80.27
		For Cement Mortar Lining (CML), Add	*18.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	393.71	95.21
		For Cement Mortar Lining (CML), Add	*24.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	563.64	105.06
		For Cement Mortar Lining (CML), Add	*40.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	689.32	123.24
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,322.74	138.21
		For Cement Mortar Lining (CML), Add	*111.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,458.71	157.94
		For Cement Mortar Lining (CML), Add	*121.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*219.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,123.82	221.12
		For Cement Mortar Lining (CML), Add	*178.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,231.16	276.40
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,974.94	368.05
		For Cement Mortar Lining (CML), Add	*241.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,448.36	394.86
		For Cement Mortar Lining (CML), Add	*485.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*873.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*363.76*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	7,250.15	409.94
		For Cement Mortar Lining (CML), Add	*662.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,779.42	473.83
		For Cement Mortar Lining (CML), Add	*1,006.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	14,397.02	504.10
		For Cement Mortar Lining (CML), Add	*1,363.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,453.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,022.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083		Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	208.29	45.45
		For Cement Mortar Lining (CML), Add	*13.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*25.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	255.09	54.31
		For Cement Mortar Lining (CML), Add	*17.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	408.24	80.27
		For Cement Mortar Lining (CML), Add	*28.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	554.72	95.21
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	803.20	105.06
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,029.02	123.24
		For Cement Mortar Lining (CML), Add	*84.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*151.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,776.33	138.21
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,721.30	157.94
		For Cement Mortar Lining (CML), Add	*248.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*446.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.15*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,154.71	221.12
		For Cement Mortar Lining (CML), Add	*281.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*507.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,289.02	276.40
		For Cement Mortar Lining (CML), Add	*387.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	5,207.55	368.05
		For Cement Mortar Lining (CML), Add	*464.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*836.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*348.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,754.54	394.86
		For Cement Mortar Lining (CML), Add	*915.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,648.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*686.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	17,494.25	409.94
		For Cement Mortar Lining (CML), Add	*1,687.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,037.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,265.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	190.61	45.45
		For Cement Mortar Lining (CML), Add	*12.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	207.96	54.31
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	335.58	80.27
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	487.96	95.21
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	669.68	105.06
		For Cement Mortar Lining (CML), Add	*51.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*91.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	913.17	123.24
		For Cement Mortar Lining (CML), Add	*72.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.49*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,570.15	138.21
		For Cement Mortar Lining (CML), Add	*136.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,397.31	157.94
		For Cement Mortar Lining (CML), Add	*215.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*388.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*161.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,826.79	221.12
		For Cement Mortar Lining (CML), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,672.45	276.40
		For Cement Mortar Lining (CML), Add	*325.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*585.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,612.58	368.05
		For Cement Mortar Lining (CML), Add	*405.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*729.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*304.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,562.63	394.86
		For Cement Mortar Lining (CML), Add	*796.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,433.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*597.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	15,300.91	409.94
		For Cement Mortar Lining (CML), Add	*1,467.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,642.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,100.99*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0111 Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	331.10	68.19
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	343.25	76.21
		For Cement Mortar Lining (CML), Add	*22.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*41.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	312.02	80.27
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	416.32	101.11
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	479.59	105.29
		For Cement Mortar Lining (CML), Add	*32.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.01*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	522.14	117.88
		For Cement Mortar Lining (CML), Add	*34.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	555.99	122.01
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	631.92	134.55
		For Cement Mortar Lining (CML), Add	*42.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	732.96	142.95
		For Cement Mortar Lining (CML), Add	*51.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	767.27	130.57
		For Cement Mortar Lining (CML), Add	*56.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	767.54	142.41
		For Cement Mortar Lining (CML), Add	*55.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	873.77	150.31
		For Cement Mortar Lining (CML), Add	*64.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	977.62	157.94
		For Cement Mortar Lining (CML), Add	*73.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	918.83	146.37
		For Cement Mortar Lining (CML), Add	*69.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	1,044.77	158.20
		For Cement Mortar Lining (CML), Add	*80.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,286.49	166.10
		For Cement Mortar Lining (CML), Add	*103.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*186.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,378.55	173.74
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,306.08	181.63
		For Cement Mortar Lining (CML), Add	*103.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,394.61	184.34
		For Cement Mortar Lining (CML), Add	*111.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,553.87	192.25
		For Cement Mortar Lining (CML), Add	*126.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,989.56	199.87
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,127.19	207.76
		For Cement Mortar Lining (CML), Add	*181.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*326.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*135.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	2,050.80	220.88
		For Cement Mortar Lining (CML), Add	*171.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*308.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,774.24	221.11
		For Cement Mortar Lining (CML), Add	*143.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*259.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,910.03	229.02
		For Cement Mortar Lining (CML), Add	*156.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*281.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,227.90	236.64
		For Cement Mortar Lining (CML), Add	*186.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,440.16	244.54
		For Cement Mortar Lining (CML), Add	*206.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*372.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,941.05	257.62
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,776.46	276.05
		For Cement Mortar Lining (CML), Add	*235.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*424.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.87*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,466.97	282.99
		For Cement Mortar Lining (CML), Add	*203.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*366.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,647.83	290.88
		For Cement Mortar Lining (CML), Add	*220.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*397.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,867.52	298.52
		For Cement Mortar Lining (CML), Add	*241.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*434.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	3,085.67	306.41
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,174.19	319.47
		For Cement Mortar Lining (CML), Add	*269.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,388.58	337.87
		For Cement Mortar Lining (CML), Add	*287.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*517.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,971.53	368.77
		For Cement Mortar Lining (CML), Add	*341.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*614.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,908.32	405.79
		For Cement Mortar Lining (CML), Add	*229.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*412.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,971.36	413.71
		For Cement Mortar Lining (CML), Add	*234.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*422.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,240.15	421.33
		For Cement Mortar Lining (CML), Add	*260.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*195.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,507.38	429.22
		For Cement Mortar Lining (CML), Add	*285.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,548.78	442.29
		For Cement Mortar Lining (CML), Add	*287.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*518.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*215.90*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,600.20	460.68
		For Cement Mortar Lining (CML), Add	*290.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*522.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*217.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,534.62	491.61
		For Cement Mortar Lining (CML), Add	*378.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*682.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*284.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,983.61	553.05
		For Cement Mortar Lining (CML), Add	*314.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*566.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*235.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,559.22	528.23
		For Cement Mortar Lining (CML), Add	*275.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,606.53	536.89
		For Cement Mortar Lining (CML), Add	*279.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*502.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*209.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,979.40	543.77
		For Cement Mortar Lining (CML), Add	*315.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*567.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*236.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	4,079.71	551.67
		For Cement Mortar Lining (CML), Add	*324.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,598.26	564.73
		For Cement Mortar Lining (CML), Add	*374.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,969.77	583.11
		For Cement Mortar Lining (CML), Add	*408.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*735.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*306.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,652.84	614.06
		For Cement Mortar Lining (CML), Add	*472.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*850.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*354.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	6,266.24	675.46
		For Cement Mortar Lining (CML), Add	*524.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*943.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*393.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,785.62	736.71
		For Cement Mortar Lining (CML), Add	*466.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*840.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*350.21*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	6,212.50	623.15
		For Cement Mortar Lining (CML), Add	*526.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*948.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*395.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,548.04	630.77
		For Cement Mortar Lining (CML), Add	*559.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,006.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*419.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,884.01	638.67
		For Cement Mortar Lining (CML), Add	*591.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,064.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*443.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,363.30	651.75
		For Cement Mortar Lining (CML), Add	*637.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,147.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*478.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,882.05	867.13
		For Cement Mortar Lining (CML), Add	*686.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,236.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*515.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	8,093.86	701.05
		For Cement Mortar Lining (CML), Add	*703.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,265.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*527.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,416.64	762.47
		For Cement Mortar Lining (CML), Add	*726.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,307.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*544.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,841.24	823.69
		For Cement Mortar Lining (CML), Add	*759.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,366.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*569.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	11,102.47	867.13
		For Cement Mortar Lining (CML), Add	*978.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,761.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*734.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,498.99	615.24
		For Cement Mortar Lining (CML), Add	*556.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,002.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*417.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,601.88	691.26
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,465.64	698.90
		For Cement Mortar Lining (CML), Add	*740.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,333.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*555.50*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,933.15	706.80
		For Cement Mortar Lining (CML), Add	*786.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,415.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*589.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	9,269.09	719.87
		For Cement Mortar Lining (CML), Add	*817.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,472.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*613.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,609.17	738.26
		For Cement Mortar Lining (CML), Add	*849.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,528.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*636.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	10,260.83	769.19
		For Cement Mortar Lining (CML), Add	*909.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,637.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*682.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,960.63	830.59
		For Cement Mortar Lining (CML), Add	*970.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	12,129.43	891.81
		For Cement Mortar Lining (CML), Add	*1,077.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,940.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*808.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	13,414.75	969.44
		For Cement Mortar Lining (CML), Add	*1,199.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,159.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*899.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	15,675.40	969.44
		For Cement Mortar Lining (CML), Add	*1,420.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,557.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,065.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	17,654.26	744.87
		For Cement Mortar Lining (CML), Add	*1,652.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	18,007.88	757.95
		For Cement Mortar Lining (CML), Add	*1,685.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,034.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,264.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	20,020.93	776.33
		For Cement Mortar Lining (CML), Add	*1,884.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,392.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,413.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	18,712.92	807.26
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	18,805.96	868.68
		For Cement Mortar Lining (CML), Add	*1,748.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,148.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,311.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	19,218.78	929.89
		For Cement Mortar Lining (CML), Add	*1,780.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,205.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,335.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	23,321.85	973.40
		For Cement Mortar Lining (CML), Add	*2,184.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,932.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,638.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	24,290.46	1,007.46
		For Cement Mortar Lining (CML), Add	*2,276.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,097.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,707.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	25,699.73	1,026.51
		For Cement Mortar Lining (CML), Add	*2,414.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,346.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,810.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	20,807.46	805.56
		For Cement Mortar Lining (CML), Add	*1,958.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,525.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,469.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	21,180.71	818.63
		For Cement Mortar Lining (CML), Add	*1,994.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,589.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,495.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	21,709.28	837.02
		For Cement Mortar Lining (CML), Add	*2,044.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,679.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,533.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	22,254.90	867.95
		For Cement Mortar Lining (CML), Add	*2,093.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,769.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,570.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	22,848.66	929.36
		For Cement Mortar Lining (CML), Add	*2,144.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,859.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,608.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	23,008.18	990.57
		For Cement Mortar Lining (CML), Add	*2,150.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,871.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,613.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	28,020.41	1,034.07
		For Cement Mortar Lining (CML), Add	*2,645.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,761.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,984.02*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	31,959.94	1,068.14
		For Cement Mortar Lining (CML), Add	*3,034.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,461.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,275.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	33,528.25	1,087.18
		For Cement Mortar Lining (CML), Add	*3,188.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,738.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,391.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	34,086.73	1,117.57
		For Cement Mortar Lining (CML), Add	*3,239.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,830.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,429.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0204		**Mechanical Joint Ductile Iron Wye (Laterals)** *(33 14 13 13-0002)*		
33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	282.38	76.21
		For Cement Mortar Lining (CML), Add	*16.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	433.75	80.22
		For Cement Mortar Lining (CML), Add	*31.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	416.32	101.11
		For Cement Mortar Lining (CML), Add	*26.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	481.55	105.29
		For Cement Mortar Lining (CML), Add	*32.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	649.77	117.81
		For Cement Mortar Lining (CML), Add	*47.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*84.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	834.82	122.01
		For Cement Mortar Lining (CML), Add	*65.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	747.78	134.55
		For Cement Mortar Lining (CML), Add	*54.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	903.79	142.90
		For Cement Mortar Lining (CML), Add	*68.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,291.56	130.57
		For Cement Mortar Lining (CML), Add	*109.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*196.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.03*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,366.44	142.41
		For Cement Mortar Lining (CML), Add	*115.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*207.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,570.85	150.31
		For Cement Mortar Lining (CML), Add	*134.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,768.95	157.94
		For Cement Mortar Lining (CML), Add	*152.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*275.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*114.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,649.29	146.37
		For Cement Mortar Lining (CML), Add	*142.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*256.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,865.55	158.20
		For Cement Mortar Lining (CML), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*292.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,248.65	166.10
		For Cement Mortar Lining (CML), Add	*199.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,313.23	173.74
		For Cement Mortar Lining (CML), Add	*205.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,095.45	181.62
		For Cement Mortar Lining (CML), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*327.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*136.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,470.67	184.34
		For Cement Mortar Lining (CML), Add	*219.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,828.25	192.25
		For Cement Mortar Lining (CML), Add	*253.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*456.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*190.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,693.97	199.87
		For Cement Mortar Lining (CML), Add	*339.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*610.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*254.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,957.27	207.76
		For Cement Mortar Lining (CML), Add	*364.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*655.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*273.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,867.13	220.83
		For Cement Mortar Lining (CML), Add	*353.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*635.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*264.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,538.18	221.11
		For Cement Mortar Lining (CML), Add	*220.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,793.65	229.02
		For Cement Mortar Lining (CML), Add	*244.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*440.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*183.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,294.13	236.64
		For Cement Mortar Lining (CML), Add	*293.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*528.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*220.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,685.09	244.54
		For Cement Mortar Lining (CML), Add	*331.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*596.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*248.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,612.07	257.62
		For Cement Mortar Lining (CML), Add	*422.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,447.49	275.99
		For Cement Mortar Lining (CML), Add	*402.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,996.61	282.99
		For Cement Mortar Lining (CML), Add	*356.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*642.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,303.14	290.88
		For Cement Mortar Lining (CML), Add	*386.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*695.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,599.41	298.52
		For Cement Mortar Lining (CML), Add	*414.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*746.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*311.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,921.63	306.41
		For Cement Mortar Lining (CML), Add	*445.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,976.78	319.47
		For Cement Mortar Lining (CML), Add	*449.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*808.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.95*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,028.19	337.87
		For Cement Mortar Lining (CML), Add	*451.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*812.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,599.88	368.80
		For Cement Mortar Lining (CML), Add	*404.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*727.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*303.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,742.33	405.79
		For Cement Mortar Lining (CML), Add	*412.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*742.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*309.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,846.60	413.71
		For Cement Mortar Lining (CML), Add	*421.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*759.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*316.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,321.57	421.33
		For Cement Mortar Lining (CML), Add	*468.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*842.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,793.01	429.22
		For Cement Mortar Lining (CML), Add	*514.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,852.08	442.29
		For Cement Mortar Lining (CML), Add	*518.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*932.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*388.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,921.18	460.68
		For Cement Mortar Lining (CML), Add	*522.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*940.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*391.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,859.52	491.61
		For Cement Mortar Lining (CML), Add	*611.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,100.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*458.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,500.94	553.01
		For Cement Mortar Lining (CML), Add	*566.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,019.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*424.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,766.30	528.23
		For Cement Mortar Lining (CML), Add	*496.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*893.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*372.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,841.11	536.14
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,502.62	543.77
		For Cement Mortar Lining (CML), Add	*567.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,022.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*425.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,805.18	551.67
		For Cement Mortar Lining (CML), Add	*596.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,853.91	564.73
		For Cement Mortar Lining (CML), Add	*699.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,259.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*524.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,724.17	583.11
		For Cement Mortar Lining (CML), Add	*784.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,411.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*588.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,760.69	614.06
		For Cement Mortar Lining (CML), Add	*883.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,589.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,723.61	675.46
		For Cement Mortar Lining (CML), Add	*970.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,746.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*727.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,520.39	736.67
		For Cement Mortar Lining (CML), Add	*840.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,512.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*630.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,887.10	615.24
		For Cement Mortar Lining (CML), Add	*1,095.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,971.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*821.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	13,324.66	623.15
		For Cement Mortar Lining (CML), Add	*1,238.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,228.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*928.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	14,098.08	630.77
		For Cement Mortar Lining (CML), Add	*1,314.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,365.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*985.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,871.93	638.67
		For Cement Mortar Lining (CML), Add	*1,390.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,502.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,042.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,969.76	651.75
		For Cement Mortar Lining (CML), Add	*1,498.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,696.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,123.67*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	17,152.20	670.12
		For Cement Mortar Lining (CML), Add	*1,613.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,904.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,210.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	17,585.90	701.05
		For Cement Mortar Lining (CML), Add	*1,652.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,974.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,239.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	18,218.93	762.47
		For Cement Mortar Lining (CML), Add	*1,706.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,071.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,279.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	19,091.23	823.69
		For Cement Mortar Lining (CML), Add	*1,784.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,211.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,338.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	20,690.72	867.20
		For Cement Mortar Lining (CML), Add	*1,937.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,487.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,453.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	22,692.10	706.80
		For Cement Mortar Lining (CML), Add	*2,162.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,891.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,621.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	23,581.77	719.87
		For Cement Mortar Lining (CML), Add	*2,249.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,048.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	24,467.73	738.26
		For Cement Mortar Lining (CML), Add	*2,334.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,751.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	26,177.77	769.19
		For Cement Mortar Lining (CML), Add	*2,501.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,502.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,875.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	27,939.88	830.59
		For Cement Mortar Lining (CML), Add	*2,668.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,802.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,001.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	30,991.77	891.81
		For Cement Mortar Lining (CML), Add	*2,964.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,335.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,223.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	34,715.88	935.31
		For Cement Mortar Lining (CML), Add	*3,329.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,993.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,497.40*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	41,426.06	969.38
		For Cement Mortar Lining (CML), Add	*3,995.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,192.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,996.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	36,452.83	868.68
		For Cement Mortar Lining (CML), Add	*3,513.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,324.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,635.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	37,364.41	929.89
		For Cement Mortar Lining (CML), Add	*3,595.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,471.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,696.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	39,912.31	973.40
		For Cement Mortar Lining (CML), Add	*3,843.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,918.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,882.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	45,638.72	1,007.46
		For Cement Mortar Lining (CML), Add	*4,411.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,940.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,308.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	53,824.37	1,026.50
		For Cement Mortar Lining (CML), Add	*5,226.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,408.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,920.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	35,963.54	929.36
		For Cement Mortar Lining (CML), Add	*3,455.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,219.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,591.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	40,729.67	990.57
		For Cement Mortar Lining (CML), Add	*3,922.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,061.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,942.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	43,409.14	1,034.07
		For Cement Mortar Lining (CML), Add	*4,184.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,531.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,138.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	49,479.18	1,068.14
		For Cement Mortar Lining (CML), Add	*4,786.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,614.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,589.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	64,686.65	1,087.18
		For Cement Mortar Lining (CML), Add	*6,303.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,347.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,727.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	71,016.15	1,117.52
		For Cement Mortar Lining (CML), Add	*6,932.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*12,478.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5,199.22*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0286 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0287	EA	6" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	575.16	117.88
		For Cement Mortar Lining (CML), Add	*39.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*29.75*	
33 14 13 13-0288	EA	8" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	682.98	134.55
		For Cement Mortar Lining (CML), Add	*47.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.93*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*35.93*	
33 14 13 13-0289	EA	10" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,032.63	142.41
		For Cement Mortar Lining (CML), Add	*81.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*61.26*	
33 14 13 13-0290	EA	12" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,160.62	158.20
		For Cement Mortar Lining (CML), Add	*92.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.07*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*69.07*	
33 14 13 13-0291	EA	14" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,583.12	184.34
		For Cement Mortar Lining (CML), Add	*130.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*234.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.79*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*97.79*	
33 14 13 13-0292	EA	16" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,021.75	221.11
		For Cement Mortar Lining (CML), Add	*168.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*303.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*126.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*126.50*	
33 14 13 13-0293	EA	18" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,482.68	282.99
		For Cement Mortar Lining (CML), Add	*205.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*369.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*154.04*	
33 14 13 13-0294	EA	20" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,479.73	405.79
		For Cement Mortar Lining (CML), Add	*286.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*515.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*214.87*	
33 14 13 13-0295	EA	24" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,045.20	528.23
		For Cement Mortar Lining (CML), Add	*328.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*246.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*246.24*	
33 14 13 13-0296	EA	30" x 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,904.92	615.24
		For Cement Mortar Lining (CML), Add	*697.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,255.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*522.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*522.96*	

33 14 13 13-0297 Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0298	EA	6" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	516.25	117.88
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*33.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.33*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*25.33*	
33 14 13 13-0299	EA	8" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	604.43	134.55
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*40.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*72.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.04*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*30.04*	
33 14 13 13-0300	EA	10" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	859.83	142.41
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*48.30*	
33 14 13 13-0301	EA	12" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,064.40	158.20
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*82.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.85*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*61.85*	
33 14 13 13-0302	EA	14" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,339.63	184.34
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*106.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*190.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*79.53*	
33 14 13 13-0303	EA	16" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	1,691.87	221.11
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*135.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*244.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.76*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*101.76*	
33 14 13 13-0304	EA	18" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,186.17	282.99
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*175.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.81*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*131.81*	
33 14 13 13-0305	EA	20" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	2,386.01	405.79
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*132.84*	
33 14 13 13-0306	EA	24" x 6" Mechanical Joint x Swivel (MJxSW) Ductile Iron Hydrant Tee	3,312.78	528.23
		Note: Includes swivel gland.		
		For Cement Mortar Lining (CML), Add	*255.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*459.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*191.30*	
		Note: ANSI/AWWA C151/A21.51		
		For Protective Fusion-Bonded Epoxy Coated, C116, Add	*191.30*	

33 14 13 13-0307 Mechanical Joint Ductile Iron Cross *(33 14 13 13-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0308	EA	3" x 3" Mechanical Joint Ductile Iron Cross	391.05	90.92
		For Cement Mortar Lining (CML), Add	*25.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	4" x 3" Mechanical Joint Ductile Iron Cross	473.90	98.93
		For Cement Mortar Lining (CML), Add	*32.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	4" x 4" Mechanical Joint Ductile Iron Cross	562.34	100.28
		For Cement Mortar Lining (CML), Add	*41.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	6" x 3" Mechanical Joint Ductile Iron Cross	670.94	123.95
		For Cement Mortar Lining (CML), Add	*48.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	6" x 4" Mechanical Joint Ductile Iron Cross	650.28	133.70
		For Cement Mortar Lining (CML), Add	*44.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	6" x 6" Mechanical Joint Ductile Iron Cross	755.91	167.13
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	8" x 4" Mechanical Joint Ductile Iron Cross	667.33	146.25
		For Cement Mortar Lining (CML), Add	*44.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	8" x 6" Mechanical Joint Ductile Iron Cross	792.58	179.67
		For Cement Mortar Lining (CML), Add	*52.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	8" x 8" Mechanical Joint Ductile Iron Cross	839.08	192.19
		For Cement Mortar Lining (CML), Add	*54.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	10" x 4" Mechanical Joint Ductile Iron Cross	812.60	152.71
		For Cement Mortar Lining (CML), Add	*58.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*104.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	10" x 6" Mechanical Joint Ductile Iron Cross	931.15	184.29
		For Cement Mortar Lining (CML), Add	*65.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*117.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,106.19	196.15
		For Cement Mortar Lining (CML), Add	*80.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.68*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0320	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,196.87	210.59
		For Cement Mortar Lining (CML), Add	*87.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	12 x 4" Mechanical Joint Ductile Iron Cross	985.67	165.84
		For Cement Mortar Lining (CML), Add	*73.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,145.45	197.43
		For Cement Mortar Lining (CML), Add	*84.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*152.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,652.35	209.28
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,674.30	223.77
		For Cement Mortar Lining (CML), Add	*133.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*240.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,900.39	236.91
		For Cement Mortar Lining (CML), Add	*154.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,947.05	217.16
		For Cement Mortar Lining (CML), Add	*161.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*291.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*121.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,290.96	229.02
		For Cement Mortar Lining (CML), Add	*194.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*349.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,352.19	243.51
		For Cement Mortar Lining (CML), Add	*198.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,482.06	256.64
		For Cement Mortar Lining (CML), Add	*209.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,745.63	276.40
		For Cement Mortar Lining (CML), Add	*232.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*418.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*174.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0331	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,226.49	244.79
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0332	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,533.10	256.64
		For Cement Mortar Lining (CML), Add	*214.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*385.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*160.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	16" x 10" Mechanical Joint Ductile Iron Cross	3,031.39	271.12
		For Cement Mortar Lining (CML), Add	*262.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,378.08	284.27
		For Cement Mortar Lining (CML), Add	*294.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*530.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*221.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	16" x 14" Mechanical Joint Ductile Iron Cross	4,079.53	304.01
		For Cement Mortar Lining (CML), Add	*361.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,775.26	331.68
		For Cement Mortar Lining (CML), Add	*427.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*769.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,680.45	289.46
		For Cement Mortar Lining (CML), Add	*324.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*583.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*243.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,890.87	301.31
		For Cement Mortar Lining (CML), Add	*343.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*618.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	18" x 10" Mechanical Joint Ductile Iron Cross	4,073.83	315.79
		For Cement Mortar Lining (CML), Add	*359.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*647.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*269.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,415.77	328.94
		For Cement Mortar Lining (CML), Add	*391.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*705.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*293.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	18" x 14" Mechanical Joint Ductile Iron Cross	5,150.60	348.67
		For Cement Mortar Lining (CML), Add	*462.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*832.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*346.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,483.07	376.29
		For Cement Mortar Lining (CML), Add	*491.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*884.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0343	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,743.17	420.95
		For Cement Mortar Lining (CML), Add	*510.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*918.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*382.90*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0344	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,626.70	363.18
		For Cement Mortar Lining (CML), Add	*407.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,839.06	375.03
		For Cement Mortar Lining (CML), Add	*427.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,988.65	389.52
		For Cement Mortar Lining (CML), Add	*439.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*791.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*329.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,328.64	402.66
		For Cement Mortar Lining (CML), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*849.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*353.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,423.33	422.40
		For Cement Mortar Lining (CML), Add	*478.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*861.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*358.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,556.94	450.02
		For Cement Mortar Lining (CML), Add	*587.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,057.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*440.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,817.04	494.69
		For Cement Mortar Lining (CML), Add	*606.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,092.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*455.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,378.42	568.36
		For Cement Mortar Lining (CML), Add	*651.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,173.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*488.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,306.22	454.32
		For Cement Mortar Lining (CML), Add	*561.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,011.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*421.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,454.13	466.17
		For Cement Mortar Lining (CML), Add	*574.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,034.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*431.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,699.57	480.65
		For Cement Mortar Lining (CML), Add	*597.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,074.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*447.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0355	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,911.92	493.80
		For Cement Mortar Lining (CML), Add	*616.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,109.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*462.28*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0356	EA	24" x 14" Mechanical Joint Ductile Iron Cross	7,038.03	513.53
		For Cement Mortar Lining (CML), Add	*626.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	24" x 16" Mechanical Joint Ductile Iron Cross	7,305.70	541.16
		For Cement Mortar Lining (CML), Add	*648.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,167.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*486.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,653.12	585.82
		For Cement Mortar Lining (CML), Add	*876.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	24" x 20" Mechanical Joint Ductile Iron Cross	10,181.11	659.54
		For Cement Mortar Lining (CML), Add	*918.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,652.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*688.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	24" x 24" Mechanical Joint Ductile Iron Cross	11,218.52	750.71
		For Cement Mortar Lining (CML), Add	*1,008.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,814.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*756.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	30" x 8" Mechanical Joint Ductile Iron Cross	12,050.85	604.08
		For Cement Mortar Lining (CML), Add	*1,113.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,004.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*835.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	30" x 10" Mechanical Joint Ductile Iron Cross	12,290.76	618.57
		For Cement Mortar Lining (CML), Add	*1,135.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,043.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*851.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	30" x 12" Mechanical Joint Ductile Iron Cross	12,526.67	631.71
		For Cement Mortar Lining (CML), Add	*1,156.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,082.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*867.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,805.94	651.45
		For Cement Mortar Lining (CML), Add	*1,181.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	30" x 16" Mechanical Joint Ductile Iron Cross	13,126.62	679.06
		For Cement Mortar Lining (CML), Add	*1,209.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,177.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*907.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	30" x 18" Mechanical Joint Ductile Iron Cross	13,504.55	723.72
		For Cement Mortar Lining (CML), Add	*1,240.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,233.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*930.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,987.38	797.46
		For Cement Mortar Lining (CML), Add	*1,277.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,300.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*958.43*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0368	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,976.08	888.58
		For Cement Mortar Lining (CML), Add	*1,662.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,993.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,247.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	30" x 30" Mechanical Joint Ductile Iron Cross	20,670.95	1,026.51
		For Cement Mortar Lining (CML), Add	*1,911.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,440.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,433.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,813.02	654.92
		For Cement Mortar Lining (CML), Add	*1,582.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,847.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,186.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	36" x 10" Mechanical Joint Ductile Iron Cross	17,050.96	669.39
		For Cement Mortar Lining (CML), Add	*1,603.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,886.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,202.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	36" x 12" Mechanical Joint Ductile Iron Cross	17,255.46	682.55
		For Cement Mortar Lining (CML), Add	*1,622.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,919.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,216.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	36" x 14" Mechanical Joint Ductile Iron Cross	17,501.35	702.27
		For Cement Mortar Lining (CML), Add	*1,643.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,958.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,232.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	36" x 16" Mechanical Joint Ductile Iron Cross	17,790.61	729.90
		For Cement Mortar Lining (CML), Add	*1,668.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,003.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,251.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	36" x 18" Mechanical Joint Ductile Iron Cross	18,135.16	774.56
		For Cement Mortar Lining (CML), Add	*1,696.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,053.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,272.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	36" x 20" Mechanical Joint Ductile Iron Cross	18,586.57	848.29
		For Cement Mortar Lining (CML), Add	*1,730.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,114.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,297.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	36" x 24" Mechanical Joint Ductile Iron Cross	19,372.64	939.43
		For Cement Mortar Lining (CML), Add	*1,794.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,230.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,346.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378	EA	36" x 30" Mechanical Joint Ductile Iron Cross	26,088.96	1,077.33
		For Cement Mortar Lining (CML), Add	*2,445.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,402.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,834.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0379	EA	36" x 36" Mechanical Joint Ductile Iron Cross	28,663.69	1,128.22
		For Cement Mortar Lining (CML), Add	*2,695.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,851.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,021.58*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0380	EA	42" x 12" Mechanical Joint Ductile Iron Cross	22,562.45	711.93
		For Cement Mortar Lining (CML), Add	*2,148.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,867.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,611.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	42" x 14" Mechanical Joint Ductile Iron Cross	25,509.76	731.67
		For Cement Mortar Lining (CML), Add	*2,440.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,392.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,830.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	42" x 16" Mechanical Joint Ductile Iron Cross	23,076.00	759.29
		For Cement Mortar Lining (CML), Add	*2,192.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,946.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,644.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	42" x 18" Mechanical Joint Ductile Iron Cross	23,381.26	803.96
		For Cement Mortar Lining (CML), Add	*2,216.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,989.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,662.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	42" x 20" Mechanical Joint Ductile Iron Cross	23,816.97	877.68
		For Cement Mortar Lining (CML), Add	*2,248.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,047.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,686.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	42" x 24" Mechanical Joint Ductile Iron Cross	24,546.09	968.82
		For Cement Mortar Lining (CML), Add	*2,307.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,154.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,730.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	42" x 30" Mechanical Joint Ductile Iron Cross	31,423.43	1,106.73
		For Cement Mortar Lining (CML), Add	*2,974.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,354.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,230.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	42" x 36" Mechanical Joint Ductile Iron Cross	41,033.73	1,157.56
		For Cement Mortar Lining (CML), Add	*3,927.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,070.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,945.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	42" x 42" Mechanical Joint Ductile Iron Cross	43,968.68	1,186.97
		For Cement Mortar Lining (CML), Add	*4,217.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,590.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,162.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	48" x 12" Mechanical Joint Ductile Iron Cross	30,501.37	828.63
		For Cement Mortar Lining (CML), Add	*2,924.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,264.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,193.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	48" x 14" Mechanical Joint Ductile Iron Cross	30,707.99	848.37
		For Cement Mortar Lining (CML), Add	*2,942.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,296.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,206.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	48" x 16" Mechanical Joint Ductile Iron Cross	30,985.48	875.99
		For Cement Mortar Lining (CML), Add	*2,965.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,338.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,224.37*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0392	EA	48" x 18" Mechanical Joint Ductile Iron Cross	31,288.78	920.66
		For Cement Mortar Lining (CML), Add	*2,989.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,380.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,242.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	48" x 20" Mechanical Joint Ductile Iron Cross	31,697.00	994.38
		For Cement Mortar Lining (CML), Add	*3,019.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,434.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,264.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	48" x 24" Mechanical Joint Ductile Iron Cross	32,394.71	1,085.51
		For Cement Mortar Lining (CML), Add	*3,075.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,535.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,306.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	48" x 30" Mechanical Joint Ductile Iron Cross	34,286.46	1,223.43
		For Cement Mortar Lining (CML), Add	*3,243.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,837.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,432.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	48" x 36" Mechanical Joint Ductile Iron Cross	42,005.81	1,274.25
		For Cement Mortar Lining (CML), Add	*4,007.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,213.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,005.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	48" x 42" Mechanical Joint Ductile Iron Cross	54,002.79	1,303.66
		For Cement Mortar Lining (CML), Add	*5,202.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,364.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,902.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	48" x 48" Mechanical Joint Ductile Iron Cross	57,513.79	1,420.30
		For Cement Mortar Lining (CML), Add	*5,536.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,965.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,152.13*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0399 Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*

33 14 13 13-0400	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	188.84	49.47
		For Cement Mortar Lining (CML), Add	*11.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	219.61	62.00
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	237.48	66.01
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	301.32	74.38
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	331.96	86.90
		For Cement Mortar Lining (CML), Add	*20.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.02*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0405	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	363.51	77.92
		For Cement Mortar Lining (CML), Add	*24.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	395.20	89.77
		For Cement Mortar Lining (CML), Add	*25.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*46.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	432.69	97.66
		For Cement Mortar Lining (CML), Add	*28.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	440.26	85.81
		For Cement Mortar Lining (CML), Add	*31.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	489.63	97.66
		For Cement Mortar Lining (CML), Add	*34.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	511.43	105.56
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	560.29	113.19
		For Cement Mortar Lining (CML), Add	*38.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	925.71	110.73
		For Cement Mortar Lining (CML), Add	*75.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*136.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*56.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	898.43	118.64
		For Cement Mortar Lining (CML), Add	*71.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	803.94	126.26
		For Cement Mortar Lining (CML), Add	*61.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	845.37	134.16
		For Cement Mortar Lining (CML), Add	*64.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,087.09	129.10
		For Cement Mortar Lining (CML), Add	*89.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*160.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*66.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0417	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,065.69	137.02
		For Cement Mortar Lining (CML), Add	*85.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*154.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,045.84	144.65
		For Cement Mortar Lining (CML), Add	*82.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*148.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,134.38	152.55
		For Cement Mortar Lining (CML), Add	*90.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*162.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*67.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,262.17	165.61
		For Cement Mortar Lining (CML), Add	*101.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*182.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*75.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,356.05	167.95
		For Cement Mortar Lining (CML), Add	*110.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,520.76	175.58
		For Cement Mortar Lining (CML), Add	*125.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,465.98	183.47
		For Cement Mortar Lining (CML), Add	*118.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*213.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,554.50	196.54
		For Cement Mortar Lining (CML), Add	*125.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*226.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,637.33	214.94
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,914.46	229.36
		For Cement Mortar Lining (CML), Add	*156.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,835.70	236.99
		For Cement Mortar Lining (CML), Add	*147.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,692.54	244.88
		For Cement Mortar Lining (CML), Add	*132.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0429	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,702.52	257.95
		For Cement Mortar Lining (CML), Add	*131.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*236.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,757.88	276.34
		For Cement Mortar Lining (CML), Add	*133.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*241.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,109.09	307.28
		For Cement Mortar Lining (CML), Add	*164.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*295.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,488.26	306.10
		For Cement Mortar Lining (CML), Add	*202.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*364.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,559.13	319.17
		For Cement Mortar Lining (CML), Add	*207.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*373.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*155.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,614.47	337.55
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,569.05	368.49
		For Cement Mortar Lining (CML), Add	*201.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0436	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,141.20	429.91
		For Cement Mortar Lining (CML), Add	*248.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*448.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0437	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,142.74	381.06
		For Cement Mortar Lining (CML), Add	*456.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,370.25	411.99
		For Cement Mortar Lining (CML), Add	*474.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*854.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,200.18	473.40
		For Cement Mortar Lining (CML), Add	*448.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*806.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*336.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,078.90	534.63
		For Cement Mortar Lining (CML), Add	*426.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*768.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.17*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0441	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,714.14	507.47
		For Cement Mortar Lining (CML), Add	*694.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,250.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*520.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,375.43	568.68
		For Cement Mortar Lining (CML), Add	*551.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*992.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*413.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,924.39	612.18
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,035.98	434.16
		For Cement Mortar Lining (CML), Add	*937.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,688.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*703.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,996.45	465.10
		For Cement Mortar Lining (CML), Add	*929.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,672.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*696.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,058.08	526.50
		For Cement Mortar Lining (CML), Add	*926.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,224.92	587.73
		For Cement Mortar Lining (CML), Add	*1,033.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,860.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*775.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,252.62	631.23
		For Cement Mortar Lining (CML), Add	*829.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,493.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*622.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,685.17	665.29
		For Cement Mortar Lining (CML), Add	*867.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,561.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*650.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,526.10	464.51
		For Cement Mortar Lining (CML), Add	*1,282.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,308.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*961.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,113.49	495.44
		For Cement Mortar Lining (CML), Add	*1,236.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,225.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*927.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0452	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,499.63	556.85
		For Cement Mortar Lining (CML), Add	*1,165.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,098.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*874.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0453	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,888.90	618.06
		For Cement Mortar Lining (CML), Add	*1,195.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,151.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*896.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0454	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,403.42	661.57
		For Cement Mortar Lining (CML), Add	*1,440.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,592.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,080.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	13,489.46	695.63
		For Cement Mortar Lining (CML), Add	*1,243.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,238.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*932.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,810.36	714.67
		For Cement Mortar Lining (CML), Add	*1,372.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,470.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,029.56*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0457 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

33 14 13 13-0458	EA	3" Mechanical Joint Ductile Iron Caps	209.32	104.46
		For Cement Mortar Lining (CML), Add	*5.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	4" Mechanical Joint Ductile Iron Caps	238.72	122.56
		For Cement Mortar Lining (CML), Add	*5.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	6" Mechanical Joint Ductile Iron Caps	326.37	153.20
		For Cement Mortar Lining (CML), Add	*9.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	8" Mechanical Joint Ductile Iron Caps	422.37	175.10
		For Cement Mortar Lining (CML), Add	*15.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	10" Mechanical Joint Ductile Iron Caps	597.17	263.24
		For Cement Mortar Lining (CML), Add	*19.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*35.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	12" Mechanical Joint Ductile Iron Caps	731.61	287.17
		For Cement Mortar Lining (CML), Add	*29.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	14" Mechanical Joint Ductile Iron Caps	928.28	315.89
		For Cement Mortar Lining (CML), Add	*44.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	16" Mechanical Joint Ductile Iron Caps	1,134.62	350.95
		For Cement Mortar Lining (CML), Add	*60.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*108.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.21*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0466	EA	18" Mechanical Joint Ductile Iron Caps	1,334.62	394.86
		For Cement Mortar Lining (CML), Add	*73.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*132.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*55.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	20" Mechanical Joint Ductile Iron Caps	1,636.09	451.21
		For Cement Mortar Lining (CML), Add	*95.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468	EA	24" Mechanical Joint Ductile Iron Caps	2,105.45	526.48
		For Cement Mortar Lining (CML), Add	*130.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*235.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*98.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0469	EA	30" Mechanical Joint Ductile Iron Caps	3,947.79	631.77
		For Cement Mortar Lining (CML), Add	*299.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*538.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*224.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	36" Mechanical Joint Ductile Iron Caps	6,635.72	789.72
		For Cement Mortar Lining (CML), Add	*543.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*979.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*407.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	42" Mechanical Joint Ductile Iron Caps	9,684.93	947.66
		For Cement Mortar Lining (CML), Add	*824.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,484.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*618.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	48" Mechanical Joint Ductile Iron Caps	11,535.13	1,052.95
		For Cement Mortar Lining (CML), Add	*993.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,789.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*745.48*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0473 Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*

33 14 13 13-0474	EA	3" Mechanical Joint Ductile Iron Plug	217.18	104.46
		For Cement Mortar Lining (CML), Add	*5.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	4" Mechanical Joint Ductile Iron Plug	250.50	122.56
		For Cement Mortar Lining (CML), Add	*6.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	6" Mechanical Joint Ductile Iron Plug	357.79	153.20
		For Cement Mortar Lining (CML), Add	*12.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	8" Mechanical Joint Ductile Iron Plug	453.79	175.10
		For Cement Mortar Lining (CML), Add	*18.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	10" Mechanical Joint Ductile Iron Plug	724.80	263.24
		For Cement Mortar Lining (CML), Add	*32.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.45*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0479	EA	12" Mechanical Joint Ductile Iron Plug	766.96	287.17
		For Cement Mortar Lining (CML), Add	*33.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	14" Mechanical Joint Ductile Iron Plug	1,154.10	315.89
		For Cement Mortar Lining (CML), Add	*67.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*121.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*50.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	16" Mechanical Joint Ductile Iron Plug	618.19	350.95
		For Cement Mortar Lining (CML), Add	*8.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*15.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.48*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	18" Mechanical Joint Ductile Iron Plug	1,670.40	394.86
		For Cement Mortar Lining (CML), Add	*107.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*192.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*80.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	20" Mechanical Joint Ductile Iron Plug	2,093.60	451.21
		For Cement Mortar Lining (CML), Add	*140.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0484	EA	24" Mechanical Joint Ductile Iron Plug	2,753.44	526.48
		For Cement Mortar Lining (CML), Add	*195.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0485	EA	30" Mechanical Joint Ductile Iron Plug	4,839.27	631.77
		For Cement Mortar Lining (CML), Add	*388.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*698.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA	36" Mechanical Joint Ductile Iron Plug	7,193.38	789.72
		For Cement Mortar Lining (CML), Add	*599.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,079.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*449.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA	42" Mechanical Joint Ductile Iron Plug	9,755.62	947.66
		For Cement Mortar Lining (CML), Add	*831.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,497.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*623.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA	48" Mechanical Joint Ductile Iron Plug	12,685.80	1,052.95
		For Cement Mortar Lining (CML), Add	*1,109.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,996.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*831.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489		**Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters** *(33 14 13 13-0002)*		
33 14 13 13-0490	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	368.19	158.77
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	416.00	183.84
		For Cement Mortar Lining (CML), Add	*13.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.31*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0492	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	538.65	229.80
		For Cement Mortar Lining (CML), Add	*19.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	686.57	262.59
		For Cement Mortar Lining (CML), Add	*28.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*51.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,100.95	394.86
		For Cement Mortar Lining (CML), Add	*50.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,296.72	430.76
		For Cement Mortar Lining (CML), Add	*64.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*115.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0496	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,740.97	473.83
		For Cement Mortar Lining (CML), Add	*102.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0497	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,966.03	526.48
		For Cement Mortar Lining (CML), Add	*116.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0498	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,684.29	592.29
		For Cement Mortar Lining (CML), Add	*178.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*134.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0499	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,154.14	676.88
		For Cement Mortar Lining (CML), Add	*212.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*383.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*159.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0500	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,817.96	789.72
		For Cement Mortar Lining (CML), Add	*262.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*471.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*196.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0501	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,260.42	947.66
		For Cement Mortar Lining (CML), Add	*482.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*868.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*361.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0502	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,708.66	1,184.57
		For Cement Mortar Lining (CML), Add	*691.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,244.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*518.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0503	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,690.53	1,353.77
		For Cement Mortar Lining (CML), Add	*963.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,735.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*722.95*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0504	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,465.29	1,579.44
		For Cement Mortar Lining (CML), Add	*1,207.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*905.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0505		**Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0002)*		
33 14 13 13-0506	EA	3" Mechanical Joint Ductile Iron Long Sleeves	348.56	158.77
		For Cement Mortar Lining (CML), Add	*10.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0507	EA	4" Mechanical Joint Ductile Iron Long Sleeves	406.18	183.84
		For Cement Mortar Lining (CML), Add	*12.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0508	EA	6" Mechanical Joint Ductile Iron Long Sleeves	562.21	229.80
		For Cement Mortar Lining (CML), Add	*21.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*38.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0509	EA	8" Mechanical Joint Ductile Iron Long Sleeves	749.40	262.59
		For Cement Mortar Lining (CML), Add	*35.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0510	EA	10" Mechanical Joint Ductile Iron Long Sleeves	1,016.52	394.86
		For Cement Mortar Lining (CML), Add	*41.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0511	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,218.18	430.76
		For Cement Mortar Lining (CML), Add	*56.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*101.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.41*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0512	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,572.10	473.83
		For Cement Mortar Lining (CML), Add	*85.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0513	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,879.63	526.48
		For Cement Mortar Lining (CML), Add	*108.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*194.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*81.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0514	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,281.75	592.29
		For Cement Mortar Lining (CML), Add	*138.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*249.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0515	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,696.62	676.88
		For Cement Mortar Lining (CML), Add	*167.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*300.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*125.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0516	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,397.75	789.72
		For Cement Mortar Lining (CML), Add	*220.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*396.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*165.09*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0517	EA	30" Mechanical Joint Ductile Iron Long Sleeves	6,046.38	947.66
		For Cement Mortar Lining (CML), Add	*461.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*829.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.79*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0518	EA	36" Mechanical Joint Ductile Iron Long Sleeves	8,268.81	1,184.57
		For Cement Mortar Lining (CML), Add	*647.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,165.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*485.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0519	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,708.36	1,352.21
		For Cement Mortar Lining (CML), Add	*865.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,558.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*649.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0520	EA	48" Mechanical Joint Ductile Iron Long Sleeves	14,557.58	1,579.44
		For Cement Mortar Lining (CML), Add	*1,216.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,189.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*912.34*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0521 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0522 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0523	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	39.27
33 14 13 13-0524	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	37.66
33 14 13 13-0525	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	45.51
33 14 13 13-0526	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	53.35
33 14 13 13-0527	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	73.75
33 14 13 13-0528	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	78.46
33 14 13 13-0529	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	128.67
33 14 13 13-0530	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	136.52
33 14 13 13-0531	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	182.03
33 14 13 13-0532	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	235.38
33 14 13 13-0533	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	327.96
33 14 13 13-0534	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	783.03
33 14 13 13-0535	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,688.46
33 14 13 13-0536	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,465.21
33 14 13 13-0537	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,025.42
33 14 13 13-0538	EA	54" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	4,064.23

33 14 13 13-0539 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0521)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0540	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	66.76
33 14 13 13-0541	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	53.35
33 14 13 13-0542	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	67.48
33 14 13 13-0543	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	73.75
33 14 13 13-0544	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	102.00
33 14 13 13-0545	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	106.71
33 14 13 13-0546	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	161.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0547	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	177.32	
33 14 13 13-0548	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	235.38	
33 14 13 13-0549	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	304.42	
33 14 13 13-0550	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	425.25	
33 14 13 13-0551		Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0521)* Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0552	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	43.20	
33 14 13 13-0553	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	40.80	
33 14 13 13-0554	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.65	
33 14 13 13-0555	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	58.06	
33 14 13 13-0556	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	80.03	
33 14 13 13-0557	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	84.74	
33 14 13 13-0558	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	139.66	
33 14 13 13-0559	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	147.50	
33 14 13 13-0560	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	199.29	
33 14 13 13-0561	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	255.78	
33 14 13 13-0562	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	357.78	
33 14 13 13-0563	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	856.78	
33 14 13 13-0564	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,898.73	
33 14 13 13-0565	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,749.24	
33 14 13 13-0566	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,383.20	
33 14 13 13-0567	EA	54" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-six (36) 1-1/4" diameter plain finish bolts with nut.	4,152.10	
33 14 13 13-0568		Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)* Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0569	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	217.05	79.64
33 14 13 13-0570	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	247.64	94.33
33 14 13 13-0571	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	307.19	116.74
33 14 13 13-0572	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	383.23	136.24
33 14 13 13-0573	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	551.90	197.43
33 14 13 13-0574	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	680.70	225.67
33 14 13 13-0575	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	792.98	242.90
33 14 13 13-0576	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	977.83	263.24
33 14 13 13-0577	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,255.08	315.89
33 14 13 13-0578	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,481.74	350.83
33 14 13 13-0579	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,925.08	404.79
33 14 13 13-0580	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,742.29	485.44
33 14 13 13-0581	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,621.20	607.48
33 14 13 13-0582	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,823.45	700.93
33 14 13 13-0583	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,738.12	901.48
33 14 13 13-0584		Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®) *(33 14 13 13-0002)*		
33 14 13 13-0585	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,640.75	65.18
33 14 13 13-0586	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,831.99	81.47
33 14 13 13-0587	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,011.52	120.41
33 14 13 13-0588	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,528.84	142.82
33 14 13 13-0589	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	12,010.43	157.59
33 14 13 13-0590	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,020.02	184.87
33 14 13 13-0591	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,735.27	207.30
33 14 13 13-0592	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,347.97	236.91
33 14 13 13-0593	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,321.08	331.68
33 14 13 13-0594	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,410.91	414.61
33 14 13 13-0595	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,066.55	552.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0596		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0597	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	215.49	79.64
33 14 13 13-0598	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	276.49	94.33
33 14 13 13-0599	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	357.24	116.74
33 14 13 13-0600	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	407.78	136.24
33 14 13 13-0601	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	715.67	208.91
33 14 13 13-0602	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	809.99	238.79
33 14 13 13-0603		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0604	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	313.54	79.64
33 14 13 13-0605	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	389.94	94.33
33 14 13 13-0606	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	539.63	116.74
33 14 13 13-0607	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	779.69	136.24
33 14 13 13-0608	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,129.75	208.91
33 14 13 13-0609	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,404.32	238.79
33 14 13 13-0610	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,162.02	257.02
33 14 13 13-0611	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,028.66	278.55
33 14 13 13-0612	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,425.94	334.25
33 14 13 13-0613	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,784.43	371.23
33 14 13 13-0614	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,577.91	428.33
33 14 13 13-0615	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,889.16	513.66
33 14 13 13-0616	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,794.19	642.80
33 14 13 13-0617	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,923.76	741.69
33 14 13 13-0618	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,362.13	953.90
33 14 13 13-0619		**Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint** *(33 14 13 13-0002)* Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0620	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,314.33	122.56
33 14 13 13-0621	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,088.26	153.20
33 14 13 13-0622	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,768.94	175.10
33 14 13 13-0623	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,823.71	263.24
33 14 13 13-0624	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,000.21	287.17
33 14 13 13-0625	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,791.24	315.89
33 14 13 13-0626	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,437.17	350.95
33 14 13 13-0627	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,209.44	394.86
33 14 13 13-0628	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	9,409.66	451.21
33 14 13 13-0629	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	16,441.81	526.48
33 14 13 13-0630	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	57,555.77	631.77
33 14 13 13-0631	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	81,718.44	789.72
33 14 13 13-0632		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)* See CSI section 33 14 13 13-0521 for bolts and gaskets.		
33 14 13 13-0633		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0634	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	487.12	45.45
33 14 13 13-0635	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	583.02	54.44
33 14 13 13-0636	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	905.02	79.76
33 14 13 13-0637	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,238.06	94.96
33 14 13 13-0638	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,698.60	105.30
33 14 13 13-0639	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,154.17	123.24
33 14 13 13-0640	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,064.45	138.79
33 14 13 13-0641	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,718.81	157.94
33 14 13 13-0642	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,491.92	221.36
33 14 13 13-0643	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,598.74	276.40
33 14 13 13-0644	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,917.32	368.53
33 14 13 13-0645	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,688.16	394.86
33 14 13 13-0646	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	18,697.94	410.42
33 14 13 13-0647	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	30,817.95	473.83
33 14 13 13-0648	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	40,320.48	503.74
33 14 13 13-0649		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0650	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	465.52	45.45
33 14 13 13-0651	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	545.71	54.44
33 14 13 13-0652	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	840.22	79.76
33 14 13 13-0653	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,137.91	94.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0654	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,486.53	105.30
33 14 13 13-0655	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,963.70	123.24
33 14 13 13-0656	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,656.03	138.79
33 14 13 13-0657	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,180.78	157.94
33 14 13 13-0658	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,759.50	221.36
33 14 13 13-0659	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,563.92	276.40
33 14 13 13-0660	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	6,014.59	368.53
33 14 13 13-0661	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	11,083.89	394.86
33 14 13 13-0662	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	15,334.29	410.42
33 14 13 13-0663	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	22,794.68	473.83
33 14 13 13-0664	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	29,186.87	503.74
33 14 13 13-0665		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0666	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	361.45	45.45
33 14 13 13-0667	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	539.82	54.44
33 14 13 13-0668	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	816.65	79.76
33 14 13 13-0669	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,130.06	94.96
33 14 13 13-0670	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,484.57	105.30
33 14 13 13-0671	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,849.81	123.24
33 14 13 13-0672	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,671.73	138.79
33 14 13 13-0673	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,110.09	157.94
33 14 13 13-0674	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,741.83	221.36
33 14 13 13-0675	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,726.90	276.40
33 14 13 13-0676	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,885.00	368.53
33 14 13 13-0677	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,860.57	394.86
33 14 13 13-0678	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,468.87	410.42
33 14 13 13-0679	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	19,281.80	473.83
33 14 13 13-0680	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	24,696.12	503.74
33 14 13 13-0681		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0682	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	361.45	45.45
33 14 13 13-0683	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	647.82	54.44
33 14 13 13-0684	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	824.51	79.76
33 14 13 13-0685	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,094.71	94.96
33 14 13 13-0686	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,480.64	105.30
33 14 13 13-0687	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,796.79	123.24
33 14 13 13-0688	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,877.91	138.79
33 14 13 13-0689	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,206.31	157.94
33 14 13 13-0690	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,299.49	221.36
33 14 13 13-0691	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,558.03	276.40
33 14 13 13-0692	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,886.96	368.53
33 14 13 13-0693	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,990.17	394.86
33 14 13 13-0694	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,097.75	410.42
33 14 13 13-0695	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,751.63	473.83
33 14 13 13-0696	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	24,554.74	503.74
33 14 13 13-0697		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0632)*		
33 14 13 13-0698	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	426.25	45.45
33 14 13 13-0699	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	628.18	54.44
33 14 13 13-0700	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	979.63	79.76
33 14 13 13-0701	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,332.31	94.96
33 14 13 13-0702	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,836.05	105.30
33 14 13 13-0703	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,305.36	123.24
33 14 13 13-0704	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,150.33	138.79
33 14 13 13-0705	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,481.59	157.94
33 14 13 13-0706	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,403.94	221.36
33 14 13 13-0707	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,532.36	276.40
33 14 13 13-0708	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,221.15	368.53
33 14 13 13-0709		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** *(33 14 13 13-0632)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0710	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	426.25	45.45
33 14 13 13-0711	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	553.55	54.44
33 14 13 13-0712	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	871.65	79.76
33 14 13 13-0713	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,234.13	94.96
33 14 13 13-0714	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,637.73	105.30
33 14 13 13-0715	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,132.57	123.24
33 14 13 13-0716	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,844.53	138.79
33 14 13 13-0717	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,418.38	157.94
33 14 13 13-0718	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,402.50	221.36
33 14 13 13-0719	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,714.06	276.40
33 14 13 13-0720	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,986.58	368.53

33 14 13 13-0721 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0632)*

33 14 13 13-0722	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	600.11	68.19
33 14 13 13-0723	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	654.52	76.88
33 14 13 13-0724	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	690.99	79.76
33 14 13 13-0725	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	985.77	101.11
33 14 13 13-0726	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,068.67	105.08
33 14 13 13-0727	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,126.93	117.75
33 14 13 13-0728	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,311.98	121.54
33 14 13 13-0729	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,419.33	134.21
33 14 13 13-0730	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,561.60	143.07
33 14 13 13-0731	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,762.82	130.42
33 14 13 13-0732	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,759.16	142.39
33 14 13 13-0733	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,906.63	150.77
33 14 13 13-0734	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,057.60	157.94
33 14 13 13-0735	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,122.51	145.98
33 14 13 13-0736	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,140.45	157.94
33 14 13 13-0737	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,315.41	166.32
33 14 13 13-0738	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,670.60	173.50
33 14 13 13-0739	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,676.67	181.88
33 14 13 13-0740	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,034.22	184.27
33 14 13 13-0741	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,283.81	192.64
33 14 13 13-0742	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,988.51	199.83
33 14 13 13-0743	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,210.57	208.20
33 14 13 13-0744	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,898.54	221.36
33 14 13 13-0745	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,629.84	221.36
33 14 13 13-0746	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,826.50	228.54
33 14 13 13-0747	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,594.04	236.91
33 14 13 13-0748	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,307.55	244.09
33 14 13 13-0749	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,625.29	257.25
33 14 13 13-0750	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,085.66	276.40
33 14 13 13-0751	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,766.34	283.58
33 14 13 13-0752	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,027.71	290.76
33 14 13 13-0753	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,359.33	297.94
33 14 13 13-0754	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,665.84	306.31
33 14 13 13-0755	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,821.12	319.47
33 14 13 13-0756	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,220.10	337.42
33 14 13 13-0757	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,944.42	368.53
33 14 13 13-0758	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,472.79	405.63
33 14 13 13-0759	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,565.27	414.01
33 14 13 13-0760	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,118.79	421.18
33 14 13 13-0761	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,421.36	429.56
33 14 13 13-0762	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,484.36	442.72
33 14 13 13-0763	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,400.29	460.67
33 14 13 13-0764	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,190.84	491.78
33 14 13 13-0765	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,972.21	552.80
33 14 13 13-0766	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,640.11	527.68
33 14 13 13-0767	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,703.13	537.25
33 14 13 13-0768	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,824.65	543.23
33 14 13 13-0769	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,005.47	551.60
33 14 13 13-0770	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,973.69	564.76
33 14 13 13-0771	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	8,317.71	582.71
33 14 13 13-0772	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,245.70	613.82
33 14 13 13-0773	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,574.38	676.04
33 14 13 13-0774	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,911.14	737.07
33 14 13 13-0775	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,649.51	615.02
33 14 13 13-0776	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,088.12	623.40
33 14 13 13-0777	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,722.13	630.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0778	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,358.52	638.96
33 14 13 13-0779	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,261.95	652.12
33 14 13 13-0780	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,236.26	867.50
33 14 13 13-0781	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,169.24	701.17
33 14 13 13-0782	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,146.43	762.20
33 14 13 13-0783	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,735.97	823.22
33 14 13 13-0784	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,601.98	867.50
33 14 13 13-0785	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,018.01	691.61
33 14 13 13-0786	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,455.15	698.78
33 14 13 13-0787	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,230.95	707.16
33 14 13 13-0788	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,778.96	720.32
33 14 13 13-0789	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,329.13	738.27
33 14 13 13-0790	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,389.22	769.38
33 14 13 13-0791	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	17,497.45	830.40
33 14 13 13-0792	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	19,390.82	891.42
33 14 13 13-0793	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	21,907.32	969.19
33 14 13 13-0794	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	25,253.85	969.19
33 14 13 13-0795	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,795.72	745.44
33 14 13 13-0796	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,375.16	757.42
33 14 13 13-0797	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,313.07	776.55
33 14 13 13-0798	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,840.87	807.66
33 14 13 13-0799	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,933.91	868.69
33 14 13 13-0800	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,527.15	929.71
33 14 13 13-0801	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,070.22	973.98
33 14 13 13-0802	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,516.75	1,007.49
33 14 13 13-0803	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	40,603.45	1,026.63
33 14 13 13-0804	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,588.53	805.28
33 14 13 13-0805	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,191.52	818.44
33 14 13 13-0806	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,048.01	837.58
33 14 13 13-0807	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,917.63	867.50
33 14 13 13-0808	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,839.31	929.71
33 14 13 13-0809	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	37,042.03	990.74
33 14 13 13-0810	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	39,776.48	1,033.82
33 14 13 13-0811	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	31,959.94	1,068.51
33 14 13 13-0812	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	40,110.24	1,087.65
33 14 13 13-0813	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	53,479.24	1,117.57

33 14 13 13-0814 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0632)*

33 14 13 13-0815	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	673.13	76.21
33 14 13 13-0816	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	741.86	76.21
33 14 13 13-0817	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	871.64	79.76
33 14 13 13-0818	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	960.24	101.11
33 14 13 13-0819	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,072.59	105.08
33 14 13 13-0820	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,313.47	117.75
33 14 13 13-0821	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,730.22	121.54
33 14 13 13-0822	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,592.13	134.21
33 14 13 13-0823	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,791.34	143.07
33 14 13 13-0824	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,546.30	130.42
33 14 13 13-0825	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,650.63	142.39
33 14 13 13-0826	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,966.97	150.77
33 14 13 13-0827	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,239.69	157.94
33 14 13 13-0828	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,110.21	145.98
33 14 13 13-0829	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,528.72	157.94
33 14 13 13-0830	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,180.83	166.32
33 14 13 13-0831	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,182.58	173.50
33 14 13 13-0832	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,854.83	181.88
33 14 13 13-0833	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,589.39	184.27
33 14 13 13-0834	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,280.79	192.64
33 14 13 13-0835	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,971.22	199.83
33 14 13 13-0836	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,478.00	208.20
33 14 13 13-0837	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,281.83	221.36
33 14 13 13-0838	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,770.79	221.36
33 14 13 13-0839	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,273.67	228.54
33 14 13 13-0840	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,268.99	236.91
33 14 13 13-0841	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,467.51	244.09
33 14 13 13-0842	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,022.84	257.25
33 14 13 13-0843	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,579.43	276.40
33 14 13 13-0844	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,769.21	283.58
33 14 13 13-0845	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,305.49	290.76
33 14 13 13-0846	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,823.64	297.94
33 14 13 13-0847	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,385.42	306.31
33 14 13 13-0848	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,468.06	319.47
33 14 13 13-0849	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,560.71	337.42
33 14 13 13-0850	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,741.64	368.53
33 14 13 13-0851	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,950.85	405.63
33 14 13 13-0852	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,125.81	414.01
33 14 13 13-0853	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,962.08	421.18
33 14 13 13-0854	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,790.90	429.56
33 14 13 13-0855	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,879.42	442.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0856	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,981.90	460.67
33 14 13 13-0857	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,611.43	491.78
33 14 13 13-0858	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,903.33	552.80
33 14 13 13-0859	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,626.74	527.68
33 14 13 13-0860	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,750.64	536.05
33 14 13 13-0861	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,916.79	543.23
33 14 13 13-0862	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,445.17	551.60
33 14 13 13-0863	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	13,293.08	564.76
33 14 13 13-0864	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,819.19	582.71
33 14 13 13-0865	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,623.47	613.82
33 14 13 13-0866	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	18,263.84	676.04
33 14 13 13-0867	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	16,053.29	737.07
33 14 13 13-0868	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	20,403.24	615.02
33 14 13 13-0869	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	22,948.26	623.40
33 14 13 13-0870	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,312.73	630.57
33 14 13 13-0871	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	25,679.59	638.96
33 14 13 13-0872	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	27,615.87	652.12
33 14 13 13-0873	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,695.68	670.06
33 14 13 13-0874	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,429.81	701.17
33 14 13 13-0875	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,483.05	762.20
33 14 13 13-0876	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	32,960.14	823.22
33 14 13 13-0877	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	35,751.54	867.50
33 14 13 13-0878	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,498.55	707.16
33 14 13 13-0879	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	41,063.71	720.32
33 14 13 13-0880	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	42,617.28	738.27
33 14 13 13-0881	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	45,619.37	769.38
33 14 13 13-0882	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	48,679.42	830.40
33 14 13 13-0883	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	54,030.69	891.42
33 14 13 13-0884	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,598.09	935.70
33 14 13 13-0885	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,484.32	969.19
33 14 13 13-0886	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	63,764.54	868.69
33 14 13 13-0887	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	65,312.33	929.71
33 14 13 13-0888	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,788.48	973.98
33 14 13 13-0889	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	79,927.11	1,007.49
33 14 13 13-0890	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	94,453.22	1,026.63
33 14 13 13-0891	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,823.63	929.71
33 14 13 13-0892	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	71,222.42	990.74
33 14 13 13-0893	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	75,932.25	1,033.82
33 14 13 13-0894	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	86,681.54	1,068.51
33 14 13 13-0895	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	113,686.33	1,087.65
33 14 13 13-0896	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	124,899.30	1,117.57

33 14 13 13-0897 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0632)*

33 14 13 13-0898	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,199.58	117.75
33 14 13 13-0899	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,493.95	134.21
33 14 13 13-0900	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,151.88	142.39
33 14 13 13-0901	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,478.19	157.94
33 14 13 13-0902	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,283.60	184.27
33 14 13 13-0903	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,001.06	221.36
33 14 13 13-0904	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,717.25	283.58
33 14 13 13-0905	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,334.81	405.63
33 14 13 13-0906	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,385.28	527.68
33 14 13 13-0907	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	13,493.33	615.02

33 14 13 13-0908 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0632)*

33 14 13 13-0909	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	665.96	90.92
33 14 13 13-0910	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	835.21	98.93
33 14 13 13-0911	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,049.32	100.03
33 14 13 13-0912	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,108.82	124.00
33 14 13 13-0913	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,300.23	134.21
33 14 13 13-0914	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,431.39	167.13
33 14 13 13-0915	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,380.11	146.87
33 14 13 13-0916	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,625.15	179.79
33 14 13 13-0917	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,604.89	192.45
33 14 13 13-0918	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,625.53	153.16
33 14 13 13-0919	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,818.69	184.27
33 14 13 13-0920	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,166.54	196.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0921	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,347.54	210.59
33 14 13 13-0922	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,097.06	166.32
33 14 13 13-0923	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,425.72	197.43
33 14 13 13-0924	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,634.15	209.39
33 14 13 13-0925	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,078.27	223.75
33 14 13 13-0926	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,520.36	236.91
33 14 13 13-0927	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,647.52	216.58
33 14 13 13-0928	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,333.11	228.54
33 14 13 13-0929	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,435.57	244.09
33 14 13 13-0930	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,681.29	256.06
33 14 13 13-0931	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,190.31	276.40
33 14 13 13-0932	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,082.09	245.29
33 14 13 13-0933	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,677.35	256.06
33 14 13 13-0934	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,651.64	271.61
33 14 13 13-0935	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,325.45	284.78
33 14 13 13-0936	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,696.49	303.92
33 14 13 13-0937	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,028.95	331.45
33 14 13 13-0938	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,087.30	289.56
33 14 13 13-0939	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,499.96	301.52
33 14 13 13-0940	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,851.80	315.89
33 14 13 13-0941	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,533.44	329.05
33 14 13 13-0942	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,008.55	348.20
33 14 13 13-0943	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,645.37	375.71
33 14 13 13-0944	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,107.73	421.18
33 14 13 13-0945	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,911.28	363.75
33 14 13 13-0946	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,327.85	374.52
33 14 13 13-0947	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,610.97	390.07
33 14 13 13-0948	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,286.73	403.23
33 14 13 13-0949	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,450.15	422.38
33 14 13 13-0950	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,730.50	449.90
33 14 13 13-0951	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,192.85	494.18
33 14 13 13-0952	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,227.46	568.36
33 14 13 13-0953	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,210.76	454.69
33 14 13 13-0954	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,494.16	466.65
33 14 13 13-0955	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,975.23	481.01
33 14 13 13-0956	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,389.84	494.18
33 14 13 13-0957	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,616.09	513.31
33 14 13 13-0958	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	14,121.36	540.84
33 14 13 13-0959	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,864.37	586.31
33 14 13 13-0960	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,830.24	659.30
33 14 13 13-0961	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,814.11	750.23
33 14 13 13-0962	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,976.46	604.25
33 14 13 13-0963	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,351.86	618.61
33 14 13 13-0964	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,721.30	631.77
33 14 13 13-0965	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,155.69	650.92
33 14 13 13-0966	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,651.13	679.63
33 14 13 13-0967	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,221.50	723.91
33 14 13 13-0968	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,934.07	796.90
33 14 13 13-0969	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,318.36	889.03
33 14 13 13-0970	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,558.58	1,026.63
33 14 13 13-0971	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,652.61	654.51
33 14 13 13-0972	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,024.09	668.87
33 14 13 13-0973	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,344.44	682.03
33 14 13 13-0974	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,723.85	702.37
33 14 13 13-0975	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,166.27	729.89
33 14 13 13-0976	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,683.62	774.16
33 14 13 13-0977	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,347.10	848.35
33 14 13 13-0978	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	30,535.70	939.28
33 14 13 13-0979	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,299.00	1,076.89
33 14 13 13-0980	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,426.94	1,128.34
33 14 13 13-0981	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,922.78	711.94
33 14 13 13-0982	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,669.39	731.09
33 14 13 13-0983	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,098.07	759.80
33 14 13 13-0984	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,690.02	804.08
33 14 13 13-0985	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	38,759.96	878.26
33 14 13 13-0986	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,044.26	969.19
33 14 13 13-0987	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,922.50	1,106.80
33 14 13 13-0988	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	65,462.88	1,157.06
33 14 13 13-0989	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	70,194.54	1,186.97
33 14 13 13-0990	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,690.20	829.20
33 14 13 13-0991	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,006.78	848.35
33 14 13 13-0992	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,429.58	875.87
33 14 13 13-0993	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,880.14	920.15
33 14 13 13-0994	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	50,472.94	994.33
33 14 13 13-0995	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	51,518.21	1,085.26
33 14 13 13-0996	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	54,456.56	1,222.87
33 14 13 13-0997	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	66,929.79	1,274.32
33 14 13 13-0998	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	86,358.99	1,304.23
33 14 13 13-0999	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	91,943.55	1,420.30

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1000		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0632)*		
33 14 13 13-1001	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	477.49	49.47
33 14 13 13-1002	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	669.27	62.00
33 14 13 13-1003	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	736.24	65.84
33 14 13 13-1004	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	968.94	74.70
33 14 13 13-1005	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,005.47	87.36
33 14 13 13-1006	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,188.22	77.77
33 14 13 13-1007	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,241.51	89.74
33 14 13 13-1008	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,290.79	98.12
33 14 13 13-1009	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,374.93	86.15
33 14 13 13-1010	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,520.52	98.12
33 14 13 13-1011	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,544.29	105.30
33 14 13 13-1012	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,612.78	113.67
33 14 13 13-1013	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,388.59	111.28
33 14 13 13-1014	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,400.58	118.46
33 14 13 13-1015	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,084.21	126.83
33 14 13 13-1016	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,125.63	134.02
33 14 13 13-1017	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,864.15	129.23
33 14 13 13-1018	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,775.99	137.61
33 14 13 13-1019	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,602.97	144.78
33 14 13 13-1020	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,569.77	151.96
33 14 13 13-1021	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,907.67	165.12
33 14 13 13-1022	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,107.58	167.52
33 14 13 13-1023	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,507.92	175.89
33 14 13 13-1024	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,347.11	183.07
33 14 13 13-1025	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,007.04	196.23
33 14 13 13-1026	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,498.83	215.38
33 14 13 13-1027	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,137.26	229.74
33 14 13 13-1028	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,168.45	236.91
33 14 13 13-1029	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,779.85	245.29
33 14 13 13-1030	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,774.12	258.45
33 14 13 13-1031	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,676.31	276.40
33 14 13 13-1032	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,353.49	307.51
33 14 13 13-1033	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,207.85	306.31
33 14 13 13-1034	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,282.64	319.47
33 14 13 13-1035	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,373.32	337.42
33 14 13 13-1036	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,282.74	368.53
33 14 13 13-1037	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,092.50	429.56
33 14 13 13-1038	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,543.17	380.50
33 14 13 13-1039	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,945.44	411.61
33 14 13 13-1040	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,563.30	473.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1041	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,073.39	534.85
33 14 13 13-1042	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,585.83	507.34
33 14 13 13-1043	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,675.19	568.36
33 14 13 13-1044	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,463.71	612.63
33 14 13 13-1045	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,697.42	434.34
33 14 13 13-1046	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,579.34	465.45
33 14 13 13-1047	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,611.52	526.48
33 14 13 13-1048	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	19,330.66	587.50
33 14 13 13-1049	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,759.99	631.77
33 14 13 13-1050	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	16,491.01	665.28
33 14 13 13-1051	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,583.66	464.26
33 14 13 13-1052	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,809.74	495.37
33 14 13 13-1053	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,642.15	556.39
33 14 13 13-1054	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,263.13	618.61
33 14 13 13-1055	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	26,698.05	661.68
33 14 13 13-1056	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	23,058.08	695.19
33 14 13 13-1057	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,372.56	714.33

33 14 13 13-1058 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0632)*

33 14 13 13-1059	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	427.28	104.46
33 14 13 13-1060	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	515.58	122.81
33 14 13 13-1061	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	758.36	153.20
33 14 13 13-1062	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,021.27	174.73
33 14 13 13-1063	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,351.19	263.24
33 14 13 13-1064	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,711.45	287.17
33 14 13 13-1065	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,947.39	315.89
33 14 13 13-1066	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,375.61	350.58
33 14 13 13-1067	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,785.72	394.86
33 14 13 13-1068	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,364.05	451.09
33 14 13 13-1069	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,322.35	526.48
33 14 13 13-1070	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,898.56	631.77
33 14 13 13-1071	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,989.93	789.72
33 14 13 13-1072	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	18,754.80	947.66
33 14 13 13-1073	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	22,344.75	1,052.95

33 14 13 13-1074 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0632)*

33 14 13 13-1075	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	429.25	104.46
33 14 13 13-1076	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	535.22	122.81
33 14 13 13-1077	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	809.42	153.20
33 14 13 13-1078	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,072.32	174.73
33 14 13 13-1079	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,643.76	263.24
33 14 13 13-1080	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,778.21	287.17
33 14 13 13-1081	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,373.49	315.89
33 14 13 13-1082	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,868.47	350.58
33 14 13 13-1083	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,416.04	394.86
33 14 13 13-1084	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,216.26	451.09
33 14 13 13-1085	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,535.86	526.48
33 14 13 13-1086	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,575.47	631.77
33 14 13 13-1087	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	14,032.60	789.72
33 14 13 13-1088	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,886.36	947.66
33 14 13 13-1089	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	25,135.03	1,052.95

33 14 13 13-1090 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0632)*

33 14 13 13-1091	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	580.26	158.77
33 14 13 13-1092	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	771.41	183.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1093	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,064.89	230.43
33 14 13 13-1094	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,405.26	262.09
33 14 13 13-1095	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,067.04	394.86
33 14 13 13-1096	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,474.88	430.76
33 14 13 13-1097	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,250.97	473.83
33 14 13 13-1098	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,692.04	526.48
33 14 13 13-1099	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,859.95	592.29
33 14 13 13-1100	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,638.10	677.24
33 14 13 13-1101	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,830.12	789.72
33 14 13 13-1102	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,792.40	947.66
33 14 13 13-1103	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,697.64	1,184.57
33 14 13 13-1104	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	20,039.76	1,353.29
33 14 13 13-1105	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	24,923.43	1,579.44

33 14 13 13-1106 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0632)*

33 14 13 13-1107	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	603.83	158.77
33 14 13 13-1108	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	741.96	183.59
33 14 13 13-1109	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,098.28	230.43
33 14 13 13-1110	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,495.58	262.09
33 14 13 13-1111	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,941.37	394.86
33 14 13 13-1112	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,357.06	430.76
33 14 13 13-1113	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,999.63	473.83
33 14 13 13-1114	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,558.51	526.48
33 14 13 13-1115	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,255.17	592.29
33 14 13 13-1116	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,956.73	677.24
33 14 13 13-1117	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	6,205.69	789.72
33 14 13 13-1118	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	10,468.41	947.66
33 14 13 13-1119	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	13,615.69	1,184.57
33 14 13 13-1120	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	17,755.72	1,352.09
33 14 13 13-1121	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	26,445.22	1,579.44

33 14 13 13-1122 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1123 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1122)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-1124	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	38.74	10.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*16.04*	
		For Cement Mortar Lining (CML), Add	*2.29*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*12.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.72*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.89*	
		For >1,000, Deduct	*-1.94*	
		For Class 51, Add	*3.32*	
		For Class 52, Add	*7.16*	
		For Class 53, Add	*12.88*	
		For Class 54, Add	*18.36*	
		For Class 55, Add	*21.12*	
		For Class 56, Add	*23.84*	
33 14 13 13-1125	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	42.50	11.52
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.61*	
		For Cement Mortar Lining (CML), Add	*2.52*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.89*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.95*	
		For >1,000, Deduct	*-2.13*	
		For Class 51, Add	*3.64*	
		For Class 52, Add	*7.86*	
		For Class 53, Add	*14.13*	
		For Class 54, Add	*20.14*	
		For Class 55, Add	*23.18*	
		For Class 56, Add	*26.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1126	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	53.36	12.66
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*24.06*	
		For Cement Mortar Lining (CML), Add	*3.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*18.56*	
		For Fusion Bonded Epoxy Lining (206N), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*16.33*	
		For >1,000, Deduct	*-2.67*	
		For Class 51, Add	*4.92*	
		For Class 52, Add	*10.62*	
		For Class 53, Add	*19.13*	
		For Class 54, Add	*27.29*	
		For Class 55, Add	*31.38*	
		For Class 56, Add	*35.40*	
33 14 13 13-1127	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	75.41	17.83
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*29.09*	
		For Cement Mortar Lining (CML), Add	*4.85*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.64*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*23.03*	
		For >1,000, Deduct	*-3.77*	
		For Class 51, Add	*6.95*	
		For Class 52, Add	*14.98*	
		For Class 53, Add	*27.00*	
		For Class 54, Add	*38.51*	
		For Class 55, Add	*44.28*	
		For Class 56, Add	*49.95*	
33 14 13 13-1128	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	87.72	19.75
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.91*	
		For Cement Mortar Lining (CML), Add	*5.78*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.12*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.34*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*27.46*	
		For >1,000, Deduct	*-4.39*	
		For Class 51, Add	*8.25*	
		For Class 52, Add	*17.81*	
		For Class 53, Add	*32.10*	
		For Class 54, Add	*45.80*	
		For Class 55, Add	*52.66*	
		For Class 56, Add	*59.39*	
33 14 13 13-1129	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	107.32	22.25
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*32.42*	
		For Cement Mortar Lining (CML), Add	*7.37*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*25.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.53*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*35.00*	
		For >1,000, Deduct	*-5.37*	
		For Class 51, Add	*10.46*	
		For Class 52, Add	*22.59*	
		For Class 53, Add	*40.75*	
		For Class 54, Add	*58.16*	
		For Class 55, Add	*66.84*	
		For Class 56, Add	*75.36*	
33 14 13 13-1130	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	127.37	25.37
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*36.48*	
		For Cement Mortar Lining (CML), Add	*8.90*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*27.58*	
		For Fusion Bonded Epoxy Lining (206N), Add	*16.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.67*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*42.26*	
		For >1,000, Deduct	*-6.37*	
		For Class 51, Add	*12.61*	
		For Class 52, Add	*27.22*	
		For Class 53, Add	*49.12*	
		For Class 54, Add	*70.11*	
		For Class 55, Add	*80.56*	
		For Class 56, Add	*90.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1131	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	148.20	29.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.37*	
		For Cement Mortar Lining (CML), Add	*10.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*32.03*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*49.08*	
		For >1,000, Deduct	*-7.41*	
		For Class 51, Add	*14.64*	
		For Class 52, Add	*31.61*	
		For Class 53, Add	*57.06*	
		For Class 54, Add	*81.44*	
		For Class 55, Add	*93.58*	
		For Class 56, Add	*105.51*	
33 14 13 13-1132	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	170.74	35.53
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.42*	
		For Cement Mortar Lining (CML), Add	*11.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*32.73*	
		For Fusion Bonded Epoxy Lining (206N), Add	*21.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*55.52*	
		For >1,000, Deduct	*-8.54*	
		For Class 51, Add	*16.61*	
		For Class 52, Add	*35.84*	
		For Class 53, Add	*64.66*	
		For Class 54, Add	*92.28*	
		For Class 55, Add	*106.05*	
		For Class 56, Add	*119.58*	
33 14 13 13-1133	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	216.08	44.39
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*46.10*	
		For Cement Mortar Lining (CML), Add	*14.87*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.15*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*70.64*	
		For >1,000, Deduct	*-10.80*	
		For Class 51, Add	*21.11*	
		For Class 52, Add	*45.57*	
		For Class 53, Add	*82.23*	
		For Class 54, Add	*117.35*	
		For Class 55, Add	*134.86*	
		For Class 56, Add	*152.06*	
33 14 13 13-1134	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	256.90	47.38
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*57.38*	
		For Cement Mortar Lining (CML), Add	*18.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.88*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-12.85*	
		For Class 51, Add	*26.13*	
		For Class 52, Add	*56.42*	
		For Class 53, Add	*101.89*	
		For Class 54, Add	*145.45*	
		For Class 55, Add	*167.10*	
		For Class 56, Add	*188.36*	
33 14 13 13-1135	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	320.01	50.38
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*75.54*	
		For Cement Mortar Lining (CML), Add	*24.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.28*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-16.00*	
		For Class 51, Add	*34.17*	
		For Class 52, Add	*73.82*	
		For Class 53, Add	*133.45*	
		For Class 54, Add	*190.57*	
		For Class 55, Add	*218.84*	
		For Class 56, Add	*246.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1136	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	391.48	53.37
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*96.32*	
		For Cement Mortar Lining (CML), Add	*31.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.30*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.57*	
		For Class 51, Add	*43.36*	
		For Class 52, Add	*93.71*	
		For Class 53, Add	*169.54*	
		For Class 54, Add	*242.17*	
		For Class 55, Add	*278.01*	
		For Class 56, Add	*313.19*	
33 14 13 13-1137	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	472.66	56.24
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*120.08*	
		For Cement Mortar Lining (CML), Add	*38.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.05*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-23.63*	
		For Class 51, Add	*53.86*	
		For Class 52, Add	*116.44*	
		For Class 53, Add	*210.78*	
		For Class 54, Add	*301.13*	
		For Class 55, Add	*345.62*	
		For Class 56, Add	*389.29*	
33 14 13 13-1138	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	601.41	59.23
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*158.62*	
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-30.07*	
		For Class 51, Add	*70.86*	
		For Class 52, Add	*153.24*	
		For Class 53, Add	*277.57*	
		For Class 54, Add	*396.63*	
		For Class 55, Add	*455.11*	
		For Class 56, Add	*512.52*	

33 14 13 13-1139 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1122)*

33 14 13 13-1140	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	299.41	40.77
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	
33 14 13 13-1141	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	433.70	60.14
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1142	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	583.38	71.41
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1143	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	881.13	78.74
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1144	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,141.22	92.37
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1145	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,298.41	103.62
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1146	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,597.67	118.46
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1147	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,055.75	165.84
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	
33 14 13 13-1148	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,554.05	209.04
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1149	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,686.29	261.32
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	

33 14 13 13-1150 Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1122)*

33 14 13 13-1151	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	245.37	40.77
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	
33 14 13 13-1152	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	361.04	60.14
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1153	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	505.21	71.41
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1154	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	773.21	78.74
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1155	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	1,003.70	92.37
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1156	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,439.68	103.62
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1157	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,148.02	118.46
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1158	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,456.14	165.84
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	
33 14 13 13-1159	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,458.86	209.04
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1160	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,291.39	261.32
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	
33 14 13 13-1161		**Push-On Joint Ductile Iron Tee** *(33 14 13 13-1122)*		
33 14 13 13-1162	EA	4" Tee, Push-On Joint Ductile Iron	458.58	60.14
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	
33 14 13 13-1163	EA	6" Tee, Push-On Joint Ductile Iron	636.72	88.37
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1164	EA	8" Tee, Push-On Joint Ductile Iron	875.19	107.11
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1165	EA	10" Tee, Push-On Joint Ductile Iron	1,301.04	119.66
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1166	EA	12" Tee, Push-On Joint Ductile Iron	1,623.77	137.96
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1167	EA	14" Tee, Push-On Joint Ductile Iron	2,637.11	165.84
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1168	EA	16" Tee, Push-On Joint Ductile Iron	3,824.28	207.36
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1169	EA	18" Tee, Push-On Joint Ductile Iron	4,800.49	276.64
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	
33 14 13 13-1170	EA	20" Tee, Push-On Joint Ductile Iron	5,652.50	337.54
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1171	EA	24" Tee, Push-On Joint Ductile Iron	7,411.22	421.90
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

33 14 13 13-1172 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1122)*

33 14 13 13-1173	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	465.70	141.42
		For Cement Mortar Lining (CML), Add	*25.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1174	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	570.04	175.10
		For Cement Mortar Lining (CML), Add	*30.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1175	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	747.60	204.22
		For Cement Mortar Lining (CML), Add	*43.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*78.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1176	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	1,020.13	296.15
		For Cement Mortar Lining (CML), Add	*57.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*102.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*42.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1177	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,236.61	338.50
		For Cement Mortar Lining (CML), Add	*72.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1178	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,428.45	364.46
		For Cement Mortar Lining (CML), Add	*87.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*157.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1179	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,703.04	394.86
		For Cement Mortar Lining (CML), Add	*110.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1180	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	2,013.17	473.83
		For Cement Mortar Lining (CML), Add	*129.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1181	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,340.56	526.48
		For Cement Mortar Lining (CML), Add	*154.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*277.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1182	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,939.47	607.48
		For Cement Mortar Lining (CML), Add	*201.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*363.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*151.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1183	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,728.14	728.93
		For Cement Mortar Lining (CML), Add	*362.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*652.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1184	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,550.95	911.17
		For Cement Mortar Lining (CML), Add	*517.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*930.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1185	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	8,290.28	1,052.95
		For Cement Mortar Lining (CML), Add	*669.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,205.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*502.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1186	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,580.03	1,353.77
		For Cement Mortar Lining (CML), Add	*852.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,535.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*639.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1187	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,860.85	1,579.79
		For Cement Mortar Lining (CML), Add	*1,046.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,884.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*785.03*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1188 Push-On Joint Ductile Iron Pipe And Fitting Restraints *(33 14 13 13-1122)*

Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-1189	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	59.16	22.02
33 14 13 13-1190	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	77.14	28.73
33 14 13 13-1191	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	100.22	29.28
33 14 13 13-1192	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	119.23	31.10
33 14 13 13-1193	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	142.29	34.55
33 14 13 13-1194	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	180.57	38.86
33 14 13 13-1195	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	213.31	44.41
33 14 13 13-1196	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	240.81	48.13
33 14 13 13-1197	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	280.49	57.75
33 14 13 13-1198	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	339.00	59.97
33 14 13 13-1199	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	437.01	66.63
33 14 13 13-1200	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	573.49	72.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1201	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	710.38	78.97
33 14 13 13-1202	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	839.13	88.85
33 14 13 13-1203	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,165.47	96.34

33 14 13 13-1204 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series) *(33 14 13 13-1122)*

33 14 13 13-1205	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	254.87	80.77
33 14 13 13-1206	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	335.92	98.59
33 14 13 13-1207	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	432.23	120.26
33 14 13 13-1208	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	649.93	146.70
33 14 13 13-1209	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	806.02	178.88
33 14 13 13-1210	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,385.80	218.25
33 14 13 13-1211	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,582.82	266.35
33 14 13 13-1212	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,797.78	324.86
33 14 13 13-1213	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,441.91	396.41
33 14 13 13-1214	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,113.62	483.52
33 14 13 13-1215	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,363.91	590.02
33 14 13 13-1216	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,605.79	719.72
33 14 13 13-1217	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,798.25	878.14
33 14 13 13-1218	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,847.99	1,071.27

33 14 13 13-1219 Ductile Iron Pipe Repair *(33 14 13 13-0001)*

See CSI section 33 14 13 13-0002 for mechanical joint fittings.

33 14 13 13-1220 Ductile Iron Pipe Repair *(33 14 13 13-1219)*

Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.

33 14 13 13-1221	EA	30" Diameter Mechanical Ductile Iron Push Joint	4,445.24	
33 14 13 13-1222	EA	36" Diameter Mechanical Ductile Iron Push Joint	5,680.49	
33 14 13 13-1223	EA	42" Diameter Mechanical Ductile Iron Push Joint	7,295.71	
33 14 13 13-1224	EA	48" Diameter Mechanical Ductile Iron Push Joint	9,188.43	
33 14 13 13-1225	EA	54" Diameter Mechanical Ductile Iron Push Joint	13,427.17	

33 14 13 13-1226 WEKO Seals *(33 14 13 13-1219)*

Note: Internal joint seal.

33 14 13 13-1227	EA	16" WEKO Internal Joint Seal	2,643.04	227.76
		For Extra Wide Seals, Add	*87.26*	
33 14 13 13-1228	EA	18" WEKO Internal Joint Seal	2,816.73	240.50
		For Extra Wide Seals, Add	*88.23*	
33 14 13 13-1229	EA	20" WEKO Internal Joint Seal	2,990.21	253.24
		For Extra Wide Seals, Add	*89.19*	
33 14 13 13-1230	EA	24" WEKO Internal Joint Seal	3,165.71	273.50
		For Extra Wide Seals, Add	*90.72*	
33 14 13 13-1231	EA	30" WEKO Internal Joint Seal	3,262.95	293.76
		For Extra Wide Seals, Add	*92.26*	
33 14 13 13-1232	EA	36" WEKO Internal Joint Seal	3,418.71	319.08
		For Extra Wide Seals, Add	*94.17*	
33 14 13 13-1233	EA	42" WEKO Internal Joint Seal	3,640.87	349.48
		For Extra Wide Seals, Add	*96.48*	
33 14 13 13-1234	EA	48" WEKO Internal Joint Seal	3,933.62	374.80
		For Extra Wide Seals, Add	*98.39*	
33 14 13 13-1235	EA	54" WEKO Internal Joint Seal	4,077.82	395.05
		For Extra Wide Seals, Add	*99.93*	
33 14 13 13-1236	EA	60" WEKO Internal Joint Seal	4,245.20	425.45
		For Extra Wide Seals, Add	*102.23*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

Note: Includes detectable tracer wire.

33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.61	0.92
		For >1,000, Deduct	*-0.13*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0004	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.88	0.99
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0005	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.36	1.08
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0006	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.88	1.19
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 14 13 23-0007	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.99	1.34
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.25*	
33 14 13 23-0008	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.42	1.52
		For >1,000, Deduct	*-0.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0009	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.83	1.69
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.54*	
33 14 13 23-0010	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	11.09	2.09
		For >1,000, Deduct	*-0.55*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.88*	
33 14 13 23-0011	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	19.44	2.65
		For >1,000, Deduct	*-0.97*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.92*	
33 14 13 23-0012	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	30.90	3.67
		For >1,000, Deduct	*-1.55*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.26*	
33 14 13 23-0013	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	46.05	4.91
		For >1,000, Deduct	*-2.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*5.06*	
33 14 13 23-0014	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	64.10	6.61
		For >1,000, Deduct	*-3.21*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*7.13*	

33 14 13 23-0015 Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows *(33 14 13 23-0001)*

33 14 13 23-0016	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	27.91	11.02
33 14 13 23-0017	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	35.27	13.78
33 14 13 23-0018	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	44.41	17.22
33 14 13 23-0019	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.33	19.05
33 14 13 23-0020	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.83	21.35
33 14 13 23-0021	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	84.96	24.22
33 14 13 23-0022	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	95.22	27.16
33 14 13 23-0023	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	131.88	33.35
33 14 13 23-0024	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	189.54	42.37
33 14 13 23-0025	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	306.07	55.63
33 14 13 23-0026	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	376.77	74.42
33 14 13 23-0027	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	498.17	100.17

33 14 13 23-0028 Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows *(33 14 13 23-0001)*

33 14 13 23-0029	EA	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	28.41	11.02
33 14 13 23-0030	EA	1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	35.63	13.78
33 14 13 23-0031	EA	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	44.63	17.22
33 14 13 23-0032	EA	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	59.77	19.05
33 14 13 23-0033	EA	2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	72.44	21.35
33 14 13 23-0034	EA	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	87.44	24.22
33 14 13 23-0035	EA	3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	94.17	27.16
33 14 13 23-0036	EA	4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	129.62	33.35
33 14 13 23-0037	EA	6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	184.99	42.37
33 14 13 23-0038	EA	8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	297.39	55.63
33 14 13 23-0039	EA	10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	340.81	74.42
33 14 13 23-0040	EA	12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	448.41	100.17

33 14 13 23-0041 Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0001)*

33 14 13 23-0042	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	41.82	16.53
33 14 13 23-0043	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	52.79	20.78
33 14 13 23-0044	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	66.18	25.94
33 14 13 23-0045	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	91.43	28.70
33 14 13 23-0046	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	104.03	31.91
33 14 13 23-0047	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	121.04	36.40
33 14 13 23-0048	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	145.61	40.63
33 14 13 23-0049	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	191.13	50.08
33 14 13 23-0050	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	315.73	63.67
33 14 13 23-0051	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	472.47	83.44
33 14 13 23-0052	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	561.08	117.95
33 14 13 23-0053	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	702.43	158.73

33 14 13 23-0054 Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0001)*

33 14 13 23-0055	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	18.68	7.35
33 14 13 23-0056	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	25.22	9.88
33 14 13 23-0057	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	33.67	12.97
33 14 13 23-0058	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	46.76	14.35
33 14 13 23-0059	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	51.57	15.96
33 14 13 23-0060	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	58.65	18.14
33 14 13 23-0061	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	67.34	20.31
33 14 13 23-0062	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	92.27	24.99
33 14 13 23-0063	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	131.70	31.83
33 14 13 23-0064	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	223.15	41.72
33 14 13 23-0065	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	266.43	59.04
33 14 13 23-0066	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	339.84	79.36

33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings *(33 14 13 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0068		**Schedule 40 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0067)*		
33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.87	0.92
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.09*	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.37	0.99
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.14*	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.33	1.19
		For >1,000, Deduct	*-0.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	5.16	1.34
		For >1,000, Deduct	*-0.26*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.68	1.52
		For >1,000, Deduct	*-0.33*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.44*	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	8.00	1.69
		For >1,000, Deduct	*-0.40*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.56*	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.63	2.09
		For >1,000, Deduct	*-0.53*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.81*	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	16.09	2.65
		For >1,000, Deduct	*-0.80*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.42*	
33 14 13 23-0077		**Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0078	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	28.09	11.02
33 14 13 23-0079	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	35.37	13.78
33 14 13 23-0080	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.19	19.05
33 14 13 23-0081	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	55.55	21.35
33 14 13 23-0082	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.68	24.22
33 14 13 23-0083	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	75.21	27.16
33 14 13 23-0084	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	98.39	33.35
33 14 13 23-0085	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	153.68	42.37
33 14 13 23-0086		**Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0067)*		
33 14 13 23-0087	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	28.05	11.02
33 14 13 23-0088	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	35.33	13.78
33 14 13 23-0089	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	49.21	19.05
33 14 13 23-0090	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	55.38	21.35
33 14 13 23-0091	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	66.21	24.22
33 14 13 23-0092	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	74.66	27.16
33 14 13 23-0093	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	97.28	33.35
33 14 13 23-0094	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	150.16	42.37
33 14 13 23-0095		**Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0067)*		
33 14 13 23-0096	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	42.01	16.53
33 14 13 23-0097	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	52.93	20.78
33 14 13 23-0098	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	73.58	28.70
33 14 13 23-0099	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	82.73	31.91
33 14 13 23-0100	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	100.28	36.40
33 14 13 23-0101	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	115.06	40.63
33 14 13 23-0102	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	143.08	50.08
33 14 13 23-0103	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	233.90	63.67
33 14 13 23-0104		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0067)*		
33 14 13 23-0105	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	18.77	7.35
33 14 13 23-0106	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	25.29	9.88
33 14 13 23-0107	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	36.68	14.35
33 14 13 23-0108	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	41.35	15.96
33 14 13 23-0109	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	48.51	18.14
33 14 13 23-0110	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	55.58	20.31
33 14 13 23-0111	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	68.85	24.99
33 14 13 23-0112	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	101.25	31.83
33 14 13 23-0113		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0067)*		
33 14 13 23-0114	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	56.19	22.04
33 14 13 23-0115	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Cross	70.49	27.66
33 14 13 23-0116	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	98.09	38.23
33 14 13 23-0117	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Cross	110.30	42.59
33 14 13 23-0118	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	133.65	48.45
33 14 13 23-0119	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Cross	153.34	54.22
33 14 13 23-0120	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Cross	190.67	66.70
33 14 13 23-0121	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Cross	311.43	84.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0122		Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings *(33 14 13 23)*		
33 14 13 23-0123		Schedule 80 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0122)*		
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.64	0.99
		For >1,000, Deduct	*-0.18*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.18*	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.88	1.19
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.29*	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	6.09	1.34
		For >1,000, Deduct	*-0.30*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.41*	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.89	1.52
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.62*	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.70	1.69
		For >1,000, Deduct	*-0.49*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.82*	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	13.22	2.09
		For >1,000, Deduct	*-0.66*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.20*	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.86	2.65
		For >1,000, Deduct	*-1.09*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.28*	
33 14 13 23-0131		Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(33 14 13 23-0122)*		
33 14 13 23-0132	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	36.81	13.78
33 14 13 23-0133	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	49.19	19.05
33 14 13 23-0134	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	56.99	21.35
33 14 13 23-0135	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	69.73	24.22
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	78.04	27.16
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	99.07	33.35
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	150.46	42.37
33 14 13 23-0139		Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(33 14 13 23-0122)*		
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	42.69	13.78
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	54.86	19.05
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	62.44	21.35
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	79.94	24.22
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	91.34	27.16
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	125.81	33.35
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	148.66	42.37
33 14 13 23-0147		Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes *(33 14 13 23-0122)*		
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	55.94	20.78
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	82.72	28.70
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	93.63	31.91
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	106.05	36.40
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	120.58	40.63
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	147.06	50.08
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	233.76	63.67
33 14 13 23-0155		Schedule 80 Polyvinyl Chloride (PVC) Couplings *(33 14 13 23-0122)*		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	27.44	9.88
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	40.37	14.35
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	44.83	15.96
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	57.43	18.14
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	64.58	20.31
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	79.79	24.99
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	116.53	31.83
33 14 13 23-0163		Schedule 80 Polyvinyl Chloride (PVC) Crosses *(33 14 13 23-0122)*		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	74.49	27.66
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	110.22	38.23
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	124.77	42.59
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	141.31	48.45
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	160.67	54.22
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	195.96	66.70
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	311.24	84.85
33 14 13 23-0171		AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0172		AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0171)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0173	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.82	4.13
33 14 13 23-0174	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	17.25	5.01
33 14 13 23-0175	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	23.75	5.63
33 14 13 23-0176	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	31.36	6.27
33 14 13 23-0177	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	40.68	7.01
33 14 13 23-0178		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0179	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	13.09	4.13
33 14 13 23-0180	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.89	5.01
33 14 13 23-0181	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	28.20	5.63
33 14 13 23-0182	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	38.27	6.27
33 14 13 23-0183	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	50.33	7.01
33 14 13 23-0184		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0185	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	14.35	4.13
33 14 13 23-0186	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	22.51	5.01
33 14 13 23-0187	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	32.64	5.63
33 14 13 23-0188	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	45.02	6.27
33 14 13 23-0189	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	59.97	7.01
33 14 13 23-0190		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0191	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	63.88	10.52
33 14 13 23-0192	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	77.93	12.54
33 14 13 23-0193	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	104.73	15.04
33 14 13 23-0194	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	151.77	17.55
33 14 13 23-0195	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	209.96	20.05
33 14 13 23-0196	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	266.50	21.30
33 14 13 23-0197	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	337.97	22.93
33 14 13 23-0198		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0199	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	47.16	7.89
33 14 13 23-0200	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	59.28	8.77
33 14 13 23-0201	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	73.54	10.52
33 14 13 23-0202	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	90.47	12.54
33 14 13 23-0203	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	124.07	15.04
33 14 13 23-0204	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	179.51	17.55
33 14 13 23-0205	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	247.11	20.05
33 14 13 23-0206	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	328.28	21.30
33 14 13 23-0207	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	418.13	22.93
33 14 13 23-0208		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0209	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	54.59	7.89
33 14 13 23-0210	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	69.60	8.77
33 14 13 23-0211	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	86.36	10.52
33 14 13 23-0212	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	107.10	12.54
33 14 13 23-0213	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	147.94	15.04
33 14 13 23-0214	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	215.37	17.55
33 14 13 23-0215	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	299.46	20.05
33 14 13 23-0216	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	390.29	21.30
33 14 13 23-0217	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	499.05	22.93
33 14 13 23-0218		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0219	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	67.30	7.89
33 14 13 23-0220	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	84.69	8.77
33 14 13 23-0221	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	105.78	10.52
33 14 13 23-0222	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	130.56	12.54
33 14 13 23-0223	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	181.77	15.04
33 14 13 23-0224	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	268.46	17.55
33 14 13 23-0225	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	381.09	20.05
33 14 13 23-0226	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	510.00	21.30
33 14 13 23-0227	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	659.70	22.93
33 14 13 23-0228		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0229	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	76.84	7.89
33 14 13 23-0230	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	97.11	8.77
33 14 13 23-0231	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	121.45	10.52
33 14 13 23-0232	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	150.06	12.54
33 14 13 23-0233	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	209.84	15.04
33 14 13 23-0234	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	311.64	17.55
33 14 13 23-0235	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	444.16	20.05
33 14 13 23-0236	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	596.45	21.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0237		**AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0238	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	86.15	7.89
33 14 13 23-0239	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	109.19	8.77
33 14 13 23-0240	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	136.67	10.52
33 14 13 23-0241	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	169.05	12.54
33 14 13 23-0242	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	237.14	15.04
33 14 13 23-0243	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	353.65	17.55
33 14 13 23-0244	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	505.54	20.05
33 14 13 23-0245		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings** *(33 14 13 23)*		
		Note: Includes rubber gaskets.		
33 14 13 23-0246		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows** *(33 14 13 23-0245)*		
33 14 13 23-0247	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	218.91	13.78
		For DR 25, Deduct	*-11.48*	
33 14 13 23-0248	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	448.70	15.50
		For DR 25, Deduct	*-25.06*	
33 14 13 23-0249	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	674.23	17.22
		For DR 25, Deduct	*-38.39*	
33 14 13 23-0250	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,030.02	27.57
		For DR 25, Deduct	*-58.49*	
33 14 13 23-0251	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,340.19	45.94
		For DR 25, Deduct	*-74.90*	
33 14 13 23-0252	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,012.93	57.42
		For DR 25, Deduct	*-113.89*	
33 14 13 23-0253	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,402.18	68.91
		For DR 25, Deduct	*-135.86*	
33 14 13 23-0254	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,122.75	91.89
		For DR 25, Deduct	*-236.34*	
33 14 13 23-0255	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	5,075.21	114.86
		For DR 25, Deduct	*-290.73*	
33 14 13 23-0256	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,425.75	155.06
		For DR 25, Deduct	*-486.94*	
33 14 13 23-0257		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows** *(33 14 13 23-0245)*		
33 14 13 23-0258	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	193.92	13.78
		For DR 25, Deduct	*-9.98*	
33 14 13 23-0259	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	335.38	15.50
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0260	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	425.10	17.22
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0261	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	601.58	27.57
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0262	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	804.06	45.94
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0263	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,546.59	57.42
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0264	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,960.38	68.91
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0265	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,384.10	91.89
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0266	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,203.20	114.86
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0267	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,931.73	155.06
		For DR 25, Deduct	*-337.30*	
33 14 13 23-0268		**AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows** *(33 14 13 23-0245)*		
33 14 13 23-0269	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	190.89	13.78
		For DR 25, Deduct	*-9.80*	
33 14 13 23-0270	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	335.38	15.50
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0271	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	425.11	17.22
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0272	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	601.59	27.57
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0273	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	804.07	45.94
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0274	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,541.97	55.13
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0275	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,960.36	68.91
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0276	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	3,384.10	91.89
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0277	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	4,203.20	114.86
		For DR 25, Deduct	*-238.41*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0278	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	5,931.73	155.06
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0279 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows *(33 14 13 23-0245)*

33 14 13 23-0280	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	168.51	13.78
		For DR 25, Deduct	*-8.46*	
33 14 13 23-0281	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	335.38	15.50
		For DR 25, Deduct	*-18.26*	
33 14 13 23-0282	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	425.11	17.22
		For DR 25, Deduct	*-23.44*	
33 14 13 23-0283	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	601.59	27.57
		For DR 25, Deduct	*-32.79*	
33 14 13 23-0284	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	804.07	45.94
		For DR 25, Deduct	*-42.73*	
33 14 13 23-0285	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,541.97	55.13
		For DR 25, Deduct	*-85.90*	
33 14 13 23-0286	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,960.36	68.91
		For DR 25, Deduct	*-109.35*	
33 14 13 23-0287	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	3,384.10	91.89
		For DR 25, Deduct	*-192.02*	
33 14 13 23-0288	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	4,203.20	114.86
		For DR 25, Deduct	*-238.41*	
33 14 13 23-0289	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	5,931.73	155.06
		For DR 25, Deduct	*-337.30*	

33 14 13 23-0290 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0245)*

33 14 13 23-0291	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	260.20	15.50
		For DR 25, Deduct	*-13.75*	
33 14 13 23-0292	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	503.02	17.22
		For DR 25, Deduct	*-28.11*	
33 14 13 23-0293	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	702.12	19.52
		For DR 25, Deduct	*-39.79*	
33 14 13 23-0294	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,448.42	34.45
		For DR 25, Deduct	*-82.77*	
33 14 13 23-0295	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,767.26	68.91
		For DR 25, Deduct	*-97.77*	
33 14 13 23-0296	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,192.59	86.14
		For DR 25, Deduct	*-181.22*	
33 14 13 23-0297	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,954.42	103.37
		For DR 25, Deduct	*-224.86*	
33 14 13 23-0298	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	4,989.37	137.83
		For DR 25, Deduct	*-282.82*	
33 14 13 23-0299	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	5,991.46	172.28
		For DR 25, Deduct	*-338.81*	
33 14 13 23-0300	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	8,222.76	117.15
		For DR 25, Deduct	*-479.31*	

33 14 13 23-0301 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes *(33 14 13 23-0245)*

33 14 13 23-0302	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	500.68	22.38
		For DR 25, Deduct	*-27.35*	
33 14 13 23-0303	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	681.26	24.11
		For DR 25, Deduct	*-37.98*	
33 14 13 23-0304	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	698.31	24.97
		For DR 25, Deduct	*-38.90*	
33 14 13 23-0305	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	906.63	34.45
		For DR 25, Deduct	*-50.26*	
33 14 13 23-0306	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,228.15	35.32
		For DR 25, Deduct	*-69.45*	
33 14 13 23-0307	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,313.87	36.18
		For DR 25, Deduct	*-74.49*	
33 14 13 23-0308	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,392.61	52.83
		For DR 25, Deduct	*-77.22*	
33 14 13 23-0309	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,598.74	53.70
		For DR 25, Deduct	*-89.48*	
33 14 13 23-0310	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,696.14	54.55
		For DR 25, Deduct	*-95.22*	
33 14 13 23-0311	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye)	1,728.01	59.73
		For DR 25, Deduct	*-96.51*	
33 14 13 23-0312	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,624.96	62.02
		For DR 25, Deduct	*-150.05*	
33 14 13 23-0313	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,730.57	62.88
		For DR 25, Deduct	*-156.29*	
33 14 13 23-0314	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,836.45	63.74
		For DR 25, Deduct	*-162.54*	
33 14 13 23-0315	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,950.35	68.91
		For DR 25, Deduct	*-168.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0316	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,072.68	78.10
		For DR 25, Deduct	*-174.99*	
33 14 13 23-0317	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,275.88	75.80
		For DR 25, Deduct	*-187.46*	
33 14 13 23-0318	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,379.75	75.80
		For DR 25, Deduct	*-193.69*	
33 14 13 23-0319	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,485.38	76.67
		For DR 25, Deduct	*-199.92*	
33 14 13 23-0320	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,591.02	77.52
		For DR 25, Deduct	*-206.16*	
33 14 13 23-0321	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,723.58	91.89
		For DR 25, Deduct	*-212.39*	
33 14 13 23-0322	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,836.67	96.48
		For DR 25, Deduct	*-218.62*	
33 14 13 23-0323	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,048.33	98.77
		For DR 25, Deduct	*-231.05*	
33 14 13 23-0324	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,154.69	99.64
		For DR 25, Deduct	*-237.32*	
33 14 13 23-0325	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,260.31	100.49
		For DR 25, Deduct	*-243.56*	
33 14 13 23-0326	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,374.53	105.67
		For DR 25, Deduct	*-249.79*	
33 14 13 23-0327	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,496.76	114.86
		For DR 25, Deduct	*-256.02*	
33 14 13 23-0328	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,609.13	119.45
		For DR 25, Deduct	*-262.21*	
33 14 13 23-0329	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,751.93	126.34
		For DR 25, Deduct	*-269.96*	
33 14 13 23-0330	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,134.62	121.74
		For DR 25, Deduct	*-293.47*	
33 14 13 23-0331	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,313.75	122.61
		For DR 25, Deduct	*-304.11*	
33 14 13 23-0332	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,384.24	123.47
		For DR 25, Deduct	*-308.24*	
33 14 13 23-0333	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,463.45	128.64
		For DR 25, Deduct	*-312.37*	
33 14 13 23-0334	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,550.63	137.83
		For DR 25, Deduct	*-316.50*	
33 14 13 23-0335	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,671.36	142.42
		For DR 25, Deduct	*-323.19*	
33 14 13 23-0336	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,796.71	149.31
		For DR 25, Deduct	*-329.89*	
33 14 13 23-0337	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,894.08	160.80
		For DR 25, Deduct	*-334.35*	
33 14 13 23-0338	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,045.17	161.94
		For DR 25, Deduct	*-343.28*	
33 14 13 23-0339	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,121.34	162.81
		For DR 25, Deduct	*-347.74*	
33 14 13 23-0340	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,197.48	163.66
		For DR 25, Deduct	*-352.21*	
33 14 13 23-0341	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,510.42	168.84
		For DR 25, Deduct	*-370.37*	
33 14 13 23-0342	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,831.39	178.03
		For DR 25, Deduct	*-388.52*	
33 14 13 23-0343	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,143.19	182.62
		For DR 25, Deduct	*-406.68*	
33 14 13 23-0344	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,459.61	189.51
		For DR 25, Deduct	*-424.84*	
33 14 13 23-0345	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,785.20	201.00
		For DR 25, Deduct	*-442.99*	
33 14 13 23-0346	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	8,110.78	212.48
		For DR 25, Deduct	*-461.15*	

33 14 13 23-0347 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross *(33 14 13 23-0245)*

33 14 13 23-0348	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	360.72	27.55
		For DR 25, Deduct	*-18.34*	
33 14 13 23-0349	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	648.53	30.99
		For DR 25, Deduct	*-35.19*	
33 14 13 23-0350	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	898.15	34.44
		For DR 25, Deduct	*-49.76*	
33 14 13 23-0351	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	1,833.91	55.13
		For DR 25, Deduct	*-103.42*	
33 14 13 23-0352	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	2,175.04	68.91
		For DR 25, Deduct	*-122.23*	
33 14 13 23-0353	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	3,959.36	91.89
		For DR 25, Deduct	*-226.54*	
33 14 13 23-0354	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	4,913.54	114.86
		For DR 25, Deduct	*-281.04*	
33 14 13 23-0355	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	6,260.58	183.76
		For DR 25, Deduct	*-353.58*	
33 14 13 23-0356	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	7,518.15	229.71
		For DR 25, Deduct	*-423.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0357	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	10,605.18	310.11
		For DR 25, Deduct	*-599.10*	

33 14 13 23-0358 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross *(33 14 13 23-0245)*

33 14 13 23-0359	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	628.88	29.27
		For DR 25, Deduct	*-34.22*	
33 14 13 23-0360	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	854.28	30.99
		For DR 25, Deduct	*-47.54*	
33 14 13 23-0361	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	876.08	32.72
		For DR 25, Deduct	*-48.64*	
33 14 13 23-0362	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,314.80	41.35
		For DR 25, Deduct	*-73.93*	
33 14 13 23-0363	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,533.21	43.07
		For DR 25, Deduct	*-86.82*	
33 14 13 23-0364	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,684.34	44.79
		For DR 25, Deduct	*-95.69*	
33 14 13 23-0365	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,728.66	59.73
		For DR 25, Deduct	*-96.55*	
33 14 13 23-0366	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,987.01	61.45
		For DR 25, Deduct	*-111.85*	
33 14 13 23-0367	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,110.07	63.17
		For DR 25, Deduct	*-119.02*	
33 14 13 23-0368	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,157.55	73.51
		For DR 25, Deduct	*-120.63*	
33 14 13 23-0369	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,263.95	68.91
		For DR 25, Deduct	*-187.57*	
33 14 13 23-0370	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,396.87	70.64
		For DR 25, Deduct	*-195.34*	
33 14 13 23-0371	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,531.23	72.36
		For DR 25, Deduct	*-203.19*	
33 14 13 23-0372	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,682.28	82.70
		For DR 25, Deduct	*-211.01*	
33 14 13 23-0373	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,848.39	101.08
		For DR 25, Deduct	*-218.78*	
33 14 13 23-0374	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,070.11	82.70
		For DR 25, Deduct	*-234.28*	
33 14 13 23-0375	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,204.79	84.42
		For DR 25, Deduct	*-242.16*	
33 14 13 23-0376	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,338.02	86.14
		For DR 25, Deduct	*-249.94*	
33 14 13 23-0377	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,488.94	96.48
		For DR 25, Deduct	*-257.76*	
33 14 13 23-0378	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,562.59	114.86
		For DR 25, Deduct	*-259.97*	
33 14 13 23-0379	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,803.12	124.05
		For DR 25, Deduct	*-273.30*	
33 14 13 23-0380	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,025.46	105.67
		For DR 25, Deduct	*-288.85*	
33 14 13 23-0381	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,159.83	107.39
		For DR 25, Deduct	*-296.70*	
33 14 13 23-0382	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,293.27	109.11
		For DR 25, Deduct	*-304.50*	
33 14 13 23-0383	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,442.23	119.45
		For DR 25, Deduct	*-312.20*	
33 14 13 23-0384	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,609.92	137.83
		For DR 25, Deduct	*-320.06*	
33 14 13 23-0385	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,757.69	147.02
		For DR 25, Deduct	*-327.82*	
33 14 13 23-0386	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,946.27	160.80
		For DR 25, Deduct	*-337.48*	
33 14 13 23-0387	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,371.80	128.64
		For DR 25, Deduct	*-366.87*	
33 14 13 23-0388	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,596.63	130.36
		For DR 25, Deduct	*-380.15*	
33 14 13 23-0389	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,686.70	132.08
		For DR 25, Deduct	*-385.35*	
33 14 13 23-0390	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,793.06	142.42
		For DR 25, Deduct	*-390.49*	
33 14 13 23-0391	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,915.51	160.80
		For DR 25, Deduct	*-395.64*	
33 14 13 23-0392	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,072.35	169.98
		For DR 25, Deduct	*-403.94*	
33 14 13 23-0393	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,241.16	183.76
		For DR 25, Deduct	*-412.42*	
33 14 13 23-0394	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,379.84	206.73
		For DR 25, Deduct	*-417.98*	
33 14 13 23-0395	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,447.98	168.84
		For DR 25, Deduct	*-426.62*	
33 14 13 23-0396	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,586.22	170.56
		For DR 25, Deduct	*-434.71*	
33 14 13 23-0397	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,683.06	172.28
		For DR 25, Deduct	*-440.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0398	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,081.56	182.62
		For DR 25, Deduct	*-462.98*	
33 14 13 23-0399	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,496.29	201.00
		For DR 25, Deduct	*-485.66*	
33 14 13 23-0400	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,892.56	210.19
		For DR 25, Deduct	*-508.33*	
33 14 13 23-0401	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,299.64	223.97
		For DR 25, Deduct	*-531.10*	
33 14 13 23-0402	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,722.67	246.93
		For DR 25, Deduct	*-553.73*	
33 14 13 23-0403	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	10,147.31	269.90
		For DR 25, Deduct	*-576.45*	

33 14 13 23-0404 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0245)*

33 14 13 23-0405	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	130.61	13.78
		For DR 25, Deduct	*-6.18*	
33 14 13 23-0406	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	243.72	15.50
		For DR 25, Deduct	*-12.76*	
33 14 13 23-0407	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	293.39	17.22
		For DR 25, Deduct	*-15.54*	
33 14 13 23-0408	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	417.36	27.57
		For DR 25, Deduct	*-21.73*	
33 14 13 23-0409	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	664.09	34.45
		For DR 25, Deduct	*-35.71*	
33 14 13 23-0410	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,152.47	45.94
		For DR 25, Deduct	*-63.63*	
33 14 13 23-0411	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,365.17	57.42
		For DR 25, Deduct	*-75.02*	
33 14 13 23-0412	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,269.15	91.89
		For DR 25, Deduct	*-185.12*	
33 14 13 23-0413	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,664.71	114.86
		For DR 25, Deduct	*-206.10*	
33 14 13 23-0414	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	5,160.13	155.06
		For DR 25, Deduct	*-291.00*	

33 14 13 23-0415 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter *(33 14 13 23-0245)*

33 14 13 23-0416	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	161.99	13.78
		For DR 25, Deduct	*-8.07*	
33 14 13 23-0417	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	220.16	15.50
		For DR 25, Deduct	*-11.35*	
33 14 13 23-0418	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	320.21	17.22
		For DR 25, Deduct	*-17.15*	
33 14 13 23-0419	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	438.28	27.57
		For DR 25, Deduct	*-22.99*	
33 14 13 23-0420	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	702.32	45.94
		For DR 25, Deduct	*-36.63*	
33 14 13 23-0421	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	1,865.61	55.13
		For DR 25, Deduct	*-105.32*	
33 14 13 23-0422	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	2,525.52	68.91
		For DR 25, Deduct	*-143.26*	
33 14 13 23-0423	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,111.64	91.89
		For DR 25, Deduct	*-175.67*	
33 14 13 23-0424	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,717.46	114.86
		For DR 25, Deduct	*-209.27*	
33 14 13 23-0425	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	5,050.07	155.06
		For DR 25, Deduct	*-284.40*	

33 14 13 23-0426 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0427 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0426)*

33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.39	3.26
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.40*	
		For SDR 15.5, Add	*0.59*	
		For SDR 13.5, Add	*0.92*	
		For SDR 11, Add	*1.49*	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	12.48	4.13
		For SDR 26, Deduct	*-0.77*	
		For SDR 19, Add	*0.38*	
		For SDR 17, Add	*0.94*	
		For SDR 15.5, Add	*1.37*	
		For SDR 13.5, Add	*2.14*	
		For SDR 11, Add	*3.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	19.09	5.01
		For SDR 26, Deduct	*-1.66*	
		For SDR 19, Add	*0.82*	
		For SDR 17, Add	*2.02*	
		For SDR 15.5, Add	*2.95*	
		For SDR 13.5, Add	*4.61*	
		For SDR 11, Add	*7.41*	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.69	5.63
		For SDR 26, Deduct	*-2.82*	
		For SDR 19, Add	*1.39*	
		For SDR 17, Add	*3.42*	
		For SDR 15.5, Add	*5.01*	
		For SDR 13.5, Add	*7.83*	
		For SDR 11, Add	*12.60*	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	36.49	6.27
		For SDR 26, Deduct	*-4.39*	
		For SDR 19, Add	*2.16*	
		For SDR 17, Add	*5.32*	
		For SDR 15.5, Add	*7.79*	
		For SDR 13.5, Add	*12.16*	
		For SDR 11, Add	*19.58*	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	48.44	7.01
		For SDR 26, Deduct	*-6.33*	
		For SDR 19, Add	*3.11*	
		For SDR 17, Add	*7.67*	
		For SDR 15.5, Add	*11.24*	
		For SDR 13.5, Add	*17.54*	
		For SDR 11, Add	*28.23*	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	56.25	7.89
		For SDR 26, Deduct	*-7.44*	
		For SDR 19, Add	*3.65*	
		For SDR 17, Add	*9.02*	
		For SDR 15.5, Add	*13.21*	
		For SDR 13.5, Add	*20.62*	
		For SDR 11, Add	*33.18*	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	70.58	8.77
		For SDR 26, Deduct	*-9.72*	
		For SDR 19, Add	*4.77*	
		For SDR 17, Add	*11.78*	
		For SDR 15.5, Add	*17.26*	
		For SDR 13.5, Add	*26.93*	
		For SDR 11, Add	*43.35*	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	88.13	10.52
		For SDR 26, Deduct	*-12.28*	
		For SDR 19, Add	*6.03*	
		For SDR 17, Add	*14.89*	
		For SDR 15.5, Add	*21.81*	
		For SDR 13.5, Add	*34.04*	
		For SDR 11, Add	*54.79*	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	83.77	12.54
		For SDR 26, Deduct	*-10.76*	
		For SDR 19, Add	*5.28*	
		For SDR 17, Add	*13.05*	
		For SDR 15.5, Add	*19.10*	
		For SDR 13.5, Add	*29.82*	
		For SDR 11, Add	*48.00*	
33 14 13 23-0438	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	149.33	15.04
		For SDR 26, Deduct	*-21.86*	
		For SDR 19, Add	*10.73*	
		For SDR 17, Add	*26.50*	
		For SDR 15.5, Add	*38.81*	
		For SDR 13.5, Add	*60.57*	
		For SDR 11, Add	*97.50*	

33 14 13 23-0439 90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0440	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	65.88	17.22
		For SDR 26, Deduct	*-2.61*	
		For SDR 19, Add	*1.28*	
		For SDR 17, Add	*3.16*	
		For SDR 15.5, Add	*4.63*	
		For SDR 13.5, Add	*7.22*	
		For SDR 11, Add	*11.62*	
33 14 13 23-0441	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	74.34	19.14
		For SDR 26, Deduct	*-3.11*	
		For SDR 19, Add	*1.52*	
		For SDR 17, Add	*3.76*	
		For SDR 15.5, Add	*5.51*	
		For SDR 13.5, Add	*8.60*	
		For SDR 11, Add	*13.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0442	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	110.61	21.87
		For SDR 26, Deduct	*-8.26*	
		For SDR 19, Add	*4.05*	
		For SDR 17, Add	*10.01*	
		For SDR 15.5, Add	*14.66*	
		For SDR 13.5, Add	*22.88*	
		For SDR 11, Add	*36.83*	
33 14 13 23-0443	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	170.73	25.53
		For SDR 26, Deduct	*-17.26*	
		For SDR 19, Add	*8.48*	
		For SDR 17, Add	*20.92*	
		For SDR 15.5, Add	*30.64*	
		For SDR 13.5, Add	*47.83*	
		For SDR 11, Add	*76.98*	
33 14 13 23-0444	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	259.23	34.10
		For SDR 26, Deduct	*-28.81*	
		For SDR 19, Add	*14.15*	
		For SDR 17, Add	*34.93*	
		For SDR 15.5, Add	*51.15*	
		For SDR 13.5, Add	*79.83*	
		For SDR 11, Add	*128.49*	
33 14 13 23-0445	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	383.19	51.03
		For SDR 26, Deduct	*-42.19*	
		For SDR 19, Add	*20.72*	
		For SDR 17, Add	*51.14*	
		For SDR 15.5, Add	*74.90*	
		For SDR 13.5, Add	*116.90*	
		For SDR 11, Add	*188.16*	
33 14 13 23-0446	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	478.58	68.10
		For SDR 26, Deduct	*-50.29*	
		For SDR 19, Add	*24.69*	
		For SDR 17, Add	*60.97*	
		For SDR 15.5, Add	*89.28*	
		For SDR 13.5, Add	*139.36*	
		For SDR 11, Add	*224.31*	
33 14 13 23-0447	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	634.62	102.05
		For SDR 26, Deduct	*-60.23*	
		For SDR 19, Add	*29.57*	
		For SDR 17, Add	*73.01*	
		For SDR 15.5, Add	*106.92*	
		For SDR 13.5, Add	*166.89*	
		For SDR 11, Add	*268.61*	
33 14 13 23-0448	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	791.56	114.80
		For SDR 26, Deduct	*-81.96*	
		For SDR 19, Add	*40.24*	
		For SDR 17, Add	*99.35*	
		For SDR 15.5, Add	*145.50*	
		For SDR 13.5, Add	*227.10*	
		For SDR 11, Add	*365.54*	
33 14 13 23-0449	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,067.31	130.29
		For SDR 26, Deduct	*-123.25*	
		For SDR 19, Add	*60.52*	
		For SDR 17, Add	*149.41*	
		For SDR 15.5, Add	*218.80*	
		For SDR 13.5, Add	*341.52*	
		For SDR 11, Add	*549.70*	
33 14 13 23-0450	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,356.87	153.14
		For SDR 26, Deduct	*-164.54*	
		For SDR 19, Add	*80.79*	
		For SDR 17, Add	*199.46*	
		For SDR 15.5, Add	*292.10*	
		For SDR 13.5, Add	*455.93*	
		For SDR 11, Add	*733.85*	

33 14 13 23-0451 Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0426)*

33 14 13 23-0452	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	72.55	18.02
		For SDR 26, Deduct	*-3.41*	
		For SDR 19, Add	*1.67*	
		For SDR 17, Add	*4.13*	
		For SDR 15.5, Add	*6.05*	
		For SDR 13.5, Add	*9.44*	
		For SDR 11, Add	*15.20*	
33 14 13 23-0453	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	83.08	20.41
		For SDR 26, Deduct	*-4.01*	
		For SDR 19, Add	*1.97*	
		For SDR 17, Add	*4.86*	
		For SDR 15.5, Add	*7.12*	
		For SDR 13.5, Add	*11.11*	
		For SDR 11, Add	*17.89*	
33 14 13 23-0454	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	127.82	23.56
		For SDR 26, Deduct	*-10.48*	
		For SDR 19, Add	*5.15*	
		For SDR 17, Add	*12.71*	
		For SDR 15.5, Add	*18.61*	
		For SDR 13.5, Add	*29.05*	
		For SDR 11, Add	*46.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0455	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	228.58	27.84
		For SDR 26, Deduct	*-26.60*	
		For SDR 19, Add	*13.06*	
		For SDR 17, Add	*32.25*	
		For SDR 15.5, Add	*47.22*	
		For SDR 13.5, Add	*73.71*	
		For SDR 11, Add	*118.64*	
33 14 13 23-0456	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	313.66	40.87
		For SDR 26, Deduct	*-35.05*	
		For SDR 19, Add	*17.21*	
		For SDR 17, Add	*42.48*	
		For SDR 15.5, Add	*62.21*	
		For SDR 13.5, Add	*97.11*	
		For SDR 11, Add	*156.30*	
33 14 13 23-0457	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	444.78	61.31
		For SDR 26, Deduct	*-47.85*	
		For SDR 19, Add	*23.50*	
		For SDR 17, Add	*58.01*	
		For SDR 15.5, Add	*84.95*	
		For SDR 13.5, Add	*132.59*	
		For SDR 11, Add	*213.42*	
33 14 13 23-0458	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	536.73	76.58
		For SDR 26, Deduct	*-56.30*	
		For SDR 19, Add	*27.64*	
		For SDR 17, Add	*68.24*	
		For SDR 15.5, Add	*99.94*	
		For SDR 13.5, Add	*155.99*	
		For SDR 11, Add	*251.08*	
33 14 13 23-0459	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	709.28	114.80
		For SDR 26, Deduct	*-66.85*	
		For SDR 19, Add	*32.82*	
		For SDR 17, Add	*81.04*	
		For SDR 15.5, Add	*118.68*	
		For SDR 13.5, Add	*185.24*	
		For SDR 11, Add	*298.16*	
33 14 13 23-0460	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	907.91	133.74
		For SDR 26, Deduct	*-92.89*	
		For SDR 19, Add	*45.61*	
		For SDR 17, Add	*112.60*	
		For SDR 15.5, Add	*164.90*	
		For SDR 13.5, Add	*257.38*	
		For SDR 11, Add	*414.28*	
33 14 13 23-0461	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,260.47	157.97
		For SDR 26, Deduct	*-143.20*	
		For SDR 19, Add	*70.31*	
		For SDR 17, Add	*173.60*	
		For SDR 15.5, Add	*254.22*	
		For SDR 13.5, Add	*396.80*	
		For SDR 11, Add	*638.68*	
33 14 13 23-0462	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,629.76	191.49
		For SDR 26, Deduct	*-193.52*	
		For SDR 19, Add	*95.02*	
		For SDR 17, Add	*234.59*	
		For SDR 15.5, Add	*343.54*	
		For SDR 13.5, Add	*536.22*	
		For SDR 11, Add	*863.08*	

33 14 13 23-0463 AWWA C909 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23)*

Note: Includes hub on one end of pipe.

33 14 13 23-0464 AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe *(33 14 13 23-0463)*

33 14 13 23-0465	LF	6" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	19.89	5.01
33 14 13 23-0466	LF	8" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	28.20	5.63
33 14 13 23-0467	LF	10" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	38.27	6.27
33 14 13 23-0468	LF	12" AWWA C909, DR 18, PC 235 Oriented Polyvinyl Chloride (PVCO) Pipe	50.33	7.01

33 14 13 23-0469 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings *(33 14 13 23)*

33 14 13 23-0470 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe *(33 14 13 23-0469)*

33 14 13 23-0471	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.96	3.53
33 14 13 23-0472	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.91	3.80
33 14 13 23-0473	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	113.32	4.41
33 14 13 23-0474	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	154.35	5.65
33 14 13 23-0475	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	176.64	6.89

33 14 13 23-0476 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(33 14 13 23-0469)*

33 14 13 23-0477	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	747.55	51.28
33 14 13 23-0478	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,571.79	85.98
33 14 13 23-0479	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,732.52	93.84
33 14 13 23-0480	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,467.95	101.53
33 14 13 23-0481	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,756.39	109.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0482		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0469)*		
33 14 13 23-0483	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,047.87	51.28
33 14 13 23-0484	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,268.82	85.98
33 14 13 23-0485	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,714.33	93.84
33 14 13 23-0486	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,349.25	101.53
33 14 13 23-0487	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,791.07	109.22
33 14 13 23-0488		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0469)*		
33 14 13 23-0489	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,449.15	82.05
33 14 13 23-0490	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,136.64	122.61
33 14 13 23-0491	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,824.59	130.77
33 14 13 23-0492	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,871.39	138.46
33 14 13 23-0493	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,687.10	146.14
33 14 13 23-0494		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0469)*		
33 14 13 23-0495	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,424.18	77.94
33 14 13 23-0496	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,552.93	110.65
33 14 13 23-0497	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,771.58	116.49
33 14 13 23-0498	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,009.07	112.11
33 14 13 23-0499	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,230.42	118.01
33 14 13 23-0500	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,544.21	124.22
33 14 13 23-0501	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,943.07	112.78
33 14 13 23-0502	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,325.52	118.72
33 14 13 23-0503	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,812.85	124.96
33 14 13 23-0504	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,375.89	131.54
33 14 13 23-0505	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,003.16	113.09
33 14 13 23-0506	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,692.22	119.03
33 14 13 23-0507	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,234.94	125.30
33 14 13 23-0508	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,071.58	131.89
33 14 13 23-0509	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,948.36	138.84
33 14 13 23-0510		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0469)*		
33 14 13 23-0511	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,463.54	82.05
33 14 13 23-0512	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,468.35	122.61
33 14 13 23-0513	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,338.02	130.77
33 14 13 23-0514	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,814.97	138.46
33 14 13 23-0515	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,496.64	146.14
33 14 13 23-0516		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0469)*		
33 14 13 23-0517	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,274.57	77.94
33 14 13 23-0518	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,774.67	110.65
33 14 13 23-0519	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,055.25	116.49
33 14 13 23-0520	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,366.18	112.11
33 14 13 23-0521	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,496.72	118.01
33 14 13 23-0522	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,021.24	124.22
33 14 13 23-0523	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,211.54	112.78
33 14 13 23-0524	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,629.33	118.72
33 14 13 23-0525	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,825.11	131.54
33 14 13 23-0526	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,229.09	113.09
33 14 13 23-0527	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,202.25	119.03
33 14 13 23-0528	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,073.10	125.30
33 14 13 23-0529	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,745.66	131.89
33 14 13 23-0530	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,934.07	138.84
33 14 13 23-0531		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0532	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	678.79	51.28
33 14 13 23-0533	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	920.96	85.98
33 14 13 23-0534	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,275.01	93.84
33 14 13 23-0535	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,530.82	101.53
33 14 13 23-0536	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,769.55	109.22
33 14 13 23-0537		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0469)*		
33 14 13 23-0538	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	923.02	48.71
33 14 13 23-0539	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	678.82	46.27
33 14 13 23-0540	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	942.08	81.68
33 14 13 23-0541	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,821.82	77.60
33 14 13 23-0542	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,698.23	73.71
33 14 13 23-0543	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,333.62	70.03
33 14 13 23-0544	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	840.65	89.14
33 14 13 23-0545	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,443.63	84.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0546	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,059.29	80.45
33 14 13 23-0547	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,781.47	76.42
33 14 13 23-0548	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,632.40	96.45
33 14 13 23-0549	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,225.40	91.62
33 14 13 23-0550	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,642.43	87.04
33 14 13 23-0551	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,487.22	82.69
33 14 13 23-0552	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,305.49	78.56
33 14 13 23-0553	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,021.70	103.76
33 14 13 23-0554		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings *(33 14 13 23-0469)*		
33 14 13 23-0555	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	817.84	87.04
33 14 13 23-0556	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,438.48	82.69
33 14 13 23-0557	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,091.67	82.69
33 14 13 23-0558	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,784.22	78.56
33 14 13 23-0559	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,877.57	74.63
33 14 13 23-0560	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,790.00	70.90
33 14 13 23-0561	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,639.66	78.56
33 14 13 23-0562	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,986.00	74.63
33 14 13 23-0563	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,922.02	70.90
33 14 13 23-0564	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,124.94	67.36
33 14 13 23-0565	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,972.84	74.63
33 14 13 23-0566	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,290.53	70.90
33 14 13 23-0567	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,112.25	67.36
33 14 13 23-0568	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,013.08	63.99
33 14 13 23-0569	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,814.30	60.79
33 14 13 23-0570	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,535.88	98.58
33 14 13 23-0571		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges *(33 14 13 23-0469)*		
33 14 13 23-0572	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	900.59	51.28
33 14 13 23-0573	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,074.36	85.98
33 14 13 23-0574	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,024.70	93.84
33 14 13 23-0575	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,397.80	101.53
33 14 13 23-0576	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,203.06	109.22
33 14 13 23-0577	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0578	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0579	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	
33 14 13 23-0580	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0581	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0582	EA	Zinc Coated Flange Hardware Kit	179.88	
33 14 13 23-0583		AWWA C901, High-Density Polyethylene (HDPE) Tubing *(33 14 13 23)*		
33 14 13 23-0584	LF	3/4" AWWA C901, SDR 7, High-Density Polyethylene (HDPE) Tubing	3.36	1.30
		For Work In Restricted Working Space, Add	*0.78*	
33 14 13 23-0585	LF	1" AWWA C901, SDR 7, High-Density Polyethylene (HDPE) Tubing	3.75	1.12
		For Work In Restricted Working Space, Add	*0.84*	
33 14 13 23-0586	LF	1-1/2" AWWA C901, SDR 7, High-Density Polyethylene (HDPE) Tubing	4.80	1.12
		For Work In Restricted Working Space, Add	*0.84*	
33 14 13 23-0587	LF	2" AWWA C901, SDR 9, High-Density Polyethylene (HDPE) Tubing	6.21	1.51
		For Work In Restricted Working Space, Add	*1.13*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated, Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0053 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	128.06	31.04
		For <100, Add	*13.46*	
		For >1,000, Deduct	*-6.40*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	153.86	31.04
		For <100, Add	*14.75*	
		For >1,000, Deduct	*-7.69*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	152.77	33.86
		For <100, Add	*15.34*	
		For >1,000, Deduct	*-7.64*	
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	185.38	33.86
		For <100, Add	*16.97*	
		For >1,000, Deduct	*-9.27*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	185.63	35.48
		For <100, Add	*17.34*	
		For >1,000, Deduct	*-9.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	211.00	35.48
		For <100, Add	*18.61*	
		For >1,000, Deduct	*-10.55*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	225.39	39.21
		For <100, Add	*20.18*	
		For >1,000, Deduct	*-11.27*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	245.66	39.21
		For <100, Add	*21.19*	
		For >1,000, Deduct	*-12.28*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	239.25	41.39
		For <100, Add	*21.37*	
		For >1,000, Deduct	*-11.96*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	254.90	41.39
		For <100, Add	*22.15*	
		For >1,000, Deduct	*-12.75*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	297.09	46.56
		For <100, Add	*25.44*	
		For >1,000, Deduct	*-14.85*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	322.74	46.56
		For <100, Add	*26.72*	
		For >1,000, Deduct	*-16.14*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	257.37	61.39
		For <100, Add	*22.52*	
		For >1,000, Deduct	*-12.87*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	305.89	67.53
		For <100, Add	*25.96*	
		For >1,000, Deduct	*-15.29*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	340.12	70.61
		For <100, Add	*28.26*	
		For >1,000, Deduct	*-17.01*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	383.72	79.81
		For <100, Add	*31.85*	
		For >1,000, Deduct	*-19.19*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	401.11	79.81
		For <100, Add	*32.72*	
		For >1,000, Deduct	*-20.06*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	417.20	79.81
		For <100, Add	*33.52*	
		For >1,000, Deduct	*-20.86*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	435.75	79.81
		For <100, Add	*34.45*	
		For >1,000, Deduct	*-21.79*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	505.20	92.09
		For <100, Add	*39.73*	
		For >1,000, Deduct	*-25.26*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	562.59	92.09
		For <100, Add	*42.60*	
		For >1,000, Deduct	*-28.13*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	703.47	92.09
		For <100, Add	*49.64*	
		For >1,000, Deduct	*-35.17*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	628.53	107.43
		For <100, Add	*48.31*	
		For >1,000, Deduct	*-31.43*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	652.01	107.43
		For <100, Add	*49.48*	
		For >1,000, Deduct	*-32.60*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	873.48	107.43
		For <100, Add	*60.56*	
		For >1,000, Deduct	*-43.67*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	750.28	107.43
		For <100, Add	*54.40*	
		For >1,000, Deduct	*-37.51*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	879.46	128.93
		For <100, Add	*64.23*	
		For >1,000, Deduct	*-43.97*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,051.22	128.93
		For <100, Add	*72.82*	
		For >1,000, Deduct	*-52.56*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,008.32	128.93
		For <100, Add	*70.68*	
		For >1,000, Deduct	*-50.42*	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,548.73	144.27
		For <100, Add	*99.95*	
		For >1,000, Deduct	*-77.44*	
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	936.22	144.27
		For <100, Add	*69.32*	
		For >1,000, Deduct	*-46.81*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,776.20	162.69
		For <100, Add	*114.13*	
		For >1,000, Deduct	*-88.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0037	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,026.87	162.69
		For <100, Add	*76.67*	
		For >1,000, Deduct	*-51.34*	
33 14 13 36-0038	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,859.73	184.17
		For <100, Add	*121.93*	
		For >1,000, Deduct	*-92.99*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,055.40	184.17
		For <100, Add	*131.71*	
		For >1,000, Deduct	*-102.77*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,297.72	214.87
		For <100, Add	*148.65*	
		For >1,000, Deduct	*-114.89*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,602.02	214.87
		For <100, Add	*113.87*	
		For >1,000, Deduct	*-80.10*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,765.59	175.50
		For <100, Add	*140.93*	
		For >1,000, Deduct	*-88.28*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	3,336.72	175.50
		For <100, Add	*219.48*	
		For >1,000, Deduct	*-166.84*	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0045	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	163.96	31.10
		For 7" Length, Add	*10.41*	
33 14 13 36-0046	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	228.38	59.82
		For 7" Length, Add	*10.87*	
33 14 13 36-0047	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	303.79	78.97
		For 7" Length, Add	*14.43*	
33 14 13 36-0048	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	490.75	119.65
		For 7" Length, Add	*25.15*	
33 14 13 36-0049	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	648.27	150.75
		For 7" Length, Add	*34.92*	
33 14 13 36-0050	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	902.92	179.48
		For 7" Length, Add	*54.40*	
33 14 13 36-0051	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,062.80	224.95
		For 7" Length, Add	*61.41*	
33 14 13 36-0052	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,146.01	224.95
		For 10" Length, Add	*40.04*	
33 14 13 36-0053	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,208.06	257.25
		For 10" Length, Add	*41.72*	
33 14 13 36-0054	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,328.37	275.20
		For 10" Length, Add	*46.68*	
33 14 13 36-0055	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,449.73	311.10
		For 10" Length, Add	*51.09*	
33 14 13 36-0056	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,867.91	329.05
		For 10" Length, Add	*72.59*	
33 14 13 36-0057	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,267.72	358.96
		For 10" Length, Add	*92.99*	
33 14 13 36-0058	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,672.92	403.83
		For 10" Length, Add	*111.92*	
33 14 13 36-0059	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,099.58	454.69
		For 10" Length, Add	*132.13*	
33 14 13 36-0060	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,604.43	523.49
		For 10" Length, Add	*153.45*	
33 14 13 36-0061	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,983.72	598.27
		For 10" Length, Add	*167.23*	
33 14 13 36-0062	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,540.12	747.84
		For 10" Length, Add	*182.67*	
33 14 13 36-0063	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,203.74	909.37
		For 12" Length, Add	*170.45*	
33 14 13 36-0064	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	6,196.70	1,076.89
		For 12" Length, Add	*202.15*	

33 14 13 36-0065 Welded, Plain End, Cement Mortar Lined And Coated, Steel Piping *(33 14 13 36-0001)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

33 14 13 36-0066	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	77.56	23.34
33 14 13 36-0067	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	102.31	23.34
33 14 13 36-0068	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	103.71	31.04
33 14 13 36-0069	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	149.98	31.04
33 14 13 36-0070	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	176.63	31.04
33 14 13 36-0071	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	204.41	31.04
33 14 13 36-0072	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	179.38	33.86
33 14 13 36-0073	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	211.99	33.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0074	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	244.17	33.86
33 14 13 36-0075	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	216.52	35.48
33 14 13 36-0076	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	241.89	35.48
33 14 13 36-0077	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	316.30	35.48
33 14 13 36-0078	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	281.81	39.21
33 14 13 36-0079	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	330.36	39.21
33 14 13 36-0080	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	377.32	39.21
33 14 13 36-0081	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	295.97	41.39
33 14 13 36-0082	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	368.87	41.39
33 14 13 36-0083	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	421.89	41.39
33 14 13 36-0084	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	343.42	46.56
33 14 13 36-0085	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	416.18	46.56
33 14 13 36-0086	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	433.57	46.56
33 14 13 36-0087	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	378.08	49.00
33 14 13 36-0088	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	458.66	49.00
33 14 13 36-0089	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	458.66	49.00
33 14 13 36-0090	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	550.02	52.46
33 14 13 36-0091	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	607.42	52.46
33 14 13 36-0092	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	686.83	61.83
33 14 13 36-0093	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Plain End, Cement Mortar Lined And Coated, Steel Pipe	710.31	61.83

33 14 13 36-0094 Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Piping *(33 14 13 36-0001)*

Note: Pipe manufacture shall be in accordance with AWWA C200, ANSI/ASTM A 139, API 5 L, or API 5 LX

33 14 13 36-0095	LF	4" Diameter, Schedule 10 (0.12" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	78.23	23.34
33 14 13 36-0096	LF	4" Diameter, Schedule 40 (0.237" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	103.60	23.34
33 14 13 36-0097	LF	6" Diameter, Schedule 10 (0.134" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	104.79	31.04
33 14 13 36-0098	LF	6" Diameter, Schedule 40 (0.28" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	152.22	31.04
33 14 13 36-0099	LF	8" Diameter, Schedule 10 (0.148" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	152.86	31.04
33 14 13 36-0100	LF	8" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	179.30	31.04
33 14 13 36-0101	LF	8" Diameter, Schedule 40 (0.322" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	206.54	31.04
33 14 13 36-0102	LF	10" Diameter, Schedule 10 (0.165" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	179.66	33.86
33 14 13 36-0103	LF	10" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	214.95	33.86
33 14 13 36-0104	LF	10" Diameter, Schedule 40 (0.365" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	222.33	33.86
33 14 13 36-0105	LF	12" Diameter, Schedule 10 (0.18" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	219.82	35.48
33 14 13 36-0106	LF	12" Diameter, Schedule 20 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	245.82	35.48
33 14 13 36-0107	LF	12" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	316.68	35.48
33 14 13 36-0108	LF	14" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	265.69	39.21
33 14 13 36-0109	LF	14" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	336.23	39.21
33 14 13 36-0110	LF	14" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	377.79	39.21
33 14 13 36-0111	LF	14" Diameter, Schedule 40 (0.438" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	425.20	39.21
33 14 13 36-0112	LF	16" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	300.77	41.39
33 14 13 36-0113	LF	16" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	375.50	41.39
33 14 13 36-0114	LF	16" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	422.42	41.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0115	LF	16" Diameter, Schedule 40 (0.500" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	528.63	41.39
33 14 13 36-0116	LF	18" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	349.08	46.56
33 14 13 36-0117	LF	18" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	423.66	46.56
33 14 13 36-0118	LF	18" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	423.66	46.56
33 14 13 36-0119	LF	18" Diameter, Schedule 40 (0.562" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	576.64	46.56
33 14 13 36-0120	LF	20" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	384.38	49.00
33 14 13 36-0121	LF	20" Diameter, Schedule 20 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	466.98	49.00
33 14 13 36-0122	LF	20" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	486.00	49.00
33 14 13 36-0123	LF	20" Diameter, Schedule 40 (0.594" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	696.31	49.00
33 14 13 36-0124	LF	24" Diameter, Schedule 10 (0.25" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	560.24	52.46
33 14 13 36-0125	LF	24" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	619.07	52.46
33 14 13 36-0126	LF	24" Diameter, Schedule 40 (0.687" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	1,016.58	52.46
33 14 13 36-0127	LF	30" Diameter, Schedule 10 (0.312" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	699.73	61.83
33 14 13 36-0128	LF	30" Diameter, Standard Weight (0.375" Wall Thickness), Welded, Bell and Spigot, Cement Mortar Lined And Coated, Steel Pipe	723.79	61.83

33 14 13 36-0129 Plain End Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*

See CSI section 33 14 13 36-0344 for flanged end fittings.

33 14 13 36-0130 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0129)*

33 14 13 36-0131	EA	4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	407.68	224.72
33 14 13 36-0132	EA	6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	711.79	370.94
33 14 13 36-0133	EA	8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,066.52	521.40
33 14 13 36-0134	EA	10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,404.49	595.79
33 14 13 36-0135	EA	12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,910.13	779.60
33 14 13 36-0136	EA	14" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,384.51	921.45
33 14 13 36-0137	EA	16" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,979.02	1,076.01
33 14 13 36-0138	EA	18" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,558.36	1,199.93
33 14 13 36-0139	EA	20" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,570.29	1,345.38
33 14 13 36-0140	EA	24" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	5,444.07	1,390.26

33 14 13 36-0141 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0129)*

33 14 13 36-0142	EA	4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	392.59	224.72
33 14 13 36-0143	EA	6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	674.67	370.94
33 14 13 36-0144	EA	8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	997.63	521.40
33 14 13 36-0145	EA	10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,278.02	595.79
33 14 13 36-0146	EA	12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,726.74	779.60
33 14 13 36-0147	EA	14" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,136.30	921.45
33 14 13 36-0148	EA	16" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,639.26	1,076.01
33 14 13 36-0149	EA	18" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,121.08	1,199.93
33 14 13 36-0150	EA	20" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,927.58	1,345.38
33 14 13 36-0151	EA	24" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,604.11	1,390.26

33 14 13 36-0152 22.5 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0129)*

33 14 13 36-0153	EA	4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	387.37	224.72
33 14 13 36-0154	EA	6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	662.35	370.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0155	EA	8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	974.44	521.40
33 14 13 36-0156	EA	10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,238.48	595.79
33 14 13 36-0157	EA	12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,669.40	779.60
33 14 13 36-0158	EA	14" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,058.29	921.45
33 14 13 36-0159	EA	16" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,532.96	1,076.01
33 14 13 36-0160	EA	18" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,984.23	1,199.93
33 14 13 36-0161	EA	20" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,728.97	1,345.38
33 14 13 36-0162	EA	24" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,315.07	1,390.26
33 14 13 36-0163		**11.25 Degree Elbows, Standard Wall Thickness, Steel** *(33 14 13 36-0129)*		
33 14 13 36-0164	EA	4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	389.82	224.72
33 14 13 36-0165	EA	6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	668.38	370.94
33 14 13 36-0166	EA	8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	985.62	521.40
33 14 13 36-0167	EA	10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,259.01	595.79
33 14 13 36-0168	EA	12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,699.17	779.60
33 14 13 36-0169		**Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0129)*		
33 14 13 36-0170	EA	4"x4"x4" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	631.35	337.08
33 14 13 36-0171	EA	6"x6"x6" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,051.49	556.29
33 14 13 36-0172	EA	8"x8"x8" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,567.81	782.03
33 14 13 36-0173	EA	10"x10"x10" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	1,992.86	893.75
33 14 13 36-0174	EA	12"x12"x12" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	2,737.77	1,169.39
33 14 13 36-0175	EA	14"x14"x14" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	3,633.00	1,382.32
33 14 13 36-0176	EA	16"x16"x16" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	4,317.86	1,614.09
33 14 13 36-0177	EA	18"x18"x18" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	5,738.87	1,799.87
33 14 13 36-0178	EA	20"x20"x20" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	7,655.38	2,018.13
33 14 13 36-0179	EA	24"x24"x24" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	8,830.07	2,085.34
33 14 13 36-0180	EA	30"x30"x30" Tees, Steel, Standard Wall Thickness, Plain End, Class 150, Cement Mortar Lined And Coated	12,487.84	2,455.38
33 14 13 36-0181		**Concentric Reducers, Standard Wall Thickness, Steel** *(33 14 13 36-0129)*		
33 14 13 36-0182	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	613.08	370.94
33 14 13 36-0183	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	876.09	521.40
33 14 13 36-0184	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	860.63	521.40
33 14 13 36-0185	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,035.14	595.79
33 14 13 36-0186	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,584.27	779.60
33 14 13 36-0187	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,378.56	779.60
33 14 13 36-0188	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,371.54	779.60
33 14 13 36-0189	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,352.16	779.60
33 14 13 36-0190		**Reducing Tees, Standard Wall Thickness, Steel** *(33 14 13 36-0129)*		
33 14 13 36-0191	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,052.31	556.29
33 14 13 36-0192	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,569.39	782.03
33 14 13 36-0193	EA	10"x10"x 8" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	1,995.53	893.75
33 14 13 36-0194	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Plain Ends, Class 150, Cement Mortar Lined And Coated	2,741.81	1,169.39
33 14 13 36-0195		**Welded Neck Flanges, Steel, Class 150** *(33 14 13 36-0129)*		
33 14 13 36-0196	EA	4" Weld Neck Flange, Steel, Class 150	330.66	182.01
33 14 13 36-0197	EA	6" Weld Neck Flange, Steel, Class 150	502.62	276.02
33 14 13 36-0198	EA	8" Weld Neck Flange, Steel, Class 150	589.81	300.66
33 14 13 36-0199	EA	10" Weld Neck Flange, Steel, Class 150	768.56	376.97
33 14 13 36-0200	EA	12" Weld Neck Flange, Steel, Class 150	937.79	427.77
33 14 13 36-0201	EA	14" Weld Neck Flange, Steel, Class 150	1,225.60	517.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0202	EA	16" Weld Neck Flange, Steel, Class 150	1,604.46	601.18
33 14 13 36-0203	EA	18" Weld Neck Flange, Steel, Class 150	1,986.72	674.03
33 14 13 36-0204	EA	20" Weld Neck Flange, Steel, Class 150	2,519.00	855.53
33 14 13 36-0205	EA	24" Weld Neck Flange, Steel, Class 150	2,857.62	926.85
33 14 13 36-0206		**Welded Neck Flanges, Steel, Class 300** *(33 14 13 36-0129)*		
33 14 13 36-0207	EA	4" Weld Neck Flange, Steel, Class 300	371.08	182.01
33 14 13 36-0208	EA	6" Weld Neck Flange, Steel, Class 300	564.82	276.02
33 14 13 36-0209	EA	8" Weld Neck Flange, Steel, Class 300	687.22	300.66
33 14 13 36-0210	EA	10" Weld Neck Flange, Steel, Class 300	910.88	376.97
33 14 13 36-0211	EA	12" Weld Neck Flange, Steel, Class 300	1,145.31	427.77
33 14 13 36-0212	EA	14" Weld Neck Flange, Steel, Class 300	1,540.63	517.29
33 14 13 36-0213	EA	16" Weld Neck Flange, Steel, Class 300	2,096.65	601.18
33 14 13 36-0214	EA	18" Weld Neck Flange, Steel, Class 300	2,670.02	674.03
33 14 13 36-0215	EA	20" Weld Neck Flange, Steel, Class 300	3,384.44	855.53
33 14 13 36-0216	EA	24" Weld Neck Flange, Steel, Class 300	3,885.30	926.85
33 14 13 36-0217		**Slip-on Flanges, Steel, Class 150** *(33 14 13 36-0129)*		
33 14 13 36-0218	EA	4" Slip-on Flange, Steel, Class 150	209.99	112.36
33 14 13 36-0219	EA	6" Slip-on Flange, Steel, Class 150	342.07	185.47
33 14 13 36-0220	EA	8" Slip-on Flange, Steel, Class 150	488.18	260.63
33 14 13 36-0221	EA	10" Slip-on Flange, Steel, Class 150	614.68	297.96
33 14 13 36-0222	EA	12" Slip-on Flange, Steel, Class 150	849.53	389.80
33 14 13 36-0223	EA	14" Slip-on Flange, Steel, Class 150	1,078.25	460.73
33 14 13 36-0224	EA	16" Slip-on Flange, Steel, Class 150	1,328.27	538.08
33 14 13 36-0225	EA	18" Slip-on Flange, Steel, Class 150	1,484.25	599.89
33 14 13 36-0226	EA	20" Slip-on Flange, Steel, Class 150	1,673.33	672.75
33 14 13 36-0227	EA	24" Slip-on Flange, Steel, Class 150	1,789.09	695.07
33 14 13 36-0228	EA	30" Slip-on Flange, Steel, Class 150	2,347.52	818.46
33 14 13 36-0229		**Slip-on Flanges, Steel, Class 300** *(33 14 13 36-0129)*		
33 14 13 36-0230	EA	4" Slip-on Flange, Steel, Class 300	241.17	112.36
33 14 13 36-0231	EA	6" Slip-on Flange, Steel, Class 300	390.06	185.47
33 14 13 36-0232	EA	8" Slip-on Flange, Steel, Class 300	561.19	260.63
33 14 13 36-0233	EA	10" Slip-on Flange, Steel, Class 300	740.73	297.96
33 14 13 36-0234	EA	12" Slip-on Flange, Steel, Class 300	1,048.41	389.80
33 14 13 36-0235	EA	14" Slip-on Flange, Steel, Class 300	1,368.81	460.73
33 14 13 36-0236	EA	16" Slip-on Flange, Steel, Class 300	1,719.48	538.08
33 14 13 36-0237	EA	18" Slip-on Flange, Steel, Class 300	1,922.89	599.89
33 14 13 36-0238	EA	20" Slip-on Flange, Steel, Class 300	2,171.91	672.75
33 14 13 36-0239	EA	24" Slip-on Flange, Steel, Class 300	2,349.29	695.07
33 14 13 36-0240	EA	30" Slip-on Flange, Steel, Class 300	3,243.85	818.46
33 14 13 36-0241		**Blind Flanges, Steel, Class 150** *(33 14 13 36-0129)*		
33 14 13 36-0242	EA	4" Blind Flange, Steel, Class 150	227.48	112.36
33 14 13 36-0243	EA	6" Blind Flange, Steel, Class 150	367.59	185.47
33 14 13 36-0244	EA	8" Blind Flange, Steel, Class 150	532.82	260.63
33 14 13 36-0245	EA	10" Blind Flange, Steel, Class 150	723.90	297.96
33 14 13 36-0246	EA	12" Blind Flange, Steel, Class 150	976.82	389.80
33 14 13 36-0247	EA	14" Blind Flange, Steel, Class 150	1,498.88	460.73
33 14 13 36-0248	EA	16" Blind Flange, Steel, Class 150	1,658.38	538.08
33 14 13 36-0249	EA	18" Blind Flange, Steel, Class 150	1,824.48	599.89
33 14 13 36-0250	EA	20" Blind Flange, Steel, Class 150	2,275.15	672.75
33 14 13 36-0251	EA	24" Blind Flange, Steel, Class 150	2,855.50	695.07
33 14 13 36-0252	EA	30" Blind Flange, Steel, Class 150	4,055.93	818.46
33 14 13 36-0253		**Blind Flanges, Steel, Class 300** *(33 14 13 36-0129)*		
33 14 13 36-0254	EA	4" Blind Flange, Steel, Class 300	271.78	112.36
33 14 13 36-0255	EA	6" Blind Flange, Steel, Class 300	434.73	185.47
33 14 13 36-0256	EA	8" Blind Flange, Steel, Class 300	639.31	260.63
33 14 13 36-0257	EA	10" Blind Flange, Steel, Class 300	931.86	297.96
33 14 13 36-0258	EA	12" Blind Flange, Steel, Class 300	1,271.16	389.80
33 14 13 36-0259	EA	14" Blind Flange, Steel, Class 300	2,104.91	460.73
33 14 13 36-0260	EA	16" Blind Flange, Steel, Class 300	2,297.18	538.08
33 14 13 36-0261	EA	18" Blind Flange, Steel, Class 300	2,518.30	599.89
33 14 13 36-0262	EA	20" Blind Flange, Steel, Class 300	3,225.10	672.75
33 14 13 36-0263	EA	24" Blind Flange, Steel, Class 300	4,215.51	695.07
33 14 13 36-0264	EA	30" Blind Flange, Steel, Class 300	6,177.55	818.46
33 14 13 36-0265		**Screw Flanges, Steel, Class 150** *(33 14 13 36-0129)*		
33 14 13 36-0266	EA	4" Diameter, Screw Flange, Steel, Class 150	220.38	112.36
33 14 13 36-0267	EA	6" Diameter, Screw Flange, Steel, Class 150	358.05	185.47
33 14 13 36-0268	EA	8" Diameter, Screw Flange, Steel, Class 150	516.07	260.63
33 14 13 36-0269	EA	10" Diameter, Screw Flange, Steel, Class 150	629.61	297.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0270	EA	12" Diameter, Screw Flange, Steel, Class 150	851.18	389.80
33 14 13 36-0271		**Screw Flanges, Steel, Class 300** *(33 14 13 36-0129)*		
33 14 13 36-0272	EA	4" Diameter, Screw Flange, Steel, Class 300	264.27	112.36
33 14 13 36-0273	EA	6" Diameter, Screw Flange, Steel, Class 300	425.58	185.47
33 14 13 36-0274	EA	8" Diameter, Screw Flange, Steel, Class 300	621.82	260.63
33 14 13 36-0275	EA	10" Diameter, Screw Flange, Steel, Class 300	784.13	297.96
33 14 13 36-0276	EA	12" Diameter, Screw Flange, Steel, Class 300	1,076.49	389.80
33 14 13 36-0277		**Steel Flange Gaskets** *(33 14 13 36-0129)*		
33 14 13 36-0278		**1/16" Thick Cloth-Inserted Rubber Flange Gasket, Class 150 (Tripac)** *(33 14 13 36-0277)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0279	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	4.72	
33 14 13 36-0280	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	7.41	
33 14 13 36-0281	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	9.89	
33 14 13 36-0282	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	15.26	
33 14 13 36-0283	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	19.93	
33 14 13 36-0284	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	22.87	
33 14 13 36-0285	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	28.48	
33 14 13 36-0286	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	32.36	
33 14 13 36-0287	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	41.80	
33 14 13 36-0288	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	51.35	
33 14 13 36-0289	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/16" Thick, Class 150 (Tripac)	77.94	
33 14 13 36-0290		**1/8" Thick Cloth-Inserted Rubber Flange Gasket, Class 250 (Tripac)** *(33 14 13 36-0277)*		
		Note: Labor installation is included with pipe fittings or valves.		
33 14 13 36-0291	EA	4" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	14.46	
33 14 13 36-0292	EA	6" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	27.04	
33 14 13 36-0293	EA	8" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	38.32	
33 14 13 36-0294	EA	10" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	48.76	
33 14 13 36-0295	EA	12" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	59.00	
33 14 13 36-0296	EA	14" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	73.32	
33 14 13 36-0297	EA	16" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	87.09	
33 14 13 36-0298	EA	18" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	120.09	
33 14 13 36-0299	EA	20" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	135.06	
33 14 13 36-0300	EA	24" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	187.70	
33 14 13 36-0301	EA	30" Cloth-Inserted Rubber Flange Gasket, 1/8" Thick, Class 250 (Tripac)	331.40	
33 14 13 36-0302		**Steel Flange Bolt Packs** *(33 14 13 36-0129)*		
33 14 13 36-0303		**Class 150, Steel Flange Bolt Packs** *(33 14 13 36-0302)*		
		Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.		
33 14 13 36-0304	EA	1" Pipe Diameter, Class 150, Steel Flange Bolt Pack	13.41	
		For Zinc Plated, Add	*3.75*	
		For Hot Dip Galvanized, Add	*5.36*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.39*	
33 14 13 36-0305	EA	1-1/4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	15.04	
		For Zinc Plated, Add	*4.21*	
		For Hot Dip Galvanized, Add	*6.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.53*	
33 14 13 36-0306	EA	1-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	15.04	
		For Zinc Plated, Add	*4.21*	
		For Hot Dip Galvanized, Add	*6.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*10.53*	
33 14 13 36-0307	EA	2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	19.38	
		For Zinc Plated, Add	*5.43*	
		For Hot Dip Galvanized, Add	*7.75*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.57*	
33 14 13 36-0308	EA	2-1/2" Pipe Diameter, Class 150, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0309	EA	3" Pipe Diameter, Class 150, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0310	EA	4" Pipe Diameter, Class 150, Steel Flange Bolt Pack	45.55	
		For Zinc Plated, Add	*12.75*	
		For Hot Dip Galvanized, Add	*18.22*	
		For Advanced Fluoropolymer (Blue Coating), Add	*31.89*	
33 14 13 36-0311	EA	5" Pipe Diameter, Class 150, Steel Flange Bolt Pack	65.26	
		For Zinc Plated, Add	*18.27*	
		For Hot Dip Galvanized, Add	*26.10*	
		For Advanced Fluoropolymer (Blue Coating), Add	*45.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0312	EA	6" Pipe Diameter, Class 150, Steel Flange Bolt Pack	70.28	
		For Zinc Plated, Add	*19.68*	
		For Hot Dip Galvanized, Add	*28.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.20*	
33 14 13 36-0313	EA	8" Pipe Diameter, Class 150, Steel Flange Bolt Pack	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.42*	
33 14 13 36-0314	EA	10" Pipe Diameter, Class 150, Steel Flange Bolt Pack	171.43	
		For Zinc Plated, Add	*48.00*	
		For Hot Dip Galvanized, Add	*68.57*	
		For Advanced Fluoropolymer (Blue Coating), Add	*120.00*	
33 14 13 36-0315	EA	12" Pipe Diameter, Class 150, Steel Flange Bolt Pack	172.93	
		For Zinc Plated, Add	*48.42*	
		For Hot Dip Galvanized, Add	*69.17*	
		For Advanced Fluoropolymer (Blue Coating), Add	*121.05*	
33 14 13 36-0316	EA	14" Pipe Diameter, Class 150, Steel Flange Bolt Pack	193.75	
		For Zinc Plated, Add	*54.25*	
		For Hot Dip Galvanized, Add	*77.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*135.63*	
33 14 13 36-0317	EA	16" Pipe Diameter, Class 150, Steel Flange Bolt Pack	325.71	
		For Zinc Plated, Add	*91.20*	
		For Hot Dip Galvanized, Add	*130.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*228.00*	
33 14 13 36-0318	EA	18" Pipe Diameter, Class 150, Steel Flange Bolt Pack	473.18	
		For Zinc Plated, Add	*132.49*	
		For Hot Dip Galvanized, Add	*189.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*331.23*	
33 14 13 36-0319	EA	20" Pipe Diameter, Class 150, Steel Flange Bolt Pack	597.45	
		For Zinc Plated, Add	*167.29*	
		For Hot Dip Galvanized, Add	*238.98*	
		For Advanced Fluoropolymer (Blue Coating), Add	*418.22*	
33 14 13 36-0320	EA	22" Pipe Diameter, Class 150, Steel Flange Bolt Pack	854.84	
		For Zinc Plated, Add	*239.36*	
		For Hot Dip Galvanized, Add	*341.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*598.39*	
33 14 13 36-0321	EA	24" Pipe Diameter, Class 150, Steel Flange Bolt Pack	854.84	
		For Zinc Plated, Add	*239.36*	
		For Hot Dip Galvanized, Add	*341.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*598.39*	
33 14 13 36-0322	EA	30" Pipe Diameter, Class 150, Steel Flange Bolt Pack	1,350.78	
		For Zinc Plated, Add	*378.22*	
		For Hot Dip Galvanized, Add	*540.31*	
		For Advanced Fluoropolymer (Blue Coating), Add	*945.55*	
33 14 13 36-0323	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt Set Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	1,926.91	
		For Zinc Plated, Add	*539.53*	
		For Hot Dip Galvanized, Add	*770.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,348.84*	

33 14 13 36-0324 Class 300, Steel Flange Bolt Packs *(33 14 13 36-0302)*

Note: Includes plain finish A307B bolts, A563 heavy hex nut and two structural washers. Labor installation is included with pipe fittings or valves.

33 14 13 36-0325	EA	1" Pipe Diameter, Class 300, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0326	EA	1-1/4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	19.51	
		For Zinc Plated, Add	*5.46*	
		For Hot Dip Galvanized, Add	*7.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*13.66*	
33 14 13 36-0327	EA	1-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	21.83	
		For Zinc Plated, Add	*6.11*	
		For Hot Dip Galvanized, Add	*8.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*15.28*	
33 14 13 36-0328	EA	2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	43.66	
		For Zinc Plated, Add	*12.22*	
		For Hot Dip Galvanized, Add	*17.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*30.56*	
33 14 13 36-0329	EA	2-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	70.28	
		For Zinc Plated, Add	*19.68*	
		For Hot Dip Galvanized, Add	*28.11*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.20*	
33 14 13 36-0330	EA	3" Pipe Diameter, Class 300, Steel Flange Bolt Pack	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.42*	
33 14 13 36-0331	EA	3-1/2" Pipe Diameter, Class 300, Steel Flange Bolt Pack	76.32	
		For Zinc Plated, Add	*21.37*	
		For Hot Dip Galvanized, Add	*30.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*53.42*	
33 14 13 36-0332	EA	4" Pipe Diameter, Class 300, Steel Flange Bolt Pack	77.70	
		For Zinc Plated, Add	*21.76*	
		For Hot Dip Galvanized, Add	*31.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*54.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0333	EA	5" Pipe Diameter, Class 300, Steel Flange Bolt Pack	78.96	
		For Zinc Plated, Add	*22.11*	
		For Hot Dip Galvanized, Add	*31.58*	
		For Advanced Fluoropolymer (Blue Coating), Add	*55.27*	
33 14 13 36-0334	EA	6" Pipe Diameter, Class 300, Steel Flange Bolt Pack	118.44	
		For Zinc Plated, Add	*33.16*	
		For Hot Dip Galvanized, Add	*47.38*	
		For Advanced Fluoropolymer (Blue Coating), Add	*82.91*	
33 14 13 36-0335	EA	8" Pipe Diameter, Class 300, Steel Flange Bolt Pack	185.19	
		For Zinc Plated, Add	*51.85*	
		For Hot Dip Galvanized, Add	*74.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*129.63*	
33 14 13 36-0336	EA	10" Pipe Diameter, Class 300, Steel Flange Bolt Pack	347.34	
		For Zinc Plated, Add	*97.26*	
		For Hot Dip Galvanized, Add	*138.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*243.14*	
33 14 13 36-0337	EA	12" Pipe Diameter, Class 300, Steel Flange Bolt Pack	505.61	
		For Zinc Plated, Add	*141.57*	
		For Hot Dip Galvanized, Add	*202.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*353.93*	
33 14 13 36-0338	EA	14" Pipe Diameter, Class 300, Steel Flange Bolt Pack	694.87	
		For Zinc Plated, Add	*194.56*	
		For Hot Dip Galvanized, Add	*277.95*	
		For Advanced Fluoropolymer (Blue Coating), Add	*486.41*	
33 14 13 36-0339	EA	16" Pipe Diameter, Class 300, Steel Flange Bolt Pack	964.84	
		For Zinc Plated, Add	*270.16*	
		For Hot Dip Galvanized, Add	*385.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*675.39*	
33 14 13 36-0340	EA	18" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,235.87	
		For Zinc Plated, Add	*346.04*	
		For Hot Dip Galvanized, Add	*494.35*	
		For Advanced Fluoropolymer (Blue Coating), Add	*865.11*	
33 14 13 36-0341	EA	20" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,308.66	
		For Zinc Plated, Add	*366.42*	
		For Hot Dip Galvanized, Add	*523.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*916.06*	
33 14 13 36-0342	EA	24" Pipe Diameter, Class 300, Steel Flange Bolt Pack	1,652.61	
		For Zinc Plated, Add	*462.73*	
		For Hot Dip Galvanized, Add	*661.04*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,156.83*	
33 14 13 36-0343	EA	30" Pipe Diameter, Class 300, Steel Flange Bolt Pack	2,580.99	
		For Zinc Plated, Add	*722.68*	
		For Hot Dip Galvanized, Add	*1,032.40*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,806.69*	

33 14 13 36-0344 Flanged Steel Pipe Fittings, Standard Wall Thickness *(33 14 13 36-0001)*

See CSI section 33 14 13 36-0277 for full face gaskets, 33 14 13 36-0303 for bolt pack.

33 14 13 36-0345 Flanged 90 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0346	EA	4" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	523.18	224.72
		For Class 300, Add	*138.74*	
33 14 13 36-0347	EA	6" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	889.50	370.94
		For Class 300, Add	*248.44*	
33 14 13 36-0348	EA	8" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,344.82	521.40
		For Class 300, Add	*419.56*	
33 14 13 36-0349	EA	10" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,811.13	595.79
		For Class 300, Add	*683.83*	
33 14 13 36-0350	EA	12" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,503.04	779.60
		For Class 300, Add	*994.04*	
33 14 13 36-0351	EA	14" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,273.76	921.45
		For Class 300, Add	*1,409.70*	
33 14 13 36-0352	EA	16" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,370.92	1,076.01
		For Class 300, Add	*2,054.51*	
33 14 13 36-0353	EA	18" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,487.49	1,199.93
		For Class 300, Add	*2,747.98*	
33 14 13 36-0354	EA	20" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,013.11	1,345.38
		For Class 300, Add	*3,722.03*	
33 14 13 36-0355	EA	24" Diameter, 90 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	8,318.53	1,390.26
		For Class 300, Add	*4,644.49*	

33 14 13 36-0356 Flanged 45 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0357	EA	4" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	508.09	224.72
		For Class 300, Add	*127.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0358	EA	6" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	852.39	370.94
		For Class 300, Add	*220.79*	
33 14 13 36-0359	EA	8" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,275.94	521.40
		For Class 300, Add	*368.25*	
33 14 13 36-0360	EA	10" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,684.66	595.79
		For Class 300, Add	*589.61*	
33 14 13 36-0361	EA	12" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,319.66	779.60
		For Class 300, Add	*857.42*	
33 14 13 36-0362	EA	14" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,025.54	921.45
		For Class 300, Add	*1,224.78*	
33 14 13 36-0363	EA	16" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,031.16	1,076.01
		For Class 300, Add	*1,801.39*	
33 14 13 36-0364	EA	18" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,050.21	1,199.93
		For Class 300, Add	*2,422.21*	
33 14 13 36-0365	EA	20" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	6,370.40	1,345.38
		For Class 300, Add	*3,243.21*	
33 14 13 36-0366	EA	24" Diameter, 45 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,478.58	1,390.26
		For Class 300, Add	*4,018.73*	

33 14 13 36-0367 Flanged 22.5 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0368	EA	4" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	502.87	224.72
		For Class 300, Add	*123.61*	
33 14 13 36-0369	EA	6" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	840.07	370.94
		For Class 300, Add	*211.61*	
33 14 13 36-0370	EA	8" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,252.75	521.40
		For Class 300, Add	*350.97*	
33 14 13 36-0371	EA	10" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,645.12	595.79
		For Class 300, Add	*560.15*	
33 14 13 36-0372	EA	12" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,262.31	779.60
		For Class 300, Add	*814.69*	
33 14 13 36-0373	EA	14" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,891.22	921.45
		For Class 300, Add	*1,124.71*	
33 14 13 36-0374	EA	16" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,939.23	1,076.01
		For Class 300, Add	*1,732.90*	
33 14 13 36-0375	EA	18" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,931.89	1,199.93
		For Class 300, Add	*2,334.06*	
33 14 13 36-0376	EA	20" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	6,196.50	1,345.38
		For Class 300, Add	*3,113.65*	
33 14 13 36-0377	EA	24" Diameter, 22.5 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,251.31	1,390.26
		For Class 300, Add	*3,849.42*	

33 14 13 36-0378 Flanged 11.25 Degree Elbows, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0379	EA	4" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	505.32	224.72
		For Class 300, Add	*125.44*	
33 14 13 36-0380	EA	6" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	846.09	370.94
		For Class 300, Add	*216.09*	
33 14 13 36-0381	EA	8" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,263.93	521.40
		For Class 300, Add	*359.30*	
33 14 13 36-0382	EA	10" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,665.65	595.79
		For Class 300, Add	*575.45*	
33 14 13 36-0383	EA	12" Diameter, 11.25 Degree Elbow, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,292.09	779.60
		For Class 300, Add	*836.88*	

33 14 13 36-0384 Flanged Tees, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0385	EA	4"x4"x4", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	804.60	337.08
		For Class 300, Add	*222.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0386	EA	6"x6"x6", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,318.06	556.29
		For Class 300, Add	*360.54*	
33 14 13 36-0387	EA	8"x8"x8", Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,985.27	782.03
		For Class 300, Add	*605.53*	
33 14 13 36-0388	EA	10"x10"x10" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,602.82	893.75
		For Class 300, Add	*940.91*	
33 14 13 36-0389	EA	12"x12"x12" Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,627.14	1,169.39
		For Class 300, Add	*1,396.14*	
33 14 13 36-0390	EA	14"x14"x14" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,533.09	1,382.32
33 14 13 36-0391	EA	16"x16"x16" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,724.13	1,614.09
33 14 13 36-0392	EA	18"x18"x18" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	7,691.16	1,799.87
33 14 13 36-0393	EA	20"x20"x20" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	10,128.06	2,018.13
33 14 13 36-0394	EA	24"x24"x24" Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	11,766.31	2,085.34

33 14 13 36-0395 Flanged Reducing Tees, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0396	EA	6"x6"x4", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,287.78	556.29
		For Class 300, Add	*337.98*	
33 14 13 36-0397	EA	8"x8"x6", Reducing Tee, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,936.55	782.03
		For Class 300, Add	*569.23*	
33 14 13 36-0398	EA	10"x10"x8" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,541.33	893.75
		For Class 300, Add	*895.10*	
33 14 13 36-0399	EA	12"x12"x6" Reducing Tees, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,423.59	1,169.39
		For Class 300, Add	*1,244.49*	

33 14 13 36-0400 Flanged Eccentric Reducers, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0401	EA	6" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	783.06	370.94
		For Class 300, Add	*169.14*	
33 14 13 36-0402	EA	8" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,153.88	521.40
		For Class 300, Add	*277.31*	
33 14 13 36-0403	EA	8" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,116.92	521.40
		For Class 300, Add	*249.78*	
33 14 13 36-0404	EA	10" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,380.63	595.79
		For Class 300, Add	*363.11*	
33 14 13 36-0405	EA	12" x 4", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,742.31	779.60
		For Class 300, Add	*427.29*	
33 14 13 36-0406	EA	12" x 6", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,033.32	779.60
		For Class 300, Add	*644.10*	
33 14 13 36-0407	EA	12" x 8", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,922.02	779.60
		For Class 300, Add	*561.18*	
33 14 13 36-0408	EA	12" x 10", Eccentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,890.59	779.60
		For Class 300, Add	*537.76*	

33 14 13 36-0409 Flanged Concentric Reducers, Standard Wall Thickness, Steel *(33 14 13 36-0344)*

33 14 13 36-0410	EA	6" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	759.69	370.94
		For Class 300, Add	*151.73*	
33 14 13 36-0411	EA	8" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,073.00	521.40
		For Class 300, Add	*217.06*	
33 14 13 36-0412	EA	8" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,088.64	521.40
		For Class 300, Add	*228.71*	
33 14 13 36-0413	EA	10" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,377.62	595.79
		For Class 300, Add	*360.86*	
33 14 13 36-0414	EA	12" x 4", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,938.48	779.60
		For Class 300, Add	*573.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0415	EA	12" x 6", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,763.87	779.60
		For Class 300, Add	*443.36*	
33 14 13 36-0416	EA	12" x 8", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,807.15	779.60
		For Class 300, Add	*475.60*	
33 14 13 36-0417	EA	12" x 10", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	1,851.94	779.60
		For Class 300, Add	*508.97*	
33 14 13 36-0418	EA	14" x 12", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	2,393.89	926.46
		For Class 300, Add	*748.24*	
33 14 13 36-0419	EA	16" x 14", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,128.81	1,042.15
33 14 13 36-0420	EA	18" x 16", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	3,918.93	1,191.07
33 14 13 36-0421	EA	20" x 18", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	4,958.12	1,344.73
		For Class 300, Add	*2,191.07*	
33 14 13 36-0422	EA	24" x 20", Concentric Reducer, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Epoxy Coated	5,619.04	1,389.63
		For Class 300, Add	*2,633.37*	
33 14 13 36-0423		**Flanged Crosses, Standard Wall Thickness, Steel** *(33 14 13 36-0344)*		
33 14 13 36-0424	EA	8" x 8" x 8" x 8", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	2,686.54	1,038.94
		For Class 300, Add	*839.49*	
33 14 13 36-0425	EA	12" x 12" x 12" x 12", Crosses, Steel, Standard Wall Thickness, Flanged Ends, Class 150, Cement Mortar Lined And Coated	4,953.44	1,557.14
		For Class 300, Add	*1,949.26*	
33 14 13 36-0426		**Grooved-Joint Pipe, Cement Mortar Lined And Epoxy Coated** *(33 14 13 36)*		
		Note: Excludes fittings, elbow, tee, reducer fitting or couplings.		
33 14 13 36-0427	LF	3" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	69.92	27.20
33 14 13 36-0428	LF	4" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	85.33	30.27
33 14 13 36-0429	LF	6" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	147.61	53.10
33 14 13 36-0430	LF	8" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	190.40	60.15
33 14 13 36-0431	LF	10" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	244.98	71.83
33 14 13 36-0432	LF	12" Diameter, Schedule 40, AGS, Cement Mortar Lined And Epoxy Coated	296.87	82.48
33 14 13 36-0433		**Grooved-Joint Pipe Fittings** *(33 14 13 36)*		
33 14 13 36-0434		**90 Degree Grooved Elbow** *(33 14 13 36-0433)*		
33 14 13 36-0435	EA	3" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	202.75	41.30
33 14 13 36-0436	EA	4" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	236.27	54.51
33 14 13 36-0437	EA	6" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	547.24	89.14
33 14 13 36-0438	EA	8" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,020.87	106.07
33 14 13 36-0439	EA	10" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,524.73	123.77
33 14 13 36-0440	EA	12" 90 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,354.93	148.53
33 14 13 36-0441		**45 Degree Grooved Elbow** *(33 14 13 36-0433)*		
33 14 13 36-0442	EA	3" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	202.69	41.30
33 14 13 36-0443	EA	4" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	236.27	54.51
33 14 13 36-0444	EA	6" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	547.24	89.14
33 14 13 36-0445	EA	8" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,020.87	106.07
33 14 13 36-0446	EA	10" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,524.73	123.77
33 14 13 36-0447	EA	12" 45 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	2,354.93	148.53
33 14 13 36-0448		**22.5 Degree Grooved Elbow** *(33 14 13 36-0433)*		
33 14 13 36-0449	EA	3" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	186.95	41.30
33 14 13 36-0450	EA	4" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	247.39	54.51
33 14 13 36-0451	EA	6" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	579.30	89.14
33 14 13 36-0452	EA	8" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,083.08	106.07
33 14 13 36-0453	EA	10" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,456.08	123.77
33 14 13 36-0454	EA	12" 22.5 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,936.77	148.53
33 14 13 36-0455		**11.25 Degree Grooved Elbow** *(33 14 13 36-0433)*		
33 14 13 36-0456	EA	3" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	186.94	41.30
33 14 13 36-0457	EA	4" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	247.38	54.51
33 14 13 36-0458	EA	6" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	579.28	89.14
33 14 13 36-0459	EA	8" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,083.03	106.07
33 14 13 36-0460	EA	10" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,456.01	123.77
33 14 13 36-0461	EA	12" 11.25 Degree Elbow, Steel, AGS, Schedule 40, Cement Mortar Lined And Epoxy Coated	1,936.68	148.53
33 14 13 36-0462		**Grooved Couplings** *(33 14 13 36-0433)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0463	EA	3" Coupling, Steel, AGS, Schedule 40	59.48	20.39
33 14 13 36-0464	EA	4" Coupling, Steel, AGS, Schedule 40	87.58	27.20
33 14 13 36-0465	EA	6" Coupling, Steel, AGS, Schedule 40	151.50	44.51
33 14 13 36-0466	EA	8" Coupling, Steel, AGS, Schedule 40	217.58	53.10
33 14 13 36-0467	EA	10" Coupling, Steel, AGS, Schedule 40	324.87	63.62
33 14 13 36-0468	EA	12" Coupling, Steel, AGS, Schedule 40	365.60	69.65

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	8.46	2.22
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	10.75	2.50
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	14.25	2.78
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	17.87	3.33
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	22.07	4.45
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	32.35	5.55
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	40.79	6.67
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	51.33	7.33
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	68.92	9.22
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	91.11	11.66
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	147.55	14.55
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	190.82	17.55
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	330.64	19.65

33 14 13 39-0015 Type K Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	9.03	2.22
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	12.77	2.50
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	16.26	2.78
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	19.12	3.33
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	23.92	4.45
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	34.84	5.55
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	47.67	6.67
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	61.65	7.33
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	81.05	9.22
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	109.52	11.66
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	185.63	14.55
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	259.31	17.55
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	457.03	19.65

33 14 13 39-0029 Copper Flare x Female Copper Flare Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15405

33 14 13 39-0030	EA	3/4" Copper Flare x Female Copper Flare Service Fitting Coupling	40.58
33 14 13 39-0031	EA	1" Copper Flare x Female Copper Flare Service Fitting Coupling	56.95
33 14 13 39-0032	EA	1-1/2" Copper Flare x Female Copper Flare Service Fitting Coupling	131.31
33 14 13 39-0033	EA	2" Copper Flare x Female Copper Flare Service Fitting Coupling	167.19

33 14 13 39-0034 Copper Flare x Female Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15450

33 14 13 39-0035	EA	1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	45.59
33 14 13 39-0036	EA	3/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	40.74
33 14 13 39-0037	EA	1" Copper Flare x Female Iron Pipe Service Fitting Coupling	55.57
33 14 13 39-0038	EA	1-1/4" Copper Flare x Female Iron Pipe Service Fitting Coupling	80.77
33 14 13 39-0039	EA	1-1/2" Copper Flare x Female Iron Pipe Service Fitting Coupling	103.49
33 14 13 39-0040	EA	2" Copper Flare x Female Iron Pipe Service Fitting Coupling	162.32

33 14 13 39-0041 Copper Flare x Male Iron Pipe Service Fitting Coupling *(33 14 13 39)*

Note: Mueller H-15425

33 14 13 39-0042	EA	1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	39.93
33 14 13 39-0043	EA	3/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	40.84
33 14 13 39-0044	EA	1" Copper Flare x Male Iron Pipe Service Fitting Coupling	54.35
33 14 13 39-0045	EA	1-1/4" Copper Flare x Male Iron Pipe Service Fitting Coupling	80.77
33 14 13 39-0046	EA	1-1/2" Copper Flare x Male Iron Pipe Service Fitting Coupling	107.90
33 14 13 39-0047	EA	2" Copper Flare x Male Iron Pipe Service Fitting Coupling	167.78

33 14 13 39-0048 Brass Fittings *(33 14 13 39)*

33 14 13 39-0049 Brass Compression Reducer Coupling *(33 14 13 39-0048)*

33 14 13 39-0050	EA	3/4" x 1" Brass Compression Reducer Coupling	54.34	17.55
33 14 13 39-0051	EA	1" x 3/4" Brass Compression Reducer Coupling	43.03	17.55
33 14 13 39-0052	EA	1-1/2" x 1" Brass Compression Reducer Coupling	90.37	26.64
33 14 13 39-0053	EA	2" x 1-1/2" Brass Compression Reducer Coupling	111.94	33.79

33 14 13 39-0054 Copper Compression x Male NPT Brass Coupling *(33 14 13 39-0048)*

Note: A. Y. McDonald 74753Q

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0055	EA	3/4" Copper Compression x Male NPT Brass Coupling	56.57	19.49
33 14 13 39-0056	EA	3/4" x 1" Copper Compression x Male NPT Brass Coupling	64.70	22.74
33 14 13 39-0057	EA	1" Copper Compression x Male NPT Brass Coupling	66.33	22.74
33 14 13 39-0058	EA	1" x 3/4" Copper Compression x Male NPT Brass Coupling	64.97	22.74
33 14 13 39-0059	EA	1-1/4" Copper Compression x Male NPT Brass Coupling	88.45	25.99
33 14 13 39-0060	EA	1-1/4" x 1" Copper Compression x Male NPT Brass Coupling	85.97	25.99
33 14 13 39-0061	EA	1-1/2" Copper Compression x Male NPT Brass Coupling	117.19	32.49
33 14 13 39-0062	EA	2" Copper Compression x Male NPT Brass Coupling	154.08	38.98
33 14 13 39-0063		Brass Nipples *(33 14 13 39-0048)*		
33 14 13 39-0064	EA	3/4" x 6" Long Brass Nipple	38.24	8.12
33 14 13 39-0065	EA	1" x 6" Long Brass Nipple	49.61	8.77
33 14 13 39-0066	EA	1-1/2" x 6" Long Brass Nipple	75.20	9.42
33 14 13 39-0067		Brass "H" Style Meter Insetters *(33 14 13 39-0048)*		
33 14 13 39-0068	EA	5/8" x 3/4" Compression End, Brass "H" Style Meter Insetters	289.85	35.89
33 14 13 39-0069	EA	5/8" x 3/4" Threaded End, Brass "H" Style Meter Insetters	186.05	35.89
33 14 13 39-0070		Meter Setters - Resetter, Brass *(33 14 13 39-0048)*		
33 14 13 39-0071	EA	1" Meter, 10" High Brass Meter Setter - Resetter Note: Male meter thread, bottom inlet/outlet, angle ball valve, top inlet/outlet with meter nuts.	767.06	35.89

33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps *(33 14 13)*

33 14 13 43-0001 Pipe Coatings *(33 14 13 43)*

33 14 13 43-0002 Epoxy Wrap And Pipe Coating *(33 14 13 43-0001)*
Note: Applied at fabrication shop.

33 14 13 43-0003	LF	4" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	1.76	
33 14 13 43-0004	LF	6" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.17	
33 14 13 43-0005	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.71	
33 14 13 43-0006	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.23	
33 14 13 43-0007	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.81	
33 14 13 43-0008	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.06	
33 14 13 43-0009	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.77	
33 14 13 43-0010	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.07	
33 14 13 43-0011	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.53	
33 14 13 43-0012	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.61	
33 14 13 43-0013	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	10.00	
33 14 13 43-0014	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	15.79	
33 14 13 43-0015	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	34.04	
33 14 13 43-0016	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	38.90	
33 14 13 43-0017	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	43.77	
33 14 13 43-0018	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	48.63	
33 14 13 43-0019	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	53.49	
33 14 13 43-0020	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	58.33	
33 14 13 43-0021	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	63.22	

33 14 13 43-0022 Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)*
Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 14 13 43-0023	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	8.88	
33 14 13 43-0024	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	10.93	
33 14 13 43-0025	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	13.66	
33 14 13 43-0026	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	15.22	
33 14 13 43-0027	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	17.19	
33 14 13 43-0028	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	20.12	
33 14 13 43-0029	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	22.86	
33 14 13 43-0030	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	25.79	
33 14 13 43-0031	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	28.66	
33 14 13 43-0032	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	34.38	
33 14 13 43-0033	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	42.98	
33 14 13 43-0034	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	51.57	
33 14 13 43-0035	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	60.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0036	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	68.76	
33 14 13 43-0037	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	77.36	
33 14 13 43-0038	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	85.95	
33 14 13 43-0039	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	94.55	
33 14 13 43-0040	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	103.14	
33 14 13 43-0041	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	111.74	

33 14 13 43-0042 Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)*

Note: Applied at fabrication shop.

33 14 13 43-0043	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	10.69	
		For 1/2" Thick, Add	*0.41*	
33 14 13 43-0044	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	13.53	
		For 1/2" Thick, Add	*0.54*	
33 14 13 43-0045	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	19.76	
		For 1/2" Thick, Add	*0.70*	
33 14 13 43-0046	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	33.31	
		For 1/2" Thick, Add	*1.03*	
33 14 13 43-0047	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	50.91	
		For 1/2" Thick, Add	*1.52*	
33 14 13 43-0048	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	79.83	
		For 1/2" Thick, Add	*2.33*	
33 14 13 43-0049	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	123.25	
		For 1/2" Thick, Add	*3.00*	
33 14 13 43-0050	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	167.57	
		For 1/2" Thick, Add	*3.09*	
33 14 13 43-0051	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	229.15	
		For 1/2" Thick, Add	*3.70*	
33 14 13 43-0052	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	333.54	
		For 1/2" Thick, Add	*5.18*	

33 14 13 43-0053 Cement Pipe Lining *(33 14 13 43)*

33 14 13 43-0054 Cement Pipe Lining *(33 14 13 43-0053)*

Note: Shop applied.

33 14 13 43-0055	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	14.58	
		For 1/2" Thick, Add	*1.18*	
33 14 13 43-0056	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	18.11	
		For 1/2" Thick, Add	*1.46*	
33 14 13 43-0057	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	22.10	
		For 1/2" Thick, Add	*1.82*	
33 14 13 43-0058	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	28.71	
		For 1/2" Thick, Add	*2.28*	
33 14 13 43-0059	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	35.35	
		For 1/2" Thick, Add	*2.74*	
33 14 13 43-0060	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	45.25	
		For 1/2" Thick, Add	*3.21*	
33 14 13 43-0061	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	58.80	
		For 1/2" Thick, Add	*3.64*	
33 14 13 43-0062	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	70.33	
		For 1/2" Thick, Add	*3.49*	
33 14 13 43-0063	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	85.07	
		For 1/2" Thick, Add	*3.88*	
33 14 13 43-0064	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	103.16	
		For 1/2" Thick, Add	*4.66*	
33 14 13 43-0065	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	124.08	
		For 1/2" Thick, Add	*5.82*	
33 14 13 43-0066	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	149.33	
		For 1/2" Thick, Add	*6.99*	
33 14 13 43-0067	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	174.26	
		For 1/2" Thick, Add	*5.99*	
33 14 13 43-0068	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	199.06	
		For 1/2" Thick, Add	*6.85*	
33 14 13 43-0069	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	223.99	
		For 1/2" Thick, Add	*7.70*	
33 14 13 43-0070	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	248.92	
		For 1/2" Thick, Add	*8.56*	
33 14 13 43-0071	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	273.74	
		For 1/2" Thick, Add	*5.02*	
33 14 13 43-0072	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	298.67	
		For 1/2" Thick, Add	*5.48*	
33 14 13 43-0073	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	323.58	
		For 1/2" Thick, Add	*5.93*	

33 14 13 43-0074 Cement Fitting Lining *(33 14 13 43-0053)*

Note: Shop applied.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0075	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	15.49	
		For 1/2" Thick, Add	*1.37*	
33 14 13 43-0076	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	19.93	
		For 1/2" Thick, Add	*1.82*	
33 14 13 43-0077	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	28.08	
		For 1/2" Thick, Add	*2.37*	
33 14 13 43-0078	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	46.37	
		For 1/2" Thick, Add	*3.64*	
33 14 13 43-0079	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	70.69	
		For 1/2" Thick, Add	*5.48*	
33 14 13 43-0080	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	105.06	
		For 1/2" Thick, Add	*7.37*	
33 14 13 43-0081	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	155.59	
		For 1/2" Thick, Add	*9.47*	
33 14 13 43-0082	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	211.00	
		For 1/2" Thick, Add	*10.48*	
33 14 13 43-0083	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	283.43	
		For 1/2" Thick, Add	*12.93*	
33 14 13 43-0084	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	412.65	
		For 1/2" Thick, Add	*18.63*	

33 14 13 43-0085 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0086	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.10	
33 14 13 43-0087	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.83	
33 14 13 43-0088	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	2.30	
33 14 13 43-0089	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.90	
33 14 13 43-0090	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	4.01	
33 14 13 43-0091	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	5.18	
33 14 13 43-0092	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	6.59	
33 14 13 43-0093	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	7.85	
33 14 13 43-0094	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	9.36	
33 14 13 43-0095	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	10.39	

33 14 13 43-0096 Enecon Polymeric Pipe Wrap *(33 14 13 43)*

Note: 1/4" thick polymeric wrap with three layers of integrated reinforcement. Includes minimal surface preparation.

33 14 13 43-0097	LF	6" Diameter Pipe, Enecon Polymeric Pipe Wrap	446.03	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*178.41*	
		For <10', Add	*446.03*	
33 14 13 43-0098	LF	8" Diameter Pipe, Enecon Polymeric Pipe Wrap	603.45	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*241.38*	
		For <10', Add	*603.45*	
33 14 13 43-0099	LF	10" Diameter Pipe, Enecon Polymeric Pipe Wrap	734.64	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*293.86*	
		For <10', Add	*734.64*	
33 14 13 43-0100	LF	12" Diameter Pipe, Enecon Polymeric Pipe Wrap	865.82	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*346.33*	
		For <10', Add	*865.82*	
33 14 13 43-0101	LF	14" Diameter Pipe, Enecon Polymeric Pipe Wrap	944.53	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*377.81*	
		For <10', Add	*944.53*	
33 14 13 43-0102	LF	16" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,075.72	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*430.29*	
		For <10', Add	*1,075.72*	
33 14 13 43-0103	LF	18" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,233.14	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*493.26*	
		For <10', Add	*1,233.14*	
33 14 13 43-0104	LF	20" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,377.44	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*550.98*	
		For <10', Add	*1,377.44*	
33 14 13 43-0105	LF	22" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,508.63	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*603.45*	
33 14 13 43-0106	LF	24" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,639.81	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*655.92*	
33 14 13 43-0107	LF	26" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,784.12	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*713.65*	
33 14 13 43-0108	LF	28" Diameter Pipe, Enecon Polymeric Pipe Wrap	1,915.30	
		Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.		
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*766.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0109	LF	30" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,072.72	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*621.82*	
33 14 13 43-0110	LF	32" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,177.67	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*653.30*	
33 14 13 43-0111	LF	34" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,335.09	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*700.53*	
33 14 13 43-0112	LF	36" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,466.28	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*739.88*	
33 14 13 43-0113	LF	42" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	2,886.07	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*865.82*	
33 14 13 43-0114	LF	48" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	3,305.86	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*991.76*	
33 14 13 43-0115	LF	60" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	4,092.97	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*1,227.89*	
33 14 13 43-0116	LF	96" Diameter Pipe, Enecon Polymeric Pipe Wrap Note: 1/4" thick polymeric wrap with three layers on integrated reinforcement.	6,559.25	
		For abrasive pipe blasting and/or mechanical preparation (grinding), Add	*1,967.78*	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	278.79
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	385.07
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	398.49
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	331.35
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	413.94
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	346.70
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	433.74
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	388.98
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	456.99
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	406.02
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	468.34

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	237.97
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	238.12
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	253.40
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	241.73
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	258.56
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	284.97
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	302.95
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	277.87
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	304.48
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.08
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	293.27
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.70
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	336.21
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	309.17
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	335.83
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	351.17
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	500.73
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	514.15
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	333.91
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	365.82
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	380.16
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	589.68
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	371.70
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	409.67
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	655.68
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	403.06
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	443.13
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	459.27
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	728.83
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	466.26
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	497.99
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	534.90
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	888.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	479.68	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	542.52	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	565.03	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	952.84	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	501.09	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	566.17	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	589.25	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	991.33	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	552.02	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	635.04	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	625.00	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	690.45	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	652.42	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	734.01	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	323.42	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	352.68	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	367.19	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	396.71	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	407.32	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	428.06	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	397.33	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	422.08	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	496.74	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	535.93	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	731.26	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	822.94	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	847.67	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	943.14	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	338.49	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	371.70	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	384.99	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	417.04	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	429.32	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	451.24	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	481.20	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	514.23	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	516.90	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	558.69	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	781.22	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	893.59	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	906.95	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	986.16	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,999.30	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,999.30	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,075.35	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,075.35	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,227.63	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,227.63	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,474.52	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,782.25	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,127.20	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,247.58	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,370.50	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,537.70	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,611.21	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,571.77	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,738.31	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,139.58	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,243.78	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,011.29	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,199.05	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,285.22	
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,324.07	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,592.18	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,585.22	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,612.07	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,821.53	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,873.33	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,930.02	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,062.73	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,319.70	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,512.84	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,981.83	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,122.56	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,538.58	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,881.18	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,530.46	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,711.30	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,783.84	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,132.63	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,619.90	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,892.06	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,921.51	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,088.51	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,137.72	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,709.47	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,927.10	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,980.78	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,444.31	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,667.84	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,214.18	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,296.17	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,413.81	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,460.20	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,520.32	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,737.52	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,596.91	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,655.52	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,846.79	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,519.34	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,799.92	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,884.51	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,072.78	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,675.58	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,910.90	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,349.75	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,420.24	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,820.92	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,317.00	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,640.60	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,784.03	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,856.69	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,122.92	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,831.20	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,000.80	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,963.85	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,093.16	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,271.67	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,104.60	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,274.02	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,566.38	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,638.91	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,035.91	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,705.21	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,990.88	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,855.30	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,010.78	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,219.72	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,168.48	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,344.99	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,395.23	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,524.84	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,613.07	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,651.48	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,752.68	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,049.24	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,893.04	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,004.94	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,271.04	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,038.23	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,163.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,314.93	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,665.54	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,121.47	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,470.71	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,469.53	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,654.70	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,049.12	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,505.49	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,748.22	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,001.61	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,253.67	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,446.44	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,936.92	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,270.57	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,315.04	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,690.37	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,891.43	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,322.78	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,892.54	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,587.12	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,961.49	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,125.39	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,925.60	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,372.29	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,238.31	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,294.05	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,490.02	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,444.64	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,955.49	
33 14 13 53-0222		**Ductile Iron Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	348.74	69.74
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	437.09	87.93
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	576.21	121.28
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	742.96	142.50
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,150.44	160.69
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,285.85	181.91
33 14 13 53-0229		**Steel Body, Flanged Coupling Adapter** *(33 14 13 53)*		
33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	500.60	69.74
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	593.35	87.93
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	793.27	121.28
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	968.87	142.50
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,179.42	160.69
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,373.00	181.91
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,627.07	200.11
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,922.18	218.30
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,265.48	240.12
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,672.08	264.14
33 14 13 53-0240		**Steel Body, Flanged-Lock Restrained Coupling Adapters** *(33 14 13 53)*		
33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	447.25	87.93
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	601.28	121.28
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	667.94	142.50
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	962.88	160.69
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,220.46	181.91
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,367.84	200.11
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,603.46	218.30
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,798.20	240.12
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,154.68	264.14
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,588.34	290.57
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,316.44	319.56
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,154.20	351.57
33 14 13 53-0253		**Ductile Iron Body, Omni Coupling System** *(33 14 13 53)*		
33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	162.11	48.51
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	199.38	57.60
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	246.41	69.74
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	309.53	87.93
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	414.02	121.28
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	501.74	142.50
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	622.30	160.69
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	726.19	181.91
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,006.39	200.11
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,247.25	218.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0264		**Fabricated Coupling (Smith-Blair 411)** *(33 14 13 53)*		
33 14 13 53-0265	EA	4" Steel Fabricated Coupling	519.89	183.59
33 14 13 53-0266	EA	6" Steel Fabricated Coupling	691.08	229.17
33 14 13 53-0267	EA	8" Steel Fabricated Coupling	802.06	262.09
33 14 13 53-0268	EA	10" Steel Fabricated Coupling	1,129.60	417.82
33 14 13 53-0269	EA	12" Steel Fabricated Coupling	1,278.44	455.81
33 14 13 53-0270	EA	14" Steel Fabricated Coupling	1,600.88	501.38
33 14 13 53-0271	EA	16" Steel Fabricated Coupling	1,933.45	557.09
33 14 13 53-0272	EA	18" Steel Fabricated Coupling	2,085.02	626.73
33 14 13 53-0273	EA	20" Steel Fabricated Coupling	2,468.62	715.35
33 14 13 53-0274	EA	24" Steel Fabricated Coupling	2,994.41	835.63
33 14 13 53-0275	EA	30" Steel Fabricated Coupling	4,147.01	1,002.77
33 14 13 53-0276	EA	36" Steel Fabricated Coupling	5,292.22	1,253.45
33 14 13 53-0277	EA	42" Steel Fabricated Coupling	6,115.90	1,430.71
33 14 13 53-0278	EA	48" Steel Fabricated Coupling	7,203.16	1,671.27
33 14 13 53-0279		**Transition Coupling (Smith-Blair 413)** *(33 14 13 53)*		
33 14 13 53-0280	EA	4" Steel Transition Coupling	661.00	183.59
33 14 13 53-0281	EA	6" Steel Transition Coupling	919.32	229.17
33 14 13 53-0282	EA	8" Steel Transition Coupling	1,052.11	262.09
33 14 13 53-0283	EA	10" Steel Transition Coupling	1,478.76	417.82
33 14 13 53-0284	EA	12" Steel Transition Coupling	1,742.63	455.81
33 14 13 53-0285	EA	14" Steel Transition Coupling	1,973.18	501.38
33 14 13 53-0286	EA	16" Steel Transition Coupling	2,378.25	557.09
33 14 13 53-0287	EA	18" Steel Transition Coupling	3,005.16	626.73
33 14 13 53-0288	EA	20" Steel Transition Coupling	3,226.72	715.35
33 14 13 53-0289	EA	24" Steel Transition Coupling	3,899.16	835.63
33 14 13 53-0290	EA	30" Steel Transition Coupling	5,191.48	1,002.77
33 14 13 53-0291	EA	36" Steel Transition Coupling	6,179.33	1,253.45
33 14 13 53-0292	EA	42" Steel Transition Coupling	7,373.39	1,430.71
33 14 13 53-0293	EA	48" Steel Transition Coupling	8,245.26	1,671.27
33 14 19		**Valves and Hydrants for Water Utility Service** *(33 14)* Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.		
33 14 19 00-0001		**Accessories For Valves** *(33 14 19)*		
33 14 19 00-0002	EA	1' Valve Extension Stem	116.72	
		For Each Additional LF, Add	*9.19*	
33 14 19 00-0003	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,752.90	119.65
33 14 19 00-0004	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,988.19	131.61
33 14 19 00-0005	EA	Adjust Water Valve Box To Grade	119.65	
33 14 19 00-0006		**Traffic Valve Box And Lid** *(33 14 19)*		
33 14 19 00-0007	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	235.50	
33 14 19 00-0008	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	762.12	
33 14 19 00-0009		**Water Utility Distribution Valves** *(33 14 19)*		
33 14 19 00-0010		**Angle Valves** *(33 14 19 00-0009)* Note: For connecting meters to water service.		
33 14 19 00-0011		**Threaded, Class 150, Bronze Angle Valve** *(33 14 19 00-0010)* Note: NIBCO T-335Y		
33 14 19 00-0012	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	108.65	20.79
33 14 19 00-0013	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	146.53	27.94
33 14 19 00-0014	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	196.56	34.43
33 14 19 00-0015	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	252.93	43.27
33 14 19 00-0016	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	314.98	50.02
33 14 19 00-0017	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	466.62	58.48
33 14 19 00-0018	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	744.23	79.80
33 14 19 00-0019	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,123.61	92.13
33 14 19 00-0020		**Ball Meter Valves** *(33 14 19 00-0009)*		
33 14 19 00-0021	EA	3/4" Ball Meter Valve (Ford B43-342W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	149.56	32.49
33 14 19 00-0022	EA	1" Ball Meter Valve (Ford B43-444W) Note: 1" service line size. Pack joint for copper or plastic tubing inlet by meter swivel nut.	162.32	34.43
33 14 19 00-0023	EA	1-1/2" Ball Meter Valve (Ford BF43-666W) Note: 1-1/2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	309.40	58.48
33 14 19 00-0024	EA	2" Ball Meter Valve (Ford BF43-777W) Note: 2" service line size. Pack joint for copper or plastic tubing inlet by meter flange.	429.52	59.12
33 14 19 00-0025	EA	3/4" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	152.51	32.49
33 14 19 00-0026	EA	1" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	202.50	34.43
33 14 19 00-0027	EA	1-1/2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	365.12	58.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0028	EA	2" Diameter Threaded, Ball Meter Valve (Mueller B-20200)	479.48	59.12
33 14 19 00-0029	EA	3/4", 150 PSI, Ball Valve (Ford B13-332W)	187.47	32.49
33 14 19 00-0030	EA	1", 150 PSI, Ball Valve (Ford B13-444W)	303.80	34.43
33 14 19 00-0031	EA	1-1/2", 150 PSI, Ball Valve (Ford B13-666W)	695.68	58.48
33 14 19 00-0032	EA	2", 150 PSI, Ball Valve (Ford B13-777W)	941.89	59.12
33 14 19 00-0033	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Swivel Meter Nut (Mueller B-2458N)	328.52	38.98
33 14 19 00-0034	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Swivel Meter Nut (Mueller B-2455N	320.13	38.98
33 14 19 00-0035	EA	2" Bronze Angle Meter Stop With 90 Degree Lock Wing, Compression x Outlet Meter Flange (Mueller B-24276N	785.56	59.77
33 14 19 00-0036	EA	1" Bronze Angle Meter Stop With 90 Degree Lock Wing, Flare x Outlet Meter Flange (Mueller B-24277N)	320.13	38.98
33 14 19 00-0037	EA	3/4" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351)	191.98	28.58
33 14 19 00-0038	EA	1" Bronze Shut-Off Valve, Inlet Swivel Meter Nut x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24351)	270.12	33.79
33 14 19 00-0039	EA	1-1/2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337)	450.44	49.38
33 14 19 00-0040	EA	2" Bronze Shut-Off Valve, Inlet Meter Flange x Outlet FIP Thread, Lockable Tabs With Lever Handle (Mueller B-24337)	726.01	58.48

33 14 19 00-0041 Butterfly Valves *(33 14 19 00-0009)*

33 14 19 00-0042 Lug Type Flanged, Cast Iron Disc, Butterfly Valves *(33 14 19 00-0041)*

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0043	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,201.08	220.90
33 14 19 00-0044	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,461.79	220.90
33 14 19 00-0045	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,480.28	341.84
33 14 19 00-0046	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,738.76	341.84
33 14 19 00-0047	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,849.88	406.70
33 14 19 00-0048	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,108.36	406.70
33 14 19 00-0049	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,221.42	519.67
33 14 19 00-0050	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,478.42	519.67
33 14 19 00-0051	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,039.61	632.64
33 14 19 00-0052	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	4,039.61	632.64
33 14 19 00-0053	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,624.78	766.81
33 14 19 00-0054	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,883.26	766.81
33 14 19 00-0055	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,215.69	1,092.38
33 14 19 00-0056	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,891.60	1,092.38
33 14 19 00-0057	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,239.08	1,201.62
33 14 19 00-0058	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	8,068.00	1,201.62
33 14 19 00-0059	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	9,072.66	1,332.70
33 14 19 00-0060	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,950.60	1,332.70
33 14 19 00-0061	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,396.96	1,502.02
33 14 19 00-0062	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	11,273.41	1,502.02

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0063		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0041)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0064	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	17,362.73	1,843.39
33 14 19 00-0065	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,913.60	1,843.39
33 14 19 00-0066	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	17,310.59	1,843.39
33 14 19 00-0067	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	28,431.05	2,914.35
33 14 19 00-0068	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	56,162.27	3,885.81
33 14 19 00-0069	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	66,444.58	5,828.71
33 14 19 00-0070	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	84,288.58	7,285.89
33 14 19 00-0071	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	117,725.23	8,743.06
33 14 19 00-0072	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	147,504.32	10,491.67
33 14 19 00-0073	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	211,581.32	12,590.01
33 14 19 00-0074	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.48	
33 14 19 00-0075	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.25	
33 14 19 00-0076		**Lug Type Flanged, Butterfly Valve, Cast Iron Body, Cast Iron Disc With 316 Stainless Steel Edge** *(33 14 19 00-0041)* Note: AWWA C-504.		
33 14 19 00-0077		**Aboveground Service** *(33 14 19 00-0076)*		
33 14 19 00-0078		**Valve** *(33 14 19 00-0077)*		
33 14 19 00-0079	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	2,008.80	203.40
33 14 19 00-0080	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504	2,196.89	340.99
33 14 19 00-0081	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	2,883.27	406.70
33 14 19 00-0082	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	3,391.97	519.67
33 14 19 00-0083	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	4,897.65	632.64
33 14 19 00-0084	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	5,177.91	768.19
33 14 19 00-0085	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	8,367.09	1,092.38
33 14 19 00-0086	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	9,761.78	1,201.62
33 14 19 00-0087	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	12,046.87	1,102.59
33 14 19 00-0088	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	14,445.89	1,242.67
33 14 19 00-0089	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504	19,863.03	1,525.10
33 14 19 00-0090		**Valve With 120 Volt AC Electric Motor Operator** *(33 14 19 00-0077)*		
33 14 19 00-0091	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,523.74	203.40
33 14 19 00-0092	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With 120 Volt AC Electric Motor Operator	14,732.29	340.99
33 14 19 00-0093	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	14,840.74	406.70
33 14 19 00-0094	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	15,303.41	519.67
33 14 19 00-0095	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	16,118.65	632.64
33 14 19 00-0096	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	18,490.69	768.19
33 14 19 00-0097	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	19,874.49	1,092.38
33 14 19 00-0098	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	21,678.33	1,201.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0099	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	30,736.13	1,332.70
33 14 19 00-0100	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With 120 Volt AC Electric Motor Operator	33,709.56	1,502.02
33 14 19 00-0101		**Valve With Pneumatic Or Hydraulic Motor Operator** *(33 14 19 00-0077)*		
33 14 19 00-0102	EA	3" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,304.90	203.40
33 14 19 00-0103	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, With Pneumatic Or Hydraulic Operator	6,513.45	340.99
33 14 19 00-0104	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	6,780.44	406.70
33 14 19 00-0105	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	7,238.00	519.67
33 14 19 00-0106	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	9,935.34	632.64
33 14 19 00-0107	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	10,645.20	768.19
33 14 19 00-0108	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	11,819.31	1,092.38
33 14 19 00-0109	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	13,275.37	1,201.62
33 14 19 00-0110	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	14,324.02	1,332.70
33 14 19 00-0111	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	20,514.40	1,502.02
33 14 19 00-0112	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, With Pneumatic Or Hydraulic Operator	33,625.88	1,525.10
33 14 19 00-0113		**Buried Service** *(33 14 19 00-0076)*		
33 14 19 00-0114	EA	4" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Lever, AWWA C504, Buried Service	3,935.79	340.99
33 14 19 00-0115	EA	6" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	4,172.10	406.70
33 14 19 00-0116	EA	8" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	5,586.05	519.67
33 14 19 00-0117	EA	10" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,349.87	632.64
33 14 19 00-0118	EA	12" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	8,732.42	768.19
33 14 19 00-0119	EA	14" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	14,151.48	1,092.38
33 14 19 00-0120	EA	16" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	16,712.25	1,201.62
33 14 19 00-0121	EA	18" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	21,161.97	1,332.70
33 14 19 00-0122	EA	20" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	24,841.19	1,502.02
33 14 19 00-0123	EA	24" Flanged Cast Iron Butterfly Valve, Cast Iron Disc With 316 Stainless Steel Edge, Gear Operator, AWWA C504, Buried Service	35,834.25	1,843.39
33 14 19 00-0124		**Ductile Iron, Flanged End, Short-Body Type, Class 150, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0041)* Note: Shall conform to AWWA C504		
33 14 19 00-0125	EA	6" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	1,600.81	430.72
33 14 19 00-0126	EA	8" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	2,042.83	519.67
33 14 19 00-0127	EA	10" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	2,717.10	632.64
33 14 19 00-0128	EA	12" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	3,266.27	768.19
33 14 19 00-0129	EA	14" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	5,141.43	1,092.38
33 14 19 00-0130	EA	16" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	5,994.81	1,201.62
33 14 19 00-0131	EA	18" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	6,711.65	1,332.70
33 14 19 00-0132	EA	20" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	8,675.19	1,502.02
33 14 19 00-0133	EA	24" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	11,729.73	1,843.39
33 14 19 00-0134	EA	30" Ductile Iron, Flanged End, Short-Body Type, 150 PSI, Butterfly Valve	20,714.22	2,914.35
33 14 19 00-0135		**Ductile Iron, Flanged End, Short-Body Type, Class 250, Butterfly Valves (Henry Pratt, Mueller)** *(33 14 19 00-0041)* Note: Shall conform to AWWA C504		
33 14 19 00-0136	EA	6" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	3,986.01	430.72
33 14 19 00-0137	EA	8" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	4,500.03	519.67
33 14 19 00-0138	EA	10" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	5,108.10	632.64
33 14 19 00-0139	EA	12" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	6,325.36	768.19
33 14 19 00-0140	EA	14" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	7,882.33	1,092.38
33 14 19 00-0141	EA	16" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	8,306.38	1,201.62
33 14 19 00-0142	EA	18" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	11,060.16	1,332.70
33 14 19 00-0143	EA	20" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	16,252.48	1,502.02
33 14 19 00-0144	EA	24" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	24,150.20	1,843.39
33 14 19 00-0145	EA	30" Ductile Iron, Flanged End, Short-Body Type, 250 PSI, Butterfly Valve	31,680.85	2,914.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0146		**Check Valves** *(33 14 19 00-0009)*		
33 14 19 00-0147		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0146)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0148	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,820.24	173.48
33 14 19 00-0149	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,857.26	203.40
33 14 19 00-0150	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,489.53	257.24
33 14 19 00-0151	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,579.21	387.05
33 14 19 00-0152	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,698.78	432.27
33 14 19 00-0153	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,513.84	430.72
33 14 19 00-0154	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,638.99	489.61
33 14 19 00-0155	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,818.94	550.37
33 14 19 00-0156	EA	8" Flanged, Swing Type Gravity Operated Check Valve	5,035.99	550.37
33 14 19 00-0157	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,646.80	670.01
33 14 19 00-0158	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,229.32	502.51
33 14 19 00-0159	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,655.48	1,092.38
33 14 19 00-0160	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,935.54	1,201.62
33 14 19 00-0161	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,373.53	1,332.70
33 14 19 00-0162	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,372.38	1,502.02
33 14 19 00-0163		**Threaded, Bronze, Swing Type Check Valves** *(33 14 19 00-0146)* Note: Class 125. Watts WCV-2, NIBCO T-413.		
33 14 19 00-0164	EA	1/4" Diameter Threaded, Bronze, Swing Type Check Valve	55.90	20.92
33 14 19 00-0165	EA	3/8" Diameter Threaded, Bronze, Swing Type Check Valve	57.88	20.92
33 14 19 00-0166	EA	1/2" Diameter Threaded, Bronze, Swing Type Check Valve	55.12	20.92
33 14 19 00-0167	EA	3/4" Diameter Threaded, Bronze, Swing Type Check Valve	73.34	28.26
33 14 19 00-0168	EA	1" Diameter Threaded, Bronze, Swing Type Check Valve	86.20	34.18
33 14 19 00-0169	EA	1-1/4" Diameter Threaded, Bronze, Swing Type Check Valve	119.93	43.27
33 14 19 00-0170	EA	1-1/2" Diameter Threaded, Bronze, Swing Type Check Valve	145.44	50.02
33 14 19 00-0171	EA	2" Diameter Threaded, Bronze, Swing Type Check Valve	188.37	58.48
33 14 19 00-0172	EA	2-1/2" Diameter Threaded, Bronze, Swing Type Check Valve	281.20	79.80
33 14 19 00-0173		**Combination Air Release Valves** *(33 14 19 00-0009)*		
33 14 19 00-0174	EA	1" Combination Air Release Valve	632.80	25.12
33 14 19 00-0175	EA	2" Combination Air Release Valve	1,021.72	43.07
33 14 19 00-0176		**Corporation Stop And Curb Valve** *(33 14 19 00-0009)* Note: AWWA C800		
33 14 19 00-0177		**Ball Corporation Valves** *(33 14 19 00-0176)* Note: Mueller B-25000.		
33 14 19 00-0178	EA	3/4" Ball Corporation Valve (Mueller B-25000)	87.01	25.12
33 14 19 00-0179	EA	1" Ball Corporation Valve (Mueller B-25000)	109.06	31.10
33 14 19 00-0180	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	190.91	45.47
33 14 19 00-0181	EA	2" Ball Corporation Valve (Mueller B-25000)	281.44	53.84
33 14 19 00-0182		**Ground Key Corporation Valves** *(33 14 19 00-0176)* Note: Mueller B-15000.		
33 14 19 00-0183	EA	1/2" Ground Key Corporation Valve	66.40	21.54
33 14 19 00-0184	EA	3/4" Ground Key Corporation Valve	73.89	25.12
33 14 19 00-0185	EA	1" Ground Key Corporation Valve	99.49	31.10
33 14 19 00-0186	EA	1-1/4" Ground Key Corporation Valve	176.36	38.29
33 14 19 00-0187	EA	1-1/2" Ground Key Corporation Valve	186.14	45.47
33 14 19 00-0188	EA	2" Ground Key Corporation Valve	281.38	53.84
33 14 19 00-0189		**Ball Curb Valves** *(33 14 19 00-0176)* Note: Mueller B-25204.		
33 14 19 00-0190	EA	3/4" Ball Curb Valve	102.83	25.12
33 14 19 00-0191	EA	1" Ball Curb Valve	136.04	31.10
33 14 19 00-0192	EA	1-1/2" Ball Curb Valve	253.37	45.47
33 14 19 00-0193	EA	2" Ball Curb Valve	372.89	53.84
33 14 19 00-0194		**O Ring Seal Curb Valves** *(33 14 19 00-0176)* Note: Mueller H-15204.		
33 14 19 00-0195	EA	3/4" O Ring Seal Curb Valve	102.83	25.12
33 14 19 00-0196	EA	1" O Ring Seal Curb Valve	143.28	31.10
33 14 19 00-0197	EA	1-1/4" O Ring Seal Curb Valve	190.74	38.29
33 14 19 00-0198	EA	1-1/2" O Ring Seal Curb Valve	253.37	45.47
33 14 19 00-0199	EA	2" O Ring Seal Curb Valve	372.81	53.84
33 14 19 00-0200		**Corporation Stops** *(33 14 19 00-0176)*		
33 14 19 00-0201	EA	1" Bronze Corporation Stop, Flare x MIP (Mueller B-24025N)	197.01	33.79
33 14 19 00-0202	EA	1-1/2" Bronze Corporation Stop, Flare x MIP (Mueller B-24025N)	417.45	49.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0203	EA	2" Bronze Corporation Stop, Flare x MIP (Mueller B-24025N)	651.77	58.48
33 14 19 00-0204	EA	1" Bronze Corporation Stop, Compression x MIP (Mueller B-25028N)	204.22	33.79
33 14 19 00-0205	EA	1-1/2" Bronze Corporation Stop, Compression x MIP (Mueller B-25028N)	413.76	49.38
33 14 19 00-0206	EA	2" Bronze Corporation Stop, Compression x MIP (Mueller B-25028N)	645.06	58.48
33 14 19 00-0207	EA	1" Bronze Corporation Stop, MIP x MIP (Mueller B-20013N)	203.17	33.79
33 14 19 00-0208	EA	1-1/2" Bronze Corporation Stop, MIP x MIP (Mueller B-22969N)	364.15	49.38
33 14 19 00-0209	EA	2" Bronze Corporation Stop, MIP x MIP (Mueller B-22969N)	576.75	58.48
33 14 19 00-0210		Gate Valve, AWWA C500 And C509 *(33 14 19 00-0009)*		
33 14 19 00-0211		Gate Valve, Flanged *(33 14 19 00-0210)*		
		Note: Mueller A-2380-6.		
33 14 19 00-0212	EA	2" Gate Valve, Flanged	1,103.64	159.49
33 14 19 00-0213	EA	2-1/2" Gate Valve, Flanged	1,297.24	173.48
33 14 19 00-0214	EA	3" Gate Valve, Flanged	1,535.87	203.40
33 14 19 00-0215	EA	4" Gate Valve, Flanged	1,941.52	254.84
33 14 19 00-0216	EA	6" Gate Valve, Flanged	2,454.39	430.72
33 14 19 00-0217	EA	8" Gate Valve, Flanged	3,674.74	550.37
33 14 19 00-0218	EA	10" Gate Valve, Flanged	5,590.64	670.01
33 14 19 00-0219	EA	12" Gate Valve, Flanged	6,743.74	502.51
33 14 19 00-0220	EA	14" Gate Valve, Flanged	15,071.00	1,092.38
33 14 19 00-0221	EA	16" Gate Valve, Flanged	19,816.64	1,201.62
33 14 19 00-0222	EA	18" Gate Valve, Flanged	31,643.73	1,332.70
33 14 19 00-0223	EA	20" Gate Valve, Flanged	37,881.53	1,502.02
33 14 19 00-0224		Resilient Wedge Gate Valve, Flanged *(33 14 19 00-0210)*		
		Note: Mueller A-2360-6.		
33 14 19 00-0225	EA	2" Resilient Wedge Gate Valve, Flanged	1,052.49	159.49
33 14 19 00-0226	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,236.12	173.48
33 14 19 00-0227	EA	3" Resilient Wedge Gate Valve, Flanged	1,463.35	203.40
33 14 19 00-0228	EA	4" Resilient Wedge Gate Valve, Flanged	1,860.45	254.84
33 14 19 00-0229	EA	6" Resilient Wedge Gate Valve, Flanged	2,346.02	430.72
33 14 19 00-0230	EA	8" Resilient Wedge Gate Valve, Flanged	3,505.46	550.37
33 14 19 00-0231	EA	10" Resilient Wedge Gate Valve, Flanged	5,321.62	670.01
33 14 19 00-0232	EA	12" Resilient Wedge Gate Valve, Flanged	6,418.93	502.51
33 14 19 00-0233		Gate Valve, Mechanical Joint *(33 14 19 00-0210)*		
		Note: Mueller A-2380-20.		
33 14 19 00-0234	EA	2" Gate Valve, Mechanical Joint	1,286.47	127.42
33 14 19 00-0235	EA	2-1/2" Gate Valve, Mechanical Joint	1,378.34	159.72
33 14 19 00-0236	EA	3" Gate Valve, Mechanical Joint	1,737.16	193.23
33 14 19 00-0237	EA	4" Gate Valve, Mechanical Joint	2,054.70	254.84
33 14 19 00-0238	EA	6" Gate Valve, Mechanical Joint	2,598.17	299.11
33 14 19 00-0239	EA	8" Gate Valve, Mechanical Joint	3,829.22	358.94
33 14 19 00-0240	EA	10" Gate Valve, Mechanical Joint	5,672.72	418.76
33 14 19 00-0241	EA	12" Gate Valve, Mechanical Joint	7,116.53	502.51
33 14 19 00-0242	EA	14" Gate Valve, Mechanical Joint	16,060.43	669.08
33 14 19 00-0243	EA	16" Gate Valve, Mechanical Joint	20,858.23	751.01
33 14 19 00-0244	EA	18" Gate Valve, Mechanical Joint	33,506.62	832.94
33 14 19 00-0245	EA	20" Gate Valve, Mechanical Joint	39,894.55	938.76
33 14 19 00-0246		Resilient Wedge Gate Valve, Mechanical Joint *(33 14 19 00-0210)*		
		Note: Mueller A-2360-20.		
33 14 19 00-0247	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,228.06	127.42
33 14 19 00-0248	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,660.70	193.23
33 14 19 00-0249	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,967.24	254.84
33 14 19 00-0250	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,484.98	299.11
33 14 19 00-0251	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,653.13	358.94
33 14 19 00-0252	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,399.05	418.76
33 14 19 00-0253	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,770.54	502.51
33 14 19 00-0254		Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint *(33 14 19 00-0210)*		
		Note: Mueller A-2361.		
33 14 19 00-0255	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,680.85	1,092.38
33 14 19 00-0256	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,608.59	1,201.62
33 14 19 00-0257	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,205.85	1,332.70
33 14 19 00-0258	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,746.97	1,502.02
33 14 19 00-0259	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,944.88	1,843.39
33 14 19 00-0260		Gate Valve, Threaded, WW-V-51 Class A, Type 1 *(33 14 19 00-0210)*		
		Note: NIBCO T-113.		
33 14 19 00-0261	EA	1/4" Diameter Threaded, Bronze, Gate Valve	64.75	20.92
33 14 19 00-0262	EA	3/8" Diameter Threaded, Bronze, Gate Valve	66.73	20.92
33 14 19 00-0263	EA	1/2" Diameter Threaded, Bronze, Gate Valve	66.28	20.92
33 14 19 00-0264	EA	3/4" Diameter Threaded, Bronze, Gate Valve	85.52	28.26
33 14 19 00-0265	EA	1" Diameter Threaded, Bronze, Gate Valve	105.36	34.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0266	EA	1-1/4" Diameter Threaded, Bronze, Gate Valve	142.77	43.27
33 14 19 00-0267	EA	1-1/2" Diameter Threaded, Bronze, Gate Valve	165.63	50.02
33 14 19 00-0268	EA	2" Diameter Threaded, Bronze, Gate Valve	200.75	58.48
33 14 19 00-0269	EA	2-1/2" Diameter Threaded, Bronze, Gate Valve	381.97	79.80
33 14 19 00-0270	EA	3" Diameter Threaded, Bronze, Gate Valve	457.35	91.53
33 14 19 00-0271		**Cast Iron Body, Gate Valve, Epoxy Lined, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0210)*		
		Note: Resilient Wedge, Non-rising Stem, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11 (Jenkins G-700, 701).		
33 14 19 00-0272	EA	2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	644.90	173.22
33 14 19 00-0273	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	666.84	173.48
33 14 19 00-0274	EA	3" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	752.70	203.40
33 14 19 00-0275	EA	4" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	968.26	340.99
33 14 19 00-0276	EA	5" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,198.42	366.02
33 14 19 00-0277	EA	6" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,463.26	406.70
33 14 19 00-0278	EA	8" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,155.36	519.67
33 14 19 00-0279	EA	10" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,041.13	632.64
33 14 19 00-0280	EA	12" Gate Valve, Cast Iron Body, Epoxy Lined, Epoxy Or Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,582.22	768.19
33 14 19 00-0281		**Cast Iron Body, Gate Valve, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem** *(33 14 19 00-0210)*		
		Note: Resilient Wedge, OS&Y, 200 PSI, ANSI/AWWA C509, C550 and C111/A21.11.		
33 14 19 00-0282	EA	2-1/2" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,040.96	173.48
33 14 19 00-0283	EA	3" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,159.81	203.40
33 14 19 00-0284	EA	4" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	1,618.97	340.99
33 14 19 00-0285	EA	6" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	2,443.43	406.70
33 14 19 00-0286	EA	8" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	3,918.76	519.67
33 14 19 00-0287	EA	10" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	5,976.79	632.64
33 14 19 00-0288	EA	12" Gate Valve, Cast Iron Body, Epoxy Coated With Rubber Coated Disc, Flanged, 200 Lb. With Non-Rising Stem	9,770.64	768.19
33 14 19 00-0289		**Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve** *(33 14 19 00-0210)*		
33 14 19 00-0290	EA	4", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	1,447.33	254.84
33 14 19 00-0291	EA	6", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	1,851.66	299.11
33 14 19 00-0292	EA	8", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	2,676.59	358.94
33 14 19 00-0293	EA	10", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	3,950.14	418.76
33 14 19 00-0294	EA	12", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	4,763.05	502.51
33 14 19 00-0295	EA	14", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	17,950.63	751.01
33 14 19 00-0296	EA	16", 250 PSI, Ductile Body With Epoxy Coated Interior, Resilient Wedge Gate Valve	19,521.67	1,201.62
33 14 19 00-0297		**Globe Valve, AWWA** *(33 14 19 00-0009)*		
33 14 19 00-0298		**Globe Valve, Threaded, WW-V-51 Class B, Type 1** *(33 14 19 00-0297)*		
		Note: NIBCO T-235.		
33 14 19 00-0299	EA	1/8" Diameter Threaded, Globe Valve	90.78	20.92
33 14 19 00-0300	EA	1/4" Diameter Threaded, Globe Valve	86.77	20.92
33 14 19 00-0301	EA	3/8" Diameter Threaded, Globe Valve	88.75	20.92
33 14 19 00-0302	EA	1/2" Diameter Threaded, Globe Valve	90.78	20.92
33 14 19 00-0303	EA	3/4" Diameter Threaded, Globe Valve	123.25	28.26
33 14 19 00-0304	EA	1" Diameter Threaded, Globe Valve	172.15	34.18
33 14 19 00-0305	EA	1-1/4" Diameter Threaded, Globe Valve	250.72	43.27
33 14 19 00-0306	EA	1-1/2" Diameter Threaded, Globe Valve	299.07	50.02
33 14 19 00-0307	EA	2" Diameter Threaded, Globe Valve	415.64	58.48
33 14 19 00-0308	EA	2-1/2" Diameter Threaded, Globe Valve	759.02	79.80
33 14 19 00-0309	EA	3" Diameter Threaded, Globe Valve	1,036.69	92.01
33 14 19 00-0310		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0009)*		
33 14 19 00-0311		**Tapping Valve, AWWA C500 And C509** *(33 14 19 00-0310)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0312	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,591.14	159.49
33 14 19 00-0313	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,050.99	203.40
33 14 19 00-0314	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,439.10	254.84
33 14 19 00-0315	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,214.75	430.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0316	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,649.91	550.37
33 14 19 00-0317	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,775.70	670.01
33 14 19 00-0318	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,080.64	502.51
33 14 19 00-0319	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,503.32	1,092.38
33 14 19 00-0320	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,451.18	1,201.62
33 14 19 00-0321	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,088.39	1,332.70
33 14 19 00-0322		Yokes And Angles *(33 14 19 00-0009)*		
33 14 19 00-0323		Yoke, Meter *(33 14 19 00-0322)*		
33 14 19 00-0324	EA	Yoke, Meter, 5/8"	59.42	19.49
33 14 19 00-0325	EA	Yoke, Meter, 3/4"	67.30	21.44
33 14 19 00-0326	EA	Yoke, Meter, 1"	87.84	24.69
33 14 19 00-0327		Angles And Ells *(33 14 19 00-0322)*		
33 14 19 00-0328	EA	1-1/2" Flanged Angle, ELL	142.36	13.64
33 14 19 00-0329	EA	ELL, Yoke, With Female I.P.T	43.64	11.69
33 14 19 00-0330		Air Release and Vacuum Combination Valves *(33 14 19 00-0009)*		
33 14 19 00-0331		Air Release and Vacuum Combination Valves, Ductile Iron Body (APCo or Crispin) *(33 14 19 00-0330)*		
33 14 19 00-0332	EA	1" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	874.21	25.12
33 14 19 00-0333	EA	1-1/2" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,103.72	34.70
33 14 19 00-0334	EA	2" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,332.04	43.67
33 14 19 00-0335	EA	2-1/2" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	1,776.33	59.82
33 14 19 00-0336	EA	3" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body	2,215.33	72.99
33 14 19 00-0337	EA	4" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body	3,380.80	199.33
33 14 19 00-0338	EA	6" Flanged, Air Release and Vacuum Combination Valves, Ductile Iron Body	4,260.40	216.13
33 14 19 00-0339		Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories, Ltd., D-040-C "Barak") *(33 14 19 00-0330)*		
33 14 19 00-0340	EA	1" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	444.70	25.12
33 14 19 00-0341	EA	1-1/2" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	737.32	34.70
33 14 19 00-0342	EA	2" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,028.75	43.07
33 14 19 00-0343	EA	2-1/2" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,503.11	59.82
33 14 19 00-0344	EA	3" Diameter Threaded, Air Release and Vacuum Combination Valves, Ductile Iron Body (A.R.I. Flow Control Accessories D-040-C "Barak")	1,971.53	72.99
33 14 19 00-0345		Pressure Reducing Valves *(33 14 19 00-0009)*		
33 14 19 00-0346		Pressure Reducing Valves, Ductile Iron Body (Cla-Val Model 100-42 700 Series Roll Seal) *(33 14 19 00-0345)*		
33 14 19 00-0347	EA	2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	2,912.54	127.42
33 14 19 00-0348	EA	2-1/2" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	3,349.98	159.72
33 14 19 00-0349	EA	3" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	3,789.80	191.43
33 14 19 00-0350	EA	4" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	6,065.84	254.84
33 14 19 00-0351	EA	6" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	9,099.59	299.11
33 14 19 00-0352	EA	8" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	15,537.40	358.94
33 14 19 00-0353	EA	10" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	29,155.92	418.76
33 14 19 00-0354	EA	12" Pressure Reducing Valves, Ductile Iron Body (Cal-Val Model 100-42 700 Series Roll Seal)	36,536.86	502.51
33 14 19 00-0355		Booster Pump Control Valves *(33 14 19 00-0009)*		
33 14 19 00-0356		Pump Control Valves, Ductile Iron Body (Cla-Val Model 60-08/660-08) *(33 14 19 00-0355)*		
33 14 19 00-0357	EA	2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	9,910.91	127.42
33 14 19 00-0358	EA	2-1/2" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	10,738.72	159.72
33 14 19 00-0359	EA	3" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	11,568.90	191.43
33 14 19 00-0360	EA	4" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	13,592.50	254.84
33 14 19 00-0361	EA	6" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	16,691.69	299.11
33 14 19 00-0362	EA	8" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	23,704.52	358.94
33 14 19 00-0363	EA	10" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	30,969.80	418.76
33 14 19 00-0364	EA	12" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	50,045.07	502.51
33 14 19 00-0365	EA	14" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	81,440.82	669.08
33 14 19 00-0366	EA	16" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	93,378.48	751.01
33 14 19 00-0367	EA	18" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	71,853.39	832.94
33 14 19 00-0368	EA	20" Pump Control Valves, Ductile Iron Body (Cal-Val Model 60-08/660-08)	73,815.41	938.76
33 14 19 00-0369		Water Service Meter Accessories *(33 14 19 00-0009)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0370	EA	Bronze Meter Flange With Gasket For 1-1/2" And 2" Meters (AY McDonald 610F)	196.20	33.79
33 14 19 00-0371	EA	3/4" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	212.49	27.29
33 14 19 00-0372	EA	1" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	318.31	33.79
33 14 19 00-0373	EA	1-1/2" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	497.86	49.38
33 14 19 00-0374	EA	2" Bronze Ball Valve, FIP x Meter Swivel, With Locking Tabs (A.Y. McDonald 76101W)	769.62	58.48
33 14 19 00-0375		Fire Hydrants *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0376		Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0375)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0377	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,753.40	316.31
33 14 19 00-0378	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,823.07	316.31
33 14 19 00-0379	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,892.93	316.31
33 14 19 00-0380	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,985.05	338.91
33 14 19 00-0381	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,054.79	338.91
33 14 19 00-0382	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,152.84	367.15
33 14 19 00-0383	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,222.48	367.15
33 14 19 00-0384	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,320.55	395.39
33 14 19 00-0385	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,390.29	395.39
33 14 19 00-0386	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,488.17	423.64
33 14 19 00-0387	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,586.13	451.88
33 14 19 00-0388	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,712.22	508.36
33 14 19 00-0389	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,816.98	316.31
33 14 19 00-0390	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,907.40	316.31
33 14 19 00-0391	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,997.60	316.31
33 14 19 00-0392	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,110.40	338.91
33 14 19 00-0393	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,200.60	338.91
33 14 19 00-0394	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,319.37	367.15
33 14 19 00-0395	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,409.46	367.15
33 14 19 00-0396	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,527.99	395.39
33 14 19 00-0397	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,618.16	395.39
33 14 19 00-0398	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,736.45	423.64
33 14 19 00-0399	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,855.12	451.88
33 14 19 00-0400	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	5,001.64	508.36
33 14 19 00-0401		Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0375)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0402	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,370.94	316.31
33 14 19 00-0403	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,440.37	316.31
33 14 19 00-0404	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,510.20	316.31
33 14 19 00-0405	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,602.61	338.91
33 14 19 00-0406	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,672.13	338.91
33 14 19 00-0407	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,770.03	367.15
33 14 19 00-0408	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,839.77	367.15
33 14 19 00-0409	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,937.91	395.39
33 14 19 00-0410	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,007.50	395.39
33 14 19 00-0411	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,105.76	423.64
33 14 19 00-0412	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,203.27	451.88
33 14 19 00-0413	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,329.52	508.36
33 14 19 00-0414	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,469.16	316.31
33 14 19 00-0415	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,559.38	316.31
33 14 19 00-0416	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,649.47	316.31
33 14 19 00-0417	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,762.49	338.91
33 14 19 00-0418	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,852.46	338.91
33 14 19 00-0419	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,971.08	367.15
33 14 19 00-0420	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,061.10	367.15
33 14 19 00-0421	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,179.92	395.39
33 14 19 00-0422	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,269.89	395.39
33 14 19 00-0423	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,388.50	423.64
33 14 19 00-0424	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,506.71	451.88
33 14 19 00-0425	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,653.73	508.36
33 14 19 00-0426		Three Way, Modern Model Fire Hydrant *(33 14 19 00-0375)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0427	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,916.01	316.31
33 14 19 00-0428	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	4,006.09	316.31
33 14 19 00-0429	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,096.45	316.31
33 14 19 00-0430	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,209.29	338.91
33 14 19 00-0431	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,299.44	338.91
33 14 19 00-0432	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,417.88	367.15
33 14 19 00-0433	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,508.15	367.15
33 14 19 00-0434	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,626.61	395.39
33 14 19 00-0435	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,716.79	395.39
33 14 19 00-0436	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,835.23	395.39
33 14 19 00-0437	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,953.94	451.88
33 14 19 00-0438	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,099.52	451.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0439		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0375)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0440	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,786.42	316.31
33 14 19 00-0441	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,854.97	316.31
33 14 19 00-0442	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,924.29	316.31
33 14 19 00-0443	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	3,014.64	338.91
33 14 19 00-0444	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,083.18	338.91
33 14 19 00-0445	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,179.95	367.15
33 14 19 00-0446	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,248.46	367.15
33 14 19 00-0447	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,345.32	395.39
33 14 19 00-0448	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,413.66	395.39
33 14 19 00-0449	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,510.46	423.64
33 14 19 00-0450	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,607.33	451.88
33 14 19 00-0451	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,731.49	508.36
33 14 19 00-0452		**Safetop Model With Breakable Section** *(33 14 19 00-0375)*		
		Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0453	EA	4" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,807.03	225.94
33 14 19 00-0454	EA	6" Safetop Model Fire Hydrant Breakable With 5' Burial Section	3,003.03	254.18
33 14 19 00-0455	EA	8" Safetop Model Fire Hydrant Breakable With 5' Burial Section	3,274.65	282.42
33 14 19 00-0456		**Fire Hydrant Extension Kits** *(33 14 19 00-0375)*		
33 14 19 00-0457	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	581.46	28.24
33 14 19 00-0458	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	690.94	35.30
33 14 19 00-0459	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	753.77	42.37
33 14 19 00-0460	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	856.94	52.25
33 14 19 00-0461	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,293.06	54.37
33 14 19 00-0462	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,381.00	56.48
33 14 19 00-0463	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,402.08	59.31
33 14 19 00-0464	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,480.93	63.54
33 14 19 00-0465	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,632.93	76.26
33 14 19 00-0466	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,723.65	91.79
33 14 19 00-0467	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	646.81	31.64
33 14 19 00-0468	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	766.03	38.41
33 14 19 00-0469	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	879.09	46.31
33 14 19 00-0470	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	982.96	57.62
33 14 19 00-0471	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,345.18	59.88
33 14 19 00-0472	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,434.25	62.13
33 14 19 00-0473	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,495.62	65.53
33 14 19 00-0474	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,749.12	70.04
33 14 19 00-0475	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,917.23	83.60
33 14 19 00-0476	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,015.03	100.55
33 14 19 00-0477		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0375)*		
		Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0478	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	903.76	
33 14 19 00-0479	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,317.98	
33 14 19 00-0480	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,435.10	
33 14 19 00-0481		**Insertion Valves** *(33 14 19)*		
33 14 19 00-0482	EA	4" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzle, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	4,285.42	217.75
33 14 19 00-0483	EA	6" Diameter x 16" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzle, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	4,781.16	239.29
33 14 19 00-0484	EA	8" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzle, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	5,582.90	358.94
33 14 19 00-0485	EA	10" Diameter x 20" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzle, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	8,568.93	418.76
33 14 19 00-0486	EA	12" Diameter x 24" Length, 150 PSI, Stainless Steel Bolt-On Sleeve And Nozzle, Carbon Steel Flange, Insertion Valve (Hydra-Stop Insta-Valve Complete Fittings) Note: Bolt-On sleeve for cast/ductile iron, steel, A.C. or P.V.C. Pipe	10,413.18	508.50
33 14 19 00-0487		**Yard Hydrants** *(33 14 19)*		
		Note: With 3/4" hose thread outlet.		
33 14 19 00-0488	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	392.54	38.98
33 14 19 00-0489	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	421.38	38.98
33 14 19 00-0490	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	450.21	38.98
33 14 19 00-0491	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	364.11	49.38
33 14 19 00-0492	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	381.31	49.38
33 14 19 00-0493	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	398.50	49.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0494		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0495	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,758.43	81.22
33 14 19 00-0496	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,848.54	81.22
33 14 19 00-0497	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,938.65	81.22
33 14 19 00-0498		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0499	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	920.06	49.96
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)* Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0531 for Enclosures.		
33 14 23 00-0001		**Roadway Utility Box** *(33 14 23)*		
33 14 23 00-0002		**Utility Box** *(33 14 23 00-0001)* Note: Christy Concrete Products.		
33 14 23 00-0003		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	133.85	59.16
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	136.94	6.58
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	56.69	6.58
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	300.09	6.58
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	80.06	13.14
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	115.52	13.14
33 14 23 00-0010		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	162.08	78.88
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	160.41	7.88
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	62.88	7.88
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	314.85	6.58
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	89.81	13.14
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	120.11	19.72
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	141.30	36.15
33 14 23 00-0018		**B12 Utility Box, 12" x 20"** *(33 14 23 00-0002)*		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box	178.23	85.45
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	289.17	9.86
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	84.12	13.14
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	423.13	13.14
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	184.33	46.01
33 14 23 00-0024		**B16 Utility Box, 12" x 22-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box	205.10	99.91
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	326.58	13.14
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	104.23	13.14
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	425.53	13.14
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	146.04	22.35
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	187.67	46.01
33 14 23 00-0031		**B30 Utility Box, 13-1/4" x 24"** *(33 14 23 00-0002)*		
33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	247.15	118.31
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	140.11	21.04
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	525.99	17.09
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	146.04	22.35
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	223.51	36.81
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	174.87	24.97
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	243.22	59.16
33 14 23 00-0039		**B36 Utility Box, 17-1/4" x 30"** *(33 14 23 00-0002)*		
33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	323.20	149.87
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	228.14	36.15
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	659.06	24.97
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	204.34	47.33
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	348.10	52.58
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	324.98	76.25
33 14 23 00-0046		**B40 Utility Box, 24-1/2" x 36"** *(33 14 23 00-0002)*		
33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box	672.03	231.38
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	625.33	86.76
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	935.90	38.12
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	510.40	81.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	541.61	85.45
33 14 23 00-0052		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	847.64	262.92
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	859.97	143.29
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,087.46	143.29
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,481.20	65.73
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	736.77	177.47
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	668.23	119.63
33 14 23 00-0059		**B65 Utility Box, 15" x 26-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0060	EA	15" x 26-1/2" Precast Concrete Utility Box	218.03	149.87
33 14 23 00-0061	EA	Reinforced Concrete Lid For 15" x 26-1/2" Utility Box	132.79	36.15
33 14 23 00-0062	EA	Steel Checkered Plate Cover For 15" x 26-1/2" Utility Box	400.15	24.97
33 14 23 00-0063	EA	20" x 34" Reinforced Concrete Slab For 15" x 26-1/2" Utility Box	204.34	47.33
33 14 23 00-0064	EA	6" High Reinforced Concrete Base For 15" x 26-1/2" Utility Box	348.10	52.58
33 14 23 00-0065	EA	12" High Reinforced Concrete Extension For 15" x 26-1/2" Utility Box	234.93	76.25
33 14 23 00-0066		**Roadway Or Curb Valve Boxes** *(33 14 23)*		
33 14 23 00-0067		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0066)*		
33 14 23 00-0068	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	249.31	15.79
33 14 23 00-0069	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	289.50	15.79
33 14 23 00-0070	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	291.35	15.79
33 14 23 00-0071	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	75.10	7.90
33 14 23 00-0072	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	85.74	7.90
33 14 23 00-0073	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	101.75	7.90
33 14 23 00-0074	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	375.72	19.74
33 14 23 00-0075	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	650.42	27.64
33 14 23 00-0076	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	725.40	27.64
33 14 23 00-0077	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	390.59	19.74
33 14 23 00-0078	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	408.50	19.74
33 14 23 00-0079	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	394.82	19.74
33 14 23 00-0080	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	143.14	7.90
33 14 23 00-0081	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	241.29	32.49
33 14 23 00-0082	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	249.42	33.79
33 14 23 00-0083	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	277.62	35.08
33 14 23 00-0084	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	380.69	37.04
33 14 23 00-0085	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	458.83	38.98
33 14 23 00-0086	EA	18" Cast Iron Service Box Extension Section	107.39	
33 14 23 00-0087		**Curb Box Components** *(33 14 23 00-0066)*		
33 14 23 00-0088	EA	Curb Box Bolt	12.10	
33 14 23 00-0089	EA	Curb Box Cover	17.82	
33 14 23 00-0090	EA	Curb Box Foot Piece	12.83	
33 14 23 00-0091	EA	Curb Box Guide Ring	10.97	
33 14 23 00-0092	EA	Curb Box Rod	53.81	
33 14 23 00-0093	EA	Curb Box Top Section	74.89	
33 14 23 00-0094	EA	Curb Box Bottom Section	78.83	
33 14 23 00-0095	EA	Curb Box Pin, Secures Rod To Curb Box	10.95	
33 14 23 00-0096		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0066)*		
33 14 23 00-0097	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	330.82	45.48
33 14 23 00-0098	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	248.68	32.49
33 14 23 00-0099	EA	Cast Iron Lid For Plastic Meter Box	73.93	
33 14 23 00-0100		**Valve Box Components** *(33 14 23 00-0066)*		
33 14 23 00-0101	EA	Valve Box Upper And Lower Section	151.56	
33 14 23 00-0102	EA	Valve Box Cover "Water"	24.90	
33 14 23 00-0103	EA	Valve Box Lower Section, 4-1/2" x 6" Cutout	118.82	
33 14 23 00-0104	EA	Valve Box Top Section	60.77	
33 14 23 00-0105	EA	Valve Box Extension, 17"	72.15	
33 14 23 00-0106	EA	Meter, Cover, Single, Remote Sensor	48.50	
33 14 23 00-0107	EA	Meter, Frame, Double, 15" Diameter	96.77	
33 14 23 00-0108	EA	Meter, Frame, Double, 18" Diameter	94.57	
33 14 23 00-0109	EA	Meter, Frame, Double, 21" Diameter	210.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0110	EA	Extension Ring, 18" Meter Frame, 24" Pit	186.41	
33 14 23 00-0111	EA	Meter, Housing, Concrete Or Clay, 21" Diameter	299.97	
33 14 23 00-0112	EA	Meter, Housing, Clay, 24" Diameter	502.97	
33 14 23 00-0113	EA	Meter, Housing, PE, 18" Diameter	140.44	
33 14 23 00-0114	EA	Meter, Housing, PE, 24" Diameter	226.81	
33 14 23 00-0115		Removal And Reinstallation Of Meter *(33 14 23 00-0066)*		
		Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.		
33 14 23 00-0116	EA	Removal And Reinstallation Of House Meter	200.90	
		Note: Includes removal, cleaning, capping ends, protection of meter, storage, and reinstallation.		
33 14 23 00-0117		Service Meter Boxes (Brooks) *(33 14 23)*		
33 14 23 00-0118	EA	12" x 20", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks #37-1 PC)	197.61	57.50
33 14 23 00-0119	EA	12" x 20", Precast Service Meter Box, Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks #37-S)	154.77	11.50
33 14 23 00-0120	EA	12" x 20", Precast Service Meter Box With Cast Iron Hinged Cover, Exposed To Traffic (Brooks #37-H4S)	160.16	11.50
33 14 23 00-0121	EA	17" x 30", Precast Service Meter Box With Concrete Cover, Exposed To Traffic (Brooks 66-1 PC)	366.23	86.26
33 14 23 00-0122	EA	17" x 30", Precast Service Meter Box With Concrete Cover With Cast Iron Reading Lid, Exposed To Traffic (Brooks 66-S)	325.96	14.38
33 14 23 00-0123		Polyethylene Above Ground Enclosure *(33 14 23)*		
33 14 23 00-0124	EA	14" x 24" Polyethylene Above Ground Enclosure For 2" Air/Vacuum Valve	934.89	107.68
33 14 23 00-0125	EA	18" x 30" Polyethylene Above Ground Enclosure For 4" Air/Vacuum Valve	1,094.54	143.58
33 14 23 00-0126	EA	24" x 36" Polyethylene Above Ground Enclosure For 6" To 8" Air/Vacuum Valve	1,322.10	172.29
33 14 23 00-0127		Service Meter Boxes (Armorcast) *(33 14 23)*		
		Note: Water meter boxes shall be polymer, rectangular in shape, with rounded corners and beveled edges throughout with a slot provided in the bottom of each end of the box for the water service pipe and the house lateral. Boxes shall have a polymer cover with AMR slot. Meter boxes are likely to be subjected to traffic loads, traffic rated boxes and covers shall have AASHTO load Traffic ratings of 20K.		
33 14 23 00-0128	EA	13" x 24" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001946PCX12)	257.78	
33 14 23 00-0129	EA	17" x 30" x 12" Polymer Concrete Meter Box (ARMORCAST - #A6001640PCX12)	274.19	
33 14 23 00-0130	EA	13" x 24" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001866R-H9)	96.84	
33 14 23 00-0131	EA	13" x 24" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001866R)	100.28	
33 14 23 00-0132	EA	17" x 30" Polymer Concrete Meter Box Cover With AMR Slot And Hinged Reading Lid (ARMORCAST - #A6001643R-H9)	128.02	
33 14 23 00-0133	EA	17" x 30" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6001643R)	131.97	
33 14 23 00-0134	EA	12" x 20" Polymer Concrete Meter Box Cover With Hinged Reading Lid (ARMORCAST - #A6000484R)	69.77	
33 14 23 00-0135	EA	12" x 20" Polymer Concrete Meter Box Cover Only With No Hinged Reading Lid (ARMORCAST - #A6000482)	44.65	
33 14 23 00-0136		Roadway Valve Box Cover Adjustment *(33 14 23)*		
		Note: Excludes asphalt See CSI section 02 41 13 13-0038 for breakup and removal of pavement, 02 41 19 13-0057 for saw cutting pavement if required, 32 12 16 13-0023 for hand placed hot mix asphalt.		
33 14 23 00-0137	EA	Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover	336.47	
33 14 23 00-0138		Roadway Utility Box Cover Adjustment *(33 14 23)*		
		Note: Excludes asphalt See CSI section 02 41 13 13-0038 for breakup and removal of pavement, 02 41 19 13-0057 for saw cutting pavement if required, 32 12 16 13-0023 for hand placed hot mix asphalt.		
33 14 23 00-0139	EA	Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover	665.08	
33 14 23 00-0140	EA	Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover	849.19	
33 14 23 00-0141	EA	Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover	1,213.62	
33 14 23 00-0142	EA	Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover	1,479.65	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001		Bronze Disk Type Water Service Meters *(33 19 13 23)*		
33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	336.51	67.57
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	422.90	80.56
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	567.64	92.26
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,103.68	137.74
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,495.32	179.32
33 19 13 23-0007		Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max. (Neptune T10 E-Coder/R900i)	616.22	67.57
		For Owner Furnished Material, Deduct	*-547.83*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	702.66	80.56
		For Owner Furnished Material, Deduct	*-621.44*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,046.36	92.26
		For Owner Furnished Material, Deduct	*-953.54*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	1,770.88	137.74
		For Owner Furnished Material, Deduct	*-1,632.65*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed, 150 PSI Max.(Neptune T10 E-Coder/R900i)	2,192.36	179.32
		For Owner Furnished Material, Deduct	*-2,011.89*	
33 19 13 23-0013	EA	Electronic Transmitter	499.36	32.49
		Note: For use with transmitting meter valve.		
		For Owner Furnished Material, Deduct	*-466.87*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 13 Single-Jet Water Meters *(33 19 16)*

33 19 16 13-0001 Small/Large Spectrum Water Service Meter *(33 19 16 13)*

Note: Metron-Farnier.

33 19 16 13-0002	EA	1-1/2" Diameter, 0 - 100 GPM, Flanged, Spectrum Water Meter	1,941.97	136.44
		Note: Metron-Farnier #Spectrum 50.		
33 19 16 13-0003	EA	2" Diameter, 0 - 125 GPM, Flanged, Spectrum Water Meter	2,782.55	173.22
		Note: Metron-Farnier #Spectrum 88.		
33 19 16 13-0004	EA	2" Diameter, 0 - 185 GPM, Flanged, Spectrum Water Meter	3,359.76	173.22
		Note: Metron-Farnier #Spectrum 130.		
33 19 16 13-0005	EA	3" Diameter, 0 - 320 GPM, Flanged, Spectrum Water Meter	4,518.10	203.40
		Note: Metron-Farnier #Spectrum 175.		
33 19 16 13-0006	EA	3" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	4,693.89	203.40
		Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0007	EA	4" Diameter, 0 - 520 GPM, Flanged, Spectrum Water Meter	6,553.95	318.26
		Note: Metron-Farnier #Spectrum 260.		
33 19 16 13-0008	EA	4" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	10,791.23	318.26
		Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0009	EA	6" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	13,543.22	430.72
		Note: Metron-Farnier #Spectrum 440.		
33 19 16 13-0010	EA	8" Diameter, 0 - 750 GPM, Flanged, Spectrum Water Meter	16,834.14	550.37
		Note: Metron-Farnier #Spectrum 440.		

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001 Flanged Turbine Water Service Meter *(33 19 16 23)*

33 19 16 23-0002 Vertical Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,323.51	125.63
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,861.59	159.49
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,449.87	203.40
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,142.17	318.26
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,775.12	430.72

33 19 16 23-0008 Horizontal Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,100.90	125.63
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,971.41	159.49
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,894.82	203.40
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,730.33	318.26
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,918.05	430.72
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,948.58	550.37
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,306.53	670.01
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,816.35	1,056.47

33 19 19 Compound Water Meters *(33 19)*

33 19 19 00-0001 Flanged Compound Type Water Service Meter *(33 19 19)*

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,636.02	159.49
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,815.15	203.40
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,274.34	318.26
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,774.31	430.72
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,565.27	550.37
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,887.68	670.01

33 19 23 Magnetic Water Meters *(33 19)*

33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*

33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	9,233.33	159.49
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	13,021.69	203.40
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,952.53	318.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 26		**Ultrasonic Water Meters** *(33 19)*		
33 19 26 00-0001		Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*		
33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,673.46	203.40
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,390.10	318.26
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,930.32	430.72
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,419.37	550.37

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001		Cast Iron Service Saddles With U Bolt *(33 31 11)*		
33 31 11 00-0002	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	132.59	
33 31 11 00-0003	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	133.30	
33 31 11 00-0004	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	146.73	
33 31 11 00-0005	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	141.97	
33 31 11 00-0006	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	160.21	
33 31 11 00-0007	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	180.21	
33 31 11 00-0008	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	213.47	
33 31 11 00-0009	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	180.65	
33 31 11 00-0010	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	197.47	
33 31 11 00-0011	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	227.79	
33 31 11 00-0012	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	185.98	
33 31 11 00-0013	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	145.94	
33 31 11 00-0014	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	159.36	
33 31 11 00-0015	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	189.49	
33 31 11 00-0016	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	224.87	
33 31 11 00-0017	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	241.99	
33 31 11 00-0018		Plastic Sewer And Drain Piping *(33 31 11)* Note: Includes detectable tracer wire.		
33 31 11 00-0019		Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0018)*		
33 31 11 00-0020	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.14	4.52
33 31 11 00-0021	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.52	5.34
33 31 11 00-0022	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.79	6.46
33 31 11 00-0023	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.53	7.55
33 31 11 00-0024	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	32.26	8.78
33 31 11 00-0025	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	43.32	10.21
33 31 11 00-0026	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	59.37	10.56
33 31 11 00-0027	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	78.14	10.94
33 31 11 00-0028		Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0018)* Note: D-2729 PVC pipe.		
33 31 11 00-0029	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	14.27	6.46
33 31 11 00-0030	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.76	7.55
33 31 11 00-0031	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	20.82	8.78
33 31 11 00-0032		Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0018)*		
33 31 11 00-0033		Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbows *(33 31 11 00-0032)*		
33 31 11 00-0034	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	32.44	15.27
33 31 11 00-0035	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	41.65	19.74
33 31 11 00-0036	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	77.40	26.52
33 31 11 00-0037	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	125.62	30.65
33 31 11 00-0038	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	544.78	39.84
33 31 11 00-0039	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	911.09	53.61
33 31 11 00-0040	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	1,202.39	71.40
33 31 11 00-0041		Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbows *(33 31 11 00-0032)*		
33 31 11 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	34.64	15.27
33 31 11 00-0043	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	41.47	19.74
33 31 11 00-0044	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	74.10	26.52
33 31 11 00-0045	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	109.50	30.65
33 31 11 00-0046	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	503.74	39.84
33 31 11 00-0047	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	815.70	53.61
33 31 11 00-0048	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	921.79	71.40
33 31 11 00-0049	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	1,375.97	95.10
33 31 11 00-0050		Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweeps *(33 31 11 00-0032)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	59.18	15.04
33 31 11 00-0052	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	57.04	19.74
33 31 11 00-0053	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	116.98	26.52
33 31 11 00-0054	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	198.18	30.65
33 31 11 00-0055	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	404.63	39.84
33 31 11 00-0056	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	726.91	53.61
33 31 11 00-0057	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,199.09	71.40
33 31 11 00-0058	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,824.74	95.10
33 31 11 00-0059		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbows** *(33 31 11 00-0032)*		
33 31 11 00-0060	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	39.32	15.27
33 31 11 00-0061	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	46.24	19.74
33 31 11 00-0062	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	87.81	26.52
33 31 11 00-0063	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	134.93	30.65
33 31 11 00-0064	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	681.31	39.84
33 31 11 00-0065	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,109.84	53.61
33 31 11 00-0066	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,247.65	71.40
33 31 11 00-0067	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,267.37	95.10
33 31 11 00-0068		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducers** *(33 31 11 00-0032)*		
33 31 11 00-0069	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	45.24	17.42
33 31 11 00-0070	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	92.05	20.80
33 31 11 00-0071	EA	3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	85.37	22.94
33 31 11 00-0072	EA	4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	138.42	25.07
33 31 11 00-0073	EA	4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	148.06	28.44
33 31 11 00-0074	EA	6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	480.32	35.21
33 31 11 00-0075	EA	8" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,035.11	46.68
33 31 11 00-0076	EA	10" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	203.25	50.98
33 31 11 00-0077	EA	10" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	281.15	55.60
33 31 11 00-0078	EA	10" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	263.35	62.44
33 31 11 00-0079	EA	12" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,066.56	67.49
33 31 11 00-0080	EA	12" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,125.01	74.33
33 31 11 00-0081	EA	12" x 10" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,189.08	83.25
33 31 11 00-0082		**Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tees** *(33 31 11 00-0032)*		
33 31 11 00-0083	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	51.61	23.07
33 31 11 00-0084	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	69.06	29.85
33 31 11 00-0085	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	123.97	39.38
33 31 11 00-0086	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	196.97	48.90
33 31 11 00-0087	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	799.71	53.61
33 31 11 00-0088	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	1,037.08	71.40
33 31 11 00-0089		**Polyvinyl Chloride (PVC) Sewer And Drain, Wyes** *(33 31 11 00-0032)*		
33 31 11 00-0090	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	68.65	23.07
33 31 11 00-0091	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	78.95	29.85
33 31 11 00-0092	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	136.61	39.38
33 31 11 00-0093	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	217.67	48.90
33 31 11 00-0094	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	722.02	53.61
33 31 11 00-0095	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	889.51	71.40
33 31 11 00-0096	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,169.49	95.28
33 31 11 00-0097	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,858.24	127.16
33 31 11 00-0098		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wyes** *(33 31 11 00-0032)*		
33 31 11 00-0099	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	95.40	23.07
33 31 11 00-0100	EA	2" x 2" x 1" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	104.97	29.85
33 31 11 00-0101	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	119.02	39.38
33 31 11 00-0102	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	189.28	48.90
33 31 11 00-0103	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	208.70	48.90
33 31 11 00-0104	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	343.28	80.59
33 31 11 00-0105		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Wyes** *(33 31 11 00-0032)*		
33 31 11 00-0106	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	117.24	29.85
33 31 11 00-0107	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	152.37	39.38
33 31 11 00-0108	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	320.60	53.15
33 31 11 00-0109	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	584.91	64.29
33 31 11 00-0110	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	144.31	39.38
33 31 11 00-0111	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	259.04	53.15
33 31 11 00-0112	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	483.22	64.29
33 31 11 00-0113		**Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bends** *(33 31 11 00-0032)*		
33 31 11 00-0114	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	89.90	23.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0115	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	112.11	29.85
33 31 11 00-0116	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	236.28	39.38
33 31 11 00-0117	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	441.20	48.90
33 31 11 00-0118	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	184.30	29.85
33 31 11 00-0119	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	301.66	39.38
33 31 11 00-0120	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	210.71	39.38
33 31 11 00-0121	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	410.55	48.90
33 31 11 00-0122	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	438.58	48.90
33 31 11 00-0123		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bends** *(33 31 11 00-0032)*		
33 31 11 00-0124	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	133.73	29.85
33 31 11 00-0125	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	154.20	39.38
33 31 11 00-0126	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	244.93	53.15
33 31 11 00-0127	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	967.10	64.29
33 31 11 00-0128	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	3,267.68	71.17
33 31 11 00-0129		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tees With Plug** *(33 31 11 00-0032)*		
33 31 11 00-0130	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	722.61	122.45
33 31 11 00-0131	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	1,802.90	157.98
33 31 11 00-0132	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,283.72	222.61
33 31 11 00-0133	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	3,123.24	358.10
33 31 11 00-0134		**Polyvinyl Chloride (PVC) Sewer And Drain, Couplings** *(33 31 11 00-0032)*		
33 31 11 00-0135	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	31.27	15.27
33 31 11 00-0136	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	38.73	19.63
33 31 11 00-0137	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	63.37	26.29
33 31 11 00-0138	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	85.17	30.65
33 31 11 00-0139	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	276.39	39.84
33 31 11 00-0140	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	706.05	53.61
33 31 11 00-0141	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,076.73	71.40
33 31 11 00-0142	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,794.42	95.10
33 31 11 00-0143		**Polyvinyl Chloride (PVC) Sewer And Drain, Adapters** *(33 31 11 00-0032)*		
33 31 11 00-0144	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Male Threaded Iron Adapter Fitting	147.35	83.99
33 31 11 00-0145	EA	2" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	103.01	63.89
33 31 11 00-0146	EA	2" x 3" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	106.13	63.89
33 31 11 00-0147	EA	3" x 4" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	114.42	63.89
33 31 11 00-0148	EA	4" Cast Iron Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Hub Pipe Adapter Fitting	149.63	83.99
33 31 11 00-0149	EA	4" Clay Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	142.99	83.99
33 31 11 00-0150	EA	4" Fiberglass Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	132.10	83.99
33 31 11 00-0151	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Drain Grate Fitting	72.86	43.19
33 31 11 00-0152		**Polyvinyl Chloride (PVC) Sewer And Drain, Caps** *(33 31 11 00-0032)*		
33 31 11 00-0153	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	43.64	16.41
33 31 11 00-0154	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	73.73	20.44
33 31 11 00-0155	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	142.66	26.41
33 31 11 00-0156		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanouts With Plug** *(33 31 11 00-0032)*		
33 31 11 00-0157	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	26.69	15.27
33 31 11 00-0158	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	34.78	19.74
33 31 11 00-0159	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	52.16	26.52
33 31 11 00-0160	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	69.61	30.65
33 31 11 00-0161	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	122.33	39.84
33 31 11 00-0162	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	483.00	53.61
33 31 11 00-0163		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0018)* Note: ASTM 3034.		
33 31 11 00-0164	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.09	7.55
33 31 11 00-0165	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	23.25	8.78
33 31 11 00-0166	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	30.09	10.21
33 31 11 00-0167	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	35.66	10.56
33 31 11 00-0168	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	42.35	10.94
33 31 11 00-0169	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	53.36	11.32
33 31 11 00-0170	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	65.93	11.73
33 31 11 00-0171	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	84.04	12.74
33 31 11 00-0172	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	100.83	13.74
33 31 11 00-0173	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	124.75	16.13
33 31 11 00-0174		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0018)* Note: ASTM 3034.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0175	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	18.21	7.55
33 31 11 00-0176	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	23.78	8.78
33 31 11 00-0177	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	31.29	10.21
33 31 11 00-0178		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0018)*		
		Note: ASTM 3034.		
33 31 11 00-0179		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0178)*		
33 31 11 00-0180	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	90.41	28.03
33 31 11 00-0181	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	134.68	32.60
33 31 11 00-0182	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	284.17	36.94
33 31 11 00-0183	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	819.97	43.46
33 31 11 00-0184	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	1,059.64	55.41
33 31 11 00-0185		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0178)*		
33 31 11 00-0186	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	81.43	28.03
33 31 11 00-0187	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	124.78	32.60
33 31 11 00-0188	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	259.13	36.94
33 31 11 00-0189	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	584.26	43.46
33 31 11 00-0190	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	835.52	55.41
33 31 11 00-0191	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	1,794.49	78.22
33 31 11 00-0192	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	2,848.21	110.82
33 31 11 00-0193	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	4,755.35	146.67
33 31 11 00-0194	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	6,484.35	195.56
33 31 11 00-0195		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tees** *(33 31 11 00-0178)*		
33 31 11 00-0196	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	136.88	42.05
33 31 11 00-0197	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	222.28	46.61
33 31 11 00-0198	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	250.11	48.89
33 31 11 00-0199	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	276.35	51.17
33 31 11 00-0200	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	316.94	53.45
33 31 11 00-0201	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	611.34	55.73
33 31 11 00-0202	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	784.31	57.04
33 31 11 00-0203	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	889.40	59.76
33 31 11 00-0204	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,315.71	62.03
33 31 11 00-0205	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,716.33	65.19
33 31 11 00-0206	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	965.12	69.43
33 31 11 00-0207	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,024.76	71.71
33 31 11 00-0208	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,464.86	73.99
33 31 11 00-0209	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,115.68	77.14
33 31 11 00-0210	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,384.59	83.11
33 31 11 00-0211		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Wyes** *(33 31 11 00-0178)*		
33 31 11 00-0212	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	129.91	42.05
33 31 11 00-0213	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	199.06	46.61
33 31 11 00-0214	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	218.92	48.89
33 31 11 00-0215	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	266.39	51.17
33 31 11 00-0216	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	305.06	53.45
33 31 11 00-0217	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	469.44	55.73
33 31 11 00-0218	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	716.92	57.48
33 31 11 00-0219	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	731.21	59.76
33 31 11 00-0220	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,102.73	62.03
33 31 11 00-0221	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,220.54	65.19
33 31 11 00-0222	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	908.91	69.43
33 31 11 00-0223	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	937.43	71.71
33 31 11 00-0224	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,345.17	73.99
33 31 11 00-0225	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,622.02	77.14
33 31 11 00-0226	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,693.34	83.11
33 31 11 00-0227	EA	15" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,087.11	99.96
33 31 11 00-0228	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,315.98	105.93
33 31 11 00-0229	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,897.00	117.34
33 31 11 00-0230		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Couplings** *(33 31 11 00-0178)*		
33 31 11 00-0231	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	89.62	28.03
33 31 11 00-0232	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	139.97	32.60
33 31 11 00-0233	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	207.40	37.15
33 31 11 00-0234	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	395.31	43.46
33 31 11 00-0235	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	561.47	55.41
33 31 11 00-0236	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,100.96	78.22
33 31 11 00-0237	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	2,074.08	110.82
33 31 11 00-0238	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	3,464.42	146.67
33 31 11 00-0239	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	5,016.71	195.56
33 31 11 00-0240		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Increasers** *(33 31 11 00-0178)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0241	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	173.63	30.32
33 31 11 00-0242	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	249.78	32.60
33 31 11 00-0243	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	263.36	34.87
33 31 11 00-0244	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	596.95	38.02
33 31 11 00-0245	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	686.39	40.31
33 31 11 00-0246	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	767.03	44.00
33 31 11 00-0247	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	880.72	46.28
33 31 11 00-0248	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,010.18	49.44
33 31 11 00-0249	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,521.58	66.81
33 31 11 00-0250		**SDR 35 Polyvinyl Chloride (PVC), Saddle Wyes With Stainless Steel Clamps** *(33 31 11 00-0178)*		
33 31 11 00-0251	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	142.99	
33 31 11 00-0252	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	189.24	
33 31 11 00-0253	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	193.54	
33 31 11 00-0254	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	322.05	
33 31 11 00-0255	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	340.05	
33 31 11 00-0256	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	649.79	
33 31 11 00-0257	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	366.52	
33 31 11 00-0258	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	400.27	
33 31 11 00-0259	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	900.33	
33 31 11 00-0260	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	1,062.84	
33 31 11 00-0261	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	419.29	
33 31 11 00-0262	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	448.74	
33 31 11 00-0263		**SDR 35 Polyvinyl Chloride (PVC), Saddle Tees With Stainless Steel Clamps** *(33 31 11 00-0178)*		
33 31 11 00-0264	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	153.07	
33 31 11 00-0265	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	189.24	
33 31 11 00-0266	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	207.26	
33 31 11 00-0267	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	295.34	
33 31 11 00-0268	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	337.90	
33 31 11 00-0269	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	515.35	
33 31 11 00-0270	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	364.38	
33 31 11 00-0271	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	398.23	
33 31 11 00-0272	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	599.32	
33 31 11 00-0273	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	730.56	
33 31 11 00-0274	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	417.96	
33 31 11 00-0275	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	438.76	
33 31 11 00-0276	EA	15" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	736.09	
33 31 11 00-0277	EA	15" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	815.28	
33 31 11 00-0278	EA	15" x 12" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	1,155.67	
33 31 11 00-0279		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Caps** *(33 31 11 00-0178)*		
33 31 11 00-0280	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	45.24	
33 31 11 00-0281	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	69.16	
33 31 11 00-0282	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	145.97	
33 31 11 00-0283	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	392.65	
33 31 11 00-0284	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Cap	576.24	
33 31 11 00-0285		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings** *(33 31 11 00-0018)* Note: ASTM F949.		
33 31 11 00-0286		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0285)*		
33 31 11 00-0287	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	17.27	7.55
33 31 11 00-0288	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	23.07	8.78
33 31 11 00-0289	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	28.69	10.21
33 31 11 00-0290	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	33.05	10.56
33 31 11 00-0291	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	34.84	10.94
33 31 11 00-0292	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	40.04	11.32
33 31 11 00-0293	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	49.40	11.73
33 31 11 00-0294	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	57.07	12.74
33 31 11 00-0295	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	68.81	13.74
33 31 11 00-0296	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	98.04	18.51
33 31 11 00-0297		**Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0285)*		
33 31 11 00-0298	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	56.99	
33 31 11 00-0299	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	75.94	
33 31 11 00-0300	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	103.80	
33 31 11 00-0301	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	171.15	
33 31 11 00-0302	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	185.79	
33 31 11 00-0303	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	303.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0304	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	474.82	
33 31 11 00-0305	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	664.12	
33 31 11 00-0306	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	853.38	
33 31 11 00-0307	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	1,119.64	

33 31 11 00-0308 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bends *(33 31 11 00-0285)*

33 31 11 00-0309	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	53.73	
33 31 11 00-0310	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	71.10	
33 31 11 00-0311	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	96.77	
33 31 11 00-0312	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	157.93	
33 31 11 00-0313	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	171.95	
33 31 11 00-0314	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	278.65	
33 31 11 00-0315	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	434.95	
33 31 11 00-0316	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	604.95	
33 31 11 00-0317	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	775.00	
33 31 11 00-0318	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	1,015.04	

33 31 11 00-0319 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bends *(33 31 11 00-0285)*

33 31 11 00-0320	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	48.83	
33 31 11 00-0321	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	60.90	
33 31 11 00-0322	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	91.56	
33 31 11 00-0323	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	115.55	
33 31 11 00-0324	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	157.25	
33 31 11 00-0325	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	252.66	
33 31 11 00-0326	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	366.62	
33 31 11 00-0327	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	544.40	
33 31 11 00-0328	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	722.21	
33 31 11 00-0329	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	1,012.54	

33 31 11 00-0330 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wyes *(33 31 11 00-0285)*

33 31 11 00-0331	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	88.37	
33 31 11 00-0332	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	113.10	
33 31 11 00-0333	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	193.32	
33 31 11 00-0334	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	304.27	
33 31 11 00-0335	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	495.64	
33 31 11 00-0336	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	704.53	
33 31 11 00-0337	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,018.89	
33 31 11 00-0338	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,168.51	
33 31 11 00-0339	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,318.08	
33 31 11 00-0340	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	2,359.15	

33 31 11 00-0341 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tees *(33 31 11 00-0285)*

33 31 11 00-0342	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	81.69	
33 31 11 00-0343	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	103.93	
33 31 11 00-0344	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	174.58	
33 31 11 00-0345	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	272.25	
33 31 11 00-0346	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	439.38	
33 31 11 00-0347	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	623.32	
33 31 11 00-0348	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	900.00	
33 31 11 00-0349	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,030.61	
33 31 11 00-0350	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,161.18	
33 31 11 00-0351	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	2,064.37	

33 31 11 00-0352 Couplings And Plug Fittings *(33 31 11)*

33 31 11 00-0353 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0352)*

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0354	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	21.88	7.88
33 31 11 00-0355	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	23.95	9.20
33 31 11 00-0356	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	27.65	10.51
33 31 11 00-0357	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	31.28	11.18
33 31 11 00-0358	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	38.11	11.83
33 31 11 00-0359	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	45.00	13.14
33 31 11 00-0360	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	56.94	14.46
33 31 11 00-0361	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	70.05	15.11
33 31 11 00-0362	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	114.74	15.78
33 31 11 00-0363	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	155.72	17.09
33 31 11 00-0364	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	298.75	17.74
33 31 11 00-0365	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	346.91	18.74
33 31 11 00-0366	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	384.22	19.72
33 31 11 00-0367	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	460.08	21.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 31 11 00-0368 Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0352)*

Note: For ductile iron to ductile iron. Includes stainless steel clamps.

33 31 11 00-0369	EA	4" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-44)	36.37	
33 31 11 00-0370	EA	5" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-54)	50.53	
33 31 11 00-0371	EA	5" x 5" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-55)	47.86	
33 31 11 00-0372	EA	6" x 4" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-64)	60.49	
33 31 11 00-0373	EA	6" x 5" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-65)	63.28	
33 31 11 00-0374	EA	6" x 6" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-66)	57.74	
33 31 11 00-0375	EA	8" x 6" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-86)	84.26	
33 31 11 00-0376	EA	8" x 8" Ductile Iron To Ductile, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-88)	76.01	
33 31 11 00-0377	EA	10" x 8" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-10-8)	104.81	
33 31 11 00-0378	EA	10" x 10" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1010)	95.23	
33 31 11 00-0379	EA	12" x 10" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1210)	125.69	
33 31 11 00-0380	EA	12" x 12" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1212)	110.05	
33 31 11 00-0381	EA	16" x 15" Ductile Iron To Ductile Iron, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling (Fernco 1055-1615)	175.14	

33 31 11 00-0382 Manhole Inside Bowl Drop *(33 31 11)*

33 31 11 00-0383	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	361.29	
33 31 11 00-0384	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	378.57	
33 31 11 00-0385	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	388.09	
33 31 11 00-0386	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	401.25	
33 31 11 00-0387	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	416.89	
33 31 11 00-0388	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	446.77	
33 31 11 00-0389	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	465.16	
33 31 11 00-0390	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	480.10	
33 31 11 00-0391	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	825.41	
33 31 11 00-0392	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	847.82	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 In-Line Sewage Grinder, Single Shaft Design *(33 32 16)*

33 32 16 00-0002	EA	In-Line Sewage Grinder, 4" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 4-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,054.12	1,532.53
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0003	EA	In-Line Sewage Grinder, 6" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 6-8000, 3 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,054.12	1,532.53
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0004	EA	In-Line Sewage Grinder, 8" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 8000, 5 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	15,054.12	1,532.53
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0005	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1000, 7-1/2 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	23,550.04	1,532.53
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0006	EA	In-Line Sewage Grinder, 10" Pipe Flanges, Single Shaft Design, Franklin Miller Super Shredder Series 1600, 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Totally Enclosed Explosion Proof Motor	31,631.52	1,532.53
		For NEMA 4X Controller, Add	*2,700.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*9,600.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
33 32 16 00-0007	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 8000	80,863.01	
33 32 16 00-0008	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1000	90,646.62	
33 32 16 00-0009	EA	Lower Housing Replacement, Including Casing, Liner, Cutter And Bearings. For Series 1600	321,580.35	

33 32 16 00-0010 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0011	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,265.20	390.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0012	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,234.50	390.10
33 32 16 00-0013	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,057.10	129.99
33 32 16 00-0014	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,627.59	129.99
33 32 16 00-0015	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	14,032.75	
33 32 16 00-0016		**Submersible Grinder Pumps** *(33 32 16)* Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0017	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,999.75	794.83
33 32 16 00-0018	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,916.50	927.29
33 32 16 00-0019	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,258.73	1,192.23
33 32 16 00-0020		**In-Line Sewage Grinder, Double Shaft Design** *(33 32 16)*		
33 32 16 00-0021	EA	4" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	15,293.31	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0022	EA	6" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	16,535.43	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0023	EA	8" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	17,013.81	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0024	EA	10" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	19,396.22	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0025	EA	12" Pipe Flanges, In-Line Sewage Grinder, 3 HP, Muffin Monster Series 30000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 29:1 reducer, and 12" high cutting cartridge.	21,244.60	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0026	EA	12" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	41,819.52	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0027	EA	16" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	47,986.31	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0028	EA	18" Pipe Flanges, In-Line Sewage Grinder, 10 HP, Muffin Monster Series 40000 Note: Double shaft design, 0-1200 GPM capacity, 230/460 volt, 3 phase, 60 Hz totally enclosed explosion-proof motor with 43:1 reducer, and 12" high cutting cartridge.	50,382.93	1,532.53
		For NEMA 4X Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*1,846.00*	
		For NEMA 7 Controller, Add *Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.*	*10,466.00*	
33 32 16 00-0029	EA	Up To 8" Cutter Cartridge Replacement For Series 30000	100,645.31	
33 32 16 00-0030	EA	10" To 12" Cutter Cartridge Replacement For Series 30000	161,718.40	
33 32 16 00-0031	EA	12" Cutter Cartridge Replacement For Series 40000	340,945.57	
33 32 16 00-0032	EA	16" Cutter Cartridge Replacement For Series 40000	403,007.74	
33 32 16 00-0033	EA	18" Cutter Cartridge Replacement For Series 40000	427,127.14	
33 32 16 00-0034		**Open Channel Sewage, Double Shaft Design** *(33 32 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0035	EA	Open Channel Sewage Grinder, Double Shaft Design, 40" High Cutter Cartridge, Muffin Monster Series 30000	27,800.96	1,532.53
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0036	EA	Open Channel Sewage Grinder, Double Shaft Design, 50" High Cutter Cartridge, Muffin Monster Series 30000	30,169.16	1,532.53
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0037	EA	Open Channel Sewage Grinder, Double Shaft Design, 60" High Cutter Cartridge, Muffin Monster Series 30000	32,537.36	1,532.53
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect	*3,701.00*	
33 32 16 00-0038	EA	Open Channel Sewage Grinder, Double Shaft Design, 18" High Cutter Cartridge, Muffin Monster Series 40000	38,980.05	1,532.53
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0039	EA	Open Channel Sewage Grinder, Double Shaft Design, 24" High Cutter Cartridge, Muffin Monster Series 40000	42,134.49	1,532.53
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0040	EA	Open Channel Sewage Grinder, Double Shaft Design, 32" High Cutter Cartridge, Muffin Monster Series 40000	45,153.94	1,532.53
		For NEMA 4X Controller, Add	*1,846.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For NEMA 7 Controller, Add	*10,466.00*	
		Note: Includes push to test lamp, ET meter door/window, CB disconnect and motor over temperature.		
		For Power Pack, 5HP, 230/460V, 3 Phase, 60 Hertz Hydraulic Drive With Quick Disconnect, Add	*5,182.00*	
		Note: With Quick Disconnect, Add		
33 32 16 00-0041	EA	For Cutter Cartridge Replacement For Series 30000, 40"	183,943.04	
33 32 16 00-0042	EA	For Cutter Cartridge Replacement For Series 30000, 50"	205,691.02	
33 32 16 00-0043	EA	For Cutter Cartridge Replacement For Series 30000, 60"	229,822.34	
33 32 16 00-0044	EA	For Cutter Cartridge Replacement For Series 40000, 18"	254,549.49	
33 32 16 00-0045	EA	For Cutter Cartridge Replacement For Series 40000, 24"	297,151.70	
33 32 16 00-0046	EA	For Cutter Cartridge Replacement For Series 40000, 32"	330,518.46	

33 32 16 00-0047 Monoflo TR Muncher *(33 32 16)*

Note: TR Muncher twin shaft sludge grinder, 3 HP TEXP motor, CI body, alloy steel cutter and spacers, 11 tooth cutters, 8mm thick, includes control panel monoflo priced separately.

33 32 16 00-0048	EA	CT203P Monoflo TR Muncher 4" Ports with 12" Throat	41,150.65	510.93
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0049	EA	CT203Q Monoflo TR Muncher 6" Ports with 12" Throat	41,150.65	510.93
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0050	EA	CT203R Monoflo TR Muncher 8" Ports with 12" Throat	41,806.58	510.93
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0051	EA	CT203S Monoflo TR Muncher 10" Ports with 12" Throat	47,972.27	510.93
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0052	EA	CT203T Monoflo TR Muncher 12" Ports with 12" Throat	51,251.90	510.93
		For 5 HP TEXP Motor, Add	*1,150.00*	
		For 5mm Thick Cutters, Add	*950.00*	
33 32 16 00-0053	EA	Monoflo TR Muncher Control Panel (MF-511)	9,176.05	127.73
33 32 16 00-0054	EA	Monoflo TR Muncher 12" Cutter Stack Rotating Assembly, spare part, material only	20,963.36	
		For 5mm Thick Cutters, Add	*725.00*	
33 32 16 00-0055	EA	Monoflo TR Muncher 20" Cutter Stack Rotating Assembly, spare part, material only	22,039.08	
		For 5mm Thick Cutters, Add	*950.00*	

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,417.22	794.83
		For Non-Traffic Rated, Deduct	*-860.28*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,313.76	877.36
		For Non-Traffic Rated, Deduct	*-1,059.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	6,175.53	959.75
		For Non-Traffic Rated, Deduct	*-1,249.30*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,939.55	1,043.21
		For Non-Traffic Rated, Deduct	*-1,665.61*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,447.30	1,440.62
		For Non-Traffic Rated, Deduct	*-1,921.17*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	25,243.61	1,987.06
		For Non-Traffic Rated, Deduct	*-5,701.54*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	45,945.30	2,980.59
		For Non-Traffic Rated, Deduct	*-10,574.88*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	51,462.47	4,172.83
		For Non-Traffic Rated, Deduct	*-11,596.11*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	63,110.35	4,992.56
		For Non-Traffic Rated, Deduct	*-14,254.18*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	74,555.70	6,184.79
		For Non-Traffic Rated, Deduct	*-16,734.66*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,930.48	596.12
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,801.73	794.83
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,687.36	720.38
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	11,200.72	779.86
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	14,057.60	1,080.96
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	22,301.54	1,490.29
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	33,098.60	2,235.44
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	45,440.05	3,129.62
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	55,764.55	3,740.57

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,388.79	239.29
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	2,146.71	269.21
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,988.62	329.03
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,067.24	358.94
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,556.65	388.85
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,271.62	418.76
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,012.04	299.11
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,282.04	358.94
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,862.74	388.85
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,540.12	418.76

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	1,012.69	116.58
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,423.19	165.59
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,895.77	198.71
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	3,086.72	331.18
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	4,503.61	463.65

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	386.26	84.39
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	449.56	101.27
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	786.72	118.15
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,554.26	202.54

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,184.81	102.50
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,450.23	139.78

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 High-Density Polyethylene (HDPE) Leaching Field Chambers *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	21.62	6.43
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	27.65	6.96
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	37.05	7.60
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	53.33	8.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 56		**Drainage Field Dosing Chambers** *(33 34)*		
33 34 56 00-0001		Dosing Siphon *(33 34 56)*		
33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,316.11	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,325.53	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,155.90	
33 40		**Stormwater Utilities** *(33)*		
33 41		**Subdrainage** *(33 40)*		
33 41 16		**Subdrainage Piping** *(33 41)*		
33 41 16 13		**Subdrainage Piping** *(33 41 16)*		
33 41 16 13-0001		Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*		
33 41 16 13-0002		Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)* Note: Excludes couplings and gaskets.		
33 41 16 13-0003		Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*		
33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.41	5.37
		For <100, Add	*1.13*	
		For >1,000, Deduct	*-0.59*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.09	5.76
		For <100, Add	*1.27*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.16	6.04
		For <100, Add	*1.41*	
		For >1,000, Deduct	*-0.81*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.83	6.23
		For <100, Add	*1.63*	
		For >1,000, Deduct	*-1.00*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.29	6.81
		For <100, Add	*1.84*	
		For >1,000, Deduct	*-1.16*	
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.49	7.68
		For <100, Add	*2.23*	
		For >1,000, Deduct	*-1.46*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	34.40	12.78
		For <100, Add	*3.64*	
		For >1,000, Deduct	*-2.36*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.80	14.04
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.09*	
33 41 16 13-0012		Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*		
33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.26	5.37
		For <100, Add	*1.12*	
		For >1,000, Deduct	*-0.58*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.02	5.76
		For <100, Add	*1.27*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	12.99	6.04
		For <100, Add	*1.56*	
		For >1,000, Deduct	*-0.95*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	15.32	6.23
		For <100, Add	*1.70*	
		For >1,000, Deduct	*-1.08*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.92	6.81
		For <100, Add	*1.92*	
		For >1,000, Deduct	*-1.24*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.31	7.68
		For <100, Add	*2.22*	
		For >1,000, Deduct	*-1.45*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	33.32	12.78
		For <100, Add	*3.58*	
		For >1,000, Deduct	*-2.31*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	46.09	14.04
		For <100, Add	*4.41*	
		For >1,000, Deduct	*-3.01*	
33 41 16 13-0021		Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 41 16 13-0001)* Note: Excludes couplings and gaskets.		
33 41 16 13-0022		Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE) *(33 41 16 13-0021)*		
33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	42.03	26.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	49.40	30.43
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	67.45	36.96
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	84.76	45.66
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	112.12	54.36
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	195.45	71.02
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	244.68	95.65
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	389.11	108.70
33 41 16 13-0031		**Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	42.47	26.09
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	50.82	30.43
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	82.35	36.96
33 41 16 13-0035		**45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	28.17	17.40
33 41 16 13-0037		**90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	28.62	17.40
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	34.77	20.29
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	46.03	24.64
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	58.59	30.43
33 41 16 13-0042		**Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729** *(33 41 16 13)*		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.18	4.45
		For <100, Add	*1.03*	
		For >1,000, Deduct	*-0.58*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.84	4.81
		For <100, Add	*1.11*	
		For >1,000, Deduct	*-0.63*	
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.99	5.77
		For <100, Add	*1.42*	
		For >1,000, Deduct	*-0.84*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.95	7.21
		For <100, Add	*1.93*	
		For >1,000, Deduct	*-1.21*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.99	7.51
		For <100, Add	*2.48*	
		For >1,000, Deduct	*-1.73*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	34.27	8.19
		For <100, Add	*2.94*	
		For >1,000, Deduct	*-2.12*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	47.05	9.23
		For <100, Add	*3.74*	
		For >1,000, Deduct	*-2.81*	
33 41 16 13-0050		**Perforated Non-Reinforced Concrete Drainage Piping, C444** *(33 41 16 13)*		
33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	38.06	13.65
		For Extra Strength, Add	*2.18*	
		For >1,000, Deduct	*-1.90*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	44.56	15.17
		For Extra Strength, Add	*2.69*	
		For >1,000, Deduct	*-2.23*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	50.46	16.68
		For Extra Strength, Add	*3.13*	
		For >1,000, Deduct	*-2.52*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	59.37	18.20
		For Extra Strength, Add	*3.92*	
		For >1,000, Deduct	*-2.97*	
33 41 16 13-0055		**Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)*		
		Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	31.30	13.65
		For >1,000, Deduct	*-1.57*	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	34.64	15.17
		For >1,000, Deduct	*-1.73*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	38.21	16.68
		For >1,000, Deduct	*-1.91*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	43.70	17.33
		For >1,000, Deduct	*-2.19*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	50.86	19.50
		For >1,000, Deduct	*-2.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	62.92	24.92
		For >1,000, Deduct	*-3.15*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	78.58	31.96
		For >1,000, Deduct	*-3.93*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	95.81	39.00
		For >1,000, Deduct	*-4.79*	
33 41 16 13-0064		**Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654** *(33 41 16 13)*		
33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	29.07	13.65
		For >1,000, Deduct	*-1.45*	
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	37.11	15.17
		For >1,000, Deduct	*-1.86*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	47.15	16.68
		For >1,000, Deduct	*-2.36*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	57.39	18.20
		For >1,000, Deduct	*-2.87*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	65.78	20.25
		For >1,000, Deduct	*-3.29*	
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	85.33	25.25
		For >1,000, Deduct	*-4.27*	
33 41 16 13-0071		**Perforated Vitrified Clay Drainage Piping, C700** *(33 41 16 13)*		
33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	28.97	15.17
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	34.73	17.07
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	39.91	17.07
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	53.74	20.85
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	64.11	22.75
33 41 16 13-0077		**Geotextile Filter Fabric Sock** *(33 41 16 13)*		
33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.89	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.17	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.78	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.39	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.59	
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.94	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.95	
33 41 16 13-0085		**Strip-Perforated, Galvanized, Corrugated Steel Pipe** *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	26.61	6.50
		For Full Perforated, Add	*1.36*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	33.70	7.88
		For Full Perforated, Add	*1.79*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	42.50	10.00
		For Full Perforated, Add	*2.25*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	47.17	11.82
		For Full Perforated, Add	*2.35*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	54.04	12.23
		For Full Perforated, Add	*2.96*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	61.08	12.68
		For Full Perforated, Add	*3.57*	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	69.86	13.68
		For Full Perforated, Add	*4.25*	
33 41 16 13-0093		**Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe** *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.80	6.50
		For Full Perforated, Add	*1.58*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	36.67	7.88
		For Full Perforated, Add	*2.09*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	46.12	10.00
		For Full Perforated, Add	*2.61*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	50.69	11.82
		For Full Perforated, Add	*2.71*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	58.39	12.23
		For Full Perforated, Add	*3.39*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	66.25	12.68
		For Full Perforated, Add	*4.09*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	75.88	13.68
		For Full Perforated, Add	*4.85*	
33 41 16 13-0101		**Strip-Perforated, Corrugated Aluminum Pipe** *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	29.51	6.50
		For Full Perforated, Add	*1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	37.58	7.88
		For Full Perforated, Add	*2.18*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	47.28	10.00
		For Full Perforated, Add	*2.73*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	59.38	11.82
		For Full Perforated, Add	*3.57*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	69.21	12.23
		For Full Perforated, Add	*4.47*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	79.36	12.68
		For Full Perforated, Add	*5.40*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	91.18	13.68
		For Full Perforated, Add	*6.38*	

33 41 16 13-0109 Prefabricated Composite Drains *(33 41 16 13)*

33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.

33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	12.10	2.51
		For External Typar Geotextile Wrap, Add	*2.23*	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.85	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	54.85	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	106.45	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	106.45	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	19.37	3.13
		For External Typar Geotextile Wrap, Add	*3.34*	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	81.34	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	81.34	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	139.93	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	139.93	

33 41 19 Underslab Drainage *(33 41)*

33 41 19 13 Underslab Drainage Piping *(33 41 19)*

33 41 19 13-0001 Capillary Water Barrier Underslab Drainage *(33 41 19 13)*

Note: Consists of a layer of fine granular material overlying a coarse layer.

33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	61.98
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	59.09
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	57.94
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	56.20

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	57.16	18.20
		For >1,000, Deduct	*-2.86*	
		For Class 4, Add	*2.96*	
		For Class 5, Add	*6.23*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	68.83	20.25
		For >1,000, Deduct	*-3.44*	
		For Class 4, Add	*3.79*	
		For Class 5, Add	*7.98*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	78.05	25.25
		For >1,000, Deduct	*-3.90*	
		For Class 4, Add	*3.99*	
		For Class 5, Add	*8.40*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	100.06	31.85
		For >1,000, Deduct	*-5.00*	
		For Class 4, Add	*5.18*	
		For Class 5, Add	*10.91*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	116.98	38.68
		For >1,000, Deduct	*-5.85*	
		For Class 4, Add	*5.86*	
		For Class 5, Add	*12.35*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	148.81	49.64
		For >1,000, Deduct	*-7.44*	
		For Class 4, Add	*7.40*	
		For Class 5, Add	*15.58*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	158.35	51.25
		For >1,000, Deduct	*-7.92*	
		For Class 4, Add	*8.01*	
		For Class 5, Add	*16.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	196.63	58.24
		For >1,000, Deduct	*-9.83*	
		For Class 4, Add	*10.86*	
		For Class 5, Add	*22.86*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	255.98	64.06
		For >1,000, Deduct	*-12.80*	
		For Class 4, Add	*15.71*	
		For Class 5, Add	*33.07*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	307.02	71.34
		For >1,000, Deduct	*-15.35*	
		For Class 4, Add	*19.49*	
		For Class 5, Add	*41.02*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	382.80	81.54
		For >1,000, Deduct	*-19.14*	
		For Class 4, Add	*25.30*	
		For Class 5, Add	*53.26*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	462.66	94.58
		For >1,000, Deduct	*-23.13*	
		For Class 4, Add	*31.12*	
		For Class 5, Add	*65.51*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	717.33	104.83
		For >1,000, Deduct	*-35.87*	
		For Class 4, Add	*53.98*	
		For Class 5, Add	*113.65*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	837.66	114.15
		For >1,000, Deduct	*-41.88*	
		For Class 4, Add	*64.09*	
		For Class 5, Add	*134.92*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,008.19	128.13
		For >1,000, Deduct	*-50.41*	
		For Class 4, Add	*78.35*	
		For Class 5, Add	*164.95*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,301.00	142.69
		For >1,000, Deduct	*-65.05*	
		For Class 4, Add	*104.23*	
		For Class 5, Add	*219.43*	

33 42 11 00-0019 HE-I Elliptical Reinforced Concrete Piping Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	LF	12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size)	91.96	28.96
		For >1,000, Deduct	*-4.60*	
		For Horizontal Elliptical - II (HE- II), Add	*5.06*	
		For Horizontal Elliptical - III (HE- III), Add	*11.13*	
		For Horizontal Elliptical - IV (HE- IV), Add	*24.28*	
33 42 11 00-0021	LF	14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size)	138.80	33.59
		For >1,000, Deduct	*-6.94*	
		For Horizontal Elliptical - II (HE- II), Add	*9.08*	
		For Horizontal Elliptical - III (HE- III), Add	*19.98*	
		For Horizontal Elliptical - IV (HE- IV), Add	*43.59*	
33 42 11 00-0022	LF	19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size)	192.31	51.44
		For >1,000, Deduct	*-9.62*	
		For Horizontal Elliptical - II (HE- II), Add	*11.88*	
		For Horizontal Elliptical - III (HE- III), Add	*26.14*	
		For Horizontal Elliptical - IV (HE- IV), Add	*57.03*	
33 42 11 00-0023	LF	22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size)	227.14	66.01
		For >1,000, Deduct	*-11.36*	
		For Horizontal Elliptical - II (HE- II), Add	*13.28*	
		For Horizontal Elliptical - III (HE- III), Add	*29.22*	
		For Horizontal Elliptical - IV (HE- IV), Add	*63.76*	
33 42 11 00-0024	LF	24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size)	241.21	68.97
		For >1,000, Deduct	*-12.06*	
		For Horizontal Elliptical - II (HE- II), Add	*14.27*	
		For Horizontal Elliptical - III (HE- III), Add	*31.39*	
		For Horizontal Elliptical - IV (HE- IV), Add	*68.49*	
33 42 11 00-0025	LF	27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size)	277.53	72.82
		For >1,000, Deduct	*-13.88*	
		For Horizontal Elliptical - II (HE- II), Add	*17.35*	
		For Horizontal Elliptical - III (HE- III), Add	*38.17*	
		For Horizontal Elliptical - IV (HE- IV), Add	*83.28*	
33 42 11 00-0026	LF	29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size)	313.85	76.67
		For >1,000, Deduct	*-15.69*	
		For Horizontal Elliptical - II (HE- II), Add	*20.43*	
		For Horizontal Elliptical - III (HE- III), Add	*44.95*	
		For Horizontal Elliptical - IV (HE- IV), Add	*98.07*	
33 42 11 00-0027	LF	34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size)	383.37	84.37
		For >1,000, Deduct	*-19.17*	
		For Horizontal Elliptical - II (HE- II), Add	*26.29*	
		For Horizontal Elliptical - III (HE- III), Add	*57.83*	
		For Horizontal Elliptical - IV (HE- IV), Add	*126.17*	
33 42 11 00-0028	LF	38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size)	462.58	94.88
		For >1,000, Deduct	*-23.13*	
		For Horizontal Elliptical - II (HE- II), Add	*32.70*	
		For Horizontal Elliptical - III (HE- III), Add	*71.94*	
		For Horizontal Elliptical - IV (HE- IV), Add	*156.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0029	LF	43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size)	526.53	108.45
		For >1,000, Deduct	*-26.33*	
		For Horizontal Elliptical - II (HE- II), Add	*37.16*	
		For Horizontal Elliptical - III (HE- III), Add	*81.75*	
		For Horizontal Elliptical - IV (HE- IV), Add	*178.37*	
33 42 11 00-0030	LF	48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size)	652.91	125.80
		For >1,000, Deduct	*-32.65*	
		For Horizontal Elliptical - II (HE- II), Add	*47.32*	
		For Horizontal Elliptical - III (HE- III), Add	*104.10*	
		For Horizontal Elliptical - IV (HE- IV), Add	*227.14*	
33 42 11 00-0031	LF	53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size)	745.67	138.61
33 42 11 00-0032	LF	58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size)	905.87	151.43
33 42 11 00-0033	LF	63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size)	1,083.16	171.22
33 42 11 00-0034	LF	68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size)	1,172.10	189.86
33 42 11 00-0035	LF	72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size)	1,505.42	199.18
33 42 11 00-0036	LF	77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size)	1,746.87	208.50
33 42 11 00-0037		**Concrete Reducing Wye Without Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0038	EA	12" Concrete Reducing Wye Without Gaskets	714.62	69.34
33 42 11 00-0039	EA	15" Concrete Reducing Wye Without Gaskets	856.79	84.50
33 42 11 00-0040	EA	18" Concrete Reducing Wye Without Gaskets	1,060.16	93.17
33 42 11 00-0041	EA	21" Concrete Reducing Wye Without Gaskets	1,215.66	114.84
33 42 11 00-0042	EA	24" Concrete Reducing Wye Without Gaskets	1,372.84	138.68
33 42 11 00-0043		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0044	EA	12" Diameter Concrete Pipe Joint Gasket	6.91	
33 42 11 00-0045	EA	15" Diameter Concrete Pipe Joint Gasket	8.17	
33 42 11 00-0046	EA	18" Diameter Concrete Pipe Joint Gasket	9.47	
33 42 11 00-0047	EA	21" Diameter Concrete Pipe Joint Gasket	11.45	
33 42 11 00-0048	EA	24" Diameter Concrete Pipe Joint Gasket	13.41	
33 42 11 00-0049	EA	27" Diameter Concrete Pipe Joint Gasket	14.95	
33 42 11 00-0050	EA	30" Diameter Concrete Pipe Joint Gasket	16.42	
33 42 11 00-0051	EA	36" Diameter Concrete Pipe Joint Gasket	20.06	
33 42 11 00-0052	EA	42" Diameter Concrete Pipe Joint Gasket	23.26	
33 42 11 00-0053	EA	48" Diameter Concrete Pipe Joint Gasket	26.83	
33 42 11 00-0054	EA	54" Diameter Concrete Pipe Joint Gasket	32.88	
33 42 11 00-0055	EA	60" Diameter Concrete Pipe Joint Gasket	48.67	
33 42 11 00-0056	EA	66" Diameter Concrete Pipe Joint Gasket	50.60	
33 42 11 00-0057	EA	72" Diameter Concrete Pipe Joint Gasket	52.46	
33 42 11 00-0058	EA	78" Diameter Concrete Pipe Joint Gasket	60.42	
33 42 11 00-0059	EA	84" Diameter Concrete Pipe Joint Gasket	72.43	
33 42 11 00-0060		**Couplings** *(33 42 11 00-0001)*		
33 42 11 00-0061		**Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings** *(33 42 11 00-0060)*		
		Note: For concrete to cast iron or plastic pipe. Includes stainless steel clamps. Fernco 1006.		
33 42 11 00-0062	EA	4" x 3" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	38.90	
33 42 11 00-0063	EA	4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	36.37	
33 42 11 00-0064	EA	6" x 4" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	58.87	
33 42 11 00-0065	EA	6" x 5" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	60.90	
33 42 11 00-0066	EA	6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	57.01	
33 42 11 00-0067	EA	8" x 6" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	84.26	
33 42 11 00-0068	EA	8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	73.69	
33 42 11 00-0069	EA	10" x 8" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	104.81	
33 42 11 00-0070	EA	10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	93.65	
33 42 11 00-0071	EA	12" x 10" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	125.64	
33 42 11 00-0072	EA	12" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	106.32	
33 42 11 00-0073	EA	15" Concrete To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	315.59	
33 42 11 00-0074		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0075	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	291.30	205.00
33 42 11 00-0076	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	359.38	253.92
33 42 11 00-0077	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	446.10	321.48
33 42 11 00-0078	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	528.16	384.38
33 42 11 00-0079	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	607.77	444.83
33 42 11 00-0080	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	750.52	568.42
33 42 11 00-0081	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	984.18	782.75
33 42 11 00-0082	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,227.67	987.75
33 42 11 00-0083	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,517.17	1,239.11
33 42 11 00-0084	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,698.66	1,396.60
33 42 11 00-0085	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,896.89	1,565.49
33 42 11 00-0086	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,098.06	1,739.04
33 42 11 00-0087	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,179.99	1,805.44
33 42 11 00-0088	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,252.04	1,863.68
33 42 11 00-0089	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,324.09	1,921.92
33 42 11 00-0090	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,397.86	1,980.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0091		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0092	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	266.01	
33 42 11 00-0093	EA	>24" Diameter Pipe, 12' Strap Assembly	375.78	
33 42 11 00-0094		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0095		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0094)*		
33 42 11 00-0096		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0095)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0097	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	160.27	18.20
		For >1,000, Deduct	*-8.01*	
		For 100 PSI, Deduct	*-33.57*	
33 42 11 00-0098	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	170.96	20.25
		For >1,000, Deduct	*-8.55*	
		For 100 PSI, Deduct	*-35.51*	
33 42 11 00-0099	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	185.88	25.25
		For >1,000, Deduct	*-9.29*	
		For 100 PSI, Deduct	*-37.45*	
33 42 11 00-0100	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	203.10	31.85
		For >1,000, Deduct	*-10.16*	
		For 100 PSI, Deduct	*-39.40*	
33 42 11 00-0101	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	220.61	38.68
		For >1,000, Deduct	*-11.03*	
		For 100 PSI, Deduct	*-41.34*	
33 42 11 00-0102	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	259.22	51.25
		For >1,000, Deduct	*-12.96*	
		For 100 PSI, Deduct	*-46.29*	
33 42 11 00-0103	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	287.28	58.24
		For >1,000, Deduct	*-14.36*	
		For 100 PSI, Deduct	*-51.23*	
33 42 11 00-0104	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	333.71	64.06
		For >1,000, Deduct	*-16.69*	
		For 100 PSI, Deduct	*-60.77*	
33 42 11 00-0105	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	383.16	71.34
		For >1,000, Deduct	*-19.16*	
		For 100 PSI, Deduct	*-70.31*	
33 42 11 00-0106	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	508.46	92.76
		For >1,000, Deduct	*-25.42*	
		For 100 PSI, Deduct	*-93.99*	
33 42 11 00-0107	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	613.04	107.60
		For >1,000, Deduct	*-30.65*	
		For 100 PSI, Deduct	*-114.83*	
33 42 11 00-0108	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	689.01	119.26
		For >1,000, Deduct	*-34.45*	
		For 100 PSI, Deduct	*-129.85*	
33 42 11 00-0109	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	768.50	129.86
		For >1,000, Deduct	*-38.43*	
		For 100 PSI, Deduct	*-145.75*	
33 42 11 00-0110	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	872.96	145.77
		For >1,000, Deduct	*-43.65*	
		For 100 PSI, Deduct	*-166.07*	
33 42 11 00-0111	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	977.42	162.33
		For >1,000, Deduct	*-48.87*	
		For 100 PSI, Deduct	*-186.38*	
33 42 11 00-0112	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,207.97	189.49
		For >1,000, Deduct	*-60.40*	
		For 100 PSI, Deduct	*-234.08*	
33 42 11 00-0113	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,422.14	216.39
		For >1,000, Deduct	*-71.11*	
		For 100 PSI, Deduct	*-278.25*	
33 42 11 00-0114	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,655.38	231.27
		For >1,000, Deduct	*-82.77*	
		For 100 PSI, Deduct	*-331.25*	
33 42 11 00-0115	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,870.16	245.59
		For >1,000, Deduct	*-93.51*	
		For 100 PSI, Deduct	*-379.83*	
33 42 11 00-0116	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,261.62	259.91
		For >1,000, Deduct	*-113.08*	
		For 100 PSI, Deduct	*-472.58*	
33 42 11 00-0117	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,633.68	273.02
		For >1,000, Deduct	*-131.68*	
		For 100 PSI, Deduct	*-560.91*	
33 42 11 00-0118	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,871.48	286.14
		For >1,000, Deduct	*-143.57*	
		For 100 PSI, Deduct	*-615.68*	
33 42 11 00-0119	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,112.81	299.24
		For >1,000, Deduct	*-155.64*	
		For 100 PSI, Deduct	*-671.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0120	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,352.36	312.36
		For >1,000, Deduct	*-167.62*	
		For 100 PSI, Deduct	*-726.54*	
33 42 11 00-0121	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,591.92	325.47
		For >1,000, Deduct	*-179.60*	
		For 100 PSI, Deduct	*-781.74*	

33 42 11 00-0122 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0095)*

33 42 11 00-0123	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	521.47	170.63
33 42 11 00-0124	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	720.73	243.76
33 42 11 00-0125	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	925.64	325.02
33 42 11 00-0126	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,130.55	406.27
33 42 11 00-0127	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,371.19	504.86
33 42 11 00-0128	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,757.90	677.12
33 42 11 00-0129	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,195.72	815.36
33 42 11 00-0130	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,556.94	951.64
33 42 11 00-0131	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,877.42	1,086.76
33 42 11 00-0132	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,538.12	1,356.99
33 42 11 00-0133	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,655.38	1,855.16
33 42 11 00-0134	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,188.08	2,053.93
33 42 11 00-0135	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,720.78	2,252.70
33 42 11 00-0136	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,913.31	2,583.97
33 42 11 00-0137	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,098.51	2,915.25
33 42 11 00-0138	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,597.94	3,312.79
33 42 11 00-0139	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	11,090.07	3,710.33
33 42 11 00-0140	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,704.42	4,649.57
33 42 11 00-0141	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	18,344.92	5,579.48
33 42 11 00-0142	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	23,823.27	7,439.30
33 42 11 00-0143	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	29,213.56	9,299.13
33 42 11 00-0144	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,012.67	10,029.78
33 42 11 00-0145	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	36,816.71	10,760.42
33 42 11 00-0146	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	48,289.05	11,491.07
33 42 11 00-0147	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	44,503.34	12,221.72

33 42 11 00-0148 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0095)*

33 42 11 00-0149	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	485.43	170.63
33 42 11 00-0150	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	674.09	243.76
33 42 11 00-0151	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	870.52	325.02
33 42 11 00-0152	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,066.95	406.27
33 42 11 00-0153	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,299.11	504.86
33 42 11 00-0154	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,658.97	631.62
33 42 11 00-0155	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,082.65	815.36
33 42 11 00-0156	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,426.21	951.64
33 42 11 00-0157	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,736.79	1,086.76
33 42 11 00-0158	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,338.35	1,356.99
33 42 11 00-0159	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,465.04	1,855.16
33 42 11 00-0160	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,983.95	2,053.93
33 42 11 00-0161	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,502.86	2,252.70
33 42 11 00-0162	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,404.62	2,583.97
33 42 11 00-0163	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,299.06	2,915.25
33 42 11 00-0164	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,589.04	3,312.79
33 42 11 00-0165	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,871.72	3,710.33
33 42 11 00-0166	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,886.39	4,637.91
33 42 11 00-0167	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,973.86	5,579.48
33 42 11 00-0168	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,875.32	7,439.30
33 42 11 00-0169	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	25,688.74	9,299.13
33 42 11 00-0170	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,711.76	10,029.78
33 42 11 00-0171	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,739.72	12,221.72
33 42 11 00-0172	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	34,779.53	11,491.07
33 42 11 00-0173	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	38,178.52	12,221.72

33 42 11 00-0174 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0094)*

33 42 11 00-0175 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)*

Note: AWWA C301

33 42 11 00-0176	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	305.70	51.25
		For >1,000, Deduct	*-15.29*	
33 42 11 00-0177	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	373.10	58.24
		For >1,000, Deduct	*-18.66*	
33 42 11 00-0178	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	435.59	64.06
		For >1,000, Deduct	*-21.78*	

33 42 11 00-0179 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0174)*

Note: AWWA C301

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0180	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	587.81	71.28
		For >1,000, Deduct	*-29.39*	
33 42 11 00-0181	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	704.89	92.76
		For >1,000, Deduct	*-35.24*	
33 42 11 00-0182	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	812.55	107.60
		For >1,000, Deduct	*-40.63*	
33 42 11 00-0183	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	914.92	119.26
		For >1,000, Deduct	*-45.75*	
33 42 11 00-0184	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,108.98	129.86
		For >1,000, Deduct	*-55.45*	

33 42 11 00-0185 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0174)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0186	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,390.02
33 42 11 00-0187	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,567.06
33 42 11 00-0188	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,655.57
33 42 11 00-0189	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	3,009.65
33 42 11 00-0190	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	3,098.17
33 42 11 00-0191	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,275.21
33 42 11 00-0192	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,363.73
33 42 11 00-0193	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,452.25
33 42 11 00-0194	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,425.96
33 42 11 00-0195	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,425.96
33 42 11 00-0196	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,045.59
33 42 11 00-0197	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,045.59
33 42 11 00-0198	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,399.67
33 42 11 00-0199	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,399.67
33 42 11 00-0200	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,842.26
33 42 11 00-0201	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,842.26

33 42 11 00-0202 Quick Test Joints *(33 42 11 00-0174)*

33 42 11 00-0203	EA	30" Quick Test Joint	654.27
33 42 11 00-0204	EA	36" Quick Test Joint	660.09
33 42 11 00-0205	EA	42" Quick Test Joint	665.91
33 42 11 00-0206	EA	48" Quick Test Joint	679.46
33 42 11 00-0207	EA	54" Quick Test Joint	711.61
33 42 11 00-0208	EA	60" Quick Test Joint	737.73
33 42 11 00-0209	EA	66" Quick Test Joint	776.72
33 42 11 00-0210	EA	72" Quick Test Joint	815.71

33 42 11 00-0211 Harnessed Joints *(33 42 11 00-0174)*

33 42 11 00-0212 Harness Clamp Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0213	EA	30" Harness Clamp Restrained Joint	13,061.30
33 42 11 00-0214	EA	36" Harness Clamp Restrained Joint	13,565.89
33 42 11 00-0215	EA	42" Harness Clamp Restrained Joint	14,070.49
33 42 11 00-0216	EA	48" Harness Clamp Restrained Joint	14,575.08
33 42 11 00-0217	EA	54" Harness Clamp Restrained Joint	15,095.72
33 42 11 00-0218	EA	60" Harness Clamp Restrained Joint	15,857.13
33 42 11 00-0219	EA	66" Harness Clamp Restrained Joint	16,369.16
33 42 11 00-0220	EA	72" Harness Clamp Restrained Joint	17,529.59

33 42 11 00-0221 Snap Ring Restrained Joints *(33 42 11 00-0211)*

33 42 11 00-0222	EA	30" Snap Ring Restrained Joint	2,088.28
33 42 11 00-0223	EA	36" Snap Ring Restrained Joint	2,393.37
33 42 11 00-0224	EA	42" Snap Ring Restrained Joint	3,247.10
33 42 11 00-0225	EA	48" Snap Ring Restrained Joint	3,701.82
33 42 11 00-0226	EA	54" Snap Ring Restrained Joint	4,172.59
33 42 11 00-0227	EA	60" Snap Ring Restrained Joint	4,734.49
33 42 11 00-0228	EA	66" Snap Ring Restrained Joint	5,246.51
33 42 11 00-0229	EA	72" Snap Ring Restrained Joint	5,858.29

33 42 11 00-0230 Pipe Repairs *(33 42 11 00-0174)*

Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.

33 42 11 00-0231 Lined Cylinder Pipe Repair *(33 42 11 00-0230)*

33 42 11 00-0232	EA	30" Lined Cylinder Pipe Repair	6,406.79
33 42 11 00-0233	EA	36" Lined Cylinder Pipe Repair	7,929.83
33 42 11 00-0234	EA	42" Lined Cylinder Pipe Repair	11,657.17

33 42 11 00-0235 Embedded Cylinder Pipe Repair *(33 42 11 00-0230)*

Note: Field welded concrete enclosure assembly with concrete pipe.

33 42 11 00-0236	EA	48" Embedded Cylinder Pipe Repair	17,507.99
33 42 11 00-0237	EA	54" Embedded Cylinder Pipe Repair	20,352.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0238	EA	60" Embedded Cylinder Pipe Repair	23,216.88	
33 42 11 00-0239	EA	66" Embedded Cylinder Pipe Repair	26,232.97	
33 42 11 00-0240	EA	72" Embedded Cylinder Pipe Repair	31,618.03	

33 42 11 00-0241 Tapping For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0094)*

33 42 11 00-0242 Tapping Assembly For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0241)*

Note: For use with lock-joint style pipe.

33 42 11 00-0243	EA	4" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,285.19	
33 42 11 00-0244	EA	6" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,381.22	
33 42 11 00-0245	EA	8" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	3,854.31	
33 42 11 00-0246	EA	10" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	4,356.00	
33 42 11 00-0247	EA	12" Tapping Assembly, 16" Diameter Prestressed Concrete Cylinder Pipe	4,688.43	
33 42 11 00-0248	EA	4" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,354.57	
33 42 11 00-0249	EA	6" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,692.34	
33 42 11 00-0250	EA	8" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	3,855.34	
33 42 11 00-0251	EA	10" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	4,516.70	
33 42 11 00-0252	EA	12" Tapping Assembly, 20" Diameter Prestressed Concrete Cylinder Pipe	5,746.22	
33 42 11 00-0253	EA	4" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,393.78	
33 42 11 00-0254	EA	6" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	3,612.60	
33 42 11 00-0255	EA	8" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	4,128.88	
33 42 11 00-0256	EA	10" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	5,220.73	
33 42 11 00-0257	EA	12" Tapping Assembly, 24" Diameter Prestressed Concrete Cylinder Pipe	5,188.72	
33 42 11 00-0258	EA	6" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	31,357.41	
33 42 11 00-0259	EA	8" Tapping Assembly, 30" Diameter Prestressed Concrete Cylinder Pipe	4,481.25	

33 42 11 00-0260 Tapping Assembly And Gland Insert For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0241)*

Note: For use with lock-joint style pipe.

33 42 11 00-0261	EA	3/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	796.27	
33 42 11 00-0262	EA	1" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	833.24	
33 42 11 00-0263	EA	1-1/4" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	915.09	
33 42 11 00-0264	EA	1-1/2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	844.65	
33 42 11 00-0265	EA	2" Tap Assembly And Gland Insert For 16" Diameter Prestressed Concrete Cylinder Pipe	844.81	
33 42 11 00-0266	EA	3/4" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	847.91	
33 42 11 00-0267	EA	1" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	923.31	
33 42 11 00-0268	EA	1-1/2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	883.95	
33 42 11 00-0269	EA	2" Tap Assembly And Gland Insert For 20" Diameter Prestressed Concrete Cylinder Pipe	883.95	
33 42 11 00-0270	EA	1" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	966.27	
33 42 11 00-0271	EA	1-1/4" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	987.53	
33 42 11 00-0272	EA	1-1/2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	994.94	
33 42 11 00-0273	EA	2" Tap Assembly And Gland Insert For 24" Diameter Prestressed Concrete Cylinder Pipe	1,003.42	

33 42 11 00-0274 High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0275 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0276 Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0275)*

33 42 11 00-0277	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.80	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0278	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.87	8.78
		For <100, Add	*3.51*	
		For >1,000, Deduct	*-1.97*	
33 42 11 00-0279	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.87	10.21
		For <100, Add	*4.08*	
		For >1,000, Deduct	*-2.36*	
33 42 11 00-0280	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	30.45	10.56
		For <100, Add	*4.22*	
		For >1,000, Deduct	*-2.58*	
33 42 11 00-0281	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.02	10.94
		For <100, Add	*4.38*	
		For >1,000, Deduct	*-2.70*	
33 42 11 00-0282	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.25	11.32
		For <100, Add	*4.53*	
		For >1,000, Deduct	*-2.95*	
33 42 11 00-0283	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.75	11.73
		For <100, Add	*4.69*	
		For >1,000, Deduct	*-3.36*	
33 42 11 00-0284	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	59.79	13.74
		For <100, Add	*5.50*	
		For >1,000, Deduct	*-4.36*	
33 42 11 00-0285	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	84.72	18.51
		For <100, Add	*7.40*	
		For >1,000, Deduct	*-6.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0286	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	111.28	23.39
		For <100, Add	*9.36*	
		For >1,000, Deduct	*-7.90*	

33 42 11 00-0287 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0275)*

33 42 11 00-0288	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.84	10.94
		For <100, Add	*4.38*	
		For >1,000, Deduct	*-2.69*	
33 42 11 00-0289	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.96	11.32
		For <100, Add	*4.53*	
		For >1,000, Deduct	*-2.98*	
33 42 11 00-0290	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	44.82	11.73
		For <100, Add	*4.69*	
		For >1,000, Deduct	*-3.41*	
33 42 11 00-0291	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	61.49	13.74
		For <100, Add	*5.50*	
		For >1,000, Deduct	*-4.45*	
33 42 11 00-0292	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	89.37	18.51
		For <100, Add	*7.40*	
		For >1,000, Deduct	*-6.32*	
33 42 11 00-0293	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	114.74	23.39
		For <100, Add	*9.36*	
		For >1,000, Deduct	*-8.08*	
33 42 11 00-0294	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	149.13	25.52
		For <100, Add	*10.21*	
		For >1,000, Deduct	*-10.01*	
33 42 11 00-0295	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	162.71	28.79
		For <100, Add	*11.51*	
		For >1,000, Deduct	*-11.01*	

33 42 11 00-0296 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0297 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0296)*

33 42 11 00-0298	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.69	7.55
		For <100, Add	*3.02*	
		For >1,000, Deduct	*-1.64*	
33 42 11 00-0299	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.90	8.78
		For <100, Add	*3.51*	
		For >1,000, Deduct	*-1.97*	
33 42 11 00-0300	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	26.87	10.21
		For <100, Add	*4.08*	
		For >1,000, Deduct	*-2.36*	
33 42 11 00-0301	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	30.48	10.56
		For <100, Add	*4.22*	
		For >1,000, Deduct	*-2.58*	
33 42 11 00-0302	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.02	10.94
		For <100, Add	*4.38*	
		For >1,000, Deduct	*-2.70*	
33 42 11 00-0303	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.28	11.32
		For <100, Add	*4.53*	
		For >1,000, Deduct	*-2.95*	
33 42 11 00-0304	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	43.78	11.73
		For <100, Add	*4.69*	
		For >1,000, Deduct	*-3.36*	
33 42 11 00-0305	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	59.79	13.74
		For <100, Add	*5.50*	
		For >1,000, Deduct	*-4.36*	
33 42 11 00-0306	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	85.02	18.51
		For <100, Add	*7.40*	
		For >1,000, Deduct	*-6.10*	
33 42 11 00-0307	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	111.28	23.39
		For <100, Add	*9.36*	
		For >1,000, Deduct	*-7.90*	

33 42 11 00-0308 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0296)*

33 42 11 00-0309	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.87	10.94
		For <100, Add	*4.38*	
		For >1,000, Deduct	*-2.69*	
33 42 11 00-0310	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	36.99	11.32
		For <100, Add	*4.53*	
		For >1,000, Deduct	*-2.98*	
33 42 11 00-0311	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	44.85	11.73
		For <100, Add	*4.69*	
		For >1,000, Deduct	*-3.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0312	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	61.49	13.74
		For <100, Add	*5.50*	
		For >1,000, Deduct	*-4.45*	
33 42 11 00-0313	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	89.37	18.51
		For <100, Add	*7.40*	
		For >1,000, Deduct	*-6.32*	
33 42 11 00-0314	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	114.74	23.39
		For <100, Add	*9.36*	
		For >1,000, Deduct	*-8.08*	
33 42 11 00-0315	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	149.13	25.52
		For <100, Add	*10.21*	
		For >1,000, Deduct	*-10.01*	
33 42 11 00-0316	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	162.71	28.79
		For <100, Add	*11.51*	
		For >1,000, Deduct	*-11.01*	

33 42 11 00-0317 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0274)*

Note: Excludes couplings and gaskets.

33 42 11 00-0318 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0319	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	49.11	26.09
33 42 11 00-0320	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	59.34	30.43
33 42 11 00-0321	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	83.42	36.96
33 42 11 00-0322	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	116.35	45.66
33 42 11 00-0323	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	165.61	54.36
33 42 11 00-0324	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	227.94	71.02
33 42 11 00-0325	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	321.23	95.65
33 42 11 00-0326	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	397.58	109.19
33 42 11 00-0327	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	629.80	126.10
33 42 11 00-0328	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	792.31	145.66
33 42 11 00-0329	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,249.33	173.92
33 42 11 00-0330	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,556.15	206.54

33 42 11 00-0331 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0332	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	59.64	26.09
33 42 11 00-0333	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	70.89	30.43
33 42 11 00-0334	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	90.71	36.96
33 42 11 00-0335	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	124.38	45.66
33 42 11 00-0336	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	191.46	54.36
33 42 11 00-0337	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	220.01	71.02
33 42 11 00-0338	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	305.80	95.65

33 42 11 00-0339 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0340	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	31.42	17.40
33 42 11 00-0341	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	37.58	20.29
33 42 11 00-0342	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	49.78	24.64
33 42 11 00-0343	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	62.07	30.43
33 42 11 00-0344	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	81.97	36.24
33 42 11 00-0345	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	118.43	46.38
33 42 11 00-0346	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	159.30	63.78
33 42 11 00-0347	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	252.85	72.46
33 42 11 00-0348	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	334.38	84.06
33 42 11 00-0349	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	390.42	97.11
33 42 11 00-0350	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	490.64	115.95
33 42 11 00-0351	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	643.87	137.68

33 42 11 00-0352 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0317)*

33 42 11 00-0353	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	32.57	17.40
33 42 11 00-0354	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	39.98	20.29
33 42 11 00-0355	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	51.00	24.64
33 42 11 00-0356	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	72.03	30.43
33 42 11 00-0357	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	81.97	36.24
33 42 11 00-0358	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	118.23	46.38
33 42 11 00-0359	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	175.37	63.78
33 42 11 00-0360	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	265.26	72.46
33 42 11 00-0361	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	334.97	84.06
33 42 11 00-0362	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	417.16	97.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0363	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	593.87	115.95
33 42 11 00-0364	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	736.39	137.68

33 42 11 00-0365 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0274)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0366 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0365)*

33 42 11 00-0367	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	0.69
33 42 11 00-0368	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.23
33 42 11 00-0369	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.90
33 42 11 00-0370	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.33
33 42 11 00-0371	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.51
33 42 11 00-0372	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	3.57
33 42 11 00-0373	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.28
33 42 11 00-0374	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.41
33 42 11 00-0375	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	12.91
33 42 11 00-0376	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	16.90
33 42 11 00-0377	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	26.56
33 42 11 00-0378	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	35.92

33 42 11 00-0379 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0365)*

33 42 11 00-0380	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	36.37
33 42 11 00-0381	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	38.09
33 42 11 00-0382	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	39.88
33 42 11 00-0383	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	41.75
33 42 11 00-0384	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	49.52
33 42 11 00-0385	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	51.13
33 42 11 00-0386	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	53.33
33 42 11 00-0387	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	60.74
33 42 11 00-0388	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	97.37
33 42 11 00-0389	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	106.66
33 42 11 00-0390	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	116.21
33 42 11 00-0391	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	141.14

33 42 11 00-0392 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0365)*

33 42 11 00-0393	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	36.26
33 42 11 00-0394	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	42.48
33 42 11 00-0395	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	68.31
33 42 11 00-0396	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	115.57
33 42 11 00-0397	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	134.38
33 42 11 00-0398	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	181.34
33 42 11 00-0399	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	188.05

33 42 11 00-0400 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-0401 Extra Strength Vitrified Clay Piping *(33 42 11 00-0400)*

33 42 11 00-0402 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0401)*

Note: ASTM C700.

33 42 11 00-0403	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	24.07
		For 3' Lengths, Add	*2.21*
		For 2' Lengths, Add	*2.94*
		For Standard Strength, Deduct	*-0.74*
		For >1,000, Deduct	*-1.20*
33 42 11 00-0404	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	39.93
		For 3' Lengths, Add	*3.43*
		For 2' Lengths, Add	*4.58*
		For Standard Strength, Deduct	*-1.14*
		For >1,000, Deduct	*-2.00*
33 42 11 00-0405	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	48.01
		For 3' Lengths, Add	*4.91*
		For 2' Lengths, Add	*6.54*
		For Standard Strength, Deduct	*-1.64*
		For >1,000, Deduct	*-2.40*
33 42 11 00-0406	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	57.94
		For 3' Lengths, Add	*7.51*
		For 2' Lengths, Add	*10.01*
		For Standard Strength, Deduct	*-2.50*
		For >1,000, Deduct	*-2.90*
33 42 11 00-0407	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	71.24
		For 3' Lengths, Add	*10.60*
		For 2' Lengths, Add	*14.14*
		For Standard Strength, Deduct	*-3.53*
		For >1,000, Deduct	*-3.56*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0408	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	106.21	
		For 3' Lengths, Add	*19.88*	
		For 2' Lengths, Add	*26.51*	
		For Standard Strength, Deduct	*-6.63*	
		For >1,000, Deduct	*-5.31*	
33 42 11 00-0409	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	144.79	
		For 3' Lengths, Add	*28.49*	
		For 2' Lengths, Add	*37.99*	
		For Standard Strength, Deduct	*-9.50*	
		For >1,000, Deduct	*-7.24*	
33 42 11 00-0410	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	214.98	
		For 3' Lengths, Add	*45.65*	
		For 2' Lengths, Add	*60.86*	
		For Standard Strength, Deduct	*-15.22*	
		For >1,000, Deduct	*-10.75*	
33 42 11 00-0411	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	275.08	
		For 3' Lengths, Add	*59.64*	
		For 2' Lengths, Add	*79.52*	
		For Standard Strength, Deduct	*-19.88*	
		For >1,000, Deduct	*-13.75*	
33 42 11 00-0412	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	340.51	
		For 3' Lengths, Add	*74.36*	
		For 2' Lengths, Add	*99.15*	
		For Standard Strength, Deduct	*-24.79*	
		For >1,000, Deduct	*-17.03*	
33 42 11 00-0413	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	411.89	
		For 3' Lengths, Add	*89.83*	
		For 2' Lengths, Add	*119.77*	
		For Standard Strength, Deduct	*-29.94*	
		For >1,000, Deduct	*-20.59*	

33 42 11 00-0414 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0401)*

Note: ASTM C425.

33 42 11 00-0415	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	34.01	
		For 3' Lengths, Add	*2.61*	
		For 2' Lengths, Add	*3.48*	
		For Standard Strength, Deduct	*-0.87*	
		For >1,000, Deduct	*-1.70*	
33 42 11 00-0416	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	42.68	
		For 3' Lengths, Add	*4.26*	
		For 2' Lengths, Add	*5.68*	
		For Standard Strength, Deduct	*-1.42*	
		For >1,000, Deduct	*-2.13*	
33 42 11 00-0417	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	51.69	
		For 3' Lengths, Add	*6.01*	
		For 2' Lengths, Add	*8.01*	
		For Standard Strength, Deduct	*-2.00*	
		For >1,000, Deduct	*-2.58*	
33 42 11 00-0418	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	65.80	
		For 3' Lengths, Add	*9.87*	
		For 2' Lengths, Add	*13.16*	
		For Standard Strength, Deduct	*-3.29*	
		For >1,000, Deduct	*-3.29*	
33 42 11 00-0419	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	79.10	
		For 3' Lengths, Add	*12.96*	
		For 2' Lengths, Add	*17.28*	
		For Standard Strength, Deduct	*-4.32*	
		For >1,000, Deduct	*-3.96*	
33 42 11 00-0420	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	118.72	
		For 3' Lengths, Add	*23.63*	
		For 2' Lengths, Add	*31.51*	
		For Standard Strength, Deduct	*-7.88*	
		For >1,000, Deduct	*-5.94*	
33 42 11 00-0421	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	165.16	
		For 3' Lengths, Add	*34.61*	
		For 2' Lengths, Add	*46.14*	
		For Standard Strength, Deduct	*-11.54*	
		For >1,000, Deduct	*-8.26*	
33 42 11 00-0422	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	238.30	
		For 3' Lengths, Add	*52.64*	
		For 2' Lengths, Add	*70.19*	
		For Standard Strength, Deduct	*-17.55*	
		For >1,000, Deduct	*-11.92*	
33 42 11 00-0423	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	311.89	
		For 3' Lengths, Add	*70.68*	
		For 2' Lengths, Add	*94.24*	
		For Standard Strength, Deduct	*-23.56*	
		For >1,000, Deduct	*-15.59*	
33 42 11 00-0424	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	502.49	
		For 3' Lengths, Add	*122.96*	
		For 2' Lengths, Add	*163.94*	
		For Standard Strength, Deduct	*-40.99*	
		For >1,000, Deduct	*-25.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0425	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	716.22	
		For 3' Lengths, Add	*181.13*	
		For 2' Lengths, Add	*241.50*	
		For Standard Strength, Deduct	*-60.38*	
		For >1,000, Deduct	*-35.81*	

33 42 11 00-0426 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0400)*

33 42 11 00-0427 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0426)*

33 42 11 00-0428 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0427)*

33 42 11 00-0429	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	102.68
33 42 11 00-0430	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	139.40
33 42 11 00-0431	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	200.76
33 42 11 00-0432	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	277.71
33 42 11 00-0433	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	368.42
33 42 11 00-0434	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	891.02
33 42 11 00-0435	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,258.32
33 42 11 00-0436	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,966.93
33 42 11 00-0437	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,269.20
33 42 11 00-0438	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,633.48
33 42 11 00-0439	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,959.73

33 42 11 00-0440 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0427)*

33 42 11 00-0441	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	115.75
33 42 11 00-0442	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	165.86
33 42 11 00-0443	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	226.00
33 42 11 00-0444	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	304.72
33 42 11 00-0445	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	388.10
33 42 11 00-0446	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	998.79
33 42 11 00-0447	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,455.45
33 42 11 00-0448	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,492.92
33 42 11 00-0449	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,907.48
33 42 11 00-0450	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	3,235.09
33 42 11 00-0451	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,814.57

33 42 11 00-0452 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0426)*

33 42 11 00-0453 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0452)*

33 42 11 00-0454	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	119.40
33 42 11 00-0455	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	159.52
33 42 11 00-0456	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	224.30
33 42 11 00-0457	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	303.19
33 42 11 00-0458	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	397.14
33 42 11 00-0459	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	922.98
33 42 11 00-0460	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,298.16
33 42 11 00-0461	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,017.18
33 42 11 00-0462	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,330.22
33 42 11 00-0463	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,709.59
33 42 11 00-0464	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	4,044.34

33 42 11 00-0465 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0452)*

33 42 11 00-0466	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	135.80
33 42 11 00-0467	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	190.02
33 42 11 00-0468	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	254.26
33 42 11 00-0469	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	335.30
33 42 11 00-0470	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	422.56
33 42 11 00-0471	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,037.13
33 42 11 00-0472	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,503.27
33 42 11 00-0473	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,929.02
33 42 11 00-0474	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,980.71
33 42 11 00-0475	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,326.41
33 42 11 00-0476	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,916.09

33 42 11 00-0477 Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0426)*

33 42 11 00-0478 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0477)*

33 42 11 00-0479	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	130.28
33 42 11 00-0480	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	170.83
33 42 11 00-0481	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	233.92
33 42 11 00-0482	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	311.36
33 42 11 00-0483	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	395.28
33 42 11 00-0484	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	929.35
33 42 11 00-0485	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,302.82
33 42 11 00-0486	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,885.82
33 42 11 00-0487	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,628.47
33 42 11 00-0488	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,776.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0489	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	4,004.81	
33 42 11 00-0490		**Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-0477)*		
33 42 11 00-0491	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	159.33	
33 42 11 00-0492	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	220.02	
33 42 11 00-0493	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	291.35	
33 42 11 00-0494	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	379.20	
33 42 11 00-0495	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	474.82	
33 42 11 00-0496	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,130.71	
33 42 11 00-0497	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,633.08	
33 42 11 00-0498	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,429.52	
33 42 11 00-0499	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,221.93	
33 42 11 00-0500	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,723.81	
33 42 11 00-0501	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	5,299.48	
33 42 11 00-0502		**Vitrified Clay Couplings** *(33 42 11 00-0400)*		
33 42 11 00-0503		**Vitrified Clay To Cast Iron Or Plastic Pipe Couplings** *(33 42 11 00-0502)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0504	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	36.68	
33 42 11 00-0505	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	36.37	
33 42 11 00-0506	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	48.75	
33 42 11 00-0507	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	46.27	
33 42 11 00-0508	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	58.87	
33 42 11 00-0509	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	61.03	
33 42 11 00-0510	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	56.26	
33 42 11 00-0511	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	79.14	
33 42 11 00-0512	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	73.69	
33 42 11 00-0513	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	102.07	
33 42 11 00-0514	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	93.65	
33 42 11 00-0515	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	125.64	
33 42 11 00-0516	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	106.32	
33 42 11 00-0517	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	207.80	
33 42 11 00-0518	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	161.75	
33 42 11 00-0519		**Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings** *(33 42 11 00-0502)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0520	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	78.40	
33 42 11 00-0521	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	104.41	
33 42 11 00-0522	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	110.41	
33 42 11 00-0523	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	115.75	
33 42 11 00-0524	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	142.90	
33 42 11 00-0525	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	165.81	
33 42 11 00-0526		**Vitrified Clay To Plastic Pipe Non-Shear Couplings** *(33 42 11 00-0502)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0527	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	80.41	
33 42 11 00-0528	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	106.42	
33 42 11 00-0529	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	97.48	
33 42 11 00-0530	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	127.77	
33 42 11 00-0531	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	185.00	
33 42 11 00-0532	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	209.04	
33 42 11 00-0533		**Corrugated Metal Piping** *(33 42 11)*		
33 42 11 00-0534		**Galvanized Corrugated Steel Piping** *(33 42 11 00-0533)*		
33 42 11 00-0535		**2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0534)*		
33 42 11 00-0536		**16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0535)*		
33 42 11 00-0537	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	44.38	11.38
		For Bituminous Coated Pipe, Add	*5.02*	
		For Bituminous Coated And 25% Paved, Add	*10.27*	
		For Smooth-Flo, Add	*18.33*	
33 42 11 00-0538	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	50.58	11.92
		For Bituminous Coated Pipe, Add	*6.32*	
		For Bituminous Coated And 25% Paved, Add	*12.92*	
		For Smooth-Flo, Add	*23.08*	
33 42 11 00-0539	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	57.00	13.00
		For Bituminous Coated Pipe, Add	*7.65*	
		For Bituminous Coated And 25% Paved, Add	*15.66*	
		For Smooth-Flo, Add	*27.96*	
33 42 11 00-0540	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	65.20	14.09
		For Bituminous Coated Pipe, Add	*9.15*	
		For Bituminous Coated And 25% Paved, Add	*18.73*	
		For Smooth-Flo, Add	*33.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0541	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	72.28	15.17
		For Bituminous Coated Pipe, Add	*10.30*	
		For Bituminous Coated And 25% Paved, Add	*21.07*	
		For Smooth-Flo, Add	*37.63*	
33 42 11 00-0542	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.24	19.50
		For Bituminous Coated Pipe, Add	*13.37*	
		For Bituminous Coated And 25% Paved, Add	*27.34*	
		For Smooth-Flo, Add	*48.83*	
33 42 11 00-0543	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	124.03	25.63
		For Bituminous Coated Pipe, Add	*16.86*	
		For Bituminous Coated And 25% Paved, Add	*34.49*	
		For Smooth-Flo, Add	*61.59*	
33 42 11 00-0544	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	141.74	30.29
		For Bituminous Coated Pipe, Add	*19.95*	
		For Bituminous Coated And 25% Paved, Add	*40.81*	
		For Smooth-Flo, Add	*72.88*	
33 42 11 00-0545	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	159.24	34.94
		For Bituminous Coated Pipe, Add	*22.35*	
		For Bituminous Coated And 25% Paved, Add	*45.71*	
		For Smooth-Flo, Add	*81.63*	
33 42 11 00-0546		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*		
33 42 11 00-0547	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.86	11.38
		For Bituminous Coated Pipe, Add	*5.09*	
		For Bituminous Coated And 25% Paved, Add	*11.80*	
		For Smooth-Flo, Add	*23.86*	
33 42 11 00-0548	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	56.10	11.92
		For Bituminous Coated Pipe, Add	*6.39*	
		For Bituminous Coated And 25% Paved, Add	*14.80*	
		For Smooth-Flo, Add	*29.92*	
33 42 11 00-0549	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	63.67	13.00
		For Bituminous Coated Pipe, Add	*7.74*	
		For Bituminous Coated And 25% Paved, Add	*17.92*	
		For Smooth-Flo, Add	*36.23*	
33 42 11 00-0550	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	72.91	14.09
		For Bituminous Coated Pipe, Add	*9.20*	
		For Bituminous Coated And 25% Paved, Add	*21.31*	
		For Smooth-Flo, Add	*43.08*	
33 42 11 00-0551	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	81.25	15.17
		For Bituminous Coated Pipe, Add	*10.41*	
		For Bituminous Coated And 25% Paved, Add	*24.12*	
		For Smooth-Flo, Add	*48.76*	
33 42 11 00-0552	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	106.18	19.50
		For Bituminous Coated Pipe, Add	*13.37*	
		For Bituminous Coated And 25% Paved, Add	*30.97*	
		For Smooth-Flo, Add	*62.61*	
33 42 11 00-0553	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	137.32	25.63
		For Bituminous Coated Pipe, Add	*16.76*	
		For Bituminous Coated And 25% Paved, Add	*38.83*	
		For Smooth-Flo, Add	*78.48*	
33 42 11 00-0554	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	156.96	30.29
		For Bituminous Coated Pipe, Add	*19.73*	
		For Bituminous Coated And 25% Paved, Add	*45.70*	
		For Smooth-Flo, Add	*92.39*	
33 42 11 00-0555	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	176.65	34.94
		For Bituminous Coated Pipe, Add	*22.17*	
		For Bituminous Coated And 25% Paved, Add	*51.36*	
		For Smooth-Flo, Add	*103.82*	
33 42 11 00-0556	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	211.70	39.60
		For Bituminous Coated Pipe, Add	*27.26*	
		For Bituminous Coated And 25% Paved, Add	*63.17*	
		For Smooth-Flo, Add	*127.68*	
33 42 11 00-0557		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*		
33 42 11 00-0558	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	77.48	13.00
		For Bituminous Coated Pipe, Add	*8.86*	
		For Bituminous Coated And 25% Paved, Add	*16.00*	
		For Smooth-Flo, Add	*30.74*	
33 42 11 00-0559	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	88.97	14.09
		For Bituminous Coated Pipe, Add	*10.47*	
		For Bituminous Coated And 25% Paved, Add	*18.91*	
		For Smooth-Flo, Add	*36.34*	
33 42 11 00-0560	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	99.54	14.09
		For Bituminous Coated Pipe, Add	*11.87*	
		For Bituminous Coated And 25% Paved, Add	*21.44*	
		For Smooth-Flo, Add	*41.20*	
33 42 11 00-0561	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	128.80	19.50
		For Bituminous Coated Pipe, Add	*15.10*	
		For Bituminous Coated And 25% Paved, Add	*27.26*	
		For Smooth-Flo, Add	*52.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0562	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	164.16	25.63
		For Bituminous Coated Pipe, Add	*18.67*	
		For Bituminous Coated And 25% Paved, Add	*33.71*	
		For Smooth-Flo, Add	*64.78*	
33 42 11 00-0563	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	187.96	30.29
		For Bituminous Coated Pipe, Add	*21.87*	
		For Bituminous Coated And 25% Paved, Add	*39.50*	
		For Smooth-Flo, Add	*75.91*	
33 42 11 00-0564	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	212.19	34.94
		For Bituminous Coated Pipe, Add	*24.70*	
		For Bituminous Coated And 25% Paved, Add	*44.60*	
		For Smooth-Flo, Add	*85.72*	
33 42 11 00-0565	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	250.94	39.60
		For Bituminous Coated Pipe, Add	*29.62*	
		For Bituminous Coated And 25% Paved, Add	*53.48*	
		For Smooth-Flo, Add	*102.78*	
33 42 11 00-0566	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	274.40	41.93
		For Bituminous Coated Pipe, Add	*32.43*	
		For Bituminous Coated And 25% Paved, Add	*58.57*	
		For Smooth-Flo, Add	*112.56*	
33 42 11 00-0567	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	332.61	51.25
		For Bituminous Coated Pipe, Add	*39.48*	
		For Bituminous Coated And 25% Paved, Add	*71.30*	
		For Smooth-Flo, Add	*137.03*	
33 42 11 00-0568		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0535)*		
33 42 11 00-0569	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	189.28	25.63
		For Bituminous Coated Pipe, Add	*23.75*	
		For Bituminous Coated And 25% Paved, Add	*39.67*	
		For Smooth-Flo, Add	*56.60*	
33 42 11 00-0570	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	217.35	30.29
		For Bituminous Coated Pipe, Add	*27.82*	
		For Bituminous Coated And 25% Paved, Add	*46.47*	
		For Smooth-Flo, Add	*66.30*	
33 42 11 00-0571	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	245.54	34.94
		For Bituminous Coated Pipe, Add	*31.44*	
		For Bituminous Coated And 25% Paved, Add	*52.52*	
		For Smooth-Flo, Add	*74.94*	
33 42 11 00-0572	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	288.30	39.60
		For Bituminous Coated Pipe, Add	*37.24*	
		For Bituminous Coated And 25% Paved, Add	*62.20*	
		For Smooth-Flo, Add	*88.75*	
33 42 11 00-0573	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	315.98	41.93
		For Bituminous Coated Pipe, Add	*40.90*	
		For Bituminous Coated And 25% Paved, Add	*68.31*	
		For Smooth-Flo, Add	*97.48*	
33 42 11 00-0574	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	378.31	51.25
		For Bituminous Coated Pipe, Add	*48.92*	
		For Bituminous Coated And 25% Paved, Add	*81.72*	
		For Smooth-Flo, Add	*116.60*	
33 42 11 00-0575	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	446.69	74.55
		For Bituminous Coated Pipe, Add	*52.53*	
		For Bituminous Coated And 25% Paved, Add	*87.74*	
		For Smooth-Flo, Add	*125.20*	
33 42 11 00-0576		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0577		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*		
33 42 11 00-0578	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	147.07	25.63
		For Bituminous Coated Pipe, Add	*18.54*	
		For Bituminous Coated And 25% Paved, Add	*42.09*	
		For Smooth-Flo, Add	*83.81*	
33 42 11 00-0579	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	168.16	30.29
		For Bituminous Coated Pipe, Add	*21.77*	
		For Bituminous Coated And 25% Paved, Add	*49.42*	
		For Smooth-Flo, Add	*98.41*	
33 42 11 00-0580	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	189.00	34.94
		For Bituminous Coated Pipe, Add	*24.42*	
		For Bituminous Coated And 25% Paved, Add	*55.43*	
		For Smooth-Flo, Add	*110.38*	
33 42 11 00-0581	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	225.87	39.60
		For Bituminous Coated Pipe, Add	*29.83*	
		For Bituminous Coated And 25% Paved, Add	*67.71*	
		For Smooth-Flo, Add	*134.82*	
33 42 11 00-0582	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	246.10	41.93
		For Bituminous Coated Pipe, Add	*32.50*	
		For Bituminous Coated And 25% Paved, Add	*73.77*	
		For Smooth-Flo, Add	*146.88*	
33 42 11 00-0583	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	309.05	51.25
		For Bituminous Coated Pipe, Add	*41.74*	
		For Bituminous Coated And 25% Paved, Add	*94.75*	
		For Smooth-Flo, Add	*188.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0584	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	370.71	74.55
		For Bituminous Coated Pipe, Add	*44.49*	
		For Bituminous Coated And 25% Paved, Add	*101.00*	
		For Smooth-Flo, Add	*201.10*	
33 42 11 00-0585	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	399.35	81.54
		For Bituminous Coated Pipe, Add	*47.25*	
		For Bituminous Coated And 25% Paved, Add	*107.27*	
		For Smooth-Flo, Add	*213.59*	
33 42 11 00-0586	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	424.79	87.36
		For Bituminous Coated Pipe, Add	*50.02*	
		For Bituminous Coated And 25% Paved, Add	*113.54*	
		For Smooth-Flo, Add	*226.07*	
33 42 11 00-0587	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	450.31	93.19
		For Bituminous Coated Pipe, Add	*52.79*	
		For Bituminous Coated And 25% Paved, Add	*119.83*	
		For Smooth-Flo, Add	*238.60*	
33 42 11 00-0588	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	476.57	99.01
		For Bituminous Coated Pipe, Add	*55.54*	
		For Bituminous Coated And 25% Paved, Add	*126.08*	
		For Smooth-Flo, Add	*251.04*	
33 42 11 00-0589	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	506.17	104.83
		For Bituminous Coated Pipe, Add	*58.32*	
		For Bituminous Coated And 25% Paved, Add	*132.39*	
		For Smooth-Flo, Add	*263.62*	
33 42 11 00-0590		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*		
33 42 11 00-0591	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	249.37	39.60
		For Bituminous Coated Pipe, Add	*34.53*	
		For Bituminous Coated And 25% Paved, Add	*67.67*	
		For Smooth-Flo, Add	*136.73*	
33 42 11 00-0592	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	272.11	41.93
		For Bituminous Coated Pipe, Add	*37.70*	
		For Bituminous Coated And 25% Paved, Add	*73.89*	
		For Smooth-Flo, Add	*149.28*	
33 42 11 00-0593	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	337.66	51.25
		For Bituminous Coated Pipe, Add	*47.46*	
		For Bituminous Coated And 25% Paved, Add	*93.03*	
		For Smooth-Flo, Add	*187.95*	
33 42 11 00-0594	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	401.87	74.55
		For Bituminous Coated Pipe, Add	*50.72*	
		For Bituminous Coated And 25% Paved, Add	*99.42*	
		For Smooth-Flo, Add	*200.87*	
33 42 11 00-0595	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	433.02	81.54
		For Bituminous Coated Pipe, Add	*53.99*	
		For Bituminous Coated And 25% Paved, Add	*105.82*	
		For Smooth-Flo, Add	*213.79*	
33 42 11 00-0596	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	461.11	87.36
		For Bituminous Coated Pipe, Add	*57.28*	
		For Bituminous Coated And 25% Paved, Add	*112.27*	
		For Smooth-Flo, Add	*226.83*	
33 42 11 00-0597	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	489.08	93.19
		For Bituminous Coated Pipe, Add	*60.54*	
		For Bituminous Coated And 25% Paved, Add	*118.66*	
		For Smooth-Flo, Add	*239.75*	
33 42 11 00-0598	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	517.89	99.01
		For Bituminous Coated Pipe, Add	*63.80*	
		For Bituminous Coated And 25% Paved, Add	*125.06*	
		For Smooth-Flo, Add	*252.66*	
33 42 11 00-0599	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	550.00	104.83
		For Bituminous Coated Pipe, Add	*67.09*	
		For Bituminous Coated And 25% Paved, Add	*131.49*	
		For Smooth-Flo, Add	*265.67*	
33 42 11 00-0600	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	584.81	116.48
		For Bituminous Coated Pipe, Add	*70.37*	
		For Bituminous Coated And 25% Paved, Add	*137.93*	
		For Smooth-Flo, Add	*278.67*	
33 42 11 00-0601	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	618.84	128.13
		For Bituminous Coated Pipe, Add	*73.59*	
		For Bituminous Coated And 25% Paved, Add	*144.24*	
		For Smooth-Flo, Add	*291.42*	
33 42 11 00-0602		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*		
33 42 11 00-0603	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	329.79	41.93
		For Bituminous Coated Pipe, Add	*49.23*	
		For Bituminous Coated And 25% Paved, Add	*93.79*	
		For Smooth-Flo, Add	*152.87*	
33 42 11 00-0604	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	401.55	51.25
		For Bituminous Coated Pipe, Add	*60.24*	
		For Bituminous Coated And 25% Paved, Add	*114.76*	
		For Smooth-Flo, Add	*187.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0605	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	471.34	74.55
		For Bituminous Coated Pipe, Add	*64.62*	
		For Bituminous Coated And 25% Paved, Add	*123.10*	
		For Smooth-Flo, Add	*200.64*	
33 42 11 00-0606	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	508.11	81.54
		For Bituminous Coated Pipe, Add	*69.01*	
		For Bituminous Coated And 25% Paved, Add	*131.46*	
		For Smooth-Flo, Add	*214.26*	
33 42 11 00-0607	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	541.78	87.36
		For Bituminous Coated Pipe, Add	*73.41*	
		For Bituminous Coated And 25% Paved, Add	*139.85*	
		For Smooth-Flo, Add	*227.95*	
33 42 11 00-0608	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	575.38	93.19
		For Bituminous Coated Pipe, Add	*77.80*	
		For Bituminous Coated And 25% Paved, Add	*148.21*	
		For Smooth-Flo, Add	*241.58*	
33 42 11 00-0609	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	609.87	99.01
		For Bituminous Coated Pipe, Add	*82.20*	
		For Bituminous Coated And 25% Paved, Add	*156.59*	
		For Smooth-Flo, Add	*255.23*	
33 42 11 00-0610	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	647.60	104.83
		For Bituminous Coated Pipe, Add	*86.61*	
		For Bituminous Coated And 25% Paved, Add	*164.99*	
		For Smooth-Flo, Add	*268.92*	
33 42 11 00-0611	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	687.94	116.48
		For Bituminous Coated Pipe, Add	*91.00*	
		For Bituminous Coated And 25% Paved, Add	*173.35*	
		For Smooth-Flo, Add	*282.54*	
33 42 11 00-0612	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	727.64	128.13
		For Bituminous Coated Pipe, Add	*95.35*	
		For Bituminous Coated And 25% Paved, Add	*181.65*	
		For Smooth-Flo, Add	*296.07*	
33 42 11 00-0613	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	766.14	139.78
		For Bituminous Coated Pipe, Add	*99.76*	
		For Bituminous Coated And 25% Paved, Add	*190.05*	
		For Smooth-Flo, Add	*309.76*	

33 42 11 00-0614 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0576)*

33 42 11 00-0615	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	536.11	74.55
		For Bituminous Coated Pipe, Add	*77.57*	
		For Bituminous Coated And 25% Paved, Add	*147.39*	
		For Smooth-Flo, Add	*197.03*	
33 42 11 00-0616	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	578.20	81.54
		For Bituminous Coated Pipe, Add	*83.02*	
		For Bituminous Coated And 25% Paved, Add	*157.75*	
		For Smooth-Flo, Add	*210.88*	
33 42 11 00-0617	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	617.18	87.36
		For Bituminous Coated Pipe, Add	*88.49*	
		For Bituminous Coated And 25% Paved, Add	*168.14*	
		For Smooth-Flo, Add	*224.77*	
33 42 11 00-0618	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	656.10	93.19
		For Bituminous Coated Pipe, Add	*93.95*	
		For Bituminous Coated And 25% Paved, Add	*178.50*	
		For Smooth-Flo, Add	*238.62*	
33 42 11 00-0619	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	695.90	99.01
		For Bituminous Coated Pipe, Add	*99.41*	
		For Bituminous Coated And 25% Paved, Add	*188.87*	
		For Smooth-Flo, Add	*252.49*	
33 42 11 00-0620	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	738.95	104.83
		For Bituminous Coated Pipe, Add	*104.88*	
		For Bituminous Coated And 25% Paved, Add	*199.27*	
		For Smooth-Flo, Add	*266.39*	
33 42 11 00-0621	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	784.61	116.48
		For Bituminous Coated Pipe, Add	*110.33*	
		For Bituminous Coated And 25% Paved, Add	*209.63*	
		For Smooth-Flo, Add	*280.24*	
33 42 11 00-0622	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	829.57	128.13
		For Bituminous Coated Pipe, Add	*115.74*	
		For Bituminous Coated And 25% Paved, Add	*219.90*	
		For Smooth-Flo, Add	*293.97*	
33 42 11 00-0623	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	873.43	139.78
		For Bituminous Coated Pipe, Add	*121.22*	
		For Bituminous Coated And 25% Paved, Add	*230.32*	
		For Smooth-Flo, Add	*307.90*	
33 42 11 00-0624	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	919.34	151.43
		For Bituminous Coated Pipe, Add	*126.65*	
		For Bituminous Coated And 25% Paved, Add	*240.64*	
		For Smooth-Flo, Add	*321.69*	
33 42 11 00-0625	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	968.29	163.08
		For Bituminous Coated Pipe, Add	*132.12*	
		For Bituminous Coated And 25% Paved, Add	*251.03*	
		For Smooth-Flo, Add	*335.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0626	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	1,020.82	174.72
		For Bituminous Coated Pipe, Add	*137.60*	
		For Bituminous Coated And 25% Paved, Add	*261.45*	
		For Smooth-Flo, Add	*349.51*	

33 42 11 00-0627 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0628 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*

33 42 11 00-0629	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	189.67	34.94
		For Bituminous Coated Pipe, Add	*30.69*	
		For Bituminous Coated And 25% Paved, Add	*69.98*	
		For Smooth-Flo, Add	*111.11*	
33 42 11 00-0630	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	227.17	39.60
		For Bituminous Coated Pipe, Add	*37.61*	
		For Bituminous Coated And 25% Paved, Add	*85.75*	
		For Smooth-Flo, Add	*136.15*	
33 42 11 00-0631	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	247.25	41.93
		For Bituminous Coated Pipe, Add	*40.91*	
		For Bituminous Coated And 25% Paved, Add	*93.27*	
		For Smooth-Flo, Add	*148.09*	
33 42 11 00-0632	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	306.34	51.25
		For Bituminous Coated Pipe, Add	*51.50*	
		For Bituminous Coated And 25% Paved, Add	*117.41*	
		For Smooth-Flo, Add	*186.42*	
33 42 11 00-0633	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	367.69	74.55
		For Bituminous Coated Pipe, Add	*54.86*	
		For Bituminous Coated And 25% Paved, Add	*125.08*	
		For Smooth-Flo, Add	*198.59*	
33 42 11 00-0634	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	395.91	81.54
		For Bituminous Coated Pipe, Add	*58.21*	
		For Bituminous Coated And 25% Paved, Add	*132.71*	
		For Smooth-Flo, Add	*210.71*	
33 42 11 00-0635	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	420.88	87.36
		For Bituminous Coated Pipe, Add	*61.54*	
		For Bituminous Coated And 25% Paved, Add	*140.32*	
		For Smooth-Flo, Add	*222.78*	
33 42 11 00-0636	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	445.83	93.19
		For Bituminous Coated Pipe, Add	*64.87*	
		For Bituminous Coated And 25% Paved, Add	*147.89*	
		For Smooth-Flo, Add	*234.81*	
33 42 11 00-0637	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	471.83	99.01
		For Bituminous Coated Pipe, Add	*68.24*	
		For Bituminous Coated And 25% Paved, Add	*155.59*	
		For Smooth-Flo, Add	*247.03*	
33 42 11 00-0638	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	501.33	104.83
		For Bituminous Coated Pipe, Add	*71.69*	
		For Bituminous Coated And 25% Paved, Add	*163.46*	
		For Smooth-Flo, Add	*259.53*	

33 42 11 00-0639 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*

33 42 11 00-0640	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	256.57	39.60
		For Bituminous Coated Pipe, Add	*35.97*	
		For Bituminous Coated And 25% Paved, Add	*84.52*	
		For Smooth-Flo, Add	*153.04*	
33 42 11 00-0641	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	279.92	41.93
		For Bituminous Coated Pipe, Add	*39.26*	
		For Bituminous Coated And 25% Paved, Add	*92.26*	
		For Smooth-Flo, Add	*167.05*	
33 42 11 00-0642	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	341.99	51.25
		For Bituminous Coated Pipe, Add	*48.33*	
		For Bituminous Coated And 25% Paved, Add	*113.57*	
		For Smooth-Flo, Add	*205.64*	
33 42 11 00-0643	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	406.20	74.55
		For Bituminous Coated Pipe, Add	*51.59*	
		For Bituminous Coated And 25% Paved, Add	*121.24*	
		For Smooth-Flo, Add	*219.52*	
33 42 11 00-0644	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	437.91	81.54
		For Bituminous Coated Pipe, Add	*54.97*	
		For Bituminous Coated And 25% Paved, Add	*129.17*	
		For Smooth-Flo, Add	*233.88*	
33 42 11 00-0645	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	466.17	87.36
		For Bituminous Coated Pipe, Add	*58.29*	
		For Bituminous Coated And 25% Paved, Add	*136.99*	
		For Smooth-Flo, Add	*248.03*	
33 42 11 00-0646	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	492.73	93.19
		For Bituminous Coated Pipe, Add	*61.27*	
		For Bituminous Coated And 25% Paved, Add	*143.99*	
		For Smooth-Flo, Add	*260.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0647	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	523.47	99.01
		For Bituminous Coated Pipe, Add	*64.92*	
		For Bituminous Coated And 25% Paved, Add	*152.56*	
		For Smooth-Flo, Add	*276.23*	
33 42 11 00-0648	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	555.73	104.83
		For Bituminous Coated Pipe, Add	*68.23*	
		For Bituminous Coated And 25% Paved, Add	*160.35*	
		For Smooth-Flo, Add	*290.34*	
33 42 11 00-0649	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	590.55	116.48
		For Bituminous Coated Pipe, Add	*71.52*	
		For Bituminous Coated And 25% Paved, Add	*168.07*	
		For Smooth-Flo, Add	*304.31*	
33 42 11 00-0650	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	625.30	128.13
		For Bituminous Coated Pipe, Add	*74.88*	
		For Bituminous Coated And 25% Paved, Add	*175.98*	
		For Smooth-Flo, Add	*318.63*	

33 42 11 00-0651 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*

33 42 11 00-0652	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	341.10	41.93
		For Bituminous Coated Pipe, Add	*51.50*	
		For Bituminous Coated And 25% Paved, Add	*97.84*	
		For Smooth-Flo, Add	*176.63*	
33 42 11 00-0653	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	409.37	51.25
		For Bituminous Coated Pipe, Add	*61.80*	
		For Bituminous Coated And 25% Paved, Add	*117.43*	
		For Smooth-Flo, Add	*211.99*	
33 42 11 00-0654	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	479.99	74.55
		For Bituminous Coated Pipe, Add	*66.35*	
		For Bituminous Coated And 25% Paved, Add	*126.06*	
		For Smooth-Flo, Add	*227.57*	
33 42 11 00-0655	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	517.38	81.54
		For Bituminous Coated Pipe, Add	*70.86*	
		For Bituminous Coated And 25% Paved, Add	*134.63*	
		For Smooth-Flo, Add	*243.05*	
33 42 11 00-0656	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	551.37	87.36
		For Bituminous Coated Pipe, Add	*75.33*	
		For Bituminous Coated And 25% Paved, Add	*143.13*	
		For Smooth-Flo, Add	*258.39*	
33 42 11 00-0657	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	585.70	93.19
		For Bituminous Coated Pipe, Add	*79.87*	
		For Bituminous Coated And 25% Paved, Add	*151.75*	
		For Smooth-Flo, Add	*273.94*	
33 42 11 00-0658	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	620.71	99.01
		For Bituminous Coated Pipe, Add	*84.37*	
		For Bituminous Coated And 25% Paved, Add	*160.30*	
		For Smooth-Flo, Add	*289.38*	
33 42 11 00-0659	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	658.86	104.83
		For Bituminous Coated Pipe, Add	*88.86*	
		For Bituminous Coated And 25% Paved, Add	*168.83*	
		For Smooth-Flo, Add	*304.79*	
33 42 11 00-0660	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	699.93	116.48
		For Bituminous Coated Pipe, Add	*93.39*	
		For Bituminous Coated And 25% Paved, Add	*177.45*	
		For Smooth-Flo, Add	*320.34*	
33 42 11 00-0661	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	740.36	128.13
		For Bituminous Coated Pipe, Add	*97.90*	
		For Bituminous Coated And 25% Paved, Add	*186.00*	
		For Smooth-Flo, Add	*335.78*	
33 42 11 00-0662	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	779.32	139.78
		For Bituminous Coated Pipe, Add	*102.40*	
		For Bituminous Coated And 25% Paved, Add	*194.56*	
		For Smooth-Flo, Add	*351.23*	

33 42 11 00-0663 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0627)*

33 42 11 00-0664	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	550.65	74.55
		For Bituminous Coated Pipe, Add	*80.48*	
		For Bituminous Coated And 25% Paved, Add	*152.91*	
		For Smooth-Flo, Add	*240.23*	
33 42 11 00-0665	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	594.61	81.54
		For Bituminous Coated Pipe, Add	*86.31*	
		For Bituminous Coated And 25% Paved, Add	*163.98*	
		For Smooth-Flo, Add	*257.62*	
33 42 11 00-0666	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	634.75	87.36
		For Bituminous Coated Pipe, Add	*92.01*	
		For Bituminous Coated And 25% Paved, Add	*174.82*	
		For Smooth-Flo, Add	*274.64*	
33 42 11 00-0667	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	674.65	93.19
		For Bituminous Coated Pipe, Add	*97.66*	
		For Bituminous Coated And 25% Paved, Add	*185.55*	
		For Smooth-Flo, Add	*291.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0668	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	715.71	99.01
		For Bituminous Coated Pipe, Add	*103.37*	
		For Bituminous Coated And 25% Paved, Add	*196.40*	
		For Smooth-Flo, Add	*308.55*	
33 42 11 00-0669	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	759.69	104.83
		For Bituminous Coated Pipe, Add	*109.03*	
		For Bituminous Coated And 25% Paved, Add	*207.15*	
		For Smooth-Flo, Add	*325.44*	
33 42 11 00-0670	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	806.60	116.48
		For Bituminous Coated Pipe, Add	*114.73*	
		For Bituminous Coated And 25% Paved, Add	*217.98*	
		For Smooth-Flo, Add	*342.46*	
33 42 11 00-0671	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	852.97	128.13
		For Bituminous Coated Pipe, Add	*120.42*	
		For Bituminous Coated And 25% Paved, Add	*228.79*	
		For Smooth-Flo, Add	*359.45*	
33 42 11 00-0672	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	897.72	139.78
		For Bituminous Coated Pipe, Add	*126.08*	
		For Bituminous Coated And 25% Paved, Add	*239.55*	
		For Smooth-Flo, Add	*376.34*	
33 42 11 00-0673	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	953.84	151.43
		For Bituminous Coated Pipe, Add	*133.55*	
		For Bituminous Coated And 25% Paved, Add	*253.75*	
		For Smooth-Flo, Add	*398.65*	
33 42 11 00-0674	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,006.23	163.08
		For Bituminous Coated Pipe, Add	*139.71*	
		For Bituminous Coated And 25% Paved, Add	*265.45*	
		For Smooth-Flo, Add	*417.03*	
33 42 11 00-0675	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,063.34	174.72
		For Bituminous Coated Pipe, Add	*146.11*	
		For Bituminous Coated And 25% Paved, Add	*277.61*	
		For Smooth-Flo, Add	*436.13*	

33 42 11 00-0676 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*

33 42 11 00-0677 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0676)*

33 42 11 00-0678	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	65.96	13.00
		For Bituminous Coated Pipe, Add	*9.46*	
33 42 11 00-0679	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	75.73	14.09
		For Bituminous Coated Pipe, Add	*11.27*	
33 42 11 00-0680	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	84.63	15.17
		For Bituminous Coated Pipe, Add	*12.80*	
33 42 11 00-0681	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	110.77	19.50
		For Bituminous Coated Pipe, Add	*16.49*	
33 42 11 00-0682	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	143.05	25.63
		For Bituminous Coated Pipe, Add	*20.66*	
33 42 11 00-0683	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	163.89	30.29
		For Bituminous Coated Pipe, Add	*24.37*	
33 42 11 00-0684	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	184.62	34.94
		For Bituminous Coated Pipe, Add	*27.43*	
33 42 11 00-0685	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	220.92	39.60
		For Bituminous Coated Pipe, Add	*33.60*	
33 42 11 00-0686	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	241.05	41.93
		For Bituminous Coated Pipe, Add	*36.68*	

33 42 11 00-0687 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0676)*

33 42 11 00-0688	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.74	13.00
		For Bituminous Coated Pipe, Add	*10.94*	
33 42 11 00-0689	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	83.65	14.09
		For Bituminous Coated Pipe, Add	*13.00*	
33 42 11 00-0690	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	93.65	15.17
		For Bituminous Coated Pipe, Add	*14.77*	
33 42 11 00-0691	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	121.97	19.50
		For Bituminous Coated Pipe, Add	*18.94*	
33 42 11 00-0692	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	156.55	25.63
		For Bituminous Coated Pipe, Add	*23.61*	
33 42 11 00-0693	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	179.68	30.29
		For Bituminous Coated Pipe, Add	*27.81*	
33 42 11 00-0694	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	202.65	34.94
		For Bituminous Coated Pipe, Add	*31.36*	
33 42 11 00-0695	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	241.19	39.60
		For Bituminous Coated Pipe, Add	*37.99*	
33 42 11 00-0696	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	263.61	41.93
		For Bituminous Coated Pipe, Add	*41.58*	
33 42 11 00-0697	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	323.96	51.25
		For Bituminous Coated Pipe, Add	*51.65*	
33 42 11 00-0698	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	387.18	74.55
		For Bituminous Coated Pipe, Add	*55.19*	
33 42 11 00-0699	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	417.59	81.54
		For Bituminous Coated Pipe, Add	*58.79*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0700		12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0676)*		
33 42 11 00-0701	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	144.69	19.50
		For Bituminous Coated Pipe, Add	*19.79*	
33 42 11 00-0702	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	183.70	25.63
		For Bituminous Coated Pipe, Add	*24.45*	
33 42 11 00-0703	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	211.46	30.29
		For Bituminous Coated Pipe, Add	*28.76*	
33 42 11 00-0704	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	238.92	34.94
		For Bituminous Coated Pipe, Add	*32.51*	
33 42 11 00-0705	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	282.05	39.60
		For Bituminous Coated Pipe, Add	*38.81*	
33 42 11 00-0706	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	309.05	41.93
		For Bituminous Coated Pipe, Add	*42.61*	
33 42 11 00-0707	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	373.83	51.25
		For Bituminous Coated Pipe, Add	*51.69*	
33 42 11 00-0708	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	441.53	74.55
		For Bituminous Coated Pipe, Add	*55.43*	
33 42 11 00-0709	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	476.42	81.54
		For Bituminous Coated Pipe, Add	*59.22*	
33 42 11 00-0710	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	508.01	87.36
		For Bituminous Coated Pipe, Add	*62.99*	
33 42 11 00-0711	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	539.58	93.19
		For Bituminous Coated Pipe, Add	*66.76*	
33 42 11 00-0712	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	571.98	99.01
		For Bituminous Coated Pipe, Add	*70.52*	
33 42 11 00-0713	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	605.39	104.83
		For Bituminous Coated Pipe, Add	*73.87*	
33 42 11 00-0714		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0715		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0714)*		
33 42 11 00-0716	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.86	6.50
		For Bituminous Coated Pipe, Add	*2.42*	
33 42 11 00-0717	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.88	6.50
		For Bituminous Coated Pipe, Add	*2.91*	
33 42 11 00-0718	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	28.81	8.12
		For Bituminous Coated Pipe, Add	*3.20*	
33 42 11 00-0719	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	31.38	8.12
		For Bituminous Coated Pipe, Add	*3.83*	
33 42 11 00-0720	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	36.40	9.75
		For Bituminous Coated Pipe, Add	*4.02*	
33 42 11 00-0721	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	39.65	9.75
		For Bituminous Coated Pipe, Add	*4.81*	
33 42 11 00-0722		Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0714)*		
33 42 11 00-0723	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.15	6.50
		For Bituminous Coated Pipe, Add	*2.39*	
33 42 11 00-0724	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	25.10	6.50
		For Bituminous Coated Pipe, Add	*2.84*	
33 42 11 00-0725	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	29.10	8.12
		For Bituminous Coated Pipe, Add	*3.13*	
33 42 11 00-0726	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	31.82	8.12
		For Bituminous Coated Pipe, Add	*3.77*	
33 42 11 00-0727	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	36.88	9.75
		For Bituminous Coated Pipe, Add	*3.97*	
33 42 11 00-0728	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	40.21	9.75
		For Bituminous Coated Pipe, Add	*4.75*	
33 42 11 00-0729		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0714)*		
33 42 11 00-0730	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.93	
		For Bituminous Coated Pipe, Add	*3.36*	
33 42 11 00-0731	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	19.76	
		For Bituminous Coated Pipe, Add	*4.45*	
33 42 11 00-0732	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.23	
		For Bituminous Coated Pipe, Add	*5.45*	
33 42 11 00-0733	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	53.84	
		For Bituminous Coated Pipe, Add	*7.43*	
33 42 11 00-0734	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.91	
		For Bituminous Coated Pipe, Add	*1.70*	
33 42 11 00-0735	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.00	
		For Bituminous Coated Pipe, Add	*2.54*	
33 42 11 00-0736		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0737		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*		
33 42 11 00-0738	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	74.01	11.38
33 42 11 00-0739	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	87.93	11.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0740	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	102.29	13.00
33 42 11 00-0741	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	119.32	14.09
33 42 11 00-0742	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	133.27	15.17
33 42 11 00-0743	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	174.23	19.50
33 42 11 00-0744	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	223.79	25.63
33 42 11 00-0745	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	259.73	30.29
33 42 11 00-0746	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	291.43	34.94
33 42 11 00-0747		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*		
33 42 11 00-0748	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	84.91	11.38
33 42 11 00-0749	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	101.43	11.92
33 42 11 00-0750	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	118.47	13.00
33 42 11 00-0751	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	138.05	14.09
33 42 11 00-0752	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	155.03	15.17
33 42 11 00-0753	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	200.94	19.50
33 42 11 00-0754	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	256.03	25.63
33 42 11 00-0755	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	296.73	30.29
33 42 11 00-0756	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	333.67	34.94
33 42 11 00-0757	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	404.84	39.60
33 42 11 00-0758		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*		
33 42 11 00-0759	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	152.19	13.00
33 42 11 00-0760	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	177.43	14.09
33 42 11 00-0761	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	199.79	15.17
33 42 11 00-0762	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	256.87	19.50
33 42 11 00-0763	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	309.43	25.63
33 42 11 00-0764	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	374.96	30.29
33 42 11 00-0765	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	422.94	34.94
33 42 11 00-0766	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	506.71	39.60
33 42 11 00-0767	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	553.74	41.93
33 42 11 00-0768	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	678.60	51.25
33 42 11 00-0769		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0736)*		
33 42 11 00-0770	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	384.44	25.63
33 42 11 00-0771	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	446.22	30.29
33 42 11 00-0772	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	503.89	34.94
33 42 11 00-0773	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	597.39	39.60
33 42 11 00-0774	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	654.70	41.93
33 42 11 00-0775	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	789.47	51.25
33 42 11 00-0776	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	887.09	74.55
33 42 11 00-0777		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0778		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0779	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	285.69	25.63
33 42 11 00-0780	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	331.11	30.29
33 42 11 00-0781	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	371.47	34.94
33 42 11 00-0782	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	450.36	39.60
33 42 11 00-0783	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	490.36	41.93
33 42 11 00-0784	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	625.54	51.25
33 42 11 00-0785	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	707.63	74.55
33 42 11 00-0786	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	756.62	81.54
33 42 11 00-0787	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	802.54	87.36
33 42 11 00-0788	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	848.53	93.19
33 42 11 00-0789	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	895.19	99.01
33 42 11 00-0790	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	945.35	104.83
33 42 11 00-0791		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0792	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	508.65	39.60
33 42 11 00-0793	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	554.80	41.93
33 42 11 00-0794	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	696.52	51.25
33 42 11 00-0795	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	784.82	74.55
33 42 11 00-0796	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	840.13	81.54
33 42 11 00-0797	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	892.58	87.36
33 42 11 00-0798	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	944.69	93.19
33 42 11 00-0799	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	997.62	99.01
33 42 11 00-0800	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,054.14	104.83
33 42 11 00-0801	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,113.20	116.48
33 42 11 00-0802	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,171.03	128.13
33 42 11 00-0803		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0804	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	701.41	41.93
33 42 11 00-0805	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	859.61	51.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0806	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	962.06	74.55
33 42 11 00-0807	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,031.57	81.54
33 42 11 00-0808	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,098.17	87.36
33 42 11 00-0809	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,164.51	93.19
33 42 11 00-0810	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,231.77	99.01
33 42 11 00-0811	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,302.40	104.83
33 42 11 00-0812	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,375.49	116.48
33 42 11 00-0813	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,447.74	128.13
33 42 11 00-0814	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,519.16	139.78
33 42 11 00-0815		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0777)*		
33 42 11 00-0816	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,123.56	74.55
33 42 11 00-0817	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,206.23	81.54
33 42 11 00-0818	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,286.10	87.36
33 42 11 00-0819	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,365.64	93.19
33 42 11 00-0820	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,446.20	99.01
33 42 11 00-0821	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,530.08	104.83
33 42 11 00-0822	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,616.44	116.48
33 42 11 00-0823	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,701.87	128.13
33 42 11 00-0824	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,786.53	139.78
33 42 11 00-0825	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,873.02	151.43
33 42 11 00-0826	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,962.80	163.08
33 42 11 00-0827	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	2,056.18	174.72
33 42 11 00-0828		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0534)*		
33 42 11 00-0829		16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0828)*		
33 42 11 00-0830	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	358.90	34.94
33 42 11 00-0831	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	436.52	39.60
33 42 11 00-0832	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	474.51	41.93
33 42 11 00-0833	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	596.08	51.25
33 42 11 00-0834	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	675.76	74.55
33 42 11 00-0835	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	722.24	81.54
33 42 11 00-0836	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	765.32	87.36
33 42 11 00-0837	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	808.31	93.19
33 42 11 00-0838	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	852.61	99.01
33 42 11 00-0839	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	901.01	104.83
33 42 11 00-0840		14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0828)*		
33 42 11 00-0841	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	505.77	39.60
33 42 11 00-0842	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	551.63	41.93
33 42 11 00-0843	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	680.20	51.25
33 42 11 00-0844	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	766.65	74.55
33 42 11 00-0845	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	821.34	81.54
33 42 11 00-0846	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	872.13	87.36
33 42 11 00-0847	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	918.99	93.19
33 42 11 00-0848	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	974.52	99.01
33 42 11 00-0849	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,029.38	104.83
33 42 11 00-0850	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,086.47	116.48
33 42 11 00-0851	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,144.11	128.13
33 42 11 00-0852		12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0828)*		
33 42 11 00-0853	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	706.22	41.93
33 42 11 00-0854	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	851.22	51.25
33 42 11 00-0855	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	953.83	74.55
33 42 11 00-0856	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,022.73	81.54
33 42 11 00-0857	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,088.02	87.36
33 42 11 00-0858	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,154.17	93.19
33 42 11 00-0859	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,220.75	99.01
33 42 11 00-0860	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,290.30	104.83
33 42 11 00-0861	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,363.18	116.48
33 42 11 00-0862	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,435.17	128.13
33 42 11 00-0863	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,505.65	139.78
33 42 11 00-0864		10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0828)*		
33 42 11 00-0865	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,123.49	74.55
33 42 11 00-0866	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,208.17	81.54
33 42 11 00-0867	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,288.32	87.36
33 42 11 00-0868	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,367.83	93.19
33 42 11 00-0869	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,448.78	99.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0870	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,532.52	104.83
33 42 11 00-0871	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,619.27	116.48
33 42 11 00-0872	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,705.50	128.13
33 42 11 00-0873	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,789.98	139.78
33 42 11 00-0874	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,898.41	151.43
33 42 11 00-0875	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,994.01	163.08
33 42 11 00-0876	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,095.93	174.72

33 42 11 00-0877 Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0533)*

33 42 11 00-0878 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*

33 42 11 00-0879 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0878)*

33 42 11 00-0880	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	52.09	11.92
		For Bituminous Coated Pipe, Add	*6.88*	
		For Bituminous Coated And 25% Paved, Add	*16.63*	
		For Smooth-Flo, Add	*27.43*	
33 42 11 00-0881	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	58.36	13.00
		For Bituminous Coated Pipe, Add	*8.21*	
		For Bituminous Coated And 25% Paved, Add	*19.86*	
		For Smooth-Flo, Add	*32.76*	
33 42 11 00-0882	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	67.08	14.09
		For Bituminous Coated Pipe, Add	*9.89*	
		For Bituminous Coated And 25% Paved, Add	*23.91*	
		For Smooth-Flo, Add	*39.43*	
33 42 11 00-0883	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	75.46	15.17
		For Bituminous Coated Pipe, Add	*11.39*	
		For Bituminous Coated And 25% Paved, Add	*27.54*	
		For Smooth-Flo, Add	*45.43*	
33 42 11 00-0884	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	98.10	19.50
		For Bituminous Coated Pipe, Add	*14.47*	
		For Bituminous Coated And 25% Paved, Add	*34.98*	
		For Smooth-Flo, Add	*57.69*	
33 42 11 00-0885	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	129.30	25.63
		For Bituminous Coated Pipe, Add	*18.66*	
		For Bituminous Coated And 25% Paved, Add	*45.11*	
		For Smooth-Flo, Add	*74.42*	

33 42 11 00-0886 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0878)*

33 42 11 00-0887	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	57.66	11.92
		For Bituminous Coated Pipe, Add	*7.14*	
		For Bituminous Coated And 25% Paved, Add	*16.69*	
		For Smooth-Flo, Add	*27.38*	
33 42 11 00-0888	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	65.18	13.00
		For Bituminous Coated Pipe, Add	*8.56*	
		For Bituminous Coated And 25% Paved, Add	*20.02*	
		For Smooth-Flo, Add	*32.84*	
33 42 11 00-0889	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	74.69	14.09
		For Bituminous Coated Pipe, Add	*10.17*	
		For Bituminous Coated And 25% Paved, Add	*23.80*	
		For Smooth-Flo, Add	*39.04*	
33 42 11 00-0890	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	84.27	15.17
		For Bituminous Coated Pipe, Add	*11.73*	
		For Bituminous Coated And 25% Paved, Add	*27.44*	
		For Smooth-Flo, Add	*45.01*	
33 42 11 00-0891	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	109.10	19.50
		For Bituminous Coated Pipe, Add	*14.86*	
		For Bituminous Coated And 25% Paved, Add	*34.76*	
		For Smooth-Flo, Add	*57.01*	
33 42 11 00-0892	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	142.38	25.63
		For Bituminous Coated Pipe, Add	*18.92*	
		For Bituminous Coated And 25% Paved, Add	*44.27*	
		For Smooth-Flo, Add	*72.62*	
33 42 11 00-0893	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	164.15	30.29
		For Bituminous Coated Pipe, Add	*22.54*	
		For Bituminous Coated And 25% Paved, Add	*52.74*	
		For Smooth-Flo, Add	*86.50*	

33 42 11 00-0894 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0878)*

33 42 11 00-0895	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	85.34	13.98
		For Bituminous Coated Pipe, Add	*9.26*	
		For Bituminous Coated And 25% Paved, Add	*20.61*	
		For Smooth-Flo, Add	*31.68*	
33 42 11 00-0896	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	97.80	15.14
		For Bituminous Coated Pipe, Add	*10.98*	
		For Bituminous Coated And 25% Paved, Add	*24.44*	
		For Smooth-Flo, Add	*37.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0897	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	110.07	16.31
		For Bituminous Coated Pipe, Add	*12.59*	
		For Bituminous Coated And 25% Paved, Add	*28.03*	
		For Smooth-Flo, Add	*43.10*	
33 42 11 00-0898	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	141.83	20.97
		For Bituminous Coated Pipe, Add	*15.86*	
		For Bituminous Coated And 25% Paved, Add	*35.29*	
		For Smooth-Flo, Add	*54.26*	
33 42 11 00-0899	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	169.06	25.63
		For Bituminous Coated Pipe, Add	*19.84*	
		For Bituminous Coated And 25% Paved, Add	*44.16*	
		For Smooth-Flo, Add	*67.90*	
33 42 11 00-0900	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	194.94	30.29
		For Bituminous Coated Pipe, Add	*23.47*	
		For Bituminous Coated And 25% Paved, Add	*52.22*	
		For Smooth-Flo, Add	*80.30*	
33 42 11 00-0901	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	227.77	34.94
		For Bituminous Coated Pipe, Add	*27.83*	
		For Bituminous Coated And 25% Paved, Add	*61.93*	
		For Smooth-Flo, Add	*95.24*	
33 42 11 00-0902	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	254.38	39.60
		For Bituminous Coated Pipe, Add	*30.73*	
		For Bituminous Coated And 25% Paved, Add	*68.40*	
		For Smooth-Flo, Add	*105.17*	
33 42 11 00-0903		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0878)*		
33 42 11 00-0904	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	194.17	25.63
		For Bituminous Coated Pipe, Add	*23.91*	
		For Bituminous Coated And 25% Paved, Add	*50.33*	
		For Smooth-Flo, Add	*63.47*	
33 42 11 00-0905	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	224.23	30.29
		For Bituminous Coated Pipe, Add	*28.20*	
		For Bituminous Coated And 25% Paved, Add	*59.37*	
		For Smooth-Flo, Add	*74.88*	
33 42 11 00-0906	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	260.96	34.94
		For Bituminous Coated Pipe, Add	*33.18*	
		For Bituminous Coated And 25% Paved, Add	*69.86*	
		For Smooth-Flo, Add	*88.10*	
33 42 11 00-0907	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	291.90	39.60
		For Bituminous Coated Pipe, Add	*36.79*	
		For Bituminous Coated And 25% Paved, Add	*77.46*	
		For Smooth-Flo, Add	*97.69*	
33 42 11 00-0908	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	319.84	41.93
		For Bituminous Coated Pipe, Add	*40.39*	
		For Bituminous Coated And 25% Paved, Add	*85.04*	
		For Smooth-Flo, Add	*107.24*	
33 42 11 00-0909		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0910		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0909)*		
33 42 11 00-0911	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	254.01	39.60
		For Bituminous Coated Pipe, Add	*35.46*	
		For Bituminous Coated And 25% Paved, Add	*107.79*	
		For Smooth-Flo, Add	*120.55*	
33 42 11 00-0912	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	277.63	41.93
		For Bituminous Coated Pipe, Add	*38.80*	
		For Bituminous Coated And 25% Paved, Add	*117.96*	
		For Smooth-Flo, Add	*131.93*	
33 42 11 00-0913	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	344.02	51.25
		For Bituminous Coated Pipe, Add	*48.73*	
		For Bituminous Coated And 25% Paved, Add	*148.15*	
		For Smooth-Flo, Add	*165.70*	
33 42 11 00-0914	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	409.48	74.55
		For Bituminous Coated Pipe, Add	*52.25*	
		For Bituminous Coated And 25% Paved, Add	*158.83*	
		For Smooth-Flo, Add	*177.64*	
33 42 11 00-0915	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	442.76	81.54
		For Bituminous Coated Pipe, Add	*55.94*	
		For Bituminous Coated And 25% Paved, Add	*170.05*	
		For Smooth-Flo, Add	*190.18*	
33 42 11 00-0916	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	472.94	87.36
		For Bituminous Coated Pipe, Add	*59.65*	
		For Bituminous Coated And 25% Paved, Add	*181.32*	
		For Smooth-Flo, Add	*202.80*	
33 42 11 00-0917	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	503.05	93.19
		For Bituminous Coated Pipe, Add	*63.34*	
		For Bituminous Coated And 25% Paved, Add	*192.54*	
		For Smooth-Flo, Add	*215.34*	
33 42 11 00-0918	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	533.94	99.01
		For Bituminous Coated Pipe, Add	*67.01*	
		For Bituminous Coated And 25% Paved, Add	*203.72*	
		For Smooth-Flo, Add	*227.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0919		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0909)*		
33 42 11 00-0920	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	335.37	41.93
		For Bituminous Coated Pipe, Add	*50.35*	
		For Bituminous Coated And 25% Paved, Add	*131.92*	
		For Smooth-Flo, Add	*156.09*	
33 42 11 00-0921	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	408.07	51.25
		For Bituminous Coated Pipe, Add	*61.54*	
		For Bituminous Coated And 25% Paved, Add	*161.25*	
		For Smooth-Flo, Add	*190.79*	
33 42 11 00-0922	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	479.21	74.55
		For Bituminous Coated Pipe, Add	*66.19*	
		For Bituminous Coated And 25% Paved, Add	*173.42*	
		For Smooth-Flo, Add	*205.20*	
33 42 11 00-0923	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	518.11	81.54
		For Bituminous Coated Pipe, Add	*71.01*	
		For Bituminous Coated And 25% Paved, Add	*186.04*	
		For Smooth-Flo, Add	*220.12*	
33 42 11 00-0924	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	553.92	87.36
		For Bituminous Coated Pipe, Add	*75.84*	
		For Bituminous Coated And 25% Paved, Add	*198.71*	
		For Smooth-Flo, Add	*235.11*	
33 42 11 00-0925	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	589.71	93.19
		For Bituminous Coated Pipe, Add	*80.67*	
		For Bituminous Coated And 25% Paved, Add	*211.35*	
		For Smooth-Flo, Add	*250.07*	
33 42 11 00-0926	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	626.23	99.01
		For Bituminous Coated Pipe, Add	*85.47*	
		For Bituminous Coated And 25% Paved, Add	*223.94*	
		For Smooth-Flo, Add	*264.96*	
33 42 11 00-0927	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	666.21	104.83
		For Bituminous Coated Pipe, Add	*90.33*	
		For Bituminous Coated And 25% Paved, Add	*236.66*	
		For Smooth-Flo, Add	*280.02*	
33 42 11 00-0928	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	708.73	116.48
		For Bituminous Coated Pipe, Add	*95.15*	
		For Bituminous Coated And 25% Paved, Add	*249.30*	
		For Smooth-Flo, Add	*294.98*	
33 42 11 00-0929	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	753.18	128.13
		For Bituminous Coated Pipe, Add	*100.46*	
		For Bituminous Coated And 25% Paved, Add	*263.21*	
		For Smooth-Flo, Add	*311.43*	
33 42 11 00-0930		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0909)*		
33 42 11 00-0931	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	543.98	74.55
		For Bituminous Coated Pipe, Add	*79.15*	
		For Bituminous Coated And 25% Paved, Add	*188.37*	
		For Smooth-Flo, Add	*204.59*	
33 42 11 00-0932	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	588.25	81.54
		For Bituminous Coated Pipe, Add	*85.03*	
		For Bituminous Coated And 25% Paved, Add	*202.38*	
		For Smooth-Flo, Add	*219.81*	
33 42 11 00-0933	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	629.38	87.36
		For Bituminous Coated Pipe, Add	*90.93*	
		For Bituminous Coated And 25% Paved, Add	*216.42*	
		For Smooth-Flo, Add	*235.06*	
33 42 11 00-0934	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	670.38	93.19
		For Bituminous Coated Pipe, Add	*96.80*	
		For Bituminous Coated And 25% Paved, Add	*230.39*	
		For Smooth-Flo, Add	*250.23*	
33 42 11 00-0935	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	712.27	99.01
		For Bituminous Coated Pipe, Add	*102.68*	
		For Bituminous Coated And 25% Paved, Add	*244.38*	
		For Smooth-Flo, Add	*265.43*	
33 42 11 00-0936	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	757.50	104.83
		For Bituminous Coated Pipe, Add	*108.59*	
		For Bituminous Coated And 25% Paved, Add	*258.44*	
		For Smooth-Flo, Add	*280.70*	
33 42 11 00-0937	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	805.35	116.48
		For Bituminous Coated Pipe, Add	*114.48*	
		For Bituminous Coated And 25% Paved, Add	*272.46*	
		For Smooth-Flo, Add	*295.93*	
33 42 11 00-0938	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	854.69	128.13
		For Bituminous Coated Pipe, Add	*120.76*	
		For Bituminous Coated And 25% Paved, Add	*287.41*	
		For Smooth-Flo, Add	*312.17*	
33 42 11 00-0939	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	908.87	139.78
		For Bituminous Coated Pipe, Add	*128.31*	
		For Bituminous Coated And 25% Paved, Add	*305.37*	
		For Smooth-Flo, Add	*331.68*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0940		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0941		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0940)*		
33 42 11 00-0942	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	485.56	74.55
		For Bituminous Coated Pipe, Add	*67.46*	
		For Bituminous Coated And 25% Paved, Add	*164.61*	
		For Smooth-Flo, Add	*209.47*	
33 42 11 00-0943	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	523.84	81.54
		For Bituminous Coated Pipe, Add	*72.15*	
		For Bituminous Coated And 25% Paved, Add	*176.05*	
		For Smooth-Flo, Add	*224.03*	
33 42 11 00-0944	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	558.66	87.36
		For Bituminous Coated Pipe, Add	*76.79*	
		For Bituminous Coated And 25% Paved, Add	*187.37*	
		For Smooth-Flo, Add	*238.43*	
33 42 11 00-0945	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	593.51	93.19
		For Bituminous Coated Pipe, Add	*81.43*	
		For Bituminous Coated And 25% Paved, Add	*198.68*	
		For Smooth-Flo, Add	*252.83*	
33 42 11 00-0946	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	629.36	99.01
		For Bituminous Coated Pipe, Add	*86.10*	
		For Bituminous Coated And 25% Paved, Add	*210.08*	
		For Smooth-Flo, Add	*267.33*	
33 42 11 00-0947	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	668.81	104.83
		For Bituminous Coated Pipe, Add	*90.85*	
		For Bituminous Coated And 25% Paved, Add	*221.67*	
		For Smooth-Flo, Add	*282.09*	
33 42 11 00-0948	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	710.82	116.48
		For Bituminous Coated Pipe, Add	*95.57*	
		For Bituminous Coated And 25% Paved, Add	*233.20*	
		For Smooth-Flo, Add	*296.75*	
33 42 11 00-0949	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	758.34	128.13
		For Bituminous Coated Pipe, Add	*101.49*	
		For Bituminous Coated And 25% Paved, Add	*247.64*	
		For Smooth-Flo, Add	*315.13*	
33 42 11 00-0950		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0940)*		
33 42 11 00-0951	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	557.27	74.55
		For Bituminous Coated Pipe, Add	*81.80*	
		For Bituminous Coated And 25% Paved, Add	*184.88*	
		For Smooth-Flo, Add	*200.83*	
33 42 11 00-0952	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	601.28	81.54
		For Bituminous Coated Pipe, Add	*87.64*	
		For Bituminous Coated And 25% Paved, Add	*198.07*	
		For Smooth-Flo, Add	*215.16*	
33 42 11 00-0953	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	641.94	87.36
		For Bituminous Coated Pipe, Add	*93.45*	
		For Bituminous Coated And 25% Paved, Add	*211.19*	
		For Smooth-Flo, Add	*229.41*	
33 42 11 00-0954	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	682.78	93.19
		For Bituminous Coated Pipe, Add	*99.28*	
		For Bituminous Coated And 25% Paved, Add	*224.38*	
		For Smooth-Flo, Add	*243.74*	
33 42 11 00-0955	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	723.47	99.01
		For Bituminous Coated Pipe, Add	*104.92*	
		For Bituminous Coated And 25% Paved, Add	*237.12*	
		For Smooth-Flo, Add	*257.58*	
33 42 11 00-0956	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	769.54	104.83
		For Bituminous Coated Pipe, Add	*111.00*	
		For Bituminous Coated And 25% Paved, Add	*250.85*	
		For Smooth-Flo, Add	*272.50*	
33 42 11 00-0957	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	817.49	116.48
		For Bituminous Coated Pipe, Add	*116.91*	
		For Bituminous Coated And 25% Paved, Add	*264.21*	
		For Smooth-Flo, Add	*287.00*	
33 42 11 00-0958	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	870.90	128.13
		For Bituminous Coated Pipe, Add	*124.00*	
		For Bituminous Coated And 25% Paved, Add	*280.25*	
		For Smooth-Flo, Add	*304.43*	
33 42 11 00-0959	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	920.85	139.78
		For Bituminous Coated Pipe, Add	*130.70*	
		For Bituminous Coated And 25% Paved, Add	*295.39*	
		For Smooth-Flo, Add	*320.88*	
33 42 11 00-0960		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0961		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0962	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	88.02	11.92
33 42 11 00-0963	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	101.30	13.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0964	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	118.90	14.09
33 42 11 00-0965	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	135.26	15.17
33 42 11 00-0966	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	174.27	19.50
33 42 11 00-0967	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	228.24	25.63
33 42 11 00-0968		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0969	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	100.85	11.92
33 42 11 00-0970	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	116.97	13.00
33 42 11 00-0971	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	136.39	14.09
33 42 11 00-0972	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	155.59	15.17
33 42 11 00-0973	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	199.55	19.50
33 42 11 00-0974	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	258.30	25.63
33 42 11 00-0975	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	302.55	30.29
33 42 11 00-0976		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0977	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	155.38	13.00
33 42 11 00-0978	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	181.88	14.09
33 42 11 00-0979	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	207.11	15.17
33 42 11 00-0980	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	263.85	19.50
33 42 11 00-0981	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	335.97	25.63
33 42 11 00-0982	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	392.99	30.29
33 42 11 00-0983	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	464.24	34.94
33 42 11 00-0984	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	514.80	39.60
33 42 11 00-0985		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0960)*		
33 42 11 00-0986	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	396.89	25.63
33 42 11 00-0987	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	464.07	30.29
33 42 11 00-0988	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	544.81	34.94
33 42 11 00-0989	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	605.90	39.60
33 42 11 00-0990	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	663.87	41.93
33 42 11 00-0991		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-0992		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0991)*		
33 42 11 00-0993	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	520.10	39.60
33 42 11 00-0994	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	568.26	41.93
33 42 11 00-0995	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	712.14	51.25
33 42 11 00-0996	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	803.58	74.55
33 42 11 00-0997	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	864.21	81.54
33 42 11 00-0998	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	921.83	87.36
33 42 11 00-0999	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	979.21	93.19
33 42 11 00-1000	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,037.56	99.01
33 42 11 00-1001		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0991)*		
33 42 11 00-1002	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	715.15	41.93
33 42 11 00-1003	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	875.65	51.25
33 42 11 00-1004	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	981.54	74.55
33 42 11 00-1005	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,056.36	81.54
33 42 11 00-1006	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,128.23	87.36
33 42 11 00-1007	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,200.04	93.19
33 42 11 00-1008	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,272.50	99.01
33 42 11 00-1009	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,348.65	104.83
33 42 11 00-1010	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,427.20	116.48
33 42 11 00-1011	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,511.27	128.13
33 42 11 00-1012		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0991)*		
33 42 11 00-1013	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,143.00	74.55
33 42 11 00-1014	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,231.15	81.54
33 42 11 00-1015	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,316.37	87.36
33 42 11 00-1016	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,401.15	93.19
33 42 11 00-1017	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,486.91	99.01
33 42 11 00-1018	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,576.25	104.83
33 42 11 00-1019	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,668.10	116.48
33 42 11 00-1020	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,764.29	128.13
33 42 11 00-1021	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,874.75	139.78
33 42 11 00-1022		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0877)*		
33 42 11 00-1023		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-1022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1024	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	967.03	74.55
33 42 11 00-1025	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,038.21	81.54
33 42 11 00-1026	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,105.56	87.36
33 42 11 00-1027	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,172.84	93.19
33 42 11 00-1028	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,241.38	99.01
33 42 11 00-1029	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,314.15	104.83
33 42 11 00-1030	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,389.21	116.48
33 42 11 00-1031	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,478.18	128.13
33 42 11 00-1032		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-1022)*		
33 42 11 00-1033	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,139.22	74.55
33 42 11 00-1034	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,224.07	81.54
33 42 11 00-1035	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,305.40	87.36
33 42 11 00-1036	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,387.12	93.19
33 42 11 00-1037	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,467.42	99.01
33 42 11 00-1038	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,555.97	104.83
33 42 11 00-1039	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,645.35	116.48
33 42 11 00-1040	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,748.65	128.13
33 42 11 00-1041	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,845.30	139.78
33 42 11 00-1042		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0533)*		
33 42 11 00-1043		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*		
33 42 11 00-1044		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*		
33 42 11 00-1045	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	48.97	11.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*10.23*	
33 42 11 00-1046	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.36	11.92
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.88*	
33 42 11 00-1047	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.04	13.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.62*	
33 42 11 00-1048	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	73.59	14.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.67*	
33 42 11 00-1049	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	81.77	15.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*21.03*	
33 42 11 00-1050	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	107.54	19.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.29*	
33 42 11 00-1051	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.56	25.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.42*	
33 42 11 00-1052	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	160.08	30.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.72*	
33 42 11 00-1053	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	179.82	34.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*45.62*	
33 42 11 00-1054		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*		
33 42 11 00-1055	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.49	11.38
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.72*	
33 42 11 00-1056	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	63.19	11.92
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.20*	
33 42 11 00-1057	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.17	13.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.74*	
33 42 11 00-1058	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	83.02	14.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.53*	
33 42 11 00-1059	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	92.71	15.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*19.85*	
33 42 11 00-1060	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.93	19.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*25.49*	
33 42 11 00-1061	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.77	25.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.94*	
33 42 11 00-1062	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	178.74	30.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.62*	
33 42 11 00-1063	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.09	34.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.27*	
33 42 11 00-1064	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.71	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*51.97*	
33 42 11 00-1065		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*		
33 42 11 00-1066	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	89.26	13.00
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.74*	
33 42 11 00-1067	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	102.98	14.09
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.26*	
33 42 11 00-1068	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.38	15.17
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1069	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.22	19.50
		For 1/2 Bituminous Coated And 25% Paved, Add	*23.48*	
33 42 11 00-1070	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	189.90	25.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*29.14*	
33 42 11 00-1071	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	218.29	30.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*34.18*	
33 42 11 00-1072	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	246.21	34.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.55*	
33 42 11 00-1073	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.25	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*46.55*	
33 42 11 00-1074	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	320.36	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.90*	
33 42 11 00-1075	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	391.49	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.60*	
33 42 11 00-1076		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1043)*		
33 42 11 00-1077	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	220.59	25.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*31.92*	
33 42 11 00-1078	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.20	30.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*37.42*	
33 42 11 00-1079	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	286.96	34.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.25*	
33 42 11 00-1080	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	338.95	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.35*	
33 42 11 00-1081	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	371.22	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.22*	
33 42 11 00-1082	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	447.36	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*66.63*	
33 42 11 00-1083	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.27	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*71.43*	
33 42 11 00-1084		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*		
33 42 11 00-1085		16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1084)*		
33 42 11 00-1086	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	163.69	25.63
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.27*	
33 42 11 00-1087	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	187.70	30.29
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.94*	
33 42 11 00-1088	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	210.88	34.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.39*	
33 42 11 00-1089	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	252.60	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*61.55*	
33 42 11 00-1090	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	275.23	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*67.06*	
33 42 11 00-1091	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	346.47	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.14*	
33 42 11 00-1092	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	410.58	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.82*	
33 42 11 00-1093	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	441.67	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.51*	
33 42 11 00-1094	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	469.61	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.22*	
33 42 11 00-1095	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	497.58	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.92*	
33 42 11 00-1096	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	526.34	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.61*	
33 42 11 00-1097	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	558.44	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*120.36*	
33 42 11 00-1098		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1084)*		
33 42 11 00-1099	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.33	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*53.34*	
33 42 11 00-1100	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	305.87	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.23*	
33 42 11 00-1101	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	380.19	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.32*	
33 42 11 00-1102	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	447.31	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.35*	
33 42 11 00-1103	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	481.37	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.39*	
33 42 11 00-1104	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	512.44	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*88.49*	
33 42 11 00-1105	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	543.33	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.52*	
33 42 11 00-1106	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	575.06	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.56*	
33 42 11 00-1107	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	610.13	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1108	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	647.87	116.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.71*	
33 42 11 00-1109	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	684.81	128.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*113.69*	

33 42 11 00-1110 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1084)

33 42 11 00-1111	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	373.98	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.11*	
33 42 11 00-1112	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	455.59	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*95.56*	
33 42 11 00-1113	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	529.29	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*102.50*	
33 42 11 00-1114	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	570.01	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.46*	
33 42 11 00-1115	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	607.65	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*116.46*	
33 42 11 00-1116	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	645.21	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*123.43*	
33 42 11 00-1117	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	683.55	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.38*	
33 42 11 00-1118	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	725.25	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.38*	
33 42 11 00-1119	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	769.55	116.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.34*	
33 42 11 00-1120	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	813.16	128.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.25*	
33 42 11 00-1121	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	855.61	139.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*158.25*	

33 42 11 00-1122 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1084)

33 42 11 00-1123	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	605.73	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.81*	
33 42 11 00-1124	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	652.61	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*134.62*	
33 42 11 00-1125	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	696.55	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.51*	
33 42 11 00-1126	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	740.31	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*152.33*	
33 42 11 00-1127	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	785.01	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*161.19*	
33 42 11 00-1128	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	833.01	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*170.07*	
33 42 11 00-1129	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	883.51	116.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*178.90*	
33 42 11 00-1130	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	933.38	128.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*187.69*	
33 42 11 00-1131	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	982.14	139.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*196.57*	
33 42 11 00-1132	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,032.94	151.43
		For 1/2 Bituminous Coated And 25% Paved, Add	*205.38*	
33 42 11 00-1133	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,086.79	163.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*214.26*	
33 42 11 00-1134	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,144.22	174.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*223.14*	

33 42 11 00-1135 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1042)

33 42 11 00-1136 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1135)*

33 42 11 00-1137	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	211.77	34.94
		For 1/2 Bituminous Coated And 25% Paved, Add	*62.44*	
33 42 11 00-1138	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.22	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*76.50*	
33 42 11 00-1139	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.64	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*83.19*	
33 42 11 00-1140	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	343.34	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.73*	
33 42 11 00-1141	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	407.09	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.56*	
33 42 11 00-1142	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	437.76	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*118.39*	
33 42 11 00-1143	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	465.12	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.17*	
33 42 11 00-1144	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	492.42	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.91*	
33 42 11 00-1145	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.86	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*138.78*	
33 42 11 00-1146	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	552.86	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1147		**14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1135)*		
33 42 11 00-1148	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	288.87	39.60
		For 1/2 Bituminous Coated And 25% Paved, Add	*72.13*	
33 42 11 00-1149	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	315.25	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*78.75*	
33 42 11 00-1150	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	385.40	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*96.92*	
33 42 11 00-1151	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	452.58	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.47*	
33 42 11 00-1152	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	487.31	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*110.24*	
33 42 11 00-1153	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	518.54	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*116.90*	
33 42 11 00-1154	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	547.81	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*122.89*	
33 42 11 00-1155	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	581.78	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.19*	
33 42 11 00-1156	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	617.07	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*136.85*	
33 42 11 00-1157	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	654.85	116.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.44*	
33 42 11 00-1158	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	692.62	128.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*150.19*	
33 42 11 00-1159		**12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1135)*		
33 42 11 00-1160	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	387.43	41.93
		For 1/2 Bituminous Coated And 25% Paved, Add	*86.89*	
33 42 11 00-1161	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	464.97	51.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.28*	
33 42 11 00-1162	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	539.71	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.96*	
33 42 11 00-1163	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	581.11	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.56*	
33 42 11 00-1164	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	619.16	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*127.11*	
33 42 11 00-1165	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	657.61	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*134.77*	
33 42 11 00-1166	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	696.63	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*142.36*	
33 42 11 00-1167	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	738.85	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*149.95*	
33 42 11 00-1168	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	783.98	116.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*157.59*	
33 42 11 00-1169	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	828.48	128.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*165.19*	
33 42 11 00-1170	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	871.50	139.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*172.79*	
33 42 11 00-1171		**10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1135)*		
33 42 11 00-1172	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	623.14	74.55
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.82*	
33 42 11 00-1173	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	672.31	81.54
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.64*	
33 42 11 00-1174	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	717.60	87.36
		For 1/2 Bituminous Coated And 25% Paved, Add	*155.27*	
33 42 11 00-1175	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	762.61	93.19
		For 1/2 Bituminous Coated And 25% Paved, Add	*164.80*	
33 42 11 00-1176	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	808.73	99.01
		For 1/2 Bituminous Coated And 25% Paved, Add	*174.42*	
33 42 11 00-1177	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	857.87	104.83
		For 1/2 Bituminous Coated And 25% Paved, Add	*183.99*	
33 42 11 00-1178	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	909.88	116.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*193.60*	
33 42 11 00-1179	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	961.36	128.13
		For 1/2 Bituminous Coated And 25% Paved, Add	*203.20*	
33 42 11 00-1180	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,011.21	139.78
		For 1/2 Bituminous Coated And 25% Paved, Add	*212.75*	
33 42 11 00-1181	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,074.11	151.43
		For 1/2 Bituminous Coated And 25% Paved, Add	*225.37*	
33 42 11 00-1182	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,132.02	163.08
		For 1/2 Bituminous Coated And 25% Paved, Add	*235.76*	
33 42 11 00-1183	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,194.87	174.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*246.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1184		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1042)*		
33 42 11 00-1185		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1184)*		
33 42 11 00-1186	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	73.36	13.00
33 42 11 00-1187	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	84.38	14.09
33 42 11 00-1188	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	94.54	15.17
33 42 11 00-1189	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	123.12	19.50
33 42 11 00-1190	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	157.85	25.63
33 42 11 00-1191	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	181.19	30.29
33 42 11 00-1192	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	204.37	34.94
33 42 11 00-1193	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	243.17	39.60
33 42 11 00-1194	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	265.75	41.93
33 42 11 00-1195		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1184)*		
33 42 11 00-1196	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	81.39	13.00
33 42 11 00-1197	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	93.76	14.09
33 42 11 00-1198	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	105.17	15.17
33 42 11 00-1199	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	136.41	19.50
33 42 11 00-1200	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	173.85	25.63
33 42 11 00-1201	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	199.90	30.29
33 42 11 00-1202	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	225.73	34.94
33 42 11 00-1203	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	267.20	39.60
33 42 11 00-1204	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	292.53	41.93
33 42 11 00-1205	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	356.06	51.25
33 42 11 00-1206	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	422.15	74.55
33 42 11 00-1207	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	455.42	81.54
33 42 11 00-1208		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1184)*		
33 42 11 00-1209	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	163.35	19.50
33 42 11 00-1210	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	206.11	25.63
33 42 11 00-1211	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	237.68	30.29
33 42 11 00-1212	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	268.83	34.94
33 42 11 00-1213	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	315.66	39.60
33 42 11 00-1214	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	346.47	41.93
33 42 11 00-1215	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	415.26	51.25
33 42 11 00-1216	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	486.66	74.55
33 42 11 00-1217	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	525.30	81.54
33 42 11 00-1218	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	560.59	87.36
33 42 11 00-1219	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	595.96	93.19
33 42 11 00-1220	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	632.02	99.01
33 42 11 00-1221	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	668.76	104.83
33 42 11 00-1222		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0533)*		
33 42 11 00-1223		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*		
33 42 11 00-1224		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1223)*		
33 42 11 00-1225	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	58.24	11.92
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.65*	
33 42 11 00-1226	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	65.70	13.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.88*	
33 42 11 00-1227	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	75.89	14.09
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.92*	
33 42 11 00-1228	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	85.63	15.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.57*	
33 42 11 00-1229	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	111.03	19.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.02*	
33 42 11 00-1230	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	145.97	25.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.16*	
33 42 11 00-1231		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1223)*		
33 42 11 00-1232	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	65.06	11.92
		For 1/2 Bituminous Coated And 40% Paved, Add	*17.25*	
33 42 11 00-1233	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	73.99	13.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*20.66*	
33 42 11 00-1234	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	85.21	14.09
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.58*	
33 42 11 00-1235	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	96.41	15.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*28.35*	
33 42 11 00-1236	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	124.47	19.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*35.90*	
33 42 11 00-1237	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	161.97	25.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*45.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1238	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	187.49	30.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*54.48*	
33 42 11 00-1239		**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1223)*		
33 42 11 00-1240	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	90.87	13.00
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.93*	
33 42 11 00-1241	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	105.22	14.09
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.50*	
33 42 11 00-1242	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	119.08	15.17
		For 1/2 Bituminous Coated And 40% Paved, Add	*25.83*	
33 42 11 00-1243	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	152.77	19.50
		For 1/2 Bituminous Coated And 40% Paved, Add	*32.59*	
33 42 11 00-1244	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	196.15	25.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*40.98*	
33 42 11 00-1245	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	227.36	30.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*48.57*	
33 42 11 00-1246	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	267.01	34.94
		For 1/2 Bituminous Coated And 40% Paved, Add	*57.83*	
33 42 11 00-1247	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	297.32	39.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*63.75*	
33 42 11 00-1248		**10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1223)*		
33 42 11 00-1249	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	226.85	25.63
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.12*	
33 42 11 00-1250	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	263.16	30.29
		For 1/2 Bituminous Coated And 40% Paved, Add	*50.97*	
33 42 11 00-1251	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	307.60	34.94
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.18*	
33 42 11 00-1252	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	343.23	39.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*66.63*	
33 42 11 00-1253	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	375.86	41.93
		For 1/2 Bituminous Coated And 40% Paved, Add	*73.06*	
33 42 11 00-1254		**3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1222)*		
33 42 11 00-1255		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1254)*		
33 42 11 00-1256	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	285.80	39.60
		For 1/2 Bituminous Coated And 40% Paved, Add	*95.75*	
33 42 11 00-1257	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	312.39	41.93
		For 1/2 Bituminous Coated And 40% Paved, Add	*104.78*	
33 42 11 00-1258	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	387.69	51.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*131.60*	
33 42 11 00-1259	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	456.28	74.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*141.08*	
33 42 11 00-1260	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	492.89	81.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*151.05*	
33 42 11 00-1261	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	526.35	87.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*161.05*	
33 42 11 00-1262	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	559.75	93.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*171.01*	
33 42 11 00-1263	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	594.03	99.01
		For 1/2 Bituminous Coated And 40% Paved, Add	*180.98*	
33 42 11 00-1264		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1254)*		
33 42 11 00-1265	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	380.55	41.93
		For 1/2 Bituminous Coated And 40% Paved, Add	*119.07*	
33 42 11 00-1266	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	463.25	51.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*145.52*	
33 42 11 00-1267	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	538.56	74.55
		For 1/2 Bituminous Coated And 40% Paved, Add	*156.51*	
33 42 11 00-1268	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	581.74	81.54
		For 1/2 Bituminous Coated And 40% Paved, Add	*167.88*	
33 42 11 00-1269	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	621.93	87.36
		For 1/2 Bituminous Coated And 40% Paved, Add	*179.34*	
33 42 11 00-1270	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	662.04	93.19
		For 1/2 Bituminous Coated And 40% Paved, Add	*190.74*	
33 42 11 00-1271	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	702.89	99.01
		For 1/2 Bituminous Coated And 40% Paved, Add	*202.11*	
33 42 11 00-1272	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	747.19	104.83
		For 1/2 Bituminous Coated And 40% Paved, Add	*213.58*	
33 42 11 00-1273	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	794.04	116.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*224.99*	
33 42 11 00-1274	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	843.28	128.13
		For 1/2 Bituminous Coated And 40% Paved, Add	*237.55*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1275		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1254)*			
33 42 11 00-1276	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		614.96	74.55
		For 1/2 Bituminous Coated And 40% Paved, Add		*169.42*	
33 42 11 00-1277	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		664.49	81.54
		For 1/2 Bituminous Coated And 40% Paved, Add		*182.01*	
33 42 11 00-1278	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		710.93	87.36
		For 1/2 Bituminous Coated And 40% Paved, Add		*194.65*	
33 42 11 00-1279	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		757.19	93.19
		For 1/2 Bituminous Coated And 40% Paved, Add		*207.21*	
33 42 11 00-1280	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		808.57	99.01
		For 1/2 Bituminous Coated And 40% Paved, Add		*221.32*	
33 42 11 00-1281	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		854.90	104.83
		For 1/2 Bituminous Coated And 40% Paved, Add		*232.44*	
33 42 11 00-1282	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		908.06	116.48
		For 1/2 Bituminous Coated And 40% Paved, Add		*245.06*	
33 42 11 00-1283	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		962.98	128.13
		For 1/2 Bituminous Coated And 40% Paved, Add		*258.49*	
33 42 11 00-1284	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		1,023.93	139.78
		For 1/2 Bituminous Coated And 40% Paved, Add		*274.65*	
33 42 11 00-1285		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1222)*			
33 42 11 00-1286		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1285)*			
33 42 11 00-1287	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		546.27	74.55
		For 1/2 Bituminous Coated And 40% Paved, Add		*154.03*	
33 42 11 00-1288	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		588.77	81.54
		For 1/2 Bituminous Coated And 40% Paved, Add		*164.74*	
33 42 11 00-1289	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		627.82	87.36
		For 1/2 Bituminous Coated And 40% Paved, Add		*175.35*	
33 42 11 00-1290	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		666.83	93.19
		For 1/2 Bituminous Coated And 40% Paved, Add		*185.94*	
33 42 11 00-1291	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		706.85	99.01
		For 1/2 Bituminous Coated And 40% Paved, Add		*196.59*	
33 42 11 00-1292	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		750.57	104.83
		For 1/2 Bituminous Coated And 40% Paved, Add		*207.44*	
33 42 11 00-1293	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		796.85	116.48
		For 1/2 Bituminous Coated And 40% Paved, Add		*218.23*	
33 42 11 00-1294	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		849.69	128.13
		For 1/2 Bituminous Coated And 40% Paved, Add		*231.74*	
33 42 11 00-1295		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1285)*			
33 42 11 00-1296	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		630.90	74.55
		For 1/2 Bituminous Coated And 40% Paved, Add		*170.86*	
33 42 11 00-1297	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		680.18	81.54
		For 1/2 Bituminous Coated And 40% Paved, Add		*183.05*	
33 42 11 00-1298	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		726.04	87.36
		For 1/2 Bituminous Coated And 40% Paved, Add		*195.17*	
33 42 11 00-1299	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		772.15	93.19
		For 1/2 Bituminous Coated And 40% Paved, Add		*207.37*	
33 42 11 00-1300	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		817.95	99.01
		For 1/2 Bituminous Coated And 40% Paved, Add		*219.15*	
33 42 11 00-1301	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		869.44	104.83
		For 1/2 Bituminous Coated And 40% Paved, Add		*231.83*	
33 42 11 00-1302	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		922.75	116.48
		For 1/2 Bituminous Coated And 40% Paved, Add		*244.19*	
33 42 11 00-1303	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		982.52	128.13
		For 1/2 Bituminous Coated And 40% Paved, Add		*259.00*	
33 42 11 00-1304	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch		1,038.52	139.78
		For 1/2 Bituminous Coated And 40% Paved, Add		*273.00*	
33 42 11 00-1305		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0533)*			
33 42 11 00-1306		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*			
33 42 11 00-1307		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1306)*			
33 42 11 00-1308	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe		29.49	6.50
		For Bituminous Coated Pipe, Add		*3.17*	
33 42 11 00-1309	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe		38.15	8.12
		For Bituminous Coated Pipe, Add		*4.30*	
33 42 11 00-1310	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe		49.50	9.75
		For Bituminous Coated Pipe, Add		*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1311		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1306)*		
33 42 11 00-1312	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	33.12	6.50
		For Bituminous Coated Pipe, Add	*3.14*	
33 42 11 00-1313	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	43.29	8.12
		For Bituminous Coated Pipe, Add	*4.29*	
33 42 11 00-1314	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	56.35	9.75
		For Bituminous Coated Pipe, Add	*5.67*	
33 42 11 00-1315		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*		
33 42 11 00-1316		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1317	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	57.31	11.38
		For Bituminous Coated Pipe, Add	*6.23*	
33 42 11 00-1318	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	66.73	11.92
		For Bituminous Coated Pipe, Add	*7.82*	
33 42 11 00-1319	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	76.73	13.00
		For Bituminous Coated Pipe, Add	*9.50*	
33 42 11 00-1320	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	88.67	14.09
		For Bituminous Coated Pipe, Add	*11.34*	
33 42 11 00-1321	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	99.22	15.17
		For Bituminous Coated Pipe, Add	*12.86*	
33 42 11 00-1322		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1323	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	65.10	11.38
		For Bituminous Coated Pipe, Add	*6.09*	
33 42 11 00-1324	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	76.65	11.92
		For Bituminous Coated Pipe, Add	*7.67*	
33 42 11 00-1325	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	88.61	13.00
		For Bituminous Coated Pipe, Add	*9.30*	
33 42 11 00-1326	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	102.46	14.09
		For Bituminous Coated Pipe, Add	*11.04*	
33 42 11 00-1327	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	115.04	15.17
		For Bituminous Coated Pipe, Add	*12.54*	
33 42 11 00-1328	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	149.37	19.50
		For Bituminous Coated Pipe, Add	*16.08*	
33 42 11 00-1329	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	190.35	25.63
		For Bituminous Coated Pipe, Add	*19.99*	
33 42 11 00-1330		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1331	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	145.29	15.17
		For Bituminous Coated Pipe, Add	*11.90*	
33 42 11 00-1332	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	187.03	19.50
		For Bituminous Coated Pipe, Add	*15.14*	
33 42 11 00-1333	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	235.58	25.63
		For Bituminous Coated Pipe, Add	*18.67*	
33 42 11 00-1334	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	272.44	30.29
		For Bituminous Coated Pipe, Add	*21.95*	
33 42 11 00-1335	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	308.15	34.94
		For Bituminous Coated Pipe, Add	*24.85*	
33 42 11 00-1336	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	362.94	39.60
		For Bituminous Coated Pipe, Add	*29.48*	
33 42 11 00-1337		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1315)*		
33 42 11 00-1338	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	283.79	25.63
		For Bituminous Coated Pipe, Add	*18.35*	
33 42 11 00-1339	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	328.60	30.29
		For Bituminous Coated Pipe, Add	*21.54*	
33 42 11 00-1340	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	372.52	34.94
		For Bituminous Coated Pipe, Add	*24.45*	
33 42 11 00-1341	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	435.35	39.60
		For Bituminous Coated Pipe, Add	*28.69*	
33 42 11 00-1342	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	478.80	41.93
		For Bituminous Coated Pipe, Add	*31.61*	
33 42 11 00-1343		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1305)*		
33 42 11 00-1344		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*		
33 42 11 00-1345	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	146.91	19.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1346	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	187.27	25.63
33 42 11 00-1347	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	215.08	30.29
33 42 11 00-1348	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	243.62	34.94
33 42 11 00-1349	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	288.18	39.60
33 42 11 00-1350		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*		
33 42 11 00-1351	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	166.75	19.50
33 42 11 00-1352	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	215.58	25.63
33 42 11 00-1353	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	247.93	30.29
33 42 11 00-1354	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	279.47	34.94
33 42 11 00-1355	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	330.18	39.60
33 42 11 00-1356	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	361.08	41.93
33 42 11 00-1357	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	439.53	51.25
33 42 11 00-1358	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	511.70	74.55
33 42 11 00-1359	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	550.87	81.54
33 42 11 00-1360		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*		
33 42 11 00-1361	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	213.06	19.50
33 42 11 00-1362	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	267.66	25.63
33 42 11 00-1363	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	310.17	30.29
33 42 11 00-1364	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	350.86	34.94
33 42 11 00-1365	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	410.31	39.60
33 42 11 00-1366	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	449.81	41.93
33 42 11 00-1367	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	536.85	51.25
33 42 11 00-1368	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	617.84	74.55
33 42 11 00-1369	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	665.68	81.54
33 42 11 00-1370	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	710.47	87.36
33 42 11 00-1371	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	755.15	93.19
33 42 11 00-1372	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	800.67	99.01
33 42 11 00-1373		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1343)*		
33 42 11 00-1374	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	543.15	41.93
33 42 11 00-1375	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	635.57	51.25
33 42 11 00-1376	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	725.42	74.55
33 42 11 00-1377	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	782.14	81.54
33 42 11 00-1378	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	835.65	87.36
33 42 11 00-1379	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	889.17	93.19
33 42 11 00-1380	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	943.48	99.01
33 42 11 00-1381	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,001.19	104.83
33 42 11 00-1382	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,061.47	116.48
33 42 11 00-1383		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1305)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1384		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*		
33 42 11 00-1385	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.43	13.00
33 42 11 00-1386	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	111.22	14.09
33 42 11 00-1387	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	134.71	15.17
33 42 11 00-1388	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	155.59	17.33
33 42 11 00-1389	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	174.08	19.50
33 42 11 00-1390	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	194.86	21.67
33 42 11 00-1391		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*		
33 42 11 00-1392	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.21	13.00
33 42 11 00-1393	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	139.36	14.09
33 42 11 00-1394	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	157.28	15.17
33 42 11 00-1395	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.91	17.33
33 42 11 00-1396	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.17	19.50
33 42 11 00-1397	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.81	21.67
33 42 11 00-1398	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	254.10	25.63
33 42 11 00-1399	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.01	30.29
33 42 11 00-1400	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	332.72	34.94
33 42 11 00-1401		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*		
33 42 11 00-1402	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	257.09	19.50
33 42 11 00-1403	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	286.10	21.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1404	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	319.97	25.63
33 42 11 00-1405	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	370.92	30.29
33 42 11 00-1406	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	420.63	34.94
33 42 11 00-1407	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	584.92	39.60
33 42 11 00-1408	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	643.92	41.93
33 42 11 00-1409		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1383)*		
33 42 11 00-1410	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	599.74	34.94
33 42 11 00-1411	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	695.34	39.60
33 42 11 00-1412	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	766.74	41.93
33 42 11 00-1413	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	890.20	51.25
33 42 11 00-1414	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,001.20	74.55
33 42 11 00-1415	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,080.08	81.54
33 42 11 00-1416	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,155.07	87.36
33 42 11 00-1417		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0533)*		
33 42 11 00-1418		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1419		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1420	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	70.27	11.92
		For Bituminous Coated Pipe, Add	*7.83*	
33 42 11 00-1421	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	80.08	13.00
		For Bituminous Coated Pipe, Add	*9.36*	
33 42 11 00-1422	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	92.49	14.09
		For Bituminous Coated Pipe, Add	*11.14*	
33 42 11 00-1423		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1424	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	80.21	11.92
		For Bituminous Coated Pipe, Add	*7.80*	
33 42 11 00-1425	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	89.62	13.00
		For Bituminous Coated Pipe, Add	*9.00*	
33 42 11 00-1426	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	106.28	14.09
		For Bituminous Coated Pipe, Add	*11.05*	
33 42 11 00-1427	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	120.23	15.17
		For Bituminous Coated Pipe, Add	*12.67*	
33 42 11 00-1428	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	154.53	19.50
		For Bituminous Coated Pipe, Add	*16.03*	
33 42 11 00-1429		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1430	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	150.50	15.17
		For Bituminous Coated Pipe, Add	*12.08*	
33 42 11 00-1431	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	192.28	19.50
		For Bituminous Coated Pipe, Add	*15.23*	
33 42 11 00-1432	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	244.47	25.63
		For Bituminous Coated Pipe, Add	*19.01*	
33 42 11 00-1433	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	284.14	30.29
		For Bituminous Coated Pipe, Add	*22.48*	
33 42 11 00-1434		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1418)*		
33 42 11 00-1435	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	292.61	25.63
		For Bituminous Coated Pipe, Add	*18.35*	
33 42 11 00-1436	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	340.39	30.29
		For Bituminous Coated Pipe, Add	*21.64*	
33 42 11 00-1437	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	396.21	34.94
		For Bituminous Coated Pipe, Add	*25.36*	
33 42 11 00-1438	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	443.14	39.60
		For Bituminous Coated Pipe, Add	*28.21*	
33 42 11 00-1439		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1417)*		
33 42 11 00-1440		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1439)*		
33 42 11 00-1441	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	337.96	39.60
33 42 11 00-1442	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	370.13	41.93
33 42 11 00-1443	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	450.72	51.25
33 42 11 00-1444		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1439)*		
33 42 11 00-1445	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	418.09	39.60
33 42 11 00-1446	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	458.87	41.93
33 42 11 00-1447	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	547.63	51.25
33 42 11 00-1448	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	629.44	74.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1449	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	678.11	81.54
33 42 11 00-1450	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	723.72	87.36
33 42 11 00-1451		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1439)*		
33 42 11 00-1452	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	552.06	41.93
33 42 11 00-1453	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	645.96	51.25
33 42 11 00-1454	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	736.61	74.55
33 42 11 00-1455	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	794.14	81.54
33 42 11 00-1456	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	848.47	87.36
33 42 11 00-1457	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	902.79	93.19
33 42 11 00-1458		Corrugated Steel Pipe Fittings *(33 42 11 00-0533)* Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1459		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 42 11 00-1458)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1460	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	96.25	
33 42 11 00-1461	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	120.71	
33 42 11 00-1462	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	145.16	
33 42 11 00-1463	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	171.14	
33 42 11 00-1464	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	207.80	
33 42 11 00-1465	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	244.45	
33 42 11 00-1466	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	281.14	
33 42 11 00-1467	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	317.79	
33 42 11 00-1468	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	414.07	
33 42 11 00-1469	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	493.50	
33 42 11 00-1470	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	572.97	
33 42 11 00-1471	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	741.04	
33 42 11 00-1472	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	835.78	
33 42 11 00-1473	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	933.56	
33 42 11 00-1474	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	1,034.40	
33 42 11 00-1475	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,260.54	
33 42 11 00-1476	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,375.12	
33 42 11 00-1477	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,492.76	
33 42 11 00-1478	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,831.96	
33 42 11 00-1479	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,966.43	
33 42 11 00-1480	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,102.41	
33 42 11 00-1481	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,238.38	
33 42 11 00-1482	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,372.84	
33 42 11 00-1483	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,508.83	
33 42 11 00-1484	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,652.21	
33 42 11 00-1485	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,803.77	
33 42 11 00-1486	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,963.97	
33 42 11 00-1487		Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1458)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1488	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	125.29	
33 42 11 00-1489	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	160.43	
33 42 11 00-1490	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	195.55	
33 42 11 00-1491	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	230.72	
33 42 11 00-1492	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	281.14	
33 42 11 00-1493	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	333.07	
33 42 11 00-1494	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	385.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1495	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	436.96	
33 42 11 00-1496	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	572.97	
33 42 11 00-1497	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	682.98	
33 42 11 00-1498	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	794.51	
33 42 11 00-1499	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	1,031.33	
33 42 11 00-1500	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,161.21	
33 42 11 00-1501	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,295.65	
33 42 11 00-1502	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,433.17	
33 42 11 00-1503	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,747.91	
33 42 11 00-1504	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,903.78	
33 42 11 00-1505	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,062.67	
33 42 11 00-1506	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,537.83	
33 42 11 00-1507	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,719.66	
33 42 11 00-1508	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,901.49	
33 42 11 00-1509	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	3,084.82	
33 42 11 00-1510	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,268.19	
33 42 11 00-1511	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,449.98	
33 42 11 00-1512	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,641.92	
33 42 11 00-1513	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,844.52	
33 42 11 00-1514	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	4,058.37	

33 42 11 00-1515 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1458)*

Note: Applied to pipe tasks.

33 42 11 00-1516	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	48.16	
33 42 11 00-1517	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	60.59	
33 42 11 00-1518	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	76.21	
33 42 11 00-1519	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	93.32	
33 42 11 00-1520	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	118.09	
33 42 11 00-1521	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	144.60	
33 42 11 00-1522	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	169.38	
33 42 11 00-1523	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	196.78	
33 42 11 00-1524	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	241.69	
33 42 11 00-1525	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	288.17	
33 42 11 00-1526	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	343.85	
33 42 11 00-1527	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	422.97	
33 42 11 00-1528	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	478.75	
33 42 11 00-1529	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	539.15	
33 42 11 00-1530	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	653.82	
33 42 11 00-1531	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	725.07	
33 42 11 00-1532	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	884.66	
33 42 11 00-1533	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	963.70	
33 42 11 00-1534	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,047.40	
33 42 11 00-1535	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,129.45	
33 42 11 00-1536	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,213.12	
33 42 11 00-1537	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,298.32	
33 42 11 00-1538	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,382.01	
33 42 11 00-1539	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,465.66	
33 42 11 00-1540	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,554.37	
33 42 11 00-1541	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,648.43	
33 42 11 00-1542	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,748.20	

33 42 11 00-1543 Saddles, Corrugated Steel Pipe Fitting *(33 42 11 00-1458)*

33 42 11 00-1544	EA	6" Saddle, Corrugated Steel Pipe Fitting	299.07	
33 42 11 00-1545	EA	8" Saddle, Corrugated Steel Pipe Fitting	337.45	
33 42 11 00-1546	EA	10" Saddle, Corrugated Steel Pipe Fitting	388.09	
33 42 11 00-1547	EA	12" Saddle, Corrugated Steel Pipe Fitting	474.98	
33 42 11 00-1548	EA	15" Saddle, Corrugated Steel Pipe Fitting	586.37	
33 42 11 00-1549	EA	18" Saddle, Corrugated Steel Pipe Fitting	700.11	
33 42 11 00-1550	EA	21" Saddle, Corrugated Steel Pipe Fitting	882.99	
33 42 11 00-1551	EA	24" Saddle, Corrugated Steel Pipe Fitting	1,049.71	
33 42 11 00-1552	EA	30" Saddle, Corrugated Steel Pipe Fitting	1,319.36	
33 42 11 00-1553	EA	36" Saddle, Corrugated Steel Pipe Fitting	1,702.21	
33 42 11 00-1554	EA	42" Saddle, Corrugated Steel Pipe Fitting	2,010.28	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1555	EA	48" Saddle, Corrugated Steel Pipe Fitting	2,364.70	
33 42 11 00-1556	EA	54" Saddle, Corrugated Steel Pipe Fitting	2,813.98	
33 42 11 00-1557	EA	60" Saddle, Corrugated Steel Pipe Fitting	3,335.74	
33 42 11 00-1558	EA	66" Saddle, Corrugated Steel Pipe Fitting	3,799.60	
33 42 11 00-1559	EA	72" Saddle, Corrugated Steel Pipe Fitting	4,236.85	
33 42 11 00-1560	EA	78" Saddle, Corrugated Steel Pipe Fitting	4,971.67	
33 42 11 00-1561	EA	84" Saddle, Corrugated Steel Pipe Fitting	5,492.02	
33 42 11 00-1562	EA	90" Saddle, Corrugated Steel Pipe Fitting	6,502.57	
33 42 11 00-1563	EA	96" Saddle, Corrugated Steel Pipe Fitting	7,188.24	
33 42 11 00-1564	EA	102" Saddle, Corrugated Steel Pipe Fitting	8,156.60	
33 42 11 00-1565	EA	108" Saddle, Corrugated Steel Pipe Fitting	9,257.08	
33 42 11 00-1566	EA	114" Saddle, Corrugated Steel Pipe Fitting	10,504.75	
33 42 11 00-1567	EA	120" Saddle, Corrugated Steel Pipe Fitting	11,918.98	

33 42 11 00-1568 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1458)*

33 42 11 00-1569	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	18.13	
		For Bituminous Coated, Add	*5.26*	
33 42 11 00-1570	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	24.08	
		For Bituminous Coated, Add	*6.98*	
33 42 11 00-1571	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	30.33	
		For Bituminous Coated, Add	*8.80*	
33 42 11 00-1572	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	50.34	
		For Bituminous Coated, Add	*14.60*	
33 42 11 00-1573	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	63.47	
		For Bituminous Coated, Add	*18.41*	
33 42 11 00-1574	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	93.12	
		For Bituminous Coated, Add	*27.00*	
33 42 11 00-1575	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	110.53	
		For Bituminous Coated, Add	*32.05*	
33 42 11 00-1576	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	125.33	
		For Bituminous Coated, Add	*36.35*	
33 42 11 00-1577	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	216.89	
		For Bituminous Coated, Add	*62.90*	
33 42 11 00-1578	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	347.01	
		For Bituminous Coated, Add	*83.28*	
33 42 11 00-1579	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	407.72	
		For Bituminous Coated, Add	*97.85*	
33 42 11 00-1580	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	456.86	
		For Bituminous Coated, Add	*109.65*	
33 42 11 00-1581	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	647.90	
		For Bituminous Coated, Add	*155.50*	
33 42 11 00-1582	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	926.69	
		For Bituminous Coated, Add	*166.80*	
33 42 11 00-1583	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,138.89	
		For Bituminous Coated, Add	*205.00*	
33 42 11 00-1584	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,462.96	
		For Bituminous Coated, Add	*204.81*	
33 42 11 00-1585	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,564.74	
		For Bituminous Coated, Add	*219.06*	
33 42 11 00-1586	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,667.08	
		For Bituminous Coated, Add	*233.39*	
33 42 11 00-1587	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,768.91	
		For Bituminous Coated, Add	*247.65*	
33 42 11 00-1588	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,870.99	
		For Bituminous Coated, Add	*261.94*	
33 42 11 00-1589	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,973.34	
		For Bituminous Coated, Add	*276.27*	
33 42 11 00-1590	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	2,075.22	
		For Bituminous Coated, Add	*290.53*	
33 42 11 00-1591	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,457.87	
		For Bituminous Coated, Add	*294.94*	
33 42 11 00-1592	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,278.81	
		For Bituminous Coated, Add	*273.46*	
33 42 11 00-1593	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,380.38	
		For Bituminous Coated, Add	*285.65*	
33 42 11 00-1594	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,482.67	
		For Bituminous Coated, Add	*297.92*	
33 42 11 00-1595	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,585.07	
		For Bituminous Coated, Add	*310.21*	

33 42 11 00-1596 90 Degree Bends, Galvanized Corrugated Metal Pipe Fitting *(33 42 11 00-1458)*

33 42 11 00-1597	EA	12" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	458.53	130.01
33 42 11 00-1598	EA	15" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	558.84	162.51
33 42 11 00-1599	EA	18" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	655.98	216.68
33 42 11 00-1600	EA	24" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	945.14	303.35
33 42 11 00-1601	EA	30" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,155.49	346.68
33 42 11 00-1602	EA	36" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,598.05	396.03
33 42 11 00-1603	EA	42" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	1,894.12	465.92
33 42 11 00-1604	EA	48" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,169.36	465.92
33 42 11 00-1605	EA	54" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	2,644.87	652.28
33 42 11 00-1606	EA	60" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,003.86	652.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1607	EA	66" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,622.78	815.36
33 42 11 00-1608	EA	72" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	3,868.97	867.77
33 42 11 00-1609	EA	78" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	4,773.33	1,087.11
33 42 11 00-1610	EA	84" 90 Degree Bend, Galvanized Corrugated Metal Pipe Fitting	5,311.51	1,164.80
33 42 11 00-1611		**Wyes Or Tees, Galvanized Corrugated Metal Pipe Fitting** *(33 42 11 00-1458)*		
33 42 11 00-1612	EA	12" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	667.44	173.34
33 42 11 00-1613	EA	15" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	769.65	216.68
33 42 11 00-1614	EA	18" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	896.49	281.68
33 42 11 00-1615	EA	24" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,286.79	390.02
33 42 11 00-1616	EA	30" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	1,693.84	455.02
33 42 11 00-1617	EA	36" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,326.29	535.81
33 42 11 00-1618	EA	42" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	2,761.40	628.99
33 42 11 00-1619	EA	48" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,220.72	628.99
33 42 11 00-1620	EA	54" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	3,868.30	861.95
33 42 11 00-1621	EA	60" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	4,360.67	861.95
33 42 11 00-1622	EA	66" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,144.77	1,094.91
33 42 11 00-1623	EA	72" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	5,431.98	1,164.80
33 42 11 00-1624	EA	78" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	6,954.48	1,450.18
33 42 11 00-1625	EA	84" Wye Or Tee, Galvanized Corrugated Metal Pipe Fitting	8,071.97	1,560.83
33 42 11 00-1626		**Galvanized Culvert-End Bar Grate System** *(33 42 11 00-0533)*		
33 42 11 00-1627	SF	Galvanized Culvert-End Bar Grate System	634.84	2.89
33 42 11 00-1628	SF	Heavy-Duty Galvanized Culvert-End Bar Grate System	38.67	2.89
33 42 11 00-1629		**Galvanized Tapered Adapter Sleeves** *(33 42 11 00-0533)*		
33 42 11 00-1630	EA	12" Galvanized Tapered Adapter Sleeves	506.31	75.84
33 42 11 00-1631	EA	15" Galvanized Tapered Adapter Sleeves	626.25	81.25
33 42 11 00-1632	EA	18" Galvanized Tapered Adapter Sleeves	705.28	86.67
33 42 11 00-1633	EA	21" Galvanized Tapered Adapter Sleeves	797.18	94.79
33 42 11 00-1634	EA	24" Galvanized Tapered Adapter Sleeves	887.81	102.92
33 42 11 00-1635	EA	30" Galvanized Tapered Adapter Sleeves	1,078.58	116.47
33 42 11 00-1636	EA	36" Galvanized Tapered Adapter Sleeves	1,302.03	132.71
33 42 11 00-1637		**Concrete Pipe Collar** *(33 42 11)*		
33 42 11 00-1638	EA	8" Diameter Pipe, Concrete Pipe Collar	705.90	
33 42 11 00-1639	EA	10" Diameter Pipe, Concrete Pipe Collar	789.80	
33 42 11 00-1640	EA	12" Diameter Pipe, Concrete Pipe Collar	879.91	
33 42 11 00-1641	EA	15" Diameter Pipe, Concrete Pipe Collar	986.51	
33 42 11 00-1642	EA	18" Diameter Pipe, Concrete Pipe Collar	1,100.66	
33 42 11 00-1643	EA	21" Diameter Pipe, Concrete Pipe Collar	1,222.76	
33 42 11 00-1644	EA	24" Diameter Pipe, Concrete Pipe Collar	1,352.51	
33 42 11 00-1645	EA	27" Diameter Pipe, Concrete Pipe Collar	1,486.99	
33 42 11 00-1646	EA	30" Diameter Pipe, Concrete Pipe Collar	1,621.45	
33 42 11 00-1647	EA	36" Diameter Pipe, Concrete Pipe Collar	1,890.58	
33 42 11 00-1648	EA	42" Diameter Pipe, Concrete Pipe Collar	2,160.67	
33 42 11 00-1649	EA	48" Diameter Pipe, Concrete Pipe Collar	2,431.75	
33 42 11 00-1650	EA	54" Diameter Pipe, Concrete Pipe Collar	2,700.88	
33 42 11 00-1651	EA	60" Diameter Pipe, Concrete Pipe Collar	2,970.97	
33 42 11 00-1652	EA	66" Diameter Pipe, Concrete Pipe Collar	3,271.99	
33 42 11 00-1653	EA	72" Diameter Pipe, Concrete Pipe Collar	3,573.00	
33 42 11 00-1654	EA	78" Diameter Pipe, Concrete Pipe Collar	3,874.02	
33 42 11 00-1655	EA	84" Diameter Pipe, Concrete Pipe Collar	4,175.05	
33 42 11 00-1656	EA	90" Diameter Pipe, Concrete Pipe Collar	4,476.07	
33 42 11 00-1657	EA	96" Diameter Pipe, Concrete Pipe Collar	4,777.08	
33 42 11 00-1658	EA	102" Diameter Pipe, Concrete Pipe Collar	5,078.10	
33 42 11 00-1659	EA	108" Diameter Pipe, Concrete Pipe Collar	5,379.12	
33 42 11 00-1660	EA	114" Diameter Pipe, Concrete Pipe Collar	5,680.14	
33 42 11 00-1661	EA	120" Diameter Pipe, Concrete Pipe Collar	5,981.15	
33 42 11 00-1662		**Concrete Drainage Pipe Lug** *(33 42 11)*		
33 42 11 00-1663	EA	12" Diameter Pipe, Concrete Pipe Lug	425.96	
33 42 11 00-1664	EA	15" Diameter Pipe, Concrete Pipe Lug	496.80	
33 42 11 00-1665	EA	18" Diameter Pipe, Concrete Pipe Lug	567.32	
33 42 11 00-1666	EA	21" Diameter Pipe, Concrete Pipe Lug	638.18	
33 42 11 00-1667	EA	24" Diameter Pipe, Concrete Pipe Lug	708.68	
33 42 11 00-1668	EA	27" Diameter Pipe, Concrete Pipe Lug	779.45	
33 42 11 00-1669	EA	30" Diameter Pipe, Concrete Pipe Lug	850.21	
33 42 11 00-1670	EA	36" Diameter Pipe, Concrete Pipe Lug	991.58	
33 42 11 00-1671	EA	42" Diameter Pipe, Concrete Pipe Lug	1,131.81	
33 42 11 00-1672	EA	48" Diameter Pipe, Concrete Pipe Lug	1,273.18	
33 42 11 00-1673	EA	54" Diameter Pipe, Concrete Pipe Lug	1,414.54	
33 42 11 00-1674	EA	60" Diameter Pipe, Concrete Pipe Lug	1,555.91	
33 42 11 00-1675	EA	66" Diameter Pipe, Concrete Pipe Lug	1,697.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 **Precast Reinforced Concrete Box Culvert** *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-1187 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	465.86	58.24
		For Each LF Of Cut-Off Section, Add	*18.63*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	525.06	58.24
		For Each LF Of Cut-Off Section, Add	*21.00*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	620.68	58.24
		For Each LF Of Cut-Off Section, Add	*24.83*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	745.11	72.80
		For Each LF Of Cut-Off Section, Add	*29.80*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	763.33	72.80
		For Each LF Of Cut-Off Section, Add	*30.53*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	772.43	72.80
		For Each LF Of Cut-Off Section, Add	*30.90*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	796.41	75.71
		For Each LF Of Cut-Off Section, Add	*31.86*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	800.96	75.71
		For Each LF Of Cut-Off Section, Add	*32.04*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	882.92	75.71
		For Each LF Of Cut-Off Section, Add	*35.32*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	905.97	87.36
		For Each LF Of Cut-Off Section, Add	*36.24*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	968.20	118.81
		For Each LF Of Cut-Off Section, Add	*38.73*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	887.48	75.71
		For Each LF Of Cut-Off Section, Add	*35.50*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	910.53	87.36
		For Each LF Of Cut-Off Section, Add	*36.42*	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	924.19	87.36
		For Each LF Of Cut-Off Section, Add	*36.97*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,114.77	116.48
		For Each LF Of Cut-Off Section, Add	*44.59*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,118.41	116.48
		For Each LF Of Cut-Off Section, Add	*44.74*	
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,237.05	145.60
		For Each LF Of Cut-Off Section, Add	*49.48*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,232.25	116.48
		For Each LF Of Cut-Off Section, Add	*49.29*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,303.53	145.60
		For Each LF Of Cut-Off Section, Add	*52.14*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,308.08	145.60
		For Each LF Of Cut-Off Section, Add	*52.32*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,590.40	145.60
		For Each LF Of Cut-Off Section, Add	*63.62*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,666.24	174.72
		For Each LF Of Cut-Off Section, Add	*66.65*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,684.45	174.72
		For Each LF Of Cut-Off Section, Add	*67.38*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,689.00	174.72
		For Each LF Of Cut-Off Section, Add	*67.56*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,695.38	174.72
		For Each LF Of Cut-Off Section, Add	*67.82*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,760.28	203.84
		For Each LF Of Cut-Off Section, Add	*70.41*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,760.28	203.84
		For Each LF Of Cut-Off Section, Add	*70.41*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,760.28	203.84
		For Each LF Of Cut-Off Section, Add	*70.41*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,760.28	203.84
		For Each LF Of Cut-Off Section, Add	*70.41*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,564.68	232.96
		For Each LF Of Cut-Off Section, Add	*102.59*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,566.45	232.96
		For Each LF Of Cut-Off Section, Add	*142.66*	

33 42 13 13-0033 **Precast Reinforced Concrete Box Culvert For Roadways** *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-1187 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,163.00	58.24
		For Each LF Of Cut-Off Section, Add	*46.52*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,250.47	58.24
		For Each LF Of Cut-Off Section, Add	*50.02*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,405.28	58.24
		For Each LF Of Cut-Off Section, Add	*56.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,588.87	72.80
		For Each LF Of Cut-Off Section, Add	*63.55*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,743.68	72.80
		For Each LF Of Cut-Off Section, Add	*69.75*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,898.49	72.80
		For Each LF Of Cut-Off Section, Add	*75.94*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,749.44	75.71
		For Each LF Of Cut-Off Section, Add	*69.98*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,904.25	75.71
		For Each LF Of Cut-Off Section, Add	*76.17*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,213.87	75.71
		For Each LF Of Cut-Off Section, Add	*88.55*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,082.11	87.36
		For Each LF Of Cut-Off Section, Add	*83.28*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,453.92	118.81
		For Each LF Of Cut-Off Section, Add	*98.16*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,904.25	75.71
		For Each LF Of Cut-Off Section, Add	*76.17*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,082.11	87.36
		For Each LF Of Cut-Off Section, Add	*83.28*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,236.92	87.36
		For Each LF Of Cut-Off Section, Add	*89.48*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,449.31	116.48
		For Each LF Of Cut-Off Section, Add	*97.97*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,604.12	116.48
		For Each LF Of Cut-Off Section, Add	*104.16*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,971.36	145.60
		For Each LF Of Cut-Off Section, Add	*118.85*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,629.46	116.48
		For Each LF Of Cut-Off Section, Add	*105.18*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,017.95	145.60
		For Each LF Of Cut-Off Section, Add	*120.72*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,984.26	145.60
		For Each LF Of Cut-Off Section, Add	*119.37*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,168.09	145.60
		For Each LF Of Cut-Off Section, Add	*126.72*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,409.52	174.72
		For Each LF Of Cut-Off Section, Add	*136.38*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,593.35	174.72
		For Each LF Of Cut-Off Section, Add	*143.73*	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,777.20	174.72
		For Each LF Of Cut-Off Section, Add	*151.09*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,961.03	174.72
		For Each LF Of Cut-Off Section, Add	*158.44*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,956.09	203.84
		For Each LF Of Cut-Off Section, Add	*158.24*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,165.04	203.84
		For Each LF Of Cut-Off Section, Add	*166.60*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,583.02	203.84
		For Each LF Of Cut-Off Section, Add	*183.32*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	5,000.99	203.84
		For Each LF Of Cut-Off Section, Add	*200.04*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,987.43	232.96
		For Each LF Of Cut-Off Section, Add	*239.50*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,566.42	232.96
		For Each LF Of Cut-Off Section, Add	*302.66*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,730.55	774.81
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,179.84	826.46
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,848.19	1,082.54
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,453.86	1,549.61
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,190.69	2,066.15
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,509.50	2,723.40
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,337.07	3,756.59
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	12,290.53	4,427.40
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,784.41	5,390.00
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	17,739.42	6,524.65

33 42 23 00-0014 Straight, Single Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0015	EA	12" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,099.70	666.60
33 42 23 00-0016	EA	15" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,421.87	778.26
33 42 23 00-0017	EA	18" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	1,828.65	1,029.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0018	EA	24" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	2,855.10	1,567.67
33 42 23 00-0019	EA	30" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	3,928.73	2,107.80
33 42 23 00-0020	EA	36" Pipe, Straight, Single Pipe, Cast In Place Concrete Headwall	5,523.12	2,906.53
33 42 23 00-0021		Straight, Double Pipe, Cast In Place Concrete Headwall *(33 42 23 00-0002)*		
		Note: Sized by pipe diameter.		
33 42 23 00-0022	EA	12" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	1,470.58	833.33
33 42 23 00-0023	EA	15" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	1,886.28	1,074.12
33 42 23 00-0024	EA	18" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	2,507.51	1,411.10
33 42 23 00-0025	EA	24" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	3,861.93	2,124.85
33 42 23 00-0026	EA	30" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	5,348.60	2,867.12
33 42 23 00-0027	EA	36" Pipes, Straight, Double Pipe, Cast In Place Concrete Headwall	7,531.42	3,964.62
33 42 23 00-0028		Precast Concrete Headwalls *(33 42 23 00-0001)*		
33 42 23 00-0029	EA	12" Pipe, Precast Concrete Headwall	944.37	195.01
33 42 23 00-0030	EA	15" Pipe, Precast Concrete Headwall	976.87	205.84
33 42 23 00-0031	EA	18" Pipe, Precast Concrete Headwall	1,075.18	234.01
33 42 23 00-0032	EA	24" Pipe, Precast Concrete Headwall	1,187.93	249.18
33 42 23 00-0033	EA	30" Pipe, Precast Concrete Headwall	1,596.35	292.51
33 42 23 00-0034	EA	36" Pipe, Precast Concrete Headwall	1,792.97	303.35
33 42 23 00-0035	EA	42" Pipe, Precast Concrete Headwall	2,363.96	359.46
33 42 23 00-0036	EA	48" Pipe, Precast Concrete Headwall	2,610.44	396.03
33 42 23 00-0037	EA	54" Pipe, Precast Concrete Headwall	2,881.24	419.33
33 42 23 00-0038	EA	60" Pipe, Precast Concrete Headwall	3,269.97	419.33
33 42 23 00-0039	EA	72" Pipe, Precast Concrete Headwall	3,954.23	524.16
33 42 23 00-0040	EA	84" Pipe, Precast Concrete Headwall	5,605.21	628.99
33 42 23 00-0041		Precast Concrete Wingwalls *(33 42 23 00-0001)*		
33 42 23 00-0042	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall	5,904.15	2,075.67
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0043	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall	6,253.59	2,306.30
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0044	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall	6,835.98	2,690.68
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0045	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall	7,418.38	3,075.07
		Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0046	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall	7,418.38	3,075.07
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0047	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall	7,651.34	3,228.82
		Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0048	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall	13,228.79	3,305.69
		Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0049	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall	13,578.24	3,536.32
		Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0050		Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*		
33 42 23 00-0051	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,692.40	815.36
33 42 26		**End Sections for Stormwater Piping** ***(33 42)***		
33 42 26 16		**Corrugated Metal End Sections for Stormwater Piping** ***(33 42 26)***		
33 42 26 16-0001		Corrugated Metal Pipe End Sections *(33 42 26 16)*		
33 42 26 16-0002		Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0003		Type 1 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	335.42	75.84
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	392.32	81.25
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	461.72	86.67
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	563.76	94.79
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	625.44	102.92
33 42 26 16-0009		Type 2 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,030.75	116.47
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,344.58	139.78
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,088.27	163.08
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,556.56	186.37
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,040.83	232.96
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,548.00	279.55
33 42 26 16-0016		Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections *(33 42 26 16-0002)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	351.84	75.84
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	409.20	81.25
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	487.67	86.67
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	594.92	94.79
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	660.77	102.92
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,139.24	116.47
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,480.34	139.78
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,382.44	163.08
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,936.18	186.37
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,424.73	232.96
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,763.90	279.55
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,363.89	419.33
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,248.22	559.10
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,809.80	599.87
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,385.48	640.64
33 42 26 16-0032		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	45.34	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	50.77	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	57.44	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	62.48	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	70.05	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	123.82	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	133.20	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	183.95	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	196.58	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	240.54	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	245.92	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	261.45	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	294.13	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	329.25	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	336.60	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	392.32	81.25
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	461.72	86.67
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	563.76	94.79
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	625.44	102.92
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	378.15	81.25
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	435.51	86.67
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	488.72	94.79
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	553.79	102.92
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	826.47	116.47
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,222.86	139.78
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,926.78	163.08
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,448.95	186.37
33 42 26 16-0063		**Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	385.34	81.25
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	451.14	86.67
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	513.16	94.79
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	582.76	102.92
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	875.72	116.47
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,290.03	139.78
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,034.23	163.08
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,572.61	186.37
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,091.64	232.96
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	4,075.55	279.55
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,675.92	419.33
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	6,244.06	559.10
33 42 26 16-0076		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** *(33 42 26 16-0048)*		
33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	50.77	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	57.44	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	62.48	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	70.05	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	123.82	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	133.20	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	183.95	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	204.71	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	240.54	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	249.15	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	287.82	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	323.16	
33 42 26 16-0089		Corrugated Aluminum Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0090		Corrugated Aluminum Pipe End Sections *(33 42 26 16-0089)*		
33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	526.22	75.84
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	609.57	81.25
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	727.59	86.67
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	908.42	94.79
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,197.05	102.92
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,814.33	116.47
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,479.51	139.78
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,103.75	139.78
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,966.32	163.08
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,684.44	186.37
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,283.20	232.96
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,486.06	279.55
33 42 26 16-0103	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,560.16	419.33
33 42 26 16-0104	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,147.28	559.10
33 42 26 16-0105	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,180.13	599.87
33 42 26 16-0106	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,848.41	640.64
33 42 26 16-0107	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	17,667.14	698.88
33 42 26 16-0108	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	19,566.57	757.12
33 42 26 16-0109		Toe Plate Extensions For Corrugated Aluminum Pipe End Section *(33 42 26 16-0089)*		
33 42 26 16-0110	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	82.40	
33 42 26 16-0111	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	87.52	
33 42 26 16-0112	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	95.30	
33 42 26 16-0113	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	107.62	
33 42 26 16-0114	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	113.97	
33 42 26 16-0115	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	147.19	
33 42 26 16-0116	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	174.74	
33 42 26 16-0117	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	185.16	
33 42 26 16-0118	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	203.18	
33 42 26 16-0119	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	229.69	
33 42 26 16-0120	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	272.20	
33 42 26 16-0121	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	386.85	
33 42 26 16-0122	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	414.19	
33 42 26 16-0123	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	519.70	
33 42 26 16-0124	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	561.76	
33 42 26 16-0125	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	598.32	
33 42 26 16-0126	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	636.92	
33 42 26 16-0127	EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	675.79	
33 42 26 16-0128		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0129		Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0128)*		
33 42 26 16-0130	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	629.74	81.25
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	776.77	86.67
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	843.19	94.79
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	909.53	102.92
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,383.04	116.47
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,508.20	139.78
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,666.47	139.78
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,575.96	163.08
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,532.42	186.37
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,324.47	232.96
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,647.89	279.55
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,836.40	419.33
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,413.11	559.10
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,608.98	599.87
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,240.81	640.64
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,612.30	698.88
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	17,590.34	757.12
33 42 26 16-0147		Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*		
33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	87.52	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	95.30	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	100.33	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	109.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	124.26	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	161.55	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	178.18	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	203.18	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	229.69	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	272.20	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	349.88	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	445.14	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	597.08	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	679.55	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	710.67	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	735.52	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	766.36	
33 42 26 16-0165		Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0166		4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	823.52	81.25
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,070.54	86.67
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,317.12	94.79
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,581.51	102.92
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,669.00	116.47
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,189.61	139.78
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,497.98	163.08
33 42 26 16-0174		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	596.59	
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,217.66	
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,336.32	
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,388.07	
33 42 26 16-0179		6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	864.51	81.25
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,144.26	86.67
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,534.08	94.79
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,807.00	102.92
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,147.70	116.47
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,612.13	139.78
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	4,026.62	163.08
33 42 26 16-0187		3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,177.21	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,247.46	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,371.54	
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,436.83	
33 42 26 16-0192		Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*		
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	98.38	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	111.06	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	120.94	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	135.28	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	208.36	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	223.68	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	302.89	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	984.19	86.67
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,242.74	94.79
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,476.17	102.92
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,825.51	116.47
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	713.67	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,318.27	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,388.07	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	2,053.06	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	99.28	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	113.06	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	123.28	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	145.57	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High-Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	50.75	21.73
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	84.14	32.60
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	109.61	40.74
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	173.97	65.19
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	201.23	73.34
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	214.82	78.77
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	246.80	86.92
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	306.90	103.21
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	506.28	116.80
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	601.62	130.37
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	766.77	127.08
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	1,029.63	157.31
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,274.75	199.13
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,462.65	238.13
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,553.99	275.62
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,958.06	347.11
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,426.86	521.37
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,996.27	657.88
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,624.76	825.26
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,972.41	930.67
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,332.59	1,042.50
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,701.84	1,158.97
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,677.05	923.59
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,354.63	1,154.46
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,364.79	1,443.08
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,530.68	1,731.69
33 42 26 23-0019		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	966.35	135.70
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,163.66	169.13
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,412.66	214.09
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,614.10	256.02
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,969.71	296.32
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,374.41	473.26
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,469.00	651.59
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,336.39	822.35
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	4,003.25	1,031.77
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,331.29	1,163.63
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,844.60	1,303.30
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,367.53	1,447.61
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	6,260.77	1,667.87
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	7,303.12	1,861.58
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	8,281.61	2,094.19
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,554.04	2,326.57
33 42 26 23-0036		Elliptical Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0037	EA	14" x 23" Elliptical Precast Concrete End Section	1,685.46	214.09
33 42 26 23-0038	EA	18" x 24" Elliptical Precast Concrete End Section	1,921.53	256.02
33 42 26 23-0039	EA	19" x 30" Elliptical Precast Concrete End Section	2,350.91	296.32
33 42 26 23-0040	EA	22" x 34" Elliptical Precast Concrete End Section	2,790.38	473.26
33 42 26 23-0041	EA	24" x 38" Elliptical Precast Concrete End Section	2,841.63	651.59
33 42 26 23-0042	EA	27" x 42" Elliptical Precast Concrete End Section	3,351.73	737.32
33 42 26 23-0043	EA	29" x 45" Elliptical Precast Concrete End Section	3,861.83	822.35
33 42 26 23-0044	EA	34" x 53" Elliptical Precast Concrete End Section	4,616.83	1,031.77
33 42 26 23-0045	EA	38" x 60" Elliptical Precast Concrete End Section	4,977.35	1,163.63
33 42 26 23-0046	EA	43" x 68" Elliptical Precast Concrete End Section	5,566.57	1,303.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0047	EA	48" x 76" Elliptical Precast Concrete End Section	6,165.84	1,447.61
33 42 26 23-0048		**Mitered Precast Concrete End Sections** *(33 42 26 23-0001)*		
33 42 26 23-0049	EA	12" Round Mitered Precast Concrete End Sections	549.27	135.70
33 42 26 23-0050	EA	15" Round Mitered Precast Concrete End Sections	598.19	169.13
33 42 26 23-0051	EA	18" Round Mitered Precast Concrete End Sections	721.12	214.09
33 42 26 23-0052	EA	24" Round Mitered Precast Concrete End Sections	1,044.42	296.32
33 42 26 23-0053	EA	12" x 18" Elliptical Mitered Precast Concrete End Sections	641.53	169.13
33 42 26 23-0054	EA	14" x 23" Elliptical Mitered Precast Concrete End Sections	798.17	214.09
33 42 26 23-0055	EA	19" x 30" Elliptical Mitered Precast Concrete End Sections	1,138.30	296.32
33 42 31		**Stormwater Area Drains and Inlets** *(33 42)*		
33 42 31 00-0001		Storm Drains *(33 42 31)*		
33 42 31 00-0002		Catch Basins And Inlet Basins *(33 42 31 00-0001)*		
		Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
33 42 31 00-0003		Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0004		3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,975.67	381.09
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,354.42	446.52
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,733.18	511.83
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,111.94	577.26
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,490.69	642.57
33 42 31 00-0010		3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,482.51	378.79
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,085.82	505.06
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,961.79	688.72
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,808.78	803.50
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,503.40	918.29
33 42 31 00-0016		4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*		
33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,665.02	413.23
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,689.30	573.93
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,532.91	746.10
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,235.31	860.89
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,646.04	1,101.94
33 42 31 00-0022		Cast In Place, Catch Basin *(33 42 31 00-0002)*		
		Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023		3' x 3', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,486.59	460.75
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,637.32	489.90
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,885.87	526.18
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,235.87	582.43
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,493.81	619.96
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,658.38	650.15
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,916.54	687.68
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,077.16	717.99
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,337.44	755.41
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,499.90	785.71
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,757.94	823.24
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	594.77	102.85
33 42 31 00-0036		3'-6" x 3'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,860.50	532.61
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,051.82	570.03
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,310.15	607.56
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,719.07	672.88
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,002.14	715.35
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,191.65	750.59
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,478.46	793.05
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,667.95	828.29
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,953.03	870.76
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,142.14	906.00
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,427.34	948.48
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	678.44	118.58
33 42 31 00-0049		4' x 4', Cast In Place, Catch Basins *(33 42 31 00-0022)*		
33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,261.00	609.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,462.08	647.96
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,758.87	693.77
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,227.41	768.26
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,539.26	815.67
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,755.30	855.95
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,067.14	903.37
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,283.58	943.66
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,595.42	991.06
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,811.45	1,031.35
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	6,123.30	1,078.87
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	765.37	134.87

33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,776.48	706.51
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,012.19	746.46
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,341.99	798.10
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,876.45	882.82
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,223.73	936.31
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,475.29	982.56
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,822.17	1,036.06
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,073.74	1,082.43
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,421.02	1,135.92
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,670.47	1,182.18
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,019.47	1,235.67
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	877.50	154.50

33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,860.26	896.13
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,455.59	990.26
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,832.09	1,048.91
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,110.76	1,100.33
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,483.41	1,158.88
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,764.22	1,210.30
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,138.60	1,268.96
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,415.55	1,320.39
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,792.05	1,378.92
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,384.47	172.41

33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,403.95	999.32
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,287.96	1,131.23
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,706.04	1,196.41
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,026.28	1,254.84
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,446.08	1,320.50
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,768.44	1,378.92
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,186.52	1,444.58
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,506.76	1,503.01
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,924.83	1,568.67
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,115.60	196.06

33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,976.43	1,107.33
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,950.94	1,252.08
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,398.92	1,323.02
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,749.48	1,386.73
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,195.35	1,457.66
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,547.64	1,521.37
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,993.90	1,592.31
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,344.07	1,656.02
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,792.05	1,726.95
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,224.06	215.91

33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,573.82	1,220.52
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,929.52	1,414.05
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,423.38	1,492.56
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,821.43	1,563.84
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,315.28	1,642.24
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,713.32	1,713.63
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,207.18	1,792.03
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,605.23	1,863.32
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,100.80	1,941.83
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,387.54	242.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	7,198.49	1,338.63
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,683.32	1,549.83
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,207.79	1,633.86
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,634.83	1,710.54
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,161.30	1,794.45
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,588.33	1,871.24
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,112.80	1,955.14
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,541.96	2,031.94
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	12,066.32	2,115.84
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,508.35	264.47
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	8,178.00	1,502.43
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,467.83	1,691.13
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,021.18	1,780.56
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,480.95	1,862.74
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,036.31	1,952.16
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,496.08	2,034.35
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,049.42	2,123.76
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,509.19	2,205.95
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	13,064.67	2,295.37
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,633.04	286.96
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,888.03	1,634.67
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,281.10	1,837.95
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,865.57	1,932.77
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,355.94	2,020.46
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,940.30	2,115.28
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,426.43	2,202.97
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,015.02	2,297.79
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,505.41	2,385.48
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	14,079.57	2,480.30
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,761.22	310.04
33 42 31 00-0152		**3' x 6', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0153	EA	6' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,240.32	942.50
33 42 31 00-0154	EA	7' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	5,805.83	1,038.70
33 42 31 00-0155	EA	8' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,369.21	1,134.89
33 42 31 00-0156	EA	9' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,926.67	1,231.20
33 42 31 00-0157	EA	10' Deep, 3' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,499.73	1,327.39
33 42 31 00-0158		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)* Note: Inside span.		
33 42 31 00-0159	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,209.31	908.87
33 42 31 00-0160	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,949.40	1,037.20
33 42 31 00-0161	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,785.08	1,177.13
33 42 31 00-0162	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	8,139.48	1,412.09
33 42 31 00-0163	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,907.06	1,704.80
33 42 31 00-0164		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0165		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0164)*		
33 42 31 00-0166	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	738.29	237.44
33 42 31 00-0167	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,031.40	356.16
33 42 31 00-0168	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,310.75	463.01
33 42 31 00-0169	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,567.80	547.30
33 42 31 00-0170	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,934.50	694.51
33 42 31 00-0171	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,214.35	801.36
33 42 31 00-0172	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	154.58	53.42
33 42 31 00-0173		**2' Diameter Precast Catch Basins** *(33 42 31 00-0164)*		
33 42 31 00-0174	EA	4' Deep, 2' Diameter Precast Catch Basin	840.15	264.15
33 42 31 00-0175	EA	6' Deep, 2' Diameter Precast Catch Basin	1,167.33	391.77
33 42 31 00-0176	EA	8' Deep, 2' Diameter Precast Catch Basin	1,477.56	516.44
33 42 31 00-0177	EA	10' Deep, 2' Diameter Precast Catch Basin	1,761.40	602.51
33 42 31 00-0178	EA	12' Deep, 2' Diameter Precast Catch Basin	2,187.09	771.68
33 42 31 00-0179	EA	14' Deep, 2' Diameter Precast Catch Basin	2,500.30	890.40
33 42 31 00-0180	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	174.61	64.11
33 42 31 00-0181		**3' Diameter Precast Catch Basins** *(33 42 31 00-0164)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0182	EA	4' Deep, 3' Diameter Precast Catch Basin	1,101.59	311.64
33 42 31 00-0183	EA	6' Deep, 3' Diameter Precast Catch Basin	1,510.24	460.63
33 42 31 00-0184	EA	8' Deep, 3' Diameter Precast Catch Basin	1,903.16	608.44
33 42 31 00-0185	EA	10' Deep, 3' Diameter Precast Catch Basin	2,370.15	759.81
33 42 31 00-0186	EA	12' Deep, 3' Diameter Precast Catch Basin	2,801.80	905.83
33 42 31 00-0187	EA	14' Deep, 3' Diameter Precast Catch Basin	3,219.54	1,054.24
33 42 31 00-0188	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	222.02	75.30
33 42 31 00-0189		**4' Diameter Precast Catch Basins** *(33 42 31 00-0164)*		
33 42 31 00-0190	EA	4' Deep, 4' Diameter Precast Catch Basin	1,326.83	346.66
33 42 31 00-0191	EA	6' Deep, 4' Diameter Precast Catch Basin	1,730.25	474.88
33 42 31 00-0192	EA	8' Deep, 4' Diameter Precast Catch Basin	2,331.53	712.32
33 42 31 00-0193	EA	10' Deep, 4' Diameter Precast Catch Basin	2,909.58	890.40
33 42 31 00-0194	EA	12' Deep, 4' Diameter Precast Catch Basin	3,442.22	1,068.48
33 42 31 00-0195	EA	14' Deep, 4' Diameter Precast Catch Basin	3,959.61	1,246.56
33 42 31 00-0196	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	272.41	89.04
33 42 31 00-0197		**5' Diameter Precast Catch Basins** *(33 42 31 00-0164)*		
33 42 31 00-0198	EA	4' Deep, 5' Diameter Precast Catch Basin	1,787.78	474.88
33 42 31 00-0199	EA	6' Deep, 5' Diameter Precast Catch Basin	2,459.39	712.32
33 42 31 00-0200	EA	8' Deep, 5' Diameter Precast Catch Basin	3,134.48	949.76
33 42 31 00-0201	EA	10' Deep, 5' Diameter Precast Catch Basin	3,837.44	1,187.20
33 42 31 00-0202	EA	12' Deep, 5' Diameter Precast Catch Basin	4,531.12	1,424.64
33 42 31 00-0203	EA	14' Deep, 5' Diameter Precast Catch Basin	5,275.98	1,662.08
33 42 31 00-0204	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	362.49	118.72
33 42 31 00-0205		**6' Diameter Precast Catch Basins** *(33 42 31 00-0164)*		
33 42 31 00-0206	EA	4' Deep, 6' Diameter Precast Catch Basin	2,619.20	712.32
33 42 31 00-0207	EA	6' Deep, 6' Diameter Precast Catch Basin	3,570.08	1,068.48
33 42 31 00-0208	EA	8' Deep, 6' Diameter Precast Catch Basin	4,584.10	1,424.64
33 42 31 00-0209	EA	10' Deep, 6' Diameter Precast Catch Basin	5,714.14	1,780.80
33 42 31 00-0210	EA	12' Deep, 6' Diameter Precast Catch Basin	6,812.23	2,136.96
33 42 31 00-0211	EA	14' Deep, 6' Diameter Precast Catch Basin	7,887.63	2,493.13
33 42 31 00-0212	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	540.54	178.08
33 42 31 00-0213		**Precast Catch Basins Accessories** *(33 42 31 00-0164)*		
33 42 31 00-0214	EA	Single Or Double Wing Slab Top With Throat	1,646.11	771.68
33 42 31 00-0215	EA	4' x 4' Weir Box, Precast Catch Basin	706.62	94.97
33 42 31 00-0216	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	406.69	100.92
33 42 31 00-0217	EA	3' Diameter, Up To 6" High, Precast Extension Ring	511.07	148.40
		For Each Additional Inch In Height, Add	*60.42*	
33 42 31 00-0218	EA	4' Diameter, Up To 6" High, Precast Extension Ring	603.44	178.08
		For Each Additional Inch In Height, Add	*70.87*	
33 42 31 00-0219	EA	5' Diameter, Up To 6" High, Precast Extension Ring	703.77	207.76
		For Each Additional Inch In Height, Add	*82.71*	
33 42 31 00-0220	EA	6' Diameter, Up To 6" High, Precast Extension Ring	888.12	296.80
		For Each Additional Inch In Height, Add	*98.60*	
33 42 31 00-0221	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	712.28	
33 42 31 00-0222		**Catch Basin Risers** *(33 42 31 00-0164)*		
33 42 31 00-0223	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	438.99	
33 42 31 00-0224	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	490.21	
33 42 31 00-0225	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	551.11	
33 42 31 00-0226	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	472.62	
33 42 31 00-0227	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	527.27	
33 42 31 00-0228	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	594.78	
33 42 31 00-0229	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	522.87	
33 42 31 00-0230	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	571.41	
33 42 31 00-0231	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	639.14	
33 42 31 00-0232		**Precast Concrete Inlet Boxes** *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0233		**Precast Concrete Inlet Boxes** *(33 42 31 00-0232)*		
33 42 31 00-0234		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
		Note: Yard inlet.		
33 42 31 00-0235		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0234)*		
33 42 31 00-0236	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	924.97	83.10
33 42 31 00-0237	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,087.05	100.92
33 42 31 00-0238	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,249.13	118.72
33 42 31 00-0239	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,412.69	137.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0240		**24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0234)*		
33 42 31 00-0241	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	227.38	
33 42 31 00-0242	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	371.64	
33 42 31 00-0243	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	527.78	
33 42 31 00-0244	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	683.92	
33 42 31 00-0245	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	840.06	
33 42 31 00-0246	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	996.21	
33 42 31 00-0247		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
33 42 31 00-0248		**22" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0247)*		
33 42 31 00-0249	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,887.87	232.96
33 42 31 00-0250	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,122.73	269.36
33 42 31 00-0251	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,357.59	305.76
33 42 31 00-0252	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,592.63	342.25
33 42 31 00-0253	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,827.65	378.73
33 42 31 00-0254	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,062.69	415.23
33 42 31 00-0255	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,297.73	451.71
33 42 31 00-0256		**22" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0247)*		
33 42 31 00-0257	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	444.88	
33 42 31 00-0258	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	723.57	
33 42 31 00-0259	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	782.98	
33 42 31 00-0260	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,004.40	
33 42 31 00-0261	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,225.82	
33 42 31 00-0262	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,438.28	
33 42 31 00-0263	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,673.14	
33 42 31 00-0264	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,908.00	
33 42 31 00-0265	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,143.04	
33 42 31 00-0266	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,378.06	
33 42 31 00-0267	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,613.10	
33 42 31 00-0268	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,848.14	
33 42 31 00-0269		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
33 42 31 00-0270		**30" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0269)*		
33 42 31 00-0271	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,816.06	256.25
33 42 31 00-0272	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,050.83	296.29
33 42 31 00-0273	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,285.59	336.33
33 42 31 00-0274	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,520.55	376.47
33 42 31 00-0275	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,755.52	416.61
33 42 31 00-0276	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,990.47	456.75
33 42 31 00-0277	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,225.43	496.88
33 42 31 00-0278		**30" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0269)*		
33 42 31 00-0279	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	440.52	
33 42 31 00-0280	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	708.64	
33 42 31 00-0281	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	769.24	
33 42 31 00-0282	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	985.66	
33 42 31 00-0283	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,202.08	
33 42 31 00-0284	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,417.34	
33 42 31 00-0285	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,648.89	
33 42 31 00-0286	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,879.30	
33 42 31 00-0287	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,110.85	
33 42 31 00-0288	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,341.25	
33 42 31 00-0289	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,572.82	
33 42 31 00-0290	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,804.37	
33 42 31 00-0291		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
33 42 31 00-0292		**42" x 48" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0291)*		
33 42 31 00-0293	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,163.55	279.55
33 42 31 00-0294	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,439.42	324.98
33 42 31 00-0295	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,715.30	371.57
33 42 31 00-0296	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,990.01	417.00
33 42 31 00-0297	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,265.88	463.59
33 42 31 00-0298	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,541.76	509.02
33 42 31 00-0299	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,816.47	554.44
33 42 31 00-0300		**42" x 48" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0291)*		
33 42 31 00-0301	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	487.77	
33 42 31 00-0302	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	800.82	
33 42 31 00-0303	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	863.15	
33 42 31 00-0304	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,109.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0305	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,355.50	
33 42 31 00-0306	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,601.67	
33 42 31 00-0307	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,863.57	
33 42 31 00-0308	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,125.46	
33 42 31 00-0309	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,387.36	
33 42 31 00-0310	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,649.26	
33 42 31 00-0311	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,911.15	
33 42 31 00-0312	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,173.05	
33 42 31 00-0313		**42" x 48" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0291)*		
33 42 31 00-0314	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,225.05	174.72
33 42 31 00-0315		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
33 42 31 00-0316		**48" x 54" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0315)*		
33 42 31 00-0317	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,081.98	310.61
33 42 31 00-0318	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,452.17	361.67
33 42 31 00-0319	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,822.39	412.72
33 42 31 00-0320	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,192.21	463.59
33 42 31 00-0321	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,562.05	514.47
33 42 31 00-0322	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,931.90	565.33
33 42 31 00-0323	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	5,301.72	616.20
33 42 31 00-0324		**48" x 54" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0315)*		
33 42 31 00-0325	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	489.41	
33 42 31 00-0326	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	788.56	
33 42 31 00-0327	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,153.73	
33 42 31 00-0328	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,518.88	
33 42 31 00-0329	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,864.64	
33 42 31 00-0330	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,229.81	
33 42 31 00-0331	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,600.00	
33 42 31 00-0332	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,970.22	
33 42 31 00-0333	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,340.05	
33 42 31 00-0334	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,709.88	
33 42 31 00-0335	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,079.73	
33 42 31 00-0336	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,449.55	
33 42 31 00-0337		**48" x 54" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0315)*		
33 42 31 00-0338	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,331.51	189.28
33 42 31 00-0339		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
33 42 31 00-0340		**48" x 66" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0339)*		
33 42 31 00-0341	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,548.15	391.37
33 42 31 00-0342	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,953.87	456.76
33 42 31 00-0343	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,359.59	522.15
33 42 31 00-0344	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,764.58	587.18
33 42 31 00-0345	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,169.59	652.21
33 42 31 00-0346	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,574.59	717.24
33 42 31 00-0347	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,979.58	782.27
33 42 31 00-0348		**48" x 66" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0339)*		
33 42 31 00-0349	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	535.85	
33 42 31 00-0350	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	843.42	
33 42 31 00-0351	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,248.82	
33 42 31 00-0352	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,654.21	
33 42 31 00-0353	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,027.00	
33 42 31 00-0354	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,432.41	
33 42 31 00-0355	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,838.12	
33 42 31 00-0356	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,243.85	
33 42 31 00-0357	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,648.84	
33 42 31 00-0358	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,053.84	
33 42 31 00-0359	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,458.85	
33 42 31 00-0360	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,863.84	
33 42 31 00-0361		**48" x 66" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0339)*		
33 42 31 00-0362	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,480.12	211.99
33 42 31 00-0363		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0233)*		
33 42 31 00-0364		**42" x 102" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0363)*		
33 42 31 00-0365	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,438.31	527.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0366	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,951.10	615.01
33 42 31 00-0367	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,463.89	701.21
33 42 31 00-0368	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,975.52	788.56
33 42 31 00-0369	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,488.30	874.76
33 42 31 00-0370	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,999.94	960.96
33 42 31 00-0371	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,513.88	1,048.32
33 42 31 00-0372		**42" x 102" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0363)*		
33 42 31 00-0373	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	715.46	
33 42 31 00-0374	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,107.12	
33 42 31 00-0375	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,611.75	
33 42 31 00-0376	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,116.39	
33 42 31 00-0377	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,587.25	
33 42 31 00-0378	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,091.88	
33 42 31 00-0379	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,604.68	
33 42 31 00-0380	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,117.47	
33 42 31 00-0381	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,629.09	
33 42 31 00-0382	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,141.88	
33 42 31 00-0383	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,653.51	
33 42 31 00-0384	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	6,166.30	
33 42 31 00-0385		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0363)*		
33 42 31 00-0386	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	2,026.71	232.96
33 42 31 00-0387		**Frames And Grates For Inlets** *(33 42 31 00-0232)*		
33 42 31 00-0388		**Inlet Frames And Grates** *(33 42 31 00-0387)*		
33 42 31 00-0389	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	436.58	54.17
33 42 31 00-0390	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	567.08	54.17
33 42 31 00-0391	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	567.08	54.17
33 42 31 00-0392	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	567.08	54.17
33 42 31 00-0393	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	621.70	54.17
33 42 31 00-0394	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	456.97	108.34
33 42 31 00-0395	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	533.43	108.34
33 42 31 00-0396	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	664.06	135.42
33 42 31 00-0397	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	565.76	135.42
33 42 31 00-0398	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	576.68	135.42
33 42 31 00-0399	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	598.52	135.42
33 42 31 00-0400	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	620.37	135.42
33 42 31 00-0401	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	598.52	135.42
33 42 31 00-0402	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	620.37	135.42
33 42 31 00-0403	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	642.21	135.42
33 42 31 00-0404	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	926.20	135.42
33 42 31 00-0405	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	969.89	135.42
33 42 31 00-0406	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	1,013.58	135.42
33 42 31 00-0407	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	685.90	135.42
33 42 31 00-0408	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	620.37	135.42
33 42 31 00-0409	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	620.37	135.42
33 42 31 00-0410	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,277.60	135.42
33 42 31 00-0411	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,277.60	135.42
33 42 31 00-0412	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	516.38	148.97
33 42 31 00-0413	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	723.91	148.97
33 42 31 00-0414	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	723.91	148.97
33 42 31 00-0415	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	800.36	148.97
33 42 31 00-0416	EA	Type B Inlet Frame (US Foundry 5216 FRM)	920.51	148.97
33 42 31 00-0417	EA	Type D Inlet Frame (US Foundry 2999 FRM)	789.44	148.97
33 42 31 00-0418	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,128.04	148.97
33 42 31 00-0419	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	996.97	148.97
33 42 31 00-0420	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,285.31	216.68
33 42 31 00-0421	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,071.73	216.68
33 42 31 00-0422	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,252.54	216.68
33 42 31 00-0423	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,969.06	216.68
33 42 31 00-0424	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,102.73	325.02
33 42 31 00-0425	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,154.42	433.36
33 42 31 00-0426	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,363.09	433.36
33 42 31 00-0427	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,363.09	433.36
33 42 31 00-0428	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,090.02	433.36
33 42 31 00-0429	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,090.02	433.36
33 42 31 00-0430	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,450.47	433.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0431		**Catch Basin Frames And Covers** *(33 42 31 00-0001)*		
33 42 31 00-0432		**Cast Iron Frames And Covers** *(33 42 31 00-0431)*		
33 42 31 00-0433	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,187.38	118.72
33 42 31 00-0434	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,513.63	134.16
33 42 31 00-0435	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,723.90	138.90
33 42 31 00-0436	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,946.85	161.46
33 42 31 00-0437	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,296.29	184.02
33 42 31 00-0438	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,712.05	192.33
33 42 31 00-0439	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	1,993.43	146.03
33 42 31 00-0440	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,614.37	168.58
33 42 31 00-0441	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	2,966.33	175.71
33 42 31 00-0442	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,796.21	175.71
33 42 31 00-0443	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,889.10	182.82
33 42 31 00-0444	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	3,106.74	189.95
33 42 31 00-0445	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,751.02	204.20
33 42 31 00-0446		**Area Yard Drain** *(33 42 31 00-0001)*		
		See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0447		**Ductile Iron Grates** *(33 42 31 00-0446)*		
		Note: Not for traffic loading.		
33 42 31 00-0448	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	169.97	40.74
33 42 31 00-0449	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	207.97	43.46
33 42 31 00-0450	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	481.03	54.32
33 42 31 00-0451	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	574.79	65.19
33 42 31 00-0452		**Concrete Drainage Inlet Structures (CALTRANS)** *(33 42 31 00-0001)*		
33 42 31 00-0453		**Type OS Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0454	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,768.52	
33 42 31 00-0455	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,216.19	
33 42 31 00-0456	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,631.77	
33 42 31 00-0457	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,015.24	
33 42 31 00-0458	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,366.62	
33 42 31 00-0459	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,685.89	
33 42 31 00-0460	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,376.15	
33 42 31 00-0461	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,433.03	
33 42 31 00-0462	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,408.41	
33 42 31 00-0463	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,304.65	
33 42 31 00-0464	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,166.69	
33 42 31 00-0465	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,959.00	
33 42 31 00-0466	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,681.60	
33 42 31 00-0467		**Type OL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0468	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,769.89	
33 42 31 00-0469	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,188.23	
33 42 31 00-0470	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,574.47	
33 42 31 00-0471	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,928.61	
33 42 31 00-0472	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,249.45	
33 42 31 00-0473	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,539.38	
33 42 31 00-0474	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,179.45	
33 42 31 00-0475	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,211.58	
33 42 31 00-0476	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,162.20	
33 42 31 00-0477	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,032.51	
33 42 31 00-0478	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,873.08	
33 42 31 00-0479	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,643.94	
33 42 31 00-0480	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,345.08	
33 42 31 00-0481		**Type OL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0482	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,692.73	
33 42 31 00-0483	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,084.28	
33 42 31 00-0484	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,442.55	
33 42 31 00-0485	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,769.91	
33 42 31 00-0486	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,063.98	
33 42 31 00-0487	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,325.95	
33 42 31 00-0488	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,982.74	
33 42 31 00-0489	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,988.93	
33 42 31 00-0490	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,915.99	
33 42 31 00-0491	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,761.55	
33 42 31 00-0492	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,579.48	
33 42 31 00-0493	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,328.88	
33 42 31 00-0494	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,007.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0495		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0496	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,008.27	
33 42 31 00-0497	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,360.26	
33 42 31 00-0498	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,680.14	
33 42 31 00-0499	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,967.94	
33 42 31 00-0500	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,223.63	
33 42 31 00-0501	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,447.21	
33 42 31 00-0502	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,120.74	
33 42 31 00-0503	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,091.77	
33 42 31 00-0504	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,982.49	
33 42 31 00-0505	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,792.89	
33 42 31 00-0506	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,581.50	
33 42 31 00-0507	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,299.21	
33 42 31 00-0508	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,947.19	
33 42 31 00-0509		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0510	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,678.61	
33 42 31 00-0511	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,951.96	
33 42 31 00-0512	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,193.22	
33 42 31 00-0513	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,402.39	
33 42 31 00-0514	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,578.26	
33 42 31 00-0515	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,723.21	
33 42 31 00-0516	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,346.53	
33 42 31 00-0517	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,248.28	
33 42 31 00-0518	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,069.71	
33 42 31 00-0519	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,810.80	
33 42 31 00-0520	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,539.23	
33 42 31 00-0521	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,196.76	
33 42 31 00-0522	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,784.57	
33 42 31 00-0523		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0524	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,574.92	
33 42 31 00-0525	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,036.65	
33 42 31 00-0526	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,461.50	
33 42 31 00-0527	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,849.48	
33 42 31 00-0528	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,201.79	
33 42 31 00-0529	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,518.40	
33 42 31 00-0530	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,300.71	
33 42 31 00-0531	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,450.22	
33 42 31 00-0532	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,509.41	
33 42 31 00-0533	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,477.09	
33 42 31 00-0534	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,413.38	
33 42 31 00-0535	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,271.26	
33 42 31 00-0536	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,049.52	
33 42 31 00-0537		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0538	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,576.30	
33 42 31 00-0539	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,007.50	
33 42 31 00-0540	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,403.01	
33 42 31 00-0541	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,762.85	
33 42 31 00-0542	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,085.82	
33 42 31 00-0543	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,371.90	
33 42 31 00-0544	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,154.22	
33 42 31 00-0545	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,276.76	
33 42 31 00-0546	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,308.98	
33 42 31 00-0547	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,250.89	
33 42 31 00-0548	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,163.71	
33 42 31 00-0549	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,998.12	
33 42 31 00-0550	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,754.08	
33 42 31 00-0551		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0552	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,865.31	
33 42 31 00-0553	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,229.90	
33 42 31 00-0554	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,567.56	
33 42 31 00-0555	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,880.64	
33 42 31 00-0556	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,169.16	
33 42 31 00-0557	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,430.74	
33 42 31 00-0558		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0559	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,572.16	
33 42 31 00-0560	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,981.86	
33 42 31 00-0561	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,362.22	
33 42 31 00-0562	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,713.24	
33 42 31 00-0563	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,034.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0564	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,326.08	
33 42 31 00-0565	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,857.36	
33 42 31 00-0566	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,832.43	
33 42 31 00-0567	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,733.68	
33 42 31 00-0568	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,561.09	
33 42 31 00-0569	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,357.00	
33 42 31 00-0570	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,088.86	
33 42 31 00-0571	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,755.48	
33 42 31 00-0572		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0573	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,022.39	
33 42 31 00-0574	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,381.87	
33 42 31 00-0575	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,715.60	
33 42 31 00-0576	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,024.75	
33 42 31 00-0577	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,306.97	
33 42 31 00-0578	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,564.61	
33 42 31 00-0579		**Type G-4_24 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0580	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,493.62	
33 42 31 00-0581	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,905.88	
33 42 31 00-0582	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,288.80	
33 42 31 00-0583	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,641.19	
33 42 31 00-0584	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,965.42	
33 42 31 00-0585	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,259.13	
33 42 31 00-0586	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,823.88	
33 42 31 00-0587	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,800.84	
33 42 31 00-0588	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,702.76	
33 42 31 00-0589	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,530.86	
33 42 31 00-0590	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,327.32	
33 42 31 00-0591	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,059.73	
33 42 31 00-0592	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,728.08	
33 42 31 00-0593		**Type G-4_18 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0594	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,572.16	
33 42 31 00-0595	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,981.86	
33 42 31 00-0596	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,362.22	
33 42 31 00-0597	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,713.24	
33 42 31 00-0598	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,034.92	
33 42 31 00-0599	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,326.08	
33 42 31 00-0600	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,857.36	
33 42 31 00-0601	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,832.43	
33 42 31 00-0602	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,733.68	
33 42 31 00-0603	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,561.09	
33 42 31 00-0604	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,357.00	
33 42 31 00-0605	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,088.86	
33 42 31 00-0606	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,755.48	
33 42 31 00-0607		**Type G-5 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0608	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,002.75	
33 42 31 00-0609	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,362.58	
33 42 31 00-0610	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,697.83	
33 42 31 00-0611	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,006.14	
33 42 31 00-0612	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,289.89	
33 42 31 00-0613	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,547.89	
33 42 31 00-0614		**Type G-6 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0615	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,042.02	
33 42 31 00-0616	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,401.16	
33 42 31 00-0617	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,734.55	
33 42 31 00-0618	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,042.18	
33 42 31 00-0619	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,324.05	
33 42 31 00-0620	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,581.35	
33 42 31 00-0621		**Type GT1 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0622	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,416.46	
33 42 31 00-0623	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,978.38	
33 42 31 00-0624	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,538.03	
33 42 31 00-0625	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,982.05	
33 42 31 00-0626	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,422.60	
33 42 31 00-0627	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,823.88	
33 42 31 00-0628		**Type GT2 Concrete Drainage Inlet Structure** *(33 42 31 00-0452)*		
33 42 31 00-0629	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,142.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0630	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,754.69	
33 42 31 00-0631	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,321.05	
33 42 31 00-0632	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,843.24	
33 42 31 00-0633	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,320.05	
33 42 31 00-0634	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,752.69	
33 42 31 00-0635	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,037.06	
33 42 31 00-0636	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,474.60	
33 42 31 00-0637	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,801.57	
33 42 31 00-0638	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,019.12	
33 42 31 00-0639	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,192.10	
33 42 31 00-0640	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,269.00	
33 42 31 00-0641	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,249.82	
33 42 31 00-0642		Type GT3 Concrete Drainage Inlet Structure *(33 42 31 00-0452)*		
33 42 31 00-0643	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,396.83	
33 42 31 00-0644	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,959.10	
33 42 31 00-0645	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,482.09	
33 42 31 00-0646	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,964.64	
33 42 31 00-0647	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,405.53	
33 42 31 00-0648	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,807.16	
33 42 31 00-0649		Type GT4 Concrete Drainage Inlet Structure *(33 42 31 00-0452)*		
33 42 31 00-0650	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,280.40	
33 42 31 00-0651	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,887.36	
33 42 31 00-0652	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,450.13	
33 42 31 00-0653	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,967.56	
33 42 31 00-0654	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,440.79	
33 42 31 00-0655	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,869.84	
33 42 31 00-0656	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,053.80	
33 42 31 00-0657	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,491.01	
33 42 31 00-0658	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,817.61	
33 42 31 00-0659	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,033.64	
33 42 31 00-0660	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,206.34	
33 42 31 00-0661	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,282.97	
33 42 31 00-0662	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,263.53	
33 42 31 00-0663		Type GO Concrete Drainage Inlet Structure *(33 42 31 00-0452)*		
33 42 31 00-0664	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,434.72	
33 42 31 00-0665	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,829.89	
33 42 31 00-0666	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,196.42	
33 42 31 00-0667	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,534.29	
33 42 31 00-0668	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,843.50	
33 42 31 00-0669	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,125.25	
33 42 31 00-0670	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,673.27	
33 42 31 00-0671	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,619.37	
33 42 31 00-0672	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,491.96	
33 42 31 00-0673	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,293.41	
33 42 31 00-0674	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,065.89	
33 42 31 00-0675	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,774.34	
33 42 31 00-0676	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,421.11	
33 42 31 00-0677		Type GDO Concrete Drainage Inlet Structure *(33 42 31 00-0452)*		
33 42 31 00-0678	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,180.85	
33 42 31 00-0679	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,700.28	
33 42 31 00-0680	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,182.23	
33 42 31 00-0681	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,627.88	
33 42 31 00-0682	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,034.85	
33 42 31 00-0683	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,405.50	
33 42 31 00-0684	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,296.59	
33 42 31 00-0685	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,515.96	
33 42 31 00-0686	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,642.19	
33 42 31 00-0687	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,676.44	
33 42 31 00-0688	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,671.85	
33 42 31 00-0689	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,586.32	
33 42 31 00-0690	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,419.86	
33 42 33		**Stormwater Curbside Drains and Inlets** *(33 42)*		
33 42 33 00-0001		Curb Inlet Frames And Covers *(33 42 33)*		
33 42 33 00-0002		Cast Iron Curb Inlet Frames And Covers *(33 42 33 00-0001)*		
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,504.95	138.90
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,676.10	161.46
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,787.56	161.46
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	3,052.00	189.95
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	3,012.80	203.01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*

Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0004 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*

33 42 36 00-0005 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	73.14	19.00
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0007 Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*

33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	55.52
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	67.39
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	67.39

33 42 36 00-0011 6" Wide, Modular Trench Drains *(33 42 36 00-0002)*

33 42 36 00-0012 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*

33 42 36 00-0013 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	224.80	19.00
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	

33 42 36 00-0015 Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	102.37
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	114.24
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	114.24

33 42 36 00-0019 Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*

33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.87
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.87
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	932.88
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,806.40
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38

33 42 36 00-0025 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*

33 42 36 00-0026 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*

33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	327.44	19.00
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	

33 42 36 00-0028 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*

33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	111.10
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	122.97
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	122.97

33 42 36 00-0032 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*

33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.87
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	932.88	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,806.40	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	423.53	19.00
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.98	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	192.85	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	192.85	
33 42 36 00-0045		Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.87	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.87	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	932.88	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,806.40	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0052		6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	506.38	
33 42 36 00-0054		Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	200.78	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	244.60	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	77.42	
33 42 36 00-0058		12" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0059		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0060		12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	423.49	26.11
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0062		Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	210.73	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	226.56	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	226.56	
33 42 36 00-0066		Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	351.92	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	461.11	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,838.36	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,585.40	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0072		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0073		12" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	532.68	26.11
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0075		**Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	219.47	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	235.30	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	235.30	
33 42 36 00-0079		**Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	351.92	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	461.11	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,838.36	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,585.40	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0085		**12" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0086		**12" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0085)*		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	751.06	26.11
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0088		**Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0085)*		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	547.04	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	562.87	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	562.87	
33 42 36 00-0092		**Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0085)*		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	351.92	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	461.11	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,838.36	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,585.40	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0098		**12" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0099		**12" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	679.19	
33 42 36 00-0101		**Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	341.52	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	588.44	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	135.90	
33 42 36 00-0105		**23" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0106		**23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0105)*		
33 42 36 00-0107		**23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0106)*		
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	593.76	35.62
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0109		**Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0106)*		
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	671.14	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	979.04	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	979.04	
33 42 36 00-0113		**Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0106)*		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	799.95	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,642.46	
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,136.54	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0118		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	46.44	3.56
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	48.83	3.56
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	39.29	3.56
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	104.83	3.56
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	39.29	3.56
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	104.83	3.56
33 42 36 00-0126		6" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.57	3.56
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.60	3.56
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.77	3.56
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.53	3.56
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.63	3.56
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.82	3.56
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.82	3.56
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.63	3.56
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.80	3.56
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.80	3.56
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.84	3.56
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.84	3.56
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	219.94	3.56
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	219.94	3.56
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.38	3.56
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.38	3.56
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,124.04	3.56
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	150.06	3.56
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	324.76	3.56
33 42 36 00-0146		12" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	596.16	3.86
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	569.95	3.86
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.70	3.86
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.81	3.86
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.84	3.86
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	881.14	3.86
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	881.14	3.86
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.64	3.86
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.64	3.86
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.83	3.86
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.83	3.86
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.67	3.86
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	643.11	3.86
33 42 36 00-0160		23" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.80	4.16
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.30	4.16
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,230.06	4.16
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	911.22	4.16

33 44 Storm Utility Water Drains *(33 40)*

33 44 33 Stormwater Trash and Debris Guards *(33 44)*

33 44 33 00-0001		Storm Water Trash Collection *(33 44 33)*		
33 44 33 00-0002		Trash Racks And Debris Cages For Storm Water Structures *(33 44 33 00-0001)*		
33 44 33 00-0003		High-Density Polyethylene (HDPE) Structural Trash Rack And Debris Cage *(33 44 33 00-0002)*		
33 44 33 00-0004	EA	30" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 24" inside diameter concrete pipe.	2,388.51	147.44
33 44 33 00-0005	EA	44" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 36" inside diameter concrete pipe.	2,815.80	162.18
33 44 33 00-0006	EA	58" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 48" inside diameter concrete pipe.	3,953.46	184.30
33 44 33 00-0007	EA	72" Diameter High-Density Polyethylene (HDPE) Pyramid Trash Rack Note: For 60" inside diameter concrete pipe.	5,049.74	221.15
33 44 33 00-0008	SF	Up To 4 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	210.77	22.11
33 44 33 00-0009	SF	>4 To 8 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	150.73	18.43
33 44 33 00-0010	SF	>8 To 12 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	119.90	14.74
33 44 33 00-0011	SF	>12 To 20 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	106.16	12.90
33 44 33 00-0012	SF	>20 To 35 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	100.08	11.06
33 44 33 00-0013	SF	>35 To 55 SF Opening Flat Roof High-Density Polyethylene (HDPE) Trash Rack	90.57	9.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 33 00-0014	SF	Up To 4 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	256.10	22.11
33 44 33 00-0015	SF	>4 To 8 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	182.27	18.43
33 44 33 00-0016	SF	>8 To 12 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	144.96	14.74
33 44 33 00-0017	SF	>12 To 20 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	128.41	12.90
33 44 33 00-0018	SF	>20 To 35 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	121.42	11.06
33 44 33 00-0019	SF	>35 To 55 SF Opening Arched Roof High-Density Polyethylene (HDPE) Trash Rack	110.15	9.23

33 44 33 00-0020 Galvanized Steel Structural Trash Rack And Debris Cage *(33 44 33 00-0002)*

33 44 33 00-0021	EA	30" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 24" inside diameter concrete pipe.	4,188.11	221.15
33 44 33 00-0022	EA	44" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 36" inside diameter concrete pipe.	5,193.96	245.73
33 44 33 00-0023	EA	58" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 48" inside diameter concrete pipe.	5,921.64	275.22
33 44 33 00-0024	EA	72" Diameter Galvanized Steel Pyramid Trash Rack With Baffle Note: For 60" inside diameter concrete pipe.	6,571.41	331.73
33 44 33 00-0025	SF	Up To 4 SF Opening Flat Roof Galvanized Steel Trash Rack	252.71	33.17
33 44 33 00-0026	SF	>4 To 8 SF Opening Flat Roof Galvanized Steel Trash Rack	181.94	27.64
33 44 33 00-0027	SF	>8 To 12 SF Opening Flat Roof Galvanized Steel Trash Rack	144.77	22.11
33 44 33 00-0028	SF	>12 To 20 SF Opening Flat Roof Galvanized Steel Trash Rack	128.12	19.35
33 44 33 00-0029	SF	>20 To 35 SF Opening Flat Roof Galvanized Steel Trash Rack	120.25	16.58
33 44 33 00-0030	SF	>35 To 55 SF Opening Flat Roof Galvanized Steel Trash Rack	108.46	13.82

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	20,226.04
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,721.49
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	29,583.82
		For Interior Polyurethane Coating, Add	*1,340.10*

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	31,353.29
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	36,045.79
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	43,991.25
		For Interior Polyurethane Coating, Add	*1,340.10*
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	51,181.42
		For Interior Polyurethane Coating, Add	*1,550.70*
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	67,945.29
		For Interior Polyurethane Coating, Add	*2,057.80*

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,214.16
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,655.01
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	991.52
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	727.91
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	233.62
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,311.90
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,623.80
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,935.81
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	779.64
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	920.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,840.47	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	4,078.80	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,109.16	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,444.96	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,000.46	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,643.67	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,684.96	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,880.02	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,413.40	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,465.27	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,786.01	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,805.33	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,397.17	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,695.94	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	2,012.28	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	118.63	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	134.01	

33 44 36 00-0041 Oil Skimmers *(33 44 36)*

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,285.10	717.99
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,520.90	717.99
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,306.94	717.99
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,609.32	717.99
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,554.74	717.99
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,754.51	717.99
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,606.04	717.99
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,907.34	717.99
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,017.32	957.53
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,269.49	957.53
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,083.91	957.53
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,446.34	957.53
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,654.84	957.53
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,907.01	957.53
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,708.33	957.53
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	7,071.85	957.53

33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	281.21
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	329.24

33 44 36 00-0064 Inclined Plate Hydrodynamic Separator *(33 44 36)*

Note: Includes precast base, riser and lid slab, aluminum incline plate assembly, sludge dispersion manifold, oil sorbent booms, two manhole frames and covers, and joint sealer. Terre Kleen as manufactured by Terre Hill Storm Water Systems, Terre Hill, PA.

33 44 36 00-0065	EA	4'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK09)	48,648.72
		For Each VLF Of Riser, Add	*450.00*
33 44 36 00-0066	EA	6'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK18)	75,498.62
		For Each VLF Of Riser, Add	*525.00*
33 44 36 00-0067	EA	8'-6" x 6'-0" x 8'-10" Inclined Plate Hydrodynamic Separator (Terre Hill TK27)	90,144.02
		For Each VLF Or Riser, Add	*600.00*

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	618.11	
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	571.03	
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	536.72	
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	503.54	
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	254.63	
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	225.72	
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	208.68	
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	191.90	
33 46 23 00-0011		85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*		
33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	350.41	
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	321.37	
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	300.98	
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	282.29	
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	198.71	
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	177.25	
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	164.04	
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	152.20	
33 46 23 00-0020		90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*		
33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	1,055.06	
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	984.14	
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	926.99	
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	874.87	
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	887.84	
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	825.26	
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	776.07	
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	731.49	
33 46 23 00-0029		85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*		
33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	642.09	
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	593.83	
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	558.36	
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	524.09	
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	254.63	
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	221.19	
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	208.68	
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	191.90	
33 46 23 00-0038		52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*		
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,096.33	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,021.34	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	960.15	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	906.96	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,367.07	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,278.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,204.49	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,139.08	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	64.82	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	82.35	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	107.54	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	135.87	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	776.12	

33 46 53 Stormwater Leaching Pits *(33 46)*

33 46 53 00-0001		Drainage Wells *(33 46 53)* Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	35.55	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	43.76	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	59.09	
33 46 53 00-0005		Dry Well Hole Augering In Soil *(33 46 53)*		
33 46 53 00-0006	VLF	Up To 2-1/2" Diameter Dry Well Hole, Augering In Soil	9.80	
33 46 53 00-0007	VLF	2-1/2" Diameter Dry Well Hole, Augering In Soil	12.25	
33 46 53 00-0008	VLF	3" Diameter Dry Well Hole, Augering In Soil	14.52	
33 46 53 00-0009	VLF	4" Diameter Dry Well Hole, Augering In Soil	16.34	
33 46 53 00-0010	VLF	6" Diameter Dry Well Hole, Augering In Soil	17.82	
33 46 53 00-0011	VLF	8" Diameter Dry Well Hole, Augering In Soil	19.61	
33 46 53 00-0012	VLF	10" Diameter Dry Well Hole, Augering In Soil	21.79	
33 46 53 00-0013	VLF	12" Diameter Dry Well Hole, Augering In Soil	24.51	
33 46 53 00-0014	VLF	18" Diameter Dry Well Hole, Augering In Soil	28.01	
33 46 53 00-0015	VLF	24" Diameter Dry Well Hole, Augering In Soil	32.68	
33 46 53 00-0016	VLF	30" Diameter Dry Well Hole, Augering In Soil	39.22	
33 46 53 00-0017	VLF	36" Diameter Dry Well Hole, Augering In Soil	49.02	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

33 52 16 13-0001		Gas Distribution Lines *(33 52 16 13)* Note: Excludes excavation and backfill.		
33 52 16 13-0002		Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*		
33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	20.58	3.18
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	23.71	3.50
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	27.14	3.59
33 52 16 13-0006	LF	1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	27.84	3.68
33 52 16 13-0007	LF	1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	28.90	3.73
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	30.61	3.99
33 52 16 13-0009	LF	2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	42.83	4.76
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	53.39	6.00
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	71.91	7.25
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	97.07	8.41
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	122.04	10.27
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	177.54	13.20
33 52 16 13-0015		Gas Line Taps *(33 52 16 13-0001)* Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016		Polyethylene, 60 PSI *(33 52 16 13-0015)*		
33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,616.40	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,707.22	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,881.44	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	4,580.51	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	7,104.55	
33 52 16 13-0022		Steel, Schedule 40 *(33 52 16 13-0015)* Note: For punch steel service tee.		
33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,058.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,109.92	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,180.54	
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,248.98	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,300.64	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,593.89	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,683.65	
33 52 16 13-0030		**Protective Pipe And Fitting Wrap** *(33 52 16 13-0001)* Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		**Corrosion Protection Pipe Wrap For Pipe** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.95	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.16	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.41	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.11	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.47	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.50	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.30	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.75	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.01	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	20.23	
33 52 16 13-0042		**Corrosion Resistance Wrap And Coat - Fittings** *(33 52 16 13-0030)* Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.12	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	23.12	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	28.32	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	32.38	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	32.38	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	38.37	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	50.97	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	73.16	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	74.47	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	86.28	
33 52 16 13-0053		**Service Fittings** *(33 52 16 13-0001)*		
33 52 16 13-0054		**Brass Fittings** *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	41.56	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	48.39	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	61.53	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	76.58	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	86.04	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	112.43	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	35.85	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	41.31	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	53.79	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	69.84	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	80.00	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	107.46	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	28.85	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	37.08	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	48.30	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	68.70	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	83.09	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	111.50	
33 52 16 13-0073		**Anodeless Gas Riser** *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodeless Gas Riser	106.99	
33 52 16 13-0075	EA	1" Anodeless Gas Riser	132.55	
33 52 16 13-0076	EA	1-1/4" Anodeless Gas Riser	155.90	
33 52 16 13-0077	EA	1-1/2" Anodeless Gas Riser	195.82	
33 52 16 13-0078	EA	2" Anodeless Gas Riser	225.29	
33 52 16 13-0079		**Brass Service Adapter** *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	75.94	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	83.56	
33 52 16 13-0082	EA	1" Brass Service Adapter	100.14	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	120.44	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	143.52	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0085	EA	2" Brass Service Adapter	171.35	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	313.74	
33 52 16 13-0087	EA	3" Brass Service Adapter	383.35	
33 52 16 13-0088	EA	4" Brass Service Adapter	552.90	

33 52 16 23 Medium Density Polyethylene Piping for Natural Gas *(33 52 16)*

33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)*

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.65	1.98
		For Colors, Add	*0.07*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.21	2.13
		For SDR 13.5, Deduct	*-0.15*	
		For Colors, Add	*0.10*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.77	2.27
		For SDR 13.5, Deduct	*-0.18*	
		For Colors, Add	*0.12*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.34	2.41
		For SDR 13.5, Deduct	*-0.22*	
		For Colors, Add	*0.14*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.38	2.91
		For SDR 13.5, Deduct	*-0.31*	
		For Colors, Add	*0.20*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	8.42	3.16
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For Colors, Add	*0.26*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.89	3.70
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.24*	
		For Colors, Add	*0.43*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	13.45	4.40
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.69*	
		For Colors, Add	*0.59*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	22.07	5.07
		For SDR 13.5, Deduct	*-1.70*	
		For SDR 15.5, Deduct	*-3.13*	
		For Colors, Add	*1.10*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	28.21	5.07
		For SDR 13.5, Deduct	*-2.36*	
		For SDR 15.5, Deduct	*-4.34*	
		For Colors, Add	*1.52*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	34.47	5.07
		For SDR 13.5, Deduct	*-3.02*	
		For SDR 15.5, Deduct	*-5.55*	
		For Colors, Add	*1.95*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	51.90	6.33
		For SDR 13.5, Deduct	*-5.02*	
		For SDR 15.5, Deduct	*-9.24*	
		For Colors, Add	*3.24*	

33 52 16 26 High-Density Polyethylene (HDPE) Piping for Natural Gas *(33 52 16)*

33 52 16 26-0001 High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)*

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.75	1.98
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.34	2.13
		For SDR 13.5, Deduct	*-0.16*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.91	2.27
		For SDR 13.5, Deduct	*-0.20*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.52	2.41
		For SDR 13.5, Deduct	*-0.24*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.63	2.91
		For SDR 13.5, Deduct	*-0.34*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.75	3.16
		For SDR 13.5, Deduct	*-0.45*	
		For SDR 15.5, Deduct	*-0.82*	
		For SDR 17, Deduct	*-1.19*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	11.44	3.70
		For SDR 13.5, Deduct	*-0.74*	
		For SDR 15.5, Deduct	*-1.36*	
		For SDR 17, Deduct	*-1.98*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	14.19	4.40
		For SDR 13.5, Deduct	*-1.01*	
		For SDR 15.5, Deduct	*-1.86*	
		For SDR 17, Deduct	*-2.70*	
		For SDR 21, Deduct	*-3.70*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	23.45	5.07
		For SDR 13.5, Deduct	*-1.87*	
		For SDR 15.5, Deduct	*-3.44*	
		For SDR 17, Deduct	*-4.99*	
		For SDR 21, Deduct	*-6.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	36.90	5.07
		For SDR 13.5, Deduct	*-3.32*	
		For SDR 15.5, Deduct	*-6.10*	
		For SDR 17, Deduct	*-8.86*	
		For SDR 21, Deduct	*-12.13*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	55.96	6.33
		For SDR 13.5, Deduct	*-5.53*	
		For SDR 15.5, Deduct	*-10.16*	
		For SDR 17, Deduct	*-14.75*	
		For SDR 21, Deduct	*-20.19*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	263.76	20.79
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	268.48	20.79
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	279.81	24.69
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	948.03	28.58
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	1,007.71	44.27
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,833.30	99.31
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,938.19	131.61

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	640.64	81.36
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,265.55	124.43
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,492.17	124.43
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,284.74	155.53
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,711.99	191.43
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,904.03	155.53
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,454.54	191.43
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	7,210.06	203.40
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	10,210.80	239.29
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	15,590.53	394.83
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	12,506.05	418.58
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	13,438.50	486.10
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	20,799.83	519.67
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	40,457.30	632.64
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	66,677.94	790.79

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 Glass Lined Steel Piping *(33 61 13)*

33 61 13 00-0002 Glass Lined Steel Pipe *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0003	EA	4" X 1' Glass Lined Steel Pipe	1,673.09	
33 61 13 00-0004	EA	4" X 2' Glass Lined Steel Pipe	1,847.30	
33 61 13 00-0005	EA	4" X 3' Glass Lined Steel Pipe	1,847.30	
33 61 13 00-0006	EA	4" X 4' Glass Lined Steel Pipe	2,195.72	
33 61 13 00-0007	EA	4" X 5' Glass Lined Steel Pipe	3,121.23	
33 61 13 00-0008	EA	4" X 10' Glass Lined Steel Pipe	3,614.84	
33 61 13 00-0009	EA	6" X 1' Glass Lined Steel Pipe	1,400.88	
33 61 13 00-0010	EA	6" X 2' Glass Lined Steel Pipe	3,034.13	
33 61 13 00-0011	EA	6" X 3' Glass Lined Steel Pipe	3,034.13	
33 61 13 00-0012	EA	6" X 4' Glass Lined Steel Pipe	3,436.99	
33 61 13 00-0013	EA	6" X 5' Glass Lined Steel Pipe	5,545.70	
33 61 13 00-0014	EA	6" X 10' Glass Lined Steel Pipe	6,418.20	
33 61 13 00-0015	EA	8" X 1' Glass Lined Steel Pipe	3,461.30	
33 61 13 00-0016	EA	8" X 2' Glass Lined Steel Pipe	4,169.04	
33 61 13 00-0017	EA	8" X 3' Glass Lined Steel Pipe	4,169.04	
33 61 13 00-0018	EA	8" X 4' Glass Lined Steel Pipe	4,794.57	
33 61 13 00-0019	EA	8" X 5' Glass Lined Steel Pipe	6,494.42	
33 61 13 00-0020	EA	8" X 10' Glass Lined Steel Pipe	7,381.28	
33 61 13 00-0021	EA	12" X 1' Glass Lined Steel Pipe	9,392.56	
33 61 13 00-0022	EA	12" X 2' Glass Lined Steel Pipe	9,392.56	
33 61 13 00-0023	EA	12" X 3' Glass Lined Steel Pipe	9,733.72	
33 61 13 00-0024	EA	12" X 4' Glass Lined Steel Pipe	10,380.96	
33 61 13 00-0025	EA	12" X 5' Glass Lined Steel Pipe	11,648.82	
33 61 13 00-0026	EA	12" X 10' Glass Lined Steel Pipe	14,390.25	
33 61 13 00-0027	EA	16" X 10' Glass Lined Steel Pipe	19,601.96	

33 61 13 00-0028 90 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0029	EA	4" 90 Degree Elbow, Glass Lined Steel Fittings	2,006.68	
33 61 13 00-0030	EA	6" 90 Degree Elbow, Glass Lined Steel Fittings	3,281.85	
33 61 13 00-0031	EA	8" 90 Degree Elbow, Glass Lined Steel Fittings	6,051.60	
33 61 13 00-0032	EA	10" 90 Degree Elbow, Glass Lined Steel Fittings	10,744.08	
33 61 13 00-0033	EA	12" 90 Degree Elbow, Glass Lined Steel Fittings	15,902.75	
33 61 13 00-0034	EA	14" 90 Degree Elbow, Glass Lined Steel Fittings	18,680.97	
33 61 13 00-0035	EA	16" 90 Degree Elbow, Glass Lined Steel Fittings	21,458.79	

33 61 13 00-0036 45 Degree Elbow, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0037	EA	4" 45 Degree Elbow, Glass Lined Steel Fittings	1,966.76	
33 61 13 00-0038	EA	6" 45 Degree Elbow, Glass Lined Steel Fittings	3,281.85	
33 61 13 00-0039	EA	8" 45 Degree Elbow, Glass Lined Steel Fittings	6,327.43	
33 61 13 00-0040	EA	10" 45 Degree Elbow, Glass Lined Steel Fittings	17,843.26	
33 61 13 00-0041	EA	12" 45 Degree Elbow, Glass Lined Steel Fittings	15,902.75	
33 61 13 00-0042	EA	14" 45 Degree Elbow, Glass Lined Steel Fittings	18,680.97	
33 61 13 00-0043	EA	16" 45 Degree Elbow, Glass Lined Steel Fittings	21,458.79	

33 61 13 00-0044 Tee, Glass Lined Steel Fittings *(33 61 13 00-0001)*
Note: 150 PSIG

33 61 13 00-0045	EA	4" Tee, Glass Lined Steel Fittings	3,119.22	
33 61 13 00-0046	EA	6" Tee, Glass Lined Steel Fittings	5,357.77	
33 61 13 00-0047	EA	8" Tee, Glass Lined Steel Fittings	7,935.77	
33 61 13 00-0048	EA	10" Tee, Glass Lined Steel Fittings	13,690.29	
33 61 13 00-0049	EA	12" Tee, Glass Lined Steel Fittings	19,487.99	
33 61 13 00-0050	EA	14" Tee, Glass Lined Steel Fittings	22,964.74	
33 61 13 00-0051	EA	16" Tee, Glass Lined Steel Fittings	26,381.84	

33 61 13 00-0052 Prefabricated/Preinsulated Pipe *(33 61 13)*
Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.

33 61 13 00-0053 Preinsulated Schedule 40 Black Steel Pipe *(33 61 13 00-0052)*
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0054 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*
Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0055	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	204.37	21.54
		For Schedule 80 Pipe, Add	*35.13*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0056	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	224.16	23.25
		For Schedule 80 Pipe, Add	*38.63*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
33 61 13 00-0057	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	250.49	24.68
		For Schedule 80 Pipe, Add	*43.52*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.35*	
33 61 13 00-0058	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	268.27	26.06
		For Schedule 80 Pipe, Add	*46.70*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.67*	
33 61 13 00-0059	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.01	27.67
		For Schedule 80 Pipe, Add	*48.82*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0060	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	310.97	34.21
		For Schedule 80 Pipe, Add	*53.07*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.31*	
33 61 13 00-0061	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.24	41.75
		For Schedule 80 Pipe, Add	*57.32*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
33 61 13 00-0062	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	431.76	53.17
		For Schedule 80 Pipe, Add	*72.17*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0063	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	548.53	65.12
		For Schedule 80 Pipe, Add	*92.34*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.23*	
33 61 13 00-0064	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	637.73	76.29
		For Schedule 80 Pipe, Add	*107.20*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.72*	
33 61 13 00-0065	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	903.04	92.19
		For Schedule 80 Pipe, Add	*156.03*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.60*	
33 61 13 00-0066	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,175.81	109.70
		For Schedule 80 Pipe, Add	*205.91*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.59*	
33 61 13 00-0067	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,464.29	135.00
		For Schedule 80 Pipe, Add	*256.86*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.69*	

33 61 13 00-0068 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0069	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	221.94	21.54
		For Schedule 80 Pipe, Add	*38.65*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.86*	
33 61 13 00-0070	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	243.48	23.25
		For Schedule 80 Pipe, Add	*42.50*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.25*	
33 61 13 00-0071	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	272.25	24.68
		For Schedule 80 Pipe, Add	*47.87*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.79*	
33 61 13 00-0072	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	291.62	26.06
		For Schedule 80 Pipe, Add	*51.37*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.14*	
33 61 13 00-0073	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.42	27.67
		For Schedule 80 Pipe, Add	*53.71*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0074	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	337.50	34.21
		For Schedule 80 Pipe, Add	*58.38*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.84*	
33 61 13 00-0075	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.90	41.75
		For Schedule 80 Pipe, Add	*63.05*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.30*	
33 61 13 00-0076	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	467.85	53.17
		For Schedule 80 Pipe, Add	*79.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0077	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	594.70	65.12
		For Schedule 80 Pipe, Add	*101.58*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.16*	
33 61 13 00-0078	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	691.33	76.29
		For Schedule 80 Pipe, Add	*117.92*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.79*	
33 61 13 00-0079	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	981.05	92.19
		For Schedule 80 Pipe, Add	*171.63*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.16*	
33 61 13 00-0080	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,278.77	109.70
		For Schedule 80 Pipe, Add	*226.50*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.65*	
33 61 13 00-0081	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,592.72	135.00
		For Schedule 80 Pipe, Add	*282.54*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.25*	

33 61 13 00-0082 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0083	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	230.72	21.54
		For Schedule 80 Pipe, Add	*40.40*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
33 61 13 00-0084	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	253.14	23.25
		For Schedule 80 Pipe, Add	*44.43*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
33 61 13 00-0085	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	283.12	24.68
		For Schedule 80 Pipe, Add	*50.04*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0086	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	303.29	26.06
		For Schedule 80 Pipe, Add	*53.71*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0087	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	317.63	27.67
		For Schedule 80 Pipe, Add	*56.15*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0088	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	350.77	34.21
		For Schedule 80 Pipe, Add	*61.03*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
33 61 13 00-0089	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	385.22	41.75
		For Schedule 80 Pipe, Add	*65.91*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
33 61 13 00-0090	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	485.90	53.17
		For Schedule 80 Pipe, Add	*83.00*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
33 61 13 00-0091	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	617.78	65.12
		For Schedule 80 Pipe, Add	*106.19*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.62*	
33 61 13 00-0092	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	718.13	76.29
		For Schedule 80 Pipe, Add	*123.28*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.33*	
33 61 13 00-0093	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,020.06	92.19
		For Schedule 80 Pipe, Add	*179.43*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.94*	
33 61 13 00-0094	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,330.25	109.70
		For Schedule 80 Pipe, Add	*236.80*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.68*	
33 61 13 00-0095	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,656.93	135.00
		For Schedule 80 Pipe, Add	*295.39*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.54*	

33 61 13 00-0096 Standard Black Steel Carrier Pipe *(33 61 13 00-0053)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0097	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	243.90	21.54
		For Schedule 80 Pipe, Add	*43.04*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0098	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	267.63	23.25
		For Schedule 80 Pipe, Add	*47.33*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.73*	
33 61 13 00-0099	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.44	24.68
		For Schedule 80 Pipe, Add	*53.31*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.33*	
33 61 13 00-0100	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.81	26.06
		For Schedule 80 Pipe, Add	*57.21*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.72*	
33 61 13 00-0101	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	335.94	27.67
		For Schedule 80 Pipe, Add	*59.81*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0102	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.67	34.21
		For Schedule 80 Pipe, Add	*65.01*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.50*	
33 61 13 00-0103	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	406.72	41.75
		For Schedule 80 Pipe, Add	*70.21*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.02*	
33 61 13 00-0104	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	512.96	53.17
		For Schedule 80 Pipe, Add	*88.41*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.84*	
33 61 13 00-0105	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	652.41	65.12
		For Schedule 80 Pipe, Add	*113.12*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.31*	
33 61 13 00-0106	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	758.33	76.29
		For Schedule 80 Pipe, Add	*131.32*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.13*	
33 61 13 00-0107	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,078.57	92.19
		For Schedule 80 Pipe, Add	*191.13*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.11*	
33 61 13 00-0108	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,407.46	109.70
		For Schedule 80 Pipe, Add	*252.24*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.22*	
33 61 13 00-0109	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,753.25	135.00
		For Schedule 80 Pipe, Add	*314.65*	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.47*	

33 61 13 00-0110 Preinsulated Black Steel Fittings *(33 61 13 00-0052)*

Note: No excavation or backfill.

33 61 13 00-0111 Elbows *(33 61 13 00-0110)*

33 61 13 00-0112 Elbows *(33 61 13 00-0111)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0113	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,469.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.76*	
33 61 13 00-0114	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,511.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.39*	
33 61 13 00-0115	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,725.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.17*	
33 61 13 00-0116	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,904.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.00*	
33 61 13 00-0117	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,077.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.42*	
33 61 13 00-0118	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,290.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.84*	
33 61 13 00-0119	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,650.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.50*	
33 61 13 00-0120	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,092.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.59*	
33 61 13 00-0121	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,844.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0122	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,309.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.41*	
33 61 13 00-0123	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,154.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.68*	
33 61 13 00-0124	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,072.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*133.81*	
33 61 13 00-0125	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,514.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*177.10*	

33 61 13 00-0126 Elbows *(33 61 13 00-0111)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0127	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,569.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.77*	
33 61 13 00-0128	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,613.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.45*	
33 61 13 00-0129	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,842.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.51*	
33 61 13 00-0130	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,032.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.55*	
33 61 13 00-0131	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,210.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.08*	
33 61 13 00-0132	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,428.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.60*	
33 61 13 00-0133	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,809.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.69*	
33 61 13 00-0134	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,278.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.31*	
33 61 13 00-0135	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,083.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.54*	
33 61 13 00-0136	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,581.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*77.84*	
33 61 13 00-0137	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,546.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.54*	
33 61 13 00-0138	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,574.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*143.84*	
33 61 13 00-0139	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,178.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*190.38*	

33 61 13 00-0140 Elbows *(33 61 13 00-0111)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0141	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,670.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.78*	
33 61 13 00-0142	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,716.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.50*	
33 61 13 00-0143	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,959.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.84*	
33 61 13 00-0144	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,159.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.10*	
33 61 13 00-0145	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,343.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.73*	
33 61 13 00-0146	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,566.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.36*	
33 61 13 00-0147	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,969.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.88*	
33 61 13 00-0148	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,464.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*57.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0149	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,322.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.32*	
33 61 13 00-0150	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,852.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.28*	
33 61 13 00-0151	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,939.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.39*	
33 61 13 00-0152	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,076.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.88*	
33 61 13 00-0153	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,842.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*203.66*	

33 61 13 00-0154 Elbows *(33 61 13 00-0111)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0155	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,770.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.78*	
33 61 13 00-0156	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,819.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.55*	
33 61 13 00-0157	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,076.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.18*	
33 61 13 00-0158	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,287.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.65*	
33 61 13 00-0159	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,476.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.39*	
33 61 13 00-0160	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,704.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.12*	
33 61 13 00-0161	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,128.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.07*	
33 61 13 00-0162	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,650.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.74*	
33 61 13 00-0163	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,561.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.10*	
33 61 13 00-0164	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,124.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*88.71*	
33 61 13 00-0165	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,331.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*128.24*	
33 61 13 00-0166	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,577.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*163.91*	
33 61 13 00-0167	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,506.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*216.95*	

33 61 13 00-0168 Tees *(33 61 13 00-0110)*

33 61 13 00-0169 Tees *(33 61 13 00-0168)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0170	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,184.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.74*	
33 61 13 00-0171	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,245.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.68*	
33 61 13 00-0172	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,565.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.29*	
33 61 13 00-0173	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,831.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.49*	
33 61 13 00-0174	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,089.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.60*	
33 61 13 00-0175	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,406.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.70*	
33 61 13 00-0176	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,943.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0177	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,601.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.64*	
33 61 13 00-0178	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,721.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*94.68*	
33 61 13 00-0179	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,411.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*107.53*	
33 61 13 00-0180	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,151.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*155.46*	
33 61 13 00-0181	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,010.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*198.70*	
33 61 13 00-0182	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,638.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*262.99*	

33 61 13 00-0183 Tees *(33 61 13 00-0168)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0184	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,333.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.72*	
33 61 13 00-0185	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,398.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.73*	
33 61 13 00-0186	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,738.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.76*	
33 61 13 00-0187	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,020.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.28*	
33 61 13 00-0188	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,286.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.54*	
33 61 13 00-0189	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,612.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.80*	
33 61 13 00-0190	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,180.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.85*	
33 61 13 00-0191	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,878.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.16*	
33 61 13 00-0192	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,077.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*101.78*	
33 61 13 00-0193	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,814.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*115.60*	
33 61 13 00-0194	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,734.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.12*	
33 61 13 00-0195	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,755.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*213.61*	
33 61 13 00-0196	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,624.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*282.72*	

33 61 13 00-0197 Tees *(33 61 13 00-0168)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0198	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,482.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.70*	
33 61 13 00-0199	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,550.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.78*	
33 61 13 00-0200	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,912.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.23*	
33 61 13 00-0201	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,209.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.07*	
33 61 13 00-0202	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,483.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.49*	
33 61 13 00-0203	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,817.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0204	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,417.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.59*	
33 61 13 00-0205	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,154.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.68*	
33 61 13 00-0206	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,432.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.88*	
33 61 13 00-0207	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,217.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.66*	
33 61 13 00-0208	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,317.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.78*	
33 61 13 00-0209	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,501.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.51*	
33 61 13 00-0210	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,610.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.44*	

33 61 13 00-0211 Tees *(33 61 13 00-0168)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0212	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,631.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.68*	
33 61 13 00-0213	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,703.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.83*	
33 61 13 00-0214	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,085.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.70*	
33 61 13 00-0215	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,399.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*61.86*	
33 61 13 00-0216	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,681.07	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.43*	
33 61 13 00-0217	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,022.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.01*	
33 61 13 00-0218	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,653.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*77.32*	
33 61 13 00-0219	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,430.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*90.21*	
33 61 13 00-0220	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,787.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*115.98*	
33 61 13 00-0221	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,621.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*131.73*	
33 61 13 00-0222	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,900.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*190.44*	
33 61 13 00-0223	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,246.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*243.41*	
33 61 13 00-0224	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	18,597.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*322.16*	

33 61 13 00-0225 Reducers *(33 61 13 00-0110)*

33 61 13 00-0226 Reducers *(33 61 13 00-0225)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0227	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,228.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.21*	
33 61 13 00-0228	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,264.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.73*	
33 61 13 00-0229	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,444.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.87*	
33 61 13 00-0230	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,595.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.22*	
33 61 13 00-0231	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,745.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0232	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,942.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.57*	
33 61 13 00-0233	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,240.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.28*	
33 61 13 00-0234	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,609.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.16*	
33 61 13 00-0235	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,236.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*52.92*	
33 61 13 00-0236	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,625.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.10*	
33 61 13 00-0237	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,172.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*86.89*	
33 61 13 00-0238	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,797.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*111.06*	
33 61 13 00-0239	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,840.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*146.99*	

33 61 13 00-0240 Reducers *(33 61 13 00-0225)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0241	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,312.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.88*	
33 61 13 00-0242	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,349.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.44*	
33 61 13 00-0243	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,541.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.81*	
33 61 13 00-0244	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,700.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.34*	
33 61 13 00-0245	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,856.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.60*	
33 61 13 00-0246	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,057.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.87*	
33 61 13 00-0247	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,373.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.92*	
33 61 13 00-0248	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,763.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.24*	
33 61 13 00-0249	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,435.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.89*	
33 61 13 00-0250	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,851.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.61*	
33 61 13 00-0251	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,498.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*93.41*	
33 61 13 00-0252	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,213.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*119.39*	
33 61 13 00-0253	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,391.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*158.02*	

33 61 13 00-0254 Reducers *(33 61 13 00-0225)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0255	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,395.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.54*	
33 61 13 00-0256	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,434.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.15*	
33 61 13 00-0257	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,638.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.75*	
33 61 13 00-0258	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,806.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0259	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,966.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.81*	
33 61 13 00-0260	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,171.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.16*	
33 61 13 00-0261	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,505.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.57*	
33 61 13 00-0262	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,918.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.33*	
33 61 13 00-0263	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,633.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.85*	
33 61 13 00-0264	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,076.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.12*	
33 61 13 00-0265	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,824.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*99.92*	
33 61 13 00-0266	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,630.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*127.72*	
33 61 13 00-0267	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,942.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*169.04*	

33 61 13 00-0268 Reducers *(33 61 13 00-0225)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0269	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,478.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.21*	
33 61 13 00-0270	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,519.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.85*	
33 61 13 00-0271	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,735.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.69*	
33 61 13 00-0272	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,912.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.57*	
33 61 13 00-0273	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,076.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.01*	
33 61 13 00-0274	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,286.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.45*	
33 61 13 00-0275	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,637.82	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.22*	
33 61 13 00-0276	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,072.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.42*	
33 61 13 00-0277	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,832.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.82*	
33 61 13 00-0278	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,301.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.63*	
33 61 13 00-0279	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,150.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*106.44*	
33 61 13 00-0280	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,046.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*136.05*	
33 61 13 00-0281	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,494.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*180.07*	

33 61 13 00-0282 Preinsulated Type K Copper Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0283 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0284	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	50.99	19.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0285	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.48	21.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0286	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.42	22.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0287	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.28	23.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0288	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.77	25.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0289	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.35	31.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0290	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	92.29	38.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0291	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	117.04	48.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0292	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	145.73	59.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0293	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	170.15	69.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0294	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	221.73	84.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0295	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	276.20	100.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0296	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	342.01	123.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	

33 61 13 00-0297 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0298	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.13	19.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0299	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	57.83	21.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0300	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	63.08	22.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0301	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	67.13	23.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0302	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.74	25.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0303	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	82.58	31.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0304	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	95.79	38.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0305	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	121.44	48.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0306	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	151.36	59.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0307	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	176.68	69.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0308	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	231.24	84.81
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	
33 61 13 00-0309	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	288.75	100.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0310	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	357.67	123.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0311 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0312	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	54.20	19.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0313	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	59.01	21.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0314	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.40	22.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0315	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.55	23.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0316	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	72.23	25.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0317	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	84.20	31.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0318	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	97.53	38.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0319	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	123.64	48.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0320	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	154.17	59.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0321	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	179.95	69.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0322	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.99	84.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0323	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	295.03	100.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0324	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	365.50	123.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0325 Type K Copper Carrier Pipe *(33 61 13 00-0282)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0326	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.81	19.72
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0327	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.78	21.29
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0328	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.39	22.61
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0329	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	70.69	23.89
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0330	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	74.46	25.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0331	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	86.62	31.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0332	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	100.15	38.26
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0333	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	126.94	48.73
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0334	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	158.40	59.67
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0335	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	184.85	69.91
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	
33 61 13 00-0336	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	243.12	84.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0337	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	304.44	100.53
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0338	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	377.24	123.70
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0339 Preinsulated Copper Fittings *(33 61 13 00-0052)*

33 61 13 00-0340 Elbows *(33 61 13 00-0339)*

33 61 13 00-0341 Elbows *(33 61 13 00-0340)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0342	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	358.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0343	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	372.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0344	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	429.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0345	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	487.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0346	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	589.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0347	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	725.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0348	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	844.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0349	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	985.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0350	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,152.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 00-0351	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,259.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0352	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,754.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0353	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,422.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0354	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,057.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	

33 61 13 00-0355 Elbows *(33 61 13 00-0340)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0356	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	376.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0357	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	391.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0358	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	451.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	
33 61 13 00-0359	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	511.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 00-0360	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	613.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.95*	
33 61 13 00-0361	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	751.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0362	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	873.50	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0363	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,019.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	
33 61 13 00-0364	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,195.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0365	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,309.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0366	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,826.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0367	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,513.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0368	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,179.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0369		**Elbows** *(33 61 13 00-0340)*		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0370	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	394.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0371	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	410.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0372	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	472.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0373	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	534.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0374	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	638.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0375	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	776.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0376	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	902.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0377	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,053.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0378	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,239.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0379	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,359.03	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0380	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,897.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0381	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,604.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0382	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,300.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	
33 61 13 00-0383		**Elbows** *(33 61 13 00-0340)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0384	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	413.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0385	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	429.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0386	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	493.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	
33 61 13 00-0387	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	557.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0388	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	662.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0389	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	801.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0390	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	931.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	
33 61 13 00-0391	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,087.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0392	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,283.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.25*	
33 61 13 00-0393	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,408.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0394	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,969.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0395	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,696.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0396	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,421.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 61 13 00-0397 Tees *(33 61 13 00-0339)*

33 61 13 00-0398 Tees *(33 61 13 00-0397)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0399	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	533.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0400	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0401	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0402	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	726.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0403	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	879.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0404	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,083.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0405	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,260.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0406	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,471.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0407	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,722.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0408	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,880.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0409	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,616.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.36*	
33 61 13 00-0410	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,616.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0411	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,562.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0412 Tees *(33 61 13 00-0397)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0413	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	560.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0414	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	583.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 00-0415	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	671.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0416	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	761.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0417	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	915.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0418	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,120.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	
33 61 13 00-0419	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,304.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0420	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,521.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0421	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,787.47	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0422	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,953.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.09*	
33 61 13 00-0423	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,722.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0424	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,752.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0425	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,742.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.57*	

33 61 13 00-0426 Tees *(33 61 13 00-0397)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0427	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	588.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0428	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	611.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0429	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	703.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0430	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	796.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0431	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	951.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0432	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,157.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0433	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,347.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0434	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,572.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0435	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,852.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0436	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,027.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0437	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,827.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0438	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,885.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0439	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,925.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	

33 61 13 00-0440 Tees *(33 61 13 00-0397)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0441	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	615.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0442	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	638.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0443	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	735.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0444	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	830.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0445	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	987.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	
33 61 13 00-0446	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,195.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0447	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,390.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0448	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,622.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0449	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,916.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0450	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,101.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0451	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,933.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0452	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,021.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0453	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,105.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0454 Reducers *(33 61 13 00-0339)*

33 61 13 00-0455 Reducers *(33 61 13 00-0454)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0456	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	305.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0457	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	318.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0458	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	366.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0459	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	417.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0460	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	507.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0461	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	638.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0462	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	736.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0463	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	855.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0464	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	996.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0465	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,087.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0466	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,512.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0467	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,095.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0468	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,636.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0469 Reducers *(33 61 13 00-0454)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0470	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	320.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0471	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	333.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0472	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	384.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0473	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	436.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	
33 61 13 00-0474	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	528.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0475	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	659.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.00*	
33 61 13 00-0476	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	760.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0477	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	883.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0478	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,032.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0479	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,128.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0480	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,571.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0481	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,170.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0482	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,737.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0483 Reducers *(33 61 13 00-0454)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0484	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	335.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0485	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	349.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0486	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	402.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0487	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	455.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0488	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	548.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0489	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	680.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0490	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	784.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0491	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	911.39	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0492	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,068.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0493	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,170.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0494	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,630.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.23*	
33 61 13 00-0495	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,246.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.30*	
33 61 13 00-0496	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,838.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0497 Reducers *(33 61 13 00-0454)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0498	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	351.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0499	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0500	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	419.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	
33 61 13 00-0501	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	475.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0502	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	568.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0503	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	701.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0504	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	808.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0505	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	939.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0506	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,105.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0507	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,211.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0508	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,690.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0509	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,322.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.82*	
33 61 13 00-0510	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,938.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 00-0511 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0052)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0512 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0513	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	442.36	62.95
33 61 13 00-0514	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	652.80	90.40
33 61 13 00-0515	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	920.32	109.22
33 61 13 00-0516	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,195.69	129.98
33 61 13 00-0517	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,488.63	159.97

33 61 13 00-0518 Ductile Iron Carrier Pipe *(33 61 13 00-0511)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0519	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	483.08	63.00
33 61 13 00-0520	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	713.28	90.40
33 61 13 00-0521	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,008.36	109.23
33 61 13 00-0522	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,311.86	129.98
33 61 13 00-0523	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,633.55	159.98
33 61 13 00-0524	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,800.59	170.69
33 61 13 00-0525	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,057.57	182.88
33 61 13 00-0526	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,348.50	195.08
33 61 13 00-0527	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,607.27	207.27
33 61 13 00-0528	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,147.65	225.56

33 61 13 00-0529 Preinsulated Ductile Iron Fittings *(33 61 13 00-0052)*

33 61 13 00-0530 Elbows *(33 61 13 00-0529)*

33 61 13 00-0531 Elbows *(33 61 13 00-0530)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0532	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,218.47
33 61 13 00-0533	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,953.81
33 61 13 00-0534	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,530.86
33 61 13 00-0535	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,110.25
33 61 13 00-0536	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	14,534.80

33 61 13 00-0537 Elbows *(33 61 13 00-0530)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0538	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,721.51
33 61 13 00-0539	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,688.40
33 61 13 00-0540	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,592.84
33 61 13 00-0541	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,467.66
33 61 13 00-0542	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,331.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0543	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,997.10	
33 61 13 00-0544	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,916.15	
33 61 13 00-0545	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	29,935.72	
33 61 13 00-0546	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	37,773.92	
33 61 13 00-0547	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	47,809.93	

33 61 13 00-0548 Tees *(33 61 13 00-0529)*

33 61 13 00-0549 Tees *(33 61 13 00-0548)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0550	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,273.63	
33 61 13 00-0551	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,852.69	
33 61 13 00-0552	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,680.43	
33 61 13 00-0553	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,521.89	
33 61 13 00-0554	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	21,609.06	

33 61 13 00-0555 Tees *(33 61 13 00-0548)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0556	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,020.65	
33 61 13 00-0557	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,943.57	
33 61 13 00-0558	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	14,257.48	
33 61 13 00-0559	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,537.66	
33 61 13 00-0560	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	24,277.00	
33 61 13 00-0561	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	29,533.31	
33 61 13 00-0562	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	35,327.34	
33 61 13 00-0563	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	44,219.58	
33 61 13 00-0564	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	55,810.37	
33 61 13 00-0565	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	70,610.04	

33 61 13 00-0566 Reducers *(33 61 13 00-0529)*

33 61 13 00-0567 Reducers *(33 61 13 00-0566)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0568	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,544.00	
33 61 13 00-0569	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,990.13	
33 61 13 00-0570	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,145.23	
33 61 13 00-0571	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,318.84	
33 61 13 00-0572	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,177.51	

33 61 13 00-0573 Reducers *(33 61 13 00-0566)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0574	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,961.53	
33 61 13 00-0575	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,599.84	
33 61 13 00-0576	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,026.65	
33 61 13 00-0577	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,445.49	
33 61 13 00-0578	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,668.67	
33 61 13 00-0579	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	16,611.94	
33 61 13 00-0580	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,857.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0581	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	24,778.26	
33 61 13 00-0582	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	31,373.30	
33 61 13 00-0583	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	39,747.44	
33 61 13 00-0584		Tempered Water Piping Pre-Insulated *(33 61 13 00-0052)*		
33 61 13 00-0585		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0586	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	150.82	25.26
33 61 13 00-0587	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	196.18	28.59
33 61 13 00-0588	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	273.81	31.50
33 61 13 00-0589	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	377.15	39.38
33 61 13 00-0590	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	483.84	48.57
33 61 13 00-0591		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0592	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	73.77	28.59
33 61 13 00-0593	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	88.54	28.59
33 61 13 00-0594	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	102.60	28.59
33 61 13 00-0595	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	122.65	33.80
33 61 13 00-0596	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	148.45	42.90
33 61 13 00-0597		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0584)*		
33 61 13 00-0598	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	73.76	28.59
33 61 13 00-0599	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	88.54	28.59
33 61 13 00-0600	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	101.30	28.59
33 61 13 00-0601	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	122.64	33.80
33 61 13 00-0602	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	148.44	42.90

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001		Electrical Handholes And Pull Boxes *(33 71 19 13)*		
33 71 19 13-0002		Electrical Pull Boxes *(33 71 19 13-0001)*		
		See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,735.89	589.41
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,308.76	653.32
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,858.72	710.13
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	6,153.52	852.15
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,598.43	852.15
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	7,114.27	887.67
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	8,197.24	994.19
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,885.24	653.32
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,429.68	426.08
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,814.70	852.15
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,470.10	994.19
33 71 19 13-0014	EA	24" x 3', Round Electric Pull Boxes, Precast Concrete	1,575.14	248.54
33 71 19 13-0015	EA	30" x 3', Round Electric Pull Boxes, Precast Concrete	1,661.98	266.30
33 71 19 13-0016		Electrical Pull Boxes (CALTRANS) *(33 71 19 13-0001)*		
33 71 19 13-0017	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	147.64	
33 71 19 13-0018	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	59.11	
33 71 19 13-0019	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	90.75	
33 71 19 13-0020	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	192.47	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	297.94	
		For Galvanized Steel Cover, Add	*51.06*	
33 71 19 13-0022	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	74.53	
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	74.53	
33 71 19 13-0024	EA	Body, CALTRANS 5 Precast Concrete Pull Box	211.16	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	79.08	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	110.72	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	395.29	
		For Galvanized Steel Cover, Add	*93.61*	
33 71 19 13-0028	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	105.73	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	98.86	
33 71 19 13-0030	EA	Body, CALTRANS 6 Precast Concrete Pull Box	231.13	
33 71 19 13-0031	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	105.91	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	137.56	
33 71 19 13-0033	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	542.57	
		For Galvanized Steel Cover, Add	*131.05*	
33 71 19 13-0034	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	125.70	
33 71 19 13-0035	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	118.21	
33 71 19 13-0036	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	163.14	
33 71 19 13-0037	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	330.49	
33 71 19 13-0038	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	475.17	
33 71 19 13-0039	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	150.66	
33 71 19 13-0040	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	138.18	
33 71 19 13-0041	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	430.83	
33 71 19 13-0042	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	687.35	
33 71 19 13-0043	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	180.62	
33 71 19 13-0044	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	175.62	
33 71 19 13-0045	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	613.05	
33 71 19 13-0046	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	961.94	
33 71 19 13-0047	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	305.43	
33 71 19 13-0048	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	238.03	
33 71 19 13-0049		**Precast Concrete Box Extensions** *(33 71 19 13-0001)*		
33 71 19 13-0050	EA	14" x 20" x 12", Precast Concrete Extension	234.71	45.44
33 71 19 13-0051	EA	18" x 28" x 12", Precast Concrete Extension	294.91	57.55
33 71 19 13-0052	EA	24" x 36" x 12", Precast Concrete Extension	385.25	78.76
33 71 19 13-0053	EA	30" x 48" x 12", Precast Concrete Extension	477.00	109.05
33 71 19 13-0054	EA	36" x 60" x 12", Precast Concrete Extension	758.01	133.28
33 71 19 13-0055	EA	36" x 72" x 12", Precast Concrete Extension	1,010.11	151.46
33 71 19 13-0056	EA	48" x 48" x 12", Precast Concrete Extension	1,141.71	139.33
33 71 19 13-0057	EA	48" x 60" x 12", Precast Concrete Extension	1,400.00	163.57
33 71 19 13-0058		**Electrical Property Line Boxes** *(33 71 19 13)*		
33 71 19 13-0059	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,845.49	479.34
33 71 19 13-0060	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,879.04	497.09
33 71 19 13-0061	EA	6' x 4' x 5' Deep Property Line Box	7,539.46	603.61
33 71 19 13-0062	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	11,549.01	887.67
33 71 19 13-0063		**Manhole Accessories** *(33 71 19 13)*		
33 71 19 13-0064	EA	6" Precast Grade Ring Riser Casting	482.22	135.36
33 71 19 13-0065	EA	12" Precast Grade Ring Riser Casting	522.23	146.64
33 71 19 13-0066	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,206.86	225.60
33 71 19 13-0067	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,881.87	282.00
33 71 19 13-0068	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	922.58	150.59
33 71 19 13-0069	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,176.79	169.20

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank *(33 71 19 23-0001)*

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	36.15
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	72.34
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	74.99
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	150.45
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	110.51
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	222.07
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	333.45
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	210.42
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	419.79
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	644.64
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	298.72
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	599.69
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	893.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0016		**Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	7.48	
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	16.39	
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	31.49	
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.92	
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	19.78	
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	40.18	
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	13.32	
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	26.66	
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	53.36	
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	80.03	
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	16.94	
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	33.85	
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	65.62	
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	93.26	
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	29.83	
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	45.96	
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	92.12	
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	148.50	
33 71 19 23-0035		**Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	8.30	
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	18.12	
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.73	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	10.31	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	20.60	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	41.07	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	13.68	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	27.38	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	54.80	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	82.19	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	17.48	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	34.94	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	67.78	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	96.51	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	30.58	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	47.52	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	95.24	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	153.17	
33 71 19 23-0054		**Male Or Female Adapters** *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	39.57	
33 71 19 23-0056	EA	3" Adapter	58.02	
33 71 19 23-0057	EA	4" Adapter	75.33	
33 71 19 23-0058	EA	5" Adapter	118.27	
33 71 19 23-0059	EA	6" Adapter	145.61	
33 71 19 23-0060		**Underground Electrical Concrete Markers** *(33 71 19 23)*		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker	339.77	

END OF SECTION 33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 01 Operation and Maintenance of Transportation *(34)*

34 01 23 Operation and Maintenance of Railways *(34 01)*

34 01 23 33 Track Realignment *(34 01 23)*

34 01 23 33-0001 Realign Railroad Track *(34 01 23 33)*

34 01 23 33-0002	LF	Removal Of Track Rails and Ties And Re-Install Including New Bolts And Spikes	109.19
34 01 23 33-0003	EA	Removal Of Railroad Track Turnouts And Re-install Including New Bolts And Spikes	5,344.67

34 01 43 Operation and Maintenance of Bridges *(34 01)*

34 01 43 00-0001 Repair Of Bridge Posts *(34 01 43)*

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	39.18
34 01 43 00-0003	EA	Removal And Replacement Of Concrete Post, 20" x 20" Square, 36" To 42" High	2,339.23
		Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.	
34 01 43 00-0004	EA	Repair Bearing Pad	833.71

34 01 43 00-0005 Repair Of Bridge Rails *(34 01 43)*

34 01 43 00-0006	EA	Repair Concrete Rail Supports	417.33
34 01 43 00-0007	LF	Repair Guardrail	156.50
		For Up To 5, Add	*78.25*
		For >5 To 10, Add	*46.95*
		For >10 To 20, Add	*23.48*
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	260.83
		For Up To 5, Add	*130.42*
		For >5 To 10, Add	*78.25*
		For >10 To 20, Add	*39.12*
34 01 43 00-0009	LF	Repair Bridge Rail	101.80
		For Up To 5, Add	*50.90*
		For >5 To 10, Add	*30.54*
		For >10 To 20, Add	*15.27*
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	53.89
34 01 43 00-0011	LF	Removal And Replacement Of 1-1/2" Galvanized Metal Rail	63.61
34 01 43 00-0012	LF	Removal And Replacement Of 2-1/2" Galvanized Metal Rail	86.58
34 01 43 00-0013	LF	Removal And Replacement Of 3" Galvanized Metal Rail	98.97

34 01 43 00-0014 Repair Of Bridge *(34 01 43)*

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	24.06
		For Up To 20, Add	*7.95*
		For >20 To 40, Add	*3.97*
		For 41 LF To 60 LF, Add	*1.99*

34 01 43 00-0016 Repair Of Bridge Parapet *(34 01 43)*

34 01 43 00-0017	DAY	Minimum for Stone Bridge Parapet Repair	2,889.31
		Note: Includes removing and resetting of extisting stone, new stone, including Capstone. Wet or Dry Mortar. Includes chipping, sandblasting and Jackhammer.	
34 01 43 00-0018	CF	Stone Bridge Parapet Repair Removing And Resetting Existing Stone And Capstone	398.09
		Note: Includes removing loose stones and mortar, chipping, sandblasting Jackhammer.	
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0019	CF	Stone Bridge Parapet Repair Using New Stone And Masonry	482.89
		Note: Includes removing loose stones and mortar, chipping, sandblasting Jackhammer.	
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0020	SF	Removing and Resetting Existing 24" Capstones	128.42
		Note: Includes chipping, jackhammering, sandblasting, cleaning.	
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0021	SF	Removing and Resetting Existing 30" Capstones	160.52
		Note: Includes chipping, jackhammering, sandblasting, cleaning.	
		For Mortar, Add Per CF	*50.00*
34 01 43 00-0022	SF	Removing and Resetting Existing 36" Capstones	192.62
		Note: Includes chipping, jackhammering, sandblasting, cleaning.	
		For Mortar, Add Per CF	*50.00*

34 05 Common Work Results for Transportation *(34)*

34 05 43 Common Work Results for Bridges *(34 05)*

34 05 43 00-0001 Mobilize Bridge Crew *(34 05 43)*

Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew	1,467.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0003		**Remove And Patch Bridge And Structures Concrete** *(34 05 43)* Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork, cement/concrete as listed, finish and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.		
34 05 43 00-0004		**Remove And Patch Decks Or Floors** *(34 05 43 00-0003)* Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0005	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material	2,577.30	
34 05 43 00-0006	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material	109.31	
34 05 43 00-0007	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	2,659.31	
34 05 43 00-0008	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	114.44	
34 05 43 00-0009	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,641.17	
34 05 43 00-0010	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	113.30	
34 05 43 00-0011	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	4,031.24	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0012	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	200.18	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0013		**Remove And Patch Verticals Or Overheads** *(34 05 43 00-0003)* Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0014	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	3,037.43	
34 05 43 00-0015	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	132.32	
34 05 43 00-0016	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	3,119.44	
34 05 43 00-0017	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	137.45	
34 05 43 00-0018	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	3,101.30	
34 05 43 00-0019	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	136.31	
34 05 43 00-0020	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	4,491.37	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0021	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	223.19	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0022		**Remove And Patch Pier Caps And Pedestals** *(34 05 43 00-0003)* Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	3,497.55	
34 05 43 00-0024	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	149.58	
34 05 43 00-0025	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	3,579.56	
34 05 43 00-0026	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	154.71	
34 05 43 00-0027	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	3,561.42	
34 05 43 00-0028	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	153.57	
34 05 43 00-0029	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	4,951.49	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0030	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	240.45	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0031		**Remove And Patch Circular Piers** *(34 05 43 00-0003)* Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	4,187.73	
34 05 43 00-0033	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	166.83	
34 05 43 00-0034	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	4,269.74	
34 05 43 00-0035	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	171.96	
34 05 43 00-0036	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	4,251.60	
34 05 43 00-0037	SF	Remove And Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	191.13	
34 05 43 00-0038	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	5,641.67	
		For Owner Furnished Material, Deduct	*-1,703.78*	
34 05 43 00-0039	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	257.70	
		For Owner Furnished Material, Deduct	*-106.47*	
34 05 43 00-0040		**Fiber Reinforced Shotcrete Repair For Bridges** *(34 05 43)*		
34 05 43 00-0041	EA	Mobilize Fiber Reinforced Shotcrete Repair Crew	939.92	
34 05 43 00-0042	SF	Up to 2" Thick, Fiber Reinforced Shotcrete Repair	58.00	
		For Up To 25, Add	*28.20*	
		For >25 To 50, Add	*14.10*	
		For >50 To 150, Add	*5.64*	
34 05 43 00-0043	SF	>2" To 4" Thick, Fiber Reinforced Shotcrete Repair	69.00	
		For Up To 25, Add	*32.90*	
		For >25 To 50, Add	*16.45*	
		For >50 To 150, Add	*6.58*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0044	SF	>4" To 6" Thick, Fiber Reinforced Shotcrete Repair	79.99	
		For Up To 25, Add	*37.60*	
		For >25 To 50, Add	*18.80*	
		For >50 To 150, Add	*7.52*	

34 05 43 00-0045 Bridge Railing *(34 05 43)*

34 05 43 00-0046 Remove And Store Bridge Railings *(34 05 43 00-0045)*

See CSI section 34 82 23 00-0007 for posts.

34 05 43 00-0047	LF	Removal And Storage Of One Rail Bridge Railing	8.21	
34 05 43 00-0048	LF	Removal And Storage Of Two Rail Bridge Railing	16.42	
34 05 43 00-0049	LF	Removal And Storage Of Three Rail Bridge Railing	24.63	
34 05 43 00-0050	LF	Removal And Storage Of Four Rail Bridge Railing	32.83	

34 05 43 00-0051 Install Stored Or Supplied Bridge Railings *(34 05 43 00-0045)*

See CSI section 34 82 23 00-0007 for posts.

34 05 43 00-0052	LF	Install Stored Or Supplied One Rail Bridge Railing	69.16	
34 05 43 00-0053	LF	Install Stored Or Supplied Two Rail Bridge Railing	138.33	
34 05 43 00-0054	LF	Install Stored Or Supplied Three Rail Bridge Railing	207.49	
34 05 43 00-0055	LF	Install Stored Or Supplied Four Rail Bridge Railing	276.66	

34 05 43 00-0056 Bridge Bearings *(34 05 43)*

Note: Excludes drilling and anchor bolts.

34 05 43 00-0057 Elastomeric Bearings *(34 05 43 00-0056)*

34 05 43 00-0058	EA	Plain Elastomeric, Type EP Bearing, 716-10, All Loads	1,279.64	352.16
34 05 43 00-0059	EA	Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,925.47	704.31
		For >100K To 250K Load, Add	*95.70*	
		For >250K To 500K Load, Add	*191.41*	
		For >500K To 750K Load, Add	*287.11*	
34 05 43 00-0060	EA	Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K	4,355.69	1,056.48
		For >100K To 250K Load, Add	*290.30*	
		For >250K To 500K Load, Add	*580.61*	
		For >500K To 750K Load, Add	*870.91*	

34 05 43 00-0061 Fixed Structural Pot Bearings *(34 05 43 00-0056)*

34 05 43 00-0062	EA	100K To 250K Fixed Structural Pot Bearing	3,801.96
34 05 43 00-0063	EA	>250K To 500K Fixed Structural Pot Bearing	5,817.45
34 05 43 00-0064	EA	>500K To 750K Fixed Structural Pot Bearing	7,832.93

34 05 43 00-0065 Universal Structural Expansion Pot Bearings *(34 05 43 00-0056)*

34 05 43 00-0066	EA	100K To 250K Universal Structural Pot Bearing	4,727.95
34 05 43 00-0067	EA	>250K To 500K Universal Structural Pot Bearing	7,240.21
34 05 43 00-0068	EA	>500K To 750K Universal Structural Pot Bearing	9,756.84

34 05 43 00-0069 Guided Structural Expansion Pot Bearings *(34 05 43 00-0056)*

34 05 43 00-0070	EA	100K To 250K Guided Structural Pot Bearing	4,895.77
34 05 43 00-0071	EA	>250K To 500K Guided Structural Pot Bearing	7,491.89
34 05 43 00-0072	EA	>500K To 750K Guided Structural Pot Bearing	10,092.41

34 05 43 00-0073 Remove, Repair And Install Bridge Bearings *(34 05 43 00-0056)*

34 05 43 00-0074 Remove Structural Bearings *(34 05 43 00-0073)*

34 05 43 00-0075	EA	100K To 250K Structural Bearing Removal	506.23
34 05 43 00-0076	EA	>250K To 500K Structural Bearing Removal	1,012.46
34 05 43 00-0077	EA	>500K To 750K Structural Bearing Removal	1,518.68

34 05 43 00-0078 Install And Set Supplied Or Restored Structural Bearings *(34 05 43 00-0073)*

34 05 43 00-0079	EA	100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	759.35
34 05 43 00-0080	EA	>250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,518.68
34 05 43 00-0081	EA	>500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	2,278.03

34 05 43 00-0082 Power Wash And Paint Structural Bearings *(34 05 43 00-0073)*

Note: Includes bearing plates.

34 05 43 00-0083	EA	100K To 250K Structural Bearing - Power Wash And Paint	1,184.32
34 05 43 00-0084	EA	>250K To 500K Structural Bearing - Power Wash And Paint	1,337.81
34 05 43 00-0085	EA	>500K To 750K Structural Bearing - Power Wash And Paint	1,491.28

34 05 43 00-0086 Power Wash, Mechanically Clean And Paint Structural Bearings *(34 05 43 00-0073)*

Note: Includes bearing plates. Excludes paint removal.

34 05 43 00-0087	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,575.65	
		For Vacuum Contained Cleaning, Add	*391.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0088	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,778.00	
		For Vacuum Contained Cleaning, Add	*440.20*	
34 05 43 00-0089	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,979.90	
		For Vacuum Contained Cleaning, Add	*488.99*	
34 05 43 00-0090		**Power Wash And Paint Only Bearing Plates** *(34 05 43 00-0073)*		
34 05 43 00-0091	EA	100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates	738.89	
34 05 43 00-0092	EA	>250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates	888.99	
34 05 43 00-0093	EA	>500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates	1,039.10	
34 05 43 00-0094		**Power Wash, Mechanically Clean And Paint Only Bearing Plates** *(34 05 43 00-0073)*		
34 05 43 00-0095	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	985.36	
		For Vacuum Contained Cleaning, Add	*244.57*	
34 05 43 00-0096	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,182.46	
		For Vacuum Contained Cleaning, Add	*293.47*	
34 05 43 00-0097	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,379.13	
		For Vacuum Contained Cleaning, Add	*342.26*	
34 05 43 00-0098		**Sand Blast And Paint Structural Bearings** *(34 05 43 00-0073)*		
		Note: Includes bearing plates.		
34 05 43 00-0099	EA	100K To 250K Structural Bearing - Sand Blast And Paint	1,888.64	
		For Vacuum Contained Cleaning, Add	*469.55*	
34 05 43 00-0100	EA	>250K To 500K Structural Bearing - Sand Blast And Paint	2,130.16	
		For Vacuum Contained Cleaning, Add	*528.24*	
34 05 43 00-0101	EA	>500K To 750K Structural Bearing - Sand Blast And Paint	2,371.68	
		For Vacuum Contained Cleaning, Add	*586.93*	
34 05 43 00-0102		**Sand Blast And Paint Only Bearing Plates** *(34 05 43 00-0073)*		
34 05 43 00-0103	EA	100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,180.95	
		For Vacuum Contained Cleaning, Add	*293.47*	
34 05 43 00-0104	EA	>250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,417.24	
		For Vacuum Contained Cleaning, Add	*352.16*	
34 05 43 00-0105	EA	>500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,653.51	
		For Vacuum Contained Cleaning, Add	*410.85*	
34 05 43 00-0106		**Grease Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0107	EA	100K To 250K Structural Bearing - Grease	73.37	
34 05 43 00-0108	EA	>250K To 500K Structural Bearing - Grease	110.05	
34 05 43 00-0109	EA	>500K To 750K Structural Bearing - Grease	146.73	
34 05 43 00-0110		**Replace Bronze Plate Wearing Pad** *(34 05 43 00-0073)*		
34 05 43 00-0111	SF	Removal And Replacement Of Bronze Plate Wearing Pad	492.60	
34 05 43 00-0112		**Bridge Bearing Rivet Removal** *(34 05 43 00-0073)*		
		See CSI section 02 41 19 13-0080 for reaming of hole, 34 05 43 00-0327 for anchors and grouting.		
34 05 43 00-0113	EA	Bridge Bearing Rivet Removal	293.47	
34 05 43 00-0114		**Bridge Pintels, Side Keeper, And Shim Plates** *(34 05 43)*		
34 05 43 00-0115	EA	Removal And Replacement Of Bridge Pintel	295.17	
34 05 43 00-0116	EA	Removal And Replacement Of Bridge Side Keeper	301.53	
34 05 43 00-0117	EA	Refabricate And Install Shim Plates At One Bearing	182.61	
34 05 43 00-0118	EA	Refabricate And Install Beveled Shim Plates At One Bearing	182.61	
34 05 43 00-0119	EA	Refabricate And Install Finger Shim Plates At One Bearing	182.61	
34 05 43 00-0120		**Vertical Jacking And Lifting For Bridges** *(34 05 43)*		
		Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 05 12 23 00-0002 for temporary steel members.		
34 05 43 00-0121		**Mobilize Jacking Crew And Equipment** *(34 05 43 00-0120)*		
		Note: Includes removing equipment after completion.		
34 05 43 00-0122	EA	Mobilize Bridge Jacking Crew and Equipment	2,641.20	
		For Temporary Support Mobilization, Add	*5,282.40*	
34 05 43 00-0123		**Vertical Jacking And Lifting Per Point of Contact** *(34 05 43 00-0120)*		
		Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0124	EA	Up To 10 Ton Jack, Per Point Of Contact	440.20	
		For Synchronized Lift, Add	*88.04*	
		For Jacking From Temporary Support, Add	*176.08*	
34 05 43 00-0125	EA	>10 To 20 Ton Jack, Per Point Of Contact	513.57	
		For Synchronized Lift, Add	*102.71*	
		For Jacking From Temporary Support, Add	*205.43*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0126	EA	>20 To 40 Ton Jack, Per Point Of Contact	586.93	
		For Synchronized Lift, Add	*117.39*	
		For Jacking From Temporary Support, Add	*234.77*	
34 05 43 00-0127	EA	>40 To 60 Ton Jack, Per Point Of Contact	660.29	
		For Synchronized Lift, Add	*132.06*	
		For Jacking From Temporary Support, Add	*264.12*	
34 05 43 00-0128	EA	>60 To 80 Ton Jack, Per Point Of Contact	733.66	
		For Synchronized Lift, Add	*146.73*	
		For Jacking From Temporary Support, Add	*293.46*	
34 05 43 00-0129	EA	>80 To 100 Ton Jack, Per Point Of Contact	807.03	
		For Synchronized Lift, Add	*161.41*	
		For Jacking From Temporary Support, Add	*322.81*	
34 05 43 00-0130	EA	>100 To 120 Ton Jack, Per Point Of Contact	880.39	
		For Synchronized Lift, Add	*176.08*	
		For Jacking From Temporary Support, Add	*352.16*	
34 05 43 00-0131	EA	>120 To 140 Ton Jack, Per Point Of Contact	917.08	
		For Synchronized Lift, Add	*183.42*	
		For Jacking From Temporary Support, Add	*366.83*	
34 05 43 00-0132	EA	>140 To 160 Ton Jack, Per Point Of Contact	953.76	
		For Synchronized Lift, Add	*190.75*	
		For Jacking From Temporary Support, Add	*381.50*	
34 05 43 00-0133	EA	>160 To 250 Ton Jack, Per Point Of Contact	953.76	
		For Synchronized Lift, Add	*190.75*	
		For Jacking From Temporary Support, Add	*381.50*	
34 05 43 00-0134	EA	>250 To 300 Ton Jack, Per Point Of Contact	1,027.13	
		For Synchronized Lift, Add	*205.43*	
		For Jacking From Temporary Support, Add	*410.85*	
34 05 43 00-0135	EA	>300 To 400 Ton Jack, Per Point Of Contact	1,100.50	
		For Synchronized Lift, Add	*220.10*	
		For Jacking From Temporary Support, Add	*440.20*	
34 05 43 00-0136	EA	>400 To 500 Ton Jack, Per Point Of Contact	1,173.86	
		For Synchronized Lift, Add	*234.77*	
		For Jacking From Temporary Support, Add	*469.54*	
34 05 43 00-0137	EA	>500 To 600 Ton Jack, Per Point Of Contact	1,247.23	
		For Synchronized Lift, Add	*249.45*	
		For Jacking From Temporary Support, Add	*498.89*	

34 05 43 00-0138 Daily Charge For Vertical Jacking Equipment *(34 05 43 00-0120)*

Note: Includes hydraulics and synchronizing equipment.

34 05 43 00-0139	DAY	Up To 10 Ton Jacking Equipment Charge By The Day	22.31
34 05 43 00-0140	DAY	>10 To 20 Ton Jacking Equipment Charge By The Day	44.62
34 05 43 00-0141	DAY	>20 To 40 Ton Jacking Equipment Charge By The Day	89.24
34 05 43 00-0142	DAY	>40 To 60 Ton Jacking Equipment Charge By The Day	133.87
34 05 43 00-0143	DAY	>60 To 80 Ton Jacking Equipment Charge By The Day	178.49
34 05 43 00-0144	DAY	>80 To 100 Ton Jacking Equipment Charge By The Day	223.11
34 05 43 00-0145	DAY	>100 To 120 Ton Jacking Equipment Charge By The Day	267.73
34 05 43 00-0146	DAY	>120 To 140 Ton Jacking Equipment Charge By The Day	312.35
34 05 43 00-0147	DAY	>140 To 160 Ton Jacking Equipment Charge By The Day	356.97
34 05 43 00-0148	DAY	>160 To 250 Ton Jacking Equipment Charge By The Day	407.34
34 05 43 00-0149	DAY	>250 To 300 Ton Jacking Equipment Charge By The Day	464.37
34 05 43 00-0150	DAY	>300 To 400 Ton Jacking Equipment Charge By The Day	588.20
34 05 43 00-0151	DAY	>400 To 500 Ton Jacking Equipment Charge By The Day	698.48
34 05 43 00-0152	DAY	>500 To 600 Ton Jacking Equipment Charge By The Day	796.29

34 05 43 00-0153 Temporary Shoring *(34 05 43 00-0120)*

Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.

34 05 43 00-0154 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0155	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	3,074.31
34 05 43 00-0156	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,163.72
34 05 43 00-0157	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	470.67

34 05 43 00-0158 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0159	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	3,188.49
34 05 43 00-0160	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,033.53
34 05 43 00-0161	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	451.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0162		HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*		
34 05 43 00-0163	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	2,020.17	
34 05 43 00-0164	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	850.40	
34 05 43 00-0165	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	287.43	
34 05 43 00-0166		HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring *(34 05 43 00-0153)*		
34 05 43 00-0167	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	5,832.61	
34 05 43 00-0168	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	3,338.15	
34 05 43 00-0169	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	773.67	
34 05 43 00-0170		Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring *(34 05 43 00-0153)*		
		Note: Excludes mats. See CSI section 01 22 23 00-0615 for mats.		
34 05 43 00-0171	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Set-up	6,285.92	
		Note: Excludes mats.		
34 05 43 00-0172	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation	2,337.36	
		Note: Excludes mats.		
34 05 43 00-0173	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal	1,180.87	
		Note: Excludes mats.		
34 05 43 00-0174		Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring *(34 05 43 00-0153)*		
		Note: Excludes mats. See CSI section 01 22 23 00-0615 for mats.		
34 05 43 00-0175	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Set-up	2,607.13	
34 05 43 00-0176	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	715.29	
		Note: Excludes mats.		
34 05 43 00-0177	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	404.80	
		Note: Excludes mats.		
34 05 43 00-0178		MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring *(34 05 43 00-0153)*		
34 05 43 00-0179	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Set-up	2,861.64	
34 05 43 00-0180	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation	2,608.46	
34 05 43 00-0181	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal	395.22	
34 05 43 00-0182		MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring *(34 05 43 00-0153)*		
34 05 43 00-0183	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Set-up	2,129.94	
34 05 43 00-0184	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Relocation	1,922.08	
34 05 43 00-0185	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal	325.76	
34 05 43 00-0186		Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring *(34 05 43 00-0153)*		
34 05 43 00-0187	EA	Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Set-up	1,523.54	
		Note: Left in place.		
34 05 43 00-0188		Temporary Bridge Shoring Components *(34 05 43 00-0153)*		
		Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0048 for temporary lumber.		
34 05 43 00-0189		Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring *(34 05 43 00-0188)*		
		Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190	LF	Fabricate And Install MC7 x 19.1 For Temporary Bridge Shoring	100.48	
		Note: Remove after use.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0191	LF	Fabricate And Install MC18 x 51.9 For Temporary Bridge Shoring Note: Remove after use.	245.84	
34 05 43 00-0192	LF	Fabricate And Install HP12 x 53 For Temporary Bridge Shoring Note: Remove after use.	194.22	
34 05 43 00-0193	LF	Fabricate And Install HP12 x 63 For Temporary Bridge Shoring Note: Remove after use.	217.87	
34 05 43 00-0194	LF	Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	27.18	
		For Galvanized Steel, Add	*6.62*	
34 05 43 00-0195	LF	Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	34.58	
		For Galvanized Steel, Add	*9.01*	
34 05 43 00-0196	LF	Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	69.83	
		For Galvanized Steel, Add	*20.36*	
34 05 43 00-0197	LF	Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	60.54	
		For Galvanized Steel, Add	*18.24*	
34 05 43 00-0198	LF	Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	80.12	
		For Galvanized Steel, Add	*24.14*	
34 05 43 00-0199	SF	Fabricate And Install 5/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	104.15	
		For A50 Grade Steel, Add	*2.95*	
34 05 43 00-0200	SF	Fabricate And Install 7/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	145.81	
		For A50 Grade Steel, Add	*4.12*	
34 05 43 00-0201	SF	Fabricate And Install 1-3/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	229.14	
		For A50 Grade Steel, Add	*6.48*	
34 05 43 00-0202	SF	Fabricate And Install 1-1/2" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	249.97	
		For A50 Grade Steel, Add	*7.07*	

34 05 43 00-0203 Relocate Temporary Steel Bridge Shoring *(34 05 43 00-0188)*

Note: Includes removal after use.

34 05 43 00-0204	EA	Relocate Complete Temporary Steel Bridge Shoring Note: Remove after use. Includes relocating support matts. Excludes anchors, bolts or additional steel if required.	5,158.57	
34 05 43 00-0205	SF	Relocate 1-3/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	99.53	
34 05 43 00-0206	LF	Relocate HP12 x 63 For Temporary Bridge Shoring Note: Remove after use.	82.54	
34 05 43 00-0207	LF	Relocate 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	16.51	
34 05 43 00-0208	LF	Relocate 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	20.05	
34 05 43 00-0209	LF	Relocate 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	41.19	
34 05 43 00-0210	SF	Relocate 7/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	63.33	
34 05 43 00-0211	LF	Relocate MC7 x 19.1 For Temporary Bridge Shoring Note: Remove after use.	47.86	
34 05 43 00-0212	LF	Relocate HP12 x 53 For Temporary Bridge Shoring Note: Remove after use.	80.82	
34 05 43 00-0213	SF	Relocate 5/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	45.24	
34 05 43 00-0214	LF	Relocate 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	36.99	
34 05 43 00-0215	SF	Relocate 1-1/2" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	108.58	
34 05 43 00-0216	LF	Relocate MC18 x 51.9 For Temporary Bridge Shoring Note: Remove after use.	138.13	
34 05 43 00-0217	LF	Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	31.12	

34 05 43 00-0218 Pier Caps And Pedestal Replacement For Bridges *(34 05 43)*

See CSI section 03 15 19 00-0001 for anchor bolts.

34 05 43 00-0219	SF	Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas For Bridges	33.01	
34 05 43 00-0220	CWT	Rebar For Pier Cap Or Pedestals For Bridges	528.56	
34 05 43 00-0221	CY	Pour Pedestals For Bridges	430.19	
34 05 43 00-0222	CY	Demolish Concrete Pedestals For Bridges	4,820.61	
34 05 43 00-0223	CY	Pour Pier Cap For Bridges	508.76	
34 05 43 00-0224	CY	Demolish Concrete Pier Cap For Bridges	5,543.17	

34 05 43 00-0225 Bridge Deck Repair *(34 05 43)*

34 05 43 00-0226 Bridge Expansion Joint Repair *(34 05 43 00-0225)*

Note: Replace header with semi-flexible polymer nosing system. Includes saw cutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0227	CF	Removal And Replacement Of Header With Semi-Flexible Polymer Nosing System For Bridge Expansion Joint Repair	1,007.05	
		For Owner Furnished Material, Deduct	*-631.45*	
34 05 43 00-0228	CF	Removal And Replacement Of Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Expansion Joint Repair Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	239.40	
		For Up To 24, Add	*41.73*	
34 05 43 00-0229	CF	Removal And Replacement Of Header With Polyester-Based Polymer Patch For Bridge Expansion Joint Repair Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	244.50	
		For Up To 24, Add	*42.24*	
34 05 43 00-0230	CI	Seal Expansion Joints With Rapid Cure Silicone For Bridge Expansion Joint Repair	7.66	
34 05 43 00-0231	CI	Seal Expansion Joints With Closed Cell Foam/EVA For Bridge Expansion Joint Repair	0.89	
34 05 43 00-0232	LF	Seal Expansion Joints With "V" Shape Preformed Silicone For Bridge Expansion Joint Repair	100.59	
		For >1,000 To 2,500, Deduct	*-10.06*	
		For >2,500, Deduct	*-16.41*	
34 05 43 00-0233	LF	Seal Expansion Joints With "W" Shape Preformed Silicone For Bridge Expansion Joint Repair	106.60	
		For >1,000 To 2,500, Deduct	*-10.66*	
		For >2,500, Deduct	*-17.31*	

34 05 43 00-0234 Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes steel profile and neoprene seal element. Demolition includes saw cutting and disposal of existing strip seal but excludes concrete removal.

34 05 43 00-0235	LF	1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	206.09	
		For >1,000 To 2,500, Deduct	*-20.61*	
		For >2,500, Deduct	*-35.00*	
34 05 43 00-0236	LF	1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	234.16	
		For >1,000 To 2,500, Deduct	*-23.42*	
		For >2,500, Deduct	*-39.38*	
34 05 43 00-0237	LF	1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	183.87	
		For >1,000 To 2,500, Deduct	*-18.39*	
		For >2,500, Deduct	*-31.51*	
34 05 43 00-0238	LF	1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	181.57	
		For >1,000 To 2,500, Deduct	*-18.16*	
		For >2,500, Deduct	*-31.16*	

34 05 43 00-0239 Silicone Joint Sealant For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Installation includes saw cutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.

34 05 43 00-0240	LF	1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	29.93	
		For >1,000 To 2,500, Deduct	*-2.99*	
		For >2,500, Deduct	*-5.38*	
34 05 43 00-0241	LF	1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	39.00	
		For >1,000 To 2,500, Deduct	*-3.90*	
		For >2,500, Deduct	*-6.76*	
34 05 43 00-0242	LF	2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	54.81	
		For >1,000 To 2,500, Deduct	*-5.48*	
		For >2,500, Deduct	*-9.15*	
34 05 43 00-0243	LF	2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	58.67	
		For >1,000 To 2,500, Deduct	*-5.87*	
		For >2,500, Deduct	*-9.74*	

34 05 43 00-0244 V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, conditioner, epoxy, and backer rod.

34 05 43 00-0245	LF	3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	98.75	
		For >1,000 To 2,500, Deduct	*-9.88*	
		For >2,500, Deduct	*-17.46*	
34 05 43 00-0246	LF	4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	104.29	
		For >1,000 To 2,500, Deduct	*-10.43*	
		For >2,500, Deduct	*-18.42*	

34 05 43 00-0247 J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, conditioner, and epoxy.

34 05 43 00-0248	LF	2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	100.13	
		For >1,000 To 2,500, Deduct	*-10.01*	
		For >2,500, Deduct	*-17.44*	
34 05 43 00-0249	LF	2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	119.01	
		For >1,000 To 2,500, Deduct	*-11.90*	
		For >2,500, Deduct	*-20.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0250	LF	3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	147.06	
		For >1,000 To 2,500, Deduct	*-14.71*	
		For >2,500, Deduct	*-24.71*	
34 05 43 00-0251	LF	3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	178.27	
		For >1,000 To 2,500, Deduct	*-17.83*	
		For >2,500, Deduct	*-29.52*	
34 05 43 00-0252	LF	4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	199.01	
		For >1,000 To 2,500, Deduct	*-19.90*	
		For >2,500, Deduct	*-32.76*	
34 05 43 00-0253	LF	5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	366.11	
		For >1,000 To 2,500, Deduct	*-36.61*	
		For >2,500, Deduct	*-58.10*	

34 05 43 00-0254 Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, and lubricant adhesive.

34 05 43 00-0255	LF	1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	53.15	
		For >1,000 To 2,500, Deduct	*-5.32*	
		For >2,500, Deduct	*-10.17*	
34 05 43 00-0256	LF	1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	57.70	
		For >1,000 To 2,500, Deduct	*-5.77*	
		For >2,500, Deduct	*-10.96*	
34 05 43 00-0257	LF	1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	60.40	
		For >1,000 To 2,500, Deduct	*-6.04*	
		For >2,500, Deduct	*-11.42*	
34 05 43 00-0258	LF	2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	63.66	
		For >1,000 To 2,500, Deduct	*-6.37*	
		For >2,500, Deduct	*-11.97*	
34 05 43 00-0259	LF	2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	71.67	
		For >1,000 To 2,500, Deduct	*-7.17*	
		For >2,500, Deduct	*-13.28*	
34 05 43 00-0260	LF	3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	82.01	
		For >1,000 To 2,500, Deduct	*-8.20*	
		For >2,500, Deduct	*-14.95*	
34 05 43 00-0261	LF	3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	96.31	
		For >1,000 To 2,500, Deduct	*-9.63*	
		For >2,500, Deduct	*-17.22*	
34 05 43 00-0262	LF	4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	110.86	
		For >1,000 To 2,500, Deduct	*-11.09*	
		For >2,500, Deduct	*-19.54*	
34 05 43 00-0263	LF	4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	116.96	
		For >1,000 To 2,500, Deduct	*-11.70*	
		For >2,500, Deduct	*-20.59*	
34 05 43 00-0264	LF	5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	133.63	
		For >1,000 To 2,500, Deduct	*-13.36*	
		For >2,500, Deduct	*-23.23*	
34 05 43 00-0265	LF	6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	190.20	
		For >1,000 To 2,500, Deduct	*-19.02*	
		For >2,500, Deduct	*-31.87*	

34 05 43 00-0266 Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting and epoxy.

34 05 43 00-0267	LF	1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	46.34	
		For >1,000 To 2,500, Deduct	*-4.63*	
		For >2,500, Deduct	*-8.95*	
34 05 43 00-0268	LF	5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	47.65	
		For >1,000 To 2,500, Deduct	*-4.77*	
		For >2,500, Deduct	*-9.20*	
34 05 43 00-0269	LF	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	48.95	
		For >1,000 To 2,500, Deduct	*-4.90*	
		For >2,500, Deduct	*-9.44*	
34 05 43 00-0270	LF	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	50.62	
		For >1,000 To 2,500, Deduct	*-5.06*	
		For >2,500, Deduct	*-9.74*	
34 05 43 00-0271	LF	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	52.33	
		For >1,000 To 2,500, Deduct	*-5.23*	
		For >2,500, Deduct	*-10.05*	
34 05 43 00-0272	LF	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	71.04	
		For >1,000 To 2,500, Deduct	*-7.10*	
		For >2,500, Deduct	*-12.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0273	LF	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	75.58	
		For >1,000 To 2,500, Deduct	*-7.56*	
		For >2,500, Deduct	*-13.70*	
34 05 43 00-0274	LF	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	78.38	
		For >1,000 To 2,500, Deduct	*-7.84*	
		For >2,500, Deduct	*-14.18*	
34 05 43 00-0275	LF	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	82.68	
		For >1,000 To 2,500, Deduct	*-8.27*	
		For >2,500, Deduct	*-14.88*	
34 05 43 00-0276	LF	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	87.53	
		For >1,000 To 2,500, Deduct	*-8.75*	
		For >2,500, Deduct	*-15.66*	
34 05 43 00-0277	LF	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	92.61	
		For >1,000 To 2,500, Deduct	*-9.26*	
		For >2,500, Deduct	*-16.48*	
34 05 43 00-0278	LF	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	95.32	
		For >1,000 To 2,500, Deduct	*-9.53*	
		For >2,500, Deduct	*-16.95*	
34 05 43 00-0279	LF	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	103.85	
		For >1,000 To 2,500, Deduct	*-10.39*	
		For >2,500, Deduct	*-18.29*	
34 05 43 00-0280	LF	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	110.96	
		For >1,000 To 2,500, Deduct	*-11.10*	
		For >2,500, Deduct	*-19.42*	
34 05 43 00-0281	LF	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	117.08	
		For >1,000 To 2,500, Deduct	*-11.71*	
		For >2,500, Deduct	*-20.40*	
34 05 43 00-0282	LF	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	119.92	
		For >1,000 To 2,500, Deduct	*-11.99*	
		For >2,500, Deduct	*-20.90*	
34 05 43 00-0283	EA	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	154.89	
34 05 43 00-0284	EA	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	159.69	
34 05 43 00-0285	EA	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	182.58	
34 05 43 00-0286	EA	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	190.18	
34 05 43 00-0287	EA	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	196.89	
34 05 43 00-0288	EA	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	223.26	
34 05 43 00-0289	EA	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	229.24	
34 05 43 00-0290	EA	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	236.16	
34 05 43 00-0291	EA	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	243.48	
34 05 43 00-0292	EA	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	277.40	
34 05 43 00-0293	EA	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	290.64	
34 05 43 00-0294	EA	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	301.44	
34 05 43 00-0295	EA	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	310.57	
34 05 43 00-0296	EA	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	314.98	

34 05 43 00-0297 Remove Existing Steel Joint System *(34 05 43 00-0225)*

34 05 43 00-0298	LF	Removal Of Existing Steel Joint System	71.86	

34 05 43 00-0299 Break-Up And Remove Bridge Decking By Machine *(34 05 43 00-0225)*

Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0057 for saw cutting.

34 05 43 00-0300	SY	Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine	23.35	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000 To 2,500, Deduct	*-4.20*	
		For >2,500 To 5,000, Deduct	*-6.07*	
		For >5,000 To 10,000, Deduct	*-7.94*	
		For >10,000, Deduct	*-9.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0301	SY	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine	31.88	
		For >500 To 1,000, Deduct	*-3.19*	
		For >1,000 To 2,500, Deduct	*-5.74*	
		For >2,500 To 5,000, Deduct	*-8.29*	
		For >5,000 To 10,000, Deduct	*-10.84*	
		For >10,000, Deduct	*-13.39*	
34 05 43 00-0302	SY	Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine	38.68	
		For >500 To 1,000, Deduct	*-3.87*	
		For >1,000 To 2,500, Deduct	*-6.96*	
		For >2,500 To 5,000, Deduct	*-10.06*	
		For >5,000 To 10,000, Deduct	*-13.15*	
		For >10,000, Deduct	*-16.25*	
34 05 43 00-0303	SY	Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	49.72	
		For >500 To 1,000, Deduct	*-4.97*	
		For >1,000 To 2,500, Deduct	*-8.95*	
		For >2,500 To 5,000, Deduct	*-12.93*	
		For >5,000 To 10,000, Deduct	*-16.90*	
		For >10,000, Deduct	*-20.88*	
34 05 43 00-0304	SY	Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	88.89	
		For >500 To 1,000, Deduct	*-8.89*	
		For >1,000 To 2,500, Deduct	*-16.00*	
		For >2,500 To 5,000, Deduct	*-23.11*	
		For >5,000 To 10,000, Deduct	*-30.22*	
		For >10,000, Deduct	*-37.33*	
34 05 43 00-0305	SY	Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	116.02	
		For >500 To 1,000, Deduct	*-11.60*	
		For >1,000 To 2,500, Deduct	*-20.88*	
		For >2,500 To 5,000, Deduct	*-30.17*	
		For >5,000 To 10,000, Deduct	*-39.45*	
		For >10,000, Deduct	*-48.73*	
34 05 43 00-0306	SY	Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	151.68	
		For >500 To 1,000, Deduct	*-15.17*	
		For >1,000 To 2,500, Deduct	*-27.30*	
		For >2,500 To 5,000, Deduct	*-39.44*	
		For >5,000 To 10,000, Deduct	*-51.57*	
		For >10,000, Deduct	*-63.71*	
34 05 43 00-0307	SY	Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	184.08	
		For >500 To 1,000, Deduct	*-18.41*	
		For >1,000 To 2,500, Deduct	*-33.13*	
		For >2,500 To 5,000, Deduct	*-47.86*	
		For >5,000 To 10,000, Deduct	*-62.59*	
		For >10,000, Deduct	*-77.31*	

34 05 43 00-0308 Break-Up And Remove Bridge Decking By Hand *(34 05 43 00-0225)*

Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0057 for saw cutting.

34 05 43 00-0309	SF	Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	14.92
34 05 43 00-0310	SF	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	19.63
34 05 43 00-0311	SF	Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	25.52
34 05 43 00-0312	SF	Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	18.65
34 05 43 00-0313	SF	Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	23.31
34 05 43 00-0314	SF	Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	27.97
34 05 43 00-0315	SF	Chipping And Cleaning Of Bridge Deck After Break-up And Removals	6.33

34 05 43 00-0316 Galvanic Anodes For Bridges *(34 05 43)*

34 05 43 00-0317	EA	2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) Note: Corrosion prevention only (preventing the initiation of corrosion).	61.65
34 05 43 00-0318	EA	4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) Note: Corrosion prevention only (preventing the initiation of corrosion).	61.65
34 05 43 00-0319	EA	2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	70.46
34 05 43 00-0320	EA	4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	77.15
34 05 43 00-0321	EA	2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	70.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0322	EA	1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	72.69	
34 05 43 00-0323	EA	1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	88.30	
34 05 43 00-0324	EA	1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	81.61	
34 05 43 00-0325		**Bridge Netting Panels** *(34 05 43)*		
34 05 43 00-0326	SF	Bridge Netting Panel Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.	10.52	
		For Up To 160, Add	*10.56*	
		For >160 To 320, Add	*5.28*	
		For >320 To 480, Add	*2.64*	
		For >2,000 To 10,000, Deduct	*-0.46*	
		For >10,000 To 25,000, Deduct	*-0.92*	
		For >25,000, Deduct	*-1.38*	
34 05 43 00-0327		**Anchors For Bridges** *(34 05 43)* Note: Excludes core drilling. See CSI section 02 41 19 13-0080 for core drilling.		
34 05 43 00-0328		**Threaded Rod, A449** *(34 05 43 00-0327)*		
34 05 43 00-0329	LF	7/8" Diameter Continuous Threaded Rod, A449	22.30	
34 05 43 00-0330	LF	1" Diameter Continuous Threaded Rod, A449	26.53	
34 05 43 00-0331	LF	1-1/8" Diameter Continuous Threaded Rod, A449	30.72	
34 05 43 00-0332	LF	1-1/4" Diameter Continuous Threaded Rod, A449	38.79	
34 05 43 00-0333		**Flat Washers, F436** *(34 05 43 00-0327)*		
34 05 43 00-0334	EA	7/8" Flat Washer, F436	2.43	
34 05 43 00-0335	EA	1" Flat Washer, F436	2.83	
34 05 43 00-0336	EA	1-1/8" Flat Washer, F436	3.11	
34 05 43 00-0337	EA	1-1/4" Flat Washer, F436	3.54	
34 05 43 00-0338		**Heavy Hex Nut, A194** *(34 05 43 00-0327)*		
34 05 43 00-0339	EA	7/8" Hex Nut, A194	4.89	
34 05 43 00-0340	EA	1" Hex Nut, A194	6.62	
34 05 43 00-0341	EA	1-1/8" Hex Nut, A194	7.85	
34 05 43 00-0342	EA	1-1/4" Hex Nut, A194	9.38	
34 05 43 00-0343		**Grout For Threaded Rod** *(34 05 43 00-0327)*		
34 05 43 00-0344	IN	Grout 7/8" Rod In Hole	3.31	
34 05 43 00-0345	IN	Grout 1" Rod In Hole	3.77	
34 05 43 00-0346	IN	Grout 1-1/8" Rod In Hole	4.41	
34 05 43 00-0347	IN	Grout 1-1/4" Rod In Hole	5.28	
34 05 43 00-0348		**Test Grouted Anchor** *(34 05 43 00-0327)*		
34 05 43 00-0349	EA	Test Grouted Anchor	37.55	
34 05 43 00-0350		**Removal Of Fasteners Or Anchors In Concrete** *(34 05 43 00-0327)* Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0351	EA	Drill Out 3/8" Diameter Fastener/Anchor In Concrete	30.96	
34 05 43 00-0352	EA	Drill Out 1/2" Diameter Fastener/Anchor In Concrete	33.31	
34 05 43 00-0353	EA	Drill Out 9/16" Diameter Fastener/Anchor In Concrete	34.92	
34 05 43 00-0354	EA	Drill Out 5/8" Diameter Fastener/Anchor In Concrete	38.00	
34 05 43 00-0355	EA	Drill Out 3/4" Diameter Fastener/Anchor In Concrete	41.56	
34 05 43 00-0356	EA	Drill Out 7/8" Diameter Fastener/Anchor In Concrete	46.00	
34 05 43 00-0357	EA	Drill Out 1" Diameter Fastener/Anchor In Concrete	48.65	
34 05 43 00-0358	EA	Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete	51.79	
34 05 43 00-0359	EA	Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete	55.72	
34 05 43 00-0360	EA	Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete	62.52	
34 05 43 00-0361		**Bridge Surfacing** *(34 05 43)*		
34 05 43 00-0362		**Bridge Coatings** *(34 05 43 00-0361)* Note: Includes sweeping of bridge deck.		
34 05 43 00-0363	SF	Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats) Note: Includes power washing and drying after power washing.	1.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0364	SF	Protective Seal Coat For Existing Bridge Decks	2.36	
34 05 43 00-0365	SF	Penetrating Sealer For Existing Bridge Decks	3.89	
34 05 43 00-0366		**Bridge Membranes** *(34 05 43 00-0361)*		
		Note: Excludes abrasive blasting of deck.		
34 05 43 00-0367	SF	Spray Applied Waterproofing Membrane For Bridge Decks	14.86	
34 05 43 00-0368	SF	Sheet Applied Waterproofing Membrane For Bridge Decks	4.30	
34 05 43 00-0369		**Sealer And Overlay For Bridge Deck** *(34 05 43 00-0361)*		
		Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0370	SY	Shot Blasting Bridge Decks	15.86	
		Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0371	SY	Thin Polymer (Epoxy) Overlay For Bridge Deck	99.15	
		Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0372	SY	3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	179.98	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0373	SY	1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	205.46	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0374	SY	1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	262.65	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0375	SY	2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	319.82	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0376	SY	2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	376.99	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0377	SY	3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	434.18	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0378		**Broadcast Silica Sand** *(34 05 43 00-0361)*		
		Note: Includes removing loose sand.		
34 05 43 00-0379	SF	Broadcast Silica Sand	0.33	
34 05 43 00-0380		**Sweeping And Cleaning Of Bridge Deck** *(34 05 43 00-0361)*		
		See CSI section 01 22 23 00-1731 for water trucks, 01 22 23 00-1758 for vacuum sweeper trucks.		
34 05 43 00-0381		**Concrete Overlay For Bridge Deck** *(34 05 43 00-0361)*		
		Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0382	SY	3" Concrete Overlay For Bridge Deck	194.41	
		For DOT Class DP, Add	*35.06*	
		For DOT Class E, Add	*11.44*	
		For DOT Class HP, Add	*33.47*	
34 05 43 00-0383		**Bridge Roadway Grooving** *(34 05 43 00-0361)*		
34 05 43 00-0384	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	4,564.17	
34 05 43 00-0385	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	7.39	
34 05 43 00-0386	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	5,084.65	
34 05 43 00-0387	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	9.63	
34 05 43 00-0388		**Gravity Fed Concrete Crack Repair** *(34 05 43 00-0361)*		
		Note: Includes removing loose materials and cleaning.		
34 05 43 00-0389	LF	Epoxy Low Viscosity Gravity Fed Concrete Crack Repair	3.95	
34 05 43 00-0390	LF	HMWM Low Viscosity Gravity Fed Concrete Crack Repair	4.62	
34 05 43 00-0391		**Concrete Pumping With Boom Truck** *(34 05 43 00-0361)*		
		See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
34 05 43 00-0392		**Bridge Girder Repair** *(34 05 43)*		
34 05 43 00-0393		**Bridge Girder Repair** *(34 05 43 00-0392)*		
		Note: Excludes mobilization of bridge jacking crew. See CSI section 05 05 23 00-0033 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0394	HR	UT, MT, PT Testing	75.00	
		Note: Excludes mileage to job site.		
34 05 43 00-0395	EA	Mobilization of Bridge Girder Repair Crew	2,780.13	
34 05 43 00-0396	LF	3" x 3" x 1/4" Angle Iron For Bridge Repair	15.65	6.29
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*23.23*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.50*	
34 05 43 00-0397	LF	4" x 4" x 1/4" Angle Iron For Bridge Repair	20.04	7.67
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*31.39*	
		For Aluminum, Add	*1.77*	
		For Galvanized Steel, Add	*6.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0398	LF	3" x 3" x 3/8" Angle Iron For Bridge Repair	20.10	7.08
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*34.14*	
		For Aluminum, Add	*1.92*	
		For Galvanized Steel, Add	*6.62*	
34 05 43 00-0399	LF	4" x 4" x 3/8" Angle Iron For Bridge Repair	25.99	8.60
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*46.50*	
		For Aluminum, Add	*2.62*	
		For Galvanized Steel, Add	*9.01*	
34 05 43 00-0400	LF	6" x 4" x 3/8" Angle Iron For Bridge Repair	33.24	11.23
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*58.50*	
		For Aluminum, Add	*3.29*	
		For Galvanized Steel, Add	*11.33*	
34 05 43 00-0401	LF	6" x 6" x 3/8" Angle Iron For Bridge Repair	37.10	11.23
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*70.85*	
		For Aluminum, Add	*3.99*	
		For Galvanized Steel, Add	*13.73*	
34 05 43 00-0402	LF	6" x 6" x 1/2" Angle Iron For Bridge Repair	49.21	15.07
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*93.18*	
		For Aluminum, Add	*5.24*	
		For Galvanized Steel, Add	*18.05*	
34 05 43 00-0403	LF	7" x 4" x 5/8" Angle Iron For Bridge Repair	54.01	15.88
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*105.09*	
		For Aluminum, Add	*5.91*	
		For Galvanized Steel, Add	*20.36*	
34 05 43 00-0404	LF	5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair	47.21	13.34
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*94.14*	
		For Aluminum, Add	*5.30*	
		For Galvanized Steel, Add	*18.24*	
34 05 43 00-0405	LF	6" x 4" x 3/4" Angle Iron For Bridge Repair	56.27	15.90
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*112.22*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	
34 05 43 00-0406	LF	7" x 4" x 3/4" Angle Iron For Bridge Repair	62.47	17.65
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*124.58*	
		For Aluminum, Add	*7.01*	
		For Galvanized Steel, Add	*24.14*	
34 05 43 00-0407	LF	8" x 6" x 7/8" Angle Iron For Bridge Repair	90.89	24.58
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*185.95*	
		For Aluminum, Add	*10.46*	
		For Galvanized Steel, Add	*36.03*	
34 05 43 00-0408	LF	C4 x 5.4 - 4" Wide Channels For Bridge Repair	18.80	8.08
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
34 05 43 00-0409	LF	C6 x 8.2 - 6" Wide Channels For Bridge Repair	27.27	11.32
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*38.98*	
		For Aluminum, Add	*2.19*	
		For Galvanized Steel, Add	*7.55*	
34 05 43 00-0410	LF	C8 x 11.5 - 8" Wide Channels For Bridge Repair	36.85	14.82
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*54.69*	
		For Aluminum, Add	*3.08*	
		For Galvanized Steel, Add	*10.60*	
34 05 43 00-0411	LF	C10 x 15.3 - 10" Wide Channels For Bridge Repair	49.02	19.71
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*72.74*	
		For Aluminum, Add	*4.09*	
		For Galvanized Steel, Add	*14.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0412	LF	C12 x 20.7 - 12" Wide Channels For Bridge Repair	66.33	26.68
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*98.43*	
		For Aluminum, Add	*5.54*	
		For Galvanized Steel, Add	*19.07*	
34 05 43 00-0413	LF	C15 x 33.9 - 15" Wide Channels For Bridge Repair	108.62	43.69
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*161.18*	
		For Aluminum, Add	*9.07*	
		For Galvanized Steel, Add	*31.23*	
34 05 43 00-0414	SF	1/2" A36 Steel Plates For Bridge Repair	65.23	17.20
		For A50 Grade Steel, Add	*2.36*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0415	SF	5/8" A36 Steel Plates For Bridge Repair	81.53	21.49
		For A50 Grade Steel, Add	*2.95*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0416	SF	3/4" A36 Steel Plates For Bridge Repair	97.84	25.66
		For A50 Grade Steel, Add	*3.54*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0417	SF	7/8" A36 Steel Plates For Bridge Repair	114.15	30.08
		For A50 Grade Steel, Add	*4.12*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0418	SF	1" A36 Steel Plates For Bridge Repair	130.45	34.38
		For A50 Grade Steel, Add	*4.71*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0419	SF	1-1/4" A36 Steel Plates For Bridge Repair	163.07	42.98
		For A50 Grade Steel, Add	*5.89*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0420	SF	1-3/8" A36 Steel Plates For Bridge Repair	179.37	47.28
		For A50 Grade Steel, Add	*6.48*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0421	SF	1-1/2" A36 Steel Plates For Bridge Repair	195.68	51.58
		For A50 Grade Steel, Add	*7.07*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0422	CWT	Removal Of Existing Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	74.44	
		For Removal Over 30' To 50', Add	*14.89*	
		For Removal Over 50' To 75', Add	*26.05*	
		For Removal Over 75', Add	*37.22*	
34 05 43 00-0423	TON	Removal Of Existing Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	992.54	
		For Removal Over 30' To 50', Add	*198.51*	
		For Removal Over 50' To 75', Add	*347.39*	
		For Removal Over 75', Add	*496.27*	
34 05 43 00-0424	CWT	Miscellaneous Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	498.42	
		For A50 Grade Steel, Add	*84.80*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
34 05 43 00-0425	TON	Miscellaneous Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	7,951.83	
		For A50 Grade Steel, Add	*1,391.86*	
		Cutting Fee For I-beams, Floor Beams And Plates Over 5' x 5', Add Per Each Piece	*30.00*	
34 05 43 00-0426	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter Note: Per each hole drilled per steel member.	42.50	
34 05 43 00-0427	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter Note: Per each hole drilled per steel member.	55.25	
34 05 43 00-0428	EA	Bolts A325 For Steel Repair Connections Up To 7/8"	34.29	2.40
34 05 43 00-0429	EA	Bridge Girder Rivet Removal	371.30	
34 05 43 00-0430	LF	Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	7.96	
34 05 43 00-0431	LF	>1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	13.95	
34 05 43 00-0432	LF	>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	19.93	
34 05 43 00-0433	LF	>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	25.92	
34 05 43 00-0434	LF	>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	31.91	
34 05 43 00-0435	LF	>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	37.90	

34 05 43 00-0436 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces *(34 05 43 00-0392)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0437	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.23	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	
34 05 43 00-0438	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.69	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 15,000, Deduct	*-0.16*	
		For >15,000 To 30,000, Deduct	*-0.24*	
		For >30,000, Deduct	*-0.32*	
34 05 43 00-0439	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	2.48	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.47*	
34 05 43 00-0440	SF	Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair	4.13	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.51*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.38*	
		For >15,000 To 30,000, Deduct	*-0.60*	
		For >30,000, Deduct	*-0.79*	
34 05 43 00-0441	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.14	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 30,000, Deduct	*-0.45*	
		For >30,000, Deduct	*-0.60*	
34 05 43 00-0442	SF	Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.90	
		For Up To 100, Add	*2.35*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.36*	
		For >15,000 To 30,000, Deduct	*-0.56*	
		For >30,000, Deduct	*-0.74*	
34 05 43 00-0443	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	5.04	
		For Up To 100, Add	*3.05*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.46*	
		For >15,000 To 30,000, Deduct	*-0.73*	
		For >30,000, Deduct	*-0.96*	
34 05 43 00-0444	SF	Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair	6.31	
		For Up To 100, Add	*3.81*	
		For >100 To 250, Add	*1.78*	
		For >250 To 500, Add	*0.76*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 15,000, Deduct	*-0.58*	
		For >15,000 To 30,000, Deduct	*-0.91*	
		For >30,000, Deduct	*-1.20*	

34 05 43 00-0445 Galvanized Anchor Bolts For Bridge Bearings *(34 05 43 00-0392)*

34 05 43 00-0446	EA	1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	17.93	
34 05 43 00-0447	EA	1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings	29.07	
34 05 43 00-0448	EA	1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	36.82	
34 05 43 00-0449	EA	5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	44.47	
34 05 43 00-0450	EA	5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	56.47	
34 05 43 00-0451	EA	5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	63.99	
34 05 43 00-0452	EA	3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	63.63	
34 05 43 00-0453	EA	3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	73.39	
34 05 43 00-0454	EA	3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	91.55	
34 05 43 00-0455	EA	3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	112.89	
34 05 43 00-0456	EA	7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	85.33	
34 05 43 00-0457	EA	7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	101.20	
34 05 43 00-0458	EA	7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	131.51	
34 05 43 00-0459	EA	1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	107.69	
34 05 43 00-0460	EA	1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	128.84	
34 05 43 00-0461	EA	1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	160.26	
34 05 43 00-0462	EA	1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	196.61	
34 05 43 00-0463	EA	1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	131.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0464	EA	1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	157.47	
34 05 43 00-0465	EA	1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	196.03	
34 05 43 00-0466	EA	1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	240.35	
34 05 43 00-0467	EA	1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	161.22	
34 05 43 00-0468	EA	1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	193.17	
34 05 43 00-0469	EA	1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	240.64	
34 05 43 00-0470	EA	1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	294.85	
34 05 43 00-0471	EA	1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	198.37	
34 05 43 00-0472	EA	1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	237.74	
34 05 43 00-0473	EA	1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	296.40	
34 05 43 00-0474	EA	1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	363.04	

34 05 43 00-0475 Welding For Bridge Repair *(34 05 43 00-0392)*

34 05 43 00-0476	EA	Minimum Charge For Welding For Bridge Repair Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	2,607.08	
34 05 43 00-0477	LF	3/16" Fillet Welding For Bridge Repair	17.71	
		For Full Penetration Weld, Add	*6.54*	
34 05 43 00-0478	LF	1/4" Fillet Welding For Bridge Repair	26.62	
		For Full Penetration Weld, Add	*9.81*	
34 05 43 00-0479	LF	5/16" Fillet Welding For Bridge Repair	35.51	
		For Full Penetration Weld, Add	*13.08*	
34 05 43 00-0480	LF	3/8" Fillet Welding For Bridge Repair	44.33	
		For Full Penetration Weld, Add	*16.34*	
34 05 43 00-0481	LF	7/16" Fillet Welding For Bridge Repair	51.78	
		For Full Penetration Weld, Add	*19.61*	
34 05 43 00-0482	LF	1/2" Fillet Welding For Bridge Repair	61.60	
		For Full Penetration Weld, Add	*22.70*	
34 05 43 00-0483	LF	9/16" Fillet Welding For Bridge Repair	71.21	
		For Full Penetration Weld, Add	*26.75*	
34 05 43 00-0484	LF	5/8" Fillet Welding For Bridge Repair	78.69	
		For Full Penetration Weld, Add	*29.42*	
34 05 43 00-0485	LF	3/4" Fillet Welding For Bridge Repair	109.35	
		For Full Penetration Weld, Add	*40.21*	
34 05 43 00-0486	LF	7/8" Fillet Welding For Bridge Repair	143.09	
		For Full Penetration Weld, Add	*53.30*	
34 05 43 00-0487	LF	1" Fillet Welding For Bridge Repair	200.37	
		For Full Penetration Weld, Add	*73.55*	

34 05 43 00-0488 Bridge Trough Repair *(34 05 43)*

34 05 43 00-0489	EA	New Bridge Trough Hanger	326.86	29.94
34 05 43 00-0490	EA	Reattach By Welding Existing Bridge Trough Hanger, Top And/or Bottom	80.85	
34 05 43 00-0491	EA	Removal And Replacement Of All Thread For Existing Bridge Trough Hanger	140.21	
34 05 43 00-0492	EA	Removal And Replacement Of Steel Angle Attachment For Existing Bridge Trough Hanger	77.92	

34 05 43 00-0493 Spot Paint Removal And Painting, Bridge Structural Steel *(34 05 43)*

34 05 43 00-0494	HR	Testing For Lead And Asbestos Paint Removal By Asbestos Contractor	130.82	
34 05 43 00-0495	EA	Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal	220.94	
34 05 43 00-0496	SF	>4 SF, Flat Surfaces, Non-Contaminated Paint Removal	55.24	
34 05 43 00-0497	EA	Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	291.64	
34 05 43 00-0498	SF	>4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	72.91	
34 05 43 00-0499	CF	Treat and Dispose of Removed Paint Waste	6.62	
34 05 43 00-0500	SF	Flat Surfaces Spot Painting Note: Includes 1 coat epoxy rust inhibiting primer and 2 coats epoxy paint finish.	58.45	
34 05 43 00-0501	EA	Minimum Charge For Plastic Barrier Enclosure for Paint Removal Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	1,374.13	
34 05 43 00-0502	SF	Plastic Barrier Enclosure For Paint Removal Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	4.29	

34 05 43 00-0503 End Beam Cleaning And Painting For Bridges *(34 05 43)*

34 05 43 00-0504	SF	End Beam Cleaning and Painting Note: Includes high-pressure wash at minimum 3,003 to 5,000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC – SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.	4.31	
		For Up To 100, Add	*4.31*	
		For >100 To 500, Add	*2.84*	
		For >500 To 3,000, Add	*1.42*	
		For >5,000 To 7,500, Deduct	*-0.69*	
		For >7,500 To 10,000, Deduct	*-1.04*	
		For >10,000, Deduct	*-1.48*	

34 05 43 00-0505 Pedestrian Fences For Bridges *(34 05 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0506		**Pedestrian Fence Assembly For Bridges** *(34 05 43 00-0505)*		
		Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0507		**Galvanized Pedestrian Fence Assembly For Bridges** *(34 05 43 00-0506)*		
34 05 43 00-0508	LF	4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	60.27	14.15
		For Posts 8' On Centers, Add	*3.29*	
		For Posts 5' On Centers, Add	*12.36*	
		For Up To 100, Add	*11.37*	
		For >100 To 250, Add	*4.18*	
34 05 43 00-0509	LF	>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	65.61	14.85
		For Posts 8' On Centers, Add	*3.57*	
		For Posts 5' On Centers, Add	*13.40*	
		For Up To 100, Add	*12.29*	
		For >100 To 250, Add	*4.50*	
34 05 43 00-0510	LF	>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	70.99	15.57
		For Posts 8' On Centers, Add	*3.86*	
		For Posts 5' On Centers, Add	*14.44*	
		For Up To 100, Add	*13.21*	
		For >100 To 250, Add	*4.83*	
34 05 43 00-0511	LF	>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	74.50	16.27
		For Posts 8' On Centers, Add	*4.05*	
		For Posts 5' On Centers, Add	*15.15*	
		For Up To 100, Add	*13.86*	
		For >100 To 250, Add	*5.07*	
34 05 43 00-0512	LF	>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	84.70	17.69
		For Posts 8' On Centers, Add	*4.58*	
		For Posts 5' On Centers, Add	*17.14*	
		For Up To 100, Add	*15.62*	
		For >100 To 250, Add	*5.69*	
34 05 43 00-0513		**Vinyl Coated Pedestrian Fence Assembly For Bridges** *(34 05 43 00-0506)*		
34 05 43 00-0514	LF	4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	63.27	14.15
		For Powder Coated, Add	*7.99*	
		For Aluminum Coated, Add	*15.98*	
		For Posts 8' On Centers, Add	*3.44*	
		For Posts 5' On Centers, Add	*12.90*	
		For Up To 100, Add	*11.82*	
		For >100 To 250, Add	*4.33*	
34 05 43 00-0515	LF	>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	69.40	14.85
		For Powder Coated, Add	*8.98*	
		For Aluminum Coated, Add	*17.97*	
		For Posts 8' On Centers, Add	*3.76*	
		For Posts 5' On Centers, Add	*14.08*	
		For Up To 100, Add	*12.86*	
		For >100 To 250, Add	*4.69*	
34 05 43 00-0516	LF	>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	78.68	15.57
		For Powder Coated, Add	*10.61*	
		For Aluminum Coated, Add	*21.22*	
		For Posts 8' On Centers, Add	*4.24*	
		For Posts 5' On Centers, Add	*15.83*	
		For Up To 100, Add	*14.37*	
		For >100 To 250, Add	*5.22*	
34 05 43 00-0517	LF	>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	83.45	16.27
		For Powder Coated, Add	*11.33*	
		For Aluminum Coated, Add	*22.66*	
		For Posts 8' On Centers, Add	*4.49*	
		For Posts 5' On Centers, Add	*16.76*	
		For Up To 100, Add	*15.20*	
		For >100 To 250, Add	*5.51*	
34 05 43 00-0518	LF	>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	95.13	17.69
		For Powder Coated, Add	*13.20*	
		For Aluminum Coated, Add	*26.40*	
		For Posts 8' On Centers, Add	*5.11*	
		For Posts 5' On Centers, Add	*19.02*	
		For Up To 100, Add	*17.18*	
		For >100 To 250, Add	*6.21*	
34 05 43 00-0519		**Bridge Connection Mounting For Pedestrian Fence Assembly** *(34 05 43 00-0506)*		
34 05 43 00-0520	EA	Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts Note: Includes drilling into steel post.	68.83	
34 05 43 00-0521	EA	Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint	36.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0522	EA	Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	99.99	
34 05 43 00-0523	EA	Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	114.78	
34 05 43 00-0524	EA	Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	153.61	
34 05 43 00-0525		**Bridge Drainage Pipe** *(34 05 43)* Note: Concrete gray.		
34 05 43 00-0526		**FRP Bridge Drain Pipe** *(34 05 43 00-0525)*		
34 05 43 00-0527	LF	6" IPS FRP Bridge Drain Piping	173.01	20.24
34 05 43 00-0528	LF	8" IPS FRP Bridge Drain Piping	219.33	25.27
34 05 43 00-0529	LF	10" IPS FRP Bridge Drain Piping	282.18	30.30
34 05 43 00-0530	LF	12" IPS FRP Bridge Drain Piping	351.90	35.33
34 05 43 00-0531		**FRP Bridge Drain Tee Saddles** *(34 05 43 00-0525)*		
34 05 43 00-0532	EA	6" x 6" FRP Bridge Drain Tee Saddle	1,465.66	302.76
34 05 43 00-0533	EA	8" x 8" FRP Bridge Drain Tee Saddle	1,860.43	378.45
34 05 43 00-0534	EA	10" x 10" FRP Bridge Drain Tee Saddle	2,726.51	454.14
34 05 43 00-0535	EA	12" x 12" FRP Bridge Drain Tee Saddle	3,293.72	529.84
34 05 43 00-0536	EA	8" x 6" FRP Bridge Drain Tee Saddle	1,730.29	340.61
34 05 43 00-0537	EA	10" x 6" FRP Bridge Drain Tee Saddle	2,472.36	378.45
34 05 43 00-0538	EA	10" x 8" FRP Bridge Drain Tee Saddle	2,599.46	416.29
34 05 43 00-0539	EA	12" x 6" FRP Bridge Drain Tee Saddle	2,932.87	416.29
34 05 43 00-0540	EA	12" x 8" FRP Bridge Drain Tee Saddle	3,038.56	454.14
34 05 43 00-0541	EA	12" x 10" FRP Bridge Drain Tee Saddle	3,170.52	491.99
34 05 43 00-0542		**FRP Bridge Drain 45 Degree Lateral Saddles** *(34 05 43 00-0525)*		
34 05 43 00-0543	EA	6" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	1,565.71	302.76
34 05 43 00-0544	EA	8" x 8" FRP Bridge Drain 45 Degree Lateral Saddle	1,976.49	378.45
34 05 43 00-0545	EA	10" x 10" FRP Bridge Drain 45 Degree Lateral Saddle	2,945.91	454.14
34 05 43 00-0546	EA	12" x 12" FRP Bridge Drain 45 Degree Lateral Saddle	3,725.21	529.84
34 05 43 00-0547	EA	8" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	1,846.99	340.61
34 05 43 00-0548	EA	10" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	2,698.15	378.45
34 05 43 00-0549	EA	10" x 8" FRP Bridge Drain 45 Degree Lateral Saddle	2,821.99	416.29
34 05 43 00-0550	EA	12" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	3,362.94	416.29
34 05 43 00-0551	EA	12" x 8" FRP Bridge Drain 45 Degree Lateral Saddle	3,486.86	454.14
34 05 43 00-0552		**FRP Bridge Drain Couplings** *(34 05 43 00-0525)*		
34 05 43 00-0553	EA	6" FRP Bridge Drain Coupling	668.57	161.44
34 05 43 00-0554	EA	8" FRP Bridge Drain Coupling	863.70	201.80
34 05 43 00-0555	EA	10" FRP Bridge Drain Coupling	1,043.88	242.17
34 05 43 00-0556	EA	12" FRP Bridge Drain Coupling	1,477.45	282.64
34 05 43 00-0557		**FRP Bridge Drain Flanges** *(34 05 43 00-0525)*		
34 05 43 00-0558	EA	6" FRP Bridge Drain Flange	812.84	80.72
34 05 43 00-0559	EA	6", 8 Hole FRP Bridge Drain Flange	955.59	100.96
34 05 43 00-0560	EA	8" FRP Bridge Drain Flange	1,001.76	100.96
34 05 43 00-0561	EA	8", 8 Hole FRP Bridge Drain Flange	1,159.73	126.11
34 05 43 00-0562	EA	10" FRP Bridge Drain Flange	1,350.82	121.08
34 05 43 00-0563	EA	10", 12 Hole FRP Bridge Drain Flange	1,559.08	151.38
34 05 43 00-0564		**FRP Bridge Drain Socket Cleanouts With Plug** *(34 05 43 00-0525)*		
34 05 43 00-0565	EA	6" x 4" FRP Bridge Drain Socket Cleanout With 4" Plug	655.33	100.96
34 05 43 00-0566	EA	8" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug	877.51	126.11
34 05 43 00-0567	EA	10" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug	1,011.89	151.38
34 05 43 00-0568	EA	12" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug	1,300.88	176.66
34 05 43 00-0569		**FRP Bridge Drain Concentric Reducers** *(34 05 43 00-0525)*		
34 05 43 00-0570	EA	8" x 6" FRP Bridge Drain Concentric Reducer	1,128.42	126.11
34 05 43 00-0571	EA	10" x 6" FRP Bridge Drain Concentric Reducer	1,084.50	143.84
34 05 43 00-0572	EA	10" x 8" FRP Bridge Drain Concentric Reducer	1,068.66	151.38
34 05 43 00-0573	EA	12" x 6" FRP Bridge Drain Concentric Reducer	1,285.98	158.93
34 05 43 00-0574	EA	12" x 8" FRP Bridge Drain Concentric Reducer	1,292.37	167.79
34 05 43 00-0575	EA	12" x 10" FRP Bridge Drain Concentric Reducer	1,370.01	176.66
34 05 43 00-0576	EA	14" x 8" FRP Bridge Drain Concentric Reducer	2,140.57	185.39
34 05 43 00-0577	EA	14" x 10" FRP Bridge Drain Concentric Reducer	2,168.61	194.74
34 05 43 00-0578	EA	14" x 12" FRP Bridge Drain Concentric Reducer	2,198.06	204.43
34 05 43 00-0579	EA	16" x 12" FRP Bridge Drain Concentric Reducer	2,604.06	214.73
34 05 43 00-0580	EA	18" x 12" FRP Bridge Drain Concentric Reducer	2,957.49	225.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0581		**FRP Bridge Drain 90 Degree Socket Elbows** *(34 05 43 00-0525)*		
34 05 43 00-0582	EA	6" FRP Bridge Drain 90 Degree Socket Elbow	1,486.86	201.80
34 05 43 00-0583	EA	8" FRP Bridge Drain 90 Degree Socket Elbow	1,746.33	252.34
34 05 43 00-0584	EA	10" FRP Bridge Drain 90 Degree Socket Elbow	2,734.13	302.76
34 05 43 00-0585	EA	12" FRP Bridge Drain 90 Degree Socket Elbow	3,732.12	353.18
34 05 43 00-0586		**FRP Bridge Drain 45 Degree Socket Elbows** *(34 05 43 00-0525)*		
34 05 43 00-0587	EA	6" FRP Bridge Drain 45 Degree Socket Elbow	1,141.15	201.80
34 05 43 00-0588	EA	8" FRP Bridge Drain 45 Degree Socket Elbow	1,502.46	252.34
34 05 43 00-0589	EA	10" FRP Bridge Drain 45 Degree Socket Elbow	2,038.80	302.76
34 05 43 00-0590	EA	12" FRP Bridge Drain 45 Degree Socket Elbow	2,663.20	353.18
34 05 43 00-0591		**FRP Bridge Drain 22-1/2 Degree Socket Elbows** *(34 05 43 00-0525)*		
34 05 43 00-0592	EA	6" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,008.79	201.80
34 05 43 00-0593	EA	8" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,310.49	252.34
34 05 43 00-0594	EA	10" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,673.34	302.76
34 05 43 00-0595	EA	12" FRP Bridge Drain 22-1/2 Degree Socket Elbow	3,117.21	353.18
34 05 43 00-0596		**FRP Bridge Drain Debris Covers** *(34 05 43 00-0525)*		
34 05 43 00-0597	EA	8" x 6" FRP Bridge Drain Debris Cover	894.58	105.16
34 05 43 00-0598	EA	10" x 6" FRP Bridge Drain Debris Cover	920.16	110.42
34 05 43 00-0599	EA	10" x 8" FRP Bridge Drain Debris Cover	954.38	121.68
34 05 43 00-0600	EA	12" x 10" FRP Bridge Drain Debris Cover	1,001.48	134.13
34 05 43 00-0601	EA	12" x 6" FRP Bridge Drain Debris Cover	936.86	115.93
34 05 43 00-0602	EA	12" x 8" FRP Bridge Drain Debris Cover	982.17	127.79
34 05 43 00-0603	EA	14" x 10" FRP Bridge Drain Debris Cover	1,053.10	140.85
34 05 43 00-0604	EA	14" x 12" FRP Bridge Drain Debris Cover	1,074.39	147.90
34 05 43 00-0605	EA	16" x 12" FRP Bridge Drain Debris Cover	1,147.26	155.33

34 10 Guideways/Railways *(34)*

34 11 Rail Tracks *(34 10)*

34 11 13 Track Rails *(34 11)*

34 11 13 23 Heavy Rail Track *(34 11 13)*

34 11 13 23-0001		**Rail A.R.A.-A. And A.R.A.E., New Prime Rail And Relays** *(34 11 13 23)* See CSI section 34 11 36 00-0000 for fasteners and accessories.		
34 11 13 23-0002	LF	Railroad Work, 90 Lb. Prime Rail ARA-A And ARAE	45.45	7.83
34 11 13 23-0003	LF	Railroad Work, 90 Lb. Prime Relay ARA-A And ARAE	27.67	7.83
34 11 13 23-0004	LF	Railroad Work, 100 Lb. Prime Rail ARA-A And ARAE	49.74	8.22
34 11 13 23-0005	LF	Railroad Work, 100 Lb. Prime Relay ARA-A And ARAE	30.06	8.22
34 11 13 23-0006	LF	Railroad Work, 110 Lb. Prime Rail ARA-A And ARAE	55.76	8.62
34 11 13 23-0007	LF	Railroad Work, 110 Lb. Prime Relay ARA-A And ARAE	33.27	8.62
34 11 13 23-0008	LF	Railroad Work, 115 Lb. Prime Rail ARA-A And ARAE	65.23	9.40
34 11 13 23-0009	LF	Railroad Work, 115 Lb. Prime Relay ARA-A And ARAE	38.47	9.40
34 11 13 23-0010	LF	Railroad Work, 132 Lb. Prime Rail ARA-A And ARAE	75.04	10.45
34 11 13 23-0011	LF	Railroad Work, 132 Lb. Prime Relay ARA-A And ARAE	44.00	10.45
34 11 13 23-0012		**Turnouts, A.R.A.-A. And A.R.E.A., New No. 8** *(34 11 13 23)*		
34 11 13 23-0013	EA	Railroad Work, 90 Lb. Number 8 Turnout ARA-A And ARAE	32,380.27	2,924.53
34 11 13 23-0014	EA	Railroad Work, 90 Lb. Number 8 Turnout Relay ARA-A And ARAE	25,181.68	2,924.53
34 11 13 23-0015	EA	Railroad Work, 100 Lb. Number 8 Turnout ARA-A And ARAE	34,334.80	2,924.53
34 11 13 23-0016	EA	Railroad Work, 100 Lb. Number 8 Turnout Relay ARA-A And ARAE	26,780.48	2,924.53
34 11 13 23-0017	EA	Railroad Work, 110 Lb. Number 8 Turnout ARA-A And ARAE	35,573.88	2,924.53
34 11 13 23-0018	EA	Railroad Work, 110 Lb. Number 8 Turnout Relay ARA-A And ARAE	27,268.11	2,924.53
34 11 13 23-0019	EA	Railroad Work, 115 Lb. Number 8 Turnout ARA-A And ARAE	44,327.30	2,924.53
34 11 13 23-0020	EA	Railroad Work, 115 Lb. Number 8 Turnout Relay ARA-A And ARAE	27,579.88	2,924.53
34 11 13 23-0021	EA	Railroad Work, 132 Lb. Number 8 Turnout ARA-A And ARAE	46,623.44	2,924.53
34 11 13 23-0022	EA	Railroad Work, 132 Lb. Number 8 Turnout Relay ARA-A And ARAE	28,438.10	2,924.53

34 11 19 Track Rail Joints *(34 11)*

34 11 19 00-0001		**Angle Bars A.R.A.-A. And A.R.E.A.** *(34 11 19)* Note: New prime angle bars and relays.		
34 11 19 00-0002	PR	Railroad Work, 90 Lb. Angle Bar ARA-A And ARAE	103.50	3.85
34 11 19 00-0003	PR	Railroad Work, 90 Lb. Angle Bar Relay ARA-A And ARAE	45.76	3.85
34 11 19 00-0004	PR	Railroad Work, 100 Lb. Angle Bar ARA-A And ARAE	108.64	3.85
34 11 19 00-0005	PR	Railroad Work, 100 Lb. Angle Bar Relay ARA-A And ARAE	47.83	3.85
34 11 19 00-0006	PR	Railroad Work, 110 Lb. Angle Bar ARA-A And ARAE	134.16	3.85
34 11 19 00-0007	PR	Railroad Work, 110 Lb. Angle Bar Relay ARA-A And ARAE	58.20	3.85
34 11 19 00-0008	PR	Railroad Work, 115 Lb. Angle Bar ARA-A And ARAE	159.74	3.85
34 11 19 00-0009	PR	Railroad Work, 115 Lb. Angle Bar Relay ARA-A And ARAE	68.58	3.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 11 19 00-0010	PR	Railroad Work, 132 Lb. Angle Bar ARA-A And ARAE	190.45	3.85
34 11 19 00-0011	PR	Railroad Work, 132 Lb. Angle Bar Relay ARA-A And ARAE	81.02	3.85
34 11 19 00-0012		**Tie Plates A.R.A.-A. And A.R.E.A., New Tie Plates And Relays** *(34 11 19)*		
34 11 19 00-0013	EA	Railroad Work, 90 Lb. Tie Plate ARA-A And ARAE	19.56	1.93
34 11 19 00-0014	EA	Railroad Work, 90 Lb. Tie Plate Relay ARA-A And ARAE	8.50	1.93
34 11 19 00-0015	EA	Railroad Work, 100 Lb. Tie Plate ARA-A And ARAE	19.56	1.93
34 11 19 00-0016	EA	Railroad Work, 100 Lb. Tie Plate Relay ARA-A And ARAE	8.50	1.93
34 11 19 00-0017	EA	Railroad Work, 110 Lb. Tie Plate ARA-A And ARAE	27.67	1.93
34 11 19 00-0018	EA	Railroad Work, 110 Lb. Tie Plate Relay ARA-A And ARAE	14.72	1.93
34 11 19 00-0019	EA	Railroad Work, 115 Lb. Tie Plate ARA-A And ARAE	27.67	1.93
34 11 19 00-0020	EA	Railroad Work, 115 Lb. Tie Plate Relay ARA-A And ARAE	14.72	1.93
34 11 19 00-0021	EA	Railroad Work, 132 Lb. Tie Plate ARA-A And ARAE	30.71	1.93
34 11 19 00-0022	EA	Railroad Work, 132 Lb. Tie Plate Relay ARA-A And ARAE	16.80	1.93
34 11 26		**Ballasted Track Rail** *(34 11)*		
34 11 26 13		**Track Rail Ballast** *(34 11 26)*		
34 11 26 13-0001	TON	Railroad Work, Ballast	128.51	
34 11 33		**Track Cross Ties** *(34 11)*		
34 11 33 13		**Concrete Track Cross Ties** *(34 11 33)*		
34 11 33 13-0001	EA	Railroad Work 8'-6" Concrete Cross Tie	149.78	35.32
34 11 33 16		**Timber Track Cross Ties** *(34 11 33)*		
34 11 33 16-0001	EA	Railroad Work 8'-6" Wood Cross Tie	150.62	35.32
34 11 33 16-0002	BF	Railroad Work, Wood Switch Ties	8.65	1.44
34 11 36		**Track Rail Fasteners** *(34 11)*		
34 11 36 13		**Direct-Fixation Fasteners** *(34 11 36)*		
34 11 36 13-0001		Track Rail Fasteners *(34 11 36 13)*		
34 11 36 13-0002	EA	Railroad Work, 5" Tie Plugs	3.07	1.44
34 11 36 13-0003	EA	Railroad Work 1" Track Bolts And Nuts	9.93	1.44
34 11 36 13-0004	EA	Railroad Work 1" Track Lock Washers	2.82	0.87
34 11 36 13-0005	EA	Railroad Work, 6" Track Spikes	14.08	4.34
34 11 36 13-0006	EA	Railroad Work, Rail Anchors	13.76	4.34
34 11 36 13-0007	EA	Railroad Work, Gauge Rods	96.54	10.60
34 11 36 13-0008	PR	Railroad Work, Compromise Splice Bar	846.93	17.34
34 11 93		**Track Appurtenances and Accessories** *(34 11)*		
34 11 93 00-0001		Track Accessories *(34 11 93)*		
34 11 93 00-0002	EA	Railroad Bumpers, Standard	6,538.43	1,118.38
34 11 93 00-0003	EA	Railroad Bumpers, Heavy-Duty	10,382.45	1,118.38
34 11 93 00-0004	PR	Railroad Car Wheel Stops	1,820.54	159.73
34 11 93 00-0005	EA	Hand Throw Derailer With Standard Timbers, Sliding	3,338.86	406.43
34 11 93 00-0006	LF	Crushed Stone Ballast, Railroad Work	40.09	
34 11 93 00-0007		Railroad Crossings *(34 11 93)*		
34 11 93 00-0008		Asphalt Railroad Crossings *(34 11 93 00-0007)* Note: Based on 8" thickness x 20' including track and approach.		
34 11 93 00-0009	EA	8" Asphalt Railroad Crossing, 12' Roadway 6 CY	2,238.00	403.06
34 11 93 00-0010	EA	8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY	2,614.34	456.80
34 11 93 00-0011	EA	8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY	3,077.88	537.40
34 11 93 00-0012	EA	8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY	3,664.25	644.88
34 11 93 00-0013	EA	8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY	4,465.56	806.10
34 11 93 00-0014		Railroad Crossings - Precast Concrete Inserts *(34 11 93 00-0007)* Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0015	EA	Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge	5,647.32	178.54
34 11 93 00-0016	EA	Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge	7,059.16	216.79
34 11 93 00-0017	EA	Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge	8,464.67	267.80
34 11 93 00-0018	EA	Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge	9,871.79	306.06
34 11 93 00-0019	EA	Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge	11,277.89	357.07
34 11 93 00-0020		Molded Rubber Railroad Crossings With Headers *(34 11 93 00-0007)* Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0021	EA	Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers	3,596.39	178.54
34 11 93 00-0022	EA	Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers	4,272.66	216.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 11 93 00-0023	EA	Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers	4,942.59	267.80
34 11 93 00-0024	EA	Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers	5,614.14	306.06
34 11 93 00-0025	EA	Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers	6,284.67	357.07
34 11 93 00-0026		Rehabilitation Of Existing Crossings *(34 11 93)*		
		Note: Includes removal, reworking and reinstallation of crossing members, subgrade, ballast, ties and rails.		
34 11 93 00-0027	EA	Maintenance Of Existing Railroad Crossing Members, Subgrade, Ballast, Ties	21,237.03	
34 11 93 00-0028		Railroad Trackage Demolition *(34 11 93)*		
34 11 93 00-0029	CY	Removal Of Railroad Track Ballast	10.41	
34 11 93 00-0030	LF	Removal Of Railroad Track Rail And Spikes	26.00	
34 11 93 00-0031	EA	Removal And Disposal Of Concrete Post Footings	157.29	
34 11 93 00-0032	EA	Backfill Holes From Post Removal	65.56	

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001		Traffic Signals *(34 41 13)*		
34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	8,169.80	779.84
34 41 13 00-0003		Traffic Detector Induction Loop *(34 41 13)*		
34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop	421.33	
		Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop	525.34	
		Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop	594.50	
		Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop	513.59	
		Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop	891.21	
		Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop	1,093.59	
		Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop	1,165.56	
		Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop	1,458.11	
		Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop	1,563.28	
		Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop	1,664.79	
		Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop	1,793.23	
		Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector	8.83	
		Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.		
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector	3.96	
		Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.		
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	286.17	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	831.06	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	511.35	
34 41 13 00-0020		Overhead Traffic Signals *(34 41 13)*		
34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section	574.59	165.71
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections	946.99	233.96
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections	1,342.29	285.94
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	1,270.07	285.94
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,720.25	318.44
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections	2,072.21	337.93
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	2,211.84	337.93
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section	538.47	165.71
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections	874.77	233.96
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections	1,166.54	285.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	1,255.62	285.94
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,566.17	318.44
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,515.61	318.44
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,807.38	337.93
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,920.54	337.93
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,834.94	285.94
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,725.69	318.44
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	4,888.98	337.93
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	5,310.30	337.93
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly	563.29	129.97
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly	986.95	259.95
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly	344.22	97.48
34 41 13 00-0043	EA	Pedestrian Signal Head	1,039.94	194.96
34 41 13 00-0044	EA	Pedestrian Signal Insert	649.98	97.48
34 41 13 00-0045	EA	Audible Pedestrian Signal	1,437.37	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted	600.36	
34 41 13 00-0047	EA	Pedestrian Push Button	526.39	
34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic	4,447.15	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	4,631.98	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted	4,910.58	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	5,214.22	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted	5,613.88	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted	5,923.82	
34 41 13 00-0054	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	8,393.64	
34 41 13 00-0055	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	9,807.39	
34 41 13 00-0056	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	4,648.44	
34 41 13 00-0057	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	5,194.29	
34 41 13 00-0058	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	5,403.53	
34 41 13 00-0059	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,403.53	
34 41 13 00-0060	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,513.38	
34 41 13 00-0061	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,062.66	
34 41 13 00-0062	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,188.97	
34 41 13 00-0063	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	6,447.96	
34 41 13 00-0064	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	6,855.86	
34 41 13 00-0065	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	4,969.55	
34 41 13 00-0066	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	8,966.78	
34 41 13 00-0067	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	10,113.06	
34 41 13 00-0068	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	10,552.47	
34 41 13 00-0069	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	10,552.47	
34 41 13 00-0070	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	11,936.60	
34 41 13 00-0071	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	12,467.21	
34 41 13 00-0072	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	13,024.30	
34 41 13 00-0073	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	13,901.77	
34 41 13 00-0074	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	10,429.71	
34 41 13 00-0075	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	11,767.04	
34 41 13 00-0076	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	12,279.70	
34 41 13 00-0077	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	12,279.70	
34 41 13 00-0078	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	13,894.51	
34 41 13 00-0079	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	14,513.54	
34 41 13 00-0080	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	15,163.50	
34 41 13 00-0081	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	16,187.19	
34 41 13 00-0082	EA	15' Steel Straight Mast Arm, MONOTUBE	3,297.71	
34 41 13 00-0083	EA	20' Steel Straight Mast Arm, MONOTUBE	3,459.40	
34 41 13 00-0084	EA	25' Steel Straight Mast Arm, MONOTUBE	3,714.96	
34 41 13 00-0085	EA	30' Steel Straight Mast Arm, MONOTUBE	5,093.15	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0086	EA	35' Steel Straight Mast Arm, MONOTUBE	6,166.99	
34 41 13 00-0087	EA	40' Steel Straight Mast Arm, MONOTUBE	6,631.18	
34 41 13 00-0088	EA	45' Steel Straight Mast Arm, MONOTUBE	7,277.39	
34 41 13 00-0089	EA	50' Steel Straight Mast Arm, MONOTUBE	8,263.45	
34 41 13 00-0090	EA	55' Steel Straight Mast Arm, MONOTUBE	9,380.79	
34 41 13 00-0091	EA	60' Steel Straight Mast Arm, MONOTUBE	10,080.22	
34 41 13 00-0092	EA	65' Steel Straight Mast Arm, MONOTUBE	11,707.41	
34 41 13 00-0093	EA	4' Steel Curved Luminaire Mast Arm	1,115.90	
		For High Rise Arm, Add	*102.07*	
34 41 13 00-0094	EA	6' Steel Curved Luminaire Mast Arm	1,455.64	
		For High Rise Arm, Add	*136.46*	
34 41 13 00-0095	EA	8' Steel Curved Luminaire Mast Arm	1,821.37	
		For High Rise Arm, Add	*170.85*	
34 41 13 00-0096	EA	10' Steel Curved Luminaire Mast Arm	2,453.46	
		For High Rise Arm, Add	*200.87*	
34 41 13 00-0097	EA	12' Steel Curved Luminaire Mast Arm	2,729.59	
		For High Rise Arm, Add	*236.90*	
34 41 13 00-0098	EA	15' Steel Curved Luminaire Mast Arm	2,875.59	
		For High Rise Arm, Add	*264.19*	
34 41 13 00-0099	EA	18' Steel Curved Luminaire Mast Arm	3,082.57	
		For High Rise Arm, Add	*289.85*	
34 41 13 00-0100	EA	15' Tubular Aluminum Post	1,169.20	
34 41 13 00-0101	EA	17' Tubular Aluminum Post	1,240.38	
34 41 13 00-0102	EA	20' Tubular Aluminum Post	1,374.27	
34 41 13 00-0103	EA	20' Steel Curved Luminaire Mast Arm	3,288.36	
		For High Rise Arm, Add	*315.50*	
34 41 13 00-0104	EA	CUT-OFF POLE AND CAPPED	182.76	
34 41 13 00-0105	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	55.52	
34 41 13 00-0106	EA	PAINT EXISTING TS POST COMPLETE	258.96	
34 41 13 00-0107	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	6,615.43	
34 41 13 00-0108	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	6,820.07	
34 41 13 00-0109	EA	Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100	62,710.18	
34 41 13 00-0110	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,217.14	225.60
34 41 13 00-0111	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,337.51	225.60
34 41 13 00-0112	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,732.34	225.60
34 41 13 00-0113	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,217.14	225.60
34 41 13 00-0114	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,337.51	225.60
34 41 13 00-0115	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,732.34	225.60
34 41 13 00-0116	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	1,217.14	225.60
34 41 13 00-0117	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	1,337.51	225.60
34 41 13 00-0118	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	1,732.34	225.60
34 41 13 00-0119	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,217.14	225.60
34 41 13 00-0120	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,337.51	225.60
34 41 13 00-0121	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,732.34	225.60
34 41 13 00-0122	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	1,217.14	225.60
34 41 13 00-0123	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	1,337.51	225.60
34 41 13 00-0124	EA	Optical Detector For Signal Top Mounting, 2 Channel	1,732.34	225.60
34 41 13 00-0125	EA	2 Channel Phase Selector	4,088.96	
34 41 13 00-0126	EA	4 Channel Phase Selector	6,364.05	
34 41 13 00-0127	EA	Malfunction Management Unit For Use With NEMA Controller	2,038.80	
34 41 13 00-0128	EA	Time Switch, 1-Circuit	317.56	33.84
34 41 13 00-0129	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	408.58	14.10
34 41 13 00-0130	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	536.18	14.10
34 41 13 00-0131	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	764.90	14.10
34 41 13 00-0132	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	962.31	14.10
34 41 13 00-0133	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet	2,623.48	14.10
34 41 13 00-0134	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	2,623.48	14.10
34 41 13 00-0135	EA	Power Line Surge Protector	239.35	8.46
34 41 13 00-0136	EA	Loop Detector Surge Protector	120.08	8.46
34 41 13 00-0137	EA	1 Channel Loop Detector Amplifier	1,908.56	
34 41 13 00-0138	EA	4 Channel Loop Detector Amplifier	3,646.29	
34 41 13 00-0139	LF	Loop Detector	8.08	
		Note: Includes saw cutting, sealing and splicing into leads in street.		
34 41 13 00-0140	LF	Detector Loop Cable (Lead Wire)	7.96	
34 41 13 00-0141	LF	Detector Loop Cable, Loop Type B	7.78	
34 41 13 00-0142	EA	FLASHING BEACON WITH DOWNLIGHT	2,562.90	
34 41 13 00-0143	EA	Flashing Beacon, Bracket Mounted	811.99	
34 41 13 00-0144	EA	Flashing Beacon, Mast Arm Mounted	811.99	
34 41 13 00-0145	EA	Flashing Beacon, Solar Powered, Bracket Mounted	23,643.54	
34 41 13 00-0146	EA	7-WIRE MASTER INTERCONNECT	1,704.75	
34 41 13 00-0147	EA	7-WIRE SLAVE INTERCONNECT	1,631.97	
34 41 13 00-0148	EA	Service Equipment Enclosure, Type III-AF	1,509.37	
34 41 13 00-0149	EA	12", 3 Section Signal, Mast Arm Mounted	1,622.85	
34 41 13 00-0150	EA	8", 3 Section Signal, Mast Arm Mounted	1,445.94	
34 41 13 00-0151	EA	12" FCV Visor	105.57	
34 41 13 00-0152	EA	8" FCV Visor	73.46	
34 41 13 00-0153	EA	Eggcrate Visor	101.59	
34 41 13 00-0154	EA	Pedestrian H/M	1,111.20	
34 41 13 00-0155	EA	Pedestrian Audio	1,229.48	
34 41 13 00-0156	EA	Adjustable Pushbutton	288.52	
34 41 13 00-0157	EA	ADA Cap And Switch	376.89	
34 41 13 00-0158	EA	3 Section 12" Backplate	169.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0159	EA	3 Section 12" MAS Mount Backplate	248.94	
34 41 13 00-0160	EA	3 Section 8" Backplate	135.38	
34 41 13 00-0161	EA	12" Red LED Lenses	289.31	
34 41 13 00-0162	EA	12" Amber LED Lenses	311.40	
34 41 13 00-0163	EA	12" Green LED Lenses	553.78	
34 41 13 00-0164	EA	12" Red Arrow	287.53	
34 41 13 00-0165	EA	12" Amber Arrow	271.35	
34 41 13 00-0166	EA	12" Green Arrow	413.12	
34 41 13 00-0167	EA	8" Red	284.26	
34 41 13 00-0168	EA	8" Amber	272.30	
34 41 13 00-0169	EA	8" Green	331.27	
34 41 13 00-0170	EA	Hand/Man	502.77	
34 41 13 00-0171	EA	Frameworks, 8" TV-1-T	612.29	
34 41 13 00-0172	EA	Frameworks, 8" TV-2-T	698.12	
34 41 13 00-0173	EA	Frameworks, MAT MT	180.26	
34 41 13 00-0174	EA	Frameworks, MAS MT	197.42	
34 41 13 00-0175	EA	Frameworks, 3W PT TC	420.83	
34 41 13 00-0176	EA	Frameworks, 2W PT TC	396.13	
34 41 13 00-0177	EA	Frameworks, 2W SM TC	373.24	
34 41 13 00-0178	EA	Frameworks, SV-1	246.08	
34 41 13 00-0179	EA	Frameworks, TV-1	237.50	
34 41 13 00-0180	EA	Type III Service Pedestal	4,901.87	
34 41 13 00-0181	EA	Single Fuse Holder	43.91	
34 41 13 00-0182	EA	Double Fuse Holder	115.97	
34 41 13 00-0183	EA	Pullbox, 1-1/2" x 20" x 14"	100.00	
34 41 13 00-0184	EA	Pullbox, 5" x 28" x 18"	137.01	
34 41 13 00-0185	EA	Pullbox, 6" x 36" x 23"	179.01	
34 41 13 00-0186	EA	Pullbox Lids, FL9D	115.18	
34 41 13 00-0187	EA	Pullbox Lids, FL30D	217.28	
34 41 13 00-0188	EA	Pullbox Lids, FL36D	60.06	
34 41 13 00-0189	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	2,046.30	103.05
34 41 13 00-0190	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	5,833.14	618.31
34 41 13 00-0191	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	21,199.88	412.20
34 41 13 00-0192	EA	Power Control Unit With Enclosure (A/C)	13,539.21	412.20
34 41 13 00-0193	EA	Push Button Assembly With Sign	1,127.41	206.10
34 41 13 00-0194	EA	Advanced Warning Signs	2,303.53	206.10
34 41 13 00-0195	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	7,387.74	
34 41 13 00-0196	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm	8,961.60	
34 41 13 00-0197	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	6,558.30	
34 41 13 00-0198	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	5,303.76	
34 41 13 00-0199	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	26,531.89	
34 41 13 00-0200	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	30,550.40	
34 41 13 00-0201	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	4,373.38	
34 41 13 00-0202	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	2,341.21	
34 41 13 00-0203	EA	Smart Sensor HD (Wavetronix HD125)	12,530.14	
34 41 13 00-0204	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,785.38	
34 41 13 00-0205	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	10,018.99	
34 41 13 00-0206	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	346.97	
34 41 13 00-0207	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	2,649.87	
34 41 13 00-0208	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	1,172.98	
34 41 13 00-0209	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,923.10	
34 41 13 00-0210	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	7,886.33	1.64
34 41 13 00-0211	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 And 26-4-80 Poles	10,314.81	1.64
34 41 13 00-0212	EA	Pole Base Foundation for Type 15 and 21 Poles	6,158.83	1.64
34 41 13 00-0213	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,886.33	1.64
34 41 13 00-0214	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	10,314.81	1.64
34 41 13 00-0215	EA	Controller Cabinet (Econolite Type "O")	35,798.03	
34 41 13 00-0216	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	15,389.65	
34 41 13 00-0217	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	16,761.93	
34 41 13 00-0218	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	18,411.06	
34 41 13 00-0219	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	18,916.64	
34 41 13 00-0220	EA	Speed Limit Beacon Control Cabinet	7,578.43	
34 41 13 00-0221	EA	Remote Detector Cabinet	3,846.80	
34 41 13 00-0222	EA	Traffic Signal Hand Control	1,102.57	
34 41 13 00-0223	EA	Extra Pedestrian Detector Isolation Assembly	861.83	
34 41 13 00-0224	EA	Fiber Optic Transceivers-Repeater Module	1,560.08	
34 41 13 00-0225	EA	Field Transceiver-Repeater	836.47	
34 41 13 00-0226	EA	Load Switch	110.81	
34 41 13 00-0227	EA	30" Pedestal With Base Plate And Cover	964.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0228	EA	8' Pedestal With Base Plate And Cover	1,426.70	
34 41 13 00-0229	EA	11' Pedestal With Base Plate And Cover	1,588.69	
34 41 13 00-0230	EA	15' Pedestal With Base Plate And Cover	1,762.31	
34 41 13 00-0231	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.62	
34 41 13 00-0232	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.72	
34 41 13 00-0233	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.09	
34 41 13 00-0234	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.47	
34 41 13 00-0235	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.84	
34 41 13 00-0236	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.53	
34 41 13 00-0237	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.19	
34 41 13 00-0238	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.50	
34 41 13 00-0239	LF	3/16" Diameter Messenger Cable	0.77	0.12
34 41 13 00-0240	LF	1/4" Diameter Messenger Cable	0.92	0.12
34 41 13 00-0241	LF	3/8" Diameter Messenger Cable	1.70	0.12
34 41 13 00-0242	LF	1/2" Diameter Messenger Cable	3.55	0.24
34 41 13 00-0243	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	3,035.43	
34 41 13 00-0244	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	4,788.18	
34 41 13 00-0245	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	3,023.69	259.95
34 41 13 00-0246	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	3,731.47	324.93
34 41 13 00-0247	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	4,054.04	389.92
34 41 13 00-0248	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	4,569.22	454.90
34 41 13 00-0249	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	4,891.79	519.89
34 41 13 00-0250	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	4,843.76	259.95
34 41 13 00-0251	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	5,965.63	324.93
34 41 13 00-0252	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	6,423.02	389.92
34 41 13 00-0253	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	7,169.32	454.90
34 41 13 00-0254	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	7,684.49	519.89
34 41 13 00-0255	EA	Photoelectric Controller, Multi-Volt	94.77	29.33
34 41 13 00-0256	EA	Photoelectric Controller, 120 Volt	95.26	29.33
34 41 13 00-0257	EA	Photoelectric Controller, 480 Volt	95.26	29.33
34 41 13 00-0258	EA	Wi-Fi Communication Unit	1,581.67	129.97
34 41 13 00-0259	EA	Wi-Fi Communication Unit Mounting Bracket	315.34	97.48
34 41 13 00-0260	EA	Wi-Fi Communication Unit Power Supply / POE Injector	296.09	64.98
34 41 13 00-0261	EA	Wi-Fi Communication Unit Packet	2,193.09	194.96
34 41 13 00-0262	LF	Preemptor Detector Cable	1.65	
34 41 13 00-0263	EA	Sno-Shoe Cable Storage Assembly	278.28	

34 41 13 00-0264 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0265	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.25	0.91
34 41 13 00-0266	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.57	0.97
34 41 13 00-0267	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.87	1.04
34 41 13 00-0268	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.17	1.10
34 41 13 00-0269	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.52	1.17
34 41 13 00-0270	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.17	1.30
34 41 13 00-0271	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	4.92	1.49
34 41 13 00-0272	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.68	1.69
34 41 13 00-0273	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	6.84	1.88
34 41 13 00-0274	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.26	2.07
34 41 13 00-0275	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.36	0.91
34 41 13 00-0276	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.72	0.97
34 41 13 00-0277	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.07	1.04
34 41 13 00-0278	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.41	1.10
34 41 13 00-0279	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.82	1.17
34 41 13 00-0280	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.56	1.30
34 41 13 00-0281	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.40	1.49
34 41 13 00-0282	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	6.26	1.69
34 41 13 00-0283	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.61	1.88
34 41 13 00-0284	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	9.28	2.07
34 41 13 00-0285	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.62	0.91
34 41 13 00-0286	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	3.10	0.97
34 41 13 00-0287	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.55	1.04
34 41 13 00-0288	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.98	1.10
34 41 13 00-0289	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.54	1.17
34 41 13 00-0290	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.50	1.30
34 41 13 00-0291	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.56	1.49
34 41 13 00-0292	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	7.64	1.69
34 41 13 00-0293	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.46	1.88
34 41 13 00-0294	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	11.75	2.07

34 41 13 00-0295 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0296	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,337.01	193.55
34 41 13 00-0297	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,382.74	193.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0298	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,159.25	193.55
34 41 13 00-0299	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,305.61	193.55
34 41 13 00-0300	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,486.97	193.55
34 41 13 00-0301	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	14,060.55	193.55

34 41 13 00-0302 Traffic Light Control Synchronization *(34 41 13)*

34 41 13 00-0303	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	5,474.11	
34 41 13 00-0304	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	4,060.18	
34 41 13 00-0305	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	9,144.63	
34 41 13 00-0306	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,316.27	
34 41 13 00-0307	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,316.27	
34 41 13 00-0308	EA	Solar Cabinet Assembly	16,795.44	
34 41 13 00-0309	EA	Data Controller Interface Cable Assembly	646.95	
34 41 13 00-0310	EA	900 MHZ Splitter	798.56	
34 41 13 00-0311	EA	900 MHz Surge Suppressor	290.44	
34 41 13 00-0312	EA	Surge-Radio Lead in Cable	182.93	
34 41 13 00-0313	EA	12DB GAIN YAGI Antenna	791.27	
34 41 13 00-0314	EA	PELCO Antenna Mounting Bracket	512.24	
34 41 13 00-0315	MLF	Coaxial Cable, LMR-400	4,423.27	
34 41 13 00-0316	EA	Perle 16 Port Serial Server	4,336.14	
34 41 13 00-0317	EA	Serial to Ethernet Card	2,412.44	
34 41 13 00-0318	EA	404 Stand-Alone Modem (GDI 404)	2,234.55	

34 41 13 00-0319 Traffic Signal Controls *(34 41 13)*

34 41 13 00-0320	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,883.92	
34 41 13 00-0321	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	820.28	
34 41 13 00-0322	EA	Access Box for contract closure master card (CC-ACC)	287.00	
34 41 13 00-0323	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	1,101.40	
34 41 13 00-0324	EA	Flush Mount Wireless Sensor (Speed And Count VSN240-F)	1,101.40	
34 41 13 00-0325	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	168.99	
34 41 13 00-0326	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	470.81	

34 41 13 00-0327 Traffic Signal Devices *(34 41 13)*

34 41 13 00-0328	EA	12" Polycarbonate Signal Head Housing (McCain)	1,009.54	92.74
34 41 13 00-0329	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	504.79	72.14
34 41 13 00-0330	EA	Pedestrian Push Button Cap And Switch (McCain M31334)	350.33	133.97
34 41 13 00-0331	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	474.00	195.79
34 41 13 00-0332	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	362.71	154.57
34 41 13 00-0333	EA	16 Channel Conflict Monitor (McCain 2010 ECLip)	1,545.14	66.98
34 41 13 00-0334	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	313.15	25.76
34 41 13 00-0335	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr)	3,512.57	113.36
34 41 13 00-0336	EA	Camera processor card (Iteris Edge Connect)	8,055.14	164.88
34 41 13 00-0337	EA	Wireless Broadband Radio (Encom BB58)	7,607.05	154.57
34 41 13 00-0338	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	5,016.45	123.66
34 41 13 00-0339	EA	Power Adapter (Mean Well DR-120-48)	163.01	38.65
34 41 13 00-0340	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452)	0.91	
34 41 13 00-0341	EA	Radar Detection System (Wavetronix Matrix)	14,441.89	391.60
34 41 13 00-0342	EA	Pedestrian Audio Push Button (Polara APS)	401.35	97.90
34 41 13 00-0343	EA	Opticom Infrared System - Detector (GTT 711)	1,102.64	91.92
34 41 13 00-0344	EA	Opticom Infrared System - Detector (GTT 721)	1,233.68	102.84
34 41 13 00-0345	EA	Opticom Infrared System - Detector (GTT 722)	1,718.25	143.24
34 41 13 00-0346	EA	Opticom Multimode Phase Selector (GTT 764)	5,836.84	84.75
34 41 13 00-0347	LF	Opticom GPS Installation Cable (GTT 1070)	1.09	
34 41 13 00-0348	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	961.08	
34 41 13 00-0349	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	1,019.53	
34 41 13 00-0350	EA	UPS Module (Alpha Technologies FXM 350) Note: For battery backup in traffic signal control cabinet	1,571.23	56.40
34 41 13 00-0351	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual) Note: To control flashing "School" signs	484.06	46.38
34 41 13 00-0352	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	11.09	0.47
34 41 13 00-0353	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.60	0.41
34 41 13 00-0354	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA)	134.97	46.38
34 41 13 00-0355	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA)	134.97	46.38
34 41 13 00-0356	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	134.97	46.38
34 41 13 00-0357	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	134.97	46.38
34 41 13 00-0358	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	134.97	46.38
34 41 13 00-0359	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	134.97	46.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0360	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	403.87	118.51
34 41 13 00-0361	EA	EOC Switch (Actellis ML688)	5,688.02	366.60
34 41 13 00-0362	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	1,537.49	84.60
34 41 13 00-0363	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	123.18	24.97
34 41 13 00-0364	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	446.98	36.15
34 41 13 00-0365	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	153.90	24.97
34 41 13 00-0366	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	542.06	36.15
34 41 13 00-0367	EA	Battery Back-up (Alpha FXM110 UPS)	3,730.14	112.80
34 41 13 00-0368	EA	Battery (Alpha AlphaCell 220GXL)	523.66	28.20
34 41 13 00-0369	EA	BBS Cabinet (Alpha SE48-1616)	4,245.76	253.80
34 41 13 00-0370	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	5.81	2.20
34 41 13 00-0371	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	2.55	1.01
34 41 13 00-0372	EA	FDU And Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	1,316.99	84.60
34 41 13 00-0373	EA	12" THREE SECTION HOUSING (McCain M22435)	907.16	56.40
34 41 13 00-0374	EA	12" FOUR SECTION HOUSING (McCain M30883)	1,162.15	84.60
34 41 13 00-0375	EA	12" FIVE SECTION HOUSING (McCain M31769)	1,360.74	84.60
34 41 13 00-0376	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	1,460.04	84.60
34 41 13 00-0377	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	907.16	56.40
34 41 13 00-0378	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B)	907.16	56.40
34 41 13 00-0379	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	5,359.55	197.40
34 41 13 00-0380	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C)	254.99	28.20
34 41 13 00-0381	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C)	254.99	28.20
34 41 13 00-0382	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C)	581.08	42.30
34 41 13 00-0383	EA	12" Visor (McCain M19302)	42.42	11.28
34 41 13 00-0384	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	481.78	42.30
34 41 13 00-0385	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	807.86	56.40
34 41 13 00-0386	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,509.68	84.60
34 41 13 00-0387	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	807.86	56.40
34 41 13 00-0388	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	155.70	28.20
34 41 13 00-0389	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	481.78	42.30
34 41 13 00-0390	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	907.16	56.40
34 41 13 00-0391	EA	242L ISOLATOR, EDI (McCain M56812)	155.70	28.20
34 41 13 00-0392	EA	EDI 222 DETECTOR (McCain M11407)	205.34	28.20
34 41 13 00-0393	EA	ALPHA BBS, INVERTER AND BYPASS SWITCH (McCain M59763)	3,658.03	141.00
34 41 13 00-0394	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	589.42	56.40
34 41 13 00-0395	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	807.86	56.40
34 41 13 00-0396	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A)	1,708.27	84.60

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	11,711.66	898.37
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	11,815.16	950.10
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	14,520.91	961.28
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	17,246.91	1,167.16
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	14,415.73	575.78
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	15,987.77	630.37
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	26,363.39	991.05
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	28,033.45	1,098.27
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	40,315.09	1,234.74
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	31,815.41	1,169.76
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	875.08	137.38
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	772.24	206.26
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	313.30	156.64
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	586.27	272.03
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	13,440.95	352.74
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	32,717.75	529.27
34 41 16 00-0018	EA	PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,129.49	14.69
34 41 16 00-0019	EA	Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU)	639.20	14.69

34 41 16 00-0020 Transportation Cabinets *(34 41 16)*

34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0020)*

34 41 16 00-0022	EA	50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,912.49	169.20
34 41 16 00-0023	EA	66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	12,668.10	169.20
34 41 16 00-0024	EA	46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	2,717.82	169.20
34 41 16 00-0025	EA	50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,912.49	169.20
34 41 16 00-0026	EA	60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	13,100.72	169.20
34 41 16 00-0027	EA	55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,852.57	169.20

34 41 16 00-0028 Transportation Cabinets (APX Enclosures) *(34 41 16 00-0020)*

34 41 16 00-0029	EA	28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017) Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	7,195.55	197.40

34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) *(34 41 16 00-0020)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0031	EA	30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,742.59	169.20
34 41 16 00-0032	EA	30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,432.98	180.48
34 41 16 00-0033		**Transportation Cabinets (McCain)** *(34 41 16 00-0020)*		
34 41 16 00-0034	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	13,194.20	197.40
34 41 16 00-0035	EA	24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	13,194.20	197.40
34 41 16 00-0036	EA	ATC ColdFire Controller (McCain 170)	6,706.45	
34 41 16 00-0037		**Traffic Control Equipment** *(34 41 16)*		
34 41 16 00-0038	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	314.93	56.40
34 41 16 00-0039	EA	ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	424.45	56.40
34 41 16 00-0040	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	494.02	56.40
34 41 16 00-0041	EA	ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	375.75	56.40
34 41 16 00-0042	MLF	10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	2,922.70	618.31
34 41 16 00-0043	EA	Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	123.18	28.20
34 41 16 00-0044	EA	Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	596.52	64.51
34 41 16 00-0045	EA	Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	3,191.99	193.55
34 41 16 00-0046	EA	Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	579.53	28.20
34 41 16 00-0047	EA	Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	835.54	28.20
34 41 16 00-0048	EA	4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	947.59	56.40
34 41 16 00-0049	EA	Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix SmartSensor (Wavetronix WX-SS-B01-0005)	4,253.36	56.40
34 41 16 00-0050	EA	50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	387.10	193.55
34 41 16 00-0051	EA	60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	597.65	48.39
34 41 16 00-0052	EA	900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	507.48	64.51
34 41 16 00-0053	EA	900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	307.13	64.51
34 41 16 00-0054	EA	Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	356.92	28.20
34 41 16 00-0055	EA	24 Volt DC 2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-202)	434.84	28.20
34 41 16 00-0056	EA	Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	189.97	28.20
34 41 16 00-0057	EA	Power, RS232/RS485 Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-200)	590.67	28.20
34 41 16 00-0058	EA	Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	668.58	28.20
34 41 16 00-0059	EA	RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	835.54	28.20
34 41 16 00-0060	EA	Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	56.40	28.20
34 41 16 00-0061	EA	Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	518.61	64.51
34 41 16 00-0062	MLF	LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,479.23	618.31
34 41 16 00-0063	EA	N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	58.33	16.92
34 41 16 00-0064	EA	Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,075.47	67.68
34 41 16 00-0065	EA	Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco ld53hdpb-1)	1,035.04	84.60
34 41 16 00-0066	EA	24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	209.08	28.20
34 41 16 00-0067	EA	10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	151.10	28.20
34 41 16 00-0068	EA	24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	563.19	28.20
34 41 16 00-0069	EA	Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	225.47	28.20
34 41 16 00-0070	EA	120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	81.73	28.20
34 41 16 00-0071	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009) Note: Input/Output for sign peripherals.	780.63	56.40
34 41 16 00-0072	EA	Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009) Note: Input/Output for sign peripherals.	780.63	56.40
34 41 16 00-0073	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0005) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,504.12	56.40
34 41 16 00-0074	EA	Control Area Network Distribution Board (Daktronics 0P-1248-0011) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,504.12	56.40
34 41 16 00-0075	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) Note: Measures temperature and detects light and reports to CAN Distribution Board.	491.24	56.40
34 41 16 00-0076	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.	713.85	56.40
34 41 16 00-0077	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.	713.85	56.40
34 41 16 00-0078	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) Note: Measures temperature and detects light and reports to CAN Distribution board.	580.28	56.40
34 41 16 00-0079	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	10,468.67	225.60
34 41 16 00-0080	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Distribution Board, providing power redundancy.	434.84	28.20
34 41 16 00-0081	EA	Driver (Daktronics 0P-1100-0026) Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	824.85	45.12
34 41 16 00-0082	EA	External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	724.68	45.12
34 41 16 00-0083	EA	Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	813.72	45.12
34 41 16 00-0084	EA	Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	479.81	45.12
34 41 16 00-0085	EA	Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,504.12	56.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0086	EA	Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,893.68	56.40
34 41 16 00-0087	EA	Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,671.07	56.40
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,338.90	56.40
34 41 16 00-0089	EA	Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,893.68	56.40
34 41 16 00-0090	EA	Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,893.68	56.40
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,003.24	56.40
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,003.24	56.40
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,003.24	56.40
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,003.24	56.40
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,504.12	56.40
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,504.12	56.40
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,504.12	56.40
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	502.37	56.40
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	591.41	56.40
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,782.38	56.40
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,782.38	56.40
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	669.33	56.40
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	268.03	33.84
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	568.55	33.84
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	568.55	33.84
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	846.82	33.84
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,437.33	56.40
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,949.34	56.40
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R)	1,281.51	56.40
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000)	836.28	56.40
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075)	302.02	56.40
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028)	10,468.67	225.60
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015)	713.85	56.40
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053)	112.05	28.20
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792)	145.44	28.20
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF)	947.59	56.40
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF)	947.59	56.40
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R)	1,240.61	56.50
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E)	1,240.61	56.50
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E)	6,793.34	56.50
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E)	1,608.25	56.50
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261)	212.38	28.20
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E)	757.44	56.50
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD)	2,006.21	56.50
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4)	280.88	56.40
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B)	623.86	56.40
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750)	303.67	14.13
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B)	3,867.16	112.80
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1)	232.90	28.20
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM)	3,526.22	56.40
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM)	8,181.20	279.18
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB)	1,073.86	146.64
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30)	24.27	9.02
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS)	2,850.87	112.80
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60)	58.06	9.02
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820)	2,553.53	64.51
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810)	126.26	42.86
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469)	385.35	56.40
34 41 16 00-0139	EA	Single AC Inlet, 8 NEMA 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT)	718.28	14.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT H)	774.52	14.69
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027)	405.71	22.56
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E)	4,911.94	135.36
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC)	175.45	25.94
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	44.99	5.64
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC)	1,552.13	56.40
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	5,344.25	112.80
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	3,562.04	186.12
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	741.06	322.61
34 41 16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	516.07	225.60
34 41 16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260)	110.92	30.45
34 41 16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515)	85.12	20.31
34 41 16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	65.00	20.31
34 41 16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	65.00	20.31
34 41 16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	280.88	56.40
34 41 16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	332.08	28.25
34 41 16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	3,170.77	28.25
34 41 16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC)	617.54	14.69
34 41 16 00-0158	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version)	12,760.06	193.55
34 41 16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	468.54	64.51

34 41 23 Roadway Monitoring Equipment *(34 41)*

34 41 23 00-0001 Radar Speed Display Signs *(34 41 23)*

34 41 23 00-0002	EA	Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 250) Note: 12" Full Matrix (rounded) Characters for quick recognition.	6,154.65	
34 41 23 00-0003	EA	Pole Mounted Radar Speed Sign (RU2 Systems, Inc. Model 350) Note: 18" Full Matrix (rounded) Characters for quick recognition.	7,237.19	
34 41 23 00-0004	EA	Dolly Mounted Radar Speed Sign (RU2 Systems, Inc. Model 500) Note: 12" Amber AlInGaP LED display characters.	10,282.67	
34 41 23 00-0005	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 600) Note: 12" full graphic characters	12,918.40	
34 41 23 00-0006	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 750) Note: 18" Amber AlInGaP LED display characters	16,221.37	
34 41 23 00-0007	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 800) Note: 18" Amber AlInGaP LED full graphic display characters, on top. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.	16,977.21	
34 41 23 00-0008	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 950) Note: 18" Amber AlInGaP LED full graphic display characters. 18" x 24" MUTCD R2-1 speed sign / 5-65 MPH overlays.	20,562.58	
34 41 23 00-0009	EA	Trailer Mounted Radar Speed Sign (RU2 Systems, Inc. Model 1000) Note: Up to 30" Amber AlInGaP LED digits.	23,538.85	

34 41 33 In Roadway Warning Lights *(34 41)*

34 41 33 00-0001 In-Road Warning Light (IRWL) Pedestrian Safety System *(34 41 33)*

34 41 33 00-0002	EA	SC320 Controller: NEMA 3R Aluminum Pole Mount Cabinet (Spot Devices, Inc. #SC320036)	7,871.83	159.73
34 41 33 00-0003	EA	Spread Spectrum Local Wireless Activation (Spot Devices, Inc. #SC320026)	608.54	12.89
34 41 33 00-0004	EA	SC320AA: Passive Activation Bollard Pair, AC SC320 Controller (Spot Devices, Inc. #BA300000-D)	16,726.05	334.91
34 41 33 00-0005	EA	Whitney RS320 Road Spot: Amber Bidirectional (Spot Devices, Inc. #RS320701-D)	3,901.02	77.29
34 41 33 00-0006	EA	Polara Bulldog Pushbutton With LED And tone, R62E Sign With RIG (Spot Devices, Inc. #PB101131)	679.90	12.89
34 41 33 00-0007	EA	LED Enhanced Sign - 30" W11-2 Crosswalk Sign (Spot Devices, Inc. SL201011) Note: Excludes controller.	3,209.23	64.41
34 41 33 00-0008	EA	SB435: RRFB, Gen2, Large, With Single Pedestrian Signal (Spot Devices, Inc. SB110015) Note: Includes mounts.	1,968.36	38.65
34 41 33 00-0009	EA	Sign, W11-2 Crosswalk, 30", FYG With Mount (Spot Devices, Inc. #SG101102)	360.37	7.73
34 41 33 00-0010	EA	Sign, W16-7p Left Down Arrow, 12", FYG With Mount (Spot Devices, Inc. #SG101103)	124.09	2.58
34 41 33 00-0011	EA	RS300: Interconnect 16/4 Dual Plug Cable, 7 ft. (Spot Devices, Inc. #RS301624)	135.98	2.58
34 41 33 00-0012	EA	RSV3 Installation Kit (Spot Devices, Inc. #RS308977)	186.13	3.86
34 41 33 00-0013	EA	RS300: Female-to-Female Interconnect 16/4 Dual Plug Cable, 25' (Spot Devices, Inc. #RS301644)	322.12	6.44
34 41 33 00-0014	EA	RS300: Interconnect 16/4 Dual Plug Cable, 7' Length (Spot Devices, Inc. #RS301624)	135.98	2.58
34 41 33 00-0015	EA	RS300: Lead-in Cable, 12/4 Single Plug, 75' Length (Spot Devices, Inc. #RS301651)	472.56	10.31
34 41 33 00-0016	EA	RS300: Lead-in Cable, 12/4 Single Plug, 50' Length (Spot Devices, Inc. #RS301650)	396.05	7.73
34 41 33 00-0017	EA	Plug, Dummy Female (Spot Devices, Inc. #RS301603)	37.22	0.77
34 41 33 00-0018	EA	Liquid Conduit Polymeric Asphalt Formula (Spot Devices, Inc. #RS308931)	205.67	
34 41 33 00-0019	LF	Cable, Peripheral, 18/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202602)	2.48	
34 41 33 00-0020	LF	DC Interconnect Wire. 12/2 SO Burial, Unterminated (Spot Devices, Inc. #SC202603)	3.09	

34 43 Airfield Signaling and Control Equipment *(34 40)*

34 43 13 Airfield Signals and Lighting *(34 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 09		**Airport Rotating Beacons** *(34 43 13)*		
34 43 13 09-0001	EA	Rotating Beacon, 3 - 500 Watt Quartz Lamps	8,586.96	2,061.02
34 43 13 12		**Airport Obstruction Lights** *(34 43 13)*		
34 43 13 12-0001		Hazard Beacon Flashing Red, Two Lamps-620 Watts *(34 43 13 12)*		
34 43 13 12-0002	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 2 Wire Cable	4,192.09	206.10
34 43 13 12-0003	EA	Hazard Beacon Flashing Red, 2 - 620 Watt With 3 Wire Cable	4,679.81	206.10
34 43 13 12-0004	EA	Beacon Failure Alarm Relay Assembly	1,009.67	206.10
34 43 13 12-0005		Obstruction Marker Lights *(34 43 13 12)*		
34 43 13 12-0006	EA	Obstruction Marker Light, 1 - 69 Watt FAA Spec L-810	440.73	128.81
34 43 13 12-0007	EA	Obstruction Marker Light, 2 - 69 Watt FAA Spec L-810	717.07	154.57
34 43 13 12-0008	EA	Obstruction Marker Light, 1 - 116 Watt Mil Spec M16-6-7830B	606.55	128.81
34 43 13 12-0009	EA	Obstruction Marker Light, 2 - 116 Watt Mil Spec M16-6-7830B	992.64	154.57
34 43 13 12-0010	EA	Transfer Relay Assembly	1,451.06	206.10
34 43 13 12-0011		Solid State Flashers With Cast Aluminum Housing *(34 43 13 12)*		
34 43 13 12-0012	EA	Solid State Flashers, 1 Circuit, With Cast Aluminum Housing	15,044.02	206.10
34 43 13 12-0013	EA	Solid State Flashers, 2 Circuit Simultaneous Flash, With Cast Aluminum Housing	29,778.62	257.62
34 43 13 12-0014	EA	Solid State Flashers, 3 Circuit Simultaneous Flash, With Cast Aluminum Housing	44,514.06	309.15
34 43 13 12-0015	EA	Sequential Flasher	10,552.67	1,116.77
34 43 13 13		**Airfield Runway Identification Lights** *(34 43 13)*		
34 43 13 13-0001		Taxi Guidance Sign Internally Illuminated, 18" Letters *(34 43 13 13)*		
34 43 13 13-0002	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 18" Letter	2,982.52	206.10
		For LED, Add	*514.06*	
34 43 13 13-0003	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 18" Letter	4,860.63	257.62
		For LED, Add	*869.13*	
34 43 13 13-0004	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 18" Letter	6,666.42	309.15
		For LED, Add	*1,209.56*	
34 43 13 13-0005	EA	Taxi Guidance Sign 1 Face, 10' Wide Internally Illuminated, 18" Letter	8,272.01	309.15
		For LED, Add	*1,489.52*	
34 43 13 13-0006	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 18" Letter	3,432.79	309.15
		For LED, Add	*562.84*	
34 43 13 13-0007	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 18" Letter	5,554.11	360.67
		For LED, Add	*966.68*	
34 43 13 13-0008	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 18" Letter	7,603.82	412.20
		For LED, Add	*1,355.88*	
34 43 13 13-0009	EA	Taxi Guidance Sign 2 Face, 10' Wide Internally Illuminated, 18" Letter	9,452.90	515.26
		For LED, Add	*1,684.61*	
34 43 13 13-0010		Taxi Guidance Sign Internally Illuminated, 12" And 15" Letters *(34 43 13 13)*		
34 43 13 13-0011	EA	Taxi Guidance Sign 1 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,548.45	206.10
		For LED, Add	*427.25*	
34 43 13 13-0012	EA	Taxi Guidance Sign 1 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	3,962.86	206.10
		For LED, Add	*710.13*	
34 43 13 13-0013	EA	Taxi Guidance Sign 1 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	5,589.78	257.62
		For LED, Add	*1,014.96*	
34 43 13 13-0014	EA	Taxi Guidance Sign 1 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	7,041.97	309.15
		For LED, Add	*1,284.67*	
34 43 13 13-0015	EA	Taxi Guidance Sign 2 Face, 2 1/2' Wide Internally Illuminated, 12 - 15" Letters	2,846.32	257.62
		For LED, Add	*466.27*	
34 43 13 13-0016	EA	Taxi Guidance Sign 2 Face, 4' Wide Internally Illuminated, 12 - 15" Letters	4,455.82	257.62
		For LED, Add	*788.17*	
34 43 13 13-0017	EA	Taxi Guidance Sign 2 Face, 6' Wide Internally Illuminated, 12 - 15" Letters	6,278.68	309.15
		For LED, Add	*1,132.02*	
34 43 13 13-0018	EA	Taxi Guidance Sign 2 Face, 8' Wide Internally Illuminated, 12 - 15" Letters	9,924.14	360.67
		For LED, Add	*1,840.68*	
34 43 13 13-0019		Taxi Guidance Sign Unlighted, 18" Letters *(34 43 13 13)*		
34 43 13 13-0020	EA	Taxi Guidance Sign 1 Face, 4' Wide Unlighted, 18" Letters	2,096.56	128.81
		For LED, Add	*367.75*	
34 43 13 13-0021	EA	Taxi Guidance Sign 1 Face, 6' Wide Unlighted, 18" Letters	3,871.89	128.81
		For LED, Add	*722.81*	
34 43 13 13-0022	EA	Taxi Guidance Sign 1 Face, 8' Wide Unlighted, 18" Letters	5,626.05	154.57
		For LED, Add	*1,063.25*	
34 43 13 13-0023	EA	Taxi Guidance Sign 1 Face, 10' Wide Unlighted, 18" Letters	7,025.83	154.57
		For LED, Add	*1,343.20*	
34 43 13 13-0024	EA	Taxi Guidance Sign 2 Face, 4' Wide Unlighted, 18" Letters	2,392.42	154.57
		For LED, Add	*416.52*	
34 43 13 13-0025	EA	Taxi Guidance Sign 2 Face, 6' Wide Unlighted, 18" Letters	4,411.61	154.57
		For LED, Add	*820.36*	
34 43 13 13-0026	EA	Taxi Guidance Sign 2 Face, 8' Wide Unlighted, 18" Letters	6,318.58	206.10
		For LED, Add	*1,181.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 13-0027	EA	Taxi Guidance Sign 2 Face, 10' Wide Unlighted, 18" Letters	6,364.91	206.10
		For LED, Add	*1,190.54*	
34 43 13 13-0028		**Distance Marker Sign, Internally Illuminated** *(34 43 13 13)*		
34 43 13 13-0029	EA	Distance Marker Sign, 48" x 48"	4,045.77	206.10
34 43 13 13-0030		**Options And Accessories** *(34 43 13 13)*		
34 43 13 13-0031	EA	100 Watt Transformer Guidance Signs Accessories	366.64	51.52
34 43 13 13-0032	EA	Connection Kit For 1 Conduit Cable Guidance Signs Accessories	181.73	77.29
34 43 13 13-0033	EA	Base Housing, 12" Diameter Guidance Signs Accessories	474.79	103.05
34 43 13 13-0034		**Tools** *(34 43 13 13)*		
34 43 13 13-0035	EA	Impact Nut Driver Guidance Signs Accessories	473.10	
34 43 13 13-0036	EA	Leveling Tool Guidance Signs Accessories	238.99	
34 43 13 13-0037	EA	Contact Straightener Guidance Signs Accessories	104.86	
34 43 13 13-0038	EA	Installation Fixture Guidance Signs Accessories	487.73	
34 43 13 13-0039	EA	Drill Jig Guidance Signs Accessories	585.27	
34 43 13 13-0040	EA	Installation And Align Tool Guidance Signs Accessories	297.51	
34 43 13 13-0041	EA	Prism Setting Fixture Guidance Signs Accessories	417.40	
34 43 13 13-0042	EA	Pressure Test Fitting Guidance Signs Accessories	109.40	
34 43 13 13-0043	EA	Lifting Handles Guidance Signs Accessories	60.97	
34 43 13 13-0044	EA	Leveling Tool Guidance Signs Accessories	238.99	
34 43 13 13-0045	EA	Flector Alignment Tool Guidance Signs Accessories	195.12	
34 43 13 13-0046	EA	Lamp Extractor Guidance Signs Accessories	31.70	
34 43 13 13-0047	EA	Cable Stripper/Penciller Guidance Signs Accessories	317.22	
34 43 13 13-0048		**Taxiway Marker Tubular Reflectors Post** *(34 43 13 13)*		
		Note: With reflective strips on contract background.		
34 43 13 13-0049	EA	Taxiway Marker Reflector Post 18" With Reflector Strips On Contract Background	161.80	51.52
34 43 13 13-0050	EA	Taxiway Marker Reflector Post 24" With Reflector Strips On Contract Background	171.55	51.52
34 43 13 13-0051	EA	Taxiway Marker Reflector Post 30" With Reflector Strips On Contract Background	186.18	51.52
34 43 13 13-0052	EA	Taxiway Marker Reflector Post 36" With Reflector Strips On Contract Background	195.94	51.52
34 43 13 16		**Airfield Runway and Taxiway Inset Lighting** *(34 43 13)*		
34 43 13 16-0001		**Runway And Taxiway Lights** *(34 43 13 16)*		
34 43 13 16-0002		**Runway In-Pavement Lights** *(34 43 13 16-0001)*		
34 43 13 16-0003		**Runway Centerline, Land And Hold Short Operations (LAHSO)** *(34 43 13 16-0002)*		
		Note: L-850A.		
34 43 13 16-0004	EA	Uni-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,545.44	154.57
34 43 13 16-0005	EA	Uni-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	841.88	103.05
34 43 13 16-0006	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	885.65	103.05
34 43 13 16-0007	EA	Uni-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,512.83	154.57
34 43 13 16-0008	EA	Uni-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	832.69	103.05
34 43 13 16-0009	EA	Uni-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	861.17	103.05
34 43 13 16-0010	EA	Bi-Directional Runway Centerline Light With Shallow Base And Film Disc Cutout	1,607.25	154.57
34 43 13 16-0011	EA	Bi-Directional Runway Centerline Light With Cord Set And Film Disc Cutout	873.67	103.05
34 43 13 16-0012	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	919.63	103.05
34 43 13 16-0013	EA	Bi-Directional Runway Centerline Light With Shallow Base And Without Film Disc Cutout	1,573.02	154.57
34 43 13 16-0014	EA	Bi-Directional Runway Centerline Light With Cord Set And Without Film Disc Cutout	864.02	103.05
34 43 13 16-0015	EA	Bi-Directional Runway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	893.92	103.05
34 43 13 16-0016		**Runway Touchdown Zone, Medium Intensity Approach Lighting System** *(34 43 13 16-0002)*		
		Note: L-850B.		
34 43 13 16-0017	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Film Disc Cutout	1,399.00	154.57
34 43 13 16-0018	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Film Disc Cutout	714.73	103.05
34 43 13 16-0019	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Shallow Base And Without Film Disc Cutout	1,369.73	154.57
34 43 13 16-0020	EA	Uni-Directional Straight Or Toe-in Runway Touchdown Zone Light With Single Cord Set And Without Film Disc Cutout	685.48	103.05
34 43 13 16-0021		**Runway Edge, Displaced Threshold** *(34 43 13 16-0002)*		
		Note: L-850C.		
34 43 13 16-0022	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Film Disc Cutout	1,282.95	103.05
34 43 13 16-0023	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Film Disc Cutout	1,290.31	103.05
34 43 13 16-0024	EA	Bi-Directional Displaced Threshold Runway Edge Light With Cord Set And Without Film Disc Cutout	1,263.74	103.05
34 43 13 16-0025	EA	Bi-Directional Displaced Threshold Runway Edge Light With Two (2) Cord Sets And Without Film Disc Cutout	1,270.58	103.05
34 43 13 16-0026		**Runway Threshold/End** *(34 43 13 16-0002)*		
		Note: L-850D.		
34 43 13 16-0027	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,413.43	103.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0028	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,435.68	103.05
34 43 13 16-0029	EA	Uni-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,384.18	103.05
34 43 13 16-0030	EA	Uni-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,388.90	103.05
34 43 13 16-0031	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,772.94	103.05
34 43 13 16-0032	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,801.81	103.05
34 43 13 16-0033	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,708.40	103.05
34 43 13 16-0034	EA	Uni-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,714.41	103.05
34 43 13 16-0035	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,473.79	103.05
34 43 13 16-0036	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,497.16	103.05
34 43 13 16-0037	EA	Bi-Directional Obscured Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,443.09	103.05
34 43 13 16-0038	EA	Bi-Directional Obscured Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,448.04	103.05
34 43 13 16-0039	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Film Disc Cutout	1,851.28	103.05
34 43 13 16-0040	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Film Disc Cutout	1,881.60	103.05
34 43 13 16-0041	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Cord Set And Without Film Disc Cutout	1,783.52	103.05
34 43 13 16-0042	EA	Bi-Directional Straight or Toed Beam Threshold/End Light With Two (2) Cord Sets And Without Film Disc Cutout	1,789.83	103.05
34 43 13 16-0043		**Runway Threshold, Medium Intensity Approach Lighting System** *(34 43 13 16-0002)*		
		Note: L-850E.		
34 43 13 16-0044	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Film Disc Cutout	1,535.45	103.05
34 43 13 16-0045	EA	Uni-Directional Straight Or Toe-in Runway Threshold Light With Single Cord Set And Without Film Disc Cutout	1,476.92	103.05
34 43 13 16-0046		**Land And Hold Short Operations (LAHSO)** *(34 43 13 16-0002)*		
		Note: L-850F.		
34 43 13 16-0047	EA	Uni-Directional Runway LAHSO With Shallow Base And Film Disc Cutout	1,858.08	154.57
34 43 13 16-0048	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Film Disc Cutout	928.98	103.05
34 43 13 16-0049	EA	Uni-Directional Runway LAHSO With Shallow Base And Without Film Disc Cutout	1,816.49	154.57
34 43 13 16-0050	EA	Uni-Directional Runway LAHSO With Two (2) Cord Sets And Without Film Disc Cutout	887.42	103.05
34 43 13 16-0051		**Runway Guard** *(34 43 13 16-0002)*		
		Note: L-852G.		
34 43 13 16-0052	EA	Uni-Directional 105 Watt Runway Guard Light With Shallow Base	1,349.82	154.57
34 43 13 16-0053	EA	Uni-Directional 105 Watt Runway Guard Light With Two (2) Cord Sets	1,103.68	154.57
34 43 13 16-0054		**Stop Bar** *(34 43 13 16-0002)*		
		Note: L-852S.		
34 43 13 16-0055	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Film Disc Cutout	1,340.70	154.57
34 43 13 16-0056	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Film Disc Cutout	929.52	154.57
34 43 13 16-0057	EA	Uni-Directional 105 Watt Stop Bar Light With Shallow Base And Without Film Disc Cutout	1,337.96	154.57
34 43 13 16-0058	EA	Uni-Directional 105 Watt Stop Bar Light With Cord Set And Without Film Disc Cutout	900.26	154.57
34 43 13 16-0059		**Taxiway In-Pavement Lights** *(34 43 13 16-0001)*		
34 43 13 16-0060		**Taxiway Centerline, Straight Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range)** *(34 43 13 16-0059)*		
		Note: L-852A or L-852C.		
34 43 13 16-0061	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,545.44	154.57
34 43 13 16-0062	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	970.59	103.05
34 43 13 16-0063	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,018.36	103.05
34 43 13 16-0064	EA	Uni-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,524.23	154.57
34 43 13 16-0065	EA	Uni-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	915.52	103.05
34 43 13 16-0066	EA	Uni-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	959.85	103.05
34 43 13 16-0067	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,602.14	154.57
34 43 13 16-0068	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Film Disc Cutout	1,005.66	103.05
34 43 13 16-0069	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,052.43	103.05
34 43 13 16-0070	EA	Bi-Directional Straight Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,579.95	154.57
34 43 13 16-0071	EA	Bi-Directional Straight Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	948.06	103.05
34 43 13 16-0072	EA	Bi-Directional Straight Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	991.46	103.05
34 43 13 16-0073		**Taxiway Centerline, Curved Sections; Clearance Bar (>= 1,200 or <1,200 Runway Visual Range)** *(34 43 13 16-0059)*		
		Note: L-852B or L-852D or L-852J or L-852K.		
34 43 13 16-0074	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,581.16	154.57
34 43 13 16-0075	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	968.20	103.05
34 43 13 16-0076	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,023.67	103.05
34 43 13 16-0077	EA	Uni-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,480.55	154.57
34 43 13 16-0078	EA	Uni-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	907.93	103.05
34 43 13 16-0079	EA	Uni-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	961.59	103.05
34 43 13 16-0080	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Film Disc Cutout	1,637.20	154.57
34 43 13 16-0081	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Film Disc Cutout	1,001.79	103.05
34 43 13 16-0082	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Film Disc Cutout	1,059.69	103.05
34 43 13 16-0083	EA	Bi-Directional Curved Taxiway Centerline Light With Shallow Base And Without Film Disc Cutout	1,529.57	154.57
34 43 13 16-0084	EA	Bi-Directional Curved Taxiway Centerline Light With Cord Set And Without Film Disc Cutout	940.42	103.05
34 43 13 16-0085	EA	Bi-Directional Curved Taxiway Centerline Light With Two (2) Cord Sets And Without Film Disc Cutout	993.20	103.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0086		**Taxiway Intersections; Clearance Bar (>= 1,200 Runway Visual Range)** *(34 43 13 16-0059)* Note: L-852E.		
34 43 13 16-0087	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,340.70	154.57
34 43 13 16-0088	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,590.30	154.57
34 43 13 16-0089	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,397.91	154.57
34 43 13 16-0090	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,559.11	154.57
34 43 13 16-0091	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	790.11	103.05
34 43 13 16-0092	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	988.47	154.57
34 43 13 16-0093	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	886.45	154.57
34 43 13 16-0094	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Film Disc Cutout	938.37	154.57
34 43 13 16-0095	EA	Omni-Directional 45 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,316.42	154.57
34 43 13 16-0096	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,560.15	154.57
34 43 13 16-0097	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,372.29	154.57
34 43 13 16-0098	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,529.71	154.57
34 43 13 16-0099	EA	Omni-Directional 45Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	770.77	103.05
34 43 13 16-0100	EA	Omni-Directional 150 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	971.04	154.57
34 43 13 16-0101	EA	Omni-Directional 30 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	871.64	154.57
34 43 13 16-0102	EA	Omni-Directional 40 Watt, 120 Volt AC, Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	954.94	154.57
34 43 13 16-0103		**Taxiway Intersections; Clearance Bar (<1,200 Runway Visual Range)** *(34 43 13 16-0059)* Note: L-852F.		
34 43 13 16-0104	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Film Disc Cutout	1,569.90	154.57
34 43 13 16-0105	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Film Disc Cutout	992.83	154.57
34 43 13 16-0106	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Shallow Base And Without Film Disc Cutout	1,530.22	154.57
34 43 13 16-0107	EA	Omni-Directional 120 Watt Taxiway Intersection Light With Cord Set And Without Film Disc Cutout	971.32	154.57
34 43 13 16-0108		**Taxiway Edge, Apron Edge** *(34 43 13 16-0059)* Note: L-852T.		
34 43 13 16-0109	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Film Disc Cutout	1,505.52	154.57
34 43 13 16-0110	EA	Omni-Directional 45 Watt Taxiway Edge Light With Cord Set And Without Film Disc Cutout	1,319.67	154.57
34 43 13 16-0111		**Elevated Lights** *(34 43 13 16-0001)*		
34 43 13 16-0112		**Elevated Runway Guard** *(34 43 13 16-0111)* Note: L-804		
34 43 13 16-0113	EA	Elevated Runway Guard	1,996.53	103.05
34 43 13 16-0114		**Elevated Runway Edge** *(34 43 13 16-0111)* Note: L-860		
34 43 13 16-0115	EA	14" Omni-Directional Elevated Runway Edge Light	619.19	128.81
34 43 13 16-0116	EA	24" Omni-Directional Elevated Runway Edge Light	629.55	128.81
34 43 13 16-0117	EA	30" Omni-Directional Elevated Runway Edge Light	709.73	128.81
34 43 13 16-0118		**Elevated Runway Threshold/End** *(34 43 13 16-0111)* Note: L-860E		
34 43 13 16-0119	EA	14" Uni-Directional Elevated Runway Threshold/End Light	589.06	128.81
34 43 13 16-0120	EA	24" Uni-Directional Elevated Runway Threshold/End Light	598.56	128.81
34 43 13 16-0121	EA	30" Uni-Directional Elevated Runway Threshold/End Light	672.05	128.81
34 43 13 16-0122	EA	14" Bi-Directional Elevated Runway Threshold/End Light	605.63	128.81
34 43 13 16-0123	EA	24" Bi-Directional Elevated Runway Threshold/End Light	615.60	128.81
34 43 13 16-0124	EA	30" Bi-Directional Elevated Runway Threshold/End Light	692.78	128.81
34 43 13 16-0125		**Elevated Runway Edge or Threshold/End, Displaced Threshold, Non-Precision IFR Runways** *(34 43 13 16-0111)* Note: L-861, L-861E, L-861SE or L-861T		
34 43 13 16-0126	EA	14" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	558.93	128.81
34 43 13 16-0127	EA	20" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	564.29	128.81
34 43 13 16-0128	EA	24" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	567.56	128.81
34 43 13 16-0129	EA	30" Omni-Directional Elevated Runway Light, Non-Precision IFR Runways	634.38	128.81
34 43 13 16-0130	EA	14" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	562.22	128.81
34 43 13 16-0131	EA	20" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	567.66	128.81
34 43 13 16-0132	EA	24" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	570.95	128.81
34 43 13 16-0133	EA	30" Uni-Directional Elevated Runway Light, Non-Precision IFR Runways	638.51	128.81
34 43 13 16-0134	EA	14" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	577.46	128.81
34 43 13 16-0135	EA	20" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	583.16	128.81
34 43 13 16-0136	EA	24" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	586.62	128.81
34 43 13 16-0137	EA	30" Bi-Directional Elevated Runway Light, Non-Precision IFR Runways	657.55	128.81
34 43 13 16-0138		**Elevated Runway Edge or Threshold/End, Displaced Threshold, Precision IFR Runways** *(34 43 13 16-0111)* Note: L-862 Or L-862E		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 16-0139	EA	14" Uni-Directional Elevated Runway Light, Precision IFR Runways	519.94	128.81
34 43 13 16-0140	EA	24" Uni-Directional Elevated Runway Light, Precision IFR Runways	525.42	128.81
34 43 13 16-0141	EA	30" Uni-Directional Elevated Runway Light, Precision IFR Runways	533.89	128.81
34 43 13 16-0142	EA	14" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	633.29	128.81
34 43 13 16-0143	EA	24" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	641.13	128.81
34 43 13 16-0144	EA	30" Swivel Head Uni-Directional Elevated Runway Light, Precision IFR Runways	659.70	128.81
34 43 13 16-0145	EA	14" Bi-Directional Elevated Runway Light, Precision IFR Runways	533.06	128.81
34 43 13 16-0146	EA	24" Bi-Directional Elevated Runway Light, Precision IFR Runways	538.81	128.81
34 43 13 16-0147	EA	30" Bi-Directional Elevated Runway Light, Precision IFR Runways	547.70	128.81
34 43 13 16-0148	EA	14" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	652.07	128.81
34 43 13 16-0149	EA	24" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	660.31	128.81
34 43 13 16-0150	EA	30" Swivel Head Bi-Directional Elevated Runway Light, Precision IFR Runways	679.80	128.81
34 43 13 16-0151		Elevated Stop Bar *(34 43 13 16-0111)*		
		Note: L-862S		
34 43 13 16-0152	EA	14" Uni-Directional Elevated Stop Bar	524.70	128.81
34 43 13 16-0153	EA	24" Uni-Directional Elevated Stop Bar	530.89	128.81
34 43 13 16-0154	EA	30" Uni-Directional Elevated Stop Bar	533.89	128.81
34 43 13 16-0155		Airfield Optional Accessories *(34 43 13 16-0001)*		
34 43 13 16-0156	EA	30/45 Watt Transformer, Airfield Optional Accessories	293.48	51.52
34 43 13 16-0157	EA	65 Watt Transformer, Airfield Optional Accessories	330.06	51.52
34 43 13 16-0158	EA	100 Watt Transformer, Airfield Optional Accessories	366.64	51.52
34 43 13 16-0159	EA	200 Watt Transformer, Airfield Optional Accessories	379.74	51.52
34 43 13 16-0160	EA	300 Watt Transformer, Airfield Optional Accessories	461.45	77.29
34 43 13 16-0161	EA	500 Watt Transformer, Airfield Optional Accessories	513.39	77.29
34 43 13 16-0162	EA	10" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	477.23	103.05
34 43 13 16-0163	EA	12" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	560.14	103.05
34 43 13 16-0164	EA	15" Diameter Base Housing, Non-Load Bearing, Airfield Optional Accessories	669.88	103.05
34 43 13 16-0165	EA	12" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories Note: L-867.	648.54	103.05
34 43 13 16-0166	EA	16" Diameter Adjustable Base Housing, Load Bearing, Airfield Optional Accessories Note: L-867.	785.72	103.05
34 43 13 16-0167	EA	Connection Kit For Conduit Cable, Airfield Optional Accessories	181.73	77.29
34 43 13 16-0168	MLF	#8 AWG Cable - Cross-linked High Heat-Resistant Water-Resistant (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	1,473.77	
34 43 13 16-0169	MLF	#6 AWG Cable - Cross-linked High Heat-Resistant Water-Resistant (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	1,933.86	
34 43 13 16-0170	MLF	#4 AWG Cable - Cross-linked High Heat-Resistant Water-Resistant (XHHW), Underground Feeder And Branch Circuit, Airfield Optional Accessories Note: L-824.	2,614.22	
34 43 13 16-0171	EA	Frangible Coupling (Complete), Airfield Optional Accessories	161.29	6.08
34 43 13 16-0172	EA	Precast Concrete Base, Airfield Optional Accessories	664.43	83.47
34 43 13 23		**Airfield Short-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 23-0001		Land And Hold Short (LAHSO) Light System *(34 43 13 23)*		
34 43 13 23-0002	EA	Land And Hold Short (LAHSO) Lighting System, Five (5) Unidirectional In Pavement Light Fixtures (FAA L850A), Power Control And Monitoring Unit And Tower Control Panel	22,663.61	
34 43 13 26		**Airfield Omni-Directional-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 26-0001		Elevated Approach *(34 43 13 26)*		
34 43 13 26-0002	EA	Approach And Navigational Light 200 Watt - Heavy-Duty Assembly Only Elevated Approach	516.25	103.05
		For LED, Add	*123.88*	
34 43 13 26-0003	EA	Approach And Navigational Light 300 Watt - Heavy-Duty Assembly Only Elevated Approach	516.25	103.05
		For LED, Add	*123.88*	
34 43 13 26-0004	EA	Approach And Navigational Light 500 Watt - Heavy-Duty Assembly Only Elevated Approach	516.25	103.05
		For LED, Add	*123.88*	
34 43 13 26-0005	EA	Approach And Navigational Light 200 Watt - With Filter Bracket Elevated Approach	556.54	113.36
		For LED, Add	*131.69*	
34 43 13 26-0006	EA	Approach And Navigational Light 300 Watt - With Filter Bracket Elevated Approach	556.54	113.36
		For LED, Add	*131.69*	
34 43 13 26-0007	EA	Approach And Navigational Light 500 Watt - With Filter Bracket Elevated Approach	556.54	113.36
		For LED, Add	*131.69*	
34 43 13 29		**Airfield Low-Intensity-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 29-0001		Rotating Beacon *(34 43 13 29)*		
34 43 13 29-0002	EA	Rotating Airport Beacon, 12 RPM, 400 Watt Metal Halide 1 Beam Clear, 400 Watt Metal Halide 1 Beam Green	31,750.31	2,462.92
34 43 13 29-0003	EA	Rotating Beam Single Drum, 12 RPM Clear Beam, 500 Watt Quartz	71,350.15	2,061.02
34 43 13 29-0004	EA	Rotating Beam, Double Drum, 6 RPM Clear And Green Beams, 1,000 Watt Quartz	77,459.63	2,267.13
34 43 13 29-0005	EA	Beacon Tower, Tubular Type, 51'	25,766.51	1,299.74
34 43 13 29-0006	EA	Weatherproof Panelboard, 4 - 15 Amperes Breakers	4,008.30	309.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 13 29-0007		Runway Approach Lights, Semi-Flush Unidirectional *(34 43 13 29)*		
34 43 13 29-0008	EA	Runway Approach Light, Unidirectional, S-Flash, 115 Watt With Shallow Insert Base	2,229.03	154.57
34 43 13 29-0009	EA	Runway Approach Light, Unidirectional, S-Flash, 200 Watt With Shallow Insert Base	2,253.41	154.57
34 43 13 29-0010	EA	Runway Approach Light, Unidirectional, TD Zone, 115 Watt S-Flash, For Mounted In Base Housing	830.83	103.05
34 43 13 29-0011	EA	Runway Approach Light, Unidirectional, TD Zone, 200 Watt S-Flash, For Mounted In Base Housing	874.73	103.05
34 43 13 33		**Airfield High-Intensity-Approach Lighting Equipment** *(34 43 13)*		
34 43 13 33-0001		High Intensity Approach/ Threshold Light, Semi-Flush *(34 43 13 33)* Note: Unidirectional.		
34 43 13 33-0002	EA	High Intensity Approach Light, 500 Watt Quartz, Clear Semi-Flush, Unidirectional	3,253.25	154.57
		For LED, Add	*588.69*	
34 43 13 33-0003	EA	High Intensity Threshold Light, Clear 500 Watt Quartz, Semi-Flush, Unidirectional	3,541.01	154.57
		For LED, Add	*646.24*	
34 43 13 33-0004	EA	High Intensity Approach Light, 500 Watt Quartz, Red Semi-Flush, Unidirectional	3,195.95	154.57
		For LED, Add	*577.23*	
34 43 13 33-0005	EA	High Intensity Threshold/End Light, Green/Red Semi-Flush, Unidirectional	3,736.10	154.57
		For LED, Add	*685.26*	
34 43 13 36		**Airfield Precision-Approach Path Indicator Equipment** *(34 43 13)*		
34 43 13 36-0001		Precision Approach Path Indicator *(34 43 13 36)*		
34 43 13 36-0002	EA	Approach And Navigational Light Precision Approach Path Indicator - 4 System, 4 Units, 3 Projectors Per Unit	22,255.01	824.41
34 43 13 36-0003	EA	Approach And Navigational Light Series Power Kit (3 x 200), Precision Approach Path Indicator	2,631.36	206.10
34 43 13 36-0004	EA	Approach And Navigational Light Clinometer Precision Approach Path Indicator	2,202.16	206.10
34 43 13 36-0005	EA	Approach And Navigational Light Optical Bench Precision Approach Path Indicator	5,008.15	309.15
34 43 13 36-0006	EA	Approach And Navigational Light Radio Receiver, Air-Ground Precision Approach Path Indicator	3,448.30	206.10
34 43 13 36-0007	EA	Approach And Navigational Light Radio Receiver, Interface Unidirectional Precision Approach Path Indicator	1,056.00	206.10
34 43 23		**Weather Observation Equipment** *(34 43)*		
34 43 23 16		**Airfield Wind Cones** *(34 43 23)*		
34 43 23 16-0001		Wind Cone, 12 Foot Long, Illuminated With 16' Hinged Pole *(34 43 23 16)*		
34 43 23 16-0002	EA	Wind Cone, 12' Lighted Assembly, With Light Rigid With Obstruction Light	24,357.17	1,236.61
34 43 23 16-0003	EA	Wind Cone, 12' Lighted Assembly Rigid	20,565.04	1,133.56
34 43 23 16-0004	EA	Wind Cone, 12' Unlighted Assembly, With Light Rigid With Obstruction Light	21,922.08	1,030.51
34 43 23 16-0005	EA	Wind Cone, 12' Unlighted Assembly Rigid	20,152.83	927.46
34 43 23 16-0006	EA	Wind Cone Slip Fitter, 2.5" Pipe	397.33	77.29
34 43 23 16-0007	EA	12' x 3' Wind Cone Cotton Sock With Frame	1,508.79	294.07
34 43 23 16-0008	EA	12' x 3' Wind Cone Nylon Sock With Frame	1,415.10	294.07
34 43 23 16-0009	EA	Booster Transformer, 1 KW Weatherproof Cabinet	1,467.50	154.57
34 43 23 16-0010		Wind Cone, Up To 8 Foot Long, Illuminated With 8' Hinged Pole *(34 43 23 16)*		
34 43 23 16-0011	EA	Wind Cone, 8' Lighted Assembly With Light Frangible With Obstruction Light	18,473.97	1,030.51
34 43 23 16-0012	EA	Wind Cone, 8' Lighted Assembly Frangible	19,884.54	927.46
34 43 23 16-0013	EA	Wind Cone, 8' Lighted Assembly Rigid	15,578.34	927.46
34 43 23 16-0014	EA	Wind Cone, 8' Unlighted Assembly, With Light Rigid With Obstruction Light	16,750.70	927.46
34 43 23 16-0015	EA	Wind Cone, 8' Unlighted Assembly Frangible	20,119.60	824.41
34 43 23 16-0016	EA	Wind Cone, 8' Unlighted Assembly Rigid	15,372.24	824.41
34 43 23 16-0017	EA	8' x 1-1/2' Wind Cone Nylon Sock With Frame	846.41	294.07
34 43 23 16-0018	EA	Removal And Replacement Of 8' x 1-1/2' Wind Cone Nylon Sock	316.52	
34 43 26		**Airfield Control Equipment** *(34 43)*		
34 43 26 13		**Airfield Lighting Control Equipment** *(34 43 26)*		
34 43 26 13-0001		Power Cable Assemblies *(34 43 26 13)*		
34 43 26 13-0002	EA	Approach And Navigational Light Upper Cable Assembly Power Cable Assemblies	206.12	77.29
34 43 26 13-0003	EA	Approach And Navigational Light Lower Cable Assembly Power Cable Assemblies	206.12	77.29
34 43 26 13-0004	EA	Approach And Navigational Light Cable Clamp Power Cable Assemblies	83.27	25.76
34 43 26 13-0005		Power Distribution And Control Equipment *(34 43 26 13)*		
34 43 26 13-0006		Control Panel *(34 43 26 13-0005)*		
34 43 26 13-0007	EA	Control Panel, Series Circuit Monitor 6.6 Amperes, 48 Volt DC Current	9,526.49	618.31
34 43 26 13-0008	EA	Key Selector Switch	117.40	33.49
34 43 26 13-0009		Series/Isolation Transformers *(34 43 26 13-0005)*		
34 43 26 13-0010	EA	Series / Isolation Transformers 30/45 Watt - FAA	293.48	51.52
34 43 26 13-0011	EA	Series / Isolation Transformers 65 Watt - FAA	330.06	51.52
34 43 26 13-0012	EA	Series / Isolation Transformers 100 Watt - FAA	366.64	51.52
34 43 26 13-0013	EA	Series / Isolation Transformers 300 Watt - FAA	496.32	77.29
34 43 26 13-0014	EA	Series / Isolation Transformers 500 Watt - FAA	518.27	77.29
34 43 26 13-0015	EA	Series / Isolation Transformers 30/45 Watt - MIL	382.49	51.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 26 13-0016	EA	Series / Isolation Transformers 200 Watt - MIL	450.78	51.52
34 43 26 13-0017	EA	Series / Isolation Transformers 300 Watt - MIL	607.28	77.29
34 43 26 13-0018	EA	Series / Isolation Transformers 500 Watt - MIL	687.75	77.29
34 43 26 13-0019		**Auxiliary Pilot Relay Cabinet** *(34 43 26 13-0005)*		
34 43 26 13-0020	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50/60 Hertz Auxiliary Pilot Relay Cabinet	4,682.33	412.20
34 43 26 13-0021	EA	Relay Cabinet, 20 Circuit, 120 Volt, 50 Hertz Auxiliary Pilot Relay Cabinet	4,682.33	412.20
34 43 26 13-0022	EA	Relay Cabinet, 20 Circuit, 120 Volt, 60 Hertz Auxiliary Pilot Relay Cabinet	5,470.61	515.26
34 43 26 13-0023	EA	Master Timer Cabinet	19,677.80	1,116.77
34 43 26 13-0024		**Radio Control** *(34 43 26 13-0005)*		
34 43 26 13-0025	EA	Radio Control Receiver Controller	9,030.63	3,307.94
34 43 26 13-0026		**Constant Current Regulator** *(34 43 26 13-0005)*		
34 43 26 13-0027	EA	Constant Current Regulator, 10 KW - Wet Type Power Distribution And Control Equipment	14,891.50	618.31
34 43 26 13-0028	EA	Constant Current Regulator, 20 KW - Wet Type Power Distribution And Control Equipment	25,754.19	927.46
34 43 26 13-0029	EA	Constant Current Regulator, 50 KW - Wet Type Power Distribution And Control Equipment	39,252.31	1,545.77
34 43 26 13-0030	EA	Constant Current Regulator, 4 KW - Dry Type Power Distribution And Control Equipment	5,739.74	309.15
34 43 26 13-0031	EA	Constant Current Regulator, 7.5 KW - Dry Type Power Distribution And Control Equipment	8,384.18	412.20
34 43 26 13-0032	EA	Constant Current Regulator, 10 KW - Dry Type Power Distribution And Control Equipment	10,745.81	618.31
34 43 26 13-0033		**Lamp Failure Detector** *(34 43 26 13-0005)*		
34 43 26 13-0034	EA	Lamp Failure Detector, 120/240 Volt, 1 - 6.6 Amperes And 3 - 20 Amperes Circuit Monitoring	12,951.55	412.20
34 43 26 13-0035		**Accessories** *(34 43 26 13-0005)*		
34 43 26 13-0036	EA	Plug Cutout Power Distribution And Control Equipment Accessory	1,326.69	206.10
34 43 26 13-0037	EA	Primary Connector Kit Power Distribution And Control Equipment Accessory	233.36	103.05
34 43 26 13-0038	EA	Secondary Connector Kit Power Distribution And Control Equipment Accessory	250.44	103.05
34 43 26 13-0039	EA	Heat Shrink Kit Power Distribution And Control Equipment Accessory	324.45	154.57
34 43 26 13-0040		**Runway Lighting Cable** *(34 43 26 13-0005)*		
34 43 26 13-0041	LF	Electric Type "C" Cable	11.03	1.03
34 43 26 13-0042		**Terminal Blocks** *(34 43 26 13-0005)*		
34 43 26 13-0043	EA	Terminal Blocks	137.60	11.13
34 43 26 13-0044		**Tower Lighting Controllers** *(34 43 26 13)*		
34 43 26 13-0045	EA	Tower Light Controllers 0-150' Tower Cabinets Only	3,926.22	824.41
34 43 26 13-0046	EA	Light Controllers 150-450' Tower Cabinets Only	7,005.95	927.46
34 43 26 13-0047	EA	One Obstruction Light Alarm	2,592.42	412.20
34 43 26 13-0048	EA	2 Obstruction Lights And 1 Beacon Alarm, Flasher Fail Safe	5,405.20	618.31
34 43 26 13-0049	EA	Alarm Test Switch For 2 Lights Obstruction	4,994.48	412.20
34 43 26 13-0050		**Junction Boxes And Tower Accessories** *(34 43 26 13)*		
34 43 26 13-0051	EA	Size 1 Junction Box, With 4 Hubs, 4" Diameter x 2" Deep	357.74	103.05
34 43 26 13-0052	EA	Size 2 Junction Box, With 2 Or 4 Hubs, 8" x 4" x 2.5"	608.99	128.81
34 43 26 13-0053	EA	Size 3 Junction Box, With 4 Hubs 8 1/2" x 11 5/8" x 3 5/8"	985.32	154.57
34 43 26 13-0054	EA	Size 4 Junction Box, With 4 Hubs, 18" x 12" x 6"	1,363.27	206.10
34 43 26 13-0055	EA	Junction Box Breather, Screened 1" Nipple With Threaded 90 Degree Elbow	243.12	103.05
34 43 26 13-0056	EA	Junction Box Drain, Screened 1" Nipple	243.12	103.05
34 43 26 13-0057	EA	Wraplock Tape, Galvanized Steel 100' Roll	1,308.36	618.31
34 43 26 13-0058	EA	Telephone Jack Assembly In Field Box With 1/2" Hub	641.71	103.05
34 43 26 13-0059	EA	Elevated Approach Bar	11,430.27	3,557.22
34 43 26 13-0060		**Lighting Kits For Towers** *(34 43 26 13)* Note: Includes fixtures, junction boxes, controllers, accessories, less wire and conduit.		
34 43 26 13-0061	EA	Lighting Kits For Up To 100' Tower	10,431.90	3,912.78
34 43 26 13-0062	EA	Lighting Kits For From 101'-150' Tower	19,536.51	4,890.98
34 43 26 13-0063	EA	Lighting Kits For From 151'-200' Tower	24,311.03	7,336.47
34 43 26 13-0064	EA	Lighting Kits For From 201'-300' Tower	31,814.38	11,004.71
34 43 26 13-0065	EA	Lighting Kits For From 301'-450' Tower	55,472.18	18,096.62
34 43 26 13-0066		**Junction Boxes And Tower Accessories** *(34 43 26 13)*		
34 43 26 13-0067	EA	Termination Bar Complete	7,077.66	1,116.77

34 43 33 Airfield Lighting Test *(34 43)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 43 33 00-0001		Photometric Testing Of Airfield Lighting Fixtures *(34 43 33)*		
34 43 33 00-0002	EA	Mobilization Cost for Photometric Testing Of Airfield Lighting Fixtures Signs And Testing Of CCRs	10,828.81	
34 43 33 00-0003	EA	Up To 100 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	107.73	
34 43 33 00-0004	EA	>100 To 500 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	77.26	
34 43 33 00-0005	EA	>500 To 750 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	62.04	
34 43 33 00-0006	EA	>750 To 1,000 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	46.25	
34 43 33 00-0007	EA	>1,000 Lighting Fixtures Photometric Testing Note: Includes data base preparation and photometric analysis report.	38.91	
34 43 33 00-0008	EA	Up To 100 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	80.65	
34 43 33 00-0009	EA	>100 To 500 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	57.64	
34 43 33 00-0010	EA	>500 To 750 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	46.25	
34 43 33 00-0011	EA	>750 To 1,000 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	34.68	
34 43 33 00-0012	EA	>1,000 Lighting Fixtures Photometric Testing Of Previously Tested Fixtures Note: Excludes data base preparation.	30.83	
34 43 33 00-0013		Constant Current Regulator Testing *(34 43 33)*		
34 43 33 00-0014	EA	Mobilization Cost for Constant Current Regulator Testing	6,880.80	
34 43 33 00-0015	EA	Constant Current Regulator Testing Note: Includes analysis and report.	542.60	

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 13-0001		Concrete Median Barrier *(34 71 13 13)*		
34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	71.56	4.66
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	122.89	4.66
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	176.23	4.66
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	54.08	7.70
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	42.25	3.83

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0001		Impact Barrier, Non-Redirective *(34 71 13 16)*		
34 71 13 16-0002		Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	607.61	55.22
34 71 13 16-0004		Repair Of Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: By TrafFix Devices, Inc.		
34 71 13 16-0005	EA	Removal And Replacement Of Sand Container For 200, 400, Or 700 Lb. Sand Barrel Note: For TrafFix Devices, Inc.	347.63	
34 71 13 16-0006	EA	Removal And Replacement Of Pedestal Unit For 200, 400, Or 700 Lb. Sand Barrel Note: For TrafFix Devices, Inc.	347.63	
34 71 13 16-0007	EA	Removal And Replacement Of 1,400 Lb. Sand Barrel, Excludes Lid, For TrafFix Devices	522.18	
34 71 13 16-0008	EA	Removal And Replacement Of 2,100 Lb. Sand Barrel, Excludes Lid, For TrafFix Devices	569.53	
34 71 13 16-0009	EA	Removal And Replacement Of Lid For Sand Barrel for TrafFix Devices, Inc.	127.94	
34 71 13 16-0010		Repair Of Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: By Fitch Universal Module System.		
34 71 13 16-0011	EA	Removal And Replacement Of Barrel Wall Section for Fitch Universal Module System	516.41	
34 71 13 16-0012	EA	Removal And Replacement Of Unicore Insert for Fitch Universal Module System	341.86	
34 71 13 16-0013	EA	Removal And Replacement Of Lid for Fitch Universal Module System	133.70	
34 71 13 16-0014	EA	Removal And Replacement Of Zip Strip for Fitch Universal Module System	66.86	
34 71 13 16-0015		Repair Of Sand Barrel Impact Attenuator *(34 71 13 16-0001)* Note: By Energite III.		
34 71 13 16-0016	EA	Removal And Replacement Of Sand Container For 200, 400, 700 Or 1,400 Lb. Sand Barrel For Energite III Systems	499.13	
34 71 13 16-0017	EA	Removal And Replacement Of Sand Container For 2,100 Lb. Sand Barrel For Energite III Systems	534.96	
34 71 13 16-0018	EA	Removal And Replacement Of Cone For 200, Or 400 Lb. Sand Barrel For Energite III Systems	185.56	
34 71 13 16-0019	EA	Removal And Replacement Of Cone For 700, 1,400 Or 2,100 Lb. Sand Barrel For Energite III Systems	429.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0020	EA	Removal And Replacement Of Lid for Energite III Systems	127.94	

34 71 13 16-0021 Sand For Sand Barrel Impact Attenuator *(34 71 13 16-0001)*

34 71 13 16-0022	LB	Sand for Sand Barrels	0.11	

34 71 13 19 Vehicle Traffic Barriers *(34 71 13)*

34 71 13 19-0001 Vehicle Barricade Components (Delta Scientific Basic System or equal) *(34 71 13 19)*

Note: Excludes foundation excavation and concrete

34 71 13 19-0002	EA	Hydraulic Operation Barrier Gate (Delta Scientific BB10M)	23,597.03	
34 71 13 19-0003	EA	High Security Cable Crash Beam Barrier (Delta Scientific BB10MS)	56,890.99	
34 71 13 19-0004	EA	Quick Deployment Crash Barrier (Delta Scientific DSC1100)	122,607.38	
34 71 13 19-0005	EA	Shallow Mount Barricade System (Delta Scientific DSC501)	121,406.80	
34 71 13 19-0006	EA	Hydraulic Bollard System (Delta Scientific DSC701 H)	54,894.76	
34 71 13 19-0007	EA	Decorative Fixed Post Bollard (Delta Scientific DSC701FP)	8,529.30	
34 71 13 19-0008	EA	Pneumatic Bollard System (Delta Scientific DSC701PB)	54,899.61	
34 71 13 19-0009	EA	Hydraulic Bollard System (Delta Scientific DSC720 H)	56,842.43	
34 71 13 19-0010	EA	Decorative Fixed Post Bollard (Delta Scientific DSC720FP)	9,710.04	
34 71 13 19-0011	EA	Pneumatic Bollard System (Delta Scientific DSC720PB)	56,842.43	
34 71 13 19-0012	EA	Decorative Hydraulic Bollard System (Delta Scientific DSC800 H)	43,614.77	
34 71 13 19-0013	EA	Manual Decorative Bollard (Delta Scientific DSC800 M)	16,585.85	
34 71 13 19-0014	EA	Decorative Fixed Post Bollard (Delta Scientific DSC800FP)	5,924.07	
34 71 13 19-0015	EA	Decorative Pneumatic Bollard System (Delta Scientific DSC800PB)	43,629.32	
34 71 13 19-0016	EA	Portable Surface Mounted Barrier System (Delta Scientific DSC900)	108,305.55	
34 71 13 19-0017	EA	Quick Deployment Crash Barrier, Hydraulic (Delta Scientific IP500 H)	96,369.79	
34 71 13 19-0018	EA	Quick Deployment Crash Barrier, Manual (Delta Scientific IP500 M)	70,613.36	
34 71 13 19-0019	EA	Cantilever Gate (Delta Scientific SC3000)	68,337.78	
34 71 13 19-0020	EA	Hydraulic Cantilever Gate (Delta Scientific SC3000 H)	58,803.53	
34 71 13 19-0021	EA	Manual Crash Rated Swing Gate (Delta Scientific SGC1000)	63,940.20	
34 71 13 19-0022	EA	Surface Barricade System (Delta Scientific TT107S/FM)	111,384.18	
34 71 13 19-0023	EA	Hydraulic Bollard System (Delta Scientific TT203 H)	40,382.74	
34 71 13 19-0024	EA	Counter Balanced Manual Bollard (Delta Scientific TT203 M)	11,893.21	
34 71 13 19-0025	EA	Pneumatic Bollard System (Delta Scientific TT203PB)	40,382.74	
34 71 13 19-0026	EA	Barricade System (Delta Scientific TT205)	87,298.91	
34 71 13 19-0027	EA	Barricade System (Delta Scientific TT207)	108,009.94	
34 71 13 19-0028	EA	Barricade System (Delta Scientific TT207S/FM)	121,406.80	
34 71 13 19-0029	EA	Hydraulic Bollard System (Delta Scientific TT210 H)	43,704.89	
34 71 13 19-0030	EA	Manual Security Bollard System (Delta Scientific TT210 M)	14,450.13	
34 71 13 19-0031	EA	Fixed Post Bollard System (Delta Scientific TT210FP)	6,391.15	
34 71 13 19-0032	EA	Pneumatic Bollard System (Delta Scientific TT210PB)	43,704.89	
34 71 13 19-0033	EA	Hydraulic Cable Beam Barrier (Delta Scientific TT212 H)	48,589.70	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0034	EA	Manual Cable Beam Barrier (Delta Scientific TT212 M)	28,410.75	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0035	EA	Enhanced Hydraulic Cable Beam Barrier (Delta Scientific TT212E H)	60,603.45	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0036	EA	Enhanced Manual Cable Beam Barrier (Delta Scientific TT212E M)	40,421.26	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0037	EA	Hydraulic Crash Beam Barrier (Delta Scientific TT212EC H)	76,161.42	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0038	EA	Manual Crash Beam Barrier (Delta Scientific TT212EC M)	61,805.36	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0039	EA	Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218 M)	35,234.07	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0040	EA	Cable Crash Beam Barrier (Manual Operation) (Delta Scientific TT218E M)	40,596.95	
		For Each Additional LF Of Beam >12', Add	*467.00*	
34 71 13 19-0041	EA	Hydraulic Heavy-Duty Swing Gate (Delta Scientific TT255)	27,048.23	
34 71 13 19-0042	EA	Linear Crash Rated Gate System (Delta Scientific TT280)	109,542.85	
34 71 13 19-0043	EA	High Security Rolling Gate (Delta Scientific TT300)	65,908.43	
34 71 13 19-0044	EA	Barricade System (Delta Scientific TW2015)	46,953.84	
34 71 13 19-0045	EA	Barricade System (Delta Scientific TW4030)	77,702.77	
34 71 13 19-0046	EA	Vehicle Loop Detector (Delta Scientific 3546-3NP, 3546-7NP, or 3546-8NP)	476.49	
34 71 13 19-0047	EA	Vehicle Loop Detector, Dual Relay Version, Power Resumption Safety (Delta Scientific 3546-DCNP)	575.36	

34 71 13 19-0048 Vehicle Barricade Systems Options (Delta Scientific Basic System or equal) *(34 71 13 19)*

34 71 13 19-0049	EA	Hydraulic Pumping Unit Enclosure, For DELTA HPU Only (Delta Scientific B1215)	5,493.00	
34 71 13 19-0050	EA	Master Control Panel With Reset And Override, Single Lane Control (Delta Scientific B1036TL)	4,259.09	
34 71 13 19-0051	EA	Remote Control Slave Panel With Annunciator (Delta Scientific B1086TL)	3,976.92	
34 71 13 19-0052	EA	Detector Harness, 11 Pin (Delta Scientific OC02-11)	63.93	
34 71 13 19-0053	EA	Electromagnetic Lock (Delta Scientific B4020)	3,782.92	
34 71 13 19-0054	EA	Flashing Lights, Set Of Three (Delta Scientific B4030)	1,245.54	
34 71 13 19-0055	EA	Barricade Fully Up (Or Down) Auxiliary Limit Switch (Delta Scientific B2021 Or B2020)	480.58	
34 71 13 19-0056	EA	Crash Switch, Activates Customers Alarm (Delta Scientific B4060)	725.28	
34 71 13 19-0057	EA	Emergency Manual Operating System, Hand Pump (Delta Scientific B1325)	952.34	
34 71 13 19-0058	EA	Three Phase Power Monitor (Delta Scientific B1255)	747.33	
34 71 13 19-0059	EA	Power Unit Mounted Disconnect (Delta Scientific B1260)	1,338.13	
34 71 13 19-0060	EA	Barrier System Heater (Delta Scientific B4010)	1,823.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 19-0061	EA	60 Watt Oil Reservoir Heater, Omega Units (Delta Scientific B1192)	879.60	
34 71 13 19-0062	EA	200 Watt Oil Reservoir Heater, Beta Units (Delta Scientific B1194)	867.16	
34 71 13 19-0063	EA	500 Watt Oil Reservoir Heater, Beta Units (Delta Scientific B1190)	1,106.15	
34 71 13 19-0064	EA	Battery Back-up, Controls Only (Delta Scientific B1155)	1,313.88	
34 71 13 19-0065	EA	Card Reader (Delta Scientific MPL-22)	1,305.06	

34 71 13 26 Vehicle Guide Rails *(34 71 13)*

34 71 13 26-0001 Mobilize Guide Rail Crew *(34 71 13 26)*

34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	1,399.29	

34 71 13 26-0003 Corrugated Beam Guide Rail *(34 71 13 26)*

34 71 13 26-0004 Corrugated Beam Guide Railing *(34 71 13 26-0003)*

34 71 13 26-0005 Corrugated Beam Guide Railing. Straight Sections *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0006	LF	Corrugated Beam Guide Railing	38.74	2.50
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	45.96	2.50

34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved *(34 71 13 26-0004)*

Note: Add additional length for back-up sections.

34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	52.03	2.50
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	61.99	2.50
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	140.50	2.50
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	161.23	2.50

34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections *(34 71 13 26-0003)*

34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	266.97	32.99
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	285.06	32.99
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	375.47	32.99
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	393.56	32.99
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	375.47	32.99
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	393.56	32.99

34 71 13 26-0020 Corrugated Beam Guide Rail End Terminal Systems *(34 71 13 26-0003)*

Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.

34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket, Type B And C	10,667.27	201.90
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	8,858.91	201.90
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	10,667.27	201.90
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	1,483.18	95.18
34 71 13 26-0025	EA	Terminal Support System, Type SFT	1,055.28	254.49
34 71 13 26-0026	EA	Terminal Support System, Type ET	5,199.07	720.26
34 71 13 26-0027	EA	Terminal Support System, Type SRT	5,644.89	720.26

34 71 13 26-0028 Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*

Note: Includes mounting hardware.

34 71 13 26-0029	EA	Standard Post For Corrugated Beam Guide Rail	313.31	17.97
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.79*	
34 71 13 26-0030	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	331.39	17.97
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.79*	
34 71 13 26-0031	EA	Extra Long Post For Corrugated Beam Guide Rail	349.47	17.97
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.79*	
34 71 13 26-0032	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	367.56	17.97
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.79*	
34 71 13 26-0033	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	313.31	17.97
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.79*	
34 71 13 26-0034	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	457.98	17.97
		For Installation In Rock, Add	*4.79*	

34 71 13 26-0035 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts *(34 71 13 26-0003)*

Note: Includes mounting hardware. Excludes triangular mounting brackets.

34 71 13 26-0036	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	313.31	17.97
34 71 13 26-0037	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	331.39	17.97
34 71 13 26-0038	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	349.47	17.97
34 71 13 26-0039	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail Note: For heavy post blocked out corrugated beam guide (rustic)	367.56	17.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0040	EA	Type A Post 1630mm Post	304.27	17.97
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type A Post 1630mm Post (Rustic)	322.35	17.97
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type B Post 1460mm	286.18	17.97
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Type B Post 1460mm (Rustic)	304.27	17.97
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044	EA	Type C Post 1290mm	268.10	17.97
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045	EA	Type C Post 1290mm (Rustic)	286.18	17.97
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,220.38	17.97
34 71 13 26-0047	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	114.39	17.97
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0048		**Corrugated Beam Guide Rail Accessories** *(34 71 13 26-0003)*		
34 71 13 26-0049	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	230.81	37.48
34 71 13 26-0050		**Corrugated Beam Guide Rail Repair for Existing Guide Rail** *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0051	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	14.65	
34 71 13 26-0052	EA	Install Stored Post For Corrugated Beam Guide Rail	49.97	
34 71 13 26-0053	LF	Install Stored Corrugated Beam Guide Railing And Post	8.49	
34 71 13 26-0054		**Corrugated Thrie Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0055		**Corrugated Thrie Beam Guide Railing. Straight Sections** *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Corrugated Thrie Beam Guide Railing	96.52	3.15
34 71 13 26-0057	LF	Corrugated Thrie Beam Guide Railing (Rustic)	102.04	3.15
34 71 13 26-0058		**Corrugated Thrie Beam Guide Railing. Shop Curved** *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0059	LF	Shop Curved Corrugated Thrie Beam Guide Railing	118.57	3.15
34 71 13 26-0060	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	124.08	3.15
34 71 13 26-0061		**Corrugated Thrie Beam Guide Rail Posts** *(34 71 13 26-0054)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0062	EA	Standard Post For Corrugated Thrie Beam Guide Rail	402.04	3.15
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0063	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	420.12	3.15
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0064		**Timber Guide Rails** *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065		**Timber Guide Rail Posts** *(34 71 13 26-0064)*		
34 71 13 26-0066	EA	6" x 8" Timber Guide Rail Post	121.21	12.49
34 71 13 26-0067	EA	6" x 9" Timber Guide Rail Post	138.62	12.49
34 71 13 26-0068	EA	10" x 10" Timber Guide Rail Post	275.06	12.49
34 71 13 26-0069	EA	10" x 12" Timber Guide Rail Post	291.33	12.49
34 71 13 26-0070	EA	12" x 12" Timber Guide Rail Post	337.72	12.49
34 71 13 26-0071		**Timber Guide Rails** *(34 71 13 26-0064)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072	LF	4" x 9" Timber Guide Rail	15.06	1.50
34 71 13 26-0073	LF	6" x 10" Timber Guide Rail	21.33	1.50
34 71 13 26-0074	LF	6" x 12" Timber Guide Rail	25.00	1.50
34 71 13 26-0075		**Spacer Blocks For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0076	EA	4" x 9" Spacer Block For Timber Guide Rails	19.59	2.00
34 71 13 26-0077	EA	6" x 8" Spacer Block For Timber Guide Rails	22.60	2.00
34 71 13 26-0078	EA	8" x 8" Spacer Block For Timber Guide Rails	26.43	2.00
34 71 13 26-0079		**Weathering Steel Backup Plates For Timber Guide Rails** *(34 71 13 26-0064)*		
34 71 13 26-0080	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	27.60	1.25
34 71 13 26-0081		**Weathering Steel Splice And Bearing Plates For Timber Guide Rails** *(34 71 13 26-0064)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0082	EA	Weathering Steel Splice Plate For Timber Guide Rails	190.09	17.49
34 71 13 26-0083	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	118.89	12.49
34 71 13 26-0084		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0085		**Cable Guide Rail** *(34 71 13 26-0084)*		
34 71 13 26-0086	LF	Cable (Each Cable) Note: Includes tensioning. Excludes splices.	19.03	2.70
34 71 13 26-0087	EA	Cable Splice With Wedges	567.50	18.74
34 71 13 26-0088		**Cable Guide Rail Posts** *(34 71 13 26-0084)* Note: Includes hardware for cable mounting.		
34 71 13 26-0089	EA	Standard Post for Cable Guide Rail	351.14	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0090	EA	Standard Post (Rustic) for Cable Guide Rail	369.23	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0091	EA	Extra Long Post for Cable Guide Rail	369.23	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0092	EA	Extra Long Post (Rustic) for Cable Guide Rail	387.31	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0093	EA	Slip Impact Post Top for Anchor Unit	248.96	23.97
34 71 13 26-0094	EA	Slip Impact Post Base and Keeper Plate Note: For anchor unit.	701.05	23.97
34 71 13 26-0095		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0084)*		
34 71 13 26-0096	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	948.67	250.37
34 71 13 26-0097	EA	Turnbuckle Cable End Assembly	378.36	12.51
34 71 13 26-0098	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,274.14	6.22
34 71 13 26-0099	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,310.31	6.22
34 71 13 26-0100	EA	Breakaway Anchor Angle	486.86	12.51
34 71 13 26-0101	EA	Standard End Post Cap Assembly	225.29	6.22
34 71 13 26-0102	EA	Driveway End Post Cap Assembly	189.13	6.22
34 71 13 26-0103	EA	End Post Ground Support Plates	98.71	6.22
34 71 13 26-0104	EA	11" Stud Bolt, Cable Guide Rail	85.15	6.22
34 71 13 26-0105	EA	18" Stud Bolt, Cable Guide Rail	103.23	6.22
34 71 13 26-0106	EA	25" Stud Bolt, Cable Guide Rail	121.31	6.22
34 71 13 26-0107	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	1,101.71	12.51
34 71 13 26-0108	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,174.04	12.51
34 71 13 26-0109	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	776.20	12.51
34 71 13 26-0110	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	478.46	6.22
34 71 13 26-0111	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	486.86	12.51
34 71 13 26-0112	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	513.25	18.74
34 71 13 26-0113		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0084)*		
34 71 13 26-0114	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	876.62	20.02
34 71 13 26-0115	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	1,744.63	20.02
34 71 13 26-0116	EA	Anchor Angle For Slip Impact Post System	496.86	20.02
34 71 13 26-0117	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	406.45	20.02
34 71 13 26-0118		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0084)* Note: Includes associated hardware.		
34 71 13 26-0119	LF	Retention Existing Cable (Each Cable)	1.67	
34 71 13 26-0120	LF	Removal And Storage Of Cable Guide Railing	10.06	
34 71 13 26-0121	EA	Install Stored Post For Cable Guide Railing	79.89	
34 71 13 26-0122	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	4.45	
34 71 13 26-0123		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0124		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0123)*		
34 71 13 26-0125		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0126	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	117.19	3.15
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0127	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	133.73	3.15
		For Flush Mounting Directly To Structure, Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0128	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices	139.83	3.15
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0129		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0130	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	180.58	3.15
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0131	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	197.12	3.15
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0132	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices.	215.78	3.15
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0133		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0123)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0134	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	1,858.33	37.48
34 71 13 26-0135	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	2,057.25	37.48
34 71 13 26-0136	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	1,749.83	37.48
34 71 13 26-0137	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	1,822.16	37.48
34 71 13 26-0138	EA	Box Beam Guiderail End Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	52,558.77	999.49
34 71 13 26-0139		**Splices For Box Beam Guide Rail** *(34 71 13 26-0123)*		
34 71 13 26-0140	EA	Splice For Box Beam Guide Rail	382.53	55.64
34 71 13 26-0141	EA	Splice For Box Beam Guide Rail (Rustic)	509.12	55.64
34 71 13 26-0142		**Box Beam Guide Rail Posts** *(34 71 13 26-0123)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0143	EA	Standard Post For Box Beam Guide Rail	369.23	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0144	EA	Standard Post (Rustic) for Box Beam Guide Railing	387.31	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0145	EA	Extra Long Post For Box Beam Guide Rail	405.39	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0146	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	423.48	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0147	EA	Type I End Assembly Post	351.14	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0148	EA	Type I End Assembly Post (Rustic)	369.23	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0149	EA	Type II End Assembly Post	333.06	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0150	EA	Type II End Assembly Post (Rustic)	351.14	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0151		**Box Beam Guide Rail Accessories** *(34 71 13 26-0123)*		
34 71 13 26-0152	EA	Box Beam Guide Rail End Cover Plate	232.00	11.25
34 71 13 26-0153	EA	Box Beam Guide Rail End Cover Plate (Rustic)	250.09	11.25
34 71 13 26-0154		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0123)* Note: For existing guide rail.		
34 71 13 26-0155	LF	Removal And Storage Of Box Beam Guide Rail And Post	4.93	
34 71 13 26-0156	LF	Reset Box Beam Guide Rail	14.41	
34 71 13 26-0157		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0158		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0157)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0159		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0158)*		
34 71 13 26-0160	LF	Box Beam Median Barrier Galvanized Excludes Splices	188.62	11.25
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0161	LF	Box Beam Median Barrier (Rustic) Excludes Splices	205.16	11.25
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0162		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0158)*		
34 71 13 26-0163	LF	Shop Curved Box Beam Median Barrier Galvanized	232.08	11.25
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0164	LF	Shop Curved Box Beam Median Barrier Rustic	286.35	11.25
		Note: Excludes splices.		
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0165		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0157)*		
		Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0166	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized	6,180.31	37.48
		Note: Excludes splices and post.		
34 71 13 26-0167	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic)	6,324.98	37.48
		Note: Excludes splices and post.		
34 71 13 26-0168	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized	6,180.31	37.48
		Note: Excludes splices and post.		
34 71 13 26-0169	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic)	6,324.98	37.48
		Note: Excludes splices and post.		
34 71 13 26-0170		**Splices For Box Beam Median Barrier** *(34 71 13 26-0157)*		
34 71 13 26-0171	EA	Splice for Box Beam Median Barrier	437.82	29.98
34 71 13 26-0172	EA	Splice for Box Beam Median Barrier (Rustic)	709.07	29.98
34 71 13 26-0173		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0157)*		
		Note: Includes all associated hardware.		
34 71 13 26-0174	EA	Standard Post for Box Beam Median Barrier	369.23	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0175	EA	Standard Post (Rustic) for Box Beam Median Barrier	387.31	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0176	EA	Extra Long Post for Box Beam Median Barrier	405.39	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0177	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	423.48	59.93
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0178	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam	333.06	59.93
		Note: For median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0179	EA	Type B End Treatment or Rub Back Anchor Post (Rustic)	333.06	59.93
		Note: For box beam median barrier.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0180	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete	405.39	59.93
		Note: For median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0181	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier	423.48	59.93
		Note: For Concrete median barrier transition.		
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*15.98*	
34 71 13 26-0182		**Box Beam Median Barrier Accessories** *(34 71 13 26-0157)*		
34 71 13 26-0183	EA	Box Beam Median Barrier End Cover Plate	266.02	26.39
34 71 13 26-0184	EA	Box Beam Median Barrier End Cover Plate (Rustic)	284.11	26.39
34 71 13 26-0185		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0157)*		
		Note: For existing guide rail.		
34 71 13 26-0186	LF	Removal And Storage Of Box Beam Median Barrier and Posts	5.10	
34 71 13 26-0187	LF	Reset Box Beam Median Barrier	15.09	
34 71 13 26-0188		**Universal Guide Rail Items** *(34 71 13 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0189		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0188)*		
		Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0190	CY	Guide Rail Concrete Anchor Unit	866.07	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0191	EA	Reset Existing Anchorage Unit for All Types of Guide Rail	573.15	
		Note: Includes excavation and backfill.		
34 71 13 26-0192	EA	Removal Of Guide Rail Concrete Anchor Unit	653.88	
34 71 13 26-0193		**Guide Rail Repair For All Types Of Existing Guide Rail** *(34 71 13 26-0188)*		
		Note: Includes associated hardware.		
34 71 13 26-0194	EA	Straighten And Reset Driven Post For Guide Rail	79.89	
34 71 13 26-0195	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail	105.93	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0196		**Additional Wood and Steel Posts** *(34 71 13 26-0188)*		
34 71 13 26-0197	LF	4" x 6" Wood Post	112.58	20.02
		For Installation In Rock, Add	*5.34*	
34 71 13 26-0198	LF	6" x 8" Wood Post	139.70	20.02
		For Installation In Rock, Add	*5.34*	
34 71 13 26-0199	LF	6" x 7/8" Galvanized Steel Post	77.92	20.02
		For Installation In Rock, Add	*5.34*	
34 71 13 26-0200	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	845.57	20.02
34 71 13 26-0201		**Accessories For All Types of Guide Rail** *(34 71 13 26-0188)*		
34 71 13 26-0202	EA	Reflector For Guard Rail	112.70	
34 71 13 26-0203		**Individual Concrete Guard Rail Posts** *(34 71 13 26)*		
34 71 13 26-0204	EA	6'-5" Concrete Guard Rail Posts, Round	94.07	7.69
34 71 13 26-0205	EA	6'-5" Concrete Posts, Square	105.23	8.64
34 71 13 26-0206	EA	6'-5" Concrete Posts, Triangular	102.49	8.64
34 71 13 26-0207		**Guide Rail Transitions** *(34 71 13 26)*		
34 71 13 26-0208		**Transition Box Beam Guide Rail To Corrugated Beam** *(34 71 13 26-0207)*		
34 71 13 26-0209	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,418.85	
34 71 13 26-0210	EA	Box Beam To Corrugated Beam Rail Bolted Plate	695.50	
		Note: For making cable connections.		
34 71 13 26-0211		**Transition Box Beam Median Barrier To Corrugated Beam Median** *(34 71 13 26-0207)*		
34 71 13 26-0212	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,455.01	
34 71 13 26-0213	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate	695.50	
		Note: For making cable connections.		
34 71 13 26-0214		**Transition Box Beam Guide Rail To Cable Guide Rail** *(34 71 13 26-0207)*		
34 71 13 26-0215	EA	Box Beam to Cable Guide Rail U-bolt And Plate	214.22	19.99
34 71 13 26-0216		**Transition Box Beam Median Barrier To Concrete Median Barrier** *(34 71 13 26-0207)*		
34 71 13 26-0217	EA	Box Beam Median Barrier To Concrete Barrier End Connection	2,142.19	
34 71 13 26-0218		**Transition Thrie Beam To Concrete Median Barrier** *(34 71 13 26-0207)*		
34 71 13 26-0219	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,238.01	
34 71 13 26-0220	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,690.10	
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		**Guard Rail Energy Absorbing Terminals** *(34 71 16)*		
		Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. One Bay consists of one Cartridge, one Diaphragm, and two Fender Panels. The Nose section is not considered a Bay, though there is a Cartridge in the Nose of each system. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		**24" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	40,757.62	3,956.65
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	56,665.28	5,275.54
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	77,411.07	6,924.14
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	85,801.68	8,572.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0007		30" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	43,835.45	4,451.24
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	61,136.44	5,934.98
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	83,970.71	7,913.31
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	96,028.84	9,561.92
34 71 16 00-0012		36" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	46,950.32	4,945.82
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	65,643.77	6,594.43
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	89,835.76	8,737.61
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	106,217.93	10,551.08
34 71 16 00-0017		69" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	50,817.42	5,440.40
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	70,444.37	7,253.87
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	96,872.09	9,561.92
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	113,985.80	11,540.25
34 71 16 00-0022		90" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	54,793.74	5,934.98
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	75,373.24	7,913.31
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	104,824.73	10,551.08
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	121,978.62	12,529.41
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	100.77	9.60
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator	102.20	9.60
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	103.63	9.60
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator	105.06	9.60

34 73 Airfield Construction *(34 70)*

34 73 33 Airfield Paving *(34 73)*

34 73 33 00-0001		Concrete Runway Paving And Repair *(34 73 33)*		
34 73 33 00-0002		Concrete Runway Paving *(34 73 33 00-0001)*		
		Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
34 73 33 00-0003	SY	4" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	70.69	
		For Up To 100, Add	*27.15*	
		For >100 To 250, Add	*15.48*	
		For >250 To 500, Add	*7.74*	
		For >1,000 To 2,000, Deduct	*-1.91*	
		For >2,000 To 5,000, Deduct	*-3.67*	
		For >5,000 To 10,000, Deduct	*-5.44*	
		For >10,000 To 20,000, Deduct	*-7.21*	
		For >20,000, Deduct	*-8.98*	
		For 5,000 PSI, Deduct	*-3.82*	
		For 4,500 PSI, Deduct	*-6.49*	
		For 7,500 PSI, Add	*12.02*	
		For 9,000 PSI, Add	*37.01*	
		For 10,500 PSI, Add	*51.50*	
		For 12,000 PSI, Add	*68.67*	
34 73 33 00-0004	SY	5" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	84.03	
		For Up To 100, Add	*31.27*	
		For >100 To 250, Add	*18.03*	
		For >250 To 500, Add	*9.01*	
		For >1,000 To 2,000, Deduct	*-2.39*	
		For >2,000 To 5,000, Deduct	*-4.49*	
		For >5,000 To 10,000, Deduct	*-6.60*	
		For >10,000 To 20,000, Deduct	*-8.70*	
		For >20,000, Deduct	*-10.80*	
		For 5,000 PSI, Deduct	*-4.79*	
		For 4,500 PSI, Deduct	*-8.14*	
		For 7,500 PSI, Add	*15.08*	
		For 9,000 PSI, Add	*46.44*	
		For 10,500 PSI, Add	*64.64*	
		For 12,000 PSI, Add	*86.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0005	SY	6" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	89.66	
		For Up To 100, Add	*33.60*	
		For >100 To 250, Add	*19.32*	
		For >250 To 500, Add	*9.66*	
		For >1,000 To 2,000, Deduct	*-2.53*	
		For >2,000 To 5,000, Deduct	*-4.77*	
		For >5,000 To 10,000, Deduct	*-7.01*	
		For >10,000 To 20,000, Deduct	*-9.25*	
		For >20,000, Deduct	*-11.49*	
		For 5,000 PSI, Deduct	*-5.05*	
		For 4,500 PSI, Deduct	*-8.59*	
		For 7,500 PSI, Add	*15.91*	
		For 9,000 PSI, Add	*48.99*	
		For 10,500 PSI, Add	*68.18*	
		For 12,000 PSI, Add	*90.90*	
34 73 33 00-0006	SY	7" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	107.07	
		For Up To 100, Add	*38.77*	
		For >100 To 250, Add	*22.57*	
		For >250 To 500, Add	*11.28*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000 To 5,000, Deduct	*-5.86*	
		For >5,000 To 10,000, Deduct	*-8.54*	
		For >10,000 To 20,000, Deduct	*-11.21*	
		For >20,000, Deduct	*-13.89*	
		For 5,000 PSI, Deduct	*-6.37*	
		For 4,500 PSI, Deduct	*-10.83*	
		For 7,500 PSI, Add	*20.06*	
		For 9,000 PSI, Add	*61.78*	
		For 10,500 PSI, Add	*85.98*	
		For 12,000 PSI, Add	*114.64*	
34 73 33 00-0007	SY	8" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	121.97	
		For Up To 100, Add	*45.22*	
		For >100 To 250, Add	*26.10*	
		For >250 To 500, Add	*13.05*	
		For >1,000 To 2,000, Deduct	*-3.50*	
		For >2,000 To 5,000, Deduct	*-6.54*	
		For >5,000 To 10,000, Deduct	*-9.59*	
		For >10,000 To 20,000, Deduct	*-12.64*	
		For >20,000, Deduct	*-15.69*	
		For 5,000 PSI, Deduct	*-6.99*	
		For 4,500 PSI, Deduct	*-11.88*	
		For 7,500 PSI, Add	*22.02*	
		For 9,000 PSI, Add	*67.81*	
		For 10,500 PSI, Add	*94.38*	
		For 12,000 PSI, Add	*125.84*	
34 73 33 00-0008	SY	9" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	138.26	
		For Up To 100, Add	*50.64*	
		For >100 To 250, Add	*29.36*	
		For >250 To 500, Add	*14.68*	
		For >1,000 To 2,000, Deduct	*-4.04*	
		For >2,000 To 5,000, Deduct	*-7.50*	
		For >5,000 To 10,000, Deduct	*-10.95*	
		For >10,000 To 20,000, Deduct	*-14.41*	
		For >20,000, Deduct	*-17.87*	
		For 5,000 PSI, Deduct	*-8.08*	
		For 4,500 PSI, Deduct	*-13.73*	
		For 7,500 PSI, Add	*25.45*	
		For 9,000 PSI, Add	*78.36*	
		For 10,500 PSI, Add	*109.05*	
		For 12,000 PSI, Add	*145.40*	
34 73 33 00-0009	SY	10" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	153.93	
		For Up To 100, Add	*56.81*	
		For >100 To 250, Add	*32.85*	
		For >250 To 500, Add	*16.43*	
		For >1,000 To 2,000, Deduct	*-4.44*	
		For >2,000 To 5,000, Deduct	*-8.29*	
		For >5,000 To 10,000, Deduct	*-12.14*	
		For >10,000 To 20,000, Deduct	*-15.99*	
		For >20,000, Deduct	*-19.84*	
		For 5,000 PSI, Deduct	*-8.89*	
		For 4,500 PSI, Deduct	*-15.11*	
		For 7,500 PSI, Add	*27.99*	
		For 9,000 PSI, Add	*86.19*	
		For 10,500 PSI, Add	*119.96*	
		For 12,000 PSI, Add	*159.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0010	SY	12" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	183.30	
		For Up To 100, Add	*67.89*	
		For >100 To 250, Add	*39.21*	
		For >250 To 500, Add	*19.60*	
		For >1,000 To 2,000, Deduct	*-5.26*	
		For >2,000 To 5,000, Deduct	*-9.84*	
		For >5,000 To 10,000, Deduct	*-14.43*	
		For >10,000 To 20,000, Deduct	*-19.01*	
		For >20,000, Deduct	*-23.59*	
		For 5,000 PSI, Deduct	*-10.52*	
		For 4,500 PSI, Deduct	*-17.89*	
		For 7,500 PSI, Add	*33.14*	
		For 9,000 PSI, Add	*102.06*	
		For 10,500 PSI, Add	*142.05*	
		For 12,000 PSI, Add	*189.40*	
34 73 33 00-0011	SY	15" Concrete Pavement, 6,000 PSI Assembly Airfield Paving	232.84	
		For Up To 100, Add	*88.02*	
		For >100 To 250, Add	*50.47*	
		For >250 To 500, Add	*25.24*	
		For >1,000 To 2,000, Deduct	*-6.46*	
		For >2,000 To 5,000, Deduct	*-12.28*	
		For >5,000 To 10,000, Deduct	*-18.10*	
		For >10,000 To 20,000, Deduct	*-23.92*	
		For >20,000, Deduct	*-29.74*	
		For 5,000 PSI, Deduct	*-12.92*	
		For 4,500 PSI, Deduct	*-21.97*	
		For 7,500 PSI, Add	*40.70*	
		For 9,000 PSI, Add	*125.33*	
		For 10,500 PSI, Add	*174.43*	
		For 12,000 PSI, Add	*232.58*	

34 73 33 00-0012 Concrete Runway Paving Repair *(34 73 33 00-0001)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix. Excludes saw cutting, breakup and removal See CSI section 02 41 13 13-0018 for concrete removal, 02 41 19 13-0057 for saw cutting concrete.

34 73 33 00-0013	SY	4" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	78.82	
		For Up To 100, Add	*32.03*	
		For >100 To 250, Add	*17.92*	
		For >250 To 500, Add	*8.96*	
		For 5,000 PSI, Deduct	*-3.82*	
		For 4,500 PSI, Deduct	*-6.49*	
		For 7,500 PSI, Add	*12.02*	
		For 9,000 PSI, Add	*37.01*	
		For 10,500 PSI, Add	*51.50*	
		For 12,000 PSI, Add	*68.67*	
34 73 33 00-0014	SY	5" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	93.07	
		For Up To 100, Add	*36.69*	
		For >100 To 250, Add	*20.74*	
		For >250 To 500, Add	*10.37*	
		For 5,000 PSI, Deduct	*-4.79*	
		For 4,500 PSI, Deduct	*-8.14*	
		For 7,500 PSI, Add	*15.08*	
		For 9,000 PSI, Add	*46.44*	
		For 10,500 PSI, Add	*64.64*	
		For 12,000 PSI, Add	*86.18*	
34 73 33 00-0015	SY	6" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	99.45	
		For Up To 100, Add	*39.47*	
		For >100 To 250, Add	*22.26*	
		For >250 To 500, Add	*11.13*	
		For 5,000 PSI, Deduct	*-5.05*	
		For 4,500 PSI, Deduct	*-8.59*	
		For 7,500 PSI, Add	*15.91*	
		For 9,000 PSI, Add	*48.99*	
		For 10,500 PSI, Add	*68.18*	
		For 12,000 PSI, Add	*90.90*	
34 73 33 00-0016	SY	7" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	117.92	
		For Up To 100, Add	*45.28*	
		For >100 To 250, Add	*25.82*	
		For >250 To 500, Add	*12.91*	
		For 5,000 PSI, Deduct	*-6.37*	
		For 4,500 PSI, Deduct	*-10.83*	
		For 7,500 PSI, Add	*20.06*	
		For 9,000 PSI, Add	*61.78*	
		For 10,500 PSI, Add	*85.98*	
		For 12,000 PSI, Add	*114.64*	
34 73 33 00-0017	SY	8" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	134.98	
		For Up To 100, Add	*53.02*	
		For >100 To 250, Add	*30.01*	
		For >250 To 500, Add	*15.00*	
		For 5,000 PSI, Deduct	*-6.99*	
		For 4,500 PSI, Deduct	*-11.88*	
		For 7,500 PSI, Add	*22.02*	
		For 9,000 PSI, Add	*67.81*	
		For 10,500 PSI, Add	*94.38*	
		For 12,000 PSI, Add	*125.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0018	SY	9" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	152.60	
		For Up To 100, Add	*59.25*	
		For >100 To 250, Add	*33.66*	
		For >250 To 500, Add	*16.83*	
		For 5,000 PSI, Deduct	*-8.08*	
		For 4,500 PSI, Deduct	*-13.73*	
		For 7,500 PSI, Add	*25.45*	
		For 9,000 PSI, Add	*78.36*	
		For 10,500 PSI, Add	*109.05*	
		For 12,000 PSI, Add	*145.40*	
34 73 33 00-0019	SY	10" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	170.20	
		For Up To 100, Add	*66.58*	
		For >100 To 250, Add	*37.73*	
		For >250 To 500, Add	*18.87*	
		For 5,000 PSI, Deduct	*-8.89*	
		For 4,500 PSI, Deduct	*-15.11*	
		For 7,500 PSI, Add	*27.99*	
		For 9,000 PSI, Add	*86.19*	
		For 10,500 PSI, Add	*119.96*	
		For 12,000 PSI, Add	*159.95*	
34 73 33 00-0020	SY	12" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	202.83	
		For Up To 100, Add	*79.61*	
		For >100 To 250, Add	*45.07*	
		For >250 To 500, Add	*22.53*	
		For 5,000 PSI, Deduct	*-10.52*	
		For 4,500 PSI, Deduct	*-17.89*	
		For 7,500 PSI, Add	*33.14*	
		For 9,000 PSI, Add	*102.06*	
		For 10,500 PSI, Add	*142.05*	
		For 12,000 PSI, Add	*189.40*	
34 73 33 00-0021	SY	15" Concrete Pavement, 6,000 PSI Assembly Airfield Paving Repair	258.75	
		For Up To 100, Add	*103.57*	
		For >100 To 250, Add	*58.24*	
		For >250 To 500, Add	*29.12*	
		For 5,000 PSI, Deduct	*-12.92*	
		For 4,500 PSI, Deduct	*-21.97*	
		For 7,500 PSI, Add	*40.70*	
		For 9,000 PSI, Add	*125.33*	
		For 10,500 PSI, Add	*174.43*	
		For 12,000 PSI, Add	*232.58*	

34 73 33 00-0022 Bituminous Runway Paving And Repair *(34 73 33)*

34 73 33 00-0023 Bituminous Surface Courses *(34 73 33 00-0022)*

34 73 33 00-0024	SY	1" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	9.85
34 73 33 00-0025	SY	1-1/2" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	14.33
34 73 33 00-0026	SY	2" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	18.83
34 73 33 00-0027	SY	2-1/2" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	22.37
34 73 33 00-0028	SY	3" Thick Bituminous Surface Course Airfield Paving Note: Includes placement, rolling, finishing and sweeping. See CSI section 02 41 13 13-0018 for bituminous removal.	25.93

34 73 33 00-0029 Bituminous Surface Courses Repair *(34 73 33 00-0022)*

Note: Excludes saw cutting, breakup and removal. See CSI section 02 41 13 13-0018 for bituminous removal.

34 73 33 00-0030	SY	1" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	10.83	
		For Up To 100, Add	*4.13*	
		For >100 To 250, Add	*2.36*	
		For >250 To 500, Add	*1.18*	
34 73 33 00-0031	SY	1-1/2" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	15.68	
		For Up To 100, Add	*5.85*	
		For >100 To 250, Add	*3.37*	
		For >250 To 500, Add	*1.68*	
34 73 33 00-0032	SY	2" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	20.56	
		For Up To 100, Add	*7.59*	
		For >100 To 250, Add	*4.39*	
		For >250 To 500, Add	*2.19*	
34 73 33 00-0033	SY	2-1/2" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	24.25	
		For Up To 100, Add	*8.62*	
		For >100 To 250, Add	*5.05*	
		For >250 To 500, Add	*2.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0034	SY	3" Thick Bituminous Surface Course Airfield Paving Repair Note: Includes placement, rolling, finishing and sweeping.	28.15	
		For Up To 100, Add	*9.77*	
		For >100 To 250, Add	*5.78*	
		For >250 To 500, Add	*2.89*	

34 73 33 00-0035 Jet Fuel Resistant Seal Coat *(34 73 33)*

Note: Includes sweeping and cleaning of area.

34 73 33 00-0036	SY	Roller Applied, SkidGuard Road Grade Black Jet Fuel Resistant Seal Coat (0.1125 Gallon/SY)	14.49	
34 73 33 00-0037	SY	Spray Applied, SkidGuard Road Grade Black Jet Fuel Resistant Seal Coat (0.27 Gallon/SY)	20.38	
34 73 33 00-0038	SY	Up To 500 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	6.45	
34 73 33 00-0039	SY	>500 To 1000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	5.09	
34 73 33 00-0040	SY	>1000 To 5000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	4.18	
34 73 33 00-0041	SY	>5000 To 20000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	3.59	
34 73 33 00-0042	SY	>20000 SY, Spray Applied, CarbonSeal-FR Jet Fuel Resistant Seal Coat (0.27 Gallon/SY) Note: Fuel resistant concentrate cut 20% by volume.	3.29	
34 73 33 00-0043	SY	Up To 500 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	4.79	
34 73 33 00-0044	SY	>500 To 1000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	3.43	
34 73 33 00-0045	SY	>1000 To 5000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	2.52	
34 73 33 00-0046	SY	>5000 To 20000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	1.93	
34 73 33 00-0047	SY	>20000 SY, Spray Applied, TractionSeal-FP Jet Fuel Proof Seal Coat (0.1 Gallon/SY) Note: Fuel proof concentrate cut 50% by volume.	1.63	

34 73 33 00-0048 Runway Pavement Markings *(34 73 33)*

34 73 33 00-0049 Polyester/Acrylic Reflective Runway Pavement Markings *(34 73 33 00-0048)*

34 73 33 00-0050	LF	4" Wide Polyester/Acrylic Reflective Runway Pavement Striping	0.65	
34 73 33 00-0051	LF	6" Wide Polyester/Acrylic Reflective Runway Pavement Striping	0.89	
34 73 33 00-0052	LF	8" Wide Polyester/Acrylic Reflective Runway Pavement Striping	1.17	
34 73 33 00-0053	LF	12" Wide Polyester/Acrylic Reflective Runway Pavement Striping	1.68	
34 73 33 00-0054	EA	6" Polyester/Acrylic Reflectorized Runway Pavement Letter	4.44	
		For <10, Add	*0.59*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 200, Deduct	*-0.39*	
		For >200, Deduct	*-0.78*	
34 73 33 00-0055	EA	12" Polyester/Acrylic Reflectorized Runway Pavement Letter	8.01	
		For <10, Add	*0.89*	
		For >50 To 100, Deduct	*-0.44*	
		For >100 To 200, Deduct	*-0.59*	
		For >200, Deduct	*-1.18*	
34 73 33 00-0056	EA	24" Polyester/Acrylic Reflectorized Runway Pavement Letter	18.24	
		For <10, Add	*1.47*	
		For >50 To 100, Deduct	*-0.74*	
		For >100 To 200, Deduct	*-0.98*	
		For >200, Deduct	*-1.96*	
34 73 33 00-0057	EA	36" Polyester/Acrylic Reflectorized Runway Pavement Letter	38.57	
		For <10, Add	*2.94*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 200, Deduct	*-1.96*	
		For >200, Deduct	*-3.93*	
34 73 33 00-0058	EA	48" Polyester/Acrylic Reflectorized Runway Pavement Letter	55.69	
		For <10, Add	*3.30*	
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 200, Deduct	*-2.20*	
		For >200, Deduct	*-4.40*	
34 73 33 00-0059	EA	72" Polyester/Acrylic Reflectorized Runway Pavement Letter	114.94	
		For <10, Add	*5.88*	
		For >50 To 100, Deduct	*-2.94*	
		For >100 To 200, Deduct	*-3.92*	
		For >200, Deduct	*-7.83*	
34 73 33 00-0060	EA	96" Polyester/Acrylic Reflectorized Runway Pavement Letter	187.30	
		For <10, Add	*7.89*	
		For >50 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-5.26*	
		For >200, Deduct	*-10.52*	
34 73 33 00-0061	EA	120" Polyester/Acrylic Reflectorized Runway Pavement Letter	275.65	
		For <10, Add	*9.78*	
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-6.52*	
		For >200, Deduct	*-13.04*	
34 73 33 00-0062	SF	Polyester/Acrylic Reflective Runway Pavement Striping For Areas >12" Wide	1.85	
34 73 33 00-0063	SF	Polyester/Acrylic Reflectorized Runway Pavement Markings, Symbols	9.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 73 33 00-0064		**Remove Reflective Markings From Runway** *(34 73 33 00-0048)*		
		Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.		
34 73 33 00-0065	EA	Initial Set-up And Final Equipment Removal For Stripe Removal From Runways	7,702.65	
34 73 33 00-0066	LF	Removal Of 4" Runway Pavement Stripe	5.82	
34 73 33 00-0067	LF	Removal Of 6" Runway Pavement Stripe	7.17	
34 73 33 00-0068	LF	Removal Of 8" Runway Pavement Stripe	8.67	
34 73 33 00-0069	LF	Removal Of 12" Runway Pavement Stripe	10.61	
34 73 33 00-0070	SF	Removal Of Runway Pavement Letters And Symbols	10.61	
34 73 33 00-0071		**Runway Pavement Rubber Or Paint Removal** *(34 73 33)*		
		Note: Mechanical rubber removal equipment includes waterblasting, shotblasting, sandblasting, or other approved non-chemical systems. Control equipment to be used on asphalt or tar concrete to remove rubber accumulations and minimize disturbance to asphalt or tar mixtures. Equipment to be used on portland cement concretes shall be controlled to remove rubber accumulations and prevent removal of hardened paste from the concrete. Recovery of debris and disposal to a dumpster.		
34 73 33 00-0072	EA	Initial Set-up And Final Equipment Removal For Rubber Or Paint Removal From Runways	7,702.65	
34 73 33 00-0073	SF	Removal Of Rubber From Runways	0.59	
34 73 33 00-0074	SF	Removal Of Paint From Runway Center Line And Edge Stripes	2.16	
34 73 33 00-0075	SF	Removal Of Paint From Runway Areas Other Than Center Line And Edge Stripes	5.09	
34 73 33 00-0076		**Runway Pavement Friction Testing** *(34 73 33)*		
34 73 33 00-0077	EA	Friction Testing Of Runways	9,186.42	
		Note: Includes mobilization of personnel and equipment necessary and report preparation for each test.		

34 80 Bridges *(34)*

34 82 Bridge Specialties *(34 80)*

34 82 23 Bridge Railing *(34 82)*

34 82 23 00-0001		**Metal Bridge Railing** *(34 82 23)*		
		Note: Includes hardware for bridge rail mounting.		
34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing	47.70	4.16
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing	86.37	6.48
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing	108.49	9.49
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing	141.59	11.95
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing	116.23	9.22
34 82 23 00-0007		**Bridge Post** *(34 82 23)*		
		Note: Includes hardware for bridge post mounting.		
34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post	213.46	53.18
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post	277.97	56.50
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly	679.61	99.70
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly	855.30	106.34
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly	768.43	106.34
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly	953.35	106.34
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly	700.62	106.34
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly	999.94	109.67
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly	977.04	109.67
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly	1,237.07	109.67
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post	785.89	112.99
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post	786.14	112.99
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly	1,250.88	112.99
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly	1,288.64	112.99
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly	882.01	119.64
34 82 23 00-0023		**Bridge Railing Splices** *(34 82 23)*		
		Note: Includes hardware for splices.		
34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice	396.39	25.62
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice	226.16	22.42
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice	136.20	16.01
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice	64.86	11.52
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube	293.88	24.77
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar	315.10	24.77
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube	265.95	24.77
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar	273.63	24.77
34 82 23 00-0032	EA	6" x 6' x 3/16" Box x 9' Flare Tube	396.79	33.46
34 82 23 00-0033		**Transition For Bridge Railing** *(34 82 23)*		
		Note: Includes hardware for transition for bridge railing.		
34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices	1,621.76	132.93
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices	1,728.21	139.58
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices	2,035.75	146.22
34 82 23 00-0037	EA	6" x 6" x 16-1/2' Bottom Transition Tube	672.35	66.47
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube	839.79	73.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0039	EA	8" x 6" x 16-1/2' Bottom Transition Tube	797.31	66.47
34 82 23 00-0040	EA	6" x 6" x 16-1/2' Top Transition Tube	691.13	66.47
34 82 23 00-0041	EA	6" x 6" x 21-1/2' Top Transition Tube	824.28	73.12
34 82 23 00-0042	EA	8" x 6" x 16-1/2' Top Transition Tube	820.62	66.47
34 82 23 00-0043	EA	6" x 6" x 16-1/2' Middle Transition Tube	646.60	66.47
34 82 23 00-0044	EA	8" x 6" x 16-1/2' Middle Transition Tube	808.96	66.47
34 82 23 00-0045		Anchor Plates And End Caps For Bridge Railing *(34 82 23)*		
34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate	71.91	6.41
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate	441.76	32.03
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap	60.72	3.21
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap	36.59	3.21
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap	36.31	3.21

34 82 26 Bridge Slope Protection *(34 82)*

34 82 26 00-0001 Bridge Slope Protection *(34 82 26)*

Note: Solid concrete masonry unit installed in sand bedding.

34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection	16.07	6.05
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection	19.25	6.67
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection	21.33	7.09

34 82 29 Bridge Drainage *(34 82)*

34 82 29 00-0001 Bridge Scuppers *(34 82 29)*

Note: Includes anchors and hardware. Excludes formwork and concrete for setting replacement scupper. Demolition includes saw cutting and concrete removal. As manufactured by Syracuse Castings.

34 82 29 00-0002	EA	Type A2, 18-1/2" x 6-7/8" Galvanized Steel Bridge Scupper	2,548.02	194.99
34 82 29 00-0003	EA	Type B2, 22-1/3" x 18-3/4" Galvanized Steel Bridge Scupper, With Grate	3,618.26	243.74
34 82 29 00-0004	EA	21-1/8" x 17-1/2" Galvanized Steel Grate For Type B2 Scupper	428.84	24.37
34 82 29 00-0005	EA	2" Bridge Scupper Pavement Riser	810.16	

34 82 29 00-0006 Bridge Downspout *(34 82 29)*

Note: Includes anchors and hardware.

34 82 29 00-0007	LF	7" x 5" x 1/2" Galvanized Steel Bridge Downspout	193.32	9.63
34 82 29 00-0008	LF	6" x 6" x 1/2" Galvanized Steel Bridge Downspout	193.32	9.63

END OF SECTION 34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 01 Operation and Maintenance of Waterway and Marine Construction *(35)*

35 01 50 Operation And Maintenance of Marine Construction *(35 01)*

35 01 50 10 Cleaning Of Marine Pier Piles *(35 01 50)*

35 01 50 10-0001 Clean Wood Piles From Boat *(35 01 50 10)*

Note: Exposed piles pressure washing from boat

35 01 50 10-0002	EA	Clean 8" Diameter, 5' Length, Wood Piles From Boat	137.12
35 01 50 10-0003	EA	Clean 8" Diameter, >5' To 10' Length, Wood Piles From Boat	259.10
35 01 50 10-0004	EA	Clean 8" Diameter, >10' To 15' Length, Wood Piles From Boat	358.76
35 01 50 10-0005	EA	Clean 10" Diameter, 5' Length, Wood Piles From Boat	169.62
35 01 50 10-0006	EA	Clean 10" Diameter, >5' To 10' Length, Wood Piles From Boat	321.61
35 01 50 10-0007	EA	Clean 10" Diameter, >10' To 15' Length, Wood Piles From Boat	466.31
35 01 50 10-0008	EA	Clean 12" Diameter, 5' Length, Wood Piles From Boat	202.70
35 01 50 10-0009	EA	Clean 12" Diameter, >5' To 10' Length, Wood Piles From Boat	388.64
35 01 50 10-0010	EA	Clean 12" Diameter, >10' To 15' Length, Wood Piles From Boat	548.64
35 01 50 10-0011	EA	Clean 14" Diameter, 5' Length, Wood Piles From Boat	239.13
35 01 50 10-0012	EA	Clean 14" Diameter, >5' To 10' Length, Wood Piles From Boat	444.16
35 01 50 10-0013	EA	Clean 14" Diameter, >10' To 15' Length, Wood Piles From Boat	621.80

35 01 50 10-0014 Clean Concrete Piles From Boat *(35 01 50 10)*

Note: Exposed piles pressure washing from boat

35 01 50 10-0015	EA	Clean 12" Diameter, 5' Length, Concrete Piles From Boat	166.56
35 01 50 10-0016	EA	Clean 12" Diameter, >5' To 10' Length, Concrete Piles From Boat	321.61
35 01 50 10-0017	EA	Clean 12" Diameter, >10' To 15' Length, Concrete Piles From Boat	466.31
35 01 50 10-0018	EA	Clean 14" Diameter, 5' Length, Concrete Piles From Boat	194.24
35 01 50 10-0019	EA	Clean 14" Diameter, >5' To 10' Length, Concrete Piles From Boat	373.04
35 01 50 10-0020	EA	Clean 14" Diameter, >10' To 15' Length, Concrete Piles From Boat	518.19
35 01 50 10-0021	EA	Clean 16" Diameter, 5' Length, Concrete Piles From Boat	222.08
35 01 50 10-0022	EA	Clean 16" Diameter, >5' To 10' Length, Concrete Piles From Boat	423.91
35 01 50 10-0023	EA	Clean 16" Diameter, >10' To 15' Length, Concrete Piles From Boat	582.89
35 01 50 10-0024	EA	Clean 18" Diameter, 5' Length, Concrete Piles From Boat	252.10
35 01 50 10-0025	EA	Clean 18" Diameter, >5' To 10' Length, Concrete Piles From Boat	466.31
35 01 50 10-0026	EA	Clean 18" Diameter, >10' To 15' Length, Concrete Piles From Boat	666.09
35 01 50 10-0027	EA	Clean 20" Diameter, 5' Length, Concrete Piles From Boat	274.25
35 01 50 10-0028	EA	Clean 20" Diameter, >5' To 10' Length, Concrete Piles From Boat	518.19
35 01 50 10-0029	EA	Clean 20" Diameter, >10' To 15' Length, Concrete Piles From Boat	777.14
35 01 50 10-0030	EA	Clean 24" Diameter, 5' Length, Concrete Piles From Boat	333.12
35 01 50 10-0031	EA	Clean 24" Diameter, >5' To 10' Length, Concrete Piles From Boat	621.80
35 01 50 10-0032	EA	Clean 24" Diameter, >10' To 15' Length, Concrete Piles From Boat	932.62
35 01 50 10-0033	EA	Clean 30" Diameter, 5' Length, Concrete Piles From Boat	411.95
35 01 50 10-0034	EA	Clean 30" Diameter, >5' To 10' Length, Concrete Piles From Boat	777.21
35 01 50 10-0035	EA	Clean 30" Diameter, >10' To 15' Length, Concrete Piles From Boat	1,132.48
35 01 50 10-0036	EA	Clean 36" Diameter, 5' Length, Concrete Piles From Boat	490.80
35 01 50 10-0037	EA	Clean 36" Diameter, >5' To 10' Length, Concrete Piles From Boat	932.62
35 01 50 10-0038	EA	Clean 36" Diameter, >10' To 15' Length, Concrete Piles From Boat	1,332.34
35 01 50 10-0039	EA	Clean 42" Diameter, 5' Length, Concrete Piles From Boat	562.34
35 01 50 10-0040	EA	Clean 42" Diameter, >5' To 10' Length, Concrete Piles From Boat	1,032.56
35 01 50 10-0041	EA	Clean 42" Diameter, >10' To 15' Length, Concrete Piles From Boat	1,465.58
35 01 50 10-0042	EA	Clean 48" Diameter, 5' Length, Concrete Piles From Boat	633.90
35 01 50 10-0043	EA	Clean 48" Diameter, >5' To 10' Length, Concrete Piles From Boat	1,132.48
35 01 50 10-0044	EA	Clean 48" Diameter, >10' To 15' Length, Concrete Piles From Boat	1,598.79
35 01 50 10-0045	EA	Clean 54" Diameter, 5' Length, Concrete Piles From Boat	777.14
35 01 50 10-0046	EA	Clean 54" Diameter, >5' To 10' Length, Concrete Piles From Boat	1,332.34
35 01 50 10-0047	EA	Clean 54" Diameter, >10' To 15' Length, Concrete Piles From Boat	1,865.24
35 01 50 10-0048	EA	Clean 60" Diameter, 5' Length, Concrete Piles From Boat	854.95
35 01 50 10-0049	EA	Clean 60" Diameter, >5' To 10' Length, Concrete Piles From Boat	1,443.38
35 01 50 10-0050	EA	Clean 60" Diameter, >10' To 15' Length, Concrete Piles From Boat	2,098.40
35 01 50 10-0051	EA	Clean 66" Diameter, 5' Length, Concrete Piles From Boat	932.62
35 01 50 10-0052	EA	Clean 66" Diameter, >5' To 10' Length, Concrete Piles From Boat	1,554.42
35 01 50 10-0053	EA	Clean 66" Diameter, >10' To 15' Length, Concrete Piles From Boat	2,331.56
35 01 50 10-0054	EA	Clean 10" Square, 5' Length, Concrete Piles From Boat	176.04
35 01 50 10-0055	EA	Clean 10" Square, >5' To 10' Length, Concrete Piles From Boat	333.12
35 01 50 10-0056	EA	Clean 10" Square, >10' To 15' Length, Concrete Piles From Boat	490.80
35 01 50 10-0057	EA	Clean 12" Square, 5' Length, Concrete Piles From Boat	212.03
35 01 50 10-0058	EA	Clean 12" Square, >5' To 10' Length, Concrete Piles From Boat	405.54
35 01 50 10-0059	EA	Clean 12" Square, >10' To 15' Length, Concrete Piles From Boat	582.89
35 01 50 10-0060	EA	Clean 14" Square, 5' Length, Concrete Piles From Boat	245.40
35 01 50 10-0061	EA	Clean 14" Square, >5' To 10' Length, Concrete Piles From Boat	466.31
35 01 50 10-0062	EA	Clean 14" Square, >10' To 15' Length, Concrete Piles From Boat	666.09
35 01 50 10-0063	EA	Clean 16" Square, 5' Length, Concrete Piles From Boat	282.55
35 01 50 10-0064	EA	Clean 16" Square, >5' To 10' Length, Concrete Piles From Boat	548.64
35 01 50 10-0065	EA	Clean 16" Square, >10' To 15' Length, Concrete Piles From Boat	777.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 01 50 10-0066	EA	Clean 18" Square, 5' Length, Concrete Piles From Boat	321.61	
35 01 50 10-0067	EA	Clean 18" Square, >5' To 10' Length, Concrete Piles From Boat	621.80	
35 01 50 10-0068	EA	Clean 18" Square, >10' To 15' Length, Concrete Piles From Boat	847.81	
35 01 50 10-0069	EA	Clean 20" Square, 5' Length, Concrete Piles From Boat	352.09	
35 01 50 10-0070	EA	Clean 20" Square, >5' To 10' Length, Concrete Piles From Boat	666.09	
35 01 50 10-0071	EA	Clean 20" Square, >10' To 15' Length, Concrete Piles From Boat	932.62	
35 01 50 10-0072	EA	Clean 24" Square, 5' Length, Concrete Piles From Boat	423.91	
35 01 50 10-0073	EA	Clean 24" Square, >5' To 10' Length, Concrete Piles From Boat	777.14	
35 01 50 10-0074	EA	Clean 24" Square, >10' To 15' Length, Concrete Piles From Boat	1,165.77	
35 01 50 10-0075	EA	Clean 14" Diameter Octagonal, 5' Length, Concrete Piles From Boat	186.52	
35 01 50 10-0076	EA	Clean 14" Diameter Octagonal, >5' To 10' Length, Concrete Piles From Boat	358.76	
35 01 50 10-0077	EA	Clean 14" Diameter Octagonal, >10' To 15' Length, Concrete Piles From Boat	518.19	
35 01 50 10-0078	EA	Clean 16" Diameter Octagonal, 5' Length, Concrete Piles From Boat	212.03	
35 01 50 10-0079	EA	Clean 16" Diameter Octagonal, >5' To 10' Length, Concrete Piles From Boat	405.54	
35 01 50 10-0080	EA	Clean 16" Diameter Octagonal, >10' To 15' Length, Concrete Piles From Boat	582.89	
35 01 50 10-0081	EA	Clean 18" Diameter Octagonal, 5' Length, Concrete Piles From Boat	239.13	
35 01 50 10-0082	EA	Clean 18" Diameter Octagonal, >5' To 10' Length, Concrete Piles From Boat	466.31	
35 01 50 10-0083	EA	Clean 18" Diameter Octagonal, >10' To 15' Length, Concrete Piles From Boat	666.09	
35 01 50 10-0084	EA	Clean 20" Diameter Octagonal, 5' Length, Concrete Piles From Boat	266.53	
35 01 50 10-0085	EA	Clean 20" Diameter Octagonal, >5' To 10' Length, Concrete Piles From Boat	518.19	
35 01 50 10-0086	EA	Clean 20" Diameter Octagonal, >10' To 15' Length, Concrete Piles From Boat	717.39	
35 01 50 10-0087	EA	Clean 24" Diameter Octagonal, 5' Length, Concrete Piles From Boat	321.61	
35 01 50 10-0088	EA	Clean 24" Diameter Octagonal, >5' To 10' Length, Concrete Piles From Boat	621.80	
35 01 50 10-0089	EA	Clean 24" Diameter Octagonal, >10' To 15' Length, Concrete Piles From Boat	847.81	

35 01 50 10-0090 Clean Steel Piles From Boat *(35 01 50 10)*

Note: Exposed piles pressure washing from boat

35 01 50 10-0091	EA	Clean 8" Diameter, 5' Length, Steel Piles From Boat	160.73	
35 01 50 10-0092	EA	Clean 8" Diameter, >5' To 10' Length, Steel Piles From Boat	300.92	
35 01 50 10-0093	EA	Clean 8" Diameter, >10' To 15' Length, Steel Piles From Boat	423.91	
35 01 50 10-0094	EA	Clean 10" Diameter, 5' Length, Steel Piles From Boat	202.70	
35 01 50 10-0095	EA	Clean 10" Diameter, >5' To 10' Length, Steel Piles From Boat	388.64	
35 01 50 10-0096	EA	Clean 10" Diameter, >10' To 15' Length, Steel Piles From Boat	518.19	
35 01 50 10-0097	EA	Clean 12" Diameter, 5' Length, Steel Piles From Boat	245.40	
35 01 50 10-0098	EA	Clean 12" Diameter, >5' To 10' Length, Steel Piles From Boat	466.31	
35 01 50 10-0099	EA	Clean 12" Diameter, >10' To 15' Length, Steel Piles From Boat	621.80	
35 01 50 10-0100	EA	Clean HP 8 x 36, 5' Length, Steel Piles From Boat	310.82	
35 01 50 10-0101	EA	Clean HP 8 x 36, >5' To 10' Length, Steel Piles From Boat	582.89	
35 01 50 10-0102	EA	Clean HP 8 x 36, >10' To 15' Length, Steel Piles From Boat	777.14	
35 01 50 10-0103	EA	Clean HP 10 x 42, 5' Length, Steel Piles From Boat	373.04	
35 01 50 10-0104	EA	Clean HP 10 x 42, >5' To 10' Length, Steel Piles From Boat	717.39	
35 01 50 10-0105	EA	Clean HP 10 x 42, >10' To 15' Length, Steel Piles From Boat	1,013.79	
35 01 50 10-0106	EA	Clean HP 10 x 57, 5' Length, Steel Piles From Boat	388.64	
35 01 50 10-0107	EA	Clean HP 10 x 57, >5' To 10' Length, Steel Piles From Boat	717.39	
35 01 50 10-0108	EA	Clean HP 10 x 57, >10' To 15' Length, Steel Piles From Boat	1,013.79	
35 01 50 10-0109	EA	Clean HP 12 x 53, 5' Length, Steel Piles From Boat	466.31	
35 01 50 10-0110	EA	Clean HP 12 x 53, >5' To 10' Length, Steel Piles From Boat	847.81	
35 01 50 10-0111	EA	Clean HP 12 x 53, >10' To 15' Length, Steel Piles From Boat	1,165.77	
35 01 50 10-0112	EA	Clean HP 12 x 74, 5' Length, Steel Piles From Boat	490.80	
35 01 50 10-0113	EA	Clean HP 12 x 74, >5' To 10' Length, Steel Piles From Boat	892.11	
35 01 50 10-0114	EA	Clean HP 12 x 74, >10' To 15' Length, Steel Piles From Boat	1,227.12	
35 01 50 10-0115	EA	Clean HP 14 x 73, 5' Length, Steel Piles From Boat	548.64	
35 01 50 10-0116	EA	Clean HP 14 x 73, >5' To 10' Length, Steel Piles From Boat	1,000.67	
35 01 50 10-0117	EA	Clean HP 14 x 73, >10' To 15' Length, Steel Piles From Boat	1,457.22	
35 01 50 10-0118	EA	Clean HP 14 x 89, 5' Length, Steel Piles From Boat	548.64	
35 01 50 10-0119	EA	Clean HP 14 x 89, >5' To 10' Length, Steel Piles From Boat	1,000.67	
35 01 50 10-0120	EA	Clean HP 14 x 89, >10' To 15' Length, Steel Piles From Boat	1,457.22	
35 01 50 10-0121	EA	Clean HP 14 x 102, 5' Length, Steel Piles From Boat	548.64	
35 01 50 10-0122	EA	Clean HP 14 x 102, >5' To 10' Length, Steel Piles From Boat	1,000.67	
35 01 50 10-0123	EA	Clean HP 14 x 102, >10' To 15' Length, Steel Piles From Boat	1,457.22	
35 01 50 10-0124	EA	Clean HP 14 x 117, 5' Length, Steel Piles From Boat	548.64	
35 01 50 10-0125	EA	Clean HP 14 x 117, >5' To 10' Length, Steel Piles From Boat	1,000.67	
35 01 50 10-0126	EA	Clean HP 14 x 117, >10' To 15' Length, Steel Piles From Boat	1,457.22	

35 01 50 20 Protective Wrapping Of Marine Pier Piles *(35 01 50)*

35 01 50 20-0001 Protective Wrapping Of Wood Pier Piles *(35 01 50 20)*

Note: Exposed piles wrapped using boat. Piles must be cleaned before wrapping.

35 01 50 20-0002	VLF	8" Diameter Wood Piles, Protective Material Wrap With Nails From Boat	37.47	
35 01 50 20-0003	VLF	10" Diameter Wood Piles, Protective Material Wrap With Nails From Boat	47.07	
35 01 50 20-0004	VLF	12" Diameter Wood Piles, Protective Material Wrap With Nails From Boat	56.41	
35 01 50 20-0005	VLF	14" Diameter Wood Piles, Protective Material Wrap With Nails From Boat	65.60	
35 01 50 20-0006	VLF	8" Diameter Wood Piles, Protective Material Wrap With Straps From Boat	49.00	
35 01 50 20-0007	VLF	10" Diameter Wood Piles, Protective Material Wrap With Straps From Boat	61.22	
35 01 50 20-0008	VLF	12" Diameter Wood Piles, Protective Material Wrap With Straps From Boat	73.43	
35 01 50 20-0009	VLF	14" Diameter Wood Piles, Protective Material Wrap With Straps From Boat	85.64	

35 01 50 20-0010 Protective Wrapping Of Concrete Pier Piles *(35 01 50 20)*

Note: Exposed piles wrapped using boat. Piles must be cleaned before wrapping.

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 01 50 20-0011	VLF	12" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		73.43	
35 01 50 20-0012	VLF	14" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		85.64	
35 01 50 20-0013	VLF	16" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		97.99	
35 01 50 20-0014	VLF	18" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		109.55	
35 01 50 20-0015	VLF	20" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		121.76	
35 01 50 20-0016	VLF	24" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		146.33	
35 01 50 20-0017	VLF	36" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		219.10	
35 01 50 20-0018	VLF	48" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		273.80	
35 01 50 20-0019	VLF	54" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		328.36	
35 01 50 20-0020	VLF	60" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		365.15	
35 01 50 20-0021	VLF	66" Diameter Concrete Piles, Protective Material Wrap With Straps From Boat		401.93	
35 01 50 20-0022	VLF	10" Square Concrete Piles, Protective Material Wrap With Straps From Boat		77.94	
35 01 50 20-0023	VLF	12" Square Concrete Piles, Protective Material Wrap With Straps From Boat		92.96	
35 01 50 20-0024	VLF	14" Square Concrete Piles, Protective Material Wrap With Straps From Boat		108.62	
35 01 50 20-0025	VLF	16" Square Concrete Piles, Protective Material Wrap With Straps From Boat		124.15	
35 01 50 20-0026	VLF	18" Square Concrete Piles, Protective Material Wrap With Straps From Boat		139.96	
35 01 50 20-0027	VLF	20" Square Concrete Piles, Protective Material Wrap With Straps From Boat		157.02	
35 01 50 20-0028	VLF	24" Square Concrete Piles, Protective Material Wrap With Straps From Boat		187.23	
35 01 50 20-0029	VLF	14" Diameter Octagonal Concrete Piles, Protective Material Wrap With Straps From Boat		82.33	
35 01 50 20-0030	VLF	16" Diameter Octagonal Concrete Piles, Protective Material Wrap With Straps From Boat		93.61	
35 01 50 20-0031	VLF	18" Diameter Octagonal Concrete Piles, Protective Material Wrap With Straps From Boat		105.96	
35 01 50 20-0032	VLF	20" Diameter Octagonal Concrete Piles, Protective Material Wrap With Straps From Boat		117.25	
35 01 50 20-0033	VLF	24" Diameter Octagonal Concrete Piles, Protective Material Wrap With Straps From Boat		141.16	
35 01 50 20-0034		Protective Wrapping Of Steel Pier Piles *(35 01 50 20)*			
		Note: Exposed piles wrapped using boat. Piles must be cleaned before wrapping.			
35 01 50 20-0035	VLF	8" Diameter Steel Piles, Protective Material Wrap With Straps From Boat		49.00	
35 01 50 20-0036	VLF	10" Diameter Steel Piles, Protective Material Wrap With Straps From Boat		61.22	
35 01 50 20-0037	VLF	12" Diameter Steel Piles, Protective Material Wrap With Straps From Boat		73.43	
35 01 50 20-0038	VLF	HP 8 x 36 Steel Piles, Protective Material Wrap With Straps From Boat		117.73	
35 01 50 20-0039	VLF	HP 10 x 42 Steel Piles, Protective Material Wrap With Straps From Boat		144.79	
35 01 50 20-0040	VLF	HP 10 x 57 Steel Piles, Protective Material Wrap With Straps From Boat		146.76	
35 01 50 20-0041	VLF	HP 12 x 53 Steel Piles, Protective Material Wrap With Straps From Boat		174.62	
35 01 50 20-0042	VLF	HP 12 x 74 Steel Piles, Protective Material Wrap With Straps From Boat		175.93	
35 01 50 20-0043	VLF	HP 14 x 73 Steel Piles, Protective Material Wrap With Straps From Boat		205.22	
35 01 50 20-0044	VLF	HP 14 x 89 Steel Piles, Protective Material Wrap With Straps From Boat		207.86	
35 01 50 20-0045	VLF	HP 14 x 102 Steel Piles, Protective Material Wrap With Straps From Boat		207.86	
35 01 50 20-0046	VLF	HP 14 x 117 Steel Piles, Protective Material Wrap With Straps From Boat		210.49	

35 01 70 Operation and Maintenance of Dams *(35 01)*

35 01 70 00-0001 Drilling And Pressure Grouting *(35 01 70)*

35 01 70 00-0002 From Top Of The Dam *(35 01 70 00-0001)*

35 01 70 00-0003	LF	Pressure Grout, Top Of Dam, In Concrete, Drill 3" Nominal Grout Hole		93.65
35 01 70 00-0004	LF	Pressure Grout, Top Of Dam, In Rock, Drill 3" Nominal Grout Hole		113.93
35 01 70 00-0005	LF	Pressure Grout, Install Guide Sleeves 3-1/2" Inside Diameter, Top Of Dam		145.29
35 01 70 00-0006	EA	Pressure Grout, Hydraulic Pressure Test Top Of Dam		658.06
35 01 70 00-0007	EA	Pressure Grout, Grout Hook-Up Top Of Dam		372.63
35 01 70 00-0008	CWT	Pressure Grout, Portland Cement Top Of Dam		53.48
35 01 70 00-0009	CWT	Pressure Grout, Fluidifier In Grout Top Of Dam		156.73
35 01 70 00-0010	CF	Pressure Grout, Place Grout Except Hook-Ups, Top Of Dam		207.91

35 01 70 00-0011 Large Diameter Holes - Rotary Drilled *(35 01 70 00-0001)*

35 01 70 00-0012 From Top Of The Dam *(35 01 70 00-0011)*

35 01 70 00-0013	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Vertical		157.07
35 01 70 00-0014	LF	Pressure Grout, Rotary Drilled Top Of Dam, 6" Nominal Diameter, Inclined		172.40
35 01 70 00-0015	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Vertical		239.28
35 01 70 00-0016	LF	Pressure Grout, Rotary Drilled Top Of Dam, 9" Nominal Diameter, Inclined		268.23

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)		41.46
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)		82.89
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)		121.17
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material		135.50

35 20 Waterway and Marine Construction and Equipment *(35)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 Hydraulic Gates *(35 20)*				
35 22 26 Sluice Gates *(35 22)*				
35 22 26 00-0001		Heavy-Duty Cast Iron Sluice Gates Self Contained *(35 22 26)*		
		Note: Includes crank operated geared gate lift, anchor bolts, and grouting.		
35 22 26 00-0002	EA	18" x 18" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	11,564.35	1,369.46
		For Electric Motor Operated Valve, Add	*1,982.97*	
35 22 26 00-0003	EA	24" x 24" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	16,566.31	2,054.26
		For Electric Motor Operated Valve, Add	*2,119.92*	
35 22 26 00-0004	EA	30" x 30" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	20,059.93	2,347.73
		For Electric Motor Operated Valve, Add	*2,178.62*	
35 22 26 00-0005	EA	36" x 36" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	22,873.39	2,567.83
		For Electric Motor Operated Valve, Add	*2,222.63*	
35 22 26 00-0006	EA	42" x 42" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	25,671.86	2,934.65
		For Electric Motor Operated Valve, Add	*2,296.00*	
35 22 26 00-0007	EA	48" x 48" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	35,975.74	4,695.45
		For Electric Motor Operated Valve, Add	*2,648.16*	
35 22 26 00-0008	EA	54" x 54" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	47,925.36	5,869.31
		For Electric Motor Operated Valve, Add	*2,882.93*	
35 22 26 00-0009	EA	60" x 60" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	55,928.07	7,776.84
		For Electric Motor Operated Valve, Add	*3,264.44*	
35 22 26 00-0010	EA	66" x 66" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	69,640.71	10,271.29
		For Electric Motor Operated Valve, Add	*3,763.33*	
35 22 26 00-0011	EA	72" x 72" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	73,145.09	11,738.62
		For Electric Motor Operated Valve, Add	*4,056.79*	
35 22 26 00-0012	EA	78" x 78" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	82,010.33	11,738.62
		For Electric Motor Operated Valve, Add	*4,798.64*	
35 22 26 00-0013	EA	84" x 84" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	95,109.35	13,205.95
		For Electric Motor Operated Valve, Add	*5,092.11*	
35 22 26 00-0014	EA	90" x 90" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	114,168.60	15,087.80
		For Electric Motor Operated Valve, Add	*5,468.48*	
35 22 26 00-0015	EA	96" x 96" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	128,698.38	15,806.26
		For Electric Motor Operated Valve, Add	*5,612.17*	
35 22 26 00-0016	EA	108" x 108" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	159,492.32	18,680.14
		For Electric Motor Operated Valve, Add	*6,186.95*	
35 22 26 00-0017	EA	120" x 120" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	197,043.00	22,990.94
		For Electric Motor Operated Valve, Add	*7,049.11*	
35 22 26 00-0018	EA	132" x 132" Heavy-Duty Sluice Gates Self Contained With Crank Operated Gate	240,429.00	25,864.81
		For Electric Motor Operated Valve, Add	*7,623.88*	
35 22 26 00-0019		Sluice Gate Actuator *(35 22 26)*		
35 22 26 00-0020	EA	Electro-Hydraulic Actuator To Operate 108" x 72" Main Influent Gate	384,478.01	
35 22 26 00-0021		Cast Iron, Sluice Gate *(35 22 26)*		
35 22 26 00-0022	EA	4" Cast Iron, Sluice Gate (Troy (C.I.) A3500/04)	2,139.55	192.29
35 22 26 00-0023	EA	6" Cast Iron, Sluice Gate (Troy (D.I.) A3500/06)	3,203.23	229.59
35 22 26 00-0024	EA	8" Cast Iron, Sluice Gate (Troy (D.I.) A3500/08)	4,069.61	290.49
35 22 26 00-0025	EA	12" Cast Iron, Sluice Gate (Troy (D.I.) A3500/12)	8,619.61	431.34
35 22 26 00-0026		Cast Iron, Sluice Gate, Frame Assembly Only (Rodney Hunt) *(35 22 26)*		
		Note: Frame Assembly Only		
35 22 26 00-0027	EA	24" x 24" Cast Iron Sluice Gate, Frame Assembly Only	26,858.53	685.24
35 22 26 00-0028	EA	30" x 30" Cast Iron Sluice Gate, Frame Assembly Only	32,534.07	821.70
35 22 26 00-0029	EA	36" x 36" Cast Iron Sluice Gate, Frame Assembly Only	40,084.24	1,027.13
35 22 26 00-0030	EA	48" x 48" Cast Iron Sluice Gate, Frame Assembly Only	62,156.37	2,054.26
35 22 26 00-0031	EA	60" x 60" Cast Iron Sluice Gate, Frame Assembly Only	88,849.53	4,108.51
35 22 26 00-0032	EA	72" x 72" Cast Iron Sluice Gate, Frame Assembly Only	120,670.52	6,848.02
35 22 26 00-0033	EA	84" x 84" Cast Iron Sluice Gate, Frame Assembly Only	190,361.30	10,124.56
35 22 26 00-0034	Day	Start Up And Training, Frame Assembly, Cast Iron Sluice Gate	3,773.21	
35 22 26 00-0035		Stainless Steel, Sluice Gate *(35 22 26)*		
35 22 26 00-0036	EA	4" Stainless Steel, Sluice Gate Valve (Troy A3500/04)	3,659.61	192.29
35 22 26 00-0037		Cast Iron, Shear Gates *(35 22 26)*		
35 22 26 00-0038	EA	4" Cast Iron, Shear Gate (Troy A25206/04)	1,054.18	192.29
35 22 26 00-0039	EA	6" Cast Iron, Shear Gate (Troy A25206/06)	1,226.54	229.59
35 22 26 00-0040	EA	8" Cast Iron, Shear Gate (Troy A25206/08)	1,600.21	290.49
35 22 26 00-0041	EA	10" Cast Iron, Shear Gate (Troy A25206/10)	2,043.01	355.86
35 22 26 00-0042	EA	12" Cast Iron, Shear Gate (Troy A25206/12)	2,568.83	431.34
35 22 26 00-0043	EA	14" Cast Iron, Shear Gate (Troy A25206/14)	5,941.42	614.46
35 22 26 00-0044	EA	16" Cast Iron, Shear Gate (Troy A25206/16)	7,415.02	1,351.82
35 22 26 00-0045	EA	18" Cast Iron, Shear Gate (Troy A25206/18)	7,025.29	749.65
35 22 26 00-0046	EA	20" Cast Iron, Shear Gate (Troy A25206/20)	9,451.11	844.89
35 22 26 00-0047	EA	24" Cast Iron, Shear Gate (Troy A25206/24)	12,030.85	1,036.91
35 22 26 00-0048	EA	30" Cast Iron, Shear Gate (Troy A25206/30)	16,293.23	1,639.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 26 00-0049		Stainless Steel, Slide Gates (Fontaine Aquanox) *(35 22 26)*		
		Note: Includes crank operated geared gate lift, anchor bolts, and grouting.		
35 22 26 00-0050	EA	12"x 12", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-12x12-A-CW-30)	19,836.11	880.39
		For Gearbox And Crank, Add	*1,635.72*	
		For Extended Stem, Add	*59.74*	
		For Wall Bracket, Add	*927.04*	
35 22 26 00-0051	EA	16"x 16", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-16x16-A-CW-30)	21,908.38	1,173.86
		For Gearbox And Crank, Add	*1,635.72*	
		For Extended Stem, Add	*57.68*	
		For Wall Bracket, Add	*927.04*	
35 22 26 00-0052	EA	18"x 18", Open Frame, Rising Stem, Slide Gate (Fontaine-Aquanox 204-P2X-18x18-A-CW-30)	22,992.93	1,369.02
		For Gearbox And Crank, Add	*1,635.72*	
		For Extended Stem, Add	*55.62*	
		For Wall Bracket, Add	*927.04*	
35 22 26 00-0053	EA	20"x 20", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-20x20-A-CW-30)	27,511.45	1,760.79
		For Extended Stem, Add	*67.98*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0054	EA	24"x 24", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-24x24-A-CW-30)	29,868.00	2,054.26
		For Extended Stem, Add	*67.98*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0055	EA	30"x 30", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-30x30-A-CW-30)	33,042.43	2,347.73
		For Extended Stem, Add	*67.98*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0056	EA	36"x 36", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-36x36-A-CW-30)	36,819.98	2,567.83
		For Extended Stem, Add	*72.10*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0057	EA	42"x 42", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-42x42-A-CW-30)	42,009.64	2,934.65
		For Extended Stem, Add	*230.73*	
		For Wall Bracket, Add	*1,030.05*	
35 22 26 00-0058	EA	48"x 48", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-48x48-A-CW-30)	52,626.21	4,695.45
		For Extended Stem, Add	*226.61*	
		For Wall Bracket, Add	*2,461.82*	
35 22 26 00-0059	EA	54"x 54", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-54x54-A-CW-30)	63,762.33	5,869.31
		For Extended Stem, Add	*319.32*	
		For Wall Bracket, Add	*2,461.82*	
35 22 26 00-0060	EA	60"x 60", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-60x60-A-CW-30)	72,667.87	7,776.84
		For Extended Stem, Add	*455.28*	
		For Wall Bracket, Add	*5,922.79*	
35 22 26 00-0061	EA	72"x 72", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-72x72-A-CW-30)	97,142.29	11,738.62
		For Extended Stem, Add	*696.31*	
		For Wall Bracket, Add	*5,922.79*	
35 22 26 00-0062	EA	84"x 84", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-84x84-A-CW-30)	114,437.90	13,205.95
		For Extended Stem, Add	*696.31*	
		For Wall Bracket, Add	*5,922.79*	
35 22 26 00-0063	EA	96"x 96", Open Frame, Rising Stem, Slide Gate With Pedestal Mounted Gearbox And Crank (Fontaine-Aquanox 204-P2X-96x96-A-CW-30)	135,805.35	16,140.60
		For Extended Stem, Add	*871.42*	
		For Wall Bracket, Add	*9,435.26*	
35 22 26 00-0064	EA	Factory Witnessed Testing Or Factory Inspections By DEP Personnel	1,977.70	
35 22 26 00-0065	EA	Job Site Assistance Visit (2 Days On Site) By Factory Trained Technician For Start-up, Training Or Installation Inspection	9,991.48	
35 22 59		**Hydraulic Closure Gates** *(35 22)*		
35 22 59 00-0001		Steel Slide Gates Self Contained *(35 22 59)*		
		Note: Includes anchors and bolts.		
35 22 59 00-0002	EA	12" x 12" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	3,977.02	513.57
		For Electric Motor Operated Valve, Add	*1,811.78*	
35 22 59 00-0003	EA	18" x 18" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	5,301.59	586.93
		For Electric Motor Operated Valve, Add	*1,826.46*	
35 22 59 00-0004	EA	24" x 24" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	6,049.01	684.80
		For Electric Motor Operated Valve, Add	*1,846.02*	
35 22 59 00-0005	EA	30" x 30" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	7,309.74	821.70
		For Electric Motor Operated Valve, Add	*1,873.41*	
35 22 59 00-0006	EA	36" x 36" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	9,354.71	1,027.13
		For Electric Motor Operated Valve, Add	*1,914.50*	
35 22 59 00-0007	EA	42" x 42" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	10,962.63	1,369.46
		For Electric Motor Operated Valve, Add	*1,982.97*	
35 22 59 00-0008	EA	48" x 48" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	15,027.35	2,054.26
		For Electric Motor Operated Valve, Add	*2,119.92*	
35 22 59 00-0009	EA	54" x 54" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	22,819.07	2,567.83
		For Electric Motor Operated Valve, Add	*2,222.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0010	EA	60" x 60" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	29,757.60	4,108.51
		For Electric Motor Operated Valve, Add	*2,530.77*	
35 22 59 00-0011	EA	72" x 72" Steel Slide Gates Self Contained Including Anchor Bolts And Grouting	37,904.32	6,847.57
		For Electric Motor Operated Valve, Add	*3,078.58*	
35 22 59 00-0012	SF	Over 36 SF Steel Slide Gates Self Contained Including Anchor	1,051.28	189.29
		For Electric Motor Operated Valve, Add	*4,161.36*	

35 22 59 00-0013 Stainless Steel, Slide Gates, Frame Assembly Only *(35 22 59)*

35 22 59 00-0014	EA	24" x 24" Stainless Steel Slide Gate, Frame Assembly Only	20,167.90	670.56
35 22 59 00-0015	EA	30" x 30" Stainless Steel Slide Gate, Frame Assembly Only	24,936.86	837.85
35 22 59 00-0016	EA	36" x 36" Stainless Steel Slide Gate, Frame Assembly Only	31,800.21	1,021.26
35 22 59 00-0017	EA	48" x 48" Stainless Steel Slide Gate, Frame Assembly Only	48,555.95	1,955.95
35 22 59 00-0018	EA	60" x 60" Stainless Steel Slide Gate, Frame Assembly Only	71,599.45	4,268.46
35 22 59 00-0019	EA	72" x 72" Stainless Steel Slide Gate, Frame Assembly Only	94,107.36	6,520.80
35 22 59 00-0020	EA	84" x 84" Stainless Steel Slide Gate, Frame Assembly Only	142,095.78	8,152.47
35 22 59 00-0021	Day	Start Up And Training, Stainless Steel Slide Gate, Frame Assembly	3,773.21	

35 22 59 00-0022 Aluminum Flap Gates *(35 22 59)*

35 22 59 00-0023	EA	18" Diameter Aluminum Flap Gates	3,855.70	513.57
		For Electric Motor Operated Valve, Add	*1,811.78*	
35 22 59 00-0024	EA	20" Diameter Aluminum Flap Gates	4,290.76	550.25
		For Electric Motor Operated Valve, Add	*1,819.11*	
35 22 59 00-0025	EA	24" Diameter Aluminum Flap Gates	4,722.00	586.93
		For Electric Motor Operated Valve, Add	*1,826.46*	
35 22 59 00-0026	EA	30" Diameter Aluminum Flap Gates	6,398.68	684.80
		For Electric Motor Operated Valve, Add	*1,846.02*	
35 22 59 00-0027	EA	36" Diameter Aluminum Flap Gates	7,931.70	821.70
		For Electric Motor Operated Valve, Add	*1,873.41*	
35 22 59 00-0028	EA	42" Diameter Aluminum Flap Gates	11,223.24	1,027.13
		For Electric Motor Operated Valve, Add	*1,914.50*	
35 22 59 00-0029	EA	48" Diameter Aluminum Flap Gates	14,202.55	1,369.46
		For Electric Motor Operated Valve, Add	*1,982.97*	
35 22 59 00-0030	EA	54" Diameter Aluminum Flap Gates	18,382.47	2,054.26
		For Electric Motor Operated Valve, Add	*2,119.92*	
35 22 59 00-0031	EA	60" Diameter Aluminum Flap Gates	24,306.13	2,934.65
		For Electric Motor Operated Valve, Add	*2,296.00*	
35 22 59 00-0032	EA	66" Diameter Aluminum Flap Gates	31,440.77	4,108.51
		For Electric Motor Operated Valve, Add	*2,530.77*	
35 22 59 00-0033	EA	72" Diameter Aluminum Flap Gates	39,230.17	5,869.31
		For Electric Motor Operated Valve, Add	*2,882.93*	

35 22 59 00-0034 Stainless Steel Flap Gates *(35 22 59)*

35 22 59 00-0035	EA	12" x 12" Stainless Steel Flap Gate	8,154.74	440.20
		For Electric Motor Operated Valve, Add	*1,797.11*	
35 22 59 00-0036	EA	18" x 18" Stainless Steel Flap Gate	10,446.25	513.57
		For Electric Motor Operated Valve, Add	*1,811.78*	
35 22 59 00-0037	EA	24" x 24" Stainless Steel Flap Gate	13,462.61	586.93
		For Electric Motor Operated Valve, Add	*1,826.46*	
35 22 59 00-0038	EA	30" x 30" Stainless Steel Flap Gate	17,524.80	685.24
		For Electric Motor Operated Valve, Add	*1,846.02*	
35 22 59 00-0039	EA	36" x 36" Stainless Steel Flap Gate	26,006.42	821.70
		For Electric Motor Operated Valve, Add	*1,873.41*	
35 22 59 00-0040	EA	48" x 48" Stainless Steel Flap Gate	38,097.97	1,369.02
		For Electric Motor Operated Valve, Add	*1,982.97*	
35 22 59 00-0041	EA	60" x 60" Stainless Steel Flap Gate	58,386.44	2,934.65
		For Electric Motor Operated Valve, Add	*2,296.00*	
35 22 59 00-0042	EA	72" x 72" Stainless Steel Flap Gate	84,680.73	5,869.31
		For Electric Motor Operated Valve, Add	*2,882.93*	
35 22 59 00-0043	EA	84" x 84" Stainless Steel Flap Gate	121,815.03	11,738.62
		For Electric Motor Operated Valve, Add	*4,056.79*	

35 22 59 00-0044 Cast Iron Flap Gates *(35 22 59)*

35 22 59 00-0045	EA	12" x 12" Cast Iron Flap Gate	14,460.64	550.25
		For Electric Motor Operated Valve, Add	*1,819.12*	
35 22 59 00-0046	EA	18" x 18" Cast Iron Flap Gate	20,318.76	642.69
		For Electric Motor Operated Valve, Add	*1,837.46*	
35 22 59 00-0047	EA	24" x 24" Cast Iron Flap Gate	25,943.55	733.66
		For Electric Motor Operated Valve, Add	*1,855.80*	
35 22 59 00-0048	EA	30" x 30" Cast Iron Flap Gate	36,385.68	855.45
		For Electric Motor Operated Valve, Add	*1,880.26*	
35 22 59 00-0049	EA	36" x 36" Cast Iron Flap Gate	41,087.12	1,027.13
		For Electric Motor Operated Valve, Add	*1,914.50*	
35 22 59 00-0050	EA	48" x 48" Cast Iron Flap Gate	51,060.55	1,712.37
		For Electric Motor Operated Valve, Add	*2,051.45*	
35 22 59 00-0051	EA	60" x 60" Cast Iron Flap Gate	87,416.42	3,228.12
		For Electric Motor Operated Valve, Add	*2,354.69*	
35 22 59 00-0052	EA	72" x 72" Cast Iron Flap Gate	139,220.13	6,309.51
		For Electric Motor Operated Valve, Add	*2,970.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0053	EA	84" x 84" Cast Iron Flap Gate	161,678.20	12,325.54
		For Electric Motor Operated Valve, Add	*4,174.18*	
35 22 59 00-0054		**Steel Knife Gates Including Handwheel Operator** *(35 22 59)*		
		Note: ANSI 150 PSI. for hub, flange, or spigot ends.		
35 22 59 00-0055	EA	6" Diameter Knife Gates Including Handwheel Operator For Hub	2,033.35	189.03
		For Electric Motor Operated Valve, Add	*1,746.88*	
35 22 59 00-0056	EA	8" Diameter Knife Gates Including Handwheel Operator For Hub	2,727.98	220.50
		For Electric Motor Operated Valve, Add	*1,753.18*	
35 22 59 00-0057	EA	10" Diameter Knife Gates Including Handwheel Operator For Hub	3,837.15	330.82
		For Electric Motor Operated Valve, Add	*1,775.23*	
35 22 59 00-0058	EA	12" Diameter Knife Gates Including Handwheel Operator For Hub	4,798.21	441.14
		For Electric Motor Operated Valve, Add	*1,797.29*	
35 22 59 00-0059	EA	14" Diameter Knife Gates Including Handwheel Operator For Hub	5,867.46	472.59
		For Electric Motor Operated Valve, Add	*1,803.59*	
35 22 59 00-0060	EA	16" Diameter Knife Gates Including Handwheel Operator For Hub	7,578.01	508.92
		For Electric Motor Operated Valve, Add	*1,810.86*	
35 22 59 00-0061	EA	18" Diameter Knife Gates Including Handwheel Operator For Hub	10,049.38	529.30
		For Electric Motor Operated Valve, Add	*1,814.93*	
35 22 59 00-0062	EA	20" Diameter Knife Gates Including Handwheel Operator For Hub	12,554.67	601.54
		For Electric Motor Operated Valve, Add	*1,829.37*	
35 22 59 00-0063	EA	24" Diameter Knife Gates Including Handwheel Operator For Hub	16,077.00	661.63
		For Electric Motor Operated Valve, Add	*1,841.40*	
35 22 59 00-0064	EA	30" Diameter Knife Gates Including Handwheel Operator For Hub	29,207.09	882.13
		For Electric Motor Operated Valve, Add	*1,885.51*	
35 22 59 00-0065	EA	36" Diameter Knife Gates Including Handwheel Operator For Hub	38,884.01	1,323.26
		For Electric Motor Operated Valve, Add	*1,973.72*	
35 22 59 00-0066		**Steel Hollow Jet Flow Gate Valve** *(35 22 59)*		
35 22 59 00-0067	EA	6" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	1,895.22	205.43
		For Electric Motor Operated Valve, Add	*1,750.16*	
35 22 59 00-0068	EA	8" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	2,922.70	239.91
		For Electric Motor Operated Valve, Add	*1,757.05*	
35 22 59 00-0069	EA	10" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	3,520.33	359.49
		For Electric Motor Operated Valve, Add	*1,780.97*	
35 22 59 00-0070	EA	12" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	4,491.18	479.09
		For Electric Motor Operated Valve, Add	*1,804.90*	
35 22 59 00-0071	EA	14" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	6,728.98	513.57
		For Electric Motor Operated Valve, Add	*1,811.78*	
35 22 59 00-0072	EA	16" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	8,106.32	553.19
		For Electric Motor Operated Valve, Add	*1,819.71*	
35 22 59 00-0073	EA	18" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	13,572.92	575.19
		For Electric Motor Operated Valve, Add	*1,824.12*	
35 22 59 00-0074	EA	20" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	17,060.11	653.69
		For Electric Motor Operated Valve, Add	*1,839.82*	
35 22 59 00-0075	EA	24" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	24,502.99	718.99
		For Electric Motor Operated Valve, Add	*1,852.89*	
35 22 59 00-0076	EA	30" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	30,027.13	958.90
		For Electric Motor Operated Valve, Add	*1,900.84*	
35 22 59 00-0077	EA	36" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	42,859.65	1,437.98
		For Electric Motor Operated Valve, Add	*1,996.62*	
35 22 59 00-0078	EA	42" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	51,087.10	1,760.79
		For Electric Motor Operated Valve, Add	*2,803.16*	
35 22 59 00-0079	EA	48" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	60,574.59	2,054.26
		For Electric Motor Operated Valve, Add	*2,861.77*	
35 22 59 00-0080	EA	54" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	79,753.43	2,567.83
		For Electric Motor Operated Valve, Add	*2,964.48*	
35 22 59 00-0081	EA	60" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	88,856.02	3,081.39
		For Electric Motor Operated Valve, Add	*3,067.44*	
35 22 59 00-0082	EA	66" Diameter Jet Flow Gate Valve Including Handwheel Operator For Hub	113,440.15	4,255.25
		For Electric Motor Operated Valve, Add	*3,302.60*	
35 22 59 00-0083		**Steel Dish Head Valve** *(35 22 59)*		
35 22 59 00-0084	EA	12" Diameter Dish Head Valve	2,441.83	513.57
35 22 59 00-0085	EA	18" Diameter Dish Head Valve	3,502.11	586.93
35 22 59 00-0086	EA	20" Diameter Dish Head Valve	4,028.50	641.96
35 22 59 00-0087	EA	24" Diameter Dish Head Valve	4,736.59	684.80
35 22 59 00-0088	EA	30" Diameter Dish Head Valve	7,077.71	821.70
35 22 59 00-0089	EA	36" Diameter Dish Head Valve	8,725.78	1,027.13
35 22 59 00-0090	EA	42" Diameter Dish Head Valve	14,578.61	1,369.46
35 22 59 00-0091	EA	48" Diameter Dish Head Valve	19,122.04	2,054.26
35 22 59 00-0092	EA	54" Diameter Dish Head Valve	27,118.25	2,567.83
35 22 59 00-0093	EA	60" Diameter Dish Head Valve	35,007.52	4,108.51
35 22 59 00-0094	EA	66" Diameter Dish Head Valve	48,379.35	5,135.64
35 22 59 00-0095	EA	72" Diameter Dish Head Valve	59,027.98	6,847.57
35 22 59 00-0096		**Cast Iron Flap Gates (Waterman F-10)** *(35 22 59)*		
35 22 59 00-0097	EA	4" Cast Iron Flap Drainage Gate	1,019.23	196.55
35 22 59 00-0098	EA	6" Cast Iron Flap Drainage Gate	1,313.02	275.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0099	EA	8" Cast Iron Flap Drainage Gate	1,803.40	293.47
35 22 59 00-0100	EA	10" Cast Iron Flap Drainage Gate	2,328.77	338.95
35 22 59 00-0101	EA	12" Cast Iron Flap Drainage Gate	2,625.27	385.17
35 22 59 00-0102	EA	14" Cast Iron Flap Drainage Gate	5,026.37	466.91
35 22 59 00-0103	EA	16" Cast Iron Flap Drainage Gate	5,839.18	550.25
35 22 59 00-0104	EA	18" Cast Iron Flap Drainage Gate	7,167.49	605.27
35 22 59 00-0105	EA	20" Cast Iron Flap Drainage Gate	8,758.09	672.55
35 22 59 00-0106	EA	24" Cast Iron Flap Drainage Gate	11,186.27	756.63
35 22 59 00-0107	EA	30" Cast Iron Flap Drainage Gate	22,523.36	931.17
35 22 59 00-0108	EA	36" Cast Iron Flap Drainage Gate	25,634.96	1,100.50
35 22 59 00-0109	EA	42" Cast Iron Flap Drainage Gate	32,867.73	1,320.60
35 22 59 00-0110	EA	48" Cast Iron Flap Drainage Gate	37,879.44	1,687.42
35 22 59 00-0111	EA	54" Cast Iron Flap Drainage Gate	42,980.54	2,054.26
35 22 59 00-0112	EA	60" Cast Iron Flap Drainage Gate	53,435.43	2,934.65
35 22 59 00-0113	EA	66" Cast Iron Flap Drainage Gate	64,804.49	4,108.51
35 22 59 00-0114	EA	72" Cast Iron Flap Drainage Gate	74,784.75	5,869.31

35 22 59 00-0115 Cast Iron Body Knife Gate Valves *(35 22 59)*

Note: With 316 stainless steel interior, handwheel operator and metal seat.

35 22 59 00-0116	EA	2" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	919.80	173.22
35 22 59 00-0117	EA	3" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	1,085.65	203.40
35 22 59 00-0118	EA	4" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	1,277.58	340.99
35 22 59 00-0119	EA	6" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	2,099.17	451.88
35 22 59 00-0120	EA	8" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	2,895.88	519.67
35 22 59 00-0121	EA	10" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	3,515.74	632.64
35 22 59 00-0122	EA	12" Knife Gate Valve, Cast Iron Body With Stainless Steel Interior, Handwheel And Metal Seat	4,702.27	768.19

35 22 59 00-0123 Aluminum Stop Logs *(35 22 59)*

Note: Excludes frame guides.

35 22 59 00-0124	EA	6" Height x 72" Length, Aluminum Stop Log	3,180.20	27.77
35 22 59 00-0125	EA	9" Height x 72" Length, Aluminum Stop Log	4,351.96	27.77
35 22 59 00-0126	EA	12" Height x 72" Length, Aluminum Stop Log	3,961.37	27.77

35 22 59 00-0127 316L Stainless Steel, Pontoon Tide Gates *(35 22 59)*

35 22 59 00-0128	EA	24" x 24", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	37,632.96	7,282.77
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0129	EA	30" x 30", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	40,421.28	8,739.04
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0130	EA	36" x 36", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	41,936.89	9,710.17
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0131	EA	42" x 42", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	45,633.85	10,923.81
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0132	EA	48" x 48", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	55,091.29	16,604.19
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0133	EA	54" x 54", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	61,808.28	20,755.23
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0134	EA	60" x 60", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	72,510.10	22,980.96
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0135	EA	66" x 66", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	78,473.69	24,838.00
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*3,090.15*	
35 22 59 00-0136	EA	72" x 72", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	86,212.40	29,166.57
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*4,120.20*	
35 22 59 00-0137	EA	78" x 78", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	93,333.09	32,771.44
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*4,120.20*	
35 22 59 00-0138	EA	84" x 84", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	106,840.07	35,652.59
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*4,120.20*	
35 22 59 00-0139	EA	90" x 90", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	120,759.09	37,810.04
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*4,120.20*	
35 22 59 00-0140	EA	96" x 96", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	136,595.71	40,308.85
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*4,120.20*	
35 22 59 00-0141	EA	102" x 102", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	155,038.64	42,507.28
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*5,150.25*	
35 22 59 00-0142	EA	108" x 108", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	173,275.52	43,695.23
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*5,150.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 22 59 00-0143	EA	114" x 114", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	201,884.67	46,142.17
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*5,150.25*	
35 22 59 00-0144	EA	120" x 120", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	232,027.97	48,849.92
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*6,180.30*	
35 22 59 00-0145	EA	132" x 132", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	409,426.54	52,434.26
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*6,180.30*	
35 22 59 00-0146	EA	144" x 144", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.)	342,053.11	56,530.72
		For Pull Box, Add	*1,751.08*	
		For 20' Of Stainless Steel Chain, Add	*7,210.35*	

35 22 59 00-0147 TideFlex Gates *(35 22 59)*

35 22 59 00-0148	EA	36" TideFlex Gates At Gravity Flow Out Falls (TideFlex 36")	34,709.05	1,027.13

35 22 63 Through-Levee Access Gates *(35 22)*

35 22 63 00-0001 Cast Iron Canal Gates *(35 22 63)*

35 22 63 00-0002	EA	12" Diameter Cast Iron Canal Gates With Fabricated Frame	2,956.18	513.57
		For Electric Motor Operated Valve, Add	*1,811.78*	
35 22 63 00-0003	EA	18" Diameter Cast Iron Canal Gates With Fabricated Frame	4,348.60	586.93
		For Electric Motor Operated Valve, Add	*1,826.46*	
35 22 63 00-0004	EA	20" Diameter Cast Iron Canal Gates With Fabricated Frame	4,979.69	641.96
		For Electric Motor Operated Valve, Add	*1,837.46*	
35 22 63 00-0005	EA	24" Diameter Cast Iron Canal Gates With Fabricated Frame	5,960.78	684.80
		For Electric Motor Operated Valve, Add	*1,846.02*	
35 22 63 00-0006	EA	30" Diameter Cast Iron Canal Gates With Fabricated Frame	9,053.50	821.70
		For Electric Motor Operated Valve, Add	*1,873.41*	
35 22 63 00-0007	EA	36" Diameter Cast Iron Canal Gates With Fabricated Frame	11,151.38	1,027.13
		For Electric Motor Operated Valve, Add	*1,914.50*	
35 22 63 00-0008	EA	42" Diameter Cast Iron Canal Gates With Fabricated Frame	18,883.20	1,369.46
		For Electric Motor Operated Valve, Add	*1,982.97*	
35 22 63 00-0009	EA	48" Diameter Cast Iron Canal Gates With Fabricated Frame	24,580.60	2,054.26
		For Electric Motor Operated Valve, Add	*2,119.92*	
35 22 63 00-0010	EA	54" Diameter Cast Iron Canal Gates With Fabricated Frame	35,110.59	2,567.83
		For Electric Motor Operated Valve, Add	*2,222.63*	
35 22 63 00-0011	EA	60" Diameter Cast Iron Canal Gates With Fabricated Frame	44,747.89	4,108.51
		For Electric Motor Operated Valve, Add	*2,530.77*	
35 22 63 00-0012	EA	66" Diameter Cast Iron Canal Gates With Fabricated Frame	62,234.52	5,135.64
		For Electric Motor Operated Valve, Add	*2,736.20*	
35 22 63 00-0013	EA	72" Diameter Cast Iron Canal Gates With Fabricated Frame	73,553.51	5,869.31
		For Electric Motor Operated Valve, Add	*2,882.93*	

35 24 Dredging *(35 20)*

35 24 13 Suction Dredging *(35 24)*

35 24 13 13 Cutter Suction Dredging *(35 24 13)*

35 24 13 13-0001 Hydraulic Dredging *(35 24 13 13)*

35 24 13 13-0002 Hydraulic Dredging Mobilization *(35 24 13 13-0001)*

Note: Includes mobilization, demobilization and relocation of dredging equipment barges, dredgers, substations, attendant plants, booster pumps, booster stations, instrumentation, floating hoses and pipe for pumping up to a distance of one (1) mile, shore valves, tractors, loaders, and all other equipment and personnel required to perform the dredging work and to place dredged material on Beach, Confined Disposal Facility, Dunes or other designated locations and preparation of all required pre-work submittals.

35 24 13 13-0003	CY	Mobilization For Hydraulic Dredging, >35,000 CY	23.22

35 24 13 13-0004 Hydraulic Dredging *(35 24 13 13-0001)*

Note: Marker buoys, lighting and all accessories shall be included and installed as per USCG Requirements.

35 24 13 13-0005	CY	Hydraulic Dredging To CDF	24.23	
		Note: Includes the following equipment: 14" to 18" hydraulic dredge with floating hoses and pipe for pumping up to a distance of one (1) mile, supporting equipment, not limited to tug boats, fueling equipment, fuel, tender, equipment barge, deck barge, crew boat, power generation equipment, pumps, welding machine, backhoe. Includes, but not limited to all required crew members: leverman, engineer, deckhand, captain, operators, and supporting laborer as needed. Excludes mobilization and demobilization. See CSI section 35 24 13 13-0002 for dredging mobilization and demobilization.		
		For Dredged Material Having Greater Than 50% Sand, Add	*5.69*	
35 24 13 13-0006	CY	Hydraulic Dredging To Beachfill	28.51	
		Note: Includes the following equipment: 14" to 18" hydraulic dredge with floating hoses and pipe for pumping up to a distance of one (1) mile, supporting equipment, not limited to tug boats, fueling equipment, fuel, tender, equipment barge, deck barge, crew boat, power generation equipment, pumps, welding machine, backhoe. Includes, but not limited to all required crew members: leverman, engineer, deckhand, captain, operators, and supporting laborer as needed. Excludes mobilization and demobilization. See CSI section 35 24 13 13-0002 for dredging mobilization and demobilization.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 24 13 13-0007		Additional Dredge Pipe And Accessories *(35 24 13 13-0001)* Note: Marker buoys, lighting and all accessories shall be included and installed as per USCG Requirements. Includes floating hose and pipe up to a distance of one (1) mile, anchor system, and accessories, fuel, floating buoys, signal lights, and tugboat with necessary personnel. Excludes mobilization/demobilization/relocation. See CSI section 35 24 13 13-0011 for mobilization/demobilization/relocation.		
35 24 13 13-0008	MO	Additional Dredge Pipe And Accessories, 14"	20,228.27	
35 24 13 13-0009	MO	Additional Dredge Pipe And Accessories, 16"	26,094.93	
35 24 13 13-0010	MO	Additional Dredge Pipe And Accessories, 18"	31,961.60	
35 24 13 13-0011		Additional Dredge Pipe And Accessories Mobilization/Demobilization/Relocation *(35 24 13 13-0001)* Note: Includes floating hoses and pipe for pumping up to a distance of One (1) mile, anchor system, and accessories, fuel, floating buoys, signal lights, and tugboat with necessary personnel.		
35 24 13 13-0012	EA	Additional Dredge Pipe And Accessories Mobilization/Demobilization/Relocation, 14"	131,850.24	
35 24 13 13-0013	EA	Additional Dredge Pipe And Accessories Mobilization/Demobilization/Relocation, 16"	161,150.29	
35 24 13 13-0014	EA	Additional Dredge Pipe And Accessories Mobilization/Demobilization/Relocation, 18"	207,193.23	
35 24 13 13-0015		Dredging Accessories *(35 24 13 13-0001)*		
35 24 13 13-0016		Dredging Signal Lights *(35 24 13 13-0015)*		
35 24 13 13-0017	EA	Dredging Signal Light	743.44	56.40
35 24 23		**Clamshell Dredging** *(35 24)*		
35 24 23 00-0001		Dredging, Barge Mounted *(35 24 23)* See CSI section 01 74 19 00-0039 for hauling material from shore or barge, 31 23 16 33-0019 for loading.		
35 24 23 00-0002	EA	Dredge Excavation Mobilization And Demobilization	25,653.31	
		For Inlet Rivers And Canals, Deduct	*-6,413.33*	
35 24 23 00-0003	CY	Barge Mounted Clamshell Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	28.50	
35 24 23 00-0004	CY	Barge Mounted Dragline Or Clamshell, Hopper Dumped, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	25.65	
35 24 23 00-0005	CY	Hydraulic Dredge Excavation Into Scows, Dumping Up To 10 Miles Note: Includes tugboat to move scows or barge.	28.40	
35 24 23 00-0006	CY	Hydraulic Dredge Excavation, Pumped 1,000' To Shore Note: Includes tugboat to move barge.	23.82	
35 24 26		**Backhoe/Dipper Dredging** *(35 24)*		
35 24 26 00-0001		Dredging, Shoreline Excavators *(35 24 26)*		
35 24 26 00-0002	CY	Back Hoe, 1 CY Bucket, Dredging From Shore	16.96	
35 24 26 00-0003	CY	Hydraulic Excavator, 2 CY Bucket, Dredging From Shore	11.28	

35 50 Marine Construction and Equipment *(35)*

35 51 Floating Construction *(35 50)*

35 51 13 Floating Piers *(35 51)*

35 51 13 23 Floating Wood Piers *(35 51 13)*

35 51 13 23-0001	SF	Floating Dock, Wood, Complete	64.55	

35 51 13 29 Floating Aluminum Piers *(35 51 13)*

35 51 13 29-0001	SF	Floating Dock, Aluminum, Complete	179.05	

35 51 23 Pontoons *(35 51)*

35 51 23 00-0001		Aluminum Floating Docks *(35 51 23)* Note: Excludes concrete anchoring, railing, fenders, bumpers or cleats.		
35 51 23 00-0002	SF	Aluminum Frame, Plastic, Composite Or Pressure Treated Decking	148.68	
35 51 23 00-0003	SF	Aluminum Frame, Welded 6000 Series Welded Aluminum Decking	180.47	
35 51 23 00-0004	SF	Aluminum Frame, Eppi Wood Decking	164.57	
35 51 23 00-0005	SF	Aluminum Ramps	132.79	

35 51 53 Inflatable Floating Structures *(35 51)*

35 51 53 00-0001		Modular Inflatable WaterPark Structures *(35 51 53)* Note: Includes inflation, and connecting inflatable structures to each other. Excludes anchors. Demolition is for disassembly from structures, removal of anchor connections, and deflating to turn over to Owner. See CSI section 35 51 53 00-0039 for marine anchor to seabed, 35 59 93 13-0001 for marine chain, 35 59 93 16-0001 for marine shackles.		
35 51 53 00-0002	EA	ActionTower XXL, Modular Inflatable WaterPark Structure (Wibit WS 30001) Note: Requires 4 anchors	20,300.20	1,623.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 51 53 00-0003	EA	Base SUS, Modular Inflatable WaterPark Structure (Wibit WS 30131) Note: Requires 1 anchor	3,993.23	319.10
35 51 53 00-0004	EA	Cliff, Modular Inflatable WaterPark Structure (Wibit WS 30014) Note: Requires 1 anchor	3,918.31	313.43
35 51 53 00-0005	EA	Deck 3, Modular Inflatable WaterPark Structure (Wibit WS 30147) Note: Requires 1 anchor	3,918.31	313.43
35 51 53 00-0006	EA	Dome, Modular Inflatable WaterPark Structure (Wibit WS 30078) Note: Requires 1 anchor	7,543.75	604.45
35 51 53 00-0007	EA	GuardTower, Modular Inflatable WaterPark Structure (Wibit WS 30074) Note: Requires 2 anchors	11,461.35	912.35
35 51 53 00-0008	EA	L-Connect SUS, Modular Inflatable WaterPark Structure (Wibit WS 30135) Note: Requires 1 anchor	5,274.12	419.84
35 51 53 00-0009	EA	MonkeyBars, Modular Inflatable WaterPark Structure (Wibit WS 30072) Note: Requires 2 anchors	11,835.89	940.27
35 51 53 00-0010	EA	Peak, Modular Inflatable WaterPark Structure (Wibit WS 30129) Note: Requires 1 anchor	8,525.02	682.81
35 51 53 00-0011	EA	R-Connect SUS, Modular Inflatable WaterPark Structure (Wibit WS 30136) Note: Requires 1 anchor	5,274.12	419.84
35 51 53 00-0012	EA	Roundabout, Modular Inflatable WaterPark Structure (Wibit WS 30087) Note: Requires 1 anchor	9,498.82	755.65
35 51 53 00-0013	EA	SideKick, Modular Inflatable WaterPark Structure (Wibit WS 30040) Note: Requires 1 anchor	2,480.14	195.96
35 51 53 00-0014	EA	Slope, Modular Inflatable WaterPark Structure (Wibit WS 30044) Note: Requires 1 anchor	3,768.51	302.23
35 51 53 00-0015	EA	Springboard, Modular Inflatable WaterPark Structure (Wibit WS 30120) Note: Requires 3 anchors	21,581.10	1,723.82
35 51 53 00-0016	EA	Step, Modular Inflatable WaterPark Structure (Wibit WS 30104)	1,955.79	156.71
35 51 53 00-0017	EA	Target, Modular Inflatable WaterPark Structure (Wibit WS 30121) Note: Requires 1 anchor	5,124.31	408.64
35 51 53 00-0018	EA	T-Connect SUS, Modular Inflatable WaterPark Structure (Wibit WS 30134) Note: Requires 1 anchor	3,993.23	319.10
35 51 53 00-0019	EA	Twist, Modular Inflatable WaterPark Structure (Wibit WS 30128) Note: Requires 1 anchor	5,124.31	408.64
35 51 53 00-0020	EA	BalanceBeam, Modular Inflatable WaterPark Structure (Wibit WS 30002) Note: Requires 1 anchor	3,011.07	239.99
35 51 53 00-0021	EA	Base, Modular Inflatable WaterPark Structure (Wibit WS 30003) Note: Requires 1 anchor	2,256.32	179.85
35 51 53 00-0022	EA	Bridge, Modular Inflatable WaterPark Structure (Wibit WS 30013) Note: Requires 2 anchors	3,161.93	251.94
35 51 53 00-0023	EA	Curve, Modular Inflatable WaterPark Structure (Wibit WS 30016) Note: Requires 2 anchors	8,368.93	666.85
35 51 53 00-0024	EA	Flip, Modular Inflatable WaterPark Structure (Wibit WS 30019) Note: Requires 2 anchors	4,520.28	360.29
35 51 53 00-0025	EA	Junction, Modular Inflatable WaterPark Structure (Wibit WS 30025) Note: Requires 1 anchor	2,860.05	227.90
35 51 53 00-0026	EA	Slide, Modular Inflatable WaterPark Structure (Wibit WS 30042) Note: Requires 1 anchor	3,011.07	239.99
35 51 53 00-0027	EA	Swing, Modular Inflatable WaterPark Structure (Wibit WS 30047) Note: Requires 1 anchor	7,538.82	600.72
35 51 53 00-0028	EA	HighRoller, Modular Inflatable WaterPark Structure (Wibit WS 30073) Note: Requires 4 anchors	10,104.65	805.19
35 51 53 00-0029	EA	Hurdle, Modular Inflatable WaterPark Structure (Wibit WS 30079) Note: Requires 1 anchor	2,860.05	227.90
35 51 53 00-0030	EA	Quarterpipe, Modular Inflatable WaterPark Structure (Wibit WS 30100) Note: Requires 4 anchors	7,538.82	600.72
35 51 53 00-0031	EA	RodeoSlide, Modular Inflatable WaterPark Structure (Wibit WS 30102) Note: Requires 1 anchor	3,916.53	312.08
35 51 53 00-0032	EA	Step 6, Modular Inflatable WaterPark Structure (Wibit WS 30110)	7,538.82	600.72
35 51 53 00-0033	EA	Rock, Modular Inflatable WaterPark Structure (Wibit WS 30123) Note: Requires 3 anchors	20,367.64	1,623.08
35 51 53 00-0034	EA	Ledge, Modular Inflatable WaterPark Structure (Wibit WS 30130) Note: Requires 1 anchor	7,086.09	564.61
35 51 53 00-0035	EA	StartGate SUS, Modular Inflatable WaterPark Structure (Wibit WS 30132) Note: Requires 2 anchors	9,425.40	751.16
35 51 53 00-0036	EA	Turn SUS, Modular Inflatable WaterPark Structure (Wibit WS 30137) Note: Requires 2 anchors	6,633.21	528.63
35 51 53 00-0037	EA	Takeoff, Modular Inflatable WaterPark Structure (Wibit WS 30142) Note: Requires 1 anchor	1,735.72	138.35
35 51 53 00-0038	EA	Halfpipe, Modular Inflatable WaterPark Structure (Wibit WS30101) Note: Requires 4 anchors	7,840.70	624.75
35 51 53 00-0039		Anchors For Modular Inflatable WaterPark Structures *(35 51 53)*		
35 51 53 00-0040	EA	5' Length, 1-1/2" Solid Steel Square Bar, 8" Diameter, Helical Pier Anchors Note: Installed underwater	556.81	

35 52 Offshore Platform Construction *(35 50)*

35 52 13 Fixed Offshore Platform Construction *(35 52)*

35 52 13 00-0001		Fixed Docks *(35 52 13)*		
35 52 13 00-0002	SF	Fixed Dock, Aluminum, Complete	156.38	
35 52 13 00-0003	SF	Fixed Dock, Steel, Complete	120.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
35 52 13 00-0004	SF	Fixed Dock, Wood, Complete	64.61	

35 59 Marine Specialties *(35 50)*

35 59 13 Marine Fenders *(35 59)*

35 59 13 16 Resilient Foam-Filled Marine Fenders *(35 59 13)*

35 59 13 16-0001 Marine Bumpers And Fenders *(35 59 13 16)*

35 59 13 16-0002	EA	Bumpers	96.96	
35 59 13 16-0003	LF	Fenders	29.81	

35 59 23 Buoys *(35 59)*

35 59 23 16 Anchor Pendant Buoys *(35 59 23)*

35 59 23 16-0001 Buoys *(35 59 23 16)*

35 59 23 16-0002	EA	15" Diameter Cylinder Buoy Note: Vinyl Daymarks "EXCLUSION AREA NO BOATS SWIM AREA"	1,387.28	22.39

35 59 33 Marine Bollards and Cleats *(35 59)*

35 59 33 13 Cast-Steel Marine Bollards and Cleats *(35 59 33)*

35 59 33 13-0001 Cast-Steel Marine Cleats *(35 59 33 13)*

35 59 33 13-0002	EA	8" Cleat, Galvanized	36.05	
35 59 33 13-0003	EA	10" Cleat, Galvanized	45.81	
35 59 33 13-0004	EA	12" Cleat, Galvanized	55.58	

35 59 33 16 Cast-Iron Marine Bollards and Cleats *(35 59 33)*

35 59 33 16-0001 Cast-Iron Marine Cleats *(35 59 33 16)*

35 59 33 16-0002	EA	6" Safety Cleat, Cast	77.26	
35 59 33 16-0003	EA	8" Safety Cleat, Cast	101.66	

35 59 33 19 Stainless-Steel Marine Bollards and Cleats *(35 59 33)*

35 59 33 19-0001 Stainless-Steel Marine Cleats *(35 59 33 19)*

35 59 33 19-0002	EA	8" Cleat, Stainless Steel	59.26	

35 59 93 Marine Chain and Accessories *(35 59)*

35 59 93 13 Marine Chain *(35 59 93)*

35 59 93 13-0001 Marine Chain *(35 59 93 13)*

35 59 93 13-0002	LF	1" Diameter, 600' Coil, Blue Steel Poly Rope	9.18	2.22

35 59 93 16 Marine Shackles *(35 59 93)*

35 59 93 16-0001 Marine Shackles *(35 59 93 16)*

35 59 93 16-0002	EA	1/2" Stainless Steel Screw Pin Chain Shackle	79.42	29.36

END OF SECTION 35

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,018.45	254.87
		For Class 52 Rating, Deduct		*-69.55*	
		For Class 54 Rating, Add		*99.47*	
		For Class 55 Rating, Add		*150.26*	
		For Class 56 Rating, Add		*200.42*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,092.85	259.33
		For Class 52 Rating, Deduct		*-76.99*	
		For Class 54 Rating, Add		*109.70*	
		For Class 55 Rating, Add		*165.51*	
		For Class 56 Rating, Add		*220.62*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,167.24	263.79
		For Class 52 Rating, Deduct		*-84.43*	
		For Class 54 Rating, Add		*119.93*	
		For Class 55 Rating, Add		*180.76*	
		For Class 56 Rating, Add		*240.82*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,241.65	268.24
		For Class 52 Rating, Deduct		*-91.87*	
		For Class 54 Rating, Add		*130.16*	
		For Class 55 Rating, Add		*196.01*	
		For Class 56 Rating, Add		*261.02*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,316.05	272.70
		For Class 52 Rating, Deduct		*-99.32*	
		For Class 54 Rating, Add		*140.39*	
		For Class 55 Rating, Add		*211.26*	
		For Class 56 Rating, Add		*281.22*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,390.46	277.16
		For Class 52 Rating, Deduct		*-106.76*	
		For Class 54 Rating, Add		*150.62*	
		For Class 55 Rating, Add		*226.50*	
		For Class 56 Rating, Add		*301.42*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,464.85	281.61
		For Class 52 Rating, Deduct		*-114.20*	
		For Class 54 Rating, Add		*160.85*	
		For Class 55 Rating, Add		*241.75*	
		For Class 56 Rating, Add		*321.62*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,539.25	286.07
		For Class 52 Rating, Deduct		*-121.64*	
		For Class 54 Rating, Add		*171.07*	
		For Class 55 Rating, Add		*257.00*	
		For Class 56 Rating, Add		*341.82*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,613.66	290.53
		For Class 52 Rating, Deduct		*-129.08*	
		For Class 54 Rating, Add		*181.30*	
		For Class 55 Rating, Add		*272.25*	
		For Class 56 Rating, Add		*362.02*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,688.05	294.97
		For Class 52 Rating, Deduct		*-136.52*	
		For Class 54 Rating, Add		*191.53*	
		For Class 55 Rating, Add		*287.50*	
		For Class 56 Rating, Add		*382.22*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,762.46	299.43
		For Class 52 Rating, Deduct		*-143.96*	
		For Class 54 Rating, Add		*201.76*	
		For Class 55 Rating, Add		*302.74*	
		For Class 56 Rating, Add		*402.42*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,836.86	303.89
		For Class 52 Rating, Deduct		*-151.41*	
		For Class 54 Rating, Add		*211.99*	
		For Class 55 Rating, Add		*317.99*	
		For Class 56 Rating, Add		*422.62*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,911.26	308.34
		For Class 52 Rating, Deduct		*-158.85*	
		For Class 54 Rating, Add		*222.22*	
		For Class 55 Rating, Add		*333.24*	
		For Class 56 Rating, Add		*442.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.66	312.80
		For Class 52 Rating, Deduct	*-166.29*	
		For Class 54 Rating, Add	*232.45*	
		For Class 55 Rating, Add	*348.49*	
		For Class 56 Rating, Add	*463.02*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,060.06	317.26
		For Class 52 Rating, Deduct	*-173.73*	
		For Class 54 Rating, Add	*242.67*	
		For Class 55 Rating, Add	*363.74*	
		For Class 56 Rating, Add	*483.22*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,134.47	321.72
		For Class 52 Rating, Deduct	*-181.17*	
		For Class 54 Rating, Add	*252.90*	
		For Class 55 Rating, Add	*378.98*	
		For Class 56 Rating, Add	*503.42*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,208.87	326.17
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*263.13*	
		For Class 55 Rating, Add	*394.23*	
		For Class 56 Rating, Add	*523.62*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,283.26	330.63
		For Class 52 Rating, Deduct	*-196.06*	
		For Class 54 Rating, Add	*273.36*	
		For Class 55 Rating, Add	*409.48*	
		For Class 56 Rating, Add	*543.82*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,357.67	335.09
		For Class 52 Rating, Deduct	*-203.50*	
		For Class 54 Rating, Add	*283.59*	
		For Class 55 Rating, Add	*424.73*	
		For Class 56 Rating, Add	*564.02*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,432.07	339.53
		For Class 52 Rating, Deduct	*-210.94*	
		For Class 54 Rating, Add	*293.82*	
		For Class 55 Rating, Add	*439.98*	
		For Class 56 Rating, Add	*584.22*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,506.47	343.99
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*304.04*	
		For Class 55 Rating, Add	*455.22*	
		For Class 56 Rating, Add	*604.42*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.86	348.45
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*314.27*	
		For Class 55 Rating, Add	*470.47*	
		For Class 56 Rating, Add	*624.61*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,655.26	352.90
		For Class 52 Rating, Deduct	*-233.26*	
		For Class 54 Rating, Add	*324.50*	
		For Class 55 Rating, Add	*485.72*	
		For Class 56 Rating, Add	*644.81*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,729.67	357.36
		For Class 52 Rating, Deduct	*-240.70*	
		For Class 54 Rating, Add	*334.73*	
		For Class 55 Rating, Add	*500.97*	
		For Class 56 Rating, Add	*665.01*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,804.06	361.82
		For Class 52 Rating, Deduct	*-248.14*	
		For Class 54 Rating, Add	*344.96*	
		For Class 55 Rating, Add	*516.21*	
		For Class 56 Rating, Add	*685.21*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,878.47	366.27
		For Class 52 Rating, Deduct	*-255.59*	
		For Class 54 Rating, Add	*355.19*	
		For Class 55 Rating, Add	*531.46*	
		For Class 56 Rating, Add	*705.41*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,952.87	370.73
		For Class 52 Rating, Deduct	*-263.03*	
		For Class 54 Rating, Add	*365.41*	
		For Class 55 Rating, Add	*546.71*	
		For Class 56 Rating, Add	*725.61*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,027.27	375.19
		For Class 52 Rating, Deduct	*-270.47*	
		For Class 54 Rating, Add	*375.64*	
		For Class 55 Rating, Add	*561.96*	
		For Class 56 Rating, Add	*745.81*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,101.67	379.64
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*385.87*	
		For Class 55 Rating, Add	*577.21*	
		For Class 56 Rating, Add	*766.01*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,176.07	384.10
		For Class 52 Rating, Deduct	*-285.35*	
		For Class 54 Rating, Add	*396.10*	
		For Class 55 Rating, Add	*592.45*	
		For Class 56 Rating, Add	*786.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,250.48	388.55
		For Class 52 Rating, Deduct	*-292.79*	
		For Class 54 Rating, Add	*406.33*	
		For Class 55 Rating, Add	*607.70*	
		For Class 56 Rating, Add	*806.41*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,324.88	393.00
		For Class 52 Rating, Deduct	*-300.24*	
		For Class 54 Rating, Add	*416.56*	
		For Class 55 Rating, Add	*622.95*	
		For Class 56 Rating, Add	*826.61*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,399.27	397.46
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*426.79*	
		For Class 55 Rating, Add	*638.20*	
		For Class 56 Rating, Add	*846.81*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,473.68	401.92
		For Class 52 Rating, Deduct	*-315.12*	
		For Class 54 Rating, Add	*437.01*	
		For Class 55 Rating, Add	*653.45*	
		For Class 56 Rating, Add	*867.01*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,548.08	406.38
		For Class 52 Rating, Deduct	*-322.56*	
		For Class 54 Rating, Add	*447.24*	
		For Class 55 Rating, Add	*668.69*	
		For Class 56 Rating, Add	*887.21*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,622.49	410.83
		For Class 52 Rating, Deduct	*-330.00*	
		For Class 54 Rating, Add	*457.47*	
		For Class 55 Rating, Add	*683.94*	
		For Class 56 Rating, Add	*907.41*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,696.88	415.29
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*467.70*	
		For Class 55 Rating, Add	*699.19*	
		For Class 56 Rating, Add	*927.61*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,771.28	419.75
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*477.93*	
		For Class 55 Rating, Add	*714.44*	
		For Class 56 Rating, Add	*947.81*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,845.69	424.20
		For Class 52 Rating, Deduct	*-352.33*	
		For Class 54 Rating, Add	*488.16*	
		For Class 55 Rating, Add	*729.69*	
		For Class 56 Rating, Add	*968.01*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,290.09	320.82
		For Class 52 Rating, Deduct	*-88.44*	
		For Class 54 Rating, Add	*126.43*	
		For Class 55 Rating, Add	*190.96*	
		For Class 56 Rating, Add	*254.68*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,380.09	325.28
		For Class 52 Rating, Deduct	*-97.60*	
		For Class 54 Rating, Add	*139.00*	
		For Class 55 Rating, Add	*209.68*	
		For Class 56 Rating, Add	*279.48*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,470.12	329.74
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*151.57*	
		For Class 55 Rating, Add	*228.42*	
		For Class 56 Rating, Add	*304.29*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,560.13	334.19
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*164.14*	
		For Class 55 Rating, Add	*247.15*	
		For Class 56 Rating, Add	*329.09*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,650.14	338.65
		For Class 52 Rating, Deduct	*-125.07*	
		For Class 54 Rating, Add	*176.71*	
		For Class 55 Rating, Add	*265.87*	
		For Class 56 Rating, Add	*353.90*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,740.15	343.11
		For Class 52 Rating, Deduct	*-134.23*	
		For Class 54 Rating, Add	*189.28*	
		For Class 55 Rating, Add	*284.60*	
		For Class 56 Rating, Add	*378.70*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,830.16	347.56
		For Class 52 Rating, Deduct	*-143.39*	
		For Class 54 Rating, Add	*201.85*	
		For Class 55 Rating, Add	*303.33*	
		For Class 56 Rating, Add	*403.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,920.18	352.01
		For Class 52 Rating, Deduct	*-152.55*	
		For Class 54 Rating, Add	*214.42*	
		For Class 55 Rating, Add	*322.06*	
		For Class 56 Rating, Add	*428.31*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,010.19	356.47
		For Class 52 Rating, Deduct	*-161.71*	
		For Class 54 Rating, Add	*226.99*	
		For Class 55 Rating, Add	*340.79*	
		For Class 56 Rating, Add	*453.12*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,100.20	360.92
		For Class 52 Rating, Deduct	*-170.87*	
		For Class 54 Rating, Add	*239.56*	
		For Class 55 Rating, Add	*359.52*	
		For Class 56 Rating, Add	*477.92*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,190.22	365.38
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*252.13*	
		For Class 55 Rating, Add	*378.25*	
		For Class 56 Rating, Add	*502.73*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,280.23	369.84
		For Class 52 Rating, Deduct	*-189.19*	
		For Class 54 Rating, Add	*264.70*	
		For Class 55 Rating, Add	*396.98*	
		For Class 56 Rating, Add	*527.53*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,370.25	374.29
		For Class 52 Rating, Deduct	*-198.34*	
		For Class 54 Rating, Add	*277.27*	
		For Class 55 Rating, Add	*415.71*	
		For Class 56 Rating, Add	*552.34*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.25	378.75
		For Class 52 Rating, Deduct	*-207.50*	
		For Class 54 Rating, Add	*289.84*	
		For Class 55 Rating, Add	*434.44*	
		For Class 56 Rating, Add	*577.14*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,550.26	383.21
		For Class 52 Rating, Deduct	*-216.66*	
		For Class 54 Rating, Add	*302.41*	
		For Class 55 Rating, Add	*453.17*	
		For Class 56 Rating, Add	*601.95*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,640.28	387.66
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*314.98*	
		For Class 55 Rating, Add	*471.90*	
		For Class 56 Rating, Add	*626.75*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,730.29	392.12
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*327.56*	
		For Class 55 Rating, Add	*490.63*	
		For Class 56 Rating, Add	*651.56*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,820.31	396.57
		For Class 52 Rating, Deduct	*-244.14*	
		For Class 54 Rating, Add	*340.13*	
		For Class 55 Rating, Add	*509.36*	
		For Class 56 Rating, Add	*676.37*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,910.32	401.03
		For Class 52 Rating, Deduct	*-253.30*	
		For Class 54 Rating, Add	*352.70*	
		For Class 55 Rating, Add	*528.08*	
		For Class 56 Rating, Add	*701.17*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,000.33	405.48
		For Class 52 Rating, Deduct	*-262.46*	
		For Class 54 Rating, Add	*365.27*	
		For Class 55 Rating, Add	*546.81*	
		For Class 56 Rating, Add	*725.98*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,090.34	409.94
		For Class 52 Rating, Deduct	*-271.61*	
		For Class 54 Rating, Add	*377.84*	
		For Class 55 Rating, Add	*565.54*	
		For Class 56 Rating, Add	*750.78*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,180.35	414.40
		For Class 52 Rating, Deduct	*-280.77*	
		For Class 54 Rating, Add	*390.41*	
		For Class 55 Rating, Add	*584.27*	
		For Class 56 Rating, Add	*775.58*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,270.37	418.85
		For Class 52 Rating, Deduct	*-289.93*	
		For Class 54 Rating, Add	*402.98*	
		For Class 55 Rating, Add	*603.00*	
		For Class 56 Rating, Add	*800.39*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,360.39	423.31
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*415.55*	
		For Class 55 Rating, Add	*621.73*	
		For Class 56 Rating, Add	*825.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,450.39	427.77
		For Class 52 Rating, Deduct	*-308.25*	
		For Class 54 Rating, Add	*428.12*	
		For Class 55 Rating, Add	*640.46*	
		For Class 56 Rating, Add	*850.00*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,540.41	432.22
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*440.69*	
		For Class 55 Rating, Add	*659.19*	
		For Class 56 Rating, Add	*874.81*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,630.42	436.68
		For Class 52 Rating, Deduct	*-326.57*	
		For Class 54 Rating, Add	*453.26*	
		For Class 55 Rating, Add	*677.92*	
		For Class 56 Rating, Add	*899.61*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.43	441.14
		For Class 52 Rating, Deduct	*-335.73*	
		For Class 54 Rating, Add	*465.83*	
		For Class 55 Rating, Add	*696.65*	
		For Class 56 Rating, Add	*924.42*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,810.44	445.58
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*478.40*	
		For Class 55 Rating, Add	*715.38*	
		For Class 56 Rating, Add	*949.22*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,900.46	450.04
		For Class 52 Rating, Deduct	*-354.04*	
		For Class 54 Rating, Add	*490.97*	
		For Class 55 Rating, Add	*734.11*	
		For Class 56 Rating, Add	*974.03*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,990.48	454.50
		For Class 52 Rating, Deduct	*-363.20*	
		For Class 54 Rating, Add	*503.54*	
		For Class 55 Rating, Add	*752.84*	
		For Class 56 Rating, Add	*998.83*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,080.48	458.95
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*516.11*	
		For Class 55 Rating, Add	*771.57*	
		For Class 56 Rating, Add	*1,023.64*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,170.50	463.41
		For Class 52 Rating, Deduct	*-381.52*	
		For Class 54 Rating, Add	*528.68*	
		For Class 55 Rating, Add	*790.30*	
		For Class 56 Rating, Add	*1,048.44*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,260.51	467.87
		For Class 52 Rating, Deduct	*-390.68*	
		For Class 54 Rating, Add	*541.25*	
		For Class 55 Rating, Add	*809.02*	
		For Class 56 Rating, Add	*1,073.25*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,350.52	472.32
		For Class 52 Rating, Deduct	*-399.84*	
		For Class 54 Rating, Add	*553.82*	
		For Class 55 Rating, Add	*827.75*	
		For Class 56 Rating, Add	*1,098.05*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,440.53	476.78
		For Class 52 Rating, Deduct	*-409.00*	
		For Class 54 Rating, Add	*566.39*	
		For Class 55 Rating, Add	*846.48*	
		For Class 56 Rating, Add	*1,122.86*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,530.55	481.24
		For Class 52 Rating, Deduct	*-418.16*	
		For Class 54 Rating, Add	*578.96*	
		For Class 55 Rating, Add	*865.21*	
		For Class 56 Rating, Add	*1,147.66*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,620.57	485.69
		For Class 52 Rating, Deduct	*-427.31*	
		For Class 54 Rating, Add	*591.53*	
		For Class 55 Rating, Add	*883.94*	
		For Class 56 Rating, Add	*1,172.47*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,710.58	490.14
		For Class 52 Rating, Deduct	*-436.47*	
		For Class 54 Rating, Add	*604.10*	
		For Class 55 Rating, Add	*902.67*	
		For Class 56 Rating, Add	*1,197.27*	
40 05 19 00-0083		8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,804.99	409.94
		For Class 52 Rating, Deduct	*-130.23*	
		For Class 54 Rating, Add	*185.03*	
		For Class 55 Rating, Add	*278.91*	
		For Class 56 Rating, Add	*371.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,926.23	414.40
		For Class 52 Rating, Deduct	*-142.82*	
		For Class 54 Rating, Add	*202.29*	
		For Class 55 Rating, Add	*304.60*	
		For Class 56 Rating, Add	*405.62*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,047.47	418.85
		For Class 52 Rating, Deduct	*-155.41*	
		For Class 54 Rating, Add	*219.54*	
		For Class 55 Rating, Add	*330.29*	
		For Class 56 Rating, Add	*439.63*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,168.71	423.31
		For Class 52 Rating, Deduct	*-168.01*	
		For Class 54 Rating, Add	*236.80*	
		For Class 55 Rating, Add	*355.99*	
		For Class 56 Rating, Add	*473.65*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.93	427.77
		For Class 52 Rating, Deduct	*-180.60*	
		For Class 54 Rating, Add	*254.05*	
		For Class 55 Rating, Add	*381.68*	
		For Class 56 Rating, Add	*507.67*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,411.18	432.22
		For Class 52 Rating, Deduct	*-193.19*	
		For Class 54 Rating, Add	*271.30*	
		For Class 55 Rating, Add	*407.37*	
		For Class 56 Rating, Add	*541.68*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,532.41	436.68
		For Class 52 Rating, Deduct	*-205.79*	
		For Class 54 Rating, Add	*288.56*	
		For Class 55 Rating, Add	*433.06*	
		For Class 56 Rating, Add	*575.70*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,653.64	441.14
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*305.81*	
		For Class 55 Rating, Add	*458.75*	
		For Class 56 Rating, Add	*609.71*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,774.88	445.58
		For Class 52 Rating, Deduct	*-230.97*	
		For Class 54 Rating, Add	*323.06*	
		For Class 55 Rating, Add	*484.45*	
		For Class 56 Rating, Add	*643.73*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,896.11	450.04
		For Class 52 Rating, Deduct	*-243.57*	
		For Class 54 Rating, Add	*340.32*	
		For Class 55 Rating, Add	*510.14*	
		For Class 56 Rating, Add	*677.75*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,017.36	454.50
		For Class 52 Rating, Deduct	*-256.16*	
		For Class 54 Rating, Add	*357.57*	
		For Class 55 Rating, Add	*535.83*	
		For Class 56 Rating, Add	*711.76*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,138.58	458.95
		For Class 52 Rating, Deduct	*-268.75*	
		For Class 54 Rating, Add	*374.82*	
		For Class 55 Rating, Add	*561.52*	
		For Class 56 Rating, Add	*745.78*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,259.83	463.41
		For Class 52 Rating, Deduct	*-281.35*	
		For Class 54 Rating, Add	*392.08*	
		For Class 55 Rating, Add	*587.22*	
		For Class 56 Rating, Add	*779.80*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,381.06	467.87
		For Class 52 Rating, Deduct	*-293.94*	
		For Class 54 Rating, Add	*409.33*	
		For Class 55 Rating, Add	*612.91*	
		For Class 56 Rating, Add	*813.81*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,502.30	472.32
		For Class 52 Rating, Deduct	*-306.53*	
		For Class 54 Rating, Add	*426.59*	
		For Class 55 Rating, Add	*638.60*	
		For Class 56 Rating, Add	*847.83*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,623.53	476.78
		For Class 52 Rating, Deduct	*-319.13*	
		For Class 54 Rating, Add	*443.84*	
		For Class 55 Rating, Add	*664.29*	
		For Class 56 Rating, Add	*881.84*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,744.77	481.24
		For Class 52 Rating, Deduct	*-331.72*	
		For Class 54 Rating, Add	*461.09*	
		For Class 55 Rating, Add	*689.98*	
		For Class 56 Rating, Add	*915.86*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,866.01	485.69
		For Class 52 Rating, Deduct	*-344.31*	
		For Class 54 Rating, Add	*478.35*	
		For Class 55 Rating, Add	*715.68*	
		For Class 56 Rating, Add	*949.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,987.24	490.14
		For Class 52 Rating, Deduct	*-356.90*	
		For Class 54 Rating, Add	*495.60*	
		For Class 55 Rating, Add	*741.37*	
		For Class 56 Rating, Add	*983.89*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,108.47	494.60
		For Class 52 Rating, Deduct	*-369.50*	
		For Class 54 Rating, Add	*512.85*	
		For Class 55 Rating, Add	*767.06*	
		For Class 56 Rating, Add	*1,017.91*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,229.71	499.06
		For Class 52 Rating, Deduct	*-382.09*	
		For Class 54 Rating, Add	*530.11*	
		For Class 55 Rating, Add	*792.75*	
		For Class 56 Rating, Add	*1,051.92*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,350.95	503.51
		For Class 52 Rating, Deduct	*-394.69*	
		For Class 54 Rating, Add	*547.36*	
		For Class 55 Rating, Add	*818.44*	
		For Class 56 Rating, Add	*1,085.94*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,472.18	507.97
		For Class 52 Rating, Deduct	*-407.28*	
		For Class 54 Rating, Add	*564.62*	
		For Class 55 Rating, Add	*844.14*	
		For Class 56 Rating, Add	*1,119.95*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,593.42	512.43
		For Class 52 Rating, Deduct	*-419.87*	
		For Class 54 Rating, Add	*581.87*	
		For Class 55 Rating, Add	*869.83*	
		For Class 56 Rating, Add	*1,153.97*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,714.65	516.88
		For Class 52 Rating, Deduct	*-432.47*	
		For Class 54 Rating, Add	*599.12*	
		For Class 55 Rating, Add	*895.52*	
		For Class 56 Rating, Add	*1,187.99*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,835.90	521.34
		For Class 52 Rating, Deduct	*-445.06*	
		For Class 54 Rating, Add	*616.38*	
		For Class 55 Rating, Add	*921.21*	
		For Class 56 Rating, Add	*1,222.00*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,957.12	525.80
		For Class 52 Rating, Deduct	*-457.65*	
		For Class 54 Rating, Add	*633.63*	
		For Class 55 Rating, Add	*946.90*	
		For Class 56 Rating, Add	*1,256.02*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,078.36	530.25
		For Class 52 Rating, Deduct	*-470.24*	
		For Class 54 Rating, Add	*650.88*	
		For Class 55 Rating, Add	*972.60*	
		For Class 56 Rating, Add	*1,290.03*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,199.60	534.70
		For Class 52 Rating, Deduct	*-482.84*	
		For Class 54 Rating, Add	*668.14*	
		For Class 55 Rating, Add	*998.29*	
		For Class 56 Rating, Add	*1,324.05*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,320.83	539.16
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*685.39*	
		For Class 55 Rating, Add	*1,023.98*	
		For Class 56 Rating, Add	*1,358.07*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,442.07	543.61
		For Class 52 Rating, Deduct	*-508.03*	
		For Class 54 Rating, Add	*702.65*	
		For Class 55 Rating, Add	*1,049.67*	
		For Class 56 Rating, Add	*1,392.08*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,563.30	548.07
		For Class 52 Rating, Deduct	*-520.62*	
		For Class 54 Rating, Add	*719.90*	
		For Class 55 Rating, Add	*1,075.36*	
		For Class 56 Rating, Add	*1,426.10*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.55	552.53
		For Class 52 Rating, Deduct	*-533.21*	
		For Class 54 Rating, Add	*737.15*	
		For Class 55 Rating, Add	*1,101.06*	
		For Class 56 Rating, Add	*1,460.12*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,805.78	556.98
		For Class 52 Rating, Deduct	*-545.80*	
		For Class 54 Rating, Add	*754.41*	
		For Class 55 Rating, Add	*1,126.75*	
		For Class 56 Rating, Add	*1,494.13*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,927.01	561.44
		For Class 52 Rating, Deduct	*-558.40*	
		For Class 54 Rating, Add	*771.66*	
		For Class 55 Rating, Add	*1,152.44*	
		For Class 56 Rating, Add	*1,528.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,048.25	565.90
		For Class 52 Rating, Deduct	*-570.99*	
		For Class 54 Rating, Add	*788.91*	
		For Class 55 Rating, Add	*1,178.13*	
		For Class 56 Rating, Add	*1,562.16*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,169.48	570.35
		For Class 52 Rating, Deduct	*-583.58*	
		For Class 54 Rating, Add	*806.17*	
		For Class 55 Rating, Add	*1,203.82*	
		For Class 56 Rating, Add	*1,596.18*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,290.72	574.81
		For Class 52 Rating, Deduct	*-596.18*	
		For Class 54 Rating, Add	*823.42*	
		For Class 55 Rating, Add	*1,229.52*	
		For Class 56 Rating, Add	*1,630.19*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,411.95	579.27
		For Class 52 Rating, Deduct	*-608.77*	
		For Class 54 Rating, Add	*840.67*	
		For Class 55 Rating, Add	*1,255.21*	
		For Class 56 Rating, Add	*1,664.21*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,275.67	499.06
		For Class 52 Rating, Deduct	*-167.15*	
		For Class 54 Rating, Add	*237.00*	
		For Class 55 Rating, Add	*357.00*	
		For Class 56 Rating, Add	*475.48*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,433.33	503.51
		For Class 52 Rating, Deduct	*-183.75*	
		For Class 54 Rating, Add	*259.72*	
		For Class 55 Rating, Add	*390.82*	
		For Class 56 Rating, Add	*520.24*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.99	507.97
		For Class 52 Rating, Deduct	*-200.35*	
		For Class 54 Rating, Add	*282.44*	
		For Class 55 Rating, Add	*424.63*	
		For Class 56 Rating, Add	*565.00*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,748.66	512.43
		For Class 52 Rating, Deduct	*-216.95*	
		For Class 54 Rating, Add	*305.16*	
		For Class 55 Rating, Add	*458.45*	
		For Class 56 Rating, Add	*609.77*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,906.32	516.88
		For Class 52 Rating, Deduct	*-233.55*	
		For Class 54 Rating, Add	*327.87*	
		For Class 55 Rating, Add	*492.26*	
		For Class 56 Rating, Add	*654.53*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,063.99	521.34
		For Class 52 Rating, Deduct	*-250.15*	
		For Class 54 Rating, Add	*350.59*	
		For Class 55 Rating, Add	*526.08*	
		For Class 56 Rating, Add	*699.29*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,221.64	525.80
		For Class 52 Rating, Deduct	*-266.75*	
		For Class 54 Rating, Add	*373.31*	
		For Class 55 Rating, Add	*559.89*	
		For Class 56 Rating, Add	*744.05*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,379.31	530.25
		For Class 52 Rating, Deduct	*-283.35*	
		For Class 54 Rating, Add	*396.03*	
		For Class 55 Rating, Add	*593.71*	
		For Class 56 Rating, Add	*788.81*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,536.97	534.70
		For Class 52 Rating, Deduct	*-299.95*	
		For Class 54 Rating, Add	*418.74*	
		For Class 55 Rating, Add	*627.52*	
		For Class 56 Rating, Add	*833.57*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,694.63	539.16
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*441.46*	
		For Class 55 Rating, Add	*661.34*	
		For Class 56 Rating, Add	*878.34*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,852.29	543.61
		For Class 52 Rating, Deduct	*-333.15*	
		For Class 54 Rating, Add	*464.18*	
		For Class 55 Rating, Add	*695.15*	
		For Class 56 Rating, Add	*923.10*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,009.96	548.07
		For Class 52 Rating, Deduct	*-349.75*	
		For Class 54 Rating, Add	*486.90*	
		For Class 55 Rating, Add	*728.97*	
		For Class 56 Rating, Add	*967.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,167.63	552.53
		For Class 52 Rating, Deduct	*-366.35*	
		For Class 54 Rating, Add	*509.62*	
		For Class 55 Rating, Add	*762.78*	
		For Class 56 Rating, Add	*1,012.62*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,325.29	556.98
		For Class 52 Rating, Deduct	*-382.95*	
		For Class 54 Rating, Add	*532.33*	
		For Class 55 Rating, Add	*796.60*	
		For Class 56 Rating, Add	*1,057.39*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,482.94	561.44
		For Class 52 Rating, Deduct	*-399.55*	
		For Class 54 Rating, Add	*555.05*	
		For Class 55 Rating, Add	*830.41*	
		For Class 56 Rating, Add	*1,102.15*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,640.61	565.90
		For Class 52 Rating, Deduct	*-416.15*	
		For Class 54 Rating, Add	*577.77*	
		For Class 55 Rating, Add	*864.23*	
		For Class 56 Rating, Add	*1,146.91*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.27	570.35
		For Class 52 Rating, Deduct	*-432.75*	
		For Class 54 Rating, Add	*600.49*	
		For Class 55 Rating, Add	*898.04*	
		For Class 56 Rating, Add	*1,191.67*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,955.93	574.81
		For Class 52 Rating, Deduct	*-449.35*	
		For Class 54 Rating, Add	*623.20*	
		For Class 55 Rating, Add	*931.86*	
		For Class 56 Rating, Add	*1,236.43*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,113.60	579.27
		For Class 52 Rating, Deduct	*-465.95*	
		For Class 54 Rating, Add	*645.92*	
		For Class 55 Rating, Add	*965.68*	
		For Class 56 Rating, Add	*1,281.20*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,271.26	583.72
		For Class 52 Rating, Deduct	*-482.55*	
		For Class 54 Rating, Add	*668.64*	
		For Class 55 Rating, Add	*999.49*	
		For Class 56 Rating, Add	*1,325.96*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,428.93	588.17
		For Class 52 Rating, Deduct	*-499.15*	
		For Class 54 Rating, Add	*691.36*	
		For Class 55 Rating, Add	*1,033.31*	
		For Class 56 Rating, Add	*1,370.72*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,586.58	592.63
		For Class 52 Rating, Deduct	*-515.75*	
		For Class 54 Rating, Add	*714.07*	
		For Class 55 Rating, Add	*1,067.12*	
		For Class 56 Rating, Add	*1,415.48*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,744.25	597.09
		For Class 52 Rating, Deduct	*-532.35*	
		For Class 54 Rating, Add	*736.79*	
		For Class 55 Rating, Add	*1,100.94*	
		For Class 56 Rating, Add	*1,460.24*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,901.91	601.54
		For Class 52 Rating, Deduct	*-548.95*	
		For Class 54 Rating, Add	*759.51*	
		For Class 55 Rating, Add	*1,134.75*	
		For Class 56 Rating, Add	*1,505.00*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,059.57	606.00
		For Class 52 Rating, Deduct	*-565.55*	
		For Class 54 Rating, Add	*782.23*	
		For Class 55 Rating, Add	*1,168.57*	
		For Class 56 Rating, Add	*1,549.76*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,217.24	610.46
		For Class 52 Rating, Deduct	*-582.15*	
		For Class 54 Rating, Add	*804.95*	
		For Class 55 Rating, Add	*1,202.38*	
		For Class 56 Rating, Add	*1,594.53*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,374.90	614.91
		For Class 52 Rating, Deduct	*-598.75*	
		For Class 54 Rating, Add	*827.66*	
		For Class 55 Rating, Add	*1,236.20*	
		For Class 56 Rating, Add	*1,639.29*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,532.57	619.37
		For Class 52 Rating, Deduct	*-615.35*	
		For Class 54 Rating, Add	*850.38*	
		For Class 55 Rating, Add	*1,270.01*	
		For Class 56 Rating, Add	*1,684.05*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,690.23	623.83
		For Class 52 Rating, Deduct	*-631.95*	
		For Class 54 Rating, Add	*873.10*	
		For Class 55 Rating, Add	*1,303.83*	
		For Class 56 Rating, Add	*1,728.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,847.88	628.27
		For Class 52 Rating, Deduct	*-648.55*	
		For Class 54 Rating, Add	*895.82*	
		For Class 55 Rating, Add	*1,337.64*	
		For Class 56 Rating, Add	*1,773.57*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,005.55	632.73
		For Class 52 Rating, Deduct	*-665.15*	
		For Class 54 Rating, Add	*918.53*	
		For Class 55 Rating, Add	*1,371.46*	
		For Class 56 Rating, Add	*1,818.34*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,160.61	637.19
		For Class 52 Rating, Deduct	*-681.47*	
		For Class 54 Rating, Add	*940.86*	
		For Class 55 Rating, Add	*1,404.69*	
		For Class 56 Rating, Add	*1,862.33*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,320.87	641.64
		For Class 52 Rating, Deduct	*-698.35*	
		For Class 54 Rating, Add	*963.97*	
		For Class 55 Rating, Add	*1,439.09*	
		For Class 56 Rating, Add	*1,907.86*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,478.54	646.10
		For Class 52 Rating, Deduct	*-714.96*	
		For Class 54 Rating, Add	*986.69*	
		For Class 55 Rating, Add	*1,472.91*	
		For Class 56 Rating, Add	*1,952.62*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,636.20	650.56
		For Class 52 Rating, Deduct	*-731.56*	
		For Class 54 Rating, Add	*1,009.40*	
		For Class 55 Rating, Add	*1,506.72*	
		For Class 56 Rating, Add	*1,997.39*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,793.87	655.01
		For Class 52 Rating, Deduct	*-748.16*	
		For Class 54 Rating, Add	*1,032.12*	
		For Class 55 Rating, Add	*1,540.54*	
		For Class 56 Rating, Add	*2,042.15*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,951.52	659.47
		For Class 52 Rating, Deduct	*-764.76*	
		For Class 54 Rating, Add	*1,054.84*	
		For Class 55 Rating, Add	*1,574.35*	
		For Class 56 Rating, Add	*2,086.91*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,109.19	663.93
		For Class 52 Rating, Deduct	*-781.36*	
		For Class 54 Rating, Add	*1,077.56*	
		For Class 55 Rating, Add	*1,608.17*	
		For Class 56 Rating, Add	*2,131.67*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,266.85	668.38
		For Class 52 Rating, Deduct	*-797.96*	
		For Class 54 Rating, Add	*1,100.27*	
		For Class 55 Rating, Add	*1,641.98*	
		For Class 56 Rating, Add	*2,176.43*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,979.89	623.83
		For Class 52 Rating, Deduct	*-223.82*	
		For Class 54 Rating, Add	*316.55*	
		For Class 55 Rating, Add	*476.42*	
		For Class 56 Rating, Add	*634.26*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,176.57	628.27
		For Class 52 Rating, Deduct	*-244.71*	
		For Class 54 Rating, Add	*345.12*	
		For Class 55 Rating, Add	*518.94*	
		For Class 56 Rating, Add	*690.54*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,373.27	632.73
		For Class 52 Rating, Deduct	*-265.60*	
		For Class 54 Rating, Add	*373.69*	
		For Class 55 Rating, Add	*561.46*	
		For Class 56 Rating, Add	*746.81*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,569.96	637.19
		For Class 52 Rating, Deduct	*-286.50*	
		For Class 54 Rating, Add	*402.26*	
		For Class 55 Rating, Add	*603.98*	
		For Class 56 Rating, Add	*803.09*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,766.65	641.64
		For Class 52 Rating, Deduct	*-307.39*	
		For Class 54 Rating, Add	*430.84*	
		For Class 55 Rating, Add	*646.50*	
		For Class 56 Rating, Add	*859.36*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,963.34	646.10
		For Class 52 Rating, Deduct	*-328.28*	
		For Class 54 Rating, Add	*459.41*	
		For Class 55 Rating, Add	*689.02*	
		For Class 56 Rating, Add	*915.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,160.03	650.56
		For Class 52 Rating, Deduct	*-349.18*	
		For Class 54 Rating, Add	*487.98*	
		For Class 55 Rating, Add	*731.53*	
		For Class 56 Rating, Add	*971.92*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,356.73	655.01
		For Class 52 Rating, Deduct	*-370.07*	
		For Class 54 Rating, Add	*516.55*	
		For Class 55 Rating, Add	*774.05*	
		For Class 56 Rating, Add	*1,028.19*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,553.41	659.47
		For Class 52 Rating, Deduct	*-390.96*	
		For Class 54 Rating, Add	*545.12*	
		For Class 55 Rating, Add	*816.57*	
		For Class 56 Rating, Add	*1,084.47*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,750.11	663.93
		For Class 52 Rating, Deduct	*-411.86*	
		For Class 54 Rating, Add	*573.70*	
		For Class 55 Rating, Add	*859.09*	
		For Class 56 Rating, Add	*1,140.74*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,946.80	668.38
		For Class 52 Rating, Deduct	*-432.75*	
		For Class 54 Rating, Add	*602.27*	
		For Class 55 Rating, Add	*901.61*	
		For Class 56 Rating, Add	*1,197.02*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,143.49	672.83
		For Class 52 Rating, Deduct	*-453.64*	
		For Class 54 Rating, Add	*630.84*	
		For Class 55 Rating, Add	*944.13*	
		For Class 56 Rating, Add	*1,253.29*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,340.18	677.29
		For Class 52 Rating, Deduct	*-474.54*	
		For Class 54 Rating, Add	*659.41*	
		For Class 55 Rating, Add	*986.65*	
		For Class 56 Rating, Add	*1,309.57*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,536.87	681.75
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*687.98*	
		For Class 55 Rating, Add	*1,029.16*	
		For Class 56 Rating, Add	*1,365.84*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,733.57	686.20
		For Class 52 Rating, Deduct	*-516.32*	
		For Class 54 Rating, Add	*716.56*	
		For Class 55 Rating, Add	*1,071.68*	
		For Class 56 Rating, Add	*1,422.12*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,930.26	690.66
		For Class 52 Rating, Deduct	*-537.22*	
		For Class 54 Rating, Add	*745.13*	
		For Class 55 Rating, Add	*1,114.20*	
		For Class 56 Rating, Add	*1,478.39*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,126.94	695.12
		For Class 52 Rating, Deduct	*-558.11*	
		For Class 54 Rating, Add	*773.70*	
		For Class 55 Rating, Add	*1,156.72*	
		For Class 56 Rating, Add	*1,534.67*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,323.64	699.57
		For Class 52 Rating, Deduct	*-579.00*	
		For Class 54 Rating, Add	*802.27*	
		For Class 55 Rating, Add	*1,199.24*	
		For Class 56 Rating, Add	*1,590.94*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,520.33	704.03
		For Class 52 Rating, Deduct	*-599.90*	
		For Class 54 Rating, Add	*830.84*	
		For Class 55 Rating, Add	*1,241.76*	
		For Class 56 Rating, Add	*1,647.22*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,717.02	708.49
		For Class 52 Rating, Deduct	*-620.79*	
		For Class 54 Rating, Add	*859.42*	
		For Class 55 Rating, Add	*1,284.28*	
		For Class 56 Rating, Add	*1,703.49*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,913.71	712.94
		For Class 52 Rating, Deduct	*-641.69*	
		For Class 54 Rating, Add	*887.99*	
		For Class 55 Rating, Add	*1,326.80*	
		For Class 56 Rating, Add	*1,759.77*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,110.40	717.40
		For Class 52 Rating, Deduct	*-662.58*	
		For Class 54 Rating, Add	*916.56*	
		For Class 55 Rating, Add	*1,369.31*	
		For Class 56 Rating, Add	*1,816.05*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,307.10	721.85
		For Class 52 Rating, Deduct	*-683.47*	
		For Class 54 Rating, Add	*945.13*	
		For Class 55 Rating, Add	*1,411.83*	
		For Class 56 Rating, Add	*1,872.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,503.79	726.30
		For Class 52 Rating, Deduct	*-704.37*	
		For Class 54 Rating, Add	*973.71*	
		For Class 55 Rating, Add	*1,454.35*	
		For Class 56 Rating, Add	*1,928.60*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,700.49	730.76
		For Class 52 Rating, Deduct	*-725.26*	
		For Class 54 Rating, Add	*1,002.28*	
		For Class 55 Rating, Add	*1,496.87*	
		For Class 56 Rating, Add	*1,984.87*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,897.18	735.22
		For Class 52 Rating, Deduct	*-746.15*	
		For Class 54 Rating, Add	*1,030.85*	
		For Class 55 Rating, Add	*1,539.39*	
		For Class 56 Rating, Add	*2,041.15*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,093.87	739.67
		For Class 52 Rating, Deduct	*-767.05*	
		For Class 54 Rating, Add	*1,059.42*	
		For Class 55 Rating, Add	*1,581.91*	
		For Class 56 Rating, Add	*2,097.43*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,290.56	744.13
		For Class 52 Rating, Deduct	*-787.94*	
		For Class 54 Rating, Add	*1,087.99*	
		For Class 55 Rating, Add	*1,624.43*	
		For Class 56 Rating, Add	*2,153.70*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,487.25	748.59
		For Class 52 Rating, Deduct	*-808.83*	
		For Class 54 Rating, Add	*1,116.57*	
		For Class 55 Rating, Add	*1,666.95*	
		For Class 56 Rating, Add	*2,209.98*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,683.95	753.04
		For Class 52 Rating, Deduct	*-829.73*	
		For Class 54 Rating, Add	*1,145.14*	
		For Class 55 Rating, Add	*1,709.47*	
		For Class 56 Rating, Add	*2,266.25*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,880.63	757.50
		For Class 52 Rating, Deduct	*-850.62*	
		For Class 54 Rating, Add	*1,173.71*	
		For Class 55 Rating, Add	*1,751.98*	
		For Class 56 Rating, Add	*2,322.53*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,077.32	761.96
		For Class 52 Rating, Deduct	*-871.51*	
		For Class 54 Rating, Add	*1,202.28*	
		For Class 55 Rating, Add	*1,794.50*	
		For Class 56 Rating, Add	*2,378.80*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,274.02	766.41
		For Class 52 Rating, Deduct	*-892.41*	
		For Class 54 Rating, Add	*1,230.85*	
		For Class 55 Rating, Add	*1,837.02*	
		For Class 56 Rating, Add	*2,435.08*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,470.71	770.86
		For Class 52 Rating, Deduct	*-913.30*	
		For Class 54 Rating, Add	*1,259.43*	
		For Class 55 Rating, Add	*1,879.54*	
		For Class 56 Rating, Add	*2,491.35*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,667.40	775.32
		For Class 52 Rating, Deduct	*-934.19*	
		For Class 54 Rating, Add	*1,288.00*	
		For Class 55 Rating, Add	*1,922.06*	
		For Class 56 Rating, Add	*2,547.63*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,864.09	779.78
		For Class 52 Rating, Deduct	*-955.09*	
		For Class 54 Rating, Add	*1,316.57*	
		For Class 55 Rating, Add	*1,964.58*	
		For Class 56 Rating, Add	*2,603.90*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,060.78	784.23
		For Class 52 Rating, Deduct	*-975.98*	
		For Class 54 Rating, Add	*1,345.14*	
		For Class 55 Rating, Add	*2,007.10*	
		For Class 56 Rating, Add	*2,660.18*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,257.48	788.69
		For Class 52 Rating, Deduct	*-996.87*	
		For Class 54 Rating, Add	*1,373.71*	
		For Class 55 Rating, Add	*2,049.62*	
		For Class 56 Rating, Add	*2,716.45*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,454.16	793.15
		For Class 52 Rating, Deduct	*-1,017.77*	
		For Class 54 Rating, Add	*1,402.29*	
		For Class 55 Rating, Add	*2,092.13*	
		For Class 56 Rating, Add	*2,772.73*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,983.32	748.59
		For Class 52 Rating, Deduct	*-313.40*	
		For Class 54 Rating, Add	*440.98*	
		For Class 55 Rating, Add	*662.57*	
		For Class 56 Rating, Add	*881.32*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,221.65	753.04
		For Class 52 Rating, Deduct	*-338.87*	
		For Class 54 Rating, Add	*475.79*	
		For Class 55 Rating, Add	*714.37*	
		For Class 56 Rating, Add	*949.87*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,459.96	757.50
		For Class 52 Rating, Deduct	*-364.35*	
		For Class 54 Rating, Add	*510.61*	
		For Class 55 Rating, Add	*766.17*	
		For Class 56 Rating, Add	*1,018.43*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,698.29	761.96
		For Class 52 Rating, Deduct	*-389.82*	
		For Class 54 Rating, Add	*545.43*	
		For Class 55 Rating, Add	*817.98*	
		For Class 56 Rating, Add	*1,086.99*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,936.62	766.41
		For Class 52 Rating, Deduct	*-415.29*	
		For Class 54 Rating, Add	*580.24*	
		For Class 55 Rating, Add	*869.78*	
		For Class 56 Rating, Add	*1,155.54*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,174.94	770.86
		For Class 52 Rating, Deduct	*-440.77*	
		For Class 54 Rating, Add	*615.06*	
		For Class 55 Rating, Add	*921.58*	
		For Class 56 Rating, Add	*1,224.10*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,413.26	775.32
		For Class 52 Rating, Deduct	*-466.24*	
		For Class 54 Rating, Add	*649.88*	
		For Class 55 Rating, Add	*973.39*	
		For Class 56 Rating, Add	*1,292.66*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,651.58	779.78
		For Class 52 Rating, Deduct	*-491.71*	
		For Class 54 Rating, Add	*684.69*	
		For Class 55 Rating, Add	*1,025.19*	
		For Class 56 Rating, Add	*1,361.21*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,889.90	784.23
		For Class 52 Rating, Deduct	*-517.18*	
		For Class 54 Rating, Add	*719.51*	
		For Class 55 Rating, Add	*1,076.99*	
		For Class 56 Rating, Add	*1,429.77*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,128.23	788.69
		For Class 52 Rating, Deduct	*-542.66*	
		For Class 54 Rating, Add	*754.33*	
		For Class 55 Rating, Add	*1,128.79*	
		For Class 56 Rating, Add	*1,498.33*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,366.54	793.15
		For Class 52 Rating, Deduct	*-568.13*	
		For Class 54 Rating, Add	*789.14*	
		For Class 55 Rating, Add	*1,180.59*	
		For Class 56 Rating, Add	*1,566.88*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,604.87	797.60
		For Class 52 Rating, Deduct	*-593.60*	
		For Class 54 Rating, Add	*823.96*	
		For Class 55 Rating, Add	*1,232.40*	
		For Class 56 Rating, Add	*1,635.44*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,843.19	802.06
		For Class 52 Rating, Deduct	*-619.07*	
		For Class 54 Rating, Add	*858.78*	
		For Class 55 Rating, Add	*1,284.20*	
		For Class 56 Rating, Add	*1,703.99*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,081.51	806.52
		For Class 52 Rating, Deduct	*-644.55*	
		For Class 54 Rating, Add	*893.59*	
		For Class 55 Rating, Add	*1,336.00*	
		For Class 56 Rating, Add	*1,772.55*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,319.83	810.97
		For Class 52 Rating, Deduct	*-670.02*	
		For Class 54 Rating, Add	*928.41*	
		For Class 55 Rating, Add	*1,387.80*	
		For Class 56 Rating, Add	*1,841.11*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,558.16	815.42
		For Class 52 Rating, Deduct	*-695.49*	
		For Class 54 Rating, Add	*963.23*	
		For Class 55 Rating, Add	*1,439.61*	
		For Class 56 Rating, Add	*1,909.67*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,796.49	819.88
		For Class 52 Rating, Deduct	*-720.97*	
		For Class 54 Rating, Add	*998.04*	
		For Class 55 Rating, Add	*1,491.41*	
		For Class 56 Rating, Add	*1,978.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,034.80	824.33
		For Class 52 Rating, Deduct	*-746.44*	
		For Class 54 Rating, Add	*1,032.86*	
		For Class 55 Rating, Add	*1,543.21*	
		For Class 56 Rating, Add	*2,046.78*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,273.12	828.79
		For Class 52 Rating, Deduct	*-771.91*	
		For Class 54 Rating, Add	*1,067.68*	
		For Class 55 Rating, Add	*1,595.01*	
		For Class 56 Rating, Add	*2,115.33*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,511.45	833.25
		For Class 52 Rating, Deduct	*-797.38*	
		For Class 54 Rating, Add	*1,102.49*	
		For Class 55 Rating, Add	*1,646.82*	
		For Class 56 Rating, Add	*2,183.89*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,749.77	837.70
		For Class 52 Rating, Deduct	*-822.86*	
		For Class 54 Rating, Add	*1,137.31*	
		For Class 55 Rating, Add	*1,698.62*	
		For Class 56 Rating, Add	*2,252.45*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,988.09	842.16
		For Class 52 Rating, Deduct	*-848.33*	
		For Class 54 Rating, Add	*1,172.13*	
		For Class 55 Rating, Add	*1,750.42*	
		For Class 56 Rating, Add	*2,321.00*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,226.41	846.62
		For Class 52 Rating, Deduct	*-873.80*	
		For Class 54 Rating, Add	*1,206.94*	
		For Class 55 Rating, Add	*1,802.22*	
		For Class 56 Rating, Add	*2,389.56*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,464.73	851.08
		For Class 52 Rating, Deduct	*-899.28*	
		For Class 54 Rating, Add	*1,241.76*	
		For Class 55 Rating, Add	*1,854.02*	
		For Class 56 Rating, Add	*2,458.11*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,703.06	855.53
		For Class 52 Rating, Deduct	*-924.75*	
		For Class 54 Rating, Add	*1,276.58*	
		For Class 55 Rating, Add	*1,905.83*	
		For Class 56 Rating, Add	*2,526.67*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,941.37	859.98
		For Class 52 Rating, Deduct	*-950.22*	
		For Class 54 Rating, Add	*1,311.39*	
		For Class 55 Rating, Add	*1,957.63*	
		For Class 56 Rating, Add	*2,595.23*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,179.71	864.44
		For Class 52 Rating, Deduct	*-975.69*	
		For Class 54 Rating, Add	*1,346.21*	
		For Class 55 Rating, Add	*2,009.43*	
		For Class 56 Rating, Add	*2,663.79*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,418.03	868.89
		For Class 52 Rating, Deduct	*-1,001.17*	
		For Class 54 Rating, Add	*1,381.03*	
		For Class 55 Rating, Add	*2,061.24*	
		For Class 56 Rating, Add	*2,732.34*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,656.35	873.35
		For Class 52 Rating, Deduct	*-1,026.64*	
		For Class 54 Rating, Add	*1,415.84*	
		For Class 55 Rating, Add	*2,113.04*	
		For Class 56 Rating, Add	*2,800.90*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,894.67	877.81
		For Class 52 Rating, Deduct	*-1,052.11*	
		For Class 54 Rating, Add	*1,450.66*	
		For Class 55 Rating, Add	*2,164.84*	
		For Class 56 Rating, Add	*2,869.46*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,132.99	882.26
		For Class 52 Rating, Deduct	*-1,077.59*	
		For Class 54 Rating, Add	*1,485.48*	
		For Class 55 Rating, Add	*2,216.64*	
		For Class 56 Rating, Add	*2,938.01*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,371.32	886.72
		For Class 52 Rating, Deduct	*-1,103.06*	
		For Class 54 Rating, Add	*1,520.29*	
		For Class 55 Rating, Add	*2,268.44*	
		For Class 56 Rating, Add	*3,006.57*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,609.63	891.18
		For Class 52 Rating, Deduct	*-1,128.53*	
		For Class 54 Rating, Add	*1,555.11*	
		For Class 55 Rating, Add	*2,320.25*	
		For Class 56 Rating, Add	*3,075.12*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,847.95	895.63
		For Class 52 Rating, Deduct	*-1,154.00*	
		For Class 54 Rating, Add	*1,589.93*	
		For Class 55 Rating, Add	*2,372.05*	
		For Class 56 Rating, Add	*3,143.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,086.28	900.09
		For Class 52 Rating, Deduct	*-1,179.48*	
		For Class 54 Rating, Add	*1,624.74*	
		For Class 55 Rating, Add	*2,423.85*	
		For Class 56 Rating, Add	*3,212.24*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,324.60	904.55
		For Class 52 Rating, Deduct	*-1,204.95*	
		For Class 54 Rating, Add	*1,659.56*	
		For Class 55 Rating, Add	*2,475.65*	
		For Class 56 Rating, Add	*3,280.79*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,562.92	908.99
		For Class 52 Rating, Deduct	*-1,230.42*	
		For Class 54 Rating, Add	*1,694.37*	
		For Class 55 Rating, Add	*2,527.45*	
		For Class 56 Rating, Add	*3,349.35*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,801.24	913.45
		For Class 52 Rating, Deduct	*-1,255.89*	
		For Class 54 Rating, Add	*1,729.19*	
		For Class 55 Rating, Add	*2,579.26*	
		For Class 56 Rating, Add	*3,417.90*	
40 05 19 00-0242		16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,673.55	855.53
		For Class 52 Rating, Deduct	*-371.50*	
		For Class 54 Rating, Add	*522.15*	
		For Class 55 Rating, Add	*784.25*	
		For Class 56 Rating, Add	*1,042.97*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,950.89	859.98
		For Class 52 Rating, Deduct	*-401.27*	
		For Class 54 Rating, Add	*562.82*	
		For Class 55 Rating, Add	*844.75*	
		For Class 56 Rating, Add	*1,123.04*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,228.25	864.44
		For Class 52 Rating, Deduct	*-431.03*	
		For Class 54 Rating, Add	*603.49*	
		For Class 55 Rating, Add	*905.26*	
		For Class 56 Rating, Add	*1,203.11*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,505.60	868.89
		For Class 52 Rating, Deduct	*-460.80*	
		For Class 54 Rating, Add	*644.16*	
		For Class 55 Rating, Add	*965.76*	
		For Class 56 Rating, Add	*1,283.18*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,782.95	873.35
		For Class 52 Rating, Deduct	*-490.57*	
		For Class 54 Rating, Add	*684.83*	
		For Class 55 Rating, Add	*1,026.27*	
		For Class 56 Rating, Add	*1,363.25*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,060.30	877.81
		For Class 52 Rating, Deduct	*-520.33*	
		For Class 54 Rating, Add	*725.50*	
		For Class 55 Rating, Add	*1,086.77*	
		For Class 56 Rating, Add	*1,443.32*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,337.65	882.26
		For Class 52 Rating, Deduct	*-550.10*	
		For Class 54 Rating, Add	*766.17*	
		For Class 55 Rating, Add	*1,147.28*	
		For Class 56 Rating, Add	*1,523.39*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,615.01	886.72
		For Class 52 Rating, Deduct	*-579.86*	
		For Class 54 Rating, Add	*806.85*	
		For Class 55 Rating, Add	*1,207.79*	
		For Class 56 Rating, Add	*1,603.46*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,892.35	891.18
		For Class 52 Rating, Deduct	*-609.63*	
		For Class 54 Rating, Add	*847.52*	
		For Class 55 Rating, Add	*1,268.29*	
		For Class 56 Rating, Add	*1,683.53*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,169.70	895.63
		For Class 52 Rating, Deduct	*-639.40*	
		For Class 54 Rating, Add	*888.19*	
		For Class 55 Rating, Add	*1,328.80*	
		For Class 56 Rating, Add	*1,763.60*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,447.06	900.09
		For Class 52 Rating, Deduct	*-669.16*	
		For Class 54 Rating, Add	*928.86*	
		For Class 55 Rating, Add	*1,389.30*	
		For Class 56 Rating, Add	*1,843.67*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,724.41	904.55
		For Class 52 Rating, Deduct	*-698.93*	
		For Class 54 Rating, Add	*969.53*	
		For Class 55 Rating, Add	*1,449.81*	
		For Class 56 Rating, Add	*1,923.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,001.76	908.99
		For Class 52 Rating, Deduct	*-728.69*	
		For Class 54 Rating, Add	*1,010.20*	
		For Class 55 Rating, Add	*1,510.32*	
		For Class 56 Rating, Add	*2,003.81*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,279.11	913.45
		For Class 52 Rating, Deduct	*-758.46*	
		For Class 54 Rating, Add	*1,050.87*	
		For Class 55 Rating, Add	*1,570.82*	
		For Class 56 Rating, Add	*2,083.88*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,556.46	917.91
		For Class 52 Rating, Deduct	*-788.23*	
		For Class 54 Rating, Add	*1,091.54*	
		For Class 55 Rating, Add	*1,631.33*	
		For Class 56 Rating, Add	*2,163.95*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,833.82	922.36
		For Class 52 Rating, Deduct	*-817.99*	
		For Class 54 Rating, Add	*1,132.21*	
		For Class 55 Rating, Add	*1,691.83*	
		For Class 56 Rating, Add	*2,244.02*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,111.16	926.82
		For Class 52 Rating, Deduct	*-847.76*	
		For Class 54 Rating, Add	*1,172.88*	
		For Class 55 Rating, Add	*1,752.34*	
		For Class 56 Rating, Add	*2,324.09*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,388.52	931.28
		For Class 52 Rating, Deduct	*-877.52*	
		For Class 54 Rating, Add	*1,213.56*	
		For Class 55 Rating, Add	*1,812.84*	
		For Class 56 Rating, Add	*2,404.16*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,665.87	935.73
		For Class 52 Rating, Deduct	*-907.29*	
		For Class 54 Rating, Add	*1,254.23*	
		For Class 55 Rating, Add	*1,873.35*	
		For Class 56 Rating, Add	*2,484.23*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,943.21	940.19
		For Class 52 Rating, Deduct	*-937.06*	
		For Class 54 Rating, Add	*1,294.90*	
		For Class 55 Rating, Add	*1,933.86*	
		For Class 56 Rating, Add	*2,564.30*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,220.57	944.65
		For Class 52 Rating, Deduct	*-966.82*	
		For Class 54 Rating, Add	*1,335.57*	
		For Class 55 Rating, Add	*1,994.36*	
		For Class 56 Rating, Add	*2,644.37*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,497.92	949.11
		For Class 52 Rating, Deduct	*-996.59*	
		For Class 54 Rating, Add	*1,376.24*	
		For Class 55 Rating, Add	*2,054.87*	
		For Class 56 Rating, Add	*2,724.44*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,775.28	953.55
		For Class 52 Rating, Deduct	*-1,026.35*	
		For Class 54 Rating, Add	*1,416.91*	
		For Class 55 Rating, Add	*2,115.37*	
		For Class 56 Rating, Add	*2,804.51*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,052.61	958.01
		For Class 52 Rating, Deduct	*-1,056.12*	
		For Class 54 Rating, Add	*1,457.58*	
		For Class 55 Rating, Add	*2,175.88*	
		For Class 56 Rating, Add	*2,884.57*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,329.96	962.47
		For Class 52 Rating, Deduct	*-1,085.88*	
		For Class 54 Rating, Add	*1,498.25*	
		For Class 55 Rating, Add	*2,236.38*	
		For Class 56 Rating, Add	*2,964.64*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,607.32	966.92
		For Class 52 Rating, Deduct	*-1,115.65*	
		For Class 54 Rating, Add	*1,538.92*	
		For Class 55 Rating, Add	*2,296.89*	
		For Class 56 Rating, Add	*3,044.71*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,884.67	971.38
		For Class 52 Rating, Deduct	*-1,145.42*	
		For Class 54 Rating, Add	*1,579.59*	
		For Class 55 Rating, Add	*2,357.40*	
		For Class 56 Rating, Add	*3,124.78*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,162.02	975.84
		For Class 52 Rating, Deduct	*-1,175.18*	
		For Class 54 Rating, Add	*1,620.26*	
		For Class 55 Rating, Add	*2,417.90*	
		For Class 56 Rating, Add	*3,204.85*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,439.37	980.29
		For Class 52 Rating, Deduct	*-1,204.95*	
		For Class 54 Rating, Add	*1,660.94*	
		For Class 55 Rating, Add	*2,478.41*	
		For Class 56 Rating, Add	*3,284.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,716.72	984.75
		For Class 52 Rating, Deduct	*-1,234.71*	
		For Class 54 Rating, Add	*1,701.61*	
		For Class 55 Rating, Add	*2,538.91*	
		For Class 56 Rating, Add	*3,364.99*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,994.08	989.21
		For Class 52 Rating, Deduct	*-1,264.48*	
		For Class 54 Rating, Add	*1,742.28*	
		For Class 55 Rating, Add	*2,599.42*	
		For Class 56 Rating, Add	*3,445.06*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,271.42	993.66
		For Class 52 Rating, Deduct	*-1,294.25*	
		For Class 54 Rating, Add	*1,782.95*	
		For Class 55 Rating, Add	*2,659.92*	
		For Class 56 Rating, Add	*3,525.13*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,548.78	998.11
		For Class 52 Rating, Deduct	*-1,324.01*	
		For Class 54 Rating, Add	*1,823.62*	
		For Class 55 Rating, Add	*2,720.43*	
		For Class 56 Rating, Add	*3,605.20*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,826.13	1,002.57
		For Class 52 Rating, Deduct	*-1,353.78*	
		For Class 54 Rating, Add	*1,864.29*	
		For Class 55 Rating, Add	*2,780.94*	
		For Class 56 Rating, Add	*3,685.27*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,103.47	1,007.02
		For Class 52 Rating, Deduct	*-1,383.54*	
		For Class 54 Rating, Add	*1,904.96*	
		For Class 55 Rating, Add	*2,841.44*	
		For Class 56 Rating, Add	*3,765.34*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,380.83	1,011.48
		For Class 52 Rating, Deduct	*-1,413.31*	
		For Class 54 Rating, Add	*1,945.63*	
		For Class 55 Rating, Add	*2,901.95*	
		For Class 56 Rating, Add	*3,845.41*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,658.18	1,015.94
		For Class 52 Rating, Deduct	*-1,443.08*	
		For Class 54 Rating, Add	*1,986.30*	
		For Class 55 Rating, Add	*2,962.45*	
		For Class 56 Rating, Add	*3,925.48*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,935.54	1,020.39
		For Class 52 Rating, Deduct	*-1,472.84*	
		For Class 54 Rating, Add	*2,026.97*	
		For Class 55 Rating, Add	*3,022.96*	
		For Class 56 Rating, Add	*4,005.55*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,441.92	964.25
		For Class 52 Rating, Deduct	*-437.90*	
		For Class 54 Rating, Add	*614.67*	
		For Class 55 Rating, Add	*922.81*	
		For Class 56 Rating, Add	*1,226.97*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,760.91	968.71
		For Class 52 Rating, Deduct	*-472.25*	
		For Class 54 Rating, Add	*661.59*	
		For Class 55 Rating, Add	*992.60*	
		For Class 56 Rating, Add	*1,319.32*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,079.89	973.17
		For Class 52 Rating, Deduct	*-506.59*	
		For Class 54 Rating, Add	*708.50*	
		For Class 55 Rating, Add	*1,062.39*	
		For Class 56 Rating, Add	*1,411.67*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,398.87	977.62
		For Class 52 Rating, Deduct	*-540.94*	
		For Class 54 Rating, Add	*755.42*	
		For Class 55 Rating, Add	*1,132.18*	
		For Class 56 Rating, Add	*1,504.03*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,717.85	982.07
		For Class 52 Rating, Deduct	*-575.28*	
		For Class 54 Rating, Add	*802.33*	
		For Class 55 Rating, Add	*1,201.97*	
		For Class 56 Rating, Add	*1,596.38*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,036.83	986.53
		For Class 52 Rating, Deduct	*-609.63*	
		For Class 54 Rating, Add	*849.25*	
		For Class 55 Rating, Add	*1,271.76*	
		For Class 56 Rating, Add	*1,688.73*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,355.82	990.98
		For Class 52 Rating, Deduct	*-643.98*	
		For Class 54 Rating, Add	*896.17*	
		For Class 55 Rating, Add	*1,341.55*	
		For Class 56 Rating, Add	*1,781.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,674.80	995.44
		For Class 52 Rating, Deduct	*-678.32*	
		For Class 54 Rating, Add	*943.08*	
		For Class 55 Rating, Add	*1,411.34*	
		For Class 56 Rating, Add	*1,873.43*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,993.77	999.90
		For Class 52 Rating, Deduct	*-712.67*	
		For Class 54 Rating, Add	*990.00*	
		For Class 55 Rating, Add	*1,481.13*	
		For Class 56 Rating, Add	*1,965.78*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,312.76	1,004.35
		For Class 52 Rating, Deduct	*-747.01*	
		For Class 54 Rating, Add	*1,036.91*	
		For Class 55 Rating, Add	*1,550.92*	
		For Class 56 Rating, Add	*2,058.13*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,631.74	1,008.81
		For Class 52 Rating, Deduct	*-781.36*	
		For Class 54 Rating, Add	*1,083.83*	
		For Class 55 Rating, Add	*1,620.71*	
		For Class 56 Rating, Add	*2,150.48*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,950.73	1,013.27
		For Class 52 Rating, Deduct	*-815.70*	
		For Class 54 Rating, Add	*1,130.74*	
		For Class 55 Rating, Add	*1,690.50*	
		For Class 56 Rating, Add	*2,242.83*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,269.70	1,017.72
		For Class 52 Rating, Deduct	*-850.05*	
		For Class 54 Rating, Add	*1,177.66*	
		For Class 55 Rating, Add	*1,760.29*	
		For Class 56 Rating, Add	*2,335.18*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,588.68	1,022.18
		For Class 52 Rating, Deduct	*-884.39*	
		For Class 54 Rating, Add	*1,224.57*	
		For Class 55 Rating, Add	*1,830.07*	
		For Class 56 Rating, Add	*2,427.53*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,907.67	1,026.63
		For Class 52 Rating, Deduct	*-918.74*	
		For Class 54 Rating, Add	*1,271.49*	
		For Class 55 Rating, Add	*1,899.86*	
		For Class 56 Rating, Add	*2,519.89*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,226.64	1,031.09
		For Class 52 Rating, Deduct	*-953.08*	
		For Class 54 Rating, Add	*1,318.41*	
		For Class 55 Rating, Add	*1,969.65*	
		For Class 56 Rating, Add	*2,612.24*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,545.63	1,035.54
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,365.32*	
		For Class 55 Rating, Add	*2,039.44*	
		For Class 56 Rating, Add	*2,704.59*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,864.61	1,040.00
		For Class 52 Rating, Deduct	*-1,021.77*	
		For Class 54 Rating, Add	*1,412.24*	
		For Class 55 Rating, Add	*2,109.23*	
		For Class 56 Rating, Add	*2,796.94*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,183.59	1,044.46
		For Class 52 Rating, Deduct	*-1,056.12*	
		For Class 54 Rating, Add	*1,459.15*	
		For Class 55 Rating, Add	*2,179.02*	
		For Class 56 Rating, Add	*2,889.29*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,502.58	1,048.91
		For Class 52 Rating, Deduct	*-1,090.47*	
		For Class 54 Rating, Add	*1,506.07*	
		For Class 55 Rating, Add	*2,248.81*	
		For Class 56 Rating, Add	*2,981.64*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,821.56	1,053.37
		For Class 52 Rating, Deduct	*-1,124.81*	
		For Class 54 Rating, Add	*1,552.98*	
		For Class 55 Rating, Add	*2,318.60*	
		For Class 56 Rating, Add	*3,073.99*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,140.55	1,057.83
		For Class 52 Rating, Deduct	*-1,159.16*	
		For Class 54 Rating, Add	*1,599.90*	
		For Class 55 Rating, Add	*2,388.39*	
		For Class 56 Rating, Add	*3,166.34*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,459.53	1,062.28
		For Class 52 Rating, Deduct	*-1,193.50*	
		For Class 54 Rating, Add	*1,646.82*	
		For Class 55 Rating, Add	*2,458.18*	
		For Class 56 Rating, Add	*3,258.70*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,778.50	1,066.74
		For Class 52 Rating, Deduct	*-1,227.85*	
		For Class 54 Rating, Add	*1,693.73*	
		For Class 55 Rating, Add	*2,527.97*	
		For Class 56 Rating, Add	*3,351.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,097.49	1,071.20
		For Class 52 Rating, Deduct	*-1,262.19*	
		For Class 54 Rating, Add	*1,740.65*	
		For Class 55 Rating, Add	*2,597.76*	
		For Class 56 Rating, Add	*3,443.40*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,416.47	1,075.64
		For Class 52 Rating, Deduct	*-1,296.54*	
		For Class 54 Rating, Add	*1,787.56*	
		For Class 55 Rating, Add	*2,667.55*	
		For Class 56 Rating, Add	*3,535.75*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,735.46	1,080.10
		For Class 52 Rating, Deduct	*-1,330.88*	
		For Class 54 Rating, Add	*1,834.48*	
		For Class 55 Rating, Add	*2,737.34*	
		For Class 56 Rating, Add	*3,628.10*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,054.43	1,084.56
		For Class 52 Rating, Deduct	*-1,365.23*	
		For Class 54 Rating, Add	*1,881.39*	
		For Class 55 Rating, Add	*2,807.13*	
		For Class 56 Rating, Add	*3,720.45*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,373.41	1,089.01
		For Class 52 Rating, Deduct	*-1,399.57*	
		For Class 54 Rating, Add	*1,928.31*	
		For Class 55 Rating, Add	*2,876.92*	
		For Class 56 Rating, Add	*3,812.80*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,692.40	1,093.47
		For Class 52 Rating, Deduct	*-1,433.92*	
		For Class 54 Rating, Add	*1,975.22*	
		For Class 55 Rating, Add	*2,946.71*	
		For Class 56 Rating, Add	*3,905.15*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,011.37	1,097.93
		For Class 52 Rating, Deduct	*-1,468.26*	
		For Class 54 Rating, Add	*2,022.14*	
		For Class 55 Rating, Add	*3,016.50*	
		For Class 56 Rating, Add	*3,997.50*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,330.36	1,102.38
		For Class 52 Rating, Deduct	*-1,502.61*	
		For Class 54 Rating, Add	*2,069.06*	
		For Class 55 Rating, Add	*3,086.28*	
		For Class 56 Rating, Add	*4,089.85*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,649.34	1,106.84
		For Class 52 Rating, Deduct	*-1,536.95*	
		For Class 54 Rating, Add	*2,115.97*	
		For Class 55 Rating, Add	*3,156.07*	
		For Class 56 Rating, Add	*4,182.20*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,968.32	1,111.30
		For Class 52 Rating, Deduct	*-1,571.30*	
		For Class 54 Rating, Add	*2,162.89*	
		For Class 55 Rating, Add	*3,225.86*	
		For Class 56 Rating, Add	*4,274.56*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,287.30	1,115.75
		For Class 52 Rating, Deduct	*-1,605.64*	
		For Class 54 Rating, Add	*2,209.80*	
		For Class 55 Rating, Add	*3,295.65*	
		For Class 56 Rating, Add	*4,366.91*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,606.28	1,120.20
		For Class 52 Rating, Deduct	*-1,639.99*	
		For Class 54 Rating, Add	*2,256.72*	
		For Class 55 Rating, Add	*3,365.44*	
		For Class 56 Rating, Add	*4,459.26*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,925.27	1,124.66
		For Class 52 Rating, Deduct	*-1,674.34*	
		For Class 54 Rating, Add	*2,303.63*	
		For Class 55 Rating, Add	*3,435.23*	
		For Class 56 Rating, Add	*4,551.61*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,244.25	1,129.12
		For Class 52 Rating, Deduct	*-1,708.68*	
		For Class 54 Rating, Add	*2,350.55*	
		For Class 55 Rating, Add	*3,505.02*	
		For Class 56 Rating, Add	*4,643.96*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,374.45	1,100.60
		For Class 52 Rating, Deduct	*-517.76*	
		For Class 54 Rating, Add	*726.04*	
		For Class 55 Rating, Add	*1,089.65*	
		For Class 56 Rating, Add	*1,448.56*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,740.27	1,105.05
		For Class 52 Rating, Deduct	*-557.25*	
		For Class 54 Rating, Add	*779.98*	
		For Class 55 Rating, Add	*1,169.89*	
		For Class 56 Rating, Add	*1,554.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,106.08	1,109.51
		For Class 52 Rating, Deduct	*-596.75*	
		For Class 54 Rating, Add	*833.92*	
		For Class 55 Rating, Add	*1,250.12*	
		For Class 56 Rating, Add	*1,660.89*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,471.90	1,113.97
		For Class 52 Rating, Deduct	*-636.25*	
		For Class 54 Rating, Add	*887.86*	
		For Class 55 Rating, Add	*1,330.36*	
		For Class 56 Rating, Add	*1,767.06*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,837.71	1,118.43
		For Class 52 Rating, Deduct	*-675.74*	
		For Class 54 Rating, Add	*941.80*	
		For Class 55 Rating, Add	*1,410.59*	
		For Class 56 Rating, Add	*1,873.23*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,203.54	1,122.88
		For Class 52 Rating, Deduct	*-715.24*	
		For Class 54 Rating, Add	*995.75*	
		For Class 55 Rating, Add	*1,490.82*	
		For Class 56 Rating, Add	*1,979.40*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,569.34	1,127.34
		For Class 52 Rating, Deduct	*-754.74*	
		For Class 54 Rating, Add	*1,049.69*	
		For Class 55 Rating, Add	*1,571.05*	
		For Class 56 Rating, Add	*2,085.56*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,935.17	1,131.80
		For Class 52 Rating, Deduct	*-794.24*	
		For Class 54 Rating, Add	*1,103.63*	
		For Class 55 Rating, Add	*1,651.29*	
		For Class 56 Rating, Add	*2,191.73*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,300.98	1,136.25
		For Class 52 Rating, Deduct	*-833.73*	
		For Class 54 Rating, Add	*1,157.57*	
		For Class 55 Rating, Add	*1,731.52*	
		For Class 56 Rating, Add	*2,297.90*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,666.79	1,140.70
		For Class 52 Rating, Deduct	*-873.23*	
		For Class 54 Rating, Add	*1,211.51*	
		For Class 55 Rating, Add	*1,811.76*	
		For Class 56 Rating, Add	*2,404.07*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,032.61	1,145.16
		For Class 52 Rating, Deduct	*-912.73*	
		For Class 54 Rating, Add	*1,265.45*	
		For Class 55 Rating, Add	*1,891.99*	
		For Class 56 Rating, Add	*2,510.23*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,398.43	1,149.61
		For Class 52 Rating, Deduct	*-952.22*	
		For Class 54 Rating, Add	*1,319.39*	
		For Class 55 Rating, Add	*1,972.22*	
		For Class 56 Rating, Add	*2,616.40*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,764.25	1,154.07
		For Class 52 Rating, Deduct	*-991.72*	
		For Class 54 Rating, Add	*1,373.33*	
		For Class 55 Rating, Add	*2,052.46*	
		For Class 56 Rating, Add	*2,722.57*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,130.06	1,158.53
		For Class 52 Rating, Deduct	*-1,031.22*	
		For Class 54 Rating, Add	*1,427.27*	
		For Class 55 Rating, Add	*2,132.69*	
		For Class 56 Rating, Add	*2,828.73*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,495.87	1,162.98
		For Class 52 Rating, Deduct	*-1,070.72*	
		For Class 54 Rating, Add	*1,481.21*	
		For Class 55 Rating, Add	*2,212.92*	
		For Class 56 Rating, Add	*2,934.90*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,861.70	1,167.44
		For Class 52 Rating, Deduct	*-1,110.21*	
		For Class 54 Rating, Add	*1,535.15*	
		For Class 55 Rating, Add	*2,293.16*	
		For Class 56 Rating, Add	*3,041.07*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,227.51	1,171.90
		For Class 52 Rating, Deduct	*-1,149.71*	
		For Class 54 Rating, Add	*1,589.09*	
		For Class 55 Rating, Add	*2,373.39*	
		For Class 56 Rating, Add	*3,147.24*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,593.33	1,176.35
		For Class 52 Rating, Deduct	*-1,189.21*	
		For Class 54 Rating, Add	*1,643.04*	
		For Class 55 Rating, Add	*2,453.62*	
		For Class 56 Rating, Add	*3,253.40*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,959.14	1,180.81
		For Class 52 Rating, Deduct	*-1,228.70*	
		For Class 54 Rating, Add	*1,696.98*	
		For Class 55 Rating, Add	*2,533.86*	
		For Class 56 Rating, Add	*3,359.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,324.96	1,185.26
		For Class 52 Rating, Deduct	*-1,268.20*	
		For Class 54 Rating, Add	*1,750.92*	
		For Class 55 Rating, Add	*2,614.09*	
		For Class 56 Rating, Add	*3,465.74*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,690.78	1,189.71
		For Class 52 Rating, Deduct	*-1,307.70*	
		For Class 54 Rating, Add	*1,804.86*	
		For Class 55 Rating, Add	*2,694.32*	
		For Class 56 Rating, Add	*3,571.90*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,056.59	1,194.17
		For Class 52 Rating, Deduct	*-1,347.20*	
		For Class 54 Rating, Add	*1,858.80*	
		For Class 55 Rating, Add	*2,774.56*	
		For Class 56 Rating, Add	*3,678.07*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,422.41	1,198.63
		For Class 52 Rating, Deduct	*-1,386.69*	
		For Class 54 Rating, Add	*1,912.74*	
		For Class 55 Rating, Add	*2,854.79*	
		For Class 56 Rating, Add	*3,784.24*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,788.23	1,203.08
		For Class 52 Rating, Deduct	*-1,426.19*	
		For Class 54 Rating, Add	*1,966.68*	
		For Class 55 Rating, Add	*2,935.03*	
		For Class 56 Rating, Add	*3,890.41*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,154.03	1,207.54
		For Class 52 Rating, Deduct	*-1,465.69*	
		For Class 54 Rating, Add	*2,020.62*	
		For Class 55 Rating, Add	*3,015.26*	
		For Class 56 Rating, Add	*3,996.57*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,519.86	1,212.00
		For Class 52 Rating, Deduct	*-1,505.19*	
		For Class 54 Rating, Add	*2,074.56*	
		For Class 55 Rating, Add	*3,095.49*	
		For Class 56 Rating, Add	*4,102.74*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,885.67	1,216.46
		For Class 52 Rating, Deduct	*-1,544.68*	
		For Class 54 Rating, Add	*2,128.50*	
		For Class 55 Rating, Add	*3,175.73*	
		For Class 56 Rating, Add	*4,208.91*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,251.50	1,220.91
		For Class 52 Rating, Deduct	*-1,584.18*	
		For Class 54 Rating, Add	*2,182.44*	
		For Class 55 Rating, Add	*3,255.96*	
		For Class 56 Rating, Add	*4,315.08*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,617.30	1,225.37
		For Class 52 Rating, Deduct	*-1,623.68*	
		For Class 54 Rating, Add	*2,236.38*	
		For Class 55 Rating, Add	*3,336.19*	
		For Class 56 Rating, Add	*4,421.24*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,983.12	1,229.83
		For Class 52 Rating, Deduct	*-1,663.17*	
		For Class 54 Rating, Add	*2,290.32*	
		For Class 55 Rating, Add	*3,416.43*	
		For Class 56 Rating, Add	*4,527.41*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,348.94	1,234.27
		For Class 52 Rating, Deduct	*-1,702.67*	
		For Class 54 Rating, Add	*2,344.26*	
		For Class 55 Rating, Add	*3,496.66*	
		For Class 56 Rating, Add	*4,633.58*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,714.76	1,238.73
		For Class 52 Rating, Deduct	*-1,742.17*	
		For Class 54 Rating, Add	*2,398.21*	
		For Class 55 Rating, Add	*3,576.89*	
		For Class 56 Rating, Add	*4,739.74*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,080.57	1,243.19
		For Class 52 Rating, Deduct	*-1,781.66*	
		For Class 54 Rating, Add	*2,452.15*	
		For Class 55 Rating, Add	*3,657.13*	
		For Class 56 Rating, Add	*4,845.91*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,446.39	1,247.64
		For Class 52 Rating, Deduct	*-1,821.16*	
		For Class 54 Rating, Add	*2,506.09*	
		For Class 55 Rating, Add	*3,737.36*	
		For Class 56 Rating, Add	*4,952.08*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,812.20	1,252.10
		For Class 52 Rating, Deduct	*-1,860.66*	
		For Class 54 Rating, Add	*2,560.03*	
		For Class 55 Rating, Add	*3,817.59*	
		For Class 56 Rating, Add	*5,058.24*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,178.02	1,256.56
		For Class 52 Rating, Deduct	*-1,900.16*	
		For Class 54 Rating, Add	*2,613.97*	
		For Class 55 Rating, Add	*3,897.83*	
		For Class 56 Rating, Add	*5,164.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,543.83	1,261.01
		For Class 52 Rating, Deduct	*-1,939.65*	
		For Class 54 Rating, Add	*2,667.91*	
		For Class 55 Rating, Add	*3,978.06*	
		For Class 56 Rating, Add	*5,270.58*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,909.66	1,265.47
		For Class 52 Rating, Deduct	*-1,979.15*	
		For Class 54 Rating, Add	*2,721.85*	
		For Class 55 Rating, Add	*4,058.30*	
		For Class 56 Rating, Add	*5,376.75*	
40 05 19 00-0359		24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,846.53	1,301.12
		For Class 52 Rating, Deduct	*-646.27*	
		For Class 54 Rating, Add	*904.93*	
		For Class 55 Rating, Add	*1,357.47*	
		For Class 56 Rating, Add	*1,804.14*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,298.20	1,305.57
		For Class 52 Rating, Deduct	*-695.21*	
		For Class 54 Rating, Add	*971.75*	
		For Class 55 Rating, Add	*1,456.85*	
		For Class 56 Rating, Add	*1,935.63*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,749.88	1,310.03
		For Class 52 Rating, Deduct	*-744.15*	
		For Class 54 Rating, Add	*1,038.57*	
		For Class 55 Rating, Add	*1,556.23*	
		For Class 56 Rating, Add	*2,067.13*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,201.56	1,314.49
		For Class 52 Rating, Deduct	*-793.09*	
		For Class 54 Rating, Add	*1,105.39*	
		For Class 55 Rating, Add	*1,655.61*	
		For Class 56 Rating, Add	*2,198.63*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,653.24	1,318.94
		For Class 52 Rating, Deduct	*-842.03*	
		For Class 54 Rating, Add	*1,172.21*	
		For Class 55 Rating, Add	*1,754.99*	
		For Class 56 Rating, Add	*2,330.12*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,104.92	1,323.39
		For Class 52 Rating, Deduct	*-890.98*	
		For Class 54 Rating, Add	*1,239.03*	
		For Class 55 Rating, Add	*1,854.37*	
		For Class 56 Rating, Add	*2,461.62*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,556.60	1,327.85
		For Class 52 Rating, Deduct	*-939.92*	
		For Class 54 Rating, Add	*1,305.85*	
		For Class 55 Rating, Add	*1,953.76*	
		For Class 56 Rating, Add	*2,593.12*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,008.28	1,332.30
		For Class 52 Rating, Deduct	*-988.86*	
		For Class 54 Rating, Add	*1,372.67*	
		For Class 55 Rating, Add	*2,053.14*	
		For Class 56 Rating, Add	*2,724.61*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,459.96	1,336.76
		For Class 52 Rating, Deduct	*-1,037.80*	
		For Class 54 Rating, Add	*1,439.49*	
		For Class 55 Rating, Add	*2,152.52*	
		For Class 56 Rating, Add	*2,856.11*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,911.63	1,341.22
		For Class 52 Rating, Deduct	*-1,086.74*	
		For Class 54 Rating, Add	*1,506.31*	
		For Class 55 Rating, Add	*2,251.90*	
		For Class 56 Rating, Add	*2,987.61*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,363.32	1,345.67
		For Class 52 Rating, Deduct	*-1,135.69*	
		For Class 54 Rating, Add	*1,573.13*	
		For Class 55 Rating, Add	*2,351.28*	
		For Class 56 Rating, Add	*3,119.10*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,815.00	1,350.13
		For Class 52 Rating, Deduct	*-1,184.63*	
		For Class 54 Rating, Add	*1,639.95*	
		For Class 55 Rating, Add	*2,450.66*	
		For Class 56 Rating, Add	*3,250.60*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,266.69	1,354.59
		For Class 52 Rating, Deduct	*-1,233.57*	
		For Class 54 Rating, Add	*1,706.77*	
		For Class 55 Rating, Add	*2,550.04*	
		For Class 56 Rating, Add	*3,382.10*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,718.35	1,359.04
		For Class 52 Rating, Deduct	*-1,282.51*	
		For Class 54 Rating, Add	*1,773.59*	
		For Class 55 Rating, Add	*2,649.42*	
		For Class 56 Rating, Add	*3,513.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,170.03	1,363.50
		For Class 52 Rating, Deduct	*-1,331.45*	
		For Class 54 Rating, Add	*1,840.41*	
		For Class 55 Rating, Add	*2,748.80*	
		For Class 56 Rating, Add	*3,645.09*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,621.72	1,367.96
		For Class 52 Rating, Deduct	*-1,380.40*	
		For Class 54 Rating, Add	*1,907.23*	
		For Class 55 Rating, Add	*2,848.18*	
		For Class 56 Rating, Add	*3,776.59*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,073.40	1,372.40
		For Class 52 Rating, Deduct	*-1,429.34*	
		For Class 54 Rating, Add	*1,974.05*	
		For Class 55 Rating, Add	*2,947.57*	
		For Class 56 Rating, Add	*3,908.09*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,525.08	1,376.86
		For Class 52 Rating, Deduct	*-1,478.28*	
		For Class 54 Rating, Add	*2,040.87*	
		For Class 55 Rating, Add	*3,046.95*	
		For Class 56 Rating, Add	*4,039.58*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,976.76	1,381.32
		For Class 52 Rating, Deduct	*-1,527.22*	
		For Class 54 Rating, Add	*2,107.69*	
		For Class 55 Rating, Add	*3,146.33*	
		For Class 56 Rating, Add	*4,171.08*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,428.43	1,385.77
		For Class 52 Rating, Deduct	*-1,576.16*	
		For Class 54 Rating, Add	*2,174.51*	
		For Class 55 Rating, Add	*3,245.71*	
		For Class 56 Rating, Add	*4,302.57*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,880.11	1,390.23
		For Class 52 Rating, Deduct	*-1,625.11*	
		For Class 54 Rating, Add	*2,241.33*	
		For Class 55 Rating, Add	*3,345.09*	
		For Class 56 Rating, Add	*4,434.07*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,331.79	1,394.69
		For Class 52 Rating, Deduct	*-1,674.05*	
		For Class 54 Rating, Add	*2,308.15*	
		For Class 55 Rating, Add	*3,444.47*	
		For Class 56 Rating, Add	*4,565.57*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,783.48	1,399.15
		For Class 52 Rating, Deduct	*-1,722.99*	
		For Class 54 Rating, Add	*2,374.97*	
		For Class 55 Rating, Add	*3,543.85*	
		For Class 56 Rating, Add	*4,697.07*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,235.16	1,403.60
		For Class 52 Rating, Deduct	*-1,771.93*	
		For Class 54 Rating, Add	*2,441.79*	
		For Class 55 Rating, Add	*3,643.23*	
		For Class 56 Rating, Add	*4,828.56*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,686.83	1,408.06
		For Class 52 Rating, Deduct	*-1,820.88*	
		For Class 54 Rating, Add	*2,508.61*	
		For Class 55 Rating, Add	*3,742.61*	
		For Class 56 Rating, Add	*4,960.06*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,138.51	1,412.52
		For Class 52 Rating, Deduct	*-1,869.82*	
		For Class 54 Rating, Add	*2,575.43*	
		For Class 55 Rating, Add	*3,841.99*	
		For Class 56 Rating, Add	*5,091.56*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,590.19	1,416.96
		For Class 52 Rating, Deduct	*-1,918.76*	
		For Class 54 Rating, Add	*2,642.25*	
		For Class 55 Rating, Add	*3,941.38*	
		For Class 56 Rating, Add	*5,223.05*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,041.88	1,421.42
		For Class 52 Rating, Deduct	*-1,967.70*	
		For Class 54 Rating, Add	*2,709.07*	
		For Class 55 Rating, Add	*4,040.76*	
		For Class 56 Rating, Add	*5,354.55*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,493.55	1,425.88
		For Class 52 Rating, Deduct	*-2,016.64*	
		For Class 54 Rating, Add	*2,775.89*	
		For Class 55 Rating, Add	*4,140.14*	
		For Class 56 Rating, Add	*5,486.05*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,060.01	1,506.09
		For Class 52 Rating, Deduct	*-2,065.59*	
		For Class 54 Rating, Add	*2,844.09*	
		For Class 55 Rating, Add	*4,242.27*	
		For Class 56 Rating, Add	*5,621.68*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,511.68	1,510.54
		For Class 52 Rating, Deduct	*-2,114.53*	
		For Class 54 Rating, Add	*2,910.91*	
		For Class 55 Rating, Add	*4,341.65*	
		For Class 56 Rating, Add	*5,753.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,963.36	1,514.99
		For Class 52 Rating, Deduct	*-2,163.47*	
		For Class 54 Rating, Add	*2,977.73*	
		For Class 55 Rating, Add	*4,441.03*	
		For Class 56 Rating, Add	*5,884.67*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,415.04	1,519.45
		For Class 52 Rating, Deduct	*-2,212.41*	
		For Class 54 Rating, Add	*3,044.55*	
		For Class 55 Rating, Add	*4,540.42*	
		For Class 56 Rating, Add	*6,016.17*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,866.72	1,523.91
		For Class 52 Rating, Deduct	*-2,261.35*	
		For Class 54 Rating, Add	*3,111.37*	
		For Class 55 Rating, Add	*4,639.80*	
		For Class 56 Rating, Add	*6,147.66*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,318.40	1,528.36
		For Class 52 Rating, Deduct	*-2,310.30*	
		For Class 54 Rating, Add	*3,178.19*	
		For Class 55 Rating, Add	*4,739.18*	
		For Class 56 Rating, Add	*6,279.16*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,770.09	1,532.82
		For Class 52 Rating, Deduct	*-2,359.24*	
		For Class 54 Rating, Add	*3,245.01*	
		For Class 55 Rating, Add	*4,838.56*	
		For Class 56 Rating, Add	*6,410.66*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,221.76	1,537.28
		For Class 52 Rating, Deduct	*-2,408.18*	
		For Class 54 Rating, Add	*3,311.83*	
		For Class 55 Rating, Add	*4,937.94*	
		For Class 56 Rating, Add	*6,542.15*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,673.43	1,541.73
		For Class 52 Rating, Deduct	*-2,457.12*	
		For Class 54 Rating, Add	*3,378.65*	
		For Class 55 Rating, Add	*5,037.32*	
		For Class 56 Rating, Add	*6,673.65*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,122.44	1,835.82
		For Class 52 Rating, Deduct	*-1,027.50*	
		For Class 54 Rating, Add	*1,434.51*	
		For Class 55 Rating, Add	*2,149.78*	
		For Class 56 Rating, Add	*2,855.70*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,771.86	1,840.27
		For Class 52 Rating, Deduct	*-1,098.19*	
		For Class 54 Rating, Add	*1,530.99*	
		For Class 55 Rating, Add	*2,293.26*	
		For Class 56 Rating, Add	*3,045.53*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,421.29	1,844.73
		For Class 52 Rating, Deduct	*-1,168.89*	
		For Class 54 Rating, Add	*1,627.48*	
		For Class 55 Rating, Add	*2,436.73*	
		For Class 56 Rating, Add	*3,235.36*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,070.72	1,849.19
		For Class 52 Rating, Deduct	*-1,239.58*	
		For Class 54 Rating, Add	*1,723.96*	
		For Class 55 Rating, Add	*2,580.21*	
		For Class 56 Rating, Add	*3,425.20*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,720.14	1,853.64
		For Class 52 Rating, Deduct	*-1,310.27*	
		For Class 54 Rating, Add	*1,820.44*	
		For Class 55 Rating, Add	*2,723.69*	
		For Class 56 Rating, Add	*3,615.03*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,369.56	1,858.10
		For Class 52 Rating, Deduct	*-1,380.97*	
		For Class 54 Rating, Add	*1,916.92*	
		For Class 55 Rating, Add	*2,867.17*	
		For Class 56 Rating, Add	*3,804.86*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,018.99	1,862.56
		For Class 52 Rating, Deduct	*-1,451.66*	
		For Class 54 Rating, Add	*2,013.41*	
		For Class 55 Rating, Add	*3,010.65*	
		For Class 56 Rating, Add	*3,994.69*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,668.42	1,867.01
		For Class 52 Rating, Deduct	*-1,522.36*	
		For Class 54 Rating, Add	*2,109.89*	
		For Class 55 Rating, Add	*3,154.12*	
		For Class 56 Rating, Add	*4,184.52*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,317.85	1,871.47
		For Class 52 Rating, Deduct	*-1,593.05*	
		For Class 54 Rating, Add	*2,206.37*	
		For Class 55 Rating, Add	*3,297.60*	
		For Class 56 Rating, Add	*4,374.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,967.26	1,875.93
		For Class 52 Rating, Deduct	*-1,663.75*	
		For Class 54 Rating, Add	*2,302.85*	
		For Class 55 Rating, Add	*3,441.08*	
		For Class 56 Rating, Add	*4,564.19*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,616.70	1,880.37
		For Class 52 Rating, Deduct	*-1,734.44*	
		For Class 54 Rating, Add	*2,399.33*	
		For Class 55 Rating, Add	*3,584.56*	
		For Class 56 Rating, Add	*4,754.02*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,266.12	1,884.83
		For Class 52 Rating, Deduct	*-1,805.13*	
		For Class 54 Rating, Add	*2,495.82*	
		For Class 55 Rating, Add	*3,728.04*	
		For Class 56 Rating, Add	*4,943.85*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,915.54	1,889.29
		For Class 52 Rating, Deduct	*-1,875.83*	
		For Class 54 Rating, Add	*2,592.30*	
		For Class 55 Rating, Add	*3,871.52*	
		For Class 56 Rating, Add	*5,133.68*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,564.97	1,893.74
		For Class 52 Rating, Deduct	*-1,946.52*	
		For Class 54 Rating, Add	*2,688.78*	
		For Class 55 Rating, Add	*4,015.00*	
		For Class 56 Rating, Add	*5,323.51*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,214.39	1,898.20
		For Class 52 Rating, Deduct	*-2,017.22*	
		For Class 54 Rating, Add	*2,785.26*	
		For Class 55 Rating, Add	*4,158.47*	
		For Class 56 Rating, Add	*5,513.35*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,863.83	1,902.66
		For Class 52 Rating, Deduct	*-2,087.91*	
		For Class 54 Rating, Add	*2,881.75*	
		For Class 55 Rating, Add	*4,301.95*	
		For Class 56 Rating, Add	*5,703.18*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,513.24	1,907.11
		For Class 52 Rating, Deduct	*-2,158.60*	
		For Class 54 Rating, Add	*2,978.23*	
		For Class 55 Rating, Add	*4,445.43*	
		For Class 56 Rating, Add	*5,893.01*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,162.67	1,911.57
		For Class 52 Rating, Deduct	*-2,229.30*	
		For Class 54 Rating, Add	*3,074.71*	
		For Class 55 Rating, Add	*4,588.91*	
		For Class 56 Rating, Add	*6,082.84*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,812.10	1,916.03
		For Class 52 Rating, Deduct	*-2,299.99*	
		For Class 54 Rating, Add	*3,171.19*	
		For Class 55 Rating, Add	*4,732.39*	
		For Class 56 Rating, Add	*6,272.67*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,461.52	1,920.48
		For Class 52 Rating, Deduct	*-2,370.69*	
		For Class 54 Rating, Add	*3,267.67*	
		For Class 55 Rating, Add	*4,875.86*	
		For Class 56 Rating, Add	*6,462.51*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,110.95	1,924.94
		For Class 52 Rating, Deduct	*-2,441.38*	
		For Class 54 Rating, Add	*3,364.16*	
		For Class 55 Rating, Add	*5,019.34*	
		For Class 56 Rating, Add	*6,652.34*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,760.37	1,929.39
		For Class 52 Rating, Deduct	*-2,512.08*	
		For Class 54 Rating, Add	*3,460.64*	
		For Class 55 Rating, Add	*5,162.82*	
		For Class 56 Rating, Add	*6,842.17*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,409.81	1,933.85
		For Class 52 Rating, Deduct	*-2,582.77*	
		For Class 54 Rating, Add	*3,557.12*	
		For Class 55 Rating, Add	*5,306.30*	
		For Class 56 Rating, Add	*7,032.00*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,059.23	1,938.30
		For Class 52 Rating, Deduct	*-2,653.46*	
		For Class 54 Rating, Add	*3,653.60*	
		For Class 55 Rating, Add	*5,449.78*	
		For Class 56 Rating, Add	*7,221.83*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,706.04	1,942.76
		For Class 52 Rating, Deduct	*-2,723.87*	
		For Class 54 Rating, Add	*3,749.69*	
		For Class 55 Rating, Add	*5,592.68*	
		For Class 56 Rating, Add	*7,410.90*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,358.08	1,947.22
		For Class 52 Rating, Deduct	*-2,794.85*	
		For Class 54 Rating, Add	*3,846.57*	
		For Class 55 Rating, Add	*5,736.74*	
		For Class 56 Rating, Add	*7,601.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,007.50	1,951.67
		For Class 52 Rating, Deduct	*-2,865.55*	
		For Class 54 Rating, Add	*3,943.05*	
		For Class 55 Rating, Add	*5,880.21*	
		For Class 56 Rating, Add	*7,791.33*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,656.93	1,956.13
		For Class 52 Rating, Deduct	*-2,936.24*	
		For Class 54 Rating, Add	*4,039.53*	
		For Class 55 Rating, Add	*6,023.69*	
		For Class 56 Rating, Add	*7,981.16*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,306.35	1,960.59
		For Class 52 Rating, Deduct	*-3,006.93*	
		For Class 54 Rating, Add	*4,136.01*	
		For Class 55 Rating, Add	*6,167.17*	
		For Class 56 Rating, Add	*8,170.99*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,955.78	1,965.04
		For Class 52 Rating, Deduct	*-3,077.63*	
		For Class 54 Rating, Add	*4,232.50*	
		For Class 55 Rating, Add	*6,310.65*	
		For Class 56 Rating, Add	*8,360.83*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,605.21	1,969.50
		For Class 52 Rating, Deduct	*-3,148.32*	
		For Class 54 Rating, Add	*4,328.98*	
		For Class 55 Rating, Add	*6,454.13*	
		For Class 56 Rating, Add	*8,550.66*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,254.62	1,973.95
		For Class 52 Rating, Deduct	*-3,219.02*	
		For Class 54 Rating, Add	*4,425.46*	
		For Class 55 Rating, Add	*6,597.61*	
		For Class 56 Rating, Add	*8,740.49*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,904.06	1,978.40
		For Class 52 Rating, Deduct	*-3,289.71*	
		For Class 54 Rating, Add	*4,521.94*	
		For Class 55 Rating, Add	*6,741.08*	
		For Class 56 Rating, Add	*8,930.32*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,553.48	1,982.86
		For Class 52 Rating, Deduct	*-3,360.41*	
		For Class 54 Rating, Add	*4,618.42*	
		For Class 55 Rating, Add	*6,884.56*	
		For Class 56 Rating, Add	*9,120.15*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,202.91	1,987.32
		For Class 52 Rating, Deduct	*-3,431.10*	
		For Class 54 Rating, Add	*4,714.91*	
		For Class 55 Rating, Add	*7,028.04*	
		For Class 56 Rating, Add	*9,309.99*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,852.33	1,991.77
		For Class 52 Rating, Deduct	*-3,501.79*	
		For Class 54 Rating, Add	*4,811.39*	
		For Class 55 Rating, Add	*7,171.52*	
		For Class 56 Rating, Add	*9,499.82*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,501.76	1,996.23
		For Class 52 Rating, Deduct	*-3,572.49*	
		For Class 54 Rating, Add	*4,907.87*	
		For Class 55 Rating, Add	*7,315.00*	
		For Class 56 Rating, Add	*9,689.65*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,151.19	2,000.69
		For Class 52 Rating, Deduct	*-3,643.18*	
		For Class 54 Rating, Add	*5,004.35*	
		For Class 55 Rating, Add	*7,458.48*	
		For Class 56 Rating, Add	*9,879.48*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,890.25	2,325.97
		For Class 52 Rating, Deduct	*-1,470.27*	
		For Class 54 Rating, Add	*2,047.20*	
		For Class 55 Rating, Add	*3,065.21*	
		For Class 56 Rating, Add	*4,069.86*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,771.25	2,330.42
		For Class 52 Rating, Deduct	*-1,566.43*	
		For Class 54 Rating, Add	*2,178.42*	
		For Class 55 Rating, Add	*3,260.33*	
		For Class 56 Rating, Add	*4,328.01*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,652.25	2,334.88
		For Class 52 Rating, Deduct	*-1,662.60*	
		For Class 54 Rating, Add	*2,309.63*	
		For Class 55 Rating, Add	*3,455.45*	
		For Class 56 Rating, Add	*4,586.15*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,533.24	2,339.34
		For Class 52 Rating, Deduct	*-1,758.77*	
		For Class 54 Rating, Add	*2,440.85*	
		For Class 55 Rating, Add	*3,650.57*	
		For Class 56 Rating, Add	*4,844.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,414.23	2,343.79
		For Class 52 Rating, Deduct	*-1,854.93*	
		For Class 54 Rating, Add	*2,572.07*	
		For Class 55 Rating, Add	*3,845.69*	
		For Class 56 Rating, Add	*5,102.44*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,295.24	2,348.24
		For Class 52 Rating, Deduct	*-1,951.10*	
		For Class 54 Rating, Add	*2,703.29*	
		For Class 55 Rating, Add	*4,040.81*	
		For Class 56 Rating, Add	*5,360.59*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,176.23	2,352.70
		For Class 52 Rating, Deduct	*-2,047.27*	
		For Class 54 Rating, Add	*2,834.51*	
		For Class 55 Rating, Add	*4,235.92*	
		For Class 56 Rating, Add	*5,618.73*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,057.23	2,357.15
		For Class 52 Rating, Deduct	*-2,143.44*	
		For Class 54 Rating, Add	*2,965.72*	
		For Class 55 Rating, Add	*4,431.04*	
		For Class 56 Rating, Add	*5,876.88*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,938.22	2,361.61
		For Class 52 Rating, Deduct	*-2,239.60*	
		For Class 54 Rating, Add	*3,096.94*	
		For Class 55 Rating, Add	*4,626.16*	
		For Class 56 Rating, Add	*6,135.02*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,819.22	2,366.07
		For Class 52 Rating, Deduct	*-2,335.77*	
		For Class 54 Rating, Add	*3,228.16*	
		For Class 55 Rating, Add	*4,821.28*	
		For Class 56 Rating, Add	*6,393.17*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,700.22	2,370.53
		For Class 52 Rating, Deduct	*-2,431.94*	
		For Class 54 Rating, Add	*3,359.38*	
		For Class 55 Rating, Add	*5,016.40*	
		For Class 56 Rating, Add	*6,651.31*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,581.21	2,374.98
		For Class 52 Rating, Deduct	*-2,528.10*	
		For Class 54 Rating, Add	*3,490.60*	
		For Class 55 Rating, Add	*5,211.52*	
		For Class 56 Rating, Add	*6,909.46*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,462.21	2,379.44
		For Class 52 Rating, Deduct	*-2,624.27*	
		For Class 54 Rating, Add	*3,621.81*	
		For Class 55 Rating, Add	*5,406.64*	
		For Class 56 Rating, Add	*7,167.60*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,343.21	2,383.90
		For Class 52 Rating, Deduct	*-2,720.44*	
		For Class 54 Rating, Add	*3,753.03*	
		For Class 55 Rating, Add	*5,601.76*	
		For Class 56 Rating, Add	*7,425.75*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,224.19	2,388.35
		For Class 52 Rating, Deduct	*-2,816.60*	
		For Class 54 Rating, Add	*3,884.25*	
		For Class 55 Rating, Add	*5,796.87*	
		For Class 56 Rating, Add	*7,683.89*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,105.20	2,392.80
		For Class 52 Rating, Deduct	*-2,912.77*	
		For Class 54 Rating, Add	*4,015.47*	
		For Class 55 Rating, Add	*5,991.99*	
		For Class 56 Rating, Add	*7,942.04*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,986.19	2,397.26
		For Class 52 Rating, Deduct	*-3,008.94*	
		For Class 54 Rating, Add	*4,146.68*	
		For Class 55 Rating, Add	*6,187.11*	
		For Class 56 Rating, Add	*8,200.18*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,867.20	2,401.71
		For Class 52 Rating, Deduct	*-3,105.11*	
		For Class 54 Rating, Add	*4,277.90*	
		For Class 55 Rating, Add	*6,382.23*	
		For Class 56 Rating, Add	*8,458.33*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,748.19	2,406.17
		For Class 52 Rating, Deduct	*-3,201.27*	
		For Class 54 Rating, Add	*4,409.12*	
		For Class 55 Rating, Add	*6,577.35*	
		For Class 56 Rating, Add	*8,716.48*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,629.18	2,410.63
		For Class 52 Rating, Deduct	*-3,297.44*	
		For Class 54 Rating, Add	*4,540.34*	
		For Class 55 Rating, Add	*6,772.47*	
		For Class 56 Rating, Add	*8,974.62*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,510.19	2,415.08
		For Class 52 Rating, Deduct	*-3,393.61*	
		For Class 54 Rating, Add	*4,671.56*	
		For Class 55 Rating, Add	*6,967.59*	
		For Class 56 Rating, Add	*9,232.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,391.18	2,419.54
		For Class 52 Rating, Deduct	*-3,489.77*	
		For Class 54 Rating, Add	*4,802.77*	
		For Class 55 Rating, Add	*7,162.71*	
		For Class 56 Rating, Add	*9,490.91*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,272.18	2,424.00
		For Class 52 Rating, Deduct	*-3,585.94*	
		For Class 54 Rating, Add	*4,933.99*	
		For Class 55 Rating, Add	*7,357.82*	
		For Class 56 Rating, Add	*9,749.06*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,153.17	2,428.45
		For Class 52 Rating, Deduct	*-3,682.11*	
		For Class 54 Rating, Add	*5,065.21*	
		For Class 55 Rating, Add	*7,552.94*	
		For Class 56 Rating, Add	*10,007.20*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,034.17	2,432.91
		For Class 52 Rating, Deduct	*-3,778.27*	
		For Class 54 Rating, Add	*5,196.43*	
		For Class 55 Rating, Add	*7,748.06*	
		For Class 56 Rating, Add	*10,265.35*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,915.17	2,437.36
		For Class 52 Rating, Deduct	*-3,874.44*	
		For Class 54 Rating, Add	*5,327.64*	
		For Class 55 Rating, Add	*7,943.18*	
		For Class 56 Rating, Add	*10,523.49*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,796.16	2,441.81
		For Class 52 Rating, Deduct	*-3,970.61*	
		For Class 54 Rating, Add	*5,458.86*	
		For Class 55 Rating, Add	*8,138.30*	
		For Class 56 Rating, Add	*10,781.64*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,677.16	2,446.27
		For Class 52 Rating, Deduct	*-4,066.77*	
		For Class 54 Rating, Add	*5,590.08*	
		For Class 55 Rating, Add	*8,333.42*	
		For Class 56 Rating, Add	*11,039.78*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,558.16	2,450.73
		For Class 52 Rating, Deduct	*-4,162.94*	
		For Class 54 Rating, Add	*5,721.30*	
		For Class 55 Rating, Add	*8,528.54*	
		For Class 56 Rating, Add	*11,297.93*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,439.14	2,455.18
		For Class 52 Rating, Deduct	*-4,259.11*	
		For Class 54 Rating, Add	*5,852.52*	
		For Class 55 Rating, Add	*8,723.65*	
		For Class 56 Rating, Add	*11,556.07*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,320.15	2,459.64
		For Class 52 Rating, Deduct	*-4,355.28*	
		For Class 54 Rating, Add	*5,983.73*	
		For Class 55 Rating, Add	*8,918.77*	
		For Class 56 Rating, Add	*11,814.22*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,201.14	2,464.10
		For Class 52 Rating, Deduct	*-4,451.44*	
		For Class 54 Rating, Add	*6,114.95*	
		For Class 55 Rating, Add	*9,113.89*	
		For Class 56 Rating, Add	*12,072.36*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,082.15	2,468.56
		For Class 52 Rating, Deduct	*-4,547.61*	
		For Class 54 Rating, Add	*6,246.17*	
		For Class 55 Rating, Add	*9,309.01*	
		For Class 56 Rating, Add	*12,330.51*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,963.13	2,473.01
		For Class 52 Rating, Deduct	*-4,643.78*	
		For Class 54 Rating, Add	*6,377.39*	
		For Class 55 Rating, Add	*9,504.13*	
		For Class 56 Rating, Add	*12,588.66*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,844.13	2,477.47
		For Class 52 Rating, Deduct	*-4,739.94*	
		For Class 54 Rating, Add	*6,508.60*	
		For Class 55 Rating, Add	*9,699.25*	
		For Class 56 Rating, Add	*12,846.80*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,725.13	2,481.93
		For Class 52 Rating, Deduct	*-4,836.11*	
		For Class 54 Rating, Add	*6,639.82*	
		For Class 55 Rating, Add	*9,894.37*	
		For Class 56 Rating, Add	*13,104.95*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,606.13	2,486.37
		For Class 52 Rating, Deduct	*-4,932.28*	
		For Class 54 Rating, Add	*6,771.04*	
		For Class 55 Rating, Add	*10,089.49*	
		For Class 56 Rating, Add	*13,363.09*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,487.12	2,490.83
		For Class 52 Rating, Deduct	*-5,028.44*	
		For Class 54 Rating, Add	*6,902.26*	
		For Class 55 Rating, Add	*10,284.60*	
		For Class 56 Rating, Add	*13,621.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476		42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,273.33	2,931.97
		For Class 52 Rating, Deduct	*-1,961.41*	
		For Class 54 Rating, Add	*2,727.95*	
		For Class 55 Rating, Add	*4,082.92*	
		For Class 56 Rating, Add	*5,420.06*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,586.25	2,936.42
		For Class 52 Rating, Deduct	*-2,105.08*	
		For Class 54 Rating, Add	*2,923.96*	
		For Class 55 Rating, Add	*4,374.36*	
		For Class 56 Rating, Add	*5,805.62*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,883.54	2,940.88
		For Class 52 Rating, Deduct	*-2,247.04*	
		For Class 54 Rating, Add	*3,117.62*	
		For Class 55 Rating, Add	*4,662.31*	
		For Class 56 Rating, Add	*6,186.57*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,193.86	2,945.34
		For Class 52 Rating, Deduct	*-2,390.44*	
		For Class 54 Rating, Add	*3,313.24*	
		For Class 55 Rating, Add	*4,953.17*	
		For Class 56 Rating, Add	*6,571.37*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,491.17	2,949.78
		For Class 52 Rating, Deduct	*-2,532.40*	
		For Class 54 Rating, Add	*3,506.90*	
		For Class 55 Rating, Add	*5,241.12*	
		For Class 56 Rating, Add	*6,952.33*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,804.07	2,954.24
		For Class 52 Rating, Deduct	*-2,676.07*	
		For Class 54 Rating, Add	*3,702.91*	
		For Class 55 Rating, Add	*5,532.56*	
		For Class 56 Rating, Add	*7,337.89*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,098.78	2,958.70
		For Class 52 Rating, Deduct	*-2,817.75*	
		For Class 54 Rating, Add	*3,896.18*	
		For Class 55 Rating, Add	*5,819.93*	
		For Class 56 Rating, Add	*7,718.07*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,411.70	2,963.15
		For Class 52 Rating, Deduct	*-2,961.43*	
		For Class 54 Rating, Add	*4,092.19*	
		For Class 55 Rating, Add	*6,111.37*	
		For Class 56 Rating, Add	*8,103.64*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,709.00	2,967.61
		For Class 52 Rating, Deduct	*-3,103.39*	
		For Class 54 Rating, Add	*4,285.85*	
		For Class 55 Rating, Add	*6,399.33*	
		For Class 56 Rating, Add	*8,484.59*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,019.31	2,972.07
		For Class 52 Rating, Deduct	*-3,246.78*	
		For Class 54 Rating, Add	*4,481.46*	
		For Class 55 Rating, Add	*6,690.18*	
		For Class 56 Rating, Add	*8,869.39*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,316.61	2,976.52
		For Class 52 Rating, Deduct	*-3,388.74*	
		For Class 54 Rating, Add	*4,675.13*	
		For Class 55 Rating, Add	*6,978.14*	
		For Class 56 Rating, Add	*9,250.34*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,626.93	2,980.98
		For Class 52 Rating, Deduct	*-3,532.13*	
		For Class 54 Rating, Add	*4,870.74*	
		For Class 55 Rating, Add	*7,268.99*	
		For Class 56 Rating, Add	*9,635.13*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,924.24	2,985.44
		For Class 52 Rating, Deduct	*-3,674.09*	
		For Class 54 Rating, Add	*5,064.41*	
		For Class 55 Rating, Add	*7,556.95*	
		For Class 56 Rating, Add	*10,016.09*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,224.13	2,989.89
		For Class 52 Rating, Deduct	*-3,816.34*	
		For Class 54 Rating, Add	*5,258.46*	
		For Class 55 Rating, Add	*7,845.49*	
		For Class 56 Rating, Add	*10,397.81*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,531.85	2,994.34
		For Class 52 Rating, Deduct	*-3,959.45*	
		For Class 54 Rating, Add	*5,453.69*	
		For Class 55 Rating, Add	*8,135.76*	
		For Class 56 Rating, Add	*10,781.84*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,829.15	2,998.80
		For Class 52 Rating, Deduct	*-4,101.41*	
		For Class 54 Rating, Add	*5,647.35*	
		For Class 55 Rating, Add	*8,423.72*	
		For Class 56 Rating, Add	*11,162.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,142.08	3,003.26
		For Class 52 Rating, Deduct	*-4,245.08*	
		For Class 54 Rating, Add	*5,843.36*	
		For Class 55 Rating, Add	*8,715.15*	
		For Class 56 Rating, Add	*11,548.36*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,439.37	3,007.71
		For Class 52 Rating, Deduct	*-4,387.05*	
		For Class 54 Rating, Add	*6,037.02*	
		For Class 55 Rating, Add	*9,003.11*	
		For Class 56 Rating, Add	*11,929.31*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,749.68	3,012.17
		For Class 52 Rating, Deduct	*-4,530.44*	
		For Class 54 Rating, Add	*6,232.64*	
		For Class 55 Rating, Add	*9,293.96*	
		For Class 56 Rating, Add	*12,314.11*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,046.99	3,016.63
		For Class 52 Rating, Deduct	*-4,672.40*	
		For Class 54 Rating, Add	*6,426.30*	
		For Class 55 Rating, Add	*9,581.92*	
		For Class 56 Rating, Add	*12,695.06*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,359.90	3,021.08
		For Class 52 Rating, Deduct	*-4,816.08*	
		For Class 54 Rating, Add	*6,622.31*	
		For Class 55 Rating, Add	*9,873.36*	
		For Class 56 Rating, Add	*13,080.63*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,657.21	3,025.54
		For Class 52 Rating, Deduct	*-4,958.04*	
		For Class 54 Rating, Add	*6,815.97*	
		For Class 55 Rating, Add	*10,161.31*	
		For Class 56 Rating, Add	*13,461.58*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,967.52	3,030.00
		For Class 52 Rating, Deduct	*-5,101.43*	
		For Class 54 Rating, Add	*7,011.58*	
		For Class 55 Rating, Add	*10,452.17*	
		For Class 56 Rating, Add	*13,846.38*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,264.82	3,034.45
		For Class 52 Rating, Deduct	*-5,243.39*	
		For Class 54 Rating, Add	*7,205.25*	
		For Class 55 Rating, Add	*10,740.12*	
		For Class 56 Rating, Add	*14,227.33*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,577.74	3,038.91
		For Class 52 Rating, Deduct	*-5,387.07*	
		For Class 54 Rating, Add	*7,401.25*	
		For Class 55 Rating, Add	*11,031.56*	
		For Class 56 Rating, Add	*14,612.89*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,875.04	3,043.36
		For Class 52 Rating, Deduct	*-5,529.03*	
		For Class 54 Rating, Add	*7,594.92*	
		For Class 55 Rating, Add	*11,319.52*	
		For Class 56 Rating, Add	*14,993.85*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,182.76	3,047.81
		For Class 52 Rating, Deduct	*-5,672.13*	
		For Class 54 Rating, Add	*7,790.14*	
		For Class 55 Rating, Add	*11,609.79*	
		For Class 56 Rating, Add	*15,377.88*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,482.66	3,052.27
		For Class 52 Rating, Deduct	*-5,814.38*	
		For Class 54 Rating, Add	*7,984.20*	
		For Class 55 Rating, Add	*11,898.33*	
		For Class 56 Rating, Add	*15,759.60*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,519.77	3,056.73
		For Class 52 Rating, Deduct	*-5,927.72*	
		For Class 54 Rating, Add	*8,138.83*	
		For Class 55 Rating, Add	*12,128.26*	
		For Class 56 Rating, Add	*16,063.80*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,090.28	3,061.18
		For Class 52 Rating, Deduct	*-6,099.73*	
		For Class 54 Rating, Add	*8,373.48*	
		For Class 55 Rating, Add	*12,477.14*	
		For Class 56 Rating, Add	*16,525.35*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,387.58	3,065.64
		For Class 52 Rating, Deduct	*-6,241.69*	
		For Class 54 Rating, Add	*8,567.14*	
		For Class 55 Rating, Add	*12,765.09*	
		For Class 56 Rating, Add	*16,906.30*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,697.90	3,070.10
		For Class 52 Rating, Deduct	*-6,385.09*	
		For Class 54 Rating, Add	*8,762.75*	
		For Class 55 Rating, Add	*13,055.95*	
		For Class 56 Rating, Add	*17,291.10*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,995.20	3,074.55
		For Class 52 Rating, Deduct	*-6,527.05*	
		For Class 54 Rating, Add	*8,956.42*	
		For Class 55 Rating, Add	*13,343.91*	
		For Class 56 Rating, Add	*17,672.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,308.11	3,079.01
		For Class 52 Rating, Deduct	*-6,670.72*	
		For Class 54 Rating, Add	*9,152.42*	
		For Class 55 Rating, Add	*13,635.34*	
		For Class 56 Rating, Add	*18,057.62*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,602.82	3,083.47
		For Class 52 Rating, Deduct	*-6,812.40*	
		For Class 54 Rating, Add	*9,345.70*	
		For Class 55 Rating, Add	*13,922.72*	
		For Class 56 Rating, Add	*18,437.80*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,915.72	3,087.92
		For Class 52 Rating, Deduct	*-6,956.08*	
		For Class 54 Rating, Add	*9,541.70*	
		For Class 55 Rating, Add	*14,214.15*	
		For Class 56 Rating, Add	*18,823.36*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,213.04	3,092.37
		For Class 52 Rating, Deduct	*-7,098.04*	
		For Class 54 Rating, Add	*9,735.37*	
		For Class 55 Rating, Add	*14,502.11*	
		For Class 56 Rating, Add	*19,204.32*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,523.35	3,096.83
		For Class 52 Rating, Deduct	*-7,241.43*	
		For Class 54 Rating, Add	*9,930.98*	
		For Class 55 Rating, Add	*14,792.97*	
		For Class 56 Rating, Add	*19,589.12*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,939.05	3,685.01
		For Class 52 Rating, Deduct	*-2,459.13*	
		For Class 54 Rating, Add	*3,420.36*	
		For Class 55 Rating, Add	*5,119.32*	
		For Class 56 Rating, Add	*6,795.93*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,847.79	3,689.47
		For Class 52 Rating, Deduct	*-2,668.35*	
		For Class 54 Rating, Add	*3,705.74*	
		For Class 55 Rating, Add	*5,543.63*	
		For Class 56 Rating, Add	*7,357.26*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,753.95	3,693.91
		For Class 52 Rating, Deduct	*-2,877.28*	
		For Class 54 Rating, Add	*3,990.73*	
		For Class 55 Rating, Add	*5,967.36*	
		For Class 56 Rating, Add	*7,917.83*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,675.71	3,698.37
		For Class 52 Rating, Deduct	*-3,087.93*	
		For Class 54 Rating, Add	*4,278.06*	
		For Class 55 Rating, Add	*6,394.57*	
		For Class 56 Rating, Add	*8,483.00*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,584.46	3,702.83
		For Class 52 Rating, Deduct	*-3,297.15*	
		For Class 54 Rating, Add	*4,563.44*	
		For Class 55 Rating, Add	*6,818.88*	
		For Class 56 Rating, Add	*9,044.34*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,493.22	3,707.28
		For Class 52 Rating, Deduct	*-3,506.37*	
		For Class 54 Rating, Add	*4,848.82*	
		For Class 55 Rating, Add	*7,243.19*	
		For Class 56 Rating, Add	*9,605.67*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,412.38	3,711.74
		For Class 52 Rating, Deduct	*-3,716.74*	
		For Class 54 Rating, Add	*5,135.77*	
		For Class 55 Rating, Add	*7,669.81*	
		For Class 56 Rating, Add	*10,170.07*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,323.75	3,716.20
		For Class 52 Rating, Deduct	*-3,926.25*	
		For Class 54 Rating, Add	*5,421.54*	
		For Class 55 Rating, Add	*8,094.70*	
		For Class 56 Rating, Add	*10,732.18*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,229.89	3,720.66
		For Class 52 Rating, Deduct	*-4,135.18*	
		For Class 54 Rating, Add	*5,706.53*	
		For Class 55 Rating, Add	*8,518.43*	
		For Class 56 Rating, Add	*11,292.74*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,151.65	3,725.11
		For Class 52 Rating, Deduct	*-4,345.83*	
		For Class 54 Rating, Add	*5,993.86*	
		For Class 55 Rating, Add	*8,945.64*	
		For Class 56 Rating, Add	*11,857.91*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,060.42	3,729.57
		For Class 52 Rating, Deduct	*-4,555.05*	
		For Class 54 Rating, Add	*6,279.24*	
		For Class 55 Rating, Add	*9,369.95*	
		For Class 56 Rating, Add	*12,419.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,982.18	3,734.03
		For Class 52 Rating, Deduct	*-4,765.70*	
		For Class 54 Rating, Add	*6,566.58*	
		For Class 55 Rating, Add	*9,797.16*	
		For Class 56 Rating, Add	*12,984.42*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,888.33	3,738.47
		For Class 52 Rating, Deduct	*-4,974.64*	
		For Class 54 Rating, Add	*6,851.57*	
		For Class 55 Rating, Add	*10,220.89*	
		For Class 56 Rating, Add	*13,544.99*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,797.09	3,742.93
		For Class 52 Rating, Deduct	*-5,183.86*	
		For Class 54 Rating, Add	*7,136.95*	
		For Class 55 Rating, Add	*10,645.20*	
		For Class 56 Rating, Add	*14,106.32*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,718.85	3,747.39
		For Class 52 Rating, Deduct	*-5,394.51*	
		For Class 54 Rating, Add	*7,424.28*	
		For Class 55 Rating, Add	*11,072.41*	
		For Class 56 Rating, Add	*14,671.50*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,627.61	3,751.84
		For Class 52 Rating, Deduct	*-5,603.73*	
		For Class 54 Rating, Add	*7,709.66*	
		For Class 55 Rating, Add	*11,496.72*	
		For Class 56 Rating, Add	*15,232.83*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,533.75	3,756.30
		For Class 52 Rating, Deduct	*-5,812.66*	
		For Class 54 Rating, Add	*7,994.65*	
		For Class 55 Rating, Add	*11,920.45*	
		For Class 56 Rating, Add	*15,793.39*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,455.53	3,760.76
		For Class 52 Rating, Deduct	*-6,023.32*	
		For Class 54 Rating, Add	*8,281.99*	
		For Class 55 Rating, Add	*12,347.66*	
		For Class 56 Rating, Add	*16,358.57*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,364.28	3,765.21
		For Class 52 Rating, Deduct	*-6,232.54*	
		For Class 54 Rating, Add	*8,567.37*	
		For Class 55 Rating, Add	*12,771.97*	
		For Class 56 Rating, Add	*16,919.90*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,270.42	3,769.67
		For Class 52 Rating, Deduct	*-6,441.47*	
		For Class 54 Rating, Add	*8,852.36*	
		For Class 55 Rating, Add	*13,195.69*	
		For Class 56 Rating, Add	*17,480.47*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,192.19	3,774.13
		For Class 52 Rating, Deduct	*-6,652.12*	
		For Class 54 Rating, Add	*9,139.69*	
		For Class 55 Rating, Add	*13,622.90*	
		For Class 56 Rating, Add	*18,045.64*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,103.55	3,778.58
		For Class 52 Rating, Deduct	*-6,861.63*	
		For Class 54 Rating, Add	*9,425.47*	
		For Class 55 Rating, Add	*14,047.79*	
		For Class 56 Rating, Add	*18,607.74*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,009.71	3,783.04
		For Class 52 Rating, Deduct	*-7,070.56*	
		For Class 54 Rating, Add	*9,710.46*	
		For Class 55 Rating, Add	*14,471.52*	
		For Class 56 Rating, Add	*19,168.31*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,931.46	3,787.49
		For Class 52 Rating, Deduct	*-7,281.21*	
		For Class 54 Rating, Add	*9,997.79*	
		For Class 55 Rating, Add	*14,898.73*	
		For Class 56 Rating, Add	*19,733.48*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,840.22	3,791.94
		For Class 52 Rating, Deduct	*-7,490.43*	
		For Class 54 Rating, Add	*10,283.17*	
		For Class 55 Rating, Add	*15,323.04*	
		For Class 56 Rating, Add	*20,294.81*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,746.38	3,796.40
		For Class 52 Rating, Deduct	*-7,699.37*	
		For Class 54 Rating, Add	*10,568.16*	
		For Class 55 Rating, Add	*15,746.77*	
		For Class 56 Rating, Add	*20,855.38*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,668.14	3,800.86
		For Class 52 Rating, Deduct	*-7,910.02*	
		For Class 54 Rating, Add	*10,855.50*	
		For Class 55 Rating, Add	*16,173.98*	
		For Class 56 Rating, Add	*21,420.55*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,576.90	3,805.32
		For Class 52 Rating, Deduct	*-8,119.24*	
		For Class 54 Rating, Add	*11,140.88*	
		For Class 55 Rating, Add	*16,598.29*	
		For Class 56 Rating, Add	*21,981.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,251.48	3,809.77
		For Class 52 Rating, Deduct	*-8,302.70*	
		For Class 54 Rating, Add	*11,391.13*	
		For Class 55 Rating, Add	*16,970.38*	
		For Class 56 Rating, Add	*22,474.14*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	83,407.41	3,814.23
		For Class 52 Rating, Deduct	*-8,539.11*	
		For Class 54 Rating, Add	*11,713.59*	
		For Class 55 Rating, Add	*17,449.81*	
		For Class 56 Rating, Add	*23,108.39*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,313.57	3,818.69
		For Class 52 Rating, Deduct	*-8,748.04*	
		For Class 54 Rating, Add	*11,998.58*	
		For Class 55 Rating, Add	*17,873.53*	
		For Class 56 Rating, Add	*23,668.96*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,237.93	3,823.14
		For Class 52 Rating, Deduct	*-8,958.98*	
		For Class 54 Rating, Add	*12,286.31*	
		For Class 55 Rating, Add	*18,301.33*	
		For Class 56 Rating, Add	*24,234.90*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	89,144.09	3,827.60
		For Class 52 Rating, Deduct	*-9,167.92*	
		For Class 54 Rating, Add	*12,571.30*	
		For Class 55 Rating, Add	*18,725.05*	
		For Class 56 Rating, Add	*24,795.46*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	91,050.24	3,832.05
		For Class 52 Rating, Deduct	*-9,376.85*	
		For Class 54 Rating, Add	*12,856.29*	
		For Class 55 Rating, Add	*19,148.78*	
		For Class 56 Rating, Add	*25,356.03*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	92,974.60	3,836.50
		For Class 52 Rating, Deduct	*-9,587.79*	
		For Class 54 Rating, Add	*13,144.01*	
		For Class 55 Rating, Add	*19,576.57*	
		For Class 56 Rating, Add	*25,921.97*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	94,880.76	3,840.96
		For Class 52 Rating, Deduct	*-9,796.72*	
		For Class 54 Rating, Add	*13,429.00*	
		For Class 55 Rating, Add	*20,000.30*	
		For Class 56 Rating, Add	*26,482.54*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	96,789.51	3,845.42
		For Class 52 Rating, Deduct	*-10,005.94*	
		For Class 54 Rating, Add	*13,714.38*	
		For Class 55 Rating, Add	*20,424.61*	
		For Class 56 Rating, Add	*27,043.87*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	98,711.29	3,849.87
		For Class 52 Rating, Deduct	*-10,216.60*	
		For Class 54 Rating, Add	*14,001.72*	
		For Class 55 Rating, Add	*20,851.82*	
		For Class 56 Rating, Add	*27,609.04*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	751.27	203.90
		For Class 52 Rating, Deduct	*-48.66*	
		For Class 54 Rating, Add	*70.06*	
		For Class 55 Rating, Add	*106.05*	
		For Class 56 Rating, Add	*141.61*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	824.32	207.47
		For Class 52 Rating, Deduct	*-56.10*	
		For Class 54 Rating, Add	*80.27*	
		For Class 55 Rating, Add	*121.27*	
		For Class 56 Rating, Add	*161.76*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.37	211.03
		For Class 52 Rating, Deduct	*-63.54*	
		For Class 54 Rating, Add	*90.48*	
		For Class 55 Rating, Add	*136.49*	
		For Class 56 Rating, Add	*181.91*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	970.42	214.59
		For Class 52 Rating, Deduct	*-70.98*	
		For Class 54 Rating, Add	*100.69*	
		For Class 55 Rating, Add	*151.70*	
		For Class 56 Rating, Add	*202.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,043.47	218.17
		For Class 52 Rating, Deduct	*-78.42*	
		For Class 54 Rating, Add	*110.91*	
		For Class 55 Rating, Add	*166.92*	
		For Class 56 Rating, Add	*222.21*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,116.53	221.73
		For Class 52 Rating, Deduct	*-85.86*	
		For Class 54 Rating, Add	*121.12*	
		For Class 55 Rating, Add	*182.13*	
		For Class 56 Rating, Add	*242.37*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,189.57	225.29
		For Class 52 Rating, Deduct	*-93.31*	
		For Class 54 Rating, Add	*131.33*	
		For Class 55 Rating, Add	*197.35*	
		For Class 56 Rating, Add	*262.52*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,262.63	228.86
		For Class 52 Rating, Deduct	*-100.75*	
		For Class 54 Rating, Add	*141.54*	
		For Class 55 Rating, Add	*212.56*	
		For Class 56 Rating, Add	*282.67*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,335.68	232.42
		For Class 52 Rating, Deduct	*-108.19*	
		For Class 54 Rating, Add	*151.76*	
		For Class 55 Rating, Add	*227.78*	
		For Class 56 Rating, Add	*302.82*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.73	235.98
		For Class 52 Rating, Deduct	*-115.63*	
		For Class 54 Rating, Add	*161.97*	
		For Class 55 Rating, Add	*242.99*	
		For Class 56 Rating, Add	*322.97*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,481.79	239.55
		For Class 52 Rating, Deduct	*-123.07*	
		For Class 54 Rating, Add	*172.18*	
		For Class 55 Rating, Add	*258.21*	
		For Class 56 Rating, Add	*343.12*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.83	243.11
		For Class 52 Rating, Deduct	*-130.51*	
		For Class 54 Rating, Add	*182.39*	
		For Class 55 Rating, Add	*273.43*	
		For Class 56 Rating, Add	*363.27*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,627.89	246.68
		For Class 52 Rating, Deduct	*-137.95*	
		For Class 54 Rating, Add	*192.60*	
		For Class 55 Rating, Add	*288.64*	
		For Class 56 Rating, Add	*383.42*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,700.93	250.25
		For Class 52 Rating, Deduct	*-145.40*	
		For Class 54 Rating, Add	*202.82*	
		For Class 55 Rating, Add	*303.86*	
		For Class 56 Rating, Add	*403.57*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,773.99	253.81
		For Class 52 Rating, Deduct	*-152.84*	
		For Class 54 Rating, Add	*213.03*	
		For Class 55 Rating, Add	*319.07*	
		For Class 56 Rating, Add	*423.73*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,847.03	257.37
		For Class 52 Rating, Deduct	*-160.28*	
		For Class 54 Rating, Add	*223.24*	
		For Class 55 Rating, Add	*334.29*	
		For Class 56 Rating, Add	*443.88*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,920.09	260.94
		For Class 52 Rating, Deduct	*-167.72*	
		For Class 54 Rating, Add	*233.45*	
		For Class 55 Rating, Add	*349.50*	
		For Class 56 Rating, Add	*464.03*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,993.14	264.50
		For Class 52 Rating, Deduct	*-175.16*	
		For Class 54 Rating, Add	*243.67*	
		For Class 55 Rating, Add	*364.72*	
		For Class 56 Rating, Add	*484.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,066.18	268.06
		For Class 52 Rating, Deduct	*-182.60*	
		For Class 54 Rating, Add	*253.88*	
		For Class 55 Rating, Add	*379.93*	
		For Class 56 Rating, Add	*504.33*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,139.23	271.63
		For Class 52 Rating, Deduct	*-190.04*	
		For Class 54 Rating, Add	*264.09*	
		For Class 55 Rating, Add	*395.15*	
		For Class 56 Rating, Add	*524.48*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,212.28	275.20
		For Class 52 Rating, Deduct	*-197.49*	
		For Class 54 Rating, Add	*274.30*	
		For Class 55 Rating, Add	*410.36*	
		For Class 56 Rating, Add	*544.63*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,285.33	278.77
		For Class 52 Rating, Deduct	*-204.93*	
		For Class 54 Rating, Add	*284.51*	
		For Class 55 Rating, Add	*425.58*	
		For Class 56 Rating, Add	*564.78*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.39	282.33
		For Class 52 Rating, Deduct	*-212.37*	
		For Class 54 Rating, Add	*294.73*	
		For Class 55 Rating, Add	*440.79*	
		For Class 56 Rating, Add	*584.93*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.43	285.89
		For Class 52 Rating, Deduct	*-219.81*	
		For Class 54 Rating, Add	*304.94*	
		For Class 55 Rating, Add	*456.01*	
		For Class 56 Rating, Add	*605.08*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,504.49	289.46
		For Class 52 Rating, Deduct	*-227.25*	
		For Class 54 Rating, Add	*315.15*	
		For Class 55 Rating, Add	*471.23*	
		For Class 56 Rating, Add	*625.23*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,577.53	293.02
		For Class 52 Rating, Deduct	*-234.69*	
		For Class 54 Rating, Add	*325.36*	
		For Class 55 Rating, Add	*486.44*	
		For Class 56 Rating, Add	*645.39*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.59	296.58
		For Class 52 Rating, Deduct	*-242.13*	
		For Class 54 Rating, Add	*335.58*	
		For Class 55 Rating, Add	*501.66*	
		For Class 56 Rating, Add	*665.54*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,723.64	300.15
		For Class 52 Rating, Deduct	*-249.58*	
		For Class 54 Rating, Add	*345.79*	
		For Class 55 Rating, Add	*516.87*	
		For Class 56 Rating, Add	*685.69*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,796.69	303.72
		For Class 52 Rating, Deduct	*-257.02*	
		For Class 54 Rating, Add	*356.00*	
		For Class 55 Rating, Add	*532.09*	
		For Class 56 Rating, Add	*705.84*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,869.74	307.28
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*366.21*	
		For Class 55 Rating, Add	*547.30*	
		For Class 56 Rating, Add	*725.99*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,942.79	310.85
		For Class 52 Rating, Deduct	*-271.90*	
		For Class 54 Rating, Add	*376.42*	
		For Class 55 Rating, Add	*562.52*	
		For Class 56 Rating, Add	*746.14*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,015.84	314.41
		For Class 52 Rating, Deduct	*-279.34*	
		For Class 54 Rating, Add	*386.64*	
		For Class 55 Rating, Add	*577.73*	
		For Class 56 Rating, Add	*766.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,088.89	317.97
		For Class 52 Rating, Deduct	*-286.78*	
		For Class 54 Rating, Add	*396.85*	
		For Class 55 Rating, Add	*592.95*	
		For Class 56 Rating, Add	*786.44*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,161.95	321.54
		For Class 52 Rating, Deduct	*-294.22*	
		For Class 54 Rating, Add	*407.06*	
		For Class 55 Rating, Add	*608.17*	
		For Class 56 Rating, Add	*806.60*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,235.00	325.10
		For Class 52 Rating, Deduct	*-301.67*	
		For Class 54 Rating, Add	*417.27*	
		For Class 55 Rating, Add	*623.38*	
		For Class 56 Rating, Add	*826.75*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,308.05	328.66
		For Class 52 Rating, Deduct	*-309.11*	
		For Class 54 Rating, Add	*427.49*	
		For Class 55 Rating, Add	*638.60*	
		For Class 56 Rating, Add	*846.90*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,381.10	332.24
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*437.70*	
		For Class 55 Rating, Add	*653.81*	
		For Class 56 Rating, Add	*867.05*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.15	335.80
		For Class 52 Rating, Deduct	*-323.99*	
		For Class 54 Rating, Add	*447.91*	
		For Class 55 Rating, Add	*669.03*	
		For Class 56 Rating, Add	*887.20*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.20	339.36
		For Class 52 Rating, Deduct	*-331.43*	
		For Class 54 Rating, Add	*458.12*	
		For Class 55 Rating, Add	*684.24*	
		For Class 56 Rating, Add	*907.35*	
40 05 19 00-0595		6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	937.88	256.66
		For Class 52 Rating, Deduct	*-60.39*	
		For Class 54 Rating, Add	*87.02*	
		For Class 55 Rating, Add	*131.76*	
		For Class 56 Rating, Add	*175.96*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,026.55	260.22
		For Class 52 Rating, Deduct	*-69.55*	
		For Class 54 Rating, Add	*99.57*	
		For Class 55 Rating, Add	*150.46*	
		For Class 56 Rating, Add	*200.71*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,115.20	263.79
		For Class 52 Rating, Deduct	*-78.71*	
		For Class 54 Rating, Add	*112.13*	
		For Class 55 Rating, Add	*169.16*	
		For Class 56 Rating, Add	*225.47*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,203.87	267.35
		For Class 52 Rating, Deduct	*-87.87*	
		For Class 54 Rating, Add	*124.68*	
		For Class 55 Rating, Add	*187.85*	
		For Class 56 Rating, Add	*250.23*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,292.54	270.91
		For Class 52 Rating, Deduct	*-97.03*	
		For Class 54 Rating, Add	*137.23*	
		For Class 55 Rating, Add	*206.55*	
		For Class 56 Rating, Add	*274.98*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,381.19	274.48
		For Class 52 Rating, Deduct	*-106.18*	
		For Class 54 Rating, Add	*149.79*	
		For Class 55 Rating, Add	*225.25*	
		For Class 56 Rating, Add	*299.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,469.86	278.05
		For Class 52 Rating, Deduct	*-115.34*	
		For Class 54 Rating, Add	*162.34*	
		For Class 55 Rating, Add	*243.94*	
		For Class 56 Rating, Add	*324.49*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,558.52	281.61
		For Class 52 Rating, Deduct	*-124.50*	
		For Class 54 Rating, Add	*174.90*	
		For Class 55 Rating, Add	*262.64*	
		For Class 56 Rating, Add	*349.25*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,647.19	285.18
		For Class 52 Rating, Deduct	*-133.66*	
		For Class 54 Rating, Add	*187.45*	
		For Class 55 Rating, Add	*281.34*	
		For Class 56 Rating, Add	*374.01*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,735.84	288.74
		For Class 52 Rating, Deduct	*-142.82*	
		For Class 54 Rating, Add	*200.00*	
		For Class 55 Rating, Add	*300.03*	
		For Class 56 Rating, Add	*398.77*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,824.51	292.30
		For Class 52 Rating, Deduct	*-151.98*	
		For Class 54 Rating, Add	*212.56*	
		For Class 55 Rating, Add	*318.73*	
		For Class 56 Rating, Add	*423.52*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,913.17	295.87
		For Class 52 Rating, Deduct	*-161.14*	
		For Class 54 Rating, Add	*225.11*	
		For Class 55 Rating, Add	*337.43*	
		For Class 56 Rating, Add	*448.28*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,001.83	299.43
		For Class 52 Rating, Deduct	*-170.30*	
		For Class 54 Rating, Add	*237.67*	
		For Class 55 Rating, Add	*356.12*	
		For Class 56 Rating, Add	*473.03*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,090.49	302.99
		For Class 52 Rating, Deduct	*-179.45*	
		For Class 54 Rating, Add	*250.22*	
		For Class 55 Rating, Add	*374.82*	
		For Class 56 Rating, Add	*497.79*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,179.16	306.57
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*262.77*	
		For Class 55 Rating, Add	*393.52*	
		For Class 56 Rating, Add	*522.55*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,267.82	310.13
		For Class 52 Rating, Deduct	*-197.77*	
		For Class 54 Rating, Add	*275.33*	
		For Class 55 Rating, Add	*412.22*	
		For Class 56 Rating, Add	*547.31*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.49	313.69
		For Class 52 Rating, Deduct	*-206.93*	
		For Class 54 Rating, Add	*287.88*	
		For Class 55 Rating, Add	*430.91*	
		For Class 56 Rating, Add	*572.06*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,445.14	317.26
		For Class 52 Rating, Deduct	*-216.09*	
		For Class 54 Rating, Add	*300.44*	
		For Class 55 Rating, Add	*449.61*	
		For Class 56 Rating, Add	*596.82*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,533.81	320.82
		For Class 52 Rating, Deduct	*-225.25*	
		For Class 54 Rating, Add	*312.99*	
		For Class 55 Rating, Add	*468.31*	
		For Class 56 Rating, Add	*621.57*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.46	324.39
		For Class 52 Rating, Deduct	*-234.41*	
		For Class 54 Rating, Add	*325.54*	
		For Class 55 Rating, Add	*487.00*	
		For Class 56 Rating, Add	*646.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,711.13	327.95
		For Class 52 Rating, Deduct	*-243.57*	
		For Class 54 Rating, Add	*338.10*	
		For Class 55 Rating, Add	*505.70*	
		For Class 56 Rating, Add	*671.09*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.79	331.51
		For Class 52 Rating, Deduct	*-252.73*	
		For Class 54 Rating, Add	*350.65*	
		For Class 55 Rating, Add	*524.40*	
		For Class 56 Rating, Add	*695.84*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,888.46	335.09
		For Class 52 Rating, Deduct	*-261.88*	
		For Class 54 Rating, Add	*363.21*	
		For Class 55 Rating, Add	*543.09*	
		For Class 56 Rating, Add	*720.60*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,977.12	338.65
		For Class 52 Rating, Deduct	*-271.04*	
		For Class 54 Rating, Add	*375.76*	
		For Class 55 Rating, Add	*561.79*	
		For Class 56 Rating, Add	*745.36*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,065.78	342.21
		For Class 52 Rating, Deduct	*-280.20*	
		For Class 54 Rating, Add	*388.31*	
		For Class 55 Rating, Add	*580.49*	
		For Class 56 Rating, Add	*770.11*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,154.44	345.78
		For Class 52 Rating, Deduct	*-289.36*	
		For Class 54 Rating, Add	*400.87*	
		For Class 55 Rating, Add	*599.18*	
		For Class 56 Rating, Add	*794.87*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,243.10	349.34
		For Class 52 Rating, Deduct	*-298.52*	
		For Class 54 Rating, Add	*413.42*	
		For Class 55 Rating, Add	*617.88*	
		For Class 56 Rating, Add	*819.63*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,331.76	352.90
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*425.98*	
		For Class 55 Rating, Add	*636.58*	
		For Class 56 Rating, Add	*844.38*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,420.44	356.47
		For Class 52 Rating, Deduct	*-316.84*	
		For Class 54 Rating, Add	*438.53*	
		For Class 55 Rating, Add	*655.28*	
		For Class 56 Rating, Add	*869.14*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,509.10	360.03
		For Class 52 Rating, Deduct	*-325.99*	
		For Class 54 Rating, Add	*451.08*	
		For Class 55 Rating, Add	*673.97*	
		For Class 56 Rating, Add	*893.90*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,597.76	363.60
		For Class 52 Rating, Deduct	*-335.15*	
		For Class 54 Rating, Add	*463.64*	
		For Class 55 Rating, Add	*692.67*	
		For Class 56 Rating, Add	*918.65*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,686.42	367.17
		For Class 52 Rating, Deduct	*-344.31*	
		For Class 54 Rating, Add	*476.19*	
		For Class 55 Rating, Add	*711.37*	
		For Class 56 Rating, Add	*943.41*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,775.08	370.73
		For Class 52 Rating, Deduct	*-353.47*	
		For Class 54 Rating, Add	*488.75*	
		For Class 55 Rating, Add	*730.06*	
		For Class 56 Rating, Add	*968.17*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,863.75	374.29
		For Class 52 Rating, Deduct	*-362.63*	
		For Class 54 Rating, Add	*501.30*	
		For Class 55 Rating, Add	*748.76*	
		For Class 56 Rating, Add	*992.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,952.40	377.86
		For Class 52 Rating, Deduct	*-371.79*	
		For Class 54 Rating, Add	*513.85*	
		For Class 55 Rating, Add	*767.46*	
		For Class 56 Rating, Add	*1,017.68*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,041.08	381.42
		For Class 52 Rating, Deduct	*-380.95*	
		For Class 54 Rating, Add	*526.41*	
		For Class 55 Rating, Add	*786.15*	
		For Class 56 Rating, Add	*1,042.44*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,129.73	384.98
		For Class 52 Rating, Deduct	*-390.11*	
		For Class 54 Rating, Add	*538.96*	
		For Class 55 Rating, Add	*804.85*	
		For Class 56 Rating, Add	*1,067.19*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,218.40	388.55
		For Class 52 Rating, Deduct	*-399.26*	
		For Class 54 Rating, Add	*551.52*	
		For Class 55 Rating, Add	*823.55*	
		For Class 56 Rating, Add	*1,091.95*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,307.05	392.12
		For Class 52 Rating, Deduct	*-408.42*	
		For Class 54 Rating, Add	*564.07*	
		For Class 55 Rating, Add	*842.24*	
		For Class 56 Rating, Add	*1,116.71*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,298.29	327.95
		For Class 52 Rating, Deduct	*-88.15*	
		For Class 54 Rating, Add	*126.17*	
		For Class 55 Rating, Add	*190.64*	
		For Class 56 Rating, Add	*254.30*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,418.17	331.51
		For Class 52 Rating, Deduct	*-100.75*	
		For Class 54 Rating, Add	*143.41*	
		For Class 55 Rating, Add	*216.30*	
		For Class 56 Rating, Add	*288.27*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,538.06	335.09
		For Class 52 Rating, Deduct	*-113.34*	
		For Class 54 Rating, Add	*160.65*	
		For Class 55 Rating, Add	*241.96*	
		For Class 56 Rating, Add	*322.23*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,657.94	338.65
		For Class 52 Rating, Deduct	*-125.93*	
		For Class 54 Rating, Add	*177.88*	
		For Class 55 Rating, Add	*267.61*	
		For Class 56 Rating, Add	*356.20*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,777.83	342.21
		For Class 52 Rating, Deduct	*-138.53*	
		For Class 54 Rating, Add	*195.12*	
		For Class 55 Rating, Add	*293.27*	
		For Class 56 Rating, Add	*390.17*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,897.71	345.78
		For Class 52 Rating, Deduct	*-151.12*	
		For Class 54 Rating, Add	*212.36*	
		For Class 55 Rating, Add	*318.93*	
		For Class 56 Rating, Add	*424.13*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.60	349.34
		For Class 52 Rating, Deduct	*-163.71*	
		For Class 54 Rating, Add	*229.60*	
		For Class 55 Rating, Add	*344.59*	
		For Class 56 Rating, Add	*458.10*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,137.48	352.90
		For Class 52 Rating, Deduct	*-176.31*	
		For Class 54 Rating, Add	*246.83*	
		For Class 55 Rating, Add	*370.25*	
		For Class 56 Rating, Add	*492.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,257.38	356.47
		For Class 52 Rating, Deduct	*-188.90*	
		For Class 54 Rating, Add	*264.07*	
		For Class 55 Rating, Add	*395.91*	
		For Class 56 Rating, Add	*526.04*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,377.26	360.03
		For Class 52 Rating, Deduct	*-201.49*	
		For Class 54 Rating, Add	*281.31*	
		For Class 55 Rating, Add	*421.57*	
		For Class 56 Rating, Add	*560.00*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,497.15	363.60
		For Class 52 Rating, Deduct	*-214.09*	
		For Class 54 Rating, Add	*298.55*	
		For Class 55 Rating, Add	*447.23*	
		For Class 56 Rating, Add	*593.97*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,617.03	367.17
		For Class 52 Rating, Deduct	*-226.68*	
		For Class 54 Rating, Add	*315.78*	
		For Class 55 Rating, Add	*472.89*	
		For Class 56 Rating, Add	*627.94*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,736.92	370.73
		For Class 52 Rating, Deduct	*-239.27*	
		For Class 54 Rating, Add	*333.02*	
		For Class 55 Rating, Add	*498.55*	
		For Class 56 Rating, Add	*661.91*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,856.81	374.29
		For Class 52 Rating, Deduct	*-251.87*	
		For Class 54 Rating, Add	*350.26*	
		For Class 55 Rating, Add	*524.21*	
		For Class 56 Rating, Add	*695.87*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.68	377.86
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*367.50*	
		For Class 55 Rating, Add	*549.87*	
		For Class 56 Rating, Add	*729.84*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,096.58	381.42
		For Class 52 Rating, Deduct	*-277.05*	
		For Class 54 Rating, Add	*384.73*	
		For Class 55 Rating, Add	*575.53*	
		For Class 56 Rating, Add	*763.81*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,216.45	384.98
		For Class 52 Rating, Deduct	*-289.65*	
		For Class 54 Rating, Add	*401.97*	
		For Class 55 Rating, Add	*601.19*	
		For Class 56 Rating, Add	*797.78*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,336.35	388.55
		For Class 52 Rating, Deduct	*-302.24*	
		For Class 54 Rating, Add	*419.21*	
		For Class 55 Rating, Add	*626.85*	
		For Class 56 Rating, Add	*831.74*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,456.22	392.12
		For Class 52 Rating, Deduct	*-314.83*	
		For Class 54 Rating, Add	*436.45*	
		For Class 55 Rating, Add	*652.51*	
		For Class 56 Rating, Add	*865.71*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.12	395.68
		For Class 52 Rating, Deduct	*-327.43*	
		For Class 54 Rating, Add	*453.68*	
		For Class 55 Rating, Add	*678.17*	
		For Class 56 Rating, Add	*899.68*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,696.00	399.25
		For Class 52 Rating, Deduct	*-340.02*	
		For Class 54 Rating, Add	*470.92*	
		For Class 55 Rating, Add	*703.83*	
		For Class 56 Rating, Add	*933.65*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,815.89	402.81
		For Class 52 Rating, Deduct	*-352.61*	
		For Class 54 Rating, Add	*488.16*	
		For Class 55 Rating, Add	*729.49*	
		For Class 56 Rating, Add	*967.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,935.77	406.38
		For Class 52 Rating, Deduct	*-365.21*	
		For Class 54 Rating, Add	*505.40*	
		For Class 55 Rating, Add	*755.15*	
		For Class 56 Rating, Add	*1,001.58*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,055.65	409.94
		For Class 52 Rating, Deduct	*-377.80*	
		For Class 54 Rating, Add	*522.63*	
		For Class 55 Rating, Add	*780.81*	
		For Class 56 Rating, Add	*1,035.55*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,175.54	413.50
		For Class 52 Rating, Deduct	*-390.39*	
		For Class 54 Rating, Add	*539.87*	
		For Class 55 Rating, Add	*806.47*	
		For Class 56 Rating, Add	*1,069.52*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,295.43	417.07
		For Class 52 Rating, Deduct	*-402.99*	
		For Class 54 Rating, Add	*557.11*	
		For Class 55 Rating, Add	*832.13*	
		For Class 56 Rating, Add	*1,103.48*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,415.31	420.64
		For Class 52 Rating, Deduct	*-415.58*	
		For Class 54 Rating, Add	*574.35*	
		For Class 55 Rating, Add	*857.79*	
		For Class 56 Rating, Add	*1,137.45*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,535.20	424.20
		For Class 52 Rating, Deduct	*-428.17*	
		For Class 54 Rating, Add	*591.58*	
		For Class 55 Rating, Add	*883.45*	
		For Class 56 Rating, Add	*1,171.42*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,655.08	427.77
		For Class 52 Rating, Deduct	*-440.77*	
		For Class 54 Rating, Add	*608.82*	
		For Class 55 Rating, Add	*909.11*	
		For Class 56 Rating, Add	*1,205.39*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,774.97	431.33
		For Class 52 Rating, Deduct	*-453.36*	
		For Class 54 Rating, Add	*626.06*	
		For Class 55 Rating, Add	*934.77*	
		For Class 56 Rating, Add	*1,239.35*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,894.85	434.89
		For Class 52 Rating, Deduct	*-465.95*	
		For Class 54 Rating, Add	*643.30*	
		For Class 55 Rating, Add	*960.43*	
		For Class 56 Rating, Add	*1,273.32*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,014.74	438.46
		For Class 52 Rating, Deduct	*-478.55*	
		For Class 54 Rating, Add	*660.53*	
		For Class 55 Rating, Add	*986.09*	
		For Class 56 Rating, Add	*1,307.29*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,134.62	442.02
		For Class 52 Rating, Deduct	*-491.14*	
		For Class 54 Rating, Add	*677.77*	
		For Class 55 Rating, Add	*1,011.74*	
		For Class 56 Rating, Add	*1,341.25*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,254.51	445.58
		For Class 52 Rating, Deduct	*-503.73*	
		For Class 54 Rating, Add	*695.01*	
		For Class 55 Rating, Add	*1,037.40*	
		For Class 56 Rating, Add	*1,375.22*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,374.40	449.16
		For Class 52 Rating, Deduct	*-516.32*	
		For Class 54 Rating, Add	*712.25*	
		For Class 55 Rating, Add	*1,063.06*	
		For Class 56 Rating, Add	*1,409.19*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,494.28	452.72
		For Class 52 Rating, Deduct	*-528.92*	
		For Class 54 Rating, Add	*729.48*	
		For Class 55 Rating, Add	*1,088.72*	
		For Class 56 Rating, Add	*1,443.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,614.17	456.28
		For Class 52 Rating, Deduct	*-541.51*	
		For Class 54 Rating, Add	*746.72*	
		For Class 55 Rating, Add	*1,114.38*	
		For Class 56 Rating, Add	*1,477.12*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,734.06	459.85
		For Class 52 Rating, Deduct	*-554.11*	
		For Class 54 Rating, Add	*763.96*	
		For Class 55 Rating, Add	*1,140.04*	
		For Class 56 Rating, Add	*1,511.09*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,853.94	463.41
		For Class 52 Rating, Deduct	*-566.70*	
		For Class 54 Rating, Add	*781.20*	
		For Class 55 Rating, Add	*1,165.70*	
		For Class 56 Rating, Add	*1,545.06*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,630.08	399.25
		For Class 52 Rating, Deduct	*-112.77*	
		For Class 54 Rating, Add	*161.03*	
		For Class 55 Rating, Add	*243.13*	
		For Class 56 Rating, Add	*324.20*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,786.39	402.81
		For Class 52 Rating, Deduct	*-129.37*	
		For Class 54 Rating, Add	*183.73*	
		For Class 55 Rating, Add	*276.91*	
		For Class 56 Rating, Add	*368.91*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.70	406.38
		For Class 52 Rating, Deduct	*-145.97*	
		For Class 54 Rating, Add	*206.44*	
		For Class 55 Rating, Add	*310.69*	
		For Class 56 Rating, Add	*413.63*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,099.01	409.94
		For Class 52 Rating, Deduct	*-162.57*	
		For Class 54 Rating, Add	*229.14*	
		For Class 55 Rating, Add	*344.48*	
		For Class 56 Rating, Add	*458.34*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,255.32	413.50
		For Class 52 Rating, Deduct	*-179.17*	
		For Class 54 Rating, Add	*251.84*	
		For Class 55 Rating, Add	*378.26*	
		For Class 56 Rating, Add	*503.05*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,411.64	417.07
		For Class 52 Rating, Deduct	*-195.77*	
		For Class 54 Rating, Add	*274.54*	
		For Class 55 Rating, Add	*412.04*	
		For Class 56 Rating, Add	*547.76*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,567.94	420.64
		For Class 52 Rating, Deduct	*-212.37*	
		For Class 54 Rating, Add	*297.24*	
		For Class 55 Rating, Add	*445.82*	
		For Class 56 Rating, Add	*592.48*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,724.27	424.20
		For Class 52 Rating, Deduct	*-228.97*	
		For Class 54 Rating, Add	*319.94*	
		For Class 55 Rating, Add	*479.61*	
		For Class 56 Rating, Add	*637.19*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,880.57	427.77
		For Class 52 Rating, Deduct	*-245.57*	
		For Class 54 Rating, Add	*342.64*	
		For Class 55 Rating, Add	*513.39*	
		For Class 56 Rating, Add	*681.91*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,036.89	431.33
		For Class 52 Rating, Deduct	*-262.17*	
		For Class 54 Rating, Add	*365.35*	
		For Class 55 Rating, Add	*547.17*	
		For Class 56 Rating, Add	*726.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,193.19	434.89
		For Class 52 Rating, Deduct	*-278.77*	
		For Class 54 Rating, Add	*388.05*	
		For Class 55 Rating, Add	*580.96*	
		For Class 56 Rating, Add	*771.33*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,349.51	438.46
		For Class 52 Rating, Deduct	*-295.37*	
		For Class 54 Rating, Add	*410.75*	
		For Class 55 Rating, Add	*614.74*	
		For Class 56 Rating, Add	*816.04*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,505.82	442.02
		For Class 52 Rating, Deduct	*-311.97*	
		For Class 54 Rating, Add	*433.45*	
		For Class 55 Rating, Add	*648.52*	
		For Class 56 Rating, Add	*860.76*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,662.13	445.58
		For Class 52 Rating, Deduct	*-328.57*	
		For Class 54 Rating, Add	*456.15*	
		For Class 55 Rating, Add	*682.30*	
		For Class 56 Rating, Add	*905.47*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,818.46	449.16
		For Class 52 Rating, Deduct	*-345.17*	
		For Class 54 Rating, Add	*478.85*	
		For Class 55 Rating, Add	*716.09*	
		For Class 56 Rating, Add	*950.19*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,974.76	452.72
		For Class 52 Rating, Deduct	*-361.77*	
		For Class 54 Rating, Add	*501.56*	
		For Class 55 Rating, Add	*749.87*	
		For Class 56 Rating, Add	*994.90*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,131.08	456.28
		For Class 52 Rating, Deduct	*-378.37*	
		For Class 54 Rating, Add	*524.26*	
		For Class 55 Rating, Add	*783.65*	
		For Class 56 Rating, Add	*1,039.61*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,287.39	459.85
		For Class 52 Rating, Deduct	*-394.97*	
		For Class 54 Rating, Add	*546.96*	
		For Class 55 Rating, Add	*817.44*	
		For Class 56 Rating, Add	*1,084.32*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,443.70	463.41
		For Class 52 Rating, Deduct	*-411.57*	
		For Class 54 Rating, Add	*569.66*	
		For Class 55 Rating, Add	*851.22*	
		For Class 56 Rating, Add	*1,129.04*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,600.01	466.97
		For Class 52 Rating, Deduct	*-428.17*	
		For Class 54 Rating, Add	*592.36*	
		For Class 55 Rating, Add	*885.00*	
		For Class 56 Rating, Add	*1,173.75*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,756.32	470.54
		For Class 52 Rating, Deduct	*-444.77*	
		For Class 54 Rating, Add	*615.06*	
		For Class 55 Rating, Add	*918.78*	
		For Class 56 Rating, Add	*1,218.46*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,912.64	474.10
		For Class 52 Rating, Deduct	*-461.37*	
		For Class 54 Rating, Add	*637.77*	
		For Class 55 Rating, Add	*952.57*	
		For Class 56 Rating, Add	*1,263.18*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,068.95	477.67
		For Class 52 Rating, Deduct	*-477.97*	
		For Class 54 Rating, Add	*660.47*	
		For Class 55 Rating, Add	*986.35*	
		For Class 56 Rating, Add	*1,307.89*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,225.26	481.24
		For Class 52 Rating, Deduct	*-494.57*	
		For Class 54 Rating, Add	*683.17*	
		For Class 55 Rating, Add	*1,020.13*	
		For Class 56 Rating, Add	*1,352.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,381.58	484.80
		For Class 52 Rating, Deduct	*-511.17*	
		For Class 54 Rating, Add	*705.87*	
		For Class 55 Rating, Add	*1,053.92*	
		For Class 56 Rating, Add	*1,397.32*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,537.88	488.36
		For Class 52 Rating, Deduct	*-527.77*	
		For Class 54 Rating, Add	*728.57*	
		For Class 55 Rating, Add	*1,087.70*	
		For Class 56 Rating, Add	*1,442.03*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,694.20	491.93
		For Class 52 Rating, Deduct	*-544.37*	
		For Class 54 Rating, Add	*751.27*	
		For Class 55 Rating, Add	*1,121.48*	
		For Class 56 Rating, Add	*1,486.74*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,850.50	495.49
		For Class 52 Rating, Deduct	*-560.97*	
		For Class 54 Rating, Add	*773.97*	
		For Class 55 Rating, Add	*1,155.26*	
		For Class 56 Rating, Add	*1,531.46*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,006.82	499.06
		For Class 52 Rating, Deduct	*-577.57*	
		For Class 54 Rating, Add	*796.67*	
		For Class 55 Rating, Add	*1,189.05*	
		For Class 56 Rating, Add	*1,576.17*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,163.14	502.62
		For Class 52 Rating, Deduct	*-594.17*	
		For Class 54 Rating, Add	*819.38*	
		For Class 55 Rating, Add	*1,222.83*	
		For Class 56 Rating, Add	*1,620.88*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,319.45	506.18
		For Class 52 Rating, Deduct	*-610.78*	
		For Class 54 Rating, Add	*842.08*	
		For Class 55 Rating, Add	*1,256.61*	
		For Class 56 Rating, Add	*1,665.60*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,475.76	509.76
		For Class 52 Rating, Deduct	*-627.38*	
		For Class 54 Rating, Add	*864.78*	
		For Class 55 Rating, Add	*1,290.40*	
		For Class 56 Rating, Add	*1,710.31*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,632.07	513.32
		For Class 52 Rating, Deduct	*-643.98*	
		For Class 54 Rating, Add	*887.48*	
		For Class 55 Rating, Add	*1,324.18*	
		For Class 56 Rating, Add	*1,755.02*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,788.38	516.88
		For Class 52 Rating, Deduct	*-660.58*	
		For Class 54 Rating, Add	*910.18*	
		For Class 55 Rating, Add	*1,357.96*	
		For Class 56 Rating, Add	*1,799.74*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,944.70	520.45
		For Class 52 Rating, Deduct	*-677.18*	
		For Class 54 Rating, Add	*932.88*	
		For Class 55 Rating, Add	*1,391.74*	
		For Class 56 Rating, Add	*1,844.45*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,101.00	524.01
		For Class 52 Rating, Deduct	*-693.78*	
		For Class 54 Rating, Add	*955.58*	
		For Class 55 Rating, Add	*1,425.53*	
		For Class 56 Rating, Add	*1,889.16*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,257.33	527.57
		For Class 52 Rating, Deduct	*-710.38*	
		For Class 54 Rating, Add	*978.29*	
		For Class 55 Rating, Add	*1,459.31*	
		For Class 56 Rating, Add	*1,933.88*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,413.63	531.14
		For Class 52 Rating, Deduct	*-726.98*	
		For Class 54 Rating, Add	*1,000.99*	
		For Class 55 Rating, Add	*1,493.09*	
		For Class 56 Rating, Add	*1,978.59*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,569.95	534.70
		For Class 52 Rating, Deduct	*-743.58*	
		For Class 54 Rating, Add	*1,023.69*	
		For Class 55 Rating, Add	*1,526.88*	
		For Class 56 Rating, Add	*2,023.30*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,114.35	499.06
		For Class 52 Rating, Deduct	*-149.40*	
		For Class 54 Rating, Add	*212.80*	
		For Class 55 Rating, Add	*321.03*	
		For Class 56 Rating, Add	*427.89*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.69	502.62
		For Class 52 Rating, Deduct	*-170.30*	
		For Class 54 Rating, Add	*241.36*	
		For Class 55 Rating, Add	*363.51*	
		For Class 56 Rating, Add	*484.12*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.03	506.18
		For Class 52 Rating, Deduct	*-191.19*	
		For Class 54 Rating, Add	*269.92*	
		For Class 55 Rating, Add	*406.00*	
		For Class 56 Rating, Add	*540.34*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,700.37	509.76
		For Class 52 Rating, Deduct	*-212.08*	
		For Class 54 Rating, Add	*298.47*	
		For Class 55 Rating, Add	*448.48*	
		For Class 56 Rating, Add	*596.57*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,895.71	513.32
		For Class 52 Rating, Deduct	*-232.98*	
		For Class 54 Rating, Add	*327.03*	
		For Class 55 Rating, Add	*490.97*	
		For Class 56 Rating, Add	*652.80*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,091.05	516.88
		For Class 52 Rating, Deduct	*-253.87*	
		For Class 54 Rating, Add	*355.58*	
		For Class 55 Rating, Add	*533.46*	
		For Class 56 Rating, Add	*709.02*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,286.40	520.45
		For Class 52 Rating, Deduct	*-274.76*	
		For Class 54 Rating, Add	*384.14*	
		For Class 55 Rating, Add	*575.94*	
		For Class 56 Rating, Add	*765.25*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.73	524.01
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*412.69*	
		For Class 55 Rating, Add	*618.43*	
		For Class 56 Rating, Add	*821.48*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,677.08	527.57
		For Class 52 Rating, Deduct	*-316.55*	
		For Class 54 Rating, Add	*441.25*	
		For Class 55 Rating, Add	*660.92*	
		For Class 56 Rating, Add	*877.70*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,872.41	531.14
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*469.81*	
		For Class 55 Rating, Add	*703.40*	
		For Class 56 Rating, Add	*933.93*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,067.76	534.70
		For Class 52 Rating, Deduct	*-358.34*	
		For Class 54 Rating, Add	*498.36*	
		For Class 55 Rating, Add	*745.89*	
		For Class 56 Rating, Add	*990.16*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,263.10	538.27
		For Class 52 Rating, Deduct	*-379.23*	
		For Class 54 Rating, Add	*526.92*	
		For Class 55 Rating, Add	*788.37*	
		For Class 56 Rating, Add	*1,046.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,458.44	541.84
		For Class 52 Rating, Deduct	*-400.12*	
		For Class 54 Rating, Add	*555.47*	
		For Class 55 Rating, Add	*830.86*	
		For Class 56 Rating, Add	*1,102.61*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,653.79	545.40
		For Class 52 Rating, Deduct	*-421.02*	
		For Class 54 Rating, Add	*584.03*	
		For Class 55 Rating, Add	*873.35*	
		For Class 56 Rating, Add	*1,158.84*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,849.12	548.96
		For Class 52 Rating, Deduct	*-441.91*	
		For Class 54 Rating, Add	*612.59*	
		For Class 55 Rating, Add	*915.83*	
		For Class 56 Rating, Add	*1,215.06*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,044.47	552.53
		For Class 52 Rating, Deduct	*-462.80*	
		For Class 54 Rating, Add	*641.14*	
		For Class 55 Rating, Add	*958.32*	
		For Class 56 Rating, Add	*1,271.29*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,239.80	556.09
		For Class 52 Rating, Deduct	*-483.70*	
		For Class 54 Rating, Add	*669.70*	
		For Class 55 Rating, Add	*1,000.81*	
		For Class 56 Rating, Add	*1,327.52*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,435.15	559.65
		For Class 52 Rating, Deduct	*-504.59*	
		For Class 54 Rating, Add	*698.25*	
		For Class 55 Rating, Add	*1,043.29*	
		For Class 56 Rating, Add	*1,383.75*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,630.50	563.22
		For Class 52 Rating, Deduct	*-525.48*	
		For Class 54 Rating, Add	*726.81*	
		For Class 55 Rating, Add	*1,085.78*	
		For Class 56 Rating, Add	*1,439.97*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,825.84	566.79
		For Class 52 Rating, Deduct	*-546.38*	
		For Class 54 Rating, Add	*755.37*	
		For Class 55 Rating, Add	*1,128.27*	
		For Class 56 Rating, Add	*1,496.20*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,021.18	570.35
		For Class 52 Rating, Deduct	*-567.27*	
		For Class 54 Rating, Add	*783.92*	
		For Class 55 Rating, Add	*1,170.75*	
		For Class 56 Rating, Add	*1,552.43*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,216.52	573.92
		For Class 52 Rating, Deduct	*-588.16*	
		For Class 54 Rating, Add	*812.48*	
		For Class 55 Rating, Add	*1,213.24*	
		For Class 56 Rating, Add	*1,608.65*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,411.86	577.48
		For Class 52 Rating, Deduct	*-609.06*	
		For Class 54 Rating, Add	*841.03*	
		For Class 55 Rating, Add	*1,255.73*	
		For Class 56 Rating, Add	*1,664.88*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,607.20	581.05
		For Class 52 Rating, Deduct	*-629.95*	
		For Class 54 Rating, Add	*869.59*	
		For Class 55 Rating, Add	*1,298.21*	
		For Class 56 Rating, Add	*1,721.11*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,802.54	584.61
		For Class 52 Rating, Deduct	*-650.84*	
		For Class 54 Rating, Add	*898.14*	
		For Class 55 Rating, Add	*1,340.70*	
		For Class 56 Rating, Add	*1,777.33*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,997.89	588.17
		For Class 52 Rating, Deduct	*-671.74*	
		For Class 54 Rating, Add	*926.70*	
		For Class 55 Rating, Add	*1,383.18*	
		For Class 56 Rating, Add	*1,833.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,193.22	591.74
		For Class 52 Rating, Deduct	*-692.63*	
		For Class 54 Rating, Add	*955.26*	
		For Class 55 Rating, Add	*1,425.67*	
		For Class 56 Rating, Add	*1,889.79*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,388.57	595.31
		For Class 52 Rating, Deduct	*-713.52*	
		For Class 54 Rating, Add	*983.81*	
		For Class 55 Rating, Add	*1,468.16*	
		For Class 56 Rating, Add	*1,946.02*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,583.90	598.87
		For Class 52 Rating, Deduct	*-734.42*	
		For Class 54 Rating, Add	*1,012.37*	
		For Class 55 Rating, Add	*1,510.64*	
		For Class 56 Rating, Add	*2,002.24*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,779.25	602.44
		For Class 52 Rating, Deduct	*-755.31*	
		For Class 54 Rating, Add	*1,040.92*	
		For Class 55 Rating, Add	*1,553.13*	
		For Class 56 Rating, Add	*2,058.47*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,974.59	606.00
		For Class 52 Rating, Deduct	*-776.21*	
		For Class 54 Rating, Add	*1,069.48*	
		For Class 55 Rating, Add	*1,595.62*	
		For Class 56 Rating, Add	*2,114.70*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,169.93	609.56
		For Class 52 Rating, Deduct	*-797.10*	
		For Class 54 Rating, Add	*1,098.04*	
		For Class 55 Rating, Add	*1,638.10*	
		For Class 56 Rating, Add	*2,170.92*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,365.27	613.13
		For Class 52 Rating, Deduct	*-817.99*	
		For Class 54 Rating, Add	*1,126.59*	
		For Class 55 Rating, Add	*1,680.59*	
		For Class 56 Rating, Add	*2,227.15*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,560.61	616.69
		For Class 52 Rating, Deduct	*-838.89*	
		For Class 54 Rating, Add	*1,155.15*	
		For Class 55 Rating, Add	*1,723.07*	
		For Class 56 Rating, Add	*2,283.38*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,755.95	620.25
		For Class 52 Rating, Deduct	*-859.78*	
		For Class 54 Rating, Add	*1,183.70*	
		For Class 55 Rating, Add	*1,765.56*	
		For Class 56 Rating, Add	*2,339.60*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,951.30	623.83
		For Class 52 Rating, Deduct	*-880.67*	
		For Class 54 Rating, Add	*1,212.26*	
		For Class 55 Rating, Add	*1,808.05*	
		For Class 56 Rating, Add	*2,395.83*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,146.64	627.39
		For Class 52 Rating, Deduct	*-901.57*	
		For Class 54 Rating, Add	*1,240.81*	
		For Class 55 Rating, Add	*1,850.53*	
		For Class 56 Rating, Add	*2,452.06*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,341.98	630.95
		For Class 52 Rating, Deduct	*-922.46*	
		For Class 54 Rating, Add	*1,269.37*	
		For Class 55 Rating, Add	*1,893.02*	
		For Class 56 Rating, Add	*2,508.28*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,537.32	634.52
		For Class 52 Rating, Deduct	*-943.35*	
		For Class 54 Rating, Add	*1,297.93*	
		For Class 55 Rating, Add	*1,935.51*	
		For Class 56 Rating, Add	*2,564.51*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,936.87	598.87
		For Class 52 Rating, Deduct	*-223.25*	
		For Class 54 Rating, Add	*315.31*	
		For Class 55 Rating, Add	*474.36*	
		For Class 56 Rating, Add	*631.37*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,173.85	602.44
		For Class 52 Rating, Deduct	*-248.72*	
		For Class 54 Rating, Add	*350.11*	
		For Class 55 Rating, Add	*526.13*	
		For Class 56 Rating, Add	*699.88*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.82	606.00
		For Class 52 Rating, Deduct	*-274.19*	
		For Class 54 Rating, Add	*384.91*	
		For Class 55 Rating, Add	*577.90*	
		For Class 56 Rating, Add	*768.38*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,647.79	609.56
		For Class 52 Rating, Deduct	*-299.66*	
		For Class 54 Rating, Add	*419.71*	
		For Class 55 Rating, Add	*629.66*	
		For Class 56 Rating, Add	*836.89*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,884.76	613.13
		For Class 52 Rating, Deduct	*-325.14*	
		For Class 54 Rating, Add	*454.51*	
		For Class 55 Rating, Add	*681.43*	
		For Class 56 Rating, Add	*905.40*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,121.73	616.69
		For Class 52 Rating, Deduct	*-350.61*	
		For Class 54 Rating, Add	*489.32*	
		For Class 55 Rating, Add	*733.20*	
		For Class 56 Rating, Add	*973.91*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,358.70	620.25
		For Class 52 Rating, Deduct	*-376.08*	
		For Class 54 Rating, Add	*524.12*	
		For Class 55 Rating, Add	*784.97*	
		For Class 56 Rating, Add	*1,042.41*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,595.68	623.83
		For Class 52 Rating, Deduct	*-401.55*	
		For Class 54 Rating, Add	*558.92*	
		For Class 55 Rating, Add	*836.74*	
		For Class 56 Rating, Add	*1,110.92*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,832.65	627.39
		For Class 52 Rating, Deduct	*-427.03*	
		For Class 54 Rating, Add	*593.72*	
		For Class 55 Rating, Add	*888.51*	
		For Class 56 Rating, Add	*1,179.43*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,069.63	630.95
		For Class 52 Rating, Deduct	*-452.50*	
		For Class 54 Rating, Add	*628.52*	
		For Class 55 Rating, Add	*940.29*	
		For Class 56 Rating, Add	*1,247.94*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,306.60	634.52
		For Class 52 Rating, Deduct	*-477.97*	
		For Class 54 Rating, Add	*663.32*	
		For Class 55 Rating, Add	*992.06*	
		For Class 56 Rating, Add	*1,316.45*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,543.57	638.08
		For Class 52 Rating, Deduct	*-503.45*	
		For Class 54 Rating, Add	*698.12*	
		For Class 55 Rating, Add	*1,043.82*	
		For Class 56 Rating, Add	*1,384.95*	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,780.54	641.64
		For Class 52 Rating, Deduct	*-528.92*	
		For Class 54 Rating, Add	*732.92*	
		For Class 55 Rating, Add	*1,095.59*	
		For Class 56 Rating, Add	*1,453.46*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,017.51	645.21
		For Class 52 Rating, Deduct	*-554.39*	
		For Class 54 Rating, Add	*767.72*	
		For Class 55 Rating, Add	*1,147.36*	
		For Class 56 Rating, Add	*1,521.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,254.49	648.77
		For Class 52 Rating, Deduct	*-579.86*	
		For Class 54 Rating, Add	*802.52*	
		For Class 55 Rating, Add	*1,199.13*	
		For Class 56 Rating, Add	*1,590.48*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,491.45	652.34
		For Class 52 Rating, Deduct	*-605.34*	
		For Class 54 Rating, Add	*837.32*	
		For Class 55 Rating, Add	*1,250.90*	
		For Class 56 Rating, Add	*1,658.98*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,728.43	655.91
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*872.12*	
		For Class 55 Rating, Add	*1,302.67*	
		For Class 56 Rating, Add	*1,727.49*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,965.39	659.47
		For Class 52 Rating, Deduct	*-656.28*	
		For Class 54 Rating, Add	*906.92*	
		For Class 55 Rating, Add	*1,354.44*	
		For Class 56 Rating, Add	*1,796.00*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,202.37	663.03
		For Class 52 Rating, Deduct	*-681.75*	
		For Class 54 Rating, Add	*941.72*	
		For Class 55 Rating, Add	*1,406.21*	
		For Class 56 Rating, Add	*1,864.51*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,439.34	666.60
		For Class 52 Rating, Deduct	*-707.23*	
		For Class 54 Rating, Add	*976.52*	
		For Class 55 Rating, Add	*1,457.98*	
		For Class 56 Rating, Add	*1,933.02*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,676.32	670.16
		For Class 52 Rating, Deduct	*-732.70*	
		For Class 54 Rating, Add	*1,011.32*	
		For Class 55 Rating, Add	*1,509.75*	
		For Class 56 Rating, Add	*2,001.53*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,913.29	673.73
		For Class 52 Rating, Deduct	*-758.17*	
		For Class 54 Rating, Add	*1,046.12*	
		For Class 55 Rating, Add	*1,561.52*	
		For Class 56 Rating, Add	*2,070.03*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,150.26	677.29
		For Class 52 Rating, Deduct	*-783.65*	
		For Class 54 Rating, Add	*1,080.92*	
		For Class 55 Rating, Add	*1,613.29*	
		For Class 56 Rating, Add	*2,138.54*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,387.23	680.86
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,115.72*	
		For Class 55 Rating, Add	*1,665.06*	
		For Class 56 Rating, Add	*2,207.05*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,624.20	684.43
		For Class 52 Rating, Deduct	*-834.59*	
		For Class 54 Rating, Add	*1,150.52*	
		For Class 55 Rating, Add	*1,716.83*	
		For Class 56 Rating, Add	*2,275.56*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,861.17	687.99
		For Class 52 Rating, Deduct	*-860.06*	
		For Class 54 Rating, Add	*1,185.32*	
		For Class 55 Rating, Add	*1,768.60*	
		For Class 56 Rating, Add	*2,344.06*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,098.15	691.55
		For Class 52 Rating, Deduct	*-885.54*	
		For Class 54 Rating, Add	*1,220.12*	
		For Class 55 Rating, Add	*1,820.37*	
		For Class 56 Rating, Add	*2,412.57*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,335.11	695.12
		For Class 52 Rating, Deduct	*-911.01*	
		For Class 54 Rating, Add	*1,254.92*	
		For Class 55 Rating, Add	*1,872.14*	
		For Class 56 Rating, Add	*2,481.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,572.09	698.68
		For Class 52 Rating, Deduct	*-936.48*	
		For Class 54 Rating, Add	*1,289.73*	
		For Class 55 Rating, Add	*1,923.91*	
		For Class 56 Rating, Add	*2,549.59*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,809.05	702.24
		For Class 52 Rating, Deduct	*-961.96*	
		For Class 54 Rating, Add	*1,324.53*	
		For Class 55 Rating, Add	*1,975.68*	
		For Class 56 Rating, Add	*2,618.09*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,046.03	705.81
		For Class 52 Rating, Deduct	*-987.43*	
		For Class 54 Rating, Add	*1,359.33*	
		For Class 55 Rating, Add	*2,027.45*	
		For Class 56 Rating, Add	*2,686.60*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,283.00	709.38
		For Class 52 Rating, Deduct	*-1,012.90*	
		For Class 54 Rating, Add	*1,394.13*	
		For Class 55 Rating, Add	*2,079.22*	
		For Class 56 Rating, Add	*2,755.11*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,519.98	712.94
		For Class 52 Rating, Deduct	*-1,038.37*	
		For Class 54 Rating, Add	*1,428.93*	
		For Class 55 Rating, Add	*2,130.99*	
		For Class 56 Rating, Add	*2,823.62*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,756.96	716.51
		For Class 52 Rating, Deduct	*-1,063.85*	
		For Class 54 Rating, Add	*1,463.73*	
		For Class 55 Rating, Add	*2,182.76*	
		For Class 56 Rating, Add	*2,892.13*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,993.92	720.07
		For Class 52 Rating, Deduct	*-1,089.32*	
		For Class 54 Rating, Add	*1,498.53*	
		For Class 55 Rating, Add	*2,234.53*	
		For Class 56 Rating, Add	*2,960.63*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,230.90	723.63
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*1,533.33*	
		For Class 55 Rating, Add	*2,286.30*	
		For Class 56 Rating, Add	*3,029.14*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,467.87	727.20
		For Class 52 Rating, Deduct	*-1,140.27*	
		For Class 54 Rating, Add	*1,568.13*	
		For Class 55 Rating, Add	*2,338.07*	
		For Class 56 Rating, Add	*3,097.65*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,704.84	730.76
		For Class 52 Rating, Deduct	*-1,165.74*	
		For Class 54 Rating, Add	*1,602.93*	
		For Class 55 Rating, Add	*2,389.84*	
		For Class 56 Rating, Add	*3,166.16*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.57	684.43
		For Class 52 Rating, Deduct	*-264.17*	
		For Class 54 Rating, Add	*372.68*	
		For Class 55 Rating, Add	*560.44*	
		For Class 56 Rating, Add	*745.80*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,714.57	687.99
		For Class 52 Rating, Deduct	*-293.94*	
		For Class 54 Rating, Add	*413.33*	
		For Class 55 Rating, Add	*620.91*	
		For Class 56 Rating, Add	*825.82*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,990.58	691.55
		For Class 52 Rating, Deduct	*-323.70*	
		For Class 54 Rating, Add	*453.99*	
		For Class 55 Rating, Add	*681.39*	
		For Class 56 Rating, Add	*905.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,266.57	695.12
		For Class 52 Rating, Deduct	*-353.47*	
		For Class 54 Rating, Add	*494.64*	
		For Class 55 Rating, Add	*741.86*	
		For Class 56 Rating, Add	*985.86*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,542.58	698.68
		For Class 52 Rating, Deduct	*-383.24*	
		For Class 54 Rating, Add	*535.30*	
		For Class 55 Rating, Add	*802.33*	
		For Class 56 Rating, Add	*1,065.88*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,818.57	702.24
		For Class 52 Rating, Deduct	*-413.00*	
		For Class 54 Rating, Add	*575.95*	
		For Class 55 Rating, Add	*862.81*	
		For Class 56 Rating, Add	*1,145.90*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,094.58	705.81
		For Class 52 Rating, Deduct	*-442.77*	
		For Class 54 Rating, Add	*616.61*	
		For Class 55 Rating, Add	*923.28*	
		For Class 56 Rating, Add	*1,225.92*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,370.58	709.38
		For Class 52 Rating, Deduct	*-472.53*	
		For Class 54 Rating, Add	*657.26*	
		For Class 55 Rating, Add	*983.75*	
		For Class 56 Rating, Add	*1,305.95*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,646.58	712.94
		For Class 52 Rating, Deduct	*-502.30*	
		For Class 54 Rating, Add	*697.92*	
		For Class 55 Rating, Add	*1,044.23*	
		For Class 56 Rating, Add	*1,385.97*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,896.57	716.51
		For Class 52 Rating, Deduct	*-529.20*	
		For Class 54 Rating, Add	*734.67*	
		For Class 55 Rating, Add	*1,098.90*	
		For Class 56 Rating, Add	*1,458.31*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,198.58	720.07
		For Class 52 Rating, Deduct	*-561.83*	
		For Class 54 Rating, Add	*779.23*	
		For Class 55 Rating, Add	*1,165.17*	
		For Class 56 Rating, Add	*1,546.01*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,474.59	723.63
		For Class 52 Rating, Deduct	*-591.60*	
		For Class 54 Rating, Add	*819.88*	
		For Class 55 Rating, Add	*1,225.65*	
		For Class 56 Rating, Add	*1,626.03*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,750.59	727.20
		For Class 52 Rating, Deduct	*-621.36*	
		For Class 54 Rating, Add	*860.54*	
		For Class 55 Rating, Add	*1,286.12*	
		For Class 56 Rating, Add	*1,706.05*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,026.59	730.76
		For Class 52 Rating, Deduct	*-651.13*	
		For Class 54 Rating, Add	*901.19*	
		For Class 55 Rating, Add	*1,346.59*	
		For Class 56 Rating, Add	*1,786.07*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,302.59	734.32
		For Class 52 Rating, Deduct	*-680.90*	
		For Class 54 Rating, Add	*941.85*	
		For Class 55 Rating, Add	*1,407.07*	
		For Class 56 Rating, Add	*1,866.10*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,578.59	737.89
		For Class 52 Rating, Deduct	*-710.66*	
		For Class 54 Rating, Add	*982.50*	
		For Class 55 Rating, Add	*1,467.54*	
		For Class 56 Rating, Add	*1,946.12*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,854.59	741.46
		For Class 52 Rating, Deduct	*-740.43*	
		For Class 54 Rating, Add	*1,023.16*	
		For Class 55 Rating, Add	*1,528.01*	
		For Class 56 Rating, Add	*2,026.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,130.59	745.02
		For Class 52 Rating, Deduct	*-770.19*	
		For Class 54 Rating, Add	*1,063.81*	
		For Class 55 Rating, Add	*1,588.49*	
		For Class 56 Rating, Add	*2,106.16*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,406.59	748.59
		For Class 52 Rating, Deduct	*-799.96*	
		For Class 54 Rating, Add	*1,104.47*	
		For Class 55 Rating, Add	*1,648.96*	
		For Class 56 Rating, Add	*2,186.18*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,682.60	752.15
		For Class 52 Rating, Deduct	*-829.73*	
		For Class 54 Rating, Add	*1,145.12*	
		For Class 55 Rating, Add	*1,709.43*	
		For Class 56 Rating, Add	*2,266.20*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,958.59	755.71
		For Class 52 Rating, Deduct	*-859.49*	
		For Class 54 Rating, Add	*1,185.78*	
		For Class 55 Rating, Add	*1,769.91*	
		For Class 56 Rating, Add	*2,346.22*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,234.60	759.28
		For Class 52 Rating, Deduct	*-889.26*	
		For Class 54 Rating, Add	*1,226.43*	
		For Class 55 Rating, Add	*1,830.38*	
		For Class 56 Rating, Add	*2,426.25*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,510.59	762.84
		For Class 52 Rating, Deduct	*-919.02*	
		For Class 54 Rating, Add	*1,267.09*	
		For Class 55 Rating, Add	*1,890.85*	
		For Class 56 Rating, Add	*2,506.27*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,786.59	766.41
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,307.74*	
		For Class 55 Rating, Add	*1,951.32*	
		For Class 56 Rating, Add	*2,586.29*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,062.59	769.98
		For Class 52 Rating, Deduct	*-978.56*	
		For Class 54 Rating, Add	*1,348.39*	
		For Class 55 Rating, Add	*2,011.80*	
		For Class 56 Rating, Add	*2,666.31*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,338.59	773.54
		For Class 52 Rating, Deduct	*-1,008.32*	
		For Class 54 Rating, Add	*1,389.05*	
		For Class 55 Rating, Add	*2,072.27*	
		For Class 56 Rating, Add	*2,746.33*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,614.59	777.11
		For Class 52 Rating, Deduct	*-1,038.09*	
		For Class 54 Rating, Add	*1,429.70*	
		For Class 55 Rating, Add	*2,132.75*	
		For Class 56 Rating, Add	*2,826.35*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,890.59	780.67
		For Class 52 Rating, Deduct	*-1,067.85*	
		For Class 54 Rating, Add	*1,470.36*	
		For Class 55 Rating, Add	*2,193.22*	
		For Class 56 Rating, Add	*2,906.37*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,166.59	784.23
		For Class 52 Rating, Deduct	*-1,097.62*	
		For Class 54 Rating, Add	*1,511.01*	
		For Class 55 Rating, Add	*2,253.69*	
		For Class 56 Rating, Add	*2,986.39*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,442.59	787.80
		For Class 52 Rating, Deduct	*-1,127.39*	
		For Class 54 Rating, Add	*1,551.67*	
		For Class 55 Rating, Add	*2,314.17*	
		For Class 56 Rating, Add	*3,066.41*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,718.59	791.36
		For Class 52 Rating, Deduct	*-1,157.15*	
		For Class 54 Rating, Add	*1,592.32*	
		For Class 55 Rating, Add	*2,374.64*	
		For Class 56 Rating, Add	*3,146.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,994.60	794.92
		For Class 52 Rating, Deduct	*-1,186.92*	
		For Class 54 Rating, Add	*1,632.98*	
		For Class 55 Rating, Add	*2,435.11*	
		For Class 56 Rating, Add	*3,226.46*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,270.59	798.50
		For Class 52 Rating, Deduct	*-1,216.68*	
		For Class 54 Rating, Add	*1,673.63*	
		For Class 55 Rating, Add	*2,495.59*	
		For Class 56 Rating, Add	*3,306.48*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,546.60	802.06
		For Class 52 Rating, Deduct	*-1,246.45*	
		For Class 54 Rating, Add	*1,714.29*	
		For Class 55 Rating, Add	*2,556.06*	
		For Class 56 Rating, Add	*3,386.50*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,822.60	805.62
		For Class 52 Rating, Deduct	*-1,276.22*	
		For Class 54 Rating, Add	*1,754.94*	
		For Class 55 Rating, Add	*2,616.53*	
		For Class 56 Rating, Add	*3,466.52*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,098.60	809.19
		For Class 52 Rating, Deduct	*-1,305.98*	
		For Class 54 Rating, Add	*1,795.60*	
		For Class 55 Rating, Add	*2,677.01*	
		For Class 56 Rating, Add	*3,546.54*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,374.61	812.75
		For Class 52 Rating, Deduct	*-1,335.75*	
		For Class 54 Rating, Add	*1,836.25*	
		For Class 55 Rating, Add	*2,737.48*	
		For Class 56 Rating, Add	*3,626.56*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,650.60	816.31
		For Class 52 Rating, Deduct	*-1,365.51*	
		For Class 54 Rating, Add	*1,876.91*	
		For Class 55 Rating, Add	*2,797.95*	
		For Class 56 Rating, Add	*3,706.59*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,017.89	771.41
		For Class 52 Rating, Deduct	*-313.40*	
		For Class 54 Rating, Add	*441.39*	
		For Class 55 Rating, Add	*663.40*	
		For Class 56 Rating, Add	*882.56*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,335.52	774.97
		For Class 52 Rating, Deduct	*-347.75*	
		For Class 54 Rating, Add	*488.29*	
		For Class 55 Rating, Add	*733.16*	
		For Class 56 Rating, Add	*974.86*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,653.15	778.54
		For Class 52 Rating, Deduct	*-382.09*	
		For Class 54 Rating, Add	*535.19*	
		For Class 55 Rating, Add	*802.91*	
		For Class 56 Rating, Add	*1,067.17*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,970.78	782.10
		For Class 52 Rating, Deduct	*-416.44*	
		For Class 54 Rating, Add	*582.09*	
		For Class 55 Rating, Add	*872.67*	
		For Class 56 Rating, Add	*1,159.47*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,288.42	785.66
		For Class 52 Rating, Deduct	*-450.78*	
		For Class 54 Rating, Add	*628.99*	
		For Class 55 Rating, Add	*942.43*	
		For Class 56 Rating, Add	*1,251.77*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,606.04	789.23
		For Class 52 Rating, Deduct	*-485.13*	
		For Class 54 Rating, Add	*675.89*	
		For Class 55 Rating, Add	*1,012.18*	
		For Class 56 Rating, Add	*1,344.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,923.68	792.79
		For Class 52 Rating, Deduct	*-519.47*	
		For Class 54 Rating, Add	*722.79*	
		For Class 55 Rating, Add	*1,081.94*	
		For Class 56 Rating, Add	*1,436.37*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,241.31	796.36
		For Class 52 Rating, Deduct	*-553.82*	
		For Class 54 Rating, Add	*769.69*	
		For Class 55 Rating, Add	*1,151.70*	
		For Class 56 Rating, Add	*1,528.68*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,558.95	799.93
		For Class 52 Rating, Deduct	*-588.16*	
		For Class 54 Rating, Add	*816.59*	
		For Class 55 Rating, Add	*1,221.46*	
		For Class 56 Rating, Add	*1,620.98*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,876.57	803.49
		For Class 52 Rating, Deduct	*-622.51*	
		For Class 54 Rating, Add	*863.49*	
		For Class 55 Rating, Add	*1,291.21*	
		For Class 56 Rating, Add	*1,713.28*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,194.21	807.05
		For Class 52 Rating, Deduct	*-656.86*	
		For Class 54 Rating, Add	*910.39*	
		For Class 55 Rating, Add	*1,360.97*	
		For Class 56 Rating, Add	*1,805.59*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,511.84	810.62
		For Class 52 Rating, Deduct	*-691.20*	
		For Class 54 Rating, Add	*957.28*	
		For Class 55 Rating, Add	*1,430.73*	
		For Class 56 Rating, Add	*1,897.89*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,829.47	814.18
		For Class 52 Rating, Deduct	*-725.55*	
		For Class 54 Rating, Add	*1,004.18*	
		For Class 55 Rating, Add	*1,500.49*	
		For Class 56 Rating, Add	*1,990.19*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,147.10	817.74
		For Class 52 Rating, Deduct	*-759.89*	
		For Class 54 Rating, Add	*1,051.08*	
		For Class 55 Rating, Add	*1,570.24*	
		For Class 56 Rating, Add	*2,082.49*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,464.73	821.31
		For Class 52 Rating, Deduct	*-794.24*	
		For Class 54 Rating, Add	*1,097.98*	
		For Class 55 Rating, Add	*1,640.00*	
		For Class 56 Rating, Add	*2,174.80*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,782.37	824.88
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,144.88*	
		For Class 55 Rating, Add	*1,709.76*	
		For Class 56 Rating, Add	*2,267.10*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,100.00	828.44
		For Class 52 Rating, Deduct	*-862.93*	
		For Class 54 Rating, Add	*1,191.78*	
		For Class 55 Rating, Add	*1,779.51*	
		For Class 56 Rating, Add	*2,359.40*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,417.63	832.01
		For Class 52 Rating, Deduct	*-897.27*	
		For Class 54 Rating, Add	*1,238.68*	
		For Class 55 Rating, Add	*1,849.27*	
		For Class 56 Rating, Add	*2,451.70*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,735.26	835.57
		For Class 52 Rating, Deduct	*-931.62*	
		For Class 54 Rating, Add	*1,285.58*	
		For Class 55 Rating, Add	*1,919.03*	
		For Class 56 Rating, Add	*2,544.01*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,052.89	839.13
		For Class 52 Rating, Deduct	*-965.96*	
		For Class 54 Rating, Add	*1,332.48*	
		For Class 55 Rating, Add	*1,988.78*	
		For Class 56 Rating, Add	*2,636.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,370.52	842.70
		For Class 52 Rating, Deduct	*-1,000.31*	
		For Class 54 Rating, Add	*1,379.38*	
		For Class 55 Rating, Add	*2,058.54*	
		For Class 56 Rating, Add	*2,728.61*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,688.15	846.26
		For Class 52 Rating, Deduct	*-1,034.65*	
		For Class 54 Rating, Add	*1,426.28*	
		For Class 55 Rating, Add	*2,128.30*	
		For Class 56 Rating, Add	*2,820.91*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,005.78	849.82
		For Class 52 Rating, Deduct	*-1,069.00*	
		For Class 54 Rating, Add	*1,473.18*	
		For Class 55 Rating, Add	*2,198.05*	
		For Class 56 Rating, Add	*2,913.21*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,323.42	853.40
		For Class 52 Rating, Deduct	*-1,103.34*	
		For Class 54 Rating, Add	*1,520.08*	
		For Class 55 Rating, Add	*2,267.81*	
		For Class 56 Rating, Add	*3,005.52*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,641.04	856.96
		For Class 52 Rating, Deduct	*-1,137.69*	
		For Class 54 Rating, Add	*1,566.98*	
		For Class 55 Rating, Add	*2,337.57*	
		For Class 56 Rating, Add	*3,097.82*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,958.68	860.53
		For Class 52 Rating, Deduct	*-1,172.03*	
		For Class 54 Rating, Add	*1,613.87*	
		For Class 55 Rating, Add	*2,407.33*	
		For Class 56 Rating, Add	*3,190.12*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,276.30	864.09
		For Class 52 Rating, Deduct	*-1,206.38*	
		For Class 54 Rating, Add	*1,660.77*	
		For Class 55 Rating, Add	*2,477.08*	
		For Class 56 Rating, Add	*3,282.42*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,593.94	867.65
		For Class 52 Rating, Deduct	*-1,240.73*	
		For Class 54 Rating, Add	*1,707.67*	
		For Class 55 Rating, Add	*2,546.84*	
		For Class 56 Rating, Add	*3,374.73*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,911.57	871.22
		For Class 52 Rating, Deduct	*-1,275.07*	
		For Class 54 Rating, Add	*1,754.57*	
		For Class 55 Rating, Add	*2,616.60*	
		For Class 56 Rating, Add	*3,467.03*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,229.20	874.78
		For Class 52 Rating, Deduct	*-1,309.42*	
		For Class 54 Rating, Add	*1,801.47*	
		For Class 55 Rating, Add	*2,686.35*	
		For Class 56 Rating, Add	*3,559.33*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,546.83	878.34
		For Class 52 Rating, Deduct	*-1,343.76*	
		For Class 54 Rating, Add	*1,848.37*	
		For Class 55 Rating, Add	*2,756.11*	
		For Class 56 Rating, Add	*3,651.63*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,864.46	881.92
		For Class 52 Rating, Deduct	*-1,378.11*	
		For Class 54 Rating, Add	*1,895.27*	
		For Class 55 Rating, Add	*2,825.87*	
		For Class 56 Rating, Add	*3,743.93*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,182.10	885.48
		For Class 52 Rating, Deduct	*-1,412.45*	
		For Class 54 Rating, Add	*1,942.17*	
		For Class 55 Rating, Add	*2,895.63*	
		For Class 56 Rating, Add	*3,836.24*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,499.73	889.04
		For Class 52 Rating, Deduct	*-1,446.80*	
		For Class 54 Rating, Add	*1,989.07*	
		For Class 55 Rating, Add	*2,965.38*	
		For Class 56 Rating, Add	*3,928.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,817.36	892.61
		For Class 52 Rating, Deduct	*-1,481.14*	
		For Class 54 Rating, Add	*2,035.97*	
		For Class 55 Rating, Add	*3,035.14*	
		For Class 56 Rating, Add	*4,020.84*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,135.00	896.17
		For Class 52 Rating, Deduct	*-1,515.49*	
		For Class 54 Rating, Add	*2,082.87*	
		For Class 55 Rating, Add	*3,104.90*	
		For Class 56 Rating, Add	*4,113.15*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,452.62	899.73
		For Class 52 Rating, Deduct	*-1,549.83*	
		For Class 54 Rating, Add	*2,129.77*	
		For Class 55 Rating, Add	*3,174.65*	
		For Class 56 Rating, Add	*4,205.45*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,770.26	903.30
		For Class 52 Rating, Deduct	*-1,584.18*	
		For Class 54 Rating, Add	*2,176.67*	
		For Class 55 Rating, Add	*3,244.41*	
		For Class 56 Rating, Add	*4,297.75*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,661.92	880.48
		For Class 52 Rating, Deduct	*-366.06*	
		For Class 54 Rating, Add	*515.19*	
		For Class 55 Rating, Add	*774.13*	
		For Class 56 Rating, Add	*1,029.74*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,026.38	884.05
		For Class 52 Rating, Deduct	*-405.56*	
		For Class 54 Rating, Add	*569.11*	
		For Class 55 Rating, Add	*854.33*	
		For Class 56 Rating, Add	*1,135.86*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,390.85	887.61
		For Class 52 Rating, Deduct	*-445.06*	
		For Class 54 Rating, Add	*623.04*	
		For Class 55 Rating, Add	*934.53*	
		For Class 56 Rating, Add	*1,241.98*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,755.31	891.18
		For Class 52 Rating, Deduct	*-484.56*	
		For Class 54 Rating, Add	*676.96*	
		For Class 55 Rating, Add	*1,014.73*	
		For Class 56 Rating, Add	*1,348.10*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,119.79	894.74
		For Class 52 Rating, Deduct	*-524.05*	
		For Class 54 Rating, Add	*730.89*	
		For Class 55 Rating, Add	*1,094.93*	
		For Class 56 Rating, Add	*1,454.22*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,484.25	898.30
		For Class 52 Rating, Deduct	*-563.55*	
		For Class 54 Rating, Add	*784.81*	
		For Class 55 Rating, Add	*1,175.13*	
		For Class 56 Rating, Add	*1,560.34*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,848.72	901.87
		For Class 52 Rating, Deduct	*-603.05*	
		For Class 54 Rating, Add	*838.74*	
		For Class 55 Rating, Add	*1,255.34*	
		For Class 56 Rating, Add	*1,666.46*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,213.18	905.43
		For Class 52 Rating, Deduct	*-642.54*	
		For Class 54 Rating, Add	*892.66*	
		For Class 55 Rating, Add	*1,335.54*	
		For Class 56 Rating, Add	*1,772.57*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,577.65	908.99
		For Class 52 Rating, Deduct	*-682.04*	
		For Class 54 Rating, Add	*946.58*	
		For Class 55 Rating, Add	*1,415.74*	
		For Class 56 Rating, Add	*1,878.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,942.11	912.57
		For Class 52 Rating, Deduct	*-721.54*	
		For Class 54 Rating, Add	*1,000.51*	
		For Class 55 Rating, Add	*1,495.94*	
		For Class 56 Rating, Add	*1,984.81*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,306.59	916.13
		For Class 52 Rating, Deduct	*-761.04*	
		For Class 54 Rating, Add	*1,054.43*	
		For Class 55 Rating, Add	*1,576.14*	
		For Class 56 Rating, Add	*2,090.93*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,671.04	919.69
		For Class 52 Rating, Deduct	*-800.53*	
		For Class 54 Rating, Add	*1,108.36*	
		For Class 55 Rating, Add	*1,656.34*	
		For Class 56 Rating, Add	*2,197.05*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,035.52	923.26
		For Class 52 Rating, Deduct	*-840.03*	
		For Class 54 Rating, Add	*1,162.28*	
		For Class 55 Rating, Add	*1,736.54*	
		For Class 56 Rating, Add	*2,303.17*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,399.97	926.82
		For Class 52 Rating, Deduct	*-879.53*	
		For Class 54 Rating, Add	*1,216.21*	
		For Class 55 Rating, Add	*1,816.74*	
		For Class 56 Rating, Add	*2,409.29*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,764.45	930.38
		For Class 52 Rating, Deduct	*-919.02*	
		For Class 54 Rating, Add	*1,270.13*	
		For Class 55 Rating, Add	*1,896.95*	
		For Class 56 Rating, Add	*2,515.41*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,128.90	933.95
		For Class 52 Rating, Deduct	*-958.52*	
		For Class 54 Rating, Add	*1,324.06*	
		For Class 55 Rating, Add	*1,977.15*	
		For Class 56 Rating, Add	*2,621.52*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,493.38	937.51
		For Class 52 Rating, Deduct	*-998.02*	
		For Class 54 Rating, Add	*1,377.98*	
		For Class 55 Rating, Add	*2,057.35*	
		For Class 56 Rating, Add	*2,727.64*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,857.84	941.09
		For Class 52 Rating, Deduct	*-1,037.52*	
		For Class 54 Rating, Add	*1,431.90*	
		For Class 55 Rating, Add	*2,137.55*	
		For Class 56 Rating, Add	*2,833.76*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,222.30	944.65
		For Class 52 Rating, Deduct	*-1,077.01*	
		For Class 54 Rating, Add	*1,485.83*	
		For Class 55 Rating, Add	*2,217.75*	
		For Class 56 Rating, Add	*2,939.88*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,586.77	948.21
		For Class 52 Rating, Deduct	*-1,116.51*	
		For Class 54 Rating, Add	*1,539.75*	
		For Class 55 Rating, Add	*2,297.95*	
		For Class 56 Rating, Add	*3,046.00*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,951.23	951.78
		For Class 52 Rating, Deduct	*-1,156.01*	
		For Class 54 Rating, Add	*1,593.68*	
		For Class 55 Rating, Add	*2,378.15*	
		For Class 56 Rating, Add	*3,152.11*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,315.70	955.34
		For Class 52 Rating, Deduct	*-1,195.50*	
		For Class 54 Rating, Add	*1,647.60*	
		For Class 55 Rating, Add	*2,458.35*	
		For Class 56 Rating, Add	*3,258.23*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,680.17	958.90
		For Class 52 Rating, Deduct	*-1,235.00*	
		For Class 54 Rating, Add	*1,701.53*	
		For Class 55 Rating, Add	*2,538.55*	
		For Class 56 Rating, Add	*3,364.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,044.63	962.47
		For Class 52 Rating, Deduct	*-1,274.50*	
		For Class 54 Rating, Add	*1,755.45*	
		For Class 55 Rating, Add	*2,618.75*	
		For Class 56 Rating, Add	*3,470.47*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,409.10	966.03
		For Class 52 Rating, Deduct	*-1,314.00*	
		For Class 54 Rating, Add	*1,809.38*	
		For Class 55 Rating, Add	*2,698.95*	
		For Class 56 Rating, Add	*3,576.59*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,773.56	969.60
		For Class 52 Rating, Deduct	*-1,353.49*	
		For Class 54 Rating, Add	*1,863.30*	
		For Class 55 Rating, Add	*2,779.16*	
		For Class 56 Rating, Add	*3,682.71*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,138.03	973.17
		For Class 52 Rating, Deduct	*-1,392.99*	
		For Class 54 Rating, Add	*1,917.22*	
		For Class 55 Rating, Add	*2,859.36*	
		For Class 56 Rating, Add	*3,788.83*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,502.50	976.73
		For Class 52 Rating, Deduct	*-1,432.49*	
		For Class 54 Rating, Add	*1,971.15*	
		For Class 55 Rating, Add	*2,939.56*	
		For Class 56 Rating, Add	*3,894.95*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,866.96	980.29
		For Class 52 Rating, Deduct	*-1,471.98*	
		For Class 54 Rating, Add	*2,025.07*	
		For Class 55 Rating, Add	*3,019.76*	
		For Class 56 Rating, Add	*4,001.06*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,231.44	983.86
		For Class 52 Rating, Deduct	*-1,511.48*	
		For Class 54 Rating, Add	*2,079.00*	
		For Class 55 Rating, Add	*3,099.96*	
		For Class 56 Rating, Add	*4,107.18*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,595.89	987.42
		For Class 52 Rating, Deduct	*-1,550.98*	
		For Class 54 Rating, Add	*2,132.92*	
		For Class 55 Rating, Add	*3,180.16*	
		For Class 56 Rating, Add	*4,213.30*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,960.37	990.98
		For Class 52 Rating, Deduct	*-1,590.48*	
		For Class 54 Rating, Add	*2,186.85*	
		For Class 55 Rating, Add	*3,260.36*	
		For Class 56 Rating, Add	*4,319.42*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,324.82	994.55
		For Class 52 Rating, Deduct	*-1,629.97*	
		For Class 54 Rating, Add	*2,240.77*	
		For Class 55 Rating, Add	*3,340.56*	
		For Class 56 Rating, Add	*4,425.54*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,689.30	998.11
		For Class 52 Rating, Deduct	*-1,669.47*	
		For Class 54 Rating, Add	*2,294.70*	
		For Class 55 Rating, Add	*3,420.77*	
		For Class 56 Rating, Add	*4,531.66*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,053.76	1,001.68
		For Class 52 Rating, Deduct	*-1,708.97*	
		For Class 54 Rating, Add	*2,348.62*	
		For Class 55 Rating, Add	*3,500.97*	
		For Class 56 Rating, Add	*4,637.77*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,418.23	1,005.25
		For Class 52 Rating, Deduct	*-1,748.46*	
		For Class 54 Rating, Add	*2,402.55*	
		For Class 55 Rating, Add	*3,581.17*	
		For Class 56 Rating, Add	*4,743.89*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,782.69	1,008.81
		For Class 52 Rating, Deduct	*-1,787.96*	
		For Class 54 Rating, Add	*2,456.47*	
		For Class 55 Rating, Add	*3,661.37*	
		For Class 56 Rating, Add	*4,850.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,147.16	1,012.37
		For Class 52 Rating, Deduct	*-1,827.46*	
		For Class 54 Rating, Add	*2,510.40*	
		For Class 55 Rating, Add	*3,741.57*	
		For Class 56 Rating, Add	*4,956.13*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,781.81	1,040.89
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*649.63*	
		For Class 55 Rating, Add	*975.50*	
		For Class 56 Rating, Add	*1,297.16*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,232.14	1,044.46
		For Class 52 Rating, Deduct	*-511.46*	
		For Class 54 Rating, Add	*716.43*	
		For Class 55 Rating, Add	*1,074.85*	
		For Class 56 Rating, Add	*1,428.61*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,682.47	1,048.02
		For Class 52 Rating, Deduct	*-560.40*	
		For Class 54 Rating, Add	*783.24*	
		For Class 55 Rating, Add	*1,174.20*	
		For Class 56 Rating, Add	*1,560.06*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,132.80	1,051.58
		For Class 52 Rating, Deduct	*-609.34*	
		For Class 54 Rating, Add	*850.04*	
		For Class 55 Rating, Add	*1,273.55*	
		For Class 56 Rating, Add	*1,691.51*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,583.13	1,055.15
		For Class 52 Rating, Deduct	*-658.29*	
		For Class 54 Rating, Add	*916.85*	
		For Class 55 Rating, Add	*1,372.89*	
		For Class 56 Rating, Add	*1,822.96*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,033.45	1,058.72
		For Class 52 Rating, Deduct	*-707.23*	
		For Class 54 Rating, Add	*983.65*	
		For Class 55 Rating, Add	*1,472.24*	
		For Class 56 Rating, Add	*1,954.40*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,483.79	1,062.28
		For Class 52 Rating, Deduct	*-756.17*	
		For Class 54 Rating, Add	*1,050.45*	
		For Class 55 Rating, Add	*1,571.59*	
		For Class 56 Rating, Add	*2,085.85*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,934.11	1,065.85
		For Class 52 Rating, Deduct	*-805.11*	
		For Class 54 Rating, Add	*1,117.26*	
		For Class 55 Rating, Add	*1,670.94*	
		For Class 56 Rating, Add	*2,217.30*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,384.45	1,069.41
		For Class 52 Rating, Deduct	*-854.05*	
		For Class 54 Rating, Add	*1,184.06*	
		For Class 55 Rating, Add	*1,770.29*	
		For Class 56 Rating, Add	*2,348.75*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,834.78	1,072.97
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*1,250.87*	
		For Class 55 Rating, Add	*1,869.64*	
		For Class 56 Rating, Add	*2,480.20*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,285.11	1,076.54
		For Class 52 Rating, Deduct	*-951.94*	
		For Class 54 Rating, Add	*1,317.67*	
		For Class 55 Rating, Add	*1,968.99*	
		For Class 56 Rating, Add	*2,611.65*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,735.44	1,080.10
		For Class 52 Rating, Deduct	*-1,000.88*	
		For Class 54 Rating, Add	*1,384.47*	
		For Class 55 Rating, Add	*2,068.33*	
		For Class 56 Rating, Add	*2,743.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,185.76	1,083.66
		For Class 52 Rating, Deduct	*-1,049.82*	
		For Class 54 Rating, Add	*1,451.28*	
		For Class 55 Rating, Add	*2,167.68*	
		For Class 56 Rating, Add	*2,874.54*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,636.10	1,087.24
		For Class 52 Rating, Deduct	*-1,098.76*	
		For Class 54 Rating, Add	*1,518.08*	
		For Class 55 Rating, Add	*2,267.03*	
		For Class 56 Rating, Add	*3,005.99*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,086.42	1,090.80
		For Class 52 Rating, Deduct	*-1,147.71*	
		For Class 54 Rating, Add	*1,584.89*	
		For Class 55 Rating, Add	*2,366.38*	
		For Class 56 Rating, Add	*3,137.44*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,536.76	1,094.36
		For Class 52 Rating, Deduct	*-1,196.65*	
		For Class 54 Rating, Add	*1,651.69*	
		For Class 55 Rating, Add	*2,465.73*	
		For Class 56 Rating, Add	*3,268.89*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,987.08	1,097.93
		For Class 52 Rating, Deduct	*-1,245.59*	
		For Class 54 Rating, Add	*1,718.50*	
		For Class 55 Rating, Add	*2,565.08*	
		For Class 56 Rating, Add	*3,400.34*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,437.41	1,101.49
		For Class 52 Rating, Deduct	*-1,294.53*	
		For Class 54 Rating, Add	*1,785.30*	
		For Class 55 Rating, Add	*2,664.43*	
		For Class 56 Rating, Add	*3,531.78*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,887.74	1,105.05
		For Class 52 Rating, Deduct	*-1,343.48*	
		For Class 54 Rating, Add	*1,852.10*	
		For Class 55 Rating, Add	*2,763.77*	
		For Class 56 Rating, Add	*3,663.23*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,338.07	1,108.62
		For Class 52 Rating, Deduct	*-1,392.42*	
		For Class 54 Rating, Add	*1,918.91*	
		For Class 55 Rating, Add	*2,863.12*	
		For Class 56 Rating, Add	*3,794.68*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,788.40	1,112.18
		For Class 52 Rating, Deduct	*-1,441.36*	
		For Class 54 Rating, Add	*1,985.71*	
		For Class 55 Rating, Add	*2,962.47*	
		For Class 56 Rating, Add	*3,926.13*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,238.73	1,115.75
		For Class 52 Rating, Deduct	*-1,490.30*	
		For Class 54 Rating, Add	*2,052.52*	
		For Class 55 Rating, Add	*3,061.82*	
		For Class 56 Rating, Add	*4,057.58*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,689.06	1,119.32
		For Class 52 Rating, Deduct	*-1,539.24*	
		For Class 54 Rating, Add	*2,119.32*	
		For Class 55 Rating, Add	*3,161.17*	
		For Class 56 Rating, Add	*4,189.03*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,139.39	1,122.88
		For Class 52 Rating, Deduct	*-1,588.19*	
		For Class 54 Rating, Add	*2,186.12*	
		For Class 55 Rating, Add	*3,260.52*	
		For Class 56 Rating, Add	*4,320.47*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,589.71	1,126.45
		For Class 52 Rating, Deduct	*-1,637.13*	
		For Class 54 Rating, Add	*2,252.93*	
		For Class 55 Rating, Add	*3,359.87*	
		For Class 56 Rating, Add	*4,451.92*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,040.05	1,130.01
		For Class 52 Rating, Deduct	*-1,686.07*	
		For Class 54 Rating, Add	*2,319.73*	
		For Class 55 Rating, Add	*3,459.22*	
		For Class 56 Rating, Add	*4,583.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,490.37	1,133.57
		For Class 52 Rating, Deduct	*-1,735.01*	
		For Class 54 Rating, Add	*2,386.54*	
		For Class 55 Rating, Add	*3,558.56*	
		For Class 56 Rating, Add	*4,714.82*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,940.71	1,137.14
		For Class 52 Rating, Deduct	*-1,783.95*	
		For Class 54 Rating, Add	*2,453.34*	
		For Class 55 Rating, Add	*3,657.91*	
		For Class 56 Rating, Add	*4,846.27*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,391.03	1,140.70
		For Class 52 Rating, Deduct	*-1,832.90*	
		For Class 54 Rating, Add	*2,520.14*	
		For Class 55 Rating, Add	*3,757.26*	
		For Class 56 Rating, Add	*4,977.72*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,933.18	1,204.87
		For Class 52 Rating, Deduct	*-1,881.84*	
		For Class 54 Rating, Add	*2,588.05*	
		For Class 55 Rating, Add	*3,858.81*	
		For Class 56 Rating, Add	*5,112.47*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,383.51	1,208.44
		For Class 52 Rating, Deduct	*-1,930.78*	
		For Class 54 Rating, Add	*2,654.85*	
		For Class 55 Rating, Add	*3,958.16*	
		For Class 56 Rating, Add	*5,243.92*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,833.84	1,212.00
		For Class 52 Rating, Deduct	*-1,979.72*	
		For Class 54 Rating, Add	*2,721.66*	
		For Class 55 Rating, Add	*4,057.51*	
		For Class 56 Rating, Add	*5,375.37*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,284.17	1,215.56
		For Class 52 Rating, Deduct	*-2,028.67*	
		For Class 54 Rating, Add	*2,788.46*	
		For Class 55 Rating, Add	*4,156.86*	
		For Class 56 Rating, Add	*5,506.81*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,734.50	1,219.13
		For Class 52 Rating, Deduct	*-2,077.61*	
		For Class 54 Rating, Add	*2,855.27*	
		For Class 55 Rating, Add	*4,256.21*	
		For Class 56 Rating, Add	*5,638.26*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,184.83	1,222.69
		For Class 52 Rating, Deduct	*-2,126.55*	
		For Class 54 Rating, Add	*2,922.07*	
		For Class 55 Rating, Add	*4,355.56*	
		For Class 56 Rating, Add	*5,769.71*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,635.16	1,226.25
		For Class 52 Rating, Deduct	*-2,175.49*	
		For Class 54 Rating, Add	*2,988.87*	
		For Class 55 Rating, Add	*4,454.90*	
		For Class 56 Rating, Add	*5,901.16*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,085.48	1,229.83
		For Class 52 Rating, Deduct	*-2,224.43*	
		For Class 54 Rating, Add	*3,055.68*	
		For Class 55 Rating, Add	*4,554.25*	
		For Class 56 Rating, Add	*6,032.61*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,535.82	1,233.39
		For Class 52 Rating, Deduct	*-2,273.38*	
		For Class 54 Rating, Add	*3,122.48*	
		For Class 55 Rating, Add	*4,653.60*	
		For Class 56 Rating, Add	*6,164.06*	
40 05 19 00-0950		30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,938.18	1,468.66
		For Class 52 Rating, Deduct	*-738.42*	
		For Class 54 Rating, Add	*1,033.65*	
		For Class 55 Rating, Add	*1,550.39*	
		For Class 56 Rating, Add	*2,060.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,586.27	1,472.22
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,130.11*	
		For Class 55 Rating, Add	*1,693.84*	
		For Class 56 Rating, Add	*2,250.21*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,234.34	1,475.79
		For Class 52 Rating, Deduct	*-879.81*	
		For Class 54 Rating, Add	*1,226.58*	
		For Class 55 Rating, Add	*1,837.29*	
		For Class 56 Rating, Add	*2,440.00*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,882.42	1,479.35
		For Class 52 Rating, Deduct	*-950.51*	
		For Class 54 Rating, Add	*1,323.04*	
		For Class 55 Rating, Add	*1,980.73*	
		For Class 56 Rating, Add	*2,629.78*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,530.49	1,482.91
		For Class 52 Rating, Deduct	*-1,021.20*	
		For Class 54 Rating, Add	*1,419.51*	
		For Class 55 Rating, Add	*2,124.18*	
		For Class 56 Rating, Add	*2,819.56*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,178.56	1,486.48
		For Class 52 Rating, Deduct	*-1,091.90*	
		For Class 54 Rating, Add	*1,515.97*	
		For Class 55 Rating, Add	*2,267.62*	
		For Class 56 Rating, Add	*3,009.35*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,826.64	1,490.05
		For Class 52 Rating, Deduct	*-1,162.59*	
		For Class 54 Rating, Add	*1,612.44*	
		For Class 55 Rating, Add	*2,411.07*	
		For Class 56 Rating, Add	*3,199.13*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,474.71	1,493.61
		For Class 52 Rating, Deduct	*-1,233.28*	
		For Class 54 Rating, Add	*1,708.91*	
		For Class 55 Rating, Add	*2,554.52*	
		For Class 56 Rating, Add	*3,388.91*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,122.79	1,497.18
		For Class 52 Rating, Deduct	*-1,303.98*	
		For Class 54 Rating, Add	*1,805.37*	
		For Class 55 Rating, Add	*2,697.96*	
		For Class 56 Rating, Add	*3,578.70*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,770.87	1,500.74
		For Class 52 Rating, Deduct	*-1,374.67*	
		For Class 54 Rating, Add	*1,901.84*	
		For Class 55 Rating, Add	*2,841.41*	
		For Class 56 Rating, Add	*3,768.48*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,418.94	1,504.30
		For Class 52 Rating, Deduct	*-1,445.37*	
		For Class 54 Rating, Add	*1,998.31*	
		For Class 55 Rating, Add	*2,984.85*	
		For Class 56 Rating, Add	*3,958.26*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,067.02	1,507.87
		For Class 52 Rating, Deduct	*-1,516.06*	
		For Class 54 Rating, Add	*2,094.77*	
		For Class 55 Rating, Add	*3,128.30*	
		For Class 56 Rating, Add	*4,148.05*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,715.08	1,511.43
		For Class 52 Rating, Deduct	*-1,586.75*	
		For Class 54 Rating, Add	*2,191.24*	
		For Class 55 Rating, Add	*3,271.74*	
		For Class 56 Rating, Add	*4,337.83*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,363.17	1,514.99
		For Class 52 Rating, Deduct	*-1,657.45*	
		For Class 54 Rating, Add	*2,287.70*	
		For Class 55 Rating, Add	*3,415.19*	
		For Class 56 Rating, Add	*4,527.61*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,011.25	1,518.56
		For Class 52 Rating, Deduct	*-1,728.14*	
		For Class 54 Rating, Add	*2,384.17*	
		For Class 55 Rating, Add	*3,558.64*	
		For Class 56 Rating, Add	*4,717.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,659.32	1,522.13
		For Class 52 Rating, Deduct	*-1,798.84*	
		For Class 54 Rating, Add	*2,480.64*	
		For Class 55 Rating, Add	*3,702.08*	
		For Class 56 Rating, Add	*4,907.18*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,307.40	1,525.69
		For Class 52 Rating, Deduct	*-1,869.53*	
		For Class 54 Rating, Add	*2,577.10*	
		For Class 55 Rating, Add	*3,845.53*	
		For Class 56 Rating, Add	*5,096.96*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,955.47	1,529.26
		For Class 52 Rating, Deduct	*-1,940.23*	
		For Class 54 Rating, Add	*2,673.57*	
		For Class 55 Rating, Add	*3,988.98*	
		For Class 56 Rating, Add	*5,286.75*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,603.55	1,532.82
		For Class 52 Rating, Deduct	*-2,010.92*	
		For Class 54 Rating, Add	*2,770.03*	
		For Class 55 Rating, Add	*4,132.42*	
		For Class 56 Rating, Add	*5,476.53*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,251.61	1,536.38
		For Class 52 Rating, Deduct	*-2,081.61*	
		For Class 54 Rating, Add	*2,866.50*	
		For Class 55 Rating, Add	*4,275.87*	
		For Class 56 Rating, Add	*5,666.31*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,899.70	1,539.95
		For Class 52 Rating, Deduct	*-2,152.31*	
		For Class 54 Rating, Add	*2,962.97*	
		For Class 55 Rating, Add	*4,419.31*	
		For Class 56 Rating, Add	*5,856.10*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,547.77	1,543.51
		For Class 52 Rating, Deduct	*-2,223.00*	
		For Class 54 Rating, Add	*3,059.43*	
		For Class 55 Rating, Add	*4,562.76*	
		For Class 56 Rating, Add	*6,045.88*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,195.85	1,547.07
		For Class 52 Rating, Deduct	*-2,293.70*	
		For Class 54 Rating, Add	*3,155.90*	
		For Class 55 Rating, Add	*4,706.21*	
		For Class 56 Rating, Add	*6,235.66*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,843.92	1,550.65
		For Class 52 Rating, Deduct	*-2,364.39*	
		For Class 54 Rating, Add	*3,252.36*	
		For Class 55 Rating, Add	*4,849.65*	
		For Class 56 Rating, Add	*6,425.45*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,492.00	1,554.21
		For Class 52 Rating, Deduct	*-2,435.09*	
		For Class 54 Rating, Add	*3,348.83*	
		For Class 55 Rating, Add	*4,993.10*	
		For Class 56 Rating, Add	*6,615.23*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,140.07	1,557.77
		For Class 52 Rating, Deduct	*-2,505.78*	
		For Class 54 Rating, Add	*3,445.29*	
		For Class 55 Rating, Add	*5,136.54*	
		For Class 56 Rating, Add	*6,805.01*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,788.15	1,561.34
		For Class 52 Rating, Deduct	*-2,576.47*	
		For Class 54 Rating, Add	*3,541.76*	
		For Class 55 Rating, Add	*5,279.99*	
		For Class 56 Rating, Add	*6,994.80*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,436.22	1,564.90
		For Class 52 Rating, Deduct	*-2,647.17*	
		For Class 54 Rating, Add	*3,638.23*	
		For Class 55 Rating, Add	*5,423.44*	
		For Class 56 Rating, Add	*7,184.58*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,084.30	1,568.47
		For Class 52 Rating, Deduct	*-2,717.86*	
		For Class 54 Rating, Add	*3,734.69*	
		For Class 55 Rating, Add	*5,566.88*	
		For Class 56 Rating, Add	*7,374.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,732.37	1,572.03
		For Class 52 Rating, Deduct	*-2,788.56*	
		For Class 54 Rating, Add	*3,831.16*	
		For Class 55 Rating, Add	*5,710.33*	
		For Class 56 Rating, Add	*7,564.15*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,380.45	1,575.59
		For Class 52 Rating, Deduct	*-2,859.25*	
		For Class 54 Rating, Add	*3,927.62*	
		For Class 55 Rating, Add	*5,853.77*	
		For Class 56 Rating, Add	*7,753.93*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,028.53	1,579.17
		For Class 52 Rating, Deduct	*-2,929.94*	
		For Class 54 Rating, Add	*4,024.09*	
		For Class 55 Rating, Add	*5,997.22*	
		For Class 56 Rating, Add	*7,943.71*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,676.60	1,582.73
		For Class 52 Rating, Deduct	*-3,000.64*	
		For Class 54 Rating, Add	*4,120.56*	
		For Class 55 Rating, Add	*6,140.67*	
		For Class 56 Rating, Add	*8,133.50*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,324.67	1,586.29
		For Class 52 Rating, Deduct	*-3,071.33*	
		For Class 54 Rating, Add	*4,217.02*	
		For Class 55 Rating, Add	*6,284.11*	
		For Class 56 Rating, Add	*8,323.28*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,972.75	1,589.86
		For Class 52 Rating, Deduct	*-3,142.03*	
		For Class 54 Rating, Add	*4,313.49*	
		For Class 55 Rating, Add	*6,427.56*	
		For Class 56 Rating, Add	*8,513.06*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,620.82	1,593.42
		For Class 52 Rating, Deduct	*-3,212.72*	
		For Class 54 Rating, Add	*4,409.95*	
		For Class 55 Rating, Add	*6,571.00*	
		For Class 56 Rating, Add	*8,702.85*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,268.90	1,596.98
		For Class 52 Rating, Deduct	*-3,283.42*	
		For Class 54 Rating, Add	*4,506.42*	
		For Class 55 Rating, Add	*6,714.45*	
		For Class 56 Rating, Add	*8,892.63*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,916.97	1,600.55
		For Class 52 Rating, Deduct	*-3,354.11*	
		For Class 54 Rating, Add	*4,602.89*	
		For Class 55 Rating, Add	*6,857.90*	
		For Class 56 Rating, Add	*9,082.41*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,282.53	1,860.77
		For Class 52 Rating, Deduct	*-1,040.95*	
		For Class 54 Rating, Add	*1,453.31*	
		For Class 55 Rating, Add	*2,177.95*	
		For Class 56 Rating, Add	*2,893.13*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,162.18	1,864.33
		For Class 52 Rating, Deduct	*-1,137.12*	
		For Class 54 Rating, Add	*1,584.51*	
		For Class 55 Rating, Add	*2,373.04*	
		For Class 56 Rating, Add	*3,151.23*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,041.82	1,867.91
		For Class 52 Rating, Deduct	*-1,233.28*	
		For Class 54 Rating, Add	*1,715.71*	
		For Class 55 Rating, Add	*2,568.13*	
		For Class 56 Rating, Add	*3,409.33*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,921.48	1,871.47
		For Class 52 Rating, Deduct	*-1,329.45*	
		For Class 54 Rating, Add	*1,846.91*	
		For Class 55 Rating, Add	*2,763.21*	
		For Class 56 Rating, Add	*3,667.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,801.12	1,875.03
		For Class 52 Rating, Deduct	*-1,425.62*	
		For Class 54 Rating, Add	*1,978.12*	
		For Class 55 Rating, Add	*2,958.30*	
		For Class 56 Rating, Add	*3,925.52*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,680.77	1,878.60
		For Class 52 Rating, Deduct	*-1,521.79*	
		For Class 54 Rating, Add	*2,109.32*	
		For Class 55 Rating, Add	*3,153.39*	
		For Class 56 Rating, Add	*4,183.62*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,560.41	1,882.16
		For Class 52 Rating, Deduct	*-1,617.95*	
		For Class 54 Rating, Add	*2,240.52*	
		For Class 55 Rating, Add	*3,348.47*	
		For Class 56 Rating, Add	*4,441.72*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,440.06	1,885.72
		For Class 52 Rating, Deduct	*-1,714.12*	
		For Class 54 Rating, Add	*2,371.72*	
		For Class 55 Rating, Add	*3,543.56*	
		For Class 56 Rating, Add	*4,699.81*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,319.70	1,889.29
		For Class 52 Rating, Deduct	*-1,810.29*	
		For Class 54 Rating, Add	*2,502.92*	
		For Class 55 Rating, Add	*3,738.64*	
		For Class 56 Rating, Add	*4,957.91*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,199.35	1,892.85
		For Class 52 Rating, Deduct	*-1,906.45*	
		For Class 54 Rating, Add	*2,634.12*	
		For Class 55 Rating, Add	*3,933.73*	
		For Class 56 Rating, Add	*5,216.01*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,079.00	1,896.42
		For Class 52 Rating, Deduct	*-2,002.62*	
		For Class 54 Rating, Add	*2,765.32*	
		For Class 55 Rating, Add	*4,128.82*	
		For Class 56 Rating, Add	*5,474.10*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,958.64	1,899.99
		For Class 52 Rating, Deduct	*-2,098.79*	
		For Class 54 Rating, Add	*2,896.53*	
		For Class 55 Rating, Add	*4,323.90*	
		For Class 56 Rating, Add	*5,732.20*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,838.29	1,903.55
		For Class 52 Rating, Deduct	*-2,194.95*	
		For Class 54 Rating, Add	*3,027.73*	
		For Class 55 Rating, Add	*4,518.99*	
		For Class 56 Rating, Add	*5,990.30*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,717.93	1,907.11
		For Class 52 Rating, Deduct	*-2,291.12*	
		For Class 54 Rating, Add	*3,158.93*	
		For Class 55 Rating, Add	*4,714.08*	
		For Class 56 Rating, Add	*6,248.39*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,597.58	1,910.68
		For Class 52 Rating, Deduct	*-2,387.29*	
		For Class 54 Rating, Add	*3,290.13*	
		For Class 55 Rating, Add	*4,909.16*	
		For Class 56 Rating, Add	*6,506.49*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,477.23	1,914.24
		For Class 52 Rating, Deduct	*-2,483.45*	
		For Class 54 Rating, Add	*3,421.33*	
		For Class 55 Rating, Add	*5,104.25*	
		For Class 56 Rating, Add	*6,764.59*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,356.87	1,917.80
		For Class 52 Rating, Deduct	*-2,579.62*	
		For Class 54 Rating, Add	*3,552.53*	
		For Class 55 Rating, Add	*5,299.33*	
		For Class 56 Rating, Add	*7,022.68*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,236.52	1,921.37
		For Class 52 Rating, Deduct	*-2,675.79*	
		For Class 54 Rating, Add	*3,683.74*	
		For Class 55 Rating, Add	*5,494.42*	
		For Class 56 Rating, Add	*7,280.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,116.17	1,924.94
		For Class 52 Rating, Deduct	*-2,771.96*	
		For Class 54 Rating, Add	*3,814.94*	
		For Class 55 Rating, Add	*5,689.51*	
		For Class 56 Rating, Add	*7,538.88*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,995.81	1,928.51
		For Class 52 Rating, Deduct	*-2,868.12*	
		For Class 54 Rating, Add	*3,946.14*	
		For Class 55 Rating, Add	*5,884.59*	
		For Class 56 Rating, Add	*7,796.97*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,875.47	1,932.07
		For Class 52 Rating, Deduct	*-2,964.29*	
		For Class 54 Rating, Add	*4,077.34*	
		For Class 55 Rating, Add	*6,079.68*	
		For Class 56 Rating, Add	*8,055.07*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,755.10	1,935.63
		For Class 52 Rating, Deduct	*-3,060.46*	
		For Class 54 Rating, Add	*4,208.54*	
		For Class 55 Rating, Add	*6,274.77*	
		For Class 56 Rating, Add	*8,313.17*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,634.76	1,939.20
		For Class 52 Rating, Deduct	*-3,156.62*	
		For Class 54 Rating, Add	*4,339.75*	
		For Class 55 Rating, Add	*6,469.85*	
		For Class 56 Rating, Add	*8,571.27*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,514.39	1,942.76
		For Class 52 Rating, Deduct	*-3,252.79*	
		For Class 54 Rating, Add	*4,470.95*	
		For Class 55 Rating, Add	*6,664.94*	
		For Class 56 Rating, Add	*8,829.36*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,394.05	1,946.32
		For Class 52 Rating, Deduct	*-3,348.96*	
		For Class 54 Rating, Add	*4,602.15*	
		For Class 55 Rating, Add	*6,860.03*	
		For Class 56 Rating, Add	*9,087.46*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,273.68	1,949.89
		For Class 52 Rating, Deduct	*-3,445.12*	
		For Class 54 Rating, Add	*4,733.35*	
		For Class 55 Rating, Add	*7,055.11*	
		For Class 56 Rating, Add	*9,345.55*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,153.34	1,953.46
		For Class 52 Rating, Deduct	*-3,541.29*	
		For Class 54 Rating, Add	*4,864.55*	
		For Class 55 Rating, Add	*7,250.20*	
		For Class 56 Rating, Add	*9,603.65*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,032.98	1,957.02
		For Class 52 Rating, Deduct	*-3,637.46*	
		For Class 54 Rating, Add	*4,995.75*	
		For Class 55 Rating, Add	*7,445.28*	
		For Class 56 Rating, Add	*9,861.75*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,912.63	1,960.59
		For Class 52 Rating, Deduct	*-3,733.63*	
		For Class 54 Rating, Add	*5,126.95*	
		For Class 55 Rating, Add	*7,640.37*	
		For Class 56 Rating, Add	*10,119.85*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,792.28	1,964.15
		For Class 52 Rating, Deduct	*-3,829.79*	
		For Class 54 Rating, Add	*5,258.16*	
		For Class 55 Rating, Add	*7,835.46*	
		For Class 56 Rating, Add	*10,377.94*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,671.92	1,967.71
		For Class 52 Rating, Deduct	*-3,925.96*	
		For Class 54 Rating, Add	*5,389.36*	
		For Class 55 Rating, Add	*8,030.54*	
		For Class 56 Rating, Add	*10,636.04*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,551.57	1,971.28
		For Class 52 Rating, Deduct	*-4,022.13*	
		For Class 54 Rating, Add	*5,520.56*	
		For Class 55 Rating, Add	*8,225.63*	
		For Class 56 Rating, Add	*10,894.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022		EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,431.22	1,974.84
			For Class 52 Rating, Deduct	*-4,118.29*	
			For Class 54 Rating, Add	*5,651.76*	
			For Class 55 Rating, Add	*8,420.72*	
			For Class 56 Rating, Add	*11,152.23*	
40 05 19 00-1023		EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,310.86	1,978.40
			For Class 52 Rating, Deduct	*-4,214.46*	
			For Class 54 Rating, Add	*5,782.96*	
			For Class 55 Rating, Add	*8,615.80*	
			For Class 56 Rating, Add	*11,410.33*	
40 05 19 00-1024		EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,190.51	1,981.97
			For Class 52 Rating, Deduct	*-4,310.63*	
			For Class 54 Rating, Add	*5,914.16*	
			For Class 55 Rating, Add	*8,810.89*	
			For Class 56 Rating, Add	*11,668.43*	
40 05 19 00-1025		EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,070.15	1,985.54
			For Class 52 Rating, Deduct	*-4,406.79*	
			For Class 54 Rating, Add	*6,045.36*	
			For Class 55 Rating, Add	*9,005.97*	
			For Class 56 Rating, Add	*11,926.52*	
40 05 19 00-1026		EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,949.80	1,989.10
			For Class 52 Rating, Deduct	*-4,502.96*	
			For Class 54 Rating, Add	*6,176.57*	
			For Class 55 Rating, Add	*9,201.06*	
			For Class 56 Rating, Add	*12,184.62*	
40 05 19 00-1027		EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,829.44	1,992.67
			For Class 52 Rating, Deduct	*-4,599.13*	
			For Class 54 Rating, Add	*6,307.77*	
			For Class 55 Rating, Add	*9,396.15*	
			For Class 56 Rating, Add	*12,442.71*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030		EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	641.42	174.33
			For Class 52 Rating, Deduct	*-41.50*	
			For Class 54 Rating, Add	*59.76*	
			For Class 55 Rating, Add	*90.47*	
			For Class 56 Rating, Add	*120.81*	
40 05 19 00-1031		EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	713.69	177.38
			For Class 52 Rating, Deduct	*-48.94*	
			For Class 54 Rating, Add	*69.96*	
			For Class 55 Rating, Add	*105.67*	
			For Class 56 Rating, Add	*140.93*	
40 05 19 00-1032		EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	785.95	180.43
			For Class 52 Rating, Deduct	*-56.38*	
			For Class 54 Rating, Add	*80.17*	
			For Class 55 Rating, Add	*120.87*	
			For Class 56 Rating, Add	*161.05*	
40 05 19 00-1033		EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	858.22	183.47
			For Class 52 Rating, Deduct	*-63.83*	
			For Class 54 Rating, Add	*90.37*	
			For Class 55 Rating, Add	*136.06*	
			For Class 56 Rating, Add	*181.18*	
40 05 19 00-1034		EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	930.49	186.52
			For Class 52 Rating, Deduct	*-71.27*	
			For Class 54 Rating, Add	*100.57*	
			For Class 55 Rating, Add	*151.26*	
			For Class 56 Rating, Add	*201.30*	
40 05 19 00-1035		EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,002.76	189.58
			For Class 52 Rating, Deduct	*-78.71*	
			For Class 54 Rating, Add	*110.78*	
			For Class 55 Rating, Add	*166.46*	
			For Class 56 Rating, Add	*221.42*	
40 05 19 00-1036		EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,075.03	192.63
			For Class 52 Rating, Deduct	*-86.15*	
			For Class 54 Rating, Add	*120.98*	
			For Class 55 Rating, Add	*181.65*	
			For Class 56 Rating, Add	*241.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,147.29	195.67
		For Class 52 Rating, Deduct	*-93.59*	
		For Class 54 Rating, Add	*131.18*	
		For Class 55 Rating, Add	*196.85*	
		For Class 56 Rating, Add	*261.67*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,219.56	198.72
		For Class 52 Rating, Deduct	*-101.03*	
		For Class 54 Rating, Add	*141.38*	
		For Class 55 Rating, Add	*212.05*	
		For Class 56 Rating, Add	*281.79*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.83	201.77
		For Class 52 Rating, Deduct	*-108.47*	
		For Class 54 Rating, Add	*151.59*	
		For Class 55 Rating, Add	*227.24*	
		For Class 56 Rating, Add	*301.91*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,364.10	204.81
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*161.79*	
		For Class 55 Rating, Add	*242.44*	
		For Class 56 Rating, Add	*322.04*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,436.37	207.86
		For Class 52 Rating, Deduct	*-123.36*	
		For Class 54 Rating, Add	*171.99*	
		For Class 55 Rating, Add	*257.64*	
		For Class 56 Rating, Add	*342.16*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,508.63	210.91
		For Class 52 Rating, Deduct	*-130.80*	
		For Class 54 Rating, Add	*182.20*	
		For Class 55 Rating, Add	*272.83*	
		For Class 56 Rating, Add	*362.28*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,580.90	213.97
		For Class 52 Rating, Deduct	*-138.24*	
		For Class 54 Rating, Add	*192.40*	
		For Class 55 Rating, Add	*288.03*	
		For Class 56 Rating, Add	*382.41*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,653.17	217.00
		For Class 52 Rating, Deduct	*-145.68*	
		For Class 54 Rating, Add	*202.60*	
		For Class 55 Rating, Add	*303.23*	
		For Class 56 Rating, Add	*402.53*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,725.44	220.05
		For Class 52 Rating, Deduct	*-153.12*	
		For Class 54 Rating, Add	*212.81*	
		For Class 55 Rating, Add	*318.42*	
		For Class 56 Rating, Add	*422.65*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,797.70	223.10
		For Class 52 Rating, Deduct	*-160.56*	
		For Class 54 Rating, Add	*223.01*	
		For Class 55 Rating, Add	*333.62*	
		For Class 56 Rating, Add	*442.77*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.98	226.14
		For Class 52 Rating, Deduct	*-168.01*	
		For Class 54 Rating, Add	*233.21*	
		For Class 55 Rating, Add	*348.82*	
		For Class 56 Rating, Add	*462.90*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.24	229.19
		For Class 52 Rating, Deduct	*-175.45*	
		For Class 54 Rating, Add	*243.41*	
		For Class 55 Rating, Add	*364.01*	
		For Class 56 Rating, Add	*483.02*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,014.51	232.24
		For Class 52 Rating, Deduct	*-182.89*	
		For Class 54 Rating, Add	*253.62*	
		For Class 55 Rating, Add	*379.21*	
		For Class 56 Rating, Add	*503.14*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.78	235.30
		For Class 52 Rating, Deduct	*-190.33*	
		For Class 54 Rating, Add	*263.82*	
		For Class 55 Rating, Add	*394.41*	
		For Class 56 Rating, Add	*523.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,159.04	238.34
		For Class 52 Rating, Deduct	*-197.77*	
		For Class 54 Rating, Add	*274.02*	
		For Class 55 Rating, Add	*409.61*	
		For Class 56 Rating, Add	*543.39*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,231.32	241.39
		For Class 52 Rating, Deduct	*-205.21*	
		For Class 54 Rating, Add	*284.23*	
		For Class 55 Rating, Add	*424.80*	
		For Class 56 Rating, Add	*563.51*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,303.58	244.44
		For Class 52 Rating, Deduct	*-212.66*	
		For Class 54 Rating, Add	*294.43*	
		For Class 55 Rating, Add	*440.00*	
		For Class 56 Rating, Add	*583.64*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,375.84	247.48
		For Class 52 Rating, Deduct	*-220.10*	
		For Class 54 Rating, Add	*304.63*	
		For Class 55 Rating, Add	*455.20*	
		For Class 56 Rating, Add	*603.76*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,448.12	250.53
		For Class 52 Rating, Deduct	*-227.54*	
		For Class 54 Rating, Add	*314.83*	
		For Class 55 Rating, Add	*470.39*	
		For Class 56 Rating, Add	*623.88*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.38	253.58
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*325.04*	
		For Class 55 Rating, Add	*485.59*	
		For Class 56 Rating, Add	*644.00*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,592.66	256.63
		For Class 52 Rating, Deduct	*-242.42*	
		For Class 54 Rating, Add	*335.24*	
		For Class 55 Rating, Add	*500.79*	
		For Class 56 Rating, Add	*664.13*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,664.92	259.66
		For Class 52 Rating, Deduct	*-249.86*	
		For Class 54 Rating, Add	*345.44*	
		For Class 55 Rating, Add	*515.98*	
		For Class 56 Rating, Add	*684.25*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,737.18	262.72
		For Class 52 Rating, Deduct	*-257.30*	
		For Class 54 Rating, Add	*355.65*	
		For Class 55 Rating, Add	*531.18*	
		For Class 56 Rating, Add	*704.37*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,809.46	265.77
		For Class 52 Rating, Deduct	*-264.75*	
		For Class 54 Rating, Add	*365.85*	
		For Class 55 Rating, Add	*546.38*	
		For Class 56 Rating, Add	*724.50*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,881.72	268.82
		For Class 52 Rating, Deduct	*-272.19*	
		For Class 54 Rating, Add	*376.05*	
		For Class 55 Rating, Add	*561.57*	
		For Class 56 Rating, Add	*744.62*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.00	271.86
		For Class 52 Rating, Deduct	*-279.63*	
		For Class 54 Rating, Add	*386.26*	
		For Class 55 Rating, Add	*576.77*	
		For Class 56 Rating, Add	*764.74*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.26	274.91
		For Class 52 Rating, Deduct	*-287.07*	
		For Class 54 Rating, Add	*396.46*	
		For Class 55 Rating, Add	*591.97*	
		For Class 56 Rating, Add	*784.87*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,098.52	277.96
		For Class 52 Rating, Deduct	*-294.51*	
		For Class 54 Rating, Add	*406.66*	
		For Class 55 Rating, Add	*607.16*	
		For Class 56 Rating, Add	*804.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.80	281.00
		For Class 52 Rating, Deduct	*-301.95*	
		For Class 54 Rating, Add	*416.86*	
		For Class 55 Rating, Add	*622.36*	
		For Class 56 Rating, Add	*825.11*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,243.06	284.06
		For Class 52 Rating, Deduct	*-309.39*	
		For Class 54 Rating, Add	*427.07*	
		For Class 55 Rating, Add	*637.56*	
		For Class 56 Rating, Add	*845.23*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.33	287.11
		For Class 52 Rating, Deduct	*-316.84*	
		For Class 54 Rating, Add	*437.27*	
		For Class 55 Rating, Add	*652.75*	
		For Class 56 Rating, Add	*865.36*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,387.60	290.16
		For Class 52 Rating, Deduct	*-324.28*	
		For Class 54 Rating, Add	*447.47*	
		For Class 55 Rating, Add	*667.95*	
		For Class 56 Rating, Add	*885.48*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	803.43	219.44
		For Class 52 Rating, Deduct	*-51.80*	
		For Class 54 Rating, Add	*74.63*	
		For Class 55 Rating, Add	*113.00*	
		For Class 56 Rating, Add	*150.90*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	891.32	222.50
		For Class 52 Rating, Deduct	*-60.96*	
		For Class 54 Rating, Add	*87.18*	
		For Class 55 Rating, Add	*131.68*	
		For Class 56 Rating, Add	*175.63*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	979.19	225.54
		For Class 52 Rating, Deduct	*-70.12*	
		For Class 54 Rating, Add	*99.72*	
		For Class 55 Rating, Add	*150.36*	
		For Class 56 Rating, Add	*200.36*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,067.08	228.59
		For Class 52 Rating, Deduct	*-79.28*	
		For Class 54 Rating, Add	*112.27*	
		For Class 55 Rating, Add	*169.04*	
		For Class 56 Rating, Add	*225.08*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,154.95	231.64
		For Class 52 Rating, Deduct	*-88.44*	
		For Class 54 Rating, Add	*124.81*	
		For Class 55 Rating, Add	*187.71*	
		For Class 56 Rating, Add	*249.81*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,242.83	234.68
		For Class 52 Rating, Deduct	*-97.60*	
		For Class 54 Rating, Add	*137.35*	
		For Class 55 Rating, Add	*206.39*	
		For Class 56 Rating, Add	*274.54*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,330.72	237.73
		For Class 52 Rating, Deduct	*-106.76*	
		For Class 54 Rating, Add	*149.90*	
		For Class 55 Rating, Add	*225.07*	
		For Class 56 Rating, Add	*299.27*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,418.59	240.78
		For Class 52 Rating, Deduct	*-115.92*	
		For Class 54 Rating, Add	*162.44*	
		For Class 55 Rating, Add	*243.75*	
		For Class 56 Rating, Add	*324.00*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,506.47	243.84
		For Class 52 Rating, Deduct	*-125.07*	
		For Class 54 Rating, Add	*174.99*	
		For Class 55 Rating, Add	*262.43*	
		For Class 56 Rating, Add	*348.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,594.35	246.86
		For Class 52 Rating, Deduct	*-134.23*	
		For Class 54 Rating, Add	*187.53*	
		For Class 55 Rating, Add	*281.10*	
		For Class 56 Rating, Add	*373.45*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,682.23	249.92
		For Class 52 Rating, Deduct	*-143.39*	
		For Class 54 Rating, Add	*200.08*	
		For Class 55 Rating, Add	*299.78*	
		For Class 56 Rating, Add	*398.18*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,770.11	252.97
		For Class 52 Rating, Deduct	*-152.55*	
		For Class 54 Rating, Add	*212.62*	
		For Class 55 Rating, Add	*318.46*	
		For Class 56 Rating, Add	*422.91*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,857.98	256.01
		For Class 52 Rating, Deduct	*-161.71*	
		For Class 54 Rating, Add	*225.17*	
		For Class 55 Rating, Add	*337.14*	
		For Class 56 Rating, Add	*447.64*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,945.87	259.06
		For Class 52 Rating, Deduct	*-170.87*	
		For Class 54 Rating, Add	*237.71*	
		For Class 55 Rating, Add	*355.82*	
		For Class 56 Rating, Add	*472.37*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,033.75	262.11
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*250.26*	
		For Class 55 Rating, Add	*374.50*	
		For Class 56 Rating, Add	*497.10*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.63	265.16
		For Class 52 Rating, Deduct	*-189.19*	
		For Class 54 Rating, Add	*262.80*	
		For Class 55 Rating, Add	*393.17*	
		For Class 56 Rating, Add	*521.83*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,209.51	268.20
		For Class 52 Rating, Deduct	*-198.34*	
		For Class 54 Rating, Add	*275.35*	
		For Class 55 Rating, Add	*411.85*	
		For Class 56 Rating, Add	*546.55*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,297.38	271.26
		For Class 52 Rating, Deduct	*-207.50*	
		For Class 54 Rating, Add	*287.89*	
		For Class 55 Rating, Add	*430.53*	
		For Class 56 Rating, Add	*571.28*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,385.26	274.31
		For Class 52 Rating, Deduct	*-216.66*	
		For Class 54 Rating, Add	*300.43*	
		For Class 55 Rating, Add	*449.21*	
		For Class 56 Rating, Add	*596.01*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,473.14	277.36
		For Class 52 Rating, Deduct	*-225.82*	
		For Class 54 Rating, Add	*312.98*	
		For Class 55 Rating, Add	*467.88*	
		For Class 56 Rating, Add	*620.74*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,561.03	280.40
		For Class 52 Rating, Deduct	*-234.98*	
		For Class 54 Rating, Add	*325.53*	
		For Class 55 Rating, Add	*486.56*	
		For Class 56 Rating, Add	*645.47*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,648.90	283.45
		For Class 52 Rating, Deduct	*-244.14*	
		For Class 54 Rating, Add	*338.07*	
		For Class 55 Rating, Add	*505.24*	
		For Class 56 Rating, Add	*670.20*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,736.78	286.50
		For Class 52 Rating, Deduct	*-253.30*	
		For Class 54 Rating, Add	*350.61*	
		For Class 55 Rating, Add	*523.92*	
		For Class 56 Rating, Add	*694.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,824.66	289.53
		For Class 52 Rating, Deduct	*-262.46*	
		For Class 54 Rating, Add	*363.16*	
		For Class 55 Rating, Add	*542.60*	
		For Class 56 Rating, Add	*719.65*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,912.54	292.58
		For Class 52 Rating, Deduct	*-271.61*	
		For Class 54 Rating, Add	*375.70*	
		For Class 55 Rating, Add	*561.28*	
		For Class 56 Rating, Add	*744.38*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,000.42	295.64
		For Class 52 Rating, Deduct	*-280.77*	
		For Class 54 Rating, Add	*388.25*	
		For Class 55 Rating, Add	*579.95*	
		For Class 56 Rating, Add	*769.11*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,088.29	298.69
		For Class 52 Rating, Deduct	*-289.93*	
		For Class 54 Rating, Add	*400.79*	
		For Class 55 Rating, Add	*598.63*	
		For Class 56 Rating, Add	*793.84*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,176.19	301.73
		For Class 52 Rating, Deduct	*-299.09*	
		For Class 54 Rating, Add	*413.34*	
		For Class 55 Rating, Add	*617.31*	
		For Class 56 Rating, Add	*818.57*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,264.06	304.78
		For Class 52 Rating, Deduct	*-308.25*	
		For Class 54 Rating, Add	*425.88*	
		For Class 55 Rating, Add	*635.99*	
		For Class 56 Rating, Add	*843.29*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,351.93	307.83
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*438.43*	
		For Class 55 Rating, Add	*654.67*	
		For Class 56 Rating, Add	*868.02*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.82	310.87
		For Class 52 Rating, Deduct	*-326.57*	
		For Class 54 Rating, Add	*450.97*	
		For Class 55 Rating, Add	*673.34*	
		For Class 56 Rating, Add	*892.75*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,527.69	313.92
		For Class 52 Rating, Deduct	*-335.73*	
		For Class 54 Rating, Add	*463.52*	
		For Class 55 Rating, Add	*692.02*	
		For Class 56 Rating, Add	*917.48*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.58	316.98
		For Class 52 Rating, Deduct	*-344.88*	
		For Class 54 Rating, Add	*476.06*	
		For Class 55 Rating, Add	*710.70*	
		For Class 56 Rating, Add	*942.21*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,703.46	320.03
		For Class 52 Rating, Deduct	*-354.04*	
		For Class 54 Rating, Add	*488.61*	
		For Class 55 Rating, Add	*729.38*	
		For Class 56 Rating, Add	*966.94*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,791.33	323.07
		For Class 52 Rating, Deduct	*-363.20*	
		For Class 54 Rating, Add	*501.15*	
		For Class 55 Rating, Add	*748.06*	
		For Class 56 Rating, Add	*991.66*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,879.22	326.12
		For Class 52 Rating, Deduct	*-372.36*	
		For Class 54 Rating, Add	*513.69*	
		For Class 55 Rating, Add	*766.74*	
		For Class 56 Rating, Add	*1,016.39*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,967.09	329.17
		For Class 52 Rating, Deduct	*-381.52*	
		For Class 54 Rating, Add	*526.24*	
		For Class 55 Rating, Add	*785.41*	
		For Class 56 Rating, Add	*1,041.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,054.98	332.20
		For Class 52 Rating, Deduct	*-390.68*	
		For Class 54 Rating, Add	*538.78*	
		For Class 55 Rating, Add	*804.09*	
		For Class 56 Rating, Add	*1,065.85*	
40 05 19 00-1108	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,142.85	335.25
		For Class 52 Rating, Deduct	*-399.84*	
		For Class 54 Rating, Add	*551.33*	
		For Class 55 Rating, Add	*822.77*	
		For Class 56 Rating, Add	*1,090.58*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,109.15	280.40
		For Class 52 Rating, Deduct	*-75.27*	
		For Class 54 Rating, Add	*107.74*	
		For Class 55 Rating, Add	*162.80*	
		For Class 56 Rating, Add	*217.16*	
40 05 19 00-1111	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,228.25	283.45
		For Class 52 Rating, Deduct	*-87.87*	
		For Class 54 Rating, Add	*124.97*	
		For Class 55 Rating, Add	*188.44*	
		For Class 56 Rating, Add	*251.10*	
40 05 19 00-1112	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,347.35	286.50
		For Class 52 Rating, Deduct	*-100.46*	
		For Class 54 Rating, Add	*142.20*	
		For Class 55 Rating, Add	*214.08*	
		For Class 56 Rating, Add	*285.04*	
40 05 19 00-1113	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,466.46	289.53
		For Class 52 Rating, Deduct	*-113.05*	
		For Class 54 Rating, Add	*159.43*	
		For Class 55 Rating, Add	*239.72*	
		For Class 56 Rating, Add	*318.98*	
40 05 19 00-1114	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,585.56	292.58
		For Class 52 Rating, Deduct	*-125.65*	
		For Class 54 Rating, Add	*176.66*	
		For Class 55 Rating, Add	*265.36*	
		For Class 56 Rating, Add	*352.92*	
40 05 19 00-1115	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,704.67	295.64
		For Class 52 Rating, Deduct	*-138.24*	
		For Class 54 Rating, Add	*193.88*	
		For Class 55 Rating, Add	*291.00*	
		For Class 56 Rating, Add	*386.86*	
40 05 19 00-1116	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,823.76	298.69
		For Class 52 Rating, Deduct	*-150.83*	
		For Class 54 Rating, Add	*211.11*	
		For Class 55 Rating, Add	*316.64*	
		For Class 56 Rating, Add	*420.80*	
40 05 19 00-1117	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,942.88	301.73
		For Class 52 Rating, Deduct	*-163.43*	
		For Class 54 Rating, Add	*228.34*	
		For Class 55 Rating, Add	*342.28*	
		For Class 56 Rating, Add	*454.74*	
40 05 19 00-1118	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,061.97	304.78
		For Class 52 Rating, Deduct	*-176.02*	
		For Class 54 Rating, Add	*245.57*	
		For Class 55 Rating, Add	*367.92*	
		For Class 56 Rating, Add	*488.68*	
40 05 19 00-1119	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,181.07	307.83
		For Class 52 Rating, Deduct	*-188.61*	
		For Class 54 Rating, Add	*262.80*	
		For Class 55 Rating, Add	*393.57*	
		For Class 56 Rating, Add	*522.62*	
40 05 19 00-1120	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,300.18	310.87
		For Class 52 Rating, Deduct	*-201.21*	
		For Class 54 Rating, Add	*280.02*	
		For Class 55 Rating, Add	*419.21*	
		For Class 56 Rating, Add	*556.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,419.27	313.92
		For Class 52 Rating, Deduct	*-213.80*	
		For Class 54 Rating, Add	*297.25*	
		For Class 55 Rating, Add	*444.84*	
		For Class 56 Rating, Add	*590.49*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,538.39	316.98
		For Class 52 Rating, Deduct	*-226.39*	
		For Class 54 Rating, Add	*314.48*	
		For Class 55 Rating, Add	*470.49*	
		For Class 56 Rating, Add	*624.44*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,657.48	320.03
		For Class 52 Rating, Deduct	*-238.99*	
		For Class 54 Rating, Add	*331.71*	
		For Class 55 Rating, Add	*496.13*	
		For Class 56 Rating, Add	*658.37*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,776.58	323.07
		For Class 52 Rating, Deduct	*-251.58*	
		For Class 54 Rating, Add	*348.94*	
		For Class 55 Rating, Add	*521.77*	
		For Class 56 Rating, Add	*692.31*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,895.69	326.12
		For Class 52 Rating, Deduct	*-264.17*	
		For Class 54 Rating, Add	*366.16*	
		For Class 55 Rating, Add	*547.41*	
		For Class 56 Rating, Add	*726.25*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,014.79	329.17
		For Class 52 Rating, Deduct	*-276.77*	
		For Class 54 Rating, Add	*383.39*	
		For Class 55 Rating, Add	*573.05*	
		For Class 56 Rating, Add	*760.19*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,133.90	332.20
		For Class 52 Rating, Deduct	*-289.36*	
		For Class 54 Rating, Add	*400.62*	
		For Class 55 Rating, Add	*598.69*	
		For Class 56 Rating, Add	*794.13*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,253.00	335.25
		For Class 52 Rating, Deduct	*-301.95*	
		For Class 54 Rating, Add	*417.85*	
		For Class 55 Rating, Add	*624.33*	
		For Class 56 Rating, Add	*828.07*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,372.09	338.30
		For Class 52 Rating, Deduct	*-314.55*	
		For Class 54 Rating, Add	*435.08*	
		For Class 55 Rating, Add	*649.97*	
		For Class 56 Rating, Add	*862.01*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,491.20	341.36
		For Class 52 Rating, Deduct	*-327.14*	
		For Class 54 Rating, Add	*452.31*	
		For Class 55 Rating, Add	*675.61*	
		For Class 56 Rating, Add	*895.95*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,610.30	344.40
		For Class 52 Rating, Deduct	*-339.73*	
		For Class 54 Rating, Add	*469.53*	
		For Class 55 Rating, Add	*701.25*	
		For Class 56 Rating, Add	*929.89*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,729.40	347.45
		For Class 52 Rating, Deduct	*-352.33*	
		For Class 54 Rating, Add	*486.76*	
		For Class 55 Rating, Add	*726.89*	
		For Class 56 Rating, Add	*963.83*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,848.51	350.50
		For Class 52 Rating, Deduct	*-364.92*	
		For Class 54 Rating, Add	*503.99*	
		For Class 55 Rating, Add	*752.54*	
		For Class 56 Rating, Add	*997.77*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,967.61	353.55
		For Class 52 Rating, Deduct	*-377.51*	
		For Class 54 Rating, Add	*521.22*	
		For Class 55 Rating, Add	*778.18*	
		For Class 56 Rating, Add	*1,031.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,086.72	356.59
		For Class 52 Rating, Deduct	*-390.11*	
		For Class 54 Rating, Add	*538.45*	
		For Class 55 Rating, Add	*803.82*	
		For Class 56 Rating, Add	*1,065.64*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,205.81	359.64
		For Class 52 Rating, Deduct	*-402.70*	
		For Class 54 Rating, Add	*555.67*	
		For Class 55 Rating, Add	*829.46*	
		For Class 56 Rating, Add	*1,099.58*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,324.92	362.70
		For Class 52 Rating, Deduct	*-415.29*	
		For Class 54 Rating, Add	*572.90*	
		For Class 55 Rating, Add	*855.10*	
		For Class 56 Rating, Add	*1,133.52*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,444.02	365.74
		For Class 52 Rating, Deduct	*-427.89*	
		For Class 54 Rating, Add	*590.13*	
		For Class 55 Rating, Add	*880.74*	
		For Class 56 Rating, Add	*1,167.46*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,563.12	368.79
		For Class 52 Rating, Deduct	*-440.48*	
		For Class 54 Rating, Add	*607.36*	
		For Class 55 Rating, Add	*906.38*	
		For Class 56 Rating, Add	*1,201.40*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,682.22	371.84
		For Class 52 Rating, Deduct	*-453.07*	
		For Class 54 Rating, Add	*624.59*	
		For Class 55 Rating, Add	*932.02*	
		For Class 56 Rating, Add	*1,235.34*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,801.32	374.89
		For Class 52 Rating, Deduct	*-465.67*	
		For Class 54 Rating, Add	*641.81*	
		For Class 55 Rating, Add	*957.66*	
		For Class 56 Rating, Add	*1,269.28*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,920.43	377.92
		For Class 52 Rating, Deduct	*-478.26*	
		For Class 54 Rating, Add	*659.04*	
		For Class 55 Rating, Add	*983.30*	
		For Class 56 Rating, Add	*1,303.22*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.53	380.97
		For Class 52 Rating, Deduct	*-490.85*	
		For Class 54 Rating, Add	*676.27*	
		For Class 55 Rating, Add	*1,008.94*	
		For Class 56 Rating, Add	*1,337.16*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,158.64	384.02
		For Class 52 Rating, Deduct	*-503.45*	
		For Class 54 Rating, Add	*693.50*	
		For Class 55 Rating, Add	*1,034.59*	
		For Class 56 Rating, Add	*1,371.10*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,277.73	387.06
		For Class 52 Rating, Deduct	*-516.04*	
		For Class 54 Rating, Add	*710.73*	
		For Class 55 Rating, Add	*1,060.23*	
		For Class 56 Rating, Add	*1,405.03*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,396.84	390.12
		For Class 52 Rating, Deduct	*-528.63*	
		For Class 54 Rating, Add	*727.96*	
		For Class 55 Rating, Add	*1,085.87*	
		For Class 56 Rating, Add	*1,438.98*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,515.94	393.17
		For Class 52 Rating, Deduct	*-541.23*	
		For Class 54 Rating, Add	*745.18*	
		For Class 55 Rating, Add	*1,111.51*	
		For Class 56 Rating, Add	*1,472.91*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,635.05	396.22
		For Class 52 Rating, Deduct	*-553.82*	
		For Class 54 Rating, Add	*762.41*	
		For Class 55 Rating, Add	*1,137.15*	
		For Class 56 Rating, Add	*1,506.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,399.26	341.36
		For Class 52 Rating, Deduct	*-97.03*	
		For Class 54 Rating, Add	*138.51*	
		For Class 55 Rating, Add	*209.11*	
		For Class 56 Rating, Add	*278.82*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,554.78	344.40
		For Class 52 Rating, Deduct	*-113.63*	
		For Class 54 Rating, Add	*161.21*	
		For Class 55 Rating, Add	*242.87*	
		For Class 56 Rating, Add	*323.51*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,710.31	347.45
		For Class 52 Rating, Deduct	*-130.23*	
		For Class 54 Rating, Add	*183.90*	
		For Class 55 Rating, Add	*276.64*	
		For Class 56 Rating, Add	*368.19*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,865.84	350.50
		For Class 52 Rating, Deduct	*-146.83*	
		For Class 54 Rating, Add	*206.59*	
		For Class 55 Rating, Add	*310.40*	
		For Class 56 Rating, Add	*412.88*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,021.38	353.55
		For Class 52 Rating, Deduct	*-163.43*	
		For Class 54 Rating, Add	*229.28*	
		For Class 55 Rating, Add	*344.17*	
		For Class 56 Rating, Add	*457.57*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,176.91	356.59
		For Class 52 Rating, Deduct	*-180.03*	
		For Class 54 Rating, Add	*251.98*	
		For Class 55 Rating, Add	*377.93*	
		For Class 56 Rating, Add	*502.25*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.43	359.64
		For Class 52 Rating, Deduct	*-196.63*	
		For Class 54 Rating, Add	*274.67*	
		For Class 55 Rating, Add	*411.69*	
		For Class 56 Rating, Add	*546.94*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,487.96	362.70
		For Class 52 Rating, Deduct	*-213.23*	
		For Class 54 Rating, Add	*297.36*	
		For Class 55 Rating, Add	*445.46*	
		For Class 56 Rating, Add	*591.62*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,643.49	365.74
		For Class 52 Rating, Deduct	*-229.83*	
		For Class 54 Rating, Add	*320.05*	
		For Class 55 Rating, Add	*479.22*	
		For Class 56 Rating, Add	*636.30*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.02	368.79
		For Class 52 Rating, Deduct	*-246.43*	
		For Class 54 Rating, Add	*342.74*	
		For Class 55 Rating, Add	*512.99*	
		For Class 56 Rating, Add	*680.99*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,954.54	371.84
		For Class 52 Rating, Deduct	*-263.03*	
		For Class 54 Rating, Add	*365.43*	
		For Class 55 Rating, Add	*546.75*	
		For Class 56 Rating, Add	*725.67*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,110.08	374.89
		For Class 52 Rating, Deduct	*-279.63*	
		For Class 54 Rating, Add	*388.13*	
		For Class 55 Rating, Add	*580.52*	
		For Class 56 Rating, Add	*770.36*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,265.61	377.92
		For Class 52 Rating, Deduct	*-296.23*	
		For Class 54 Rating, Add	*410.82*	
		For Class 55 Rating, Add	*614.28*	
		For Class 56 Rating, Add	*815.05*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,421.14	380.97
		For Class 52 Rating, Deduct	*-312.83*	
		For Class 54 Rating, Add	*433.51*	
		For Class 55 Rating, Add	*648.04*	
		For Class 56 Rating, Add	*859.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.67	384.02
		For Class 52 Rating, Deduct	*-329.43*	
		For Class 54 Rating, Add	*456.20*	
		For Class 55 Rating, Add	*681.81*	
		For Class 56 Rating, Add	*904.42*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,732.19	387.06
		For Class 52 Rating, Deduct	*-346.03*	
		For Class 54 Rating, Add	*478.90*	
		For Class 55 Rating, Add	*715.57*	
		For Class 56 Rating, Add	*949.10*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,887.72	390.12
		For Class 52 Rating, Deduct	*-362.63*	
		For Class 54 Rating, Add	*501.59*	
		For Class 55 Rating, Add	*749.33*	
		For Class 56 Rating, Add	*993.79*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,043.25	393.17
		For Class 52 Rating, Deduct	*-379.23*	
		For Class 54 Rating, Add	*524.28*	
		For Class 55 Rating, Add	*783.10*	
		For Class 56 Rating, Add	*1,038.47*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,198.79	396.22
		For Class 52 Rating, Deduct	*-395.83*	
		For Class 54 Rating, Add	*546.97*	
		For Class 55 Rating, Add	*816.86*	
		For Class 56 Rating, Add	*1,083.16*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,354.32	399.26
		For Class 52 Rating, Deduct	*-412.43*	
		For Class 54 Rating, Add	*569.66*	
		For Class 55 Rating, Add	*850.63*	
		For Class 56 Rating, Add	*1,127.84*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,509.84	402.31
		For Class 52 Rating, Deduct	*-429.03*	
		For Class 54 Rating, Add	*592.36*	
		For Class 55 Rating, Add	*884.39*	
		For Class 56 Rating, Add	*1,172.53*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,665.37	405.36
		For Class 52 Rating, Deduct	*-445.63*	
		For Class 54 Rating, Add	*615.05*	
		For Class 55 Rating, Add	*918.16*	
		For Class 56 Rating, Add	*1,217.21*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,820.90	408.40
		For Class 52 Rating, Deduct	*-462.23*	
		For Class 54 Rating, Add	*637.74*	
		For Class 55 Rating, Add	*951.92*	
		For Class 56 Rating, Add	*1,261.90*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,976.42	411.46
		For Class 52 Rating, Deduct	*-478.83*	
		For Class 54 Rating, Add	*660.43*	
		For Class 55 Rating, Add	*985.68*	
		For Class 56 Rating, Add	*1,306.58*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,131.96	414.51
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*683.12*	
		For Class 55 Rating, Add	*1,019.45*	
		For Class 56 Rating, Add	*1,351.27*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,287.48	417.56
		For Class 52 Rating, Deduct	*-512.03*	
		For Class 54 Rating, Add	*705.82*	
		For Class 55 Rating, Add	*1,053.21*	
		For Class 56 Rating, Add	*1,395.95*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,443.03	420.59
		For Class 52 Rating, Deduct	*-528.63*	
		For Class 54 Rating, Add	*728.51*	
		For Class 55 Rating, Add	*1,086.98*	
		For Class 56 Rating, Add	*1,440.64*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,598.55	423.64
		For Class 52 Rating, Deduct	*-545.23*	
		For Class 54 Rating, Add	*751.20*	
		For Class 55 Rating, Add	*1,120.74*	
		For Class 56 Rating, Add	*1,485.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,754.07	426.69
		For Class 52 Rating, Deduct	*-561.83*	
		For Class 54 Rating, Add	*773.89*	
		For Class 55 Rating, Add	*1,154.50*	
		For Class 56 Rating, Add	*1,530.01*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,909.61	429.74
		For Class 52 Rating, Deduct	*-578.43*	
		For Class 54 Rating, Add	*796.59*	
		For Class 55 Rating, Add	*1,188.27*	
		For Class 56 Rating, Add	*1,574.69*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,065.13	432.78
		For Class 52 Rating, Deduct	*-595.03*	
		For Class 54 Rating, Add	*819.28*	
		For Class 55 Rating, Add	*1,222.03*	
		For Class 56 Rating, Add	*1,619.38*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,220.66	435.84
		For Class 52 Rating, Deduct	*-611.63*	
		For Class 54 Rating, Add	*841.97*	
		For Class 55 Rating, Add	*1,255.80*	
		For Class 56 Rating, Add	*1,664.06*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,376.19	438.89
		For Class 52 Rating, Deduct	*-628.23*	
		For Class 54 Rating, Add	*864.66*	
		For Class 55 Rating, Add	*1,289.56*	
		For Class 56 Rating, Add	*1,708.75*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,531.72	441.93
		For Class 52 Rating, Deduct	*-644.83*	
		For Class 54 Rating, Add	*887.35*	
		For Class 55 Rating, Add	*1,323.33*	
		For Class 56 Rating, Add	*1,753.43*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,687.26	444.98
		For Class 52 Rating, Deduct	*-661.43*	
		For Class 54 Rating, Add	*910.05*	
		For Class 55 Rating, Add	*1,357.09*	
		For Class 56 Rating, Add	*1,798.12*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,842.78	448.03
		For Class 52 Rating, Deduct	*-678.03*	
		For Class 54 Rating, Add	*932.74*	
		For Class 55 Rating, Add	*1,390.85*	
		For Class 56 Rating, Add	*1,842.80*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,998.31	451.08
		For Class 52 Rating, Deduct	*-694.63*	
		For Class 54 Rating, Add	*955.43*	
		For Class 55 Rating, Add	*1,424.62*	
		For Class 56 Rating, Add	*1,887.49*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,153.84	454.12
		For Class 52 Rating, Deduct	*-711.23*	
		For Class 54 Rating, Add	*978.12*	
		For Class 55 Rating, Add	*1,458.38*	
		For Class 56 Rating, Add	*1,932.17*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,309.36	457.18
		For Class 52 Rating, Deduct	*-727.83*	
		For Class 54 Rating, Add	*1,000.81*	
		For Class 55 Rating, Add	*1,492.14*	
		For Class 56 Rating, Add	*1,976.86*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,822.57	426.69
		For Class 52 Rating, Deduct	*-129.37*	
		For Class 54 Rating, Add	*184.17*	
		For Class 55 Rating, Add	*277.78*	
		For Class 56 Rating, Add	*370.21*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,017.14	429.74
		For Class 52 Rating, Deduct	*-150.26*	
		For Class 54 Rating, Add	*212.72*	
		For Class 55 Rating, Add	*320.25*	
		For Class 56 Rating, Add	*426.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,211.69	432.78
		For Class 52 Rating, Deduct	*-171.15*	
		For Class 54 Rating, Add	*241.26*	
		For Class 55 Rating, Add	*362.71*	
		For Class 56 Rating, Add	*482.61*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,406.25	435.84
		For Class 52 Rating, Deduct	*-192.05*	
		For Class 54 Rating, Add	*269.81*	
		For Class 55 Rating, Add	*405.18*	
		For Class 56 Rating, Add	*538.81*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,600.81	438.89
		For Class 52 Rating, Deduct	*-212.94*	
		For Class 54 Rating, Add	*298.35*	
		For Class 55 Rating, Add	*447.65*	
		For Class 56 Rating, Add	*595.01*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,795.36	441.93
		For Class 52 Rating, Deduct	*-233.83*	
		For Class 54 Rating, Add	*326.90*	
		For Class 55 Rating, Add	*490.12*	
		For Class 56 Rating, Add	*651.21*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.93	444.98
		For Class 52 Rating, Deduct	*-254.73*	
		For Class 54 Rating, Add	*355.45*	
		For Class 55 Rating, Add	*532.58*	
		For Class 56 Rating, Add	*707.41*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,184.48	448.03
		For Class 52 Rating, Deduct	*-275.62*	
		For Class 54 Rating, Add	*383.99*	
		For Class 55 Rating, Add	*575.05*	
		For Class 56 Rating, Add	*763.60*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,379.04	451.08
		For Class 52 Rating, Deduct	*-296.51*	
		For Class 54 Rating, Add	*412.54*	
		For Class 55 Rating, Add	*617.52*	
		For Class 56 Rating, Add	*819.80*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,573.60	454.12
		For Class 52 Rating, Deduct	*-317.41*	
		For Class 54 Rating, Add	*441.09*	
		For Class 55 Rating, Add	*659.99*	
		For Class 56 Rating, Add	*876.00*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,768.15	457.18
		For Class 52 Rating, Deduct	*-338.30*	
		For Class 54 Rating, Add	*469.63*	
		For Class 55 Rating, Add	*702.45*	
		For Class 56 Rating, Add	*932.20*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,962.72	460.23
		For Class 52 Rating, Deduct	*-359.20*	
		For Class 54 Rating, Add	*498.18*	
		For Class 55 Rating, Add	*744.92*	
		For Class 56 Rating, Add	*988.40*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,157.27	463.27
		For Class 52 Rating, Deduct	*-380.09*	
		For Class 54 Rating, Add	*526.73*	
		For Class 55 Rating, Add	*787.39*	
		For Class 56 Rating, Add	*1,044.60*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,351.83	466.31
		For Class 52 Rating, Deduct	*-400.98*	
		For Class 54 Rating, Add	*555.27*	
		For Class 55 Rating, Add	*829.86*	
		For Class 56 Rating, Add	*1,100.80*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,546.39	469.36
		For Class 52 Rating, Deduct	*-421.88*	
		For Class 54 Rating, Add	*583.82*	
		For Class 55 Rating, Add	*872.32*	
		For Class 56 Rating, Add	*1,156.99*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,740.94	472.41
		For Class 52 Rating, Deduct	*-442.77*	
		For Class 54 Rating, Add	*612.36*	
		For Class 55 Rating, Add	*914.79*	
		For Class 56 Rating, Add	*1,213.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,935.50	475.45
		For Class 52 Rating, Deduct	*-463.66*	
		For Class 54 Rating, Add	*640.91*	
		For Class 55 Rating, Add	*957.26*	
		For Class 56 Rating, Add	*1,269.39*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,130.06	478.50
		For Class 52 Rating, Deduct	*-484.56*	
		For Class 54 Rating, Add	*669.46*	
		For Class 55 Rating, Add	*999.73*	
		For Class 56 Rating, Add	*1,325.59*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,324.62	481.56
		For Class 52 Rating, Deduct	*-505.45*	
		For Class 54 Rating, Add	*698.00*	
		For Class 55 Rating, Add	*1,042.19*	
		For Class 56 Rating, Add	*1,381.79*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,519.18	484.60
		For Class 52 Rating, Deduct	*-526.34*	
		For Class 54 Rating, Add	*726.55*	
		For Class 55 Rating, Add	*1,084.66*	
		For Class 56 Rating, Add	*1,437.99*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,713.74	487.65
		For Class 52 Rating, Deduct	*-547.24*	
		For Class 54 Rating, Add	*755.10*	
		For Class 55 Rating, Add	*1,127.13*	
		For Class 56 Rating, Add	*1,494.19*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,908.29	490.70
		For Class 52 Rating, Deduct	*-568.13*	
		For Class 54 Rating, Add	*783.64*	
		For Class 55 Rating, Add	*1,169.60*	
		For Class 56 Rating, Add	*1,550.38*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,102.85	493.75
		For Class 52 Rating, Deduct	*-589.02*	
		For Class 54 Rating, Add	*812.19*	
		For Class 55 Rating, Add	*1,212.06*	
		For Class 56 Rating, Add	*1,606.58*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,297.41	496.79
		For Class 52 Rating, Deduct	*-609.92*	
		For Class 54 Rating, Add	*840.74*	
		For Class 55 Rating, Add	*1,254.53*	
		For Class 56 Rating, Add	*1,662.78*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,491.96	499.84
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*869.28*	
		For Class 55 Rating, Add	*1,297.00*	
		For Class 56 Rating, Add	*1,718.98*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,686.53	502.90
		For Class 52 Rating, Deduct	*-651.70*	
		For Class 54 Rating, Add	*897.83*	
		For Class 55 Rating, Add	*1,339.47*	
		For Class 56 Rating, Add	*1,775.18*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,881.08	505.95
		For Class 52 Rating, Deduct	*-672.60*	
		For Class 54 Rating, Add	*926.38*	
		For Class 55 Rating, Add	*1,381.93*	
		For Class 56 Rating, Add	*1,831.38*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,075.64	508.98
		For Class 52 Rating, Deduct	*-693.49*	
		For Class 54 Rating, Add	*954.92*	
		For Class 55 Rating, Add	*1,424.40*	
		For Class 56 Rating, Add	*1,887.58*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,270.20	512.03
		For Class 52 Rating, Deduct	*-714.38*	
		For Class 54 Rating, Add	*983.47*	
		For Class 55 Rating, Add	*1,466.87*	
		For Class 56 Rating, Add	*1,943.77*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,464.75	515.08
		For Class 52 Rating, Deduct	*-735.28*	
		For Class 54 Rating, Add	*1,012.01*	
		For Class 55 Rating, Add	*1,509.34*	
		For Class 56 Rating, Add	*1,999.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,659.32	518.12
		For Class 52 Rating, Deduct	*-756.17*	
		For Class 54 Rating, Add	*1,040.56*	
		For Class 55 Rating, Add	*1,551.80*	
		For Class 56 Rating, Add	*2,056.17*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,853.87	521.17
		For Class 52 Rating, Deduct	*-777.06*	
		For Class 54 Rating, Add	*1,069.11*	
		For Class 55 Rating, Add	*1,594.27*	
		For Class 56 Rating, Add	*2,112.37*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,048.43	524.22
		For Class 52 Rating, Deduct	*-797.96*	
		For Class 54 Rating, Add	*1,097.65*	
		For Class 55 Rating, Add	*1,636.74*	
		For Class 56 Rating, Add	*2,168.57*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,242.99	527.28
		For Class 52 Rating, Deduct	*-818.85*	
		For Class 54 Rating, Add	*1,126.20*	
		For Class 55 Rating, Add	*1,679.21*	
		For Class 56 Rating, Add	*2,224.77*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,437.54	530.32
		For Class 52 Rating, Deduct	*-839.74*	
		For Class 54 Rating, Add	*1,154.75*	
		For Class 55 Rating, Add	*1,721.67*	
		For Class 56 Rating, Add	*2,280.97*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,632.11	533.37
		For Class 52 Rating, Deduct	*-860.64*	
		For Class 54 Rating, Add	*1,183.29*	
		For Class 55 Rating, Add	*1,764.14*	
		For Class 56 Rating, Add	*2,337.16*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,826.66	536.42
		For Class 52 Rating, Deduct	*-881.53*	
		For Class 54 Rating, Add	*1,211.84*	
		For Class 55 Rating, Add	*1,806.61*	
		For Class 56 Rating, Add	*2,393.36*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,021.22	539.46
		For Class 52 Rating, Deduct	*-902.42*	
		For Class 54 Rating, Add	*1,240.39*	
		For Class 55 Rating, Add	*1,849.08*	
		For Class 56 Rating, Add	*2,449.56*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,215.78	542.51
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,268.93*	
		For Class 55 Rating, Add	*1,891.54*	
		For Class 56 Rating, Add	*2,505.76*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,454.05	512.03
		For Class 52 Rating, Deduct	*-184.61*	
		For Class 54 Rating, Add	*261.05*	
		For Class 55 Rating, Add	*392.87*	
		For Class 56 Rating, Add	*523.01*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,690.23	515.08
		For Class 52 Rating, Deduct	*-210.08*	
		For Class 54 Rating, Add	*295.84*	
		For Class 55 Rating, Add	*444.62*	
		For Class 56 Rating, Add	*591.49*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,926.43	518.12
		For Class 52 Rating, Deduct	*-235.55*	
		For Class 54 Rating, Add	*330.63*	
		For Class 55 Rating, Add	*496.37*	
		For Class 56 Rating, Add	*659.97*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,162.61	521.17
		For Class 52 Rating, Deduct	*-261.02*	
		For Class 54 Rating, Add	*365.42*	
		For Class 55 Rating, Add	*548.12*	
		For Class 56 Rating, Add	*728.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,398.80	524.22
		For Class 52 Rating, Deduct	*-286.50*	
		For Class 54 Rating, Add	*400.21*	
		For Class 55 Rating, Add	*599.87*	
		For Class 56 Rating, Add	*796.93*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,634.99	527.28
		For Class 52 Rating, Deduct	*-311.97*	
		For Class 54 Rating, Add	*435.00*	
		For Class 55 Rating, Add	*651.62*	
		For Class 56 Rating, Add	*865.41*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,871.17	530.32
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*469.79*	
		For Class 55 Rating, Add	*703.37*	
		For Class 56 Rating, Add	*933.89*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,107.37	533.37
		For Class 52 Rating, Deduct	*-362.92*	
		For Class 54 Rating, Add	*504.58*	
		For Class 55 Rating, Add	*755.12*	
		For Class 56 Rating, Add	*1,002.37*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,343.56	536.42
		For Class 52 Rating, Deduct	*-388.39*	
		For Class 54 Rating, Add	*539.37*	
		For Class 55 Rating, Add	*806.88*	
		For Class 56 Rating, Add	*1,070.85*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,579.75	539.46
		For Class 52 Rating, Deduct	*-413.86*	
		For Class 54 Rating, Add	*574.17*	
		For Class 55 Rating, Add	*858.63*	
		For Class 56 Rating, Add	*1,139.33*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,815.94	542.51
		For Class 52 Rating, Deduct	*-439.33*	
		For Class 54 Rating, Add	*608.96*	
		For Class 55 Rating, Add	*910.38*	
		For Class 56 Rating, Add	*1,207.81*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,052.12	545.56
		For Class 52 Rating, Deduct	*-464.81*	
		For Class 54 Rating, Add	*643.75*	
		For Class 55 Rating, Add	*962.13*	
		For Class 56 Rating, Add	*1,276.29*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,288.32	548.62
		For Class 52 Rating, Deduct	*-490.28*	
		For Class 54 Rating, Add	*678.54*	
		For Class 55 Rating, Add	*1,013.88*	
		For Class 56 Rating, Add	*1,344.77*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,524.50	551.66
		For Class 52 Rating, Deduct	*-515.75*	
		For Class 54 Rating, Add	*713.33*	
		For Class 55 Rating, Add	*1,065.63*	
		For Class 56 Rating, Add	*1,413.24*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,760.69	554.71
		For Class 52 Rating, Deduct	*-541.23*	
		For Class 54 Rating, Add	*748.12*	
		For Class 55 Rating, Add	*1,117.38*	
		For Class 56 Rating, Add	*1,481.72*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,996.88	557.75
		For Class 52 Rating, Deduct	*-566.70*	
		For Class 54 Rating, Add	*782.91*	
		For Class 55 Rating, Add	*1,169.13*	
		For Class 56 Rating, Add	*1,550.20*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,233.06	560.79
		For Class 52 Rating, Deduct	*-592.17*	
		For Class 54 Rating, Add	*817.70*	
		For Class 55 Rating, Add	*1,220.88*	
		For Class 56 Rating, Add	*1,618.68*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,469.25	563.84
		For Class 52 Rating, Deduct	*-617.64*	
		For Class 54 Rating, Add	*852.49*	
		For Class 55 Rating, Add	*1,272.64*	
		For Class 56 Rating, Add	*1,687.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,705.44	566.89
		For Class 52 Rating, Deduct	*-643.12*	
		For Class 54 Rating, Add	*887.28*	
		For Class 55 Rating, Add	*1,324.39*	
		For Class 56 Rating, Add	*1,755.64*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,941.64	569.94
		For Class 52 Rating, Deduct	*-668.59*	
		For Class 54 Rating, Add	*922.08*	
		For Class 55 Rating, Add	*1,376.14*	
		For Class 56 Rating, Add	*1,824.12*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,177.83	572.98
		For Class 52 Rating, Deduct	*-694.06*	
		For Class 54 Rating, Add	*956.87*	
		For Class 55 Rating, Add	*1,427.89*	
		For Class 56 Rating, Add	*1,892.60*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,414.01	576.04
		For Class 52 Rating, Deduct	*-719.54*	
		For Class 54 Rating, Add	*991.66*	
		For Class 55 Rating, Add	*1,479.64*	
		For Class 56 Rating, Add	*1,961.08*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,650.20	579.09
		For Class 52 Rating, Deduct	*-745.01*	
		For Class 54 Rating, Add	*1,026.45*	
		For Class 55 Rating, Add	*1,531.39*	
		For Class 56 Rating, Add	*2,029.56*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,886.39	582.14
		For Class 52 Rating, Deduct	*-770.48*	
		For Class 54 Rating, Add	*1,061.24*	
		For Class 55 Rating, Add	*1,583.14*	
		For Class 56 Rating, Add	*2,098.04*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,122.58	585.18
		For Class 52 Rating, Deduct	*-795.95*	
		For Class 54 Rating, Add	*1,096.03*	
		For Class 55 Rating, Add	*1,634.89*	
		For Class 56 Rating, Add	*2,166.52*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,358.77	588.23
		For Class 52 Rating, Deduct	*-821.43*	
		For Class 54 Rating, Add	*1,130.82*	
		For Class 55 Rating, Add	*1,686.64*	
		For Class 56 Rating, Add	*2,235.00*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,594.95	591.28
		For Class 52 Rating, Deduct	*-846.90*	
		For Class 54 Rating, Add	*1,165.61*	
		For Class 55 Rating, Add	*1,738.40*	
		For Class 56 Rating, Add	*2,303.48*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,831.14	594.32
		For Class 52 Rating, Deduct	*-872.37*	
		For Class 54 Rating, Add	*1,200.40*	
		For Class 55 Rating, Add	*1,790.15*	
		For Class 56 Rating, Add	*2,371.96*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,067.33	597.38
		For Class 52 Rating, Deduct	*-897.84*	
		For Class 54 Rating, Add	*1,235.19*	
		For Class 55 Rating, Add	*1,841.90*	
		For Class 56 Rating, Add	*2,440.44*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,303.52	600.42
		For Class 52 Rating, Deduct	*-923.32*	
		For Class 54 Rating, Add	*1,269.99*	
		For Class 55 Rating, Add	*1,893.65*	
		For Class 56 Rating, Add	*2,508.92*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,539.70	603.47
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,304.78*	
		For Class 55 Rating, Add	*1,945.40*	
		For Class 56 Rating, Add	*2,577.40*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,775.91	606.51
		For Class 52 Rating, Deduct	*-974.26*	
		For Class 54 Rating, Add	*1,339.57*	
		For Class 55 Rating, Add	*1,997.15*	
		For Class 56 Rating, Add	*2,645.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,012.09	609.56
		For Class 52 Rating, Deduct	*-999.74*	
		For Class 54 Rating, Add	*1,374.36*	
		For Class 55 Rating, Add	*2,048.90*	
		For Class 56 Rating, Add	*2,714.36*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,248.28	612.61
		For Class 52 Rating, Deduct	*-1,025.21*	
		For Class 54 Rating, Add	*1,409.15*	
		For Class 55 Rating, Add	*2,100.65*	
		For Class 56 Rating, Add	*2,782.84*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,484.47	615.65
		For Class 52 Rating, Deduct	*-1,050.68*	
		For Class 54 Rating, Add	*1,443.94*	
		For Class 55 Rating, Add	*2,152.41*	
		For Class 56 Rating, Add	*2,851.32*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,720.65	618.70
		For Class 52 Rating, Deduct	*-1,076.15*	
		For Class 54 Rating, Add	*1,478.73*	
		For Class 55 Rating, Add	*2,204.16*	
		For Class 56 Rating, Add	*2,919.80*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,956.85	621.76
		For Class 52 Rating, Deduct	*-1,101.63*	
		For Class 54 Rating, Add	*1,513.52*	
		For Class 55 Rating, Add	*2,255.91*	
		For Class 56 Rating, Add	*2,988.28*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,193.03	624.81
		For Class 52 Rating, Deduct	*-1,127.10*	
		For Class 54 Rating, Add	*1,548.31*	
		For Class 55 Rating, Add	*2,307.66*	
		For Class 56 Rating, Add	*3,056.76*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,871.90	585.18
		For Class 52 Rating, Deduct	*-218.38*	
		For Class 54 Rating, Add	*308.43*	
		For Class 55 Rating, Add	*463.99*	
		For Class 56 Rating, Add	*617.57*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,147.12	588.23
		For Class 52 Rating, Deduct	*-248.14*	
		For Class 54 Rating, Add	*349.07*	
		For Class 55 Rating, Add	*524.45*	
		For Class 56 Rating, Add	*697.56*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,422.33	591.28
		For Class 52 Rating, Deduct	*-277.91*	
		For Class 54 Rating, Add	*389.72*	
		For Class 55 Rating, Add	*584.90*	
		For Class 56 Rating, Add	*777.56*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,697.55	594.32
		For Class 52 Rating, Deduct	*-307.68*	
		For Class 54 Rating, Add	*430.36*	
		For Class 55 Rating, Add	*645.36*	
		For Class 56 Rating, Add	*857.55*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.77	597.38
		For Class 52 Rating, Deduct	*-337.44*	
		For Class 54 Rating, Add	*471.01*	
		For Class 55 Rating, Add	*705.81*	
		For Class 56 Rating, Add	*937.54*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,247.99	600.42
		For Class 52 Rating, Deduct	*-367.21*	
		For Class 54 Rating, Add	*511.66*	
		For Class 55 Rating, Add	*766.27*	
		For Class 56 Rating, Add	*1,017.54*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,523.20	603.47
		For Class 52 Rating, Deduct	*-396.97*	
		For Class 54 Rating, Add	*552.30*	
		For Class 55 Rating, Add	*826.72*	
		For Class 56 Rating, Add	*1,097.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,798.43	606.51
		For Class 52 Rating, Deduct	*-426.74*	
		For Class 54 Rating, Add	*592.95*	
		For Class 55 Rating, Add	*887.17*	
		For Class 56 Rating, Add	*1,177.52*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,073.64	609.56
		For Class 52 Rating, Deduct	*-456.51*	
		For Class 54 Rating, Add	*633.59*	
		For Class 55 Rating, Add	*947.63*	
		For Class 56 Rating, Add	*1,257.52*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,348.86	612.61
		For Class 52 Rating, Deduct	*-486.27*	
		For Class 54 Rating, Add	*674.24*	
		For Class 55 Rating, Add	*1,008.08*	
		For Class 56 Rating, Add	*1,337.51*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,624.08	615.65
		For Class 52 Rating, Deduct	*-516.04*	
		For Class 54 Rating, Add	*714.88*	
		For Class 55 Rating, Add	*1,068.54*	
		For Class 56 Rating, Add	*1,417.50*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,899.29	618.70
		For Class 52 Rating, Deduct	*-545.80*	
		For Class 54 Rating, Add	*755.53*	
		For Class 55 Rating, Add	*1,128.99*	
		For Class 56 Rating, Add	*1,497.50*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,174.52	621.76
		For Class 52 Rating, Deduct	*-575.57*	
		For Class 54 Rating, Add	*796.17*	
		For Class 55 Rating, Add	*1,189.45*	
		For Class 56 Rating, Add	*1,577.49*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,449.73	624.81
		For Class 52 Rating, Deduct	*-605.34*	
		For Class 54 Rating, Add	*836.82*	
		For Class 55 Rating, Add	*1,249.90*	
		For Class 56 Rating, Add	*1,657.48*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,724.94	627.85
		For Class 52 Rating, Deduct	*-635.10*	
		For Class 54 Rating, Add	*877.46*	
		For Class 55 Rating, Add	*1,310.36*	
		For Class 56 Rating, Add	*1,737.48*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,000.17	630.90
		For Class 52 Rating, Deduct	*-664.87*	
		For Class 54 Rating, Add	*918.11*	
		For Class 55 Rating, Add	*1,370.81*	
		For Class 56 Rating, Add	*1,817.47*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,275.38	633.95
		For Class 52 Rating, Deduct	*-694.63*	
		For Class 54 Rating, Add	*958.76*	
		For Class 55 Rating, Add	*1,431.27*	
		For Class 56 Rating, Add	*1,897.46*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,550.61	636.99
		For Class 52 Rating, Deduct	*-724.40*	
		For Class 54 Rating, Add	*999.40*	
		For Class 55 Rating, Add	*1,491.72*	
		For Class 56 Rating, Add	*1,977.46*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,825.82	640.04
		For Class 52 Rating, Deduct	*-754.17*	
		For Class 54 Rating, Add	*1,040.05*	
		For Class 55 Rating, Add	*1,552.18*	
		For Class 56 Rating, Add	*2,057.45*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,101.03	643.10
		For Class 52 Rating, Deduct	*-783.93*	
		For Class 54 Rating, Add	*1,080.69*	
		For Class 55 Rating, Add	*1,612.63*	
		For Class 56 Rating, Add	*2,137.44*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,376.26	646.15
		For Class 52 Rating, Deduct	*-813.70*	
		For Class 54 Rating, Add	*1,121.34*	
		For Class 55 Rating, Add	*1,673.08*	
		For Class 56 Rating, Add	*2,217.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,651.47	649.18
		For Class 52 Rating, Deduct	*-843.46*	
		For Class 54 Rating, Add	*1,161.98*	
		For Class 55 Rating, Add	*1,733.54*	
		For Class 56 Rating, Add	*2,297.43*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,926.70	652.23
		For Class 52 Rating, Deduct	*-873.23*	
		For Class 54 Rating, Add	*1,202.63*	
		For Class 55 Rating, Add	*1,793.99*	
		For Class 56 Rating, Add	*2,377.42*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,201.91	655.28
		For Class 52 Rating, Deduct	*-903.00*	
		For Class 54 Rating, Add	*1,243.27*	
		For Class 55 Rating, Add	*1,854.45*	
		For Class 56 Rating, Add	*2,457.42*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,477.12	658.33
		For Class 52 Rating, Deduct	*-932.76*	
		For Class 54 Rating, Add	*1,283.92*	
		For Class 55 Rating, Add	*1,914.90*	
		For Class 56 Rating, Add	*2,537.41*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,752.35	661.37
		For Class 52 Rating, Deduct	*-962.53*	
		For Class 54 Rating, Add	*1,324.56*	
		For Class 55 Rating, Add	*1,975.36*	
		For Class 56 Rating, Add	*2,617.40*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,027.56	664.42
		For Class 52 Rating, Deduct	*-992.29*	
		For Class 54 Rating, Add	*1,365.21*	
		For Class 55 Rating, Add	*2,035.81*	
		For Class 56 Rating, Add	*2,697.39*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,302.78	667.48
		For Class 52 Rating, Deduct	*-1,022.06*	
		For Class 54 Rating, Add	*1,405.85*	
		For Class 55 Rating, Add	*2,096.27*	
		For Class 56 Rating, Add	*2,777.39*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,578.00	670.52
		For Class 52 Rating, Deduct	*-1,051.83*	
		For Class 54 Rating, Add	*1,446.50*	
		For Class 55 Rating, Add	*2,156.72*	
		For Class 56 Rating, Add	*2,857.38*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,853.22	673.57
		For Class 52 Rating, Deduct	*-1,081.59*	
		For Class 54 Rating, Add	*1,487.15*	
		For Class 55 Rating, Add	*2,217.18*	
		For Class 56 Rating, Add	*2,937.37*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,128.44	676.62
		For Class 52 Rating, Deduct	*-1,111.36*	
		For Class 54 Rating, Add	*1,527.79*	
		For Class 55 Rating, Add	*2,277.63*	
		For Class 56 Rating, Add	*3,017.37*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,403.65	679.67
		For Class 52 Rating, Deduct	*-1,141.12*	
		For Class 54 Rating, Add	*1,568.44*	
		For Class 55 Rating, Add	*2,338.09*	
		For Class 56 Rating, Add	*3,097.36*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,678.86	682.71
		For Class 52 Rating, Deduct	*-1,170.89*	
		For Class 54 Rating, Add	*1,609.08*	
		For Class 55 Rating, Add	*2,398.54*	
		For Class 56 Rating, Add	*3,177.35*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,954.08	685.76
		For Class 52 Rating, Deduct	*-1,200.66*	
		For Class 54 Rating, Add	*1,649.73*	
		For Class 55 Rating, Add	*2,458.99*	
		For Class 56 Rating, Add	*3,257.34*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,229.30	688.82
		For Class 52 Rating, Deduct	*-1,230.42*	
		For Class 54 Rating, Add	*1,690.37*	
		For Class 55 Rating, Add	*2,519.45*	
		For Class 56 Rating, Add	*3,337.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,504.51	691.84
		For Class 52 Rating, Deduct	*-1,260.19*	
		For Class 54 Rating, Add	*1,731.02*	
		For Class 55 Rating, Add	*2,579.90*	
		For Class 56 Rating, Add	*3,417.33*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,779.73	694.90
		For Class 52 Rating, Deduct	*-1,289.95*	
		For Class 54 Rating, Add	*1,771.66*	
		For Class 55 Rating, Add	*2,640.36*	
		For Class 56 Rating, Add	*3,497.32*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,054.95	697.95
		For Class 52 Rating, Deduct	*-1,319.72*	
		For Class 54 Rating, Add	*1,812.31*	
		For Class 55 Rating, Add	*2,700.81*	
		For Class 56 Rating, Add	*3,577.32*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,328.04	659.55
		For Class 52 Rating, Deduct	*-256.16*	
		For Class 54 Rating, Add	*361.30*	
		For Class 55 Rating, Add	*543.29*	
		For Class 56 Rating, Add	*722.95*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,644.88	662.60
		For Class 52 Rating, Deduct	*-290.50*	
		For Class 54 Rating, Add	*408.19*	
		For Class 55 Rating, Add	*613.03*	
		For Class 56 Rating, Add	*815.22*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,961.73	665.64
		For Class 52 Rating, Deduct	*-324.85*	
		For Class 54 Rating, Add	*455.08*	
		For Class 55 Rating, Add	*682.76*	
		For Class 56 Rating, Add	*907.50*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,278.58	668.69
		For Class 52 Rating, Deduct	*-359.20*	
		For Class 54 Rating, Add	*501.97*	
		For Class 55 Rating, Add	*752.50*	
		For Class 56 Rating, Add	*999.77*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,595.43	671.75
		For Class 52 Rating, Deduct	*-393.54*	
		For Class 54 Rating, Add	*548.86*	
		For Class 55 Rating, Add	*822.24*	
		For Class 56 Rating, Add	*1,092.04*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,912.28	674.79
		For Class 52 Rating, Deduct	*-427.89*	
		For Class 54 Rating, Add	*595.75*	
		For Class 55 Rating, Add	*891.98*	
		For Class 56 Rating, Add	*1,184.32*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,229.13	677.84
		For Class 52 Rating, Deduct	*-462.23*	
		For Class 54 Rating, Add	*642.64*	
		For Class 55 Rating, Add	*961.72*	
		For Class 56 Rating, Add	*1,276.59*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,545.97	680.88
		For Class 52 Rating, Deduct	*-496.58*	
		For Class 54 Rating, Add	*689.53*	
		For Class 55 Rating, Add	*1,031.45*	
		For Class 56 Rating, Add	*1,368.87*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,862.82	683.93
		For Class 52 Rating, Deduct	*-530.92*	
		For Class 54 Rating, Add	*736.42*	
		For Class 55 Rating, Add	*1,101.19*	
		For Class 56 Rating, Add	*1,461.14*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,179.67	686.97
		For Class 52 Rating, Deduct	*-565.27*	
		For Class 54 Rating, Add	*783.31*	
		For Class 55 Rating, Add	*1,170.93*	
		For Class 56 Rating, Add	*1,553.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,496.51	690.02
		For Class 52 Rating, Deduct	*-599.61*	
		For Class 54 Rating, Add	*830.20*	
		For Class 55 Rating, Add	*1,240.67*	
		For Class 56 Rating, Add	*1,645.69*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,813.37	693.07
		For Class 52 Rating, Deduct	*-633.96*	
		For Class 54 Rating, Add	*877.09*	
		For Class 55 Rating, Add	*1,310.41*	
		For Class 56 Rating, Add	*1,737.96*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,130.21	696.11
		For Class 52 Rating, Deduct	*-668.30*	
		For Class 54 Rating, Add	*923.98*	
		For Class 55 Rating, Add	*1,380.15*	
		For Class 56 Rating, Add	*1,830.24*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,447.06	699.17
		For Class 52 Rating, Deduct	*-702.65*	
		For Class 54 Rating, Add	*970.87*	
		For Class 55 Rating, Add	*1,449.88*	
		For Class 56 Rating, Add	*1,922.51*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,763.91	702.22
		For Class 52 Rating, Deduct	*-736.99*	
		For Class 54 Rating, Add	*1,017.76*	
		For Class 55 Rating, Add	*1,519.62*	
		For Class 56 Rating, Add	*2,014.79*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,080.75	705.27
		For Class 52 Rating, Deduct	*-771.34*	
		For Class 54 Rating, Add	*1,064.65*	
		For Class 55 Rating, Add	*1,589.36*	
		For Class 56 Rating, Add	*2,107.06*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,397.61	708.31
		For Class 52 Rating, Deduct	*-805.68*	
		For Class 54 Rating, Add	*1,111.54*	
		For Class 55 Rating, Add	*1,659.10*	
		For Class 56 Rating, Add	*2,199.33*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,714.46	711.36
		For Class 52 Rating, Deduct	*-840.03*	
		For Class 54 Rating, Add	*1,158.43*	
		For Class 55 Rating, Add	*1,728.84*	
		For Class 56 Rating, Add	*2,291.61*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,031.30	714.41
		For Class 52 Rating, Deduct	*-874.38*	
		For Class 54 Rating, Add	*1,205.32*	
		For Class 55 Rating, Add	*1,798.58*	
		For Class 56 Rating, Add	*2,383.88*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,348.16	717.45
		For Class 52 Rating, Deduct	*-908.72*	
		For Class 54 Rating, Add	*1,252.21*	
		For Class 55 Rating, Add	*1,868.31*	
		For Class 56 Rating, Add	*2,476.16*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,665.00	720.51
		For Class 52 Rating, Deduct	*-943.07*	
		For Class 54 Rating, Add	*1,299.10*	
		For Class 55 Rating, Add	*1,938.05*	
		For Class 56 Rating, Add	*2,568.43*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,981.86	723.56
		For Class 52 Rating, Deduct	*-977.41*	
		For Class 54 Rating, Add	*1,345.99*	
		For Class 55 Rating, Add	*2,007.79*	
		For Class 56 Rating, Add	*2,660.71*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,298.70	726.60
		For Class 52 Rating, Deduct	*-1,011.76*	
		For Class 54 Rating, Add	*1,392.88*	
		For Class 55 Rating, Add	*2,077.53*	
		For Class 56 Rating, Add	*2,752.98*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,615.54	729.64
		For Class 52 Rating, Deduct	*-1,046.10*	
		For Class 54 Rating, Add	*1,439.77*	
		For Class 55 Rating, Add	*2,147.27*	
		For Class 56 Rating, Add	*2,845.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,932.40	732.69
		For Class 52 Rating, Deduct	*-1,080.45*	
		For Class 54 Rating, Add	*1,486.66*	
		For Class 55 Rating, Add	*2,217.01*	
		For Class 56 Rating, Add	*2,937.53*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,249.24	735.74
		For Class 52 Rating, Deduct	*-1,114.79*	
		For Class 54 Rating, Add	*1,533.55*	
		For Class 55 Rating, Add	*2,286.74*	
		For Class 56 Rating, Add	*3,029.80*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,566.10	738.79
		For Class 52 Rating, Deduct	*-1,149.14*	
		For Class 54 Rating, Add	*1,580.44*	
		For Class 55 Rating, Add	*2,356.48*	
		For Class 56 Rating, Add	*3,122.08*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,882.94	741.83
		For Class 52 Rating, Deduct	*-1,183.48*	
		For Class 54 Rating, Add	*1,627.33*	
		For Class 55 Rating, Add	*2,426.22*	
		For Class 56 Rating, Add	*3,214.35*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,199.79	744.89
		For Class 52 Rating, Deduct	*-1,217.83*	
		For Class 54 Rating, Add	*1,674.22*	
		For Class 55 Rating, Add	*2,495.96*	
		For Class 56 Rating, Add	*3,306.63*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,516.64	747.94
		For Class 52 Rating, Deduct	*-1,252.17*	
		For Class 54 Rating, Add	*1,721.11*	
		For Class 55 Rating, Add	*2,565.70*	
		For Class 56 Rating, Add	*3,398.90*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,833.48	750.98
		For Class 52 Rating, Deduct	*-1,286.52*	
		For Class 54 Rating, Add	*1,768.00*	
		For Class 55 Rating, Add	*2,635.43*	
		For Class 56 Rating, Add	*3,491.17*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,150.33	754.03
		For Class 52 Rating, Deduct	*-1,320.86*	
		For Class 54 Rating, Add	*1,814.89*	
		For Class 55 Rating, Add	*2,705.17*	
		For Class 56 Rating, Add	*3,583.45*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,467.18	757.08
		For Class 52 Rating, Deduct	*-1,355.21*	
		For Class 54 Rating, Add	*1,861.78*	
		For Class 55 Rating, Add	*2,774.91*	
		For Class 56 Rating, Add	*3,675.72*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,784.03	760.13
		For Class 52 Rating, Deduct	*-1,389.56*	
		For Class 54 Rating, Add	*1,908.67*	
		For Class 55 Rating, Add	*2,844.65*	
		For Class 56 Rating, Add	*3,768.00*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,100.88	763.17
		For Class 52 Rating, Deduct	*-1,423.90*	
		For Class 54 Rating, Add	*1,955.56*	
		For Class 55 Rating, Add	*2,914.39*	
		For Class 56 Rating, Add	*3,860.27*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,417.72	766.23
		For Class 52 Rating, Deduct	*-1,458.25*	
		For Class 54 Rating, Add	*2,002.45*	
		For Class 55 Rating, Add	*2,984.12*	
		For Class 56 Rating, Add	*3,952.54*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,734.57	769.28
		For Class 52 Rating, Deduct	*-1,492.59*	
		For Class 54 Rating, Add	*2,049.34*	
		For Class 55 Rating, Add	*3,053.86*	
		For Class 56 Rating, Add	*4,044.82*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,051.42	772.31
		For Class 52 Rating, Deduct	*-1,526.94*	
		For Class 54 Rating, Add	*2,096.23*	
		For Class 55 Rating, Add	*3,123.60*	
		For Class 56 Rating, Add	*4,137.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,883.04	752.81
		For Class 52 Rating, Deduct	*-301.67*	
		For Class 54 Rating, Add	*425.05*	
		For Class 55 Rating, Add	*638.93*	
		For Class 56 Rating, Add	*850.08*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,246.73	755.86
		For Class 52 Rating, Deduct	*-341.16*	
		For Class 54 Rating, Add	*478.97*	
		For Class 55 Rating, Add	*719.12*	
		For Class 56 Rating, Add	*956.17*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,610.41	758.90
		For Class 52 Rating, Deduct	*-380.66*	
		For Class 54 Rating, Add	*532.88*	
		For Class 55 Rating, Add	*799.30*	
		For Class 56 Rating, Add	*1,062.26*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,974.09	761.96
		For Class 52 Rating, Deduct	*-420.16*	
		For Class 54 Rating, Add	*586.80*	
		For Class 55 Rating, Add	*879.48*	
		For Class 56 Rating, Add	*1,168.35*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,337.78	765.01
		For Class 52 Rating, Deduct	*-459.65*	
		For Class 54 Rating, Add	*640.71*	
		For Class 55 Rating, Add	*959.66*	
		For Class 56 Rating, Add	*1,274.44*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,701.46	768.05
		For Class 52 Rating, Deduct	*-499.15*	
		For Class 54 Rating, Add	*694.63*	
		For Class 55 Rating, Add	*1,039.85*	
		For Class 56 Rating, Add	*1,380.53*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,065.14	771.10
		For Class 52 Rating, Deduct	*-538.65*	
		For Class 54 Rating, Add	*748.54*	
		For Class 55 Rating, Add	*1,120.03*	
		For Class 56 Rating, Add	*1,486.62*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,428.83	774.15
		For Class 52 Rating, Deduct	*-578.15*	
		For Class 54 Rating, Add	*802.46*	
		For Class 55 Rating, Add	*1,200.21*	
		For Class 56 Rating, Add	*1,592.71*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,792.50	777.20
		For Class 52 Rating, Deduct	*-617.64*	
		For Class 54 Rating, Add	*856.37*	
		For Class 55 Rating, Add	*1,280.39*	
		For Class 56 Rating, Add	*1,698.80*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,156.20	780.23
		For Class 52 Rating, Deduct	*-657.14*	
		For Class 54 Rating, Add	*910.29*	
		For Class 55 Rating, Add	*1,360.58*	
		For Class 56 Rating, Add	*1,804.89*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,519.87	783.28
		For Class 52 Rating, Deduct	*-696.64*	
		For Class 54 Rating, Add	*964.20*	
		For Class 55 Rating, Add	*1,440.76*	
		For Class 56 Rating, Add	*1,910.98*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,883.56	786.34
		For Class 52 Rating, Deduct	*-736.14*	
		For Class 54 Rating, Add	*1,018.12*	
		For Class 55 Rating, Add	*1,520.94*	
		For Class 56 Rating, Add	*2,017.07*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,247.24	789.38
		For Class 52 Rating, Deduct	*-775.63*	
		For Class 54 Rating, Add	*1,072.03*	
		For Class 55 Rating, Add	*1,601.12*	
		For Class 56 Rating, Add	*2,123.16*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,610.92	792.43
		For Class 52 Rating, Deduct	*-815.13*	
		For Class 54 Rating, Add	*1,125.95*	
		For Class 55 Rating, Add	*1,681.31*	
		For Class 56 Rating, Add	*2,229.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,974.60	795.48
		For Class 52 Rating, Deduct	*-854.63*	
		For Class 54 Rating, Add	*1,179.86*	
		For Class 55 Rating, Add	*1,761.49*	
		For Class 56 Rating, Add	*2,335.34*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,338.29	798.53
		For Class 52 Rating, Deduct	*-894.12*	
		For Class 54 Rating, Add	*1,233.78*	
		For Class 55 Rating, Add	*1,841.67*	
		For Class 56 Rating, Add	*2,441.43*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,701.97	801.57
		For Class 52 Rating, Deduct	*-933.62*	
		For Class 54 Rating, Add	*1,287.69*	
		For Class 55 Rating, Add	*1,921.85*	
		For Class 56 Rating, Add	*2,547.52*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,065.66	804.62
		For Class 52 Rating, Deduct	*-973.12*	
		For Class 54 Rating, Add	*1,341.61*	
		For Class 55 Rating, Add	*2,002.04*	
		For Class 56 Rating, Add	*2,653.62*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,429.34	807.68
		For Class 52 Rating, Deduct	*-1,012.61*	
		For Class 54 Rating, Add	*1,395.52*	
		For Class 55 Rating, Add	*2,082.22*	
		For Class 56 Rating, Add	*2,759.70*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,793.02	810.73
		For Class 52 Rating, Deduct	*-1,052.11*	
		For Class 54 Rating, Add	*1,449.44*	
		For Class 55 Rating, Add	*2,162.40*	
		For Class 56 Rating, Add	*2,865.80*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,156.70	813.77
		For Class 52 Rating, Deduct	*-1,091.61*	
		For Class 54 Rating, Add	*1,503.35*	
		For Class 55 Rating, Add	*2,242.58*	
		For Class 56 Rating, Add	*2,971.88*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,520.39	816.82
		For Class 52 Rating, Deduct	*-1,131.11*	
		For Class 54 Rating, Add	*1,557.27*	
		For Class 55 Rating, Add	*2,322.76*	
		For Class 56 Rating, Add	*3,077.98*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,884.06	819.87
		For Class 52 Rating, Deduct	*-1,170.60*	
		For Class 54 Rating, Add	*1,611.18*	
		For Class 55 Rating, Add	*2,402.95*	
		For Class 56 Rating, Add	*3,184.07*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,247.76	822.90
		For Class 52 Rating, Deduct	*-1,210.10*	
		For Class 54 Rating, Add	*1,665.10*	
		For Class 55 Rating, Add	*2,483.13*	
		For Class 56 Rating, Add	*3,290.16*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,611.43	825.95
		For Class 52 Rating, Deduct	*-1,249.60*	
		For Class 54 Rating, Add	*1,719.01*	
		For Class 55 Rating, Add	*2,563.31*	
		For Class 56 Rating, Add	*3,396.25*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,975.12	829.00
		For Class 52 Rating, Deduct	*-1,289.10*	
		For Class 54 Rating, Add	*1,772.93*	
		For Class 55 Rating, Add	*2,643.49*	
		For Class 56 Rating, Add	*3,502.34*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,338.80	832.06
		For Class 52 Rating, Deduct	*-1,328.59*	
		For Class 54 Rating, Add	*1,826.84*	
		For Class 55 Rating, Add	*2,723.68*	
		For Class 56 Rating, Add	*3,608.43*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,702.48	835.10
		For Class 52 Rating, Deduct	*-1,368.09*	
		For Class 54 Rating, Add	*1,880.76*	
		For Class 55 Rating, Add	*2,803.86*	
		For Class 56 Rating, Add	*3,714.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,066.17	838.15
		For Class 52 Rating, Deduct	*-1,407.59*	
		For Class 54 Rating, Add	*1,934.68*	
		For Class 55 Rating, Add	*2,884.04*	
		For Class 56 Rating, Add	*3,820.61*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,429.85	841.20
		For Class 52 Rating, Deduct	*-1,447.08*	
		For Class 54 Rating, Add	*1,988.59*	
		For Class 55 Rating, Add	*2,964.22*	
		For Class 56 Rating, Add	*3,926.70*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,793.53	844.24
		For Class 52 Rating, Deduct	*-1,486.58*	
		For Class 54 Rating, Add	*2,042.51*	
		For Class 55 Rating, Add	*3,044.40*	
		For Class 56 Rating, Add	*4,032.79*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,157.22	847.29
		For Class 52 Rating, Deduct	*-1,526.08*	
		For Class 54 Rating, Add	*2,096.42*	
		For Class 55 Rating, Add	*3,124.59*	
		For Class 56 Rating, Add	*4,138.88*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,520.89	850.34
		For Class 52 Rating, Deduct	*-1,565.58*	
		For Class 54 Rating, Add	*2,150.34*	
		For Class 55 Rating, Add	*3,204.77*	
		For Class 56 Rating, Add	*4,244.97*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,884.59	853.40
		For Class 52 Rating, Deduct	*-1,605.07*	
		For Class 54 Rating, Add	*2,204.25*	
		For Class 55 Rating, Add	*3,284.95*	
		For Class 56 Rating, Add	*4,351.06*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,248.26	856.44
		For Class 52 Rating, Deduct	*-1,644.57*	
		For Class 54 Rating, Add	*2,258.17*	
		For Class 55 Rating, Add	*3,365.13*	
		For Class 56 Rating, Add	*4,457.15*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,611.95	859.49
		For Class 52 Rating, Deduct	*-1,684.07*	
		For Class 54 Rating, Add	*2,312.08*	
		For Class 55 Rating, Add	*3,445.32*	
		For Class 56 Rating, Add	*4,563.24*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,975.63	862.54
		For Class 52 Rating, Deduct	*-1,723.56*	
		For Class 54 Rating, Add	*2,366.00*	
		For Class 55 Rating, Add	*3,525.50*	
		For Class 56 Rating, Add	*4,669.33*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,339.31	865.57
		For Class 52 Rating, Deduct	*-1,763.06*	
		For Class 54 Rating, Add	*2,419.91*	
		For Class 55 Rating, Add	*3,605.68*	
		For Class 56 Rating, Add	*4,775.42*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,772.56	889.96
		For Class 52 Rating, Deduct	*-376.65*	
		For Class 54 Rating, Add	*529.80*	
		For Class 55 Rating, Add	*795.94*	
		For Class 56 Rating, Add	*1,058.66*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,222.11	893.01
		For Class 52 Rating, Deduct	*-425.60*	
		For Class 54 Rating, Add	*596.60*	
		For Class 55 Rating, Add	*895.27*	
		For Class 56 Rating, Add	*1,190.08*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,671.64	896.06
		For Class 52 Rating, Deduct	*-474.54*	
		For Class 54 Rating, Add	*663.39*	
		For Class 55 Rating, Add	*994.60*	
		For Class 56 Rating, Add	*1,321.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,121.19	899.10
		For Class 52 Rating, Deduct	*-523.48*	
		For Class 54 Rating, Add	*730.18*	
		For Class 55 Rating, Add	*1,093.93*	
		For Class 56 Rating, Add	*1,452.92*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,570.74	902.16
		For Class 52 Rating, Deduct	*-572.42*	
		For Class 54 Rating, Add	*796.98*	
		For Class 55 Rating, Add	*1,193.26*	
		For Class 56 Rating, Add	*1,584.34*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,020.29	905.21
		For Class 52 Rating, Deduct	*-621.36*	
		For Class 54 Rating, Add	*863.77*	
		For Class 55 Rating, Add	*1,292.59*	
		For Class 56 Rating, Add	*1,715.76*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,469.83	908.26
		For Class 52 Rating, Deduct	*-670.31*	
		For Class 54 Rating, Add	*930.57*	
		For Class 55 Rating, Add	*1,391.92*	
		For Class 56 Rating, Add	*1,847.18*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,919.37	911.29
		For Class 52 Rating, Deduct	*-719.25*	
		For Class 54 Rating, Add	*997.36*	
		For Class 55 Rating, Add	*1,491.25*	
		For Class 56 Rating, Add	*1,978.60*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,368.92	914.34
		For Class 52 Rating, Deduct	*-768.19*	
		For Class 54 Rating, Add	*1,064.16*	
		For Class 55 Rating, Add	*1,590.58*	
		For Class 56 Rating, Add	*2,110.02*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,818.47	917.39
		For Class 52 Rating, Deduct	*-817.13*	
		For Class 54 Rating, Add	*1,130.95*	
		For Class 55 Rating, Add	*1,689.91*	
		For Class 56 Rating, Add	*2,241.44*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,268.02	920.43
		For Class 52 Rating, Deduct	*-866.08*	
		For Class 54 Rating, Add	*1,197.75*	
		For Class 55 Rating, Add	*1,789.24*	
		For Class 56 Rating, Add	*2,372.86*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,717.56	923.48
		For Class 52 Rating, Deduct	*-915.02*	
		For Class 54 Rating, Add	*1,264.54*	
		For Class 55 Rating, Add	*1,888.57*	
		For Class 56 Rating, Add	*2,504.28*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,167.12	926.54
		For Class 52 Rating, Deduct	*-963.96*	
		For Class 54 Rating, Add	*1,331.34*	
		For Class 55 Rating, Add	*1,987.90*	
		For Class 56 Rating, Add	*2,635.70*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,616.65	929.59
		For Class 52 Rating, Deduct	*-1,012.90*	
		For Class 54 Rating, Add	*1,398.13*	
		For Class 55 Rating, Add	*2,087.23*	
		For Class 56 Rating, Add	*2,767.12*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,066.20	932.63
		For Class 52 Rating, Deduct	*-1,061.84*	
		For Class 54 Rating, Add	*1,464.92*	
		For Class 55 Rating, Add	*2,186.56*	
		For Class 56 Rating, Add	*2,898.54*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,515.75	935.68
		For Class 52 Rating, Deduct	*-1,110.79*	
		For Class 54 Rating, Add	*1,531.72*	
		For Class 55 Rating, Add	*2,285.89*	
		For Class 56 Rating, Add	*3,029.96*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,965.29	938.73
		For Class 52 Rating, Deduct	*-1,159.73*	
		For Class 54 Rating, Add	*1,598.51*	
		For Class 55 Rating, Add	*2,385.22*	
		For Class 56 Rating, Add	*3,161.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,414.85	941.77
		For Class 52 Rating, Deduct	*-1,208.67*	
		For Class 54 Rating, Add	*1,665.31*	
		For Class 55 Rating, Add	*2,484.55*	
		For Class 56 Rating, Add	*3,292.80*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,864.39	944.82
		For Class 52 Rating, Deduct	*-1,257.61*	
		For Class 54 Rating, Add	*1,732.10*	
		For Class 55 Rating, Add	*2,583.88*	
		For Class 56 Rating, Add	*3,424.22*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,313.92	947.88
		For Class 52 Rating, Deduct	*-1,306.55*	
		For Class 54 Rating, Add	*1,798.90*	
		For Class 55 Rating, Add	*2,683.21*	
		For Class 56 Rating, Add	*3,555.64*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,763.48	950.93
		For Class 52 Rating, Deduct	*-1,355.50*	
		For Class 54 Rating, Add	*1,865.69*	
		For Class 55 Rating, Add	*2,782.54*	
		For Class 56 Rating, Add	*3,687.06*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,213.02	953.96
		For Class 52 Rating, Deduct	*-1,404.44*	
		For Class 54 Rating, Add	*1,932.49*	
		For Class 55 Rating, Add	*2,881.87*	
		For Class 56 Rating, Add	*3,818.48*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,662.58	957.01
		For Class 52 Rating, Deduct	*-1,453.38*	
		For Class 54 Rating, Add	*1,999.28*	
		For Class 55 Rating, Add	*2,981.20*	
		For Class 56 Rating, Add	*3,949.90*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,112.12	960.06
		For Class 52 Rating, Deduct	*-1,502.32*	
		For Class 54 Rating, Add	*2,066.08*	
		For Class 55 Rating, Add	*3,080.53*	
		For Class 56 Rating, Add	*4,081.32*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,561.66	963.11
		For Class 52 Rating, Deduct	*-1,551.27*	
		For Class 54 Rating, Add	*2,132.87*	
		For Class 55 Rating, Add	*3,179.86*	
		For Class 56 Rating, Add	*4,212.74*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,011.21	966.15
		For Class 52 Rating, Deduct	*-1,600.21*	
		For Class 54 Rating, Add	*2,199.67*	
		For Class 55 Rating, Add	*3,279.19*	
		For Class 56 Rating, Add	*4,344.16*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,460.75	969.20
		For Class 52 Rating, Deduct	*-1,649.15*	
		For Class 54 Rating, Add	*2,266.46*	
		For Class 55 Rating, Add	*3,378.52*	
		For Class 56 Rating, Add	*4,475.58*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,910.30	972.26
		For Class 52 Rating, Deduct	*-1,698.09*	
		For Class 54 Rating, Add	*2,333.26*	
		For Class 55 Rating, Add	*3,477.85*	
		For Class 56 Rating, Add	*4,607.00*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,359.85	975.30
		For Class 52 Rating, Deduct	*-1,747.03*	
		For Class 54 Rating, Add	*2,400.05*	
		For Class 55 Rating, Add	*3,577.18*	
		For Class 56 Rating, Add	*4,738.42*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,887.90	1,030.16
		For Class 52 Rating, Deduct	*-1,795.98*	
		For Class 54 Rating, Add	*2,467.79*	
		For Class 55 Rating, Add	*3,678.39*	
		For Class 56 Rating, Add	*4,872.67*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,337.45	1,033.21
		For Class 52 Rating, Deduct	*-1,844.92*	
		For Class 54 Rating, Add	*2,534.58*	
		For Class 55 Rating, Add	*3,777.72*	
		For Class 56 Rating, Add	*5,004.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,786.98	1,036.26
		For Class 52 Rating, Deduct	*-1,893.86*	
		For Class 54 Rating, Add	*2,601.38*	
		For Class 55 Rating, Add	*3,877.05*	
		For Class 56 Rating, Add	*5,135.51*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,236.54	1,039.32
		For Class 52 Rating, Deduct	*-1,942.80*	
		For Class 54 Rating, Add	*2,668.17*	
		For Class 55 Rating, Add	*3,976.38*	
		For Class 56 Rating, Add	*5,266.93*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,686.08	1,042.35
		For Class 52 Rating, Deduct	*-1,991.74*	
		For Class 54 Rating, Add	*2,734.97*	
		For Class 55 Rating, Add	*4,075.71*	
		For Class 56 Rating, Add	*5,398.35*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,135.63	1,045.40
		For Class 52 Rating, Deduct	*-2,040.69*	
		For Class 54 Rating, Add	*2,801.76*	
		For Class 55 Rating, Add	*4,175.04*	
		For Class 56 Rating, Add	*5,529.77*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,585.18	1,048.45
		For Class 52 Rating, Deduct	*-2,089.63*	
		For Class 54 Rating, Add	*2,868.56*	
		For Class 55 Rating, Add	*4,274.37*	
		For Class 56 Rating, Add	*5,661.19*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,034.72	1,051.49
		For Class 52 Rating, Deduct	*-2,138.57*	
		For Class 54 Rating, Add	*2,935.35*	
		For Class 55 Rating, Add	*4,373.70*	
		For Class 56 Rating, Add	*5,792.61*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,484.27	1,054.54
		For Class 52 Rating, Deduct	*-2,187.51*	
		For Class 54 Rating, Add	*3,002.14*	
		For Class 55 Rating, Add	*4,473.03*	
		For Class 56 Rating, Add	*5,924.03*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,314.57	1,255.71
		For Class 52 Rating, Deduct	*-595.32*	
		For Class 54 Rating, Add	*834.63*	
		For Class 55 Rating, Add	*1,252.54*	
		For Class 56 Rating, Add	*1,665.03*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,961.86	1,258.75
		For Class 52 Rating, Deduct	*-666.01*	
		For Class 54 Rating, Add	*931.09*	
		For Class 55 Rating, Add	*1,395.96*	
		For Class 56 Rating, Add	*1,854.79*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,609.16	1,261.80
		For Class 52 Rating, Deduct	*-736.71*	
		For Class 54 Rating, Add	*1,027.54*	
		For Class 55 Rating, Add	*1,539.39*	
		For Class 56 Rating, Add	*2,044.54*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,256.45	1,264.85
		For Class 52 Rating, Deduct	*-807.40*	
		For Class 54 Rating, Add	*1,124.00*	
		For Class 55 Rating, Add	*1,682.82*	
		For Class 56 Rating, Add	*2,234.30*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,903.73	1,267.90
		For Class 52 Rating, Deduct	*-878.10*	
		For Class 54 Rating, Add	*1,220.46*	
		For Class 55 Rating, Add	*1,826.24*	
		For Class 56 Rating, Add	*2,424.05*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,551.03	1,270.93
		For Class 52 Rating, Deduct	*-948.79*	
		For Class 54 Rating, Add	*1,316.91*	
		For Class 55 Rating, Add	*1,969.67*	
		For Class 56 Rating, Add	*2,613.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,198.32	1,273.98
		For Class 52 Rating, Deduct	*-1,019.48*	
		For Class 54 Rating, Add	*1,413.37*	
		For Class 55 Rating, Add	*2,113.10*	
		For Class 56 Rating, Add	*2,803.56*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,845.62	1,277.04
		For Class 52 Rating, Deduct	*-1,090.18*	
		For Class 54 Rating, Add	*1,509.83*	
		For Class 55 Rating, Add	*2,256.53*	
		For Class 56 Rating, Add	*2,993.32*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,492.91	1,280.08
		For Class 52 Rating, Deduct	*-1,160.87*	
		For Class 54 Rating, Add	*1,606.28*	
		For Class 55 Rating, Add	*2,399.95*	
		For Class 56 Rating, Add	*3,183.07*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,140.19	1,283.13
		For Class 52 Rating, Deduct	*-1,231.57*	
		For Class 54 Rating, Add	*1,702.74*	
		For Class 55 Rating, Add	*2,543.38*	
		For Class 56 Rating, Add	*3,372.83*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,787.50	1,286.18
		For Class 52 Rating, Deduct	*-1,302.26*	
		For Class 54 Rating, Add	*1,799.20*	
		For Class 55 Rating, Add	*2,686.81*	
		For Class 56 Rating, Add	*3,562.58*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,434.78	1,289.23
		For Class 52 Rating, Deduct	*-1,372.96*	
		For Class 54 Rating, Add	*1,895.65*	
		For Class 55 Rating, Add	*2,830.24*	
		For Class 56 Rating, Add	*3,752.34*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,082.07	1,292.27
		For Class 52 Rating, Deduct	*-1,443.65*	
		For Class 54 Rating, Add	*1,992.11*	
		For Class 55 Rating, Add	*2,973.66*	
		For Class 56 Rating, Add	*3,942.09*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,729.37	1,295.32
		For Class 52 Rating, Deduct	*-1,514.34*	
		For Class 54 Rating, Add	*2,088.57*	
		For Class 55 Rating, Add	*3,117.09*	
		For Class 56 Rating, Add	*4,131.85*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,376.65	1,298.38
		For Class 52 Rating, Deduct	*-1,585.04*	
		For Class 54 Rating, Add	*2,185.02*	
		For Class 55 Rating, Add	*3,260.52*	
		For Class 56 Rating, Add	*4,321.60*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,023.96	1,301.42
		For Class 52 Rating, Deduct	*-1,655.73*	
		For Class 54 Rating, Add	*2,281.48*	
		For Class 55 Rating, Add	*3,403.94*	
		For Class 56 Rating, Add	*4,511.36*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,671.24	1,304.47
		For Class 52 Rating, Deduct	*-1,726.43*	
		For Class 54 Rating, Add	*2,377.93*	
		For Class 55 Rating, Add	*3,547.37*	
		For Class 56 Rating, Add	*4,701.11*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,318.54	1,307.52
		For Class 52 Rating, Deduct	*-1,797.12*	
		For Class 54 Rating, Add	*2,474.39*	
		For Class 55 Rating, Add	*3,690.80*	
		For Class 56 Rating, Add	*4,890.87*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,965.83	1,310.57
		For Class 52 Rating, Deduct	*-1,867.81*	
		For Class 54 Rating, Add	*2,570.85*	
		For Class 55 Rating, Add	*3,834.23*	
		For Class 56 Rating, Add	*5,080.62*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,613.12	1,313.60
		For Class 52 Rating, Deduct	*-1,938.51*	
		For Class 54 Rating, Add	*2,667.30*	
		For Class 55 Rating, Add	*3,977.65*	
		For Class 56 Rating, Add	*5,270.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,260.42	1,316.65
		For Class 52 Rating, Deduct	*-2,009.20*	
		For Class 54 Rating, Add	*2,763.76*	
		For Class 55 Rating, Add	*4,121.08*	
		For Class 56 Rating, Add	*5,460.13*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,907.70	1,319.70
		For Class 52 Rating, Deduct	*-2,079.90*	
		For Class 54 Rating, Add	*2,860.22*	
		For Class 55 Rating, Add	*4,264.51*	
		For Class 56 Rating, Add	*5,649.89*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,555.00	1,322.74
		For Class 52 Rating, Deduct	*-2,150.59*	
		For Class 54 Rating, Add	*2,956.67*	
		For Class 55 Rating, Add	*4,407.94*	
		For Class 56 Rating, Add	*5,839.64*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,202.29	1,325.80
		For Class 52 Rating, Deduct	*-2,221.29*	
		For Class 54 Rating, Add	*3,053.13*	
		For Class 55 Rating, Add	*4,551.36*	
		For Class 56 Rating, Add	*6,029.40*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,849.59	1,328.85
		For Class 52 Rating, Deduct	*-2,291.98*	
		For Class 54 Rating, Add	*3,149.59*	
		For Class 55 Rating, Add	*4,694.79*	
		For Class 56 Rating, Add	*6,219.16*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,496.87	1,331.90
		For Class 52 Rating, Deduct	*-2,362.67*	
		For Class 54 Rating, Add	*3,246.04*	
		For Class 55 Rating, Add	*4,838.22*	
		For Class 56 Rating, Add	*6,408.91*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,144.16	1,334.94
		For Class 52 Rating, Deduct	*-2,433.37*	
		For Class 54 Rating, Add	*3,342.50*	
		For Class 55 Rating, Add	*4,981.64*	
		For Class 56 Rating, Add	*6,598.66*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,791.46	1,337.99
		For Class 52 Rating, Deduct	*-2,504.06*	
		For Class 54 Rating, Add	*3,438.96*	
		For Class 55 Rating, Add	*5,125.07*	
		For Class 56 Rating, Add	*6,788.42*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,438.75	1,341.04
		For Class 52 Rating, Deduct	*-2,574.76*	
		For Class 54 Rating, Add	*3,535.41*	
		For Class 55 Rating, Add	*5,268.50*	
		For Class 56 Rating, Add	*6,978.17*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,086.05	1,344.10
		For Class 52 Rating, Deduct	*-2,645.45*	
		For Class 54 Rating, Add	*3,631.87*	
		For Class 55 Rating, Add	*5,411.93*	
		For Class 56 Rating, Add	*7,167.93*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,733.33	1,347.14
		For Class 52 Rating, Deduct	*-2,716.14*	
		For Class 54 Rating, Add	*3,728.33*	
		For Class 55 Rating, Add	*5,555.35*	
		For Class 56 Rating, Add	*7,357.68*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,380.63	1,350.19
		For Class 52 Rating, Deduct	*-2,786.84*	
		For Class 54 Rating, Add	*3,824.78*	
		For Class 55 Rating, Add	*5,698.78*	
		For Class 56 Rating, Add	*7,547.44*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,027.92	1,353.24
		For Class 52 Rating, Deduct	*-2,857.53*	
		For Class 54 Rating, Add	*3,921.24*	
		For Class 55 Rating, Add	*5,842.21*	
		For Class 56 Rating, Add	*7,737.20*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,675.20	1,356.27
		For Class 52 Rating, Deduct	*-2,928.23*	
		For Class 54 Rating, Add	*4,017.70*	
		For Class 55 Rating, Add	*5,985.63*	
		For Class 56 Rating, Add	*7,926.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,322.51	1,359.32
		For Class 52 Rating, Deduct	*-2,998.92*	
		For Class 54 Rating, Add	*4,114.15*	
		For Class 55 Rating, Add	*6,129.06*	
		For Class 56 Rating, Add	*8,116.71*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,969.79	1,362.37
		For Class 52 Rating, Deduct	*-3,069.61*	
		For Class 54 Rating, Add	*4,210.61*	
		For Class 55 Rating, Add	*6,272.49*	
		For Class 56 Rating, Add	*8,306.46*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,617.10	1,365.42
		For Class 52 Rating, Deduct	*-3,140.31*	
		For Class 54 Rating, Add	*4,307.07*	
		For Class 55 Rating, Add	*6,415.92*	
		For Class 56 Rating, Add	*8,496.22*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,264.38	1,368.46
		For Class 52 Rating, Deduct	*-3,211.00*	
		For Class 54 Rating, Add	*4,403.52*	
		For Class 55 Rating, Add	*6,559.34*	
		For Class 56 Rating, Add	*8,685.97*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,117.44	1,590.96
		For Class 52 Rating, Deduct	*-847.76*	
		For Class 54 Rating, Add	*1,184.96*	
		For Class 55 Rating, Add	*1,776.49*	
		For Class 56 Rating, Add	*2,360.31*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,996.29	1,594.01
		For Class 52 Rating, Deduct	*-943.92*	
		For Class 54 Rating, Add	*1,316.15*	
		For Class 55 Rating, Add	*1,971.56*	
		For Class 56 Rating, Add	*2,618.38*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,875.17	1,597.05
		For Class 52 Rating, Deduct	*-1,040.09*	
		For Class 54 Rating, Add	*1,447.34*	
		For Class 55 Rating, Add	*2,166.62*	
		For Class 56 Rating, Add	*2,876.45*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,754.02	1,600.10
		For Class 52 Rating, Deduct	*-1,136.26*	
		For Class 54 Rating, Add	*1,578.54*	
		For Class 55 Rating, Add	*2,361.69*	
		For Class 56 Rating, Add	*3,134.52*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,632.88	1,603.16
		For Class 52 Rating, Deduct	*-1,232.43*	
		For Class 54 Rating, Add	*1,709.73*	
		For Class 55 Rating, Add	*2,556.76*	
		For Class 56 Rating, Add	*3,392.59*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,511.75	1,606.20
		For Class 52 Rating, Deduct	*-1,328.59*	
		For Class 54 Rating, Add	*1,840.92*	
		For Class 55 Rating, Add	*2,751.83*	
		For Class 56 Rating, Add	*3,650.65*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,390.61	1,609.25
		For Class 52 Rating, Deduct	*-1,424.76*	
		For Class 54 Rating, Add	*1,972.11*	
		For Class 55 Rating, Add	*2,946.89*	
		For Class 56 Rating, Add	*3,908.72*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,269.47	1,612.30
		For Class 52 Rating, Deduct	*-1,520.93*	
		For Class 54 Rating, Add	*2,103.30*	
		For Class 55 Rating, Add	*3,141.96*	
		For Class 56 Rating, Add	*4,166.79*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,148.34	1,615.35
		For Class 52 Rating, Deduct	*-1,617.09*	
		For Class 54 Rating, Add	*2,234.50*	
		For Class 55 Rating, Add	*3,337.03*	
		For Class 56 Rating, Add	*4,424.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,027.19	1,618.39
		For Class 52 Rating, Deduct	*-1,713.26*	
		For Class 54 Rating, Add	*2,365.69*	
		For Class 55 Rating, Add	*3,532.10*	
		For Class 56 Rating, Add	*4,682.93*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,906.07	1,621.43
		For Class 52 Rating, Deduct	*-1,809.43*	
		For Class 54 Rating, Add	*2,496.88*	
		For Class 55 Rating, Add	*3,727.16*	
		For Class 56 Rating, Add	*4,941.00*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,784.92	1,624.49
		For Class 52 Rating, Deduct	*-1,905.59*	
		For Class 54 Rating, Add	*2,628.07*	
		For Class 55 Rating, Add	*3,922.23*	
		For Class 56 Rating, Add	*5,199.06*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,663.79	1,627.53
		For Class 52 Rating, Deduct	*-2,001.76*	
		For Class 54 Rating, Add	*2,759.27*	
		For Class 55 Rating, Add	*4,117.30*	
		For Class 56 Rating, Add	*5,457.13*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,542.65	1,630.58
		For Class 52 Rating, Deduct	*-2,097.93*	
		For Class 54 Rating, Add	*2,890.46*	
		For Class 55 Rating, Add	*4,312.37*	
		For Class 56 Rating, Add	*5,715.20*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,421.52	1,633.63
		For Class 52 Rating, Deduct	*-2,194.10*	
		For Class 54 Rating, Add	*3,021.65*	
		For Class 55 Rating, Add	*4,507.43*	
		For Class 56 Rating, Add	*5,973.27*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,300.38	1,636.68
		For Class 52 Rating, Deduct	*-2,290.26*	
		For Class 54 Rating, Add	*3,152.84*	
		For Class 55 Rating, Add	*4,702.50*	
		For Class 56 Rating, Add	*6,231.34*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,179.24	1,639.72
		For Class 52 Rating, Deduct	*-2,386.43*	
		For Class 54 Rating, Add	*3,284.03*	
		For Class 55 Rating, Add	*4,897.57*	
		For Class 56 Rating, Add	*6,489.41*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,058.10	1,642.77
		For Class 52 Rating, Deduct	*-2,482.60*	
		For Class 54 Rating, Add	*3,415.23*	
		For Class 55 Rating, Add	*5,092.64*	
		For Class 56 Rating, Add	*6,747.48*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,936.97	1,645.82
		For Class 52 Rating, Deduct	*-2,578.76*	
		For Class 54 Rating, Add	*3,546.42*	
		For Class 55 Rating, Add	*5,287.70*	
		For Class 56 Rating, Add	*7,005.55*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,815.83	1,648.88
		For Class 52 Rating, Deduct	*-2,674.93*	
		For Class 54 Rating, Add	*3,677.61*	
		For Class 55 Rating, Add	*5,482.77*	
		For Class 56 Rating, Add	*7,263.61*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,694.69	1,651.92
		For Class 52 Rating, Deduct	*-2,771.10*	
		For Class 54 Rating, Add	*3,808.80*	
		For Class 55 Rating, Add	*5,677.84*	
		For Class 56 Rating, Add	*7,521.68*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,573.55	1,654.97
		For Class 52 Rating, Deduct	*-2,867.26*	
		For Class 54 Rating, Add	*3,939.99*	
		For Class 55 Rating, Add	*5,872.91*	
		For Class 56 Rating, Add	*7,779.75*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,452.42	1,658.02
		For Class 52 Rating, Deduct	*-2,963.43*	
		For Class 54 Rating, Add	*4,071.19*	
		For Class 55 Rating, Add	*6,067.97*	
		For Class 56 Rating, Add	*8,037.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,331.28	1,661.06
		For Class 52 Rating, Deduct	*-3,059.60*	
		For Class 54 Rating, Add	*4,202.38*	
		For Class 55 Rating, Add	*6,263.04*	
		For Class 56 Rating, Add	*8,295.89*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,210.15	1,664.11
		For Class 52 Rating, Deduct	*-3,155.76*	
		For Class 54 Rating, Add	*4,333.57*	
		For Class 55 Rating, Add	*6,458.11*	
		For Class 56 Rating, Add	*8,553.96*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,089.01	1,667.15
		For Class 52 Rating, Deduct	*-3,251.93*	
		For Class 54 Rating, Add	*4,464.76*	
		For Class 55 Rating, Add	*6,653.18*	
		For Class 56 Rating, Add	*8,812.03*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,967.87	1,670.21
		For Class 52 Rating, Deduct	*-3,348.10*	
		For Class 54 Rating, Add	*4,595.96*	
		For Class 55 Rating, Add	*6,848.24*	
		For Class 56 Rating, Add	*9,070.09*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,846.74	1,673.24
		For Class 52 Rating, Deduct	*-3,444.27*	
		For Class 54 Rating, Add	*4,727.15*	
		For Class 55 Rating, Add	*7,043.31*	
		For Class 56 Rating, Add	*9,328.16*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,725.59	1,676.30
		For Class 52 Rating, Deduct	*-3,540.43*	
		For Class 54 Rating, Add	*4,858.34*	
		For Class 55 Rating, Add	*7,238.38*	
		For Class 56 Rating, Add	*9,586.23*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,604.47	1,679.35
		For Class 52 Rating, Deduct	*-3,636.60*	
		For Class 54 Rating, Add	*4,989.53*	
		For Class 55 Rating, Add	*7,433.45*	
		For Class 56 Rating, Add	*9,844.30*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,483.32	1,682.39
		For Class 52 Rating, Deduct	*-3,732.77*	
		For Class 54 Rating, Add	*5,120.72*	
		For Class 55 Rating, Add	*7,628.51*	
		For Class 56 Rating, Add	*10,102.37*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,362.20	1,685.44
		For Class 52 Rating, Deduct	*-3,828.93*	
		For Class 54 Rating, Add	*5,251.92*	
		For Class 55 Rating, Add	*7,823.58*	
		For Class 56 Rating, Add	*10,360.44*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,241.05	1,688.49
		For Class 52 Rating, Deduct	*-3,925.10*	
		For Class 54 Rating, Add	*5,383.11*	
		For Class 55 Rating, Add	*8,018.65*	
		For Class 56 Rating, Add	*10,618.50*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,119.91	1,691.54
		For Class 52 Rating, Deduct	*-4,021.27*	
		For Class 54 Rating, Add	*5,514.30*	
		For Class 55 Rating, Add	*8,213.72*	
		For Class 56 Rating, Add	*10,876.57*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,998.78	1,694.58
		For Class 52 Rating, Deduct	*-4,117.43*	
		For Class 54 Rating, Add	*5,645.49*	
		For Class 55 Rating, Add	*8,408.78*	
		For Class 56 Rating, Add	*11,134.64*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,877.64	1,697.64
		For Class 52 Rating, Deduct	*-4,213.60*	
		For Class 54 Rating, Add	*5,776.69*	
		For Class 55 Rating, Add	*8,603.85*	
		For Class 56 Rating, Add	*11,392.71*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,756.51	1,700.69
		For Class 52 Rating, Deduct	*-4,309.77*	
		For Class 54 Rating, Add	*5,907.88*	
		For Class 55 Rating, Add	*8,798.92*	
		For Class 56 Rating, Add	*11,650.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,635.37	1,703.73
		For Class 52 Rating, Deduct	*-4,405.94*	
		For Class 54 Rating, Add	*6,039.07*	
		For Class 55 Rating, Add	*8,993.99*	
		For Class 56 Rating, Add	*11,908.85*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,370.81	2,005.47
		For Class 52 Rating, Deduct	*-1,136.54*	
		For Class 54 Rating, Add	*1,586.30*	
		For Class 55 Rating, Add	*2,377.01*	
		For Class 56 Rating, Add	*3,157.39*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,681.59	2,008.51
		For Class 52 Rating, Deduct	*-1,280.22*	
		For Class 54 Rating, Add	*1,782.28*	
		For Class 55 Rating, Add	*2,668.40*	
		For Class 56 Rating, Add	*3,542.88*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,976.75	2,011.56
		For Class 52 Rating, Deduct	*-1,422.18*	
		For Class 54 Rating, Add	*1,975.91*	
		For Class 55 Rating, Add	*2,956.30*	
		For Class 56 Rating, Add	*3,923.76*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,284.94	2,014.61
		For Class 52 Rating, Deduct	*-1,565.58*	
		For Class 54 Rating, Add	*2,171.50*	
		For Class 55 Rating, Add	*3,247.11*	
		For Class 56 Rating, Add	*4,308.48*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,580.10	2,017.66
		For Class 52 Rating, Deduct	*-1,707.54*	
		For Class 54 Rating, Add	*2,365.14*	
		For Class 55 Rating, Add	*3,535.01*	
		For Class 56 Rating, Add	*4,689.35*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,890.90	2,020.69
		For Class 52 Rating, Deduct	*-1,851.21*	
		For Class 54 Rating, Add	*2,561.12*	
		For Class 55 Rating, Add	*3,826.40*	
		For Class 56 Rating, Add	*5,074.84*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,183.46	2,023.75
		For Class 52 Rating, Deduct	*-1,992.89*	
		For Class 54 Rating, Add	*2,754.37*	
		For Class 55 Rating, Add	*4,113.72*	
		For Class 56 Rating, Add	*5,454.95*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,494.23	2,026.80
		For Class 52 Rating, Deduct	*-2,136.57*	
		For Class 54 Rating, Add	*2,950.35*	
		For Class 55 Rating, Add	*4,405.10*	
		For Class 56 Rating, Add	*5,840.43*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,789.42	2,029.85
		For Class 52 Rating, Deduct	*-2,278.53*	
		For Class 54 Rating, Add	*3,143.99*	
		For Class 55 Rating, Add	*4,693.01*	
		For Class 56 Rating, Add	*6,221.32*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,097.59	2,032.89
		For Class 52 Rating, Deduct	*-2,421.92*	
		For Class 54 Rating, Add	*3,339.58*	
		For Class 55 Rating, Add	*4,983.81*	
		For Class 56 Rating, Add	*6,606.03*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,392.76	2,035.94
		For Class 52 Rating, Deduct	*-2,563.88*	
		For Class 54 Rating, Add	*3,533.22*	
		For Class 55 Rating, Add	*5,271.72*	
		For Class 56 Rating, Add	*6,986.91*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,700.94	2,038.99
		For Class 52 Rating, Deduct	*-2,707.27*	
		For Class 54 Rating, Add	*3,728.81*	
		For Class 55 Rating, Add	*5,562.52*	
		For Class 56 Rating, Add	*7,371.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,996.10	2,042.03
		For Class 52 Rating, Deduct	*-2,849.23*	
		For Class 54 Rating, Add	*3,922.44*	
		For Class 55 Rating, Add	*5,850.43*	
		For Class 56 Rating, Add	*7,752.51*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,293.89	2,045.08
		For Class 52 Rating, Deduct	*-2,991.48*	
		For Class 54 Rating, Add	*4,116.47*	
		For Class 55 Rating, Add	*6,138.91*	
		For Class 56 Rating, Add	*8,134.15*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,599.46	2,048.14
		For Class 52 Rating, Deduct	*-3,134.59*	
		For Class 54 Rating, Add	*4,311.67*	
		For Class 55 Rating, Add	*6,429.14*	
		For Class 56 Rating, Add	*8,518.10*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,894.63	2,051.19
		For Class 52 Rating, Deduct	*-3,276.55*	
		For Class 54 Rating, Add	*4,505.31*	
		For Class 55 Rating, Add	*6,717.04*	
		For Class 56 Rating, Add	*8,898.98*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,205.41	2,054.23
		For Class 52 Rating, Deduct	*-3,420.22*	
		For Class 54 Rating, Add	*4,701.29*	
		For Class 55 Rating, Add	*7,008.42*	
		For Class 56 Rating, Add	*9,284.47*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,500.58	2,057.28
		For Class 52 Rating, Deduct	*-3,562.19*	
		For Class 54 Rating, Add	*4,894.93*	
		For Class 55 Rating, Add	*7,296.33*	
		For Class 56 Rating, Add	*9,665.35*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,808.76	2,060.33
		For Class 52 Rating, Deduct	*-3,705.58*	
		For Class 54 Rating, Add	*5,090.52*	
		For Class 55 Rating, Add	*7,587.14*	
		For Class 56 Rating, Add	*10,050.06*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,103.93	2,063.36
		For Class 52 Rating, Deduct	*-3,847.54*	
		For Class 54 Rating, Add	*5,284.16*	
		For Class 55 Rating, Add	*7,875.04*	
		For Class 56 Rating, Add	*10,430.94*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,414.71	2,066.41
		For Class 52 Rating, Deduct	*-3,991.21*	
		For Class 54 Rating, Add	*5,480.14*	
		For Class 55 Rating, Add	*8,166.42*	
		For Class 56 Rating, Add	*10,816.43*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,709.89	2,069.47
		For Class 52 Rating, Deduct	*-4,133.18*	
		For Class 54 Rating, Add	*5,673.78*	
		For Class 55 Rating, Add	*8,454.33*	
		For Class 56 Rating, Add	*11,197.31*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,018.07	2,072.52
		For Class 52 Rating, Deduct	*-4,276.57*	
		For Class 54 Rating, Add	*5,869.37*	
		For Class 55 Rating, Add	*8,745.13*	
		For Class 56 Rating, Add	*11,582.02*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,313.23	2,075.56
		For Class 52 Rating, Deduct	*-4,418.53*	
		For Class 54 Rating, Add	*6,063.00*	
		For Class 55 Rating, Add	*9,033.04*	
		For Class 56 Rating, Add	*11,962.90*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,624.01	2,078.61
		For Class 52 Rating, Deduct	*-4,562.21*	
		For Class 54 Rating, Add	*6,258.98*	
		For Class 55 Rating, Add	*9,324.42*	
		For Class 56 Rating, Add	*12,348.39*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,919.19	2,081.66
		For Class 52 Rating, Deduct	*-4,704.17*	
		For Class 54 Rating, Add	*6,452.62*	
		For Class 55 Rating, Add	*9,612.33*	
		For Class 56 Rating, Add	*12,729.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,224.77	2,084.70
		For Class 52 Rating, Deduct	*-4,847.27*	
		For Class 54 Rating, Add	*6,647.82*	
		For Class 55 Rating, Add	*9,902.55*	
		For Class 56 Rating, Add	*13,113.22*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,522.54	2,087.75
		For Class 52 Rating, Deduct	*-4,989.52*	
		For Class 54 Rating, Add	*6,841.85*	
		For Class 55 Rating, Add	*10,191.04*	
		For Class 56 Rating, Add	*13,494.86*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,557.51	2,090.80
		For Class 52 Rating, Deduct	*-5,102.86*	
		For Class 54 Rating, Add	*6,996.46*	
		For Class 55 Rating, Add	*10,420.92*	
		For Class 56 Rating, Add	*13,798.98*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,125.89	2,093.86
		For Class 52 Rating, Deduct	*-5,274.87*	
		For Class 54 Rating, Add	*7,231.08*	
		For Class 55 Rating, Add	*10,769.75*	
		For Class 56 Rating, Add	*14,260.46*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,421.06	2,096.90
		For Class 52 Rating, Deduct	*-5,416.83*	
		For Class 54 Rating, Add	*7,424.72*	
		For Class 55 Rating, Add	*11,057.65*	
		For Class 56 Rating, Add	*14,641.34*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,729.23	2,099.95
		For Class 52 Rating, Deduct	*-5,560.23*	
		For Class 54 Rating, Add	*7,620.31*	
		For Class 55 Rating, Add	*11,348.45*	
		For Class 56 Rating, Add	*15,026.05*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,024.41	2,103.00
		For Class 52 Rating, Deduct	*-5,702.19*	
		For Class 54 Rating, Add	*7,813.94*	
		For Class 55 Rating, Add	*11,636.36*	
		For Class 56 Rating, Add	*15,406.93*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,335.19	2,106.05
		For Class 52 Rating, Deduct	*-5,845.86*	
		For Class 54 Rating, Add	*8,009.92*	
		For Class 55 Rating, Add	*11,927.74*	
		For Class 56 Rating, Add	*15,792.42*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,627.76	2,109.08
		For Class 52 Rating, Deduct	*-5,987.54*	
		For Class 54 Rating, Add	*8,203.17*	
		For Class 55 Rating, Add	*12,215.07*	
		For Class 56 Rating, Add	*16,172.53*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,938.54	2,112.13
		For Class 52 Rating, Deduct	*-6,131.22*	
		For Class 54 Rating, Add	*8,399.15*	
		For Class 55 Rating, Add	*12,506.45*	
		For Class 56 Rating, Add	*16,558.01*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,233.70	2,115.19
		For Class 52 Rating, Deduct	*-6,273.18*	
		For Class 54 Rating, Add	*8,592.79*	
		For Class 55 Rating, Add	*12,794.36*	
		For Class 56 Rating, Add	*16,938.89*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,541.89	2,118.22
		For Class 52 Rating, Deduct	*-6,416.57*	
		For Class 54 Rating, Add	*8,788.38*	
		For Class 55 Rating, Add	*13,085.16*	
		For Class 56 Rating, Add	*17,323.61*	
40 05 19 00-1541		48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,255.32	2,520.54
		For Class 52 Rating, Deduct	*-1,477.99*	
		For Class 54 Rating, Add	*2,061.27*	
		For Class 55 Rating, Add	*3,087.95*	
		For Class 56 Rating, Add	*4,101.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,161.94	2,523.59
		For Class 52 Rating, Deduct	*-1,687.22*	
		For Class 54 Rating, Add	*2,346.63*	
		For Class 55 Rating, Add	*3,512.21*	
		For Class 56 Rating, Add	*4,662.45*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,065.97	2,526.64
		For Class 52 Rating, Deduct	*-1,896.15*	
		For Class 54 Rating, Add	*2,631.60*	
		For Class 55 Rating, Add	*3,935.89*	
		For Class 56 Rating, Add	*5,222.94*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,985.59	2,529.69
		For Class 52 Rating, Deduct	*-2,106.80*	
		For Class 54 Rating, Add	*2,918.90*	
		For Class 55 Rating, Add	*4,363.05*	
		For Class 56 Rating, Add	*5,788.04*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,892.21	2,532.73
		For Class 52 Rating, Deduct	*-2,316.02*	
		For Class 54 Rating, Add	*3,204.26*	
		For Class 55 Rating, Add	*4,787.31*	
		For Class 56 Rating, Add	*6,349.30*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,798.84	2,535.78
		For Class 52 Rating, Deduct	*-2,525.24*	
		For Class 54 Rating, Add	*3,489.62*	
		For Class 55 Rating, Add	*5,211.56*	
		For Class 56 Rating, Add	*6,910.55*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,715.86	2,538.84
		For Class 52 Rating, Deduct	*-2,735.61*	
		For Class 54 Rating, Add	*3,776.53*	
		For Class 55 Rating, Add	*5,638.14*	
		For Class 56 Rating, Add	*7,474.88*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,625.10	2,541.88
		For Class 52 Rating, Deduct	*-2,945.11*	
		For Class 54 Rating, Add	*4,062.28*	
		For Class 55 Rating, Add	*6,062.98*	
		For Class 56 Rating, Add	*8,036.91*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,529.11	2,544.93
		For Class 52 Rating, Deduct	*-3,154.05*	
		For Class 54 Rating, Add	*4,347.25*	
		For Class 55 Rating, Add	*6,486.66*	
		For Class 56 Rating, Add	*8,597.40*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,448.73	2,547.98
		For Class 52 Rating, Deduct	*-3,364.70*	
		For Class 54 Rating, Add	*4,634.55*	
		For Class 55 Rating, Add	*6,913.82*	
		For Class 56 Rating, Add	*9,162.49*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,355.37	2,551.03
		For Class 52 Rating, Deduct	*-3,573.92*	
		For Class 54 Rating, Add	*4,919.91*	
		For Class 55 Rating, Add	*7,338.07*	
		For Class 56 Rating, Add	*9,723.75*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,274.99	2,554.06
		For Class 52 Rating, Deduct	*-3,784.57*	
		For Class 54 Rating, Add	*5,207.22*	
		For Class 55 Rating, Add	*7,765.23*	
		For Class 56 Rating, Add	*10,288.84*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,179.02	2,557.11
		For Class 52 Rating, Deduct	*-3,993.50*	
		For Class 54 Rating, Add	*5,492.18*	
		For Class 55 Rating, Add	*8,188.91*	
		For Class 56 Rating, Add	*10,849.33*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,085.63	2,560.17
		For Class 52 Rating, Deduct	*-4,202.72*	
		For Class 54 Rating, Add	*5,777.54*	
		For Class 55 Rating, Add	*8,613.17*	
		For Class 56 Rating, Add	*11,410.59*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,005.26	2,563.22
		For Class 52 Rating, Deduct	*-4,413.38*	
		For Class 54 Rating, Add	*6,064.85*	
		For Class 55 Rating, Add	*9,040.33*	
		For Class 56 Rating, Add	*11,975.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,911.89	2,566.26
		For Class 52 Rating, Deduct	*-4,622.60*	
		For Class 54 Rating, Add	*6,350.20*	
		For Class 55 Rating, Add	*9,464.58*	
		For Class 56 Rating, Add	*12,536.94*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,815.90	2,569.31
		For Class 52 Rating, Deduct	*-4,831.53*	
		For Class 54 Rating, Add	*6,635.17*	
		For Class 55 Rating, Add	*9,888.26*	
		For Class 56 Rating, Add	*13,097.43*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,735.53	2,572.36
		For Class 52 Rating, Deduct	*-5,042.18*	
		For Class 54 Rating, Add	*6,922.47*	
		For Class 55 Rating, Add	*10,315.42*	
		For Class 56 Rating, Add	*13,662.53*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,642.16	2,575.40
		For Class 52 Rating, Deduct	*-5,251.40*	
		For Class 54 Rating, Add	*7,207.83*	
		For Class 55 Rating, Add	*10,739.68*	
		For Class 56 Rating, Add	*14,223.79*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,546.18	2,578.45
		For Class 52 Rating, Deduct	*-5,460.34*	
		For Class 54 Rating, Add	*7,492.80*	
		For Class 55 Rating, Add	*11,163.35*	
		For Class 56 Rating, Add	*14,784.27*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,465.81	2,581.50
		For Class 52 Rating, Deduct	*-5,670.99*	
		For Class 54 Rating, Add	*7,780.10*	
		For Class 55 Rating, Add	*11,590.51*	
		For Class 56 Rating, Add	*15,349.37*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,375.03	2,584.56
		For Class 52 Rating, Deduct	*-5,880.50*	
		For Class 54 Rating, Add	*8,065.85*	
		For Class 55 Rating, Add	*12,015.35*	
		For Class 56 Rating, Add	*15,911.40*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,279.05	2,587.60
		For Class 52 Rating, Deduct	*-6,089.43*	
		For Class 54 Rating, Add	*8,350.81*	
		For Class 55 Rating, Add	*12,439.03*	
		For Class 56 Rating, Add	*16,471.88*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,198.68	2,590.65
		For Class 52 Rating, Deduct	*-6,300.08*	
		For Class 54 Rating, Add	*8,638.12*	
		For Class 55 Rating, Add	*12,866.19*	
		For Class 56 Rating, Add	*17,036.98*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,105.31	2,593.70
		For Class 52 Rating, Deduct	*-6,509.30*	
		For Class 54 Rating, Add	*8,923.48*	
		For Class 55 Rating, Add	*13,290.45*	
		For Class 56 Rating, Add	*17,598.24*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,009.32	2,596.73
		For Class 52 Rating, Deduct	*-6,718.24*	
		For Class 54 Rating, Add	*9,208.44*	
		For Class 55 Rating, Add	*13,714.12*	
		For Class 56 Rating, Add	*18,158.73*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,928.95	2,599.78
		For Class 52 Rating, Deduct	*-6,928.89*	
		For Class 54 Rating, Add	*9,495.75*	
		For Class 55 Rating, Add	*14,141.28*	
		For Class 56 Rating, Add	*18,723.82*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,835.57	2,602.83
		For Class 52 Rating, Deduct	*-7,138.11*	
		For Class 54 Rating, Add	*9,781.11*	
		For Class 55 Rating, Add	*14,565.54*	
		For Class 56 Rating, Add	*19,285.08*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,508.03	2,605.89
		For Class 52 Rating, Deduct	*-7,321.57*	
		For Class 54 Rating, Add	*10,031.34*	
		For Class 55 Rating, Add	*14,937.58*	
		For Class 56 Rating, Add	*19,777.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,661.83	2,608.93
		For Class 52 Rating, Deduct	*-7,557.98*	
		For Class 54 Rating, Add	*10,353.77*	
		For Class 55 Rating, Add	*15,416.96*	
		For Class 56 Rating, Add	*20,411.43*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,565.84	2,611.98
		For Class 52 Rating, Deduct	*-7,766.91*	
		For Class 54 Rating, Add	*10,638.74*	
		For Class 55 Rating, Add	*15,840.63*	
		For Class 56 Rating, Add	*20,971.92*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,488.08	2,615.03
		For Class 52 Rating, Deduct	*-7,977.85*	
		For Class 54 Rating, Add	*10,926.43*	
		For Class 55 Rating, Add	*16,268.37*	
		For Class 56 Rating, Add	*21,537.78*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,392.10	2,618.07
		For Class 52 Rating, Deduct	*-8,186.79*	
		For Class 54 Rating, Add	*11,211.40*	
		For Class 55 Rating, Add	*16,692.05*	
		For Class 56 Rating, Add	*22,098.27*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,296.12	2,621.12
		For Class 52 Rating, Deduct	*-8,395.72*	
		For Class 54 Rating, Add	*11,496.36*	
		For Class 55 Rating, Add	*17,115.73*	
		For Class 56 Rating, Add	*22,658.76*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,218.36	2,624.17
		For Class 52 Rating, Deduct	*-8,606.66*	
		For Class 54 Rating, Add	*11,784.06*	
		For Class 55 Rating, Add	*17,543.47*	
		For Class 56 Rating, Add	*23,224.63*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,122.37	2,627.22
		For Class 52 Rating, Deduct	*-8,815.59*	
		For Class 54 Rating, Add	*12,069.03*	
		For Class 55 Rating, Add	*17,967.14*	
		For Class 56 Rating, Add	*23,785.12*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	86,028.99	2,630.26
		For Class 52 Rating, Deduct	*-9,024.81*	
		For Class 54 Rating, Add	*12,354.38*	
		For Class 55 Rating, Add	*18,391.40*	
		For Class 56 Rating, Add	*24,346.37*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,948.62	2,633.32
		For Class 52 Rating, Deduct	*-9,235.46*	
		For Class 54 Rating, Add	*12,641.69*	
		For Class 55 Rating, Add	*18,818.56*	
		For Class 56 Rating, Add	*24,911.47*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	439.71	147.05
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	620.58	188.04
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	875.30	212.99
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,286.31	270.03
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,596.88	299.43
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,997.03	325.28
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,460.15	401.03
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,234.02	481.24
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,981.98	606.00
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	6,090.63	686.20
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,277.34	908.99
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	14,604.85	1,029.31
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,536.82	1,176.35
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	32,687.69	1,443.70

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	415.96	147.05
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	582.58	188.04
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	778.72	212.99
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,146.98	270.03
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,419.54	299.43
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,636.03	325.28
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,061.14	401.03
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,697.26	481.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,492.72	606.00
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,614.94	686.20
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	9,197.49	908.99
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,816.34	1,029.31
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	21,146.84	1,176.35
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	28,852.80	1,443.70
40 05 19 00-1610		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	414.38	147.05
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	569.91	188.04
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	767.63	212.99
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,115.31	270.03
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,489.21	299.43
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,856.11	325.28
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,110.23	401.03
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,757.42	481.24
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,753.98	606.00
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,210.28	686.20
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,303.57	908.99
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	14,060.18	1,029.31
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	21,632.93	1,176.35
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	29,486.14	1,443.70
40 05 19 00-1625		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	453.96	147.05
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	644.33	188.04
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	799.30	212.99
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,227.73	270.03
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,696.63	299.43
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,909.95	325.28
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,335.07	401.03
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,757.42	481.24
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,753.98	606.00
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,424.03	686.20
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,409.66	908.99
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	14,164.68	1,029.31
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	21,743.77	1,176.35
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	29,709.39	1,443.70
40 05 19 00-1640		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	587.94	167.54
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	728.77	180.02
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	821.57	200.52
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,104.47	208.54
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,165.62	229.04
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,274.77	241.51
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,187.60	223.69
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,338.99	244.18
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,541.56	256.66
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,641.78	285.18
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,541.56	256.66
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,709.30	269.14
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,904.51	297.65
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,109.55	312.80
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,777.87	294.54
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,918.68	307.00
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,204.15	335.52
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,406.94	350.23
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,578.52	363.16
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,080.88	334.64
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,494.05	347.12
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,567.34	375.63
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,711.53	390.33
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,943.28	403.26
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,209.67	441.14
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,688.41	397.01
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,870.39	409.49
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,564.38	438.01
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,699.06	452.72
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,082.83	465.63
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,989.79	503.51
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,246.88	543.61
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,791.03	437.12
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,974.60	449.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,277.48	478.11
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,496.10	492.82
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,906.76	505.75
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,288.74	543.61
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,414.41	583.72
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,697.54	577.27
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,780.25	604.21
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,219.41	617.14
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,141.32	655.01
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,468.76	695.12
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,951.89	757.50
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,566.83	797.60
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,352.51	664.37
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,127.14	677.29
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,849.07	715.17
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,873.88	755.27
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,308.13	817.65
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,421.83	857.76
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,315.79	969.16
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,576.93	750.81
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,969.54	788.69
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,832.62	828.79
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,526.55	891.18
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,160.03	931.28
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	19,045.85	1,042.68
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,920.79	1,102.83
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,764.02	1,076.09
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,018.09	1,187.49
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,837.57	1,247.64
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	36,895.86	1,321.17
40 05 19 00-1705		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** *(40 05 19 00-0001)*		
40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	526.80	147.05
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	815.34	188.04
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,201.47	212.99
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,710.65	270.03
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,421.81	299.43
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,825.13	325.28
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,666.67	401.03
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,543.45	481.24
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,198.69	606.00
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	9,121.18	686.20
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	16,077.18	908.99
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	24,499.27	1,029.31
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	38,019.13	1,176.35
40 05 19 00-1719		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** *(40 05 19 00-0001)*		
40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	556.88	147.05
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	756.75	188.04
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,242.64	212.99
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,680.57	270.03
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,261.89	299.43
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,673.13	325.28
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,302.50	401.03
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,150.78	481.24
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,479.84	606.00
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,753.16	686.20
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,725.21	908.99
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	18,214.91	1,029.31
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	33,883.39	1,176.35
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	36,524.17	1,443.70
40 05 19 00-1734		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees** *(40 05 19 00-0001)*		
40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	753.66	236.16
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	934.20	290.53
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,316.42	324.39
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,892.69	421.52
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,520.77	459.85
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,382.52	494.60
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,828.49	623.83
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,671.27	712.94
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,892.18	900.09
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,697.16	993.66
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,820.71	1,372.40
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	21,386.70	1,572.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	44,316.16	1,818.00
40 05 19 00-1748		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	945.93	263.79
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,174.13	269.14
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,171.60	302.99
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,551.43	297.65
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,529.89	331.51
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,612.97	352.90
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,970.22	312.80
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,962.94	346.67
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,072.93	368.05
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,469.83	436.68
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,878.96	325.28
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,814.70	359.15
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,938.94	380.53
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,101.50	449.16
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,289.28	472.77
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,493.71	363.16
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,215.67	397.01
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,162.58	418.41
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,711.47	487.02
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,600.00	510.64
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,016.25	532.48
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,274.89	403.26
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,214.69	437.12
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,875.68	458.51
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,886.24	527.13
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,230.78	550.75
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,620.10	572.58
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,940.60	663.93
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,471.00	465.63
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,734.22	499.50
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,831.55	520.89
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,033.69	589.51
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,230.97	613.13
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,297.30	634.96
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,380.97	726.30
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,520.15	775.32
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,274.78	505.75
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,414.08	539.60
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,660.24	560.99
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,882.96	629.61
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,596.42	653.23
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,759.34	675.07
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,983.24	766.41
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,187.12	815.42
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	9,501.44	871.35
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,148.37	651.00
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,214.04	672.40
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,528.59	741.01
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,564.37	764.63
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,597.45	786.47
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,840.35	877.81
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,984.28	926.82
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	12,345.91	1,051.58
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,815.32	1,105.05
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,376.94	931.72
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,452.36	948.66
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,560.79	997.23
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,694.32	1,016.38
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,755.48	1,033.77
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,923.05	1,098.37
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,025.39	1,142.93
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,306.50	1,236.51
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	17,692.48	1,283.29
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,179.16	1,472.67
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	27,544.67	806.07
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,899.94	874.69
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,935.72	898.30
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,005.21	920.14
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,218.03	1,011.48
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,479.13	1,060.50
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	25,668.17	1,185.26
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,046.86	1,238.73
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,005.47	1,506.09
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	42,417.46	1,646.44
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,721.10	1,043.12
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,754.19	1,064.95
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,003.43	1,156.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,077.69	1,205.32
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,413.98	1,330.08
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	34,756.25	1,383.55
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	35,683.84	1,650.90
40 05 19 00-1830		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	813.83	236.16
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,106.78	290.53
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,614.09	324.39
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,454.78	421.52
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,299.78	459.85
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,686.52	494.60
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,575.83	623.83
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,559.54	712.94
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,424.87	900.09
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,695.36	993.66
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	17,932.01	1,372.40
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	25,565.18	1,572.92
40 05 19 00-1843		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	661.83	236.16
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	926.28	290.53
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,340.17	324.39
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,761.27	421.52
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,512.85	459.85
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,262.18	494.60
40 05 19 00-1850		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	909.26	325.28
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,200.62	352.46
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,271.56	393.00
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,481.74	358.25
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,615.05	405.48
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,672.05	435.79
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,917.63	386.77
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,111.10	434.00
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,309.01	464.30
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,866.42	573.02
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,484.57	401.47
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,616.31	448.71
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,815.81	479.00
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,403.29	587.73
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,203.98	620.25
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,120.40	461.62
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,318.31	491.93
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,695.21	600.65
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,018.41	633.18
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,215.42	663.93
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,724.04	499.50
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,950.45	529.81
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,327.36	638.53
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,680.65	671.05
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,530.67	701.80
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,309.23	846.62
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,876.64	539.60
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,101.47	569.91
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,418.20	678.63
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,769.91	711.16
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,481.51	741.91
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,974.85	886.72
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,244.69	944.65
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,052.59	601.99
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,293.25	632.28
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,587.83	741.01
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,963.28	773.54
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,074.78	804.28
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,402.55	949.11
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,685.06	1,007.02
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,426.21	1,194.17
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,677.72	642.09
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,851.88	672.40
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,244.60	781.12
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,490.23	813.64
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,634.99	844.38
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	8,082.41	989.21
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,485.04	1,047.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,085.47	1,165.44
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,204.65	1,301.12
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,331.50	925.03
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,412.93	955.79
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,876.19	1,100.60
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,033.61	1,158.53
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	13,701.93	1,345.67
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,818.60	1,412.52
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	20,238.09	1,835.82
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,423.45	1,176.80
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,463.29	1,203.08
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,854.37	1,321.17
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,003.46	1,374.64
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,554.85	1,530.60
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,204.92	1,590.75
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,976.09	1,936.08
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	28,483.64	2,116.54
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,737.68	1,058.72
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,784.27	1,089.46
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,226.95	1,234.27
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,351.12	1,292.20
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,970.36	1,479.35
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	27,630.55	1,546.19
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,569.64	1,969.50
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	49,162.89	2,190.06
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,424.70	2,459.64
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,530.09	1,234.27
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,974.34	1,379.09
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,098.52	1,437.02
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,679.75	1,624.17
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	36,339.95	1,691.00
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	37,986.75	2,114.31

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	485.02	167.54
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	619.52	180.02
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	682.23	200.52
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	833.72	208.54
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	841.03	229.04
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	983.43	241.51
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,065.68	223.69
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,101.48	244.18
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,207.47	256.66
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,358.36	285.18
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,668.33	244.18
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,327.80	256.66
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,468.63	269.14
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,614.76	297.65
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,569.63	312.80
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,974.82	274.04
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,598.95	294.54
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,510.18	307.00
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,683.22	335.52
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,087.10	350.23
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,246.02	363.16
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,498.89	334.64
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,979.45	347.12
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,174.67	375.63
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,160.52	390.33
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,487.27	403.26
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,482.91	441.14
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,556.99	397.01
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,479.30	409.49
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,685.61	438.01
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,617.63	452.72
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,021.98	465.63
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,835.52	503.51
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,497.96	543.61
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,353.92	449.59
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,788.22	478.11
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,074.92	492.82
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,183.16	505.75
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,700.63	543.61
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,469.15	583.72
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,720.61	577.27
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,439.21	655.01
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,710.55	695.12
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,224.66	757.50
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,983.69	797.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,800.89	715.17
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,244.82	755.27
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,828.59	817.65
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,693.70	857.76
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,328.68	969.16
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,967.76	931.28
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,922.57	1,042.68
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,136.99	1,102.83
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	19,022.08	1,076.09
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,350.56	1,187.49
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	23,862.66	1,247.64
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	26,730.69	1,321.17

40 05 19 00-1989 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	527.77	167.54
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	668.60	180.02
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	759.82	200.52
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	833.72	208.54
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	893.28	229.04
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,032.51	241.51
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,065.68	223.69
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,158.48	244.18
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,267.63	256.66
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,462.86	285.18
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,327.80	256.66
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,438.55	269.14
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,603.68	297.65
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,837.21	312.80
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,598.95	294.54
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,736.60	307.00
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,931.81	335.52
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,136.19	350.23
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,246.02	363.16
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,979.45	347.12
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,174.67	375.63
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,379.02	390.33
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,487.27	403.26
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,726.75	441.14
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,895.83	397.01
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,642.39	409.49
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,685.61	438.01
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,935.88	452.72
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,021.98	465.63
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,304.19	503.51
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,496.37	543.61
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,680.09	449.59
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,788.22	478.11
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,875.42	492.82
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,959.91	505.75
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,246.88	543.61
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,469.15	583.72
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,720.61	577.27
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,710.25	617.14
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,522.23	655.01
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,745.38	695.12
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,224.66	757.50
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,983.69	797.60
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,870.55	715.17
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,244.82	755.27
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,793.75	817.65
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,655.70	857.76
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,293.84	969.16
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,967.76	931.28
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,647.50	1,042.68
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	19,136.99	1,102.83
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,350.56	1,187.49
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	23,862.66	1,247.64
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	26,730.69	1,321.17

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	187.52	57.93
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	281.62	85.55
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	408.85	101.59
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	562.75	118.53
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	726.82	139.03
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	961.48	155.96
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,148.81	178.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,556.09	249.53
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,067.03	311.91
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,945.73	378.75
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	4,154.94	441.14
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,427.18	485.69
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	10,474.99	534.70
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,845.90	601.54

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,175.76	104.46
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,364.89	122.56
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,171.40	153.20
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,881.04	175.10
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,977.09	263.24
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,204.62	287.17
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,029.13	315.89
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,701.59	350.95
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,595.02	394.86
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,800.39	451.21
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	17,142.33	526.48
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	60,090.06	631.77
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	85,324.27	789.72

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,227.12	254.87
		For Class 52 Rating, Deduct	*-92.50*	
		For Class 54 Rating, Add	*130.78*	
		For Class 55 Rating, Add	*196.80*	
		For Class 56 Rating, Add	*261.98*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,353.56	259.33
		For Class 52 Rating, Deduct	*-105.67*	
		For Class 54 Rating, Add	*148.81*	
		For Class 55 Rating, Add	*223.65*	
		For Class 56 Rating, Add	*297.53*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,479.98	263.79
		For Class 52 Rating, Deduct	*-118.83*	
		For Class 54 Rating, Add	*166.84*	
		For Class 55 Rating, Add	*250.50*	
		For Class 56 Rating, Add	*333.08*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,606.43	268.24
		For Class 52 Rating, Deduct	*-132.00*	
		For Class 54 Rating, Add	*184.88*	
		For Class 55 Rating, Add	*277.35*	
		For Class 56 Rating, Add	*368.63*	
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,732.86	272.70
		For Class 52 Rating, Deduct	*-145.16*	
		For Class 54 Rating, Add	*202.91*	
		For Class 55 Rating, Add	*304.20*	
		For Class 56 Rating, Add	*404.18*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,859.31	277.16
		For Class 52 Rating, Deduct	*-158.33*	
		For Class 54 Rating, Add	*220.94*	
		For Class 55 Rating, Add	*331.06*	
		For Class 56 Rating, Add	*439.73*	
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,985.73	281.61
		For Class 52 Rating, Deduct	*-171.50*	
		For Class 54 Rating, Add	*238.98*	
		For Class 55 Rating, Add	*357.91*	
		For Class 56 Rating, Add	*475.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,112.17	286.07
		For Class 52 Rating, Deduct	*-184.66*	
		For Class 54 Rating, Add	*257.01*	
		For Class 55 Rating, Add	*384.76*	
		For Class 56 Rating, Add	*510.83*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,238.61	290.53
		For Class 52 Rating, Deduct	*-197.83*	
		For Class 54 Rating, Add	*275.05*	
		For Class 55 Rating, Add	*411.61*	
		For Class 56 Rating, Add	*546.38*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,365.04	294.97
		For Class 52 Rating, Deduct	*-210.99*	
		For Class 54 Rating, Add	*293.08*	
		For Class 55 Rating, Add	*438.46*	
		For Class 56 Rating, Add	*581.93*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,491.48	299.43
		For Class 52 Rating, Deduct	*-224.16*	
		For Class 54 Rating, Add	*311.11*	
		For Class 55 Rating, Add	*465.32*	
		For Class 56 Rating, Add	*617.48*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,617.92	303.89
		For Class 52 Rating, Deduct	*-237.32*	
		For Class 54 Rating, Add	*329.15*	
		For Class 55 Rating, Add	*492.17*	
		For Class 56 Rating, Add	*653.03*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,744.35	308.34
		For Class 52 Rating, Deduct	*-250.49*	
		For Class 54 Rating, Add	*347.18*	
		For Class 55 Rating, Add	*519.02*	
		For Class 56 Rating, Add	*688.58*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,870.79	312.80
		For Class 52 Rating, Deduct	*-263.65*	
		For Class 54 Rating, Add	*365.21*	
		For Class 55 Rating, Add	*545.87*	
		For Class 56 Rating, Add	*724.13*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,997.22	317.26
		For Class 52 Rating, Deduct	*-276.82*	
		For Class 54 Rating, Add	*383.25*	
		For Class 55 Rating, Add	*572.72*	
		For Class 56 Rating, Add	*759.68*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,123.67	321.72
		For Class 52 Rating, Deduct	*-289.98*	
		For Class 54 Rating, Add	*401.28*	
		For Class 55 Rating, Add	*599.58*	
		For Class 56 Rating, Add	*795.23*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,250.10	326.17
		For Class 52 Rating, Deduct	*-303.15*	
		For Class 54 Rating, Add	*419.32*	
		For Class 55 Rating, Add	*626.43*	
		For Class 56 Rating, Add	*830.78*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,376.52	330.63
		For Class 52 Rating, Deduct	*-316.31*	
		For Class 54 Rating, Add	*437.35*	
		For Class 55 Rating, Add	*653.28*	
		For Class 56 Rating, Add	*866.33*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,502.97	335.09
		For Class 52 Rating, Deduct	*-329.48*	
		For Class 54 Rating, Add	*455.38*	
		For Class 55 Rating, Add	*680.13*	
		For Class 56 Rating, Add	*901.88*	
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,629.40	339.53
		For Class 52 Rating, Deduct	*-342.64*	
		For Class 54 Rating, Add	*473.42*	
		For Class 55 Rating, Add	*706.98*	
		For Class 56 Rating, Add	*937.43*	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,755.85	343.99
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*491.45*	
		For Class 55 Rating, Add	*733.83*	
		For Class 56 Rating, Add	*972.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,882.27	348.45
		For Class 52 Rating, Deduct	*-368.98*	
		For Class 54 Rating, Add	*509.48*	
		For Class 55 Rating, Add	*760.68*	
		For Class 56 Rating, Add	*1,008.53*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,008.71	352.90
		For Class 52 Rating, Deduct	*-382.14*	
		For Class 54 Rating, Add	*527.52*	
		For Class 55 Rating, Add	*787.54*	
		For Class 56 Rating, Add	*1,044.08*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,135.15	357.36
		For Class 52 Rating, Deduct	*-395.31*	
		For Class 54 Rating, Add	*545.55*	
		For Class 55 Rating, Add	*814.39*	
		For Class 56 Rating, Add	*1,079.63*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,261.58	361.82
		For Class 52 Rating, Deduct	*-408.47*	
		For Class 54 Rating, Add	*563.59*	
		For Class 55 Rating, Add	*841.24*	
		For Class 56 Rating, Add	*1,115.18*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,388.02	366.27
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*581.62*	
		For Class 55 Rating, Add	*868.09*	
		For Class 56 Rating, Add	*1,150.73*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,514.46	370.73
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*599.65*	
		For Class 55 Rating, Add	*894.94*	
		For Class 56 Rating, Add	*1,186.28*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,640.89	375.19
		For Class 52 Rating, Deduct	*-447.97*	
		For Class 54 Rating, Add	*617.69*	
		For Class 55 Rating, Add	*921.79*	
		For Class 56 Rating, Add	*1,221.83*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,767.33	379.64
		For Class 52 Rating, Deduct	*-461.13*	
		For Class 54 Rating, Add	*635.72*	
		For Class 55 Rating, Add	*948.65*	
		For Class 56 Rating, Add	*1,257.38*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,893.76	384.10
		For Class 52 Rating, Deduct	*-474.30*	
		For Class 54 Rating, Add	*653.75*	
		For Class 55 Rating, Add	*975.50*	
		For Class 56 Rating, Add	*1,292.93*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,020.21	388.55
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*671.79*	
		For Class 55 Rating, Add	*1,002.35*	
		For Class 56 Rating, Add	*1,328.48*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,146.64	393.00
		For Class 52 Rating, Deduct	*-500.63*	
		For Class 54 Rating, Add	*689.82*	
		For Class 55 Rating, Add	*1,029.20*	
		For Class 56 Rating, Add	*1,364.03*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,273.07	397.46
		For Class 52 Rating, Deduct	*-513.79*	
		For Class 54 Rating, Add	*707.86*	
		For Class 55 Rating, Add	*1,056.05*	
		For Class 56 Rating, Add	*1,399.58*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,399.51	401.92
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*725.89*	
		For Class 55 Rating, Add	*1,082.91*	
		For Class 56 Rating, Add	*1,435.13*	
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,525.95	406.38
		For Class 52 Rating, Deduct	*-540.13*	
		For Class 54 Rating, Add	*743.92*	
		For Class 55 Rating, Add	*1,109.76*	
		For Class 56 Rating, Add	*1,470.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,652.39	410.83
		For Class 52 Rating, Deduct	*-553.29*	
		For Class 54 Rating, Add	*761.96*	
		For Class 55 Rating, Add	*1,136.61*	
		For Class 56 Rating, Add	*1,506.23*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,778.82	415.29
		For Class 52 Rating, Deduct	*-566.46*	
		For Class 54 Rating, Add	*779.99*	
		For Class 55 Rating, Add	*1,163.46*	
		For Class 56 Rating, Add	*1,541.78*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,905.25	419.75
		For Class 52 Rating, Deduct	*-579.62*	
		For Class 54 Rating, Add	*798.02*	
		For Class 55 Rating, Add	*1,190.31*	
		For Class 56 Rating, Add	*1,577.33*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,031.70	424.20
		For Class 52 Rating, Deduct	*-592.79*	
		For Class 54 Rating, Add	*816.06*	
		For Class 55 Rating, Add	*1,217.17*	
		For Class 56 Rating, Add	*1,612.88*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,534.92	320.82
		For Class 52 Rating, Deduct	*-115.37*	
		For Class 54 Rating, Add	*163.16*	
		For Class 55 Rating, Add	*245.55*	
		For Class 56 Rating, Add	*326.90*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,680.24	325.28
		For Class 52 Rating, Deduct	*-130.61*	
		For Class 54 Rating, Add	*184.02*	
		For Class 55 Rating, Add	*276.62*	
		For Class 56 Rating, Add	*368.03*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,825.58	329.74
		For Class 52 Rating, Deduct	*-145.86*	
		For Class 54 Rating, Add	*204.89*	
		For Class 55 Rating, Add	*307.68*	
		For Class 56 Rating, Add	*409.15*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,970.91	334.19
		For Class 52 Rating, Deduct	*-161.10*	
		For Class 54 Rating, Add	*225.76*	
		For Class 55 Rating, Add	*338.75*	
		For Class 56 Rating, Add	*450.27*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,116.25	338.65
		For Class 52 Rating, Deduct	*-176.35*	
		For Class 54 Rating, Add	*246.63*	
		For Class 55 Rating, Add	*369.82*	
		For Class 56 Rating, Add	*491.40*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,261.58	343.11
		For Class 52 Rating, Deduct	*-191.59*	
		For Class 54 Rating, Add	*267.50*	
		For Class 55 Rating, Add	*400.88*	
		For Class 56 Rating, Add	*532.52*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,406.91	347.56
		For Class 52 Rating, Deduct	*-206.83*	
		For Class 54 Rating, Add	*288.37*	
		For Class 55 Rating, Add	*431.95*	
		For Class 56 Rating, Add	*573.65*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,552.25	352.01
		For Class 52 Rating, Deduct	*-222.08*	
		For Class 54 Rating, Add	*309.23*	
		For Class 55 Rating, Add	*463.01*	
		For Class 56 Rating, Add	*614.77*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,697.59	356.47
		For Class 52 Rating, Deduct	*-237.32*	
		For Class 54 Rating, Add	*330.10*	
		For Class 55 Rating, Add	*494.08*	
		For Class 56 Rating, Add	*655.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,842.91	360.92
		For Class 52 Rating, Deduct	*-252.57*	
		For Class 54 Rating, Add	*350.97*	
		For Class 55 Rating, Add	*525.15*	
		For Class 56 Rating, Add	*697.02*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,988.25	365.38
		For Class 52 Rating, Deduct	*-267.81*	
		For Class 54 Rating, Add	*371.84*	
		For Class 55 Rating, Add	*556.21*	
		For Class 56 Rating, Add	*738.15*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,133.58	369.84
		For Class 52 Rating, Deduct	*-283.05*	
		For Class 54 Rating, Add	*392.71*	
		For Class 55 Rating, Add	*587.28*	
		For Class 56 Rating, Add	*779.27*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,278.93	374.29
		For Class 52 Rating, Deduct	*-298.30*	
		For Class 54 Rating, Add	*413.58*	
		For Class 55 Rating, Add	*618.34*	
		For Class 56 Rating, Add	*820.40*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,424.25	378.75
		For Class 52 Rating, Deduct	*-313.54*	
		For Class 54 Rating, Add	*434.44*	
		For Class 55 Rating, Add	*649.41*	
		For Class 56 Rating, Add	*861.52*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,569.58	383.21
		For Class 52 Rating, Deduct	*-328.79*	
		For Class 54 Rating, Add	*455.31*	
		For Class 55 Rating, Add	*680.47*	
		For Class 56 Rating, Add	*902.65*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,714.92	387.66
		For Class 52 Rating, Deduct	*-344.03*	
		For Class 54 Rating, Add	*476.18*	
		For Class 55 Rating, Add	*711.54*	
		For Class 56 Rating, Add	*943.77*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,860.25	392.12
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*497.05*	
		For Class 55 Rating, Add	*742.61*	
		For Class 56 Rating, Add	*984.90*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,005.59	396.57
		For Class 52 Rating, Deduct	*-374.52*	
		For Class 54 Rating, Add	*517.92*	
		For Class 55 Rating, Add	*773.67*	
		For Class 56 Rating, Add	*1,026.02*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,150.92	401.03
		For Class 52 Rating, Deduct	*-389.76*	
		For Class 54 Rating, Add	*538.79*	
		For Class 55 Rating, Add	*804.74*	
		For Class 56 Rating, Add	*1,067.15*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,296.25	405.48
		For Class 52 Rating, Deduct	*-405.01*	
		For Class 54 Rating, Add	*559.65*	
		For Class 55 Rating, Add	*835.80*	
		For Class 56 Rating, Add	*1,108.27*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,441.58	409.94
		For Class 52 Rating, Deduct	*-420.25*	
		For Class 54 Rating, Add	*580.52*	
		For Class 55 Rating, Add	*866.87*	
		For Class 56 Rating, Add	*1,149.40*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,586.92	414.40
		For Class 52 Rating, Deduct	*-435.50*	
		For Class 54 Rating, Add	*601.39*	
		For Class 55 Rating, Add	*897.94*	
		For Class 56 Rating, Add	*1,190.52*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,732.26	418.85
		For Class 52 Rating, Deduct	*-450.74*	
		For Class 54 Rating, Add	*622.26*	
		For Class 55 Rating, Add	*929.00*	
		For Class 56 Rating, Add	*1,231.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,877.59	423.31
		For Class 52 Rating, Deduct	*-465.98*	
		For Class 54 Rating, Add	*643.13*	
		For Class 55 Rating, Add	*960.07*	
		For Class 56 Rating, Add	*1,272.77*	
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,022.91	427.77
		For Class 52 Rating, Deduct	*-481.23*	
		For Class 54 Rating, Add	*664.00*	
		For Class 55 Rating, Add	*991.13*	
		For Class 56 Rating, Add	*1,313.90*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,168.26	432.22
		For Class 52 Rating, Deduct	*-496.47*	
		For Class 54 Rating, Add	*684.87*	
		For Class 55 Rating, Add	*1,022.20*	
		For Class 56 Rating, Add	*1,355.02*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,313.59	436.68
		For Class 52 Rating, Deduct	*-511.72*	
		For Class 54 Rating, Add	*705.73*	
		For Class 55 Rating, Add	*1,053.27*	
		For Class 56 Rating, Add	*1,396.15*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,458.92	441.14
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*726.60*	
		For Class 55 Rating, Add	*1,084.33*	
		For Class 56 Rating, Add	*1,437.27*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,604.25	445.58
		For Class 52 Rating, Deduct	*-542.20*	
		For Class 54 Rating, Add	*747.47*	
		For Class 55 Rating, Add	*1,115.40*	
		For Class 56 Rating, Add	*1,478.40*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,749.59	450.04
		For Class 52 Rating, Deduct	*-557.45*	
		For Class 54 Rating, Add	*768.34*	
		For Class 55 Rating, Add	*1,146.46*	
		For Class 56 Rating, Add	*1,519.52*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,894.93	454.50
		For Class 52 Rating, Deduct	*-572.69*	
		For Class 54 Rating, Add	*789.21*	
		For Class 55 Rating, Add	*1,177.53*	
		For Class 56 Rating, Add	*1,560.65*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,040.25	458.95
		For Class 52 Rating, Deduct	*-587.94*	
		For Class 54 Rating, Add	*810.08*	
		For Class 55 Rating, Add	*1,208.60*	
		For Class 56 Rating, Add	*1,601.77*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,185.59	463.41
		For Class 52 Rating, Deduct	*-603.18*	
		For Class 54 Rating, Add	*830.94*	
		For Class 55 Rating, Add	*1,239.66*	
		For Class 56 Rating, Add	*1,642.89*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,330.93	467.87
		For Class 52 Rating, Deduct	*-618.42*	
		For Class 54 Rating, Add	*851.81*	
		For Class 55 Rating, Add	*1,270.73*	
		For Class 56 Rating, Add	*1,684.02*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,476.26	472.32
		For Class 52 Rating, Deduct	*-633.67*	
		For Class 54 Rating, Add	*872.68*	
		For Class 55 Rating, Add	*1,301.79*	
		For Class 56 Rating, Add	*1,725.15*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,621.59	476.78
		For Class 52 Rating, Deduct	*-648.91*	
		For Class 54 Rating, Add	*893.55*	
		For Class 55 Rating, Add	*1,332.86*	
		For Class 56 Rating, Add	*1,766.27*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,766.92	481.24
		For Class 52 Rating, Deduct	*-664.16*	
		For Class 54 Rating, Add	*914.42*	
		For Class 55 Rating, Add	*1,363.92*	
		For Class 56 Rating, Add	*1,807.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,912.27	485.69
		For Class 52 Rating, Deduct	*-679.40*	
		For Class 54 Rating, Add	*935.29*	
		For Class 55 Rating, Add	*1,394.99*	
		For Class 56 Rating, Add	*1,848.52*	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,057.60	490.14
		For Class 52 Rating, Deduct	*-694.64*	
		For Class 54 Rating, Add	*956.15*	
		For Class 55 Rating, Add	*1,426.06*	
		For Class 56 Rating, Add	*1,889.65*	

40 05 19 00-2155 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,136.08	409.94
		For Class 52 Rating, Deduct	*-166.65*	
		For Class 54 Rating, Add	*234.70*	
		For Class 55 Rating, Add	*352.74*	
		For Class 56 Rating, Add	*469.27*	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,322.35	414.40
		For Class 52 Rating, Deduct	*-186.39*	
		For Class 54 Rating, Add	*261.71*	
		For Class 55 Rating, Add	*392.94*	
		For Class 56 Rating, Add	*522.47*	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,508.64	418.85
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*288.72*	
		For Class 55 Rating, Add	*433.14*	
		For Class 56 Rating, Add	*575.68*	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,694.92	423.31
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*315.73*	
		For Class 55 Rating, Add	*473.33*	
		For Class 56 Rating, Add	*628.88*	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,881.19	427.77
		For Class 52 Rating, Deduct	*-245.64*	
		For Class 54 Rating, Add	*342.74*	
		For Class 55 Rating, Add	*513.53*	
		For Class 56 Rating, Add	*682.09*	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,067.47	432.22
		For Class 52 Rating, Deduct	*-265.38*	
		For Class 54 Rating, Add	*369.75*	
		For Class 55 Rating, Add	*553.72*	
		For Class 56 Rating, Add	*735.29*	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,253.75	436.68
		For Class 52 Rating, Deduct	*-285.13*	
		For Class 54 Rating, Add	*396.76*	
		For Class 55 Rating, Add	*593.92*	
		For Class 56 Rating, Add	*788.49*	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,440.03	441.14
		For Class 52 Rating, Deduct	*-304.88*	
		For Class 54 Rating, Add	*423.77*	
		For Class 55 Rating, Add	*634.12*	
		For Class 56 Rating, Add	*841.70*	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,626.31	445.58
		For Class 52 Rating, Deduct	*-324.63*	
		For Class 54 Rating, Add	*450.78*	
		For Class 55 Rating, Add	*674.32*	
		For Class 56 Rating, Add	*894.90*	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,812.58	450.04
		For Class 52 Rating, Deduct	*-344.38*	
		For Class 54 Rating, Add	*477.79*	
		For Class 55 Rating, Add	*714.51*	
		For Class 56 Rating, Add	*948.10*	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,998.87	454.50
		For Class 52 Rating, Deduct	*-364.13*	
		For Class 54 Rating, Add	*504.80*	
		For Class 55 Rating, Add	*754.71*	
		For Class 56 Rating, Add	*1,001.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,185.14	458.95
		For Class 52 Rating, Deduct	*-383.87*	
		For Class 54 Rating, Add	*531.81*	
		For Class 55 Rating, Add	*794.91*	
		For Class 56 Rating, Add	*1,054.51*	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,371.42	463.41
		For Class 52 Rating, Deduct	*-403.62*	
		For Class 54 Rating, Add	*558.82*	
		For Class 55 Rating, Add	*835.10*	
		For Class 56 Rating, Add	*1,107.71*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,557.70	467.87
		For Class 52 Rating, Deduct	*-423.37*	
		For Class 54 Rating, Add	*585.83*	
		For Class 55 Rating, Add	*875.30*	
		For Class 56 Rating, Add	*1,160.92*	
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,743.98	472.32
		For Class 52 Rating, Deduct	*-443.12*	
		For Class 54 Rating, Add	*612.84*	
		For Class 55 Rating, Add	*915.50*	
		For Class 56 Rating, Add	*1,214.12*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,930.26	476.78
		For Class 52 Rating, Deduct	*-462.87*	
		For Class 54 Rating, Add	*639.85*	
		For Class 55 Rating, Add	*955.69*	
		For Class 56 Rating, Add	*1,267.33*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,116.53	481.24
		For Class 52 Rating, Deduct	*-482.61*	
		For Class 54 Rating, Add	*666.86*	
		For Class 55 Rating, Add	*995.89*	
		For Class 56 Rating, Add	*1,320.53*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,302.82	485.69
		For Class 52 Rating, Deduct	*-502.36*	
		For Class 54 Rating, Add	*693.87*	
		For Class 55 Rating, Add	*1,036.08*	
		For Class 56 Rating, Add	*1,373.73*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,489.10	490.14
		For Class 52 Rating, Deduct	*-522.11*	
		For Class 54 Rating, Add	*720.88*	
		For Class 55 Rating, Add	*1,076.28*	
		For Class 56 Rating, Add	*1,426.94*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,675.36	494.60
		For Class 52 Rating, Deduct	*-541.86*	
		For Class 54 Rating, Add	*747.89*	
		For Class 55 Rating, Add	*1,116.48*	
		For Class 56 Rating, Add	*1,480.14*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,861.65	499.06
		For Class 52 Rating, Deduct	*-561.61*	
		For Class 54 Rating, Add	*774.90*	
		For Class 55 Rating, Add	*1,156.67*	
		For Class 56 Rating, Add	*1,533.34*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,047.93	503.51
		For Class 52 Rating, Deduct	*-581.35*	
		For Class 54 Rating, Add	*801.91*	
		For Class 55 Rating, Add	*1,196.87*	
		For Class 56 Rating, Add	*1,586.55*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,234.21	507.97
		For Class 52 Rating, Deduct	*-601.10*	
		For Class 54 Rating, Add	*828.92*	
		For Class 55 Rating, Add	*1,237.07*	
		For Class 56 Rating, Add	*1,639.75*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,420.48	512.43
		For Class 52 Rating, Deduct	*-620.85*	
		For Class 54 Rating, Add	*855.93*	
		For Class 55 Rating, Add	*1,277.26*	
		For Class 56 Rating, Add	*1,692.95*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,606.76	516.88
		For Class 52 Rating, Deduct	*-640.60*	
		For Class 54 Rating, Add	*882.94*	
		For Class 55 Rating, Add	*1,317.46*	
		For Class 56 Rating, Add	*1,746.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2181	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,793.05	521.34
		For Class 52 Rating, Deduct	*-660.35*	
		For Class 54 Rating, Add	*909.95*	
		For Class 55 Rating, Add	*1,357.66*	
		For Class 56 Rating, Add	*1,799.36*	
40 05 19 00-2182	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,979.31	525.80
		For Class 52 Rating, Deduct	*-680.09*	
		For Class 54 Rating, Add	*936.96*	
		For Class 55 Rating, Add	*1,397.85*	
		For Class 56 Rating, Add	*1,852.56*	
40 05 19 00-2183	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,165.60	530.25
		For Class 52 Rating, Deduct	*-699.84*	
		For Class 54 Rating, Add	*963.97*	
		For Class 55 Rating, Add	*1,438.05*	
		For Class 56 Rating, Add	*1,905.77*	
40 05 19 00-2184	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,351.88	534.70
		For Class 52 Rating, Deduct	*-719.59*	
		For Class 54 Rating, Add	*990.98*	
		For Class 55 Rating, Add	*1,478.25*	
		For Class 56 Rating, Add	*1,958.97*	
40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,538.16	539.16
		For Class 52 Rating, Deduct	*-739.34*	
		For Class 54 Rating, Add	*1,017.99*	
		For Class 55 Rating, Add	*1,518.44*	
		For Class 56 Rating, Add	*2,012.18*	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,724.43	543.61
		For Class 52 Rating, Deduct	*-759.08*	
		For Class 54 Rating, Add	*1,045.00*	
		For Class 55 Rating, Add	*1,558.64*	
		For Class 56 Rating, Add	*2,065.38*	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,910.71	548.07
		For Class 52 Rating, Deduct	*-778.83*	
		For Class 54 Rating, Add	*1,072.01*	
		For Class 55 Rating, Add	*1,598.84*	
		For Class 56 Rating, Add	*2,118.58*	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,097.00	552.53
		For Class 52 Rating, Deduct	*-798.58*	
		For Class 54 Rating, Add	*1,099.02*	
		For Class 55 Rating, Add	*1,639.03*	
		For Class 56 Rating, Add	*2,171.79*	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,283.28	556.98
		For Class 52 Rating, Deduct	*-818.33*	
		For Class 54 Rating, Add	*1,126.03*	
		For Class 55 Rating, Add	*1,679.23*	
		For Class 56 Rating, Add	*2,224.99*	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,469.54	561.44
		For Class 52 Rating, Deduct	*-838.08*	
		For Class 54 Rating, Add	*1,153.04*	
		For Class 55 Rating, Add	*1,719.43*	
		For Class 56 Rating, Add	*2,278.19*	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,655.83	565.90
		For Class 52 Rating, Deduct	*-857.83*	
		For Class 54 Rating, Add	*1,180.05*	
		For Class 55 Rating, Add	*1,759.62*	
		For Class 56 Rating, Add	*2,331.40*	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,842.11	570.35
		For Class 52 Rating, Deduct	*-877.57*	
		For Class 54 Rating, Add	*1,207.06*	
		For Class 55 Rating, Add	*1,799.82*	
		For Class 56 Rating, Add	*2,384.60*	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,028.38	574.81
		For Class 52 Rating, Deduct	*-897.32*	
		For Class 54 Rating, Add	*1,234.07*	
		For Class 55 Rating, Add	*1,840.02*	
		For Class 56 Rating, Add	*2,437.80*	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,214.66	579.27
		For Class 52 Rating, Deduct	*-917.07*	
		For Class 54 Rating, Add	*1,261.08*	
		For Class 55 Rating, Add	*1,880.21*	
		For Class 56 Rating, Add	*2,491.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2195		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,696.30	499.06
		For Class 52 Rating, Deduct	*-213.42*	
		For Class 54 Rating, Add	*300.10*	
		For Class 55 Rating, Add	*450.80*	
		For Class 56 Rating, Add	*599.57*	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,936.12	503.51
		For Class 52 Rating, Deduct	*-239.05*	
		For Class 54 Rating, Add	*335.14*	
		For Class 55 Rating, Add	*502.94*	
		For Class 56 Rating, Add	*668.56*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,175.94	507.97
		For Class 52 Rating, Deduct	*-264.69*	
		For Class 54 Rating, Add	*370.18*	
		For Class 55 Rating, Add	*555.07*	
		For Class 56 Rating, Add	*737.56*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,415.76	512.43
		For Class 52 Rating, Deduct	*-290.33*	
		For Class 54 Rating, Add	*405.22*	
		For Class 55 Rating, Add	*607.21*	
		For Class 56 Rating, Add	*806.56*	
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,655.59	516.88
		For Class 52 Rating, Deduct	*-315.97*	
		For Class 54 Rating, Add	*440.26*	
		For Class 55 Rating, Add	*659.35*	
		For Class 56 Rating, Add	*875.56*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,895.42	521.34
		For Class 52 Rating, Deduct	*-341.61*	
		For Class 54 Rating, Add	*475.31*	
		For Class 55 Rating, Add	*711.49*	
		For Class 56 Rating, Add	*944.56*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,135.23	525.80
		For Class 52 Rating, Deduct	*-367.24*	
		For Class 54 Rating, Add	*510.35*	
		For Class 55 Rating, Add	*763.62*	
		For Class 56 Rating, Add	*1,013.56*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,375.06	530.25
		For Class 52 Rating, Deduct	*-392.88*	
		For Class 54 Rating, Add	*545.39*	
		For Class 55 Rating, Add	*815.76*	
		For Class 56 Rating, Add	*1,082.56*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,614.88	534.70
		For Class 52 Rating, Deduct	*-418.52*	
		For Class 54 Rating, Add	*580.43*	
		For Class 55 Rating, Add	*867.90*	
		For Class 56 Rating, Add	*1,151.56*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,854.70	539.16
		For Class 52 Rating, Deduct	*-444.16*	
		For Class 54 Rating, Add	*615.47*	
		For Class 55 Rating, Add	*920.03*	
		For Class 56 Rating, Add	*1,220.56*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,094.52	543.61
		For Class 52 Rating, Deduct	*-469.79*	
		For Class 54 Rating, Add	*650.51*	
		For Class 55 Rating, Add	*972.17*	
		For Class 56 Rating, Add	*1,289.56*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,334.34	548.07
		For Class 52 Rating, Deduct	*-495.43*	
		For Class 54 Rating, Add	*685.55*	
		For Class 55 Rating, Add	*1,024.31*	
		For Class 56 Rating, Add	*1,358.55*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,574.17	552.53
		For Class 52 Rating, Deduct	*-521.07*	
		For Class 54 Rating, Add	*720.60*	
		For Class 55 Rating, Add	*1,076.44*	
		For Class 56 Rating, Add	*1,427.55*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,813.99	556.98
		For Class 52 Rating, Deduct	*-546.71*	
		For Class 54 Rating, Add	*755.64*	
		For Class 55 Rating, Add	*1,128.58*	
		For Class 56 Rating, Add	*1,496.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,053.80	561.44
		For Class 52 Rating, Deduct	*-572.35*	
		For Class 54 Rating, Add	*790.68*	
		For Class 55 Rating, Add	*1,180.72*	
		For Class 56 Rating, Add	*1,565.55*	
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,293.63	565.90
		For Class 52 Rating, Deduct	*-597.98*	
		For Class 54 Rating, Add	*825.72*	
		For Class 55 Rating, Add	*1,232.85*	
		For Class 56 Rating, Add	*1,634.55*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,533.45	570.35
		For Class 52 Rating, Deduct	*-623.62*	
		For Class 54 Rating, Add	*860.76*	
		For Class 55 Rating, Add	*1,284.99*	
		For Class 56 Rating, Add	*1,703.55*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,773.27	574.81
		For Class 52 Rating, Deduct	*-649.26*	
		For Class 54 Rating, Add	*895.80*	
		For Class 55 Rating, Add	*1,337.13*	
		For Class 56 Rating, Add	*1,772.55*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,013.09	579.27
		For Class 52 Rating, Deduct	*-674.90*	
		For Class 54 Rating, Add	*930.85*	
		For Class 55 Rating, Add	*1,389.26*	
		For Class 56 Rating, Add	*1,841.55*	
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,252.91	583.72
		For Class 52 Rating, Deduct	*-700.53*	
		For Class 54 Rating, Add	*965.89*	
		For Class 55 Rating, Add	*1,441.40*	
		For Class 56 Rating, Add	*1,910.54*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,492.74	588.17
		For Class 52 Rating, Deduct	*-726.17*	
		For Class 54 Rating, Add	*1,000.93*	
		For Class 55 Rating, Add	*1,493.54*	
		For Class 56 Rating, Add	*1,979.54*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,732.55	592.63
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,035.97*	
		For Class 55 Rating, Add	*1,545.67*	
		For Class 56 Rating, Add	*2,048.54*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,972.38	597.09
		For Class 52 Rating, Deduct	*-777.45*	
		For Class 54 Rating, Add	*1,071.01*	
		For Class 55 Rating, Add	*1,597.81*	
		For Class 56 Rating, Add	*2,117.54*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,212.20	601.54
		For Class 52 Rating, Deduct	*-803.08*	
		For Class 54 Rating, Add	*1,106.05*	
		For Class 55 Rating, Add	*1,649.95*	
		For Class 56 Rating, Add	*2,186.54*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,452.02	606.00
		For Class 52 Rating, Deduct	*-828.72*	
		For Class 54 Rating, Add	*1,141.09*	
		For Class 55 Rating, Add	*1,702.08*	
		For Class 56 Rating, Add	*2,255.54*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,691.84	610.46
		For Class 52 Rating, Deduct	*-854.36*	
		For Class 54 Rating, Add	*1,176.14*	
		For Class 55 Rating, Add	*1,754.22*	
		For Class 56 Rating, Add	*2,324.54*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,931.66	614.91
		For Class 52 Rating, Deduct	*-880.00*	
		For Class 54 Rating, Add	*1,211.18*	
		For Class 55 Rating, Add	*1,806.36*	
		For Class 56 Rating, Add	*2,393.53*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,171.49	619.37
		For Class 52 Rating, Deduct	*-905.64*	
		For Class 54 Rating, Add	*1,246.22*	
		For Class 55 Rating, Add	*1,858.49*	
		For Class 56 Rating, Add	*2,462.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,411.31	623.83
		For Class 52 Rating, Deduct	*-931.27*	
		For Class 54 Rating, Add	*1,281.26*	
		For Class 55 Rating, Add	*1,910.63*	
		For Class 56 Rating, Add	*2,531.53*	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,651.13	628.27
		For Class 52 Rating, Deduct	*-956.91*	
		For Class 54 Rating, Add	*1,316.30*	
		For Class 55 Rating, Add	*1,962.77*	
		For Class 56 Rating, Add	*2,600.53*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,890.96	632.73
		For Class 52 Rating, Deduct	*-982.55*	
		For Class 54 Rating, Add	*1,351.34*	
		For Class 55 Rating, Add	*2,014.90*	
		For Class 56 Rating, Add	*2,669.53*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,130.78	637.19
		For Class 52 Rating, Deduct	*-1,008.19*	
		For Class 54 Rating, Add	*1,386.39*	
		For Class 55 Rating, Add	*2,067.04*	
		For Class 56 Rating, Add	*2,738.53*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,370.60	641.64
		For Class 52 Rating, Deduct	*-1,033.83*	
		For Class 54 Rating, Add	*1,421.43*	
		For Class 55 Rating, Add	*2,119.18*	
		For Class 56 Rating, Add	*2,807.53*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,610.42	646.10
		For Class 52 Rating, Deduct	*-1,059.46*	
		For Class 54 Rating, Add	*1,456.47*	
		For Class 55 Rating, Add	*2,171.31*	
		For Class 56 Rating, Add	*2,876.53*	
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,850.24	650.56
		For Class 52 Rating, Deduct	*-1,085.10*	
		For Class 54 Rating, Add	*1,491.51*	
		For Class 55 Rating, Add	*2,223.45*	
		For Class 56 Rating, Add	*2,945.53*	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,090.07	655.01
		For Class 52 Rating, Deduct	*-1,110.74*	
		For Class 54 Rating, Add	*1,526.55*	
		For Class 55 Rating, Add	*2,275.59*	
		For Class 56 Rating, Add	*3,014.53*	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,329.88	659.47
		For Class 52 Rating, Deduct	*-1,136.38*	
		For Class 54 Rating, Add	*1,561.59*	
		For Class 55 Rating, Add	*2,327.72*	
		For Class 56 Rating, Add	*3,083.52*	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,569.71	663.93
		For Class 52 Rating, Deduct	*-1,162.01*	
		For Class 54 Rating, Add	*1,596.64*	
		For Class 55 Rating, Add	*2,379.86*	
		For Class 56 Rating, Add	*3,152.52*	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,809.53	668.38
		For Class 52 Rating, Deduct	*-1,187.65*	
		For Class 54 Rating, Add	*1,631.68*	
		For Class 55 Rating, Add	*2,432.00*	
		For Class 56 Rating, Add	*3,221.52*	

40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,527.86	623.83
		For Class 52 Rating, Deduct	*-284.09*	
		For Class 54 Rating, Add	*398.74*	
		For Class 55 Rating, Add	*598.62*	
		For Class 56 Rating, Add	*795.91*	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,824.37	628.27
		For Class 52 Rating, Deduct	*-315.97*	
		For Class 54 Rating, Add	*442.29*	
		For Class 55 Rating, Add	*663.40*	
		For Class 56 Rating, Add	*881.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,120.89	632.73
		For Class 52 Rating, Deduct	*-347.84*	
		For Class 54 Rating, Add	*485.83*	
		For Class 55 Rating, Add	*728.18*	
		For Class 56 Rating, Add	*967.36*	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,417.40	637.19
		For Class 52 Rating, Deduct	*-379.72*	
		For Class 54 Rating, Add	*529.38*	
		For Class 55 Rating, Add	*792.96*	
		For Class 56 Rating, Add	*1,053.08*	
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,713.91	641.64
		For Class 52 Rating, Deduct	*-411.59*	
		For Class 54 Rating, Add	*572.92*	
		For Class 55 Rating, Add	*857.74*	
		For Class 56 Rating, Add	*1,138.81*	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,010.43	646.10
		For Class 52 Rating, Deduct	*-443.46*	
		For Class 54 Rating, Add	*616.47*	
		For Class 55 Rating, Add	*922.52*	
		For Class 56 Rating, Add	*1,224.53*	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,306.94	650.56
		For Class 52 Rating, Deduct	*-475.34*	
		For Class 54 Rating, Add	*660.02*	
		For Class 55 Rating, Add	*987.30*	
		For Class 56 Rating, Add	*1,310.25*	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,603.46	655.01
		For Class 52 Rating, Deduct	*-507.21*	
		For Class 54 Rating, Add	*703.56*	
		For Class 55 Rating, Add	*1,052.07*	
		For Class 56 Rating, Add	*1,395.98*	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,899.97	659.47
		For Class 52 Rating, Deduct	*-539.09*	
		For Class 54 Rating, Add	*747.11*	
		For Class 55 Rating, Add	*1,116.85*	
		For Class 56 Rating, Add	*1,481.70*	
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,196.49	663.93
		For Class 52 Rating, Deduct	*-570.96*	
		For Class 54 Rating, Add	*790.65*	
		For Class 55 Rating, Add	*1,181.63*	
		For Class 56 Rating, Add	*1,567.42*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,493.00	668.38
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*834.20*	
		For Class 55 Rating, Add	*1,246.41*	
		For Class 56 Rating, Add	*1,653.15*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,789.52	672.83
		For Class 52 Rating, Deduct	*-634.71*	
		For Class 54 Rating, Add	*877.74*	
		For Class 55 Rating, Add	*1,311.19*	
		For Class 56 Rating, Add	*1,738.87*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,086.03	677.29
		For Class 52 Rating, Deduct	*-666.58*	
		For Class 54 Rating, Add	*921.29*	
		For Class 55 Rating, Add	*1,375.97*	
		For Class 56 Rating, Add	*1,824.59*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,382.54	681.75
		For Class 52 Rating, Deduct	*-698.45*	
		For Class 54 Rating, Add	*964.83*	
		For Class 55 Rating, Add	*1,440.75*	
		For Class 56 Rating, Add	*1,910.32*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,679.07	686.20
		For Class 52 Rating, Deduct	*-730.33*	
		For Class 54 Rating, Add	*1,008.38*	
		For Class 55 Rating, Add	*1,505.53*	
		For Class 56 Rating, Add	*1,996.04*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,975.58	690.66
		For Class 52 Rating, Deduct	*-762.20*	
		For Class 54 Rating, Add	*1,051.93*	
		For Class 55 Rating, Add	*1,570.31*	
		For Class 56 Rating, Add	*2,081.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,272.08	695.12
		For Class 52 Rating, Deduct	*-794.08*	
		For Class 54 Rating, Add	*1,095.47*	
		For Class 55 Rating, Add	*1,635.09*	
		For Class 56 Rating, Add	*2,167.48*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,568.61	699.57
		For Class 52 Rating, Deduct	*-825.95*	
		For Class 54 Rating, Add	*1,139.02*	
		For Class 55 Rating, Add	*1,699.87*	
		For Class 56 Rating, Add	*2,253.21*	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,865.12	704.03
		For Class 52 Rating, Deduct	*-857.83*	
		For Class 54 Rating, Add	*1,182.56*	
		For Class 55 Rating, Add	*1,764.65*	
		For Class 56 Rating, Add	*2,338.93*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,161.63	708.49
		For Class 52 Rating, Deduct	*-889.70*	
		For Class 54 Rating, Add	*1,226.11*	
		For Class 55 Rating, Add	*1,829.42*	
		For Class 56 Rating, Add	*2,424.65*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,458.15	712.94
		For Class 52 Rating, Deduct	*-921.57*	
		For Class 54 Rating, Add	*1,269.65*	
		For Class 55 Rating, Add	*1,894.21*	
		For Class 56 Rating, Add	*2,510.38*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,754.66	717.40
		For Class 52 Rating, Deduct	*-953.45*	
		For Class 54 Rating, Add	*1,313.20*	
		For Class 55 Rating, Add	*1,958.98*	
		For Class 56 Rating, Add	*2,596.10*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,051.18	721.85
		For Class 52 Rating, Deduct	*-985.32*	
		For Class 54 Rating, Add	*1,356.74*	
		For Class 55 Rating, Add	*2,023.76*	
		For Class 56 Rating, Add	*2,681.82*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,347.69	726.30
		For Class 52 Rating, Deduct	*-1,017.20*	
		For Class 54 Rating, Add	*1,400.29*	
		For Class 55 Rating, Add	*2,088.54*	
		For Class 56 Rating, Add	*2,767.55*	
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,641.06	730.76
		For Class 52 Rating, Deduct	*-1,048.72*	
		For Class 54 Rating, Add	*1,443.36*	
		For Class 55 Rating, Add	*2,152.62*	
		For Class 56 Rating, Add	*2,852.34*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,940.72	735.22
		For Class 52 Rating, Deduct	*-1,080.94*	
		For Class 54 Rating, Add	*1,487.38*	
		For Class 55 Rating, Add	*2,218.10*	
		For Class 56 Rating, Add	*2,938.99*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,237.24	739.67
		For Class 52 Rating, Deduct	*-1,112.82*	
		For Class 54 Rating, Add	*1,530.93*	
		For Class 55 Rating, Add	*2,282.88*	
		For Class 56 Rating, Add	*3,024.72*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,533.75	744.13
		For Class 52 Rating, Deduct	*-1,144.69*	
		For Class 54 Rating, Add	*1,574.47*	
		For Class 55 Rating, Add	*2,347.66*	
		For Class 56 Rating, Add	*3,110.44*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,830.26	748.59
		For Class 52 Rating, Deduct	*-1,176.56*	
		For Class 54 Rating, Add	*1,618.02*	
		For Class 55 Rating, Add	*2,412.44*	
		For Class 56 Rating, Add	*3,196.16*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,126.78	753.04
		For Class 52 Rating, Deduct	*-1,208.44*	
		For Class 54 Rating, Add	*1,661.56*	
		For Class 55 Rating, Add	*2,477.22*	
		For Class 56 Rating, Add	*3,281.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,423.29	757.50
		For Class 52 Rating, Deduct	*-1,240.31*	
		For Class 54 Rating, Add	*1,705.11*	
		For Class 55 Rating, Add	*2,542.00*	
		For Class 56 Rating, Add	*3,367.61*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,719.80	761.96
		For Class 52 Rating, Deduct	*-1,272.19*	
		For Class 54 Rating, Add	*1,748.65*	
		For Class 55 Rating, Add	*2,606.78*	
		For Class 56 Rating, Add	*3,453.33*	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,016.32	766.41
		For Class 52 Rating, Deduct	*-1,304.06*	
		For Class 54 Rating, Add	*1,792.20*	
		For Class 55 Rating, Add	*2,671.55*	
		For Class 56 Rating, Add	*3,539.06*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,312.84	770.86
		For Class 52 Rating, Deduct	*-1,335.93*	
		For Class 54 Rating, Add	*1,835.74*	
		For Class 55 Rating, Add	*2,736.34*	
		For Class 56 Rating, Add	*3,624.78*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,609.35	775.32
		For Class 52 Rating, Deduct	*-1,367.81*	
		For Class 54 Rating, Add	*1,879.29*	
		For Class 55 Rating, Add	*2,801.11*	
		For Class 56 Rating, Add	*3,710.50*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,905.86	779.78
		For Class 52 Rating, Deduct	*-1,399.68*	
		For Class 54 Rating, Add	*1,922.83*	
		For Class 55 Rating, Add	*2,865.89*	
		For Class 56 Rating, Add	*3,796.23*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,202.38	784.23
		For Class 52 Rating, Deduct	*-1,431.56*	
		For Class 54 Rating, Add	*1,966.38*	
		For Class 55 Rating, Add	*2,930.67*	
		For Class 56 Rating, Add	*3,881.95*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,498.90	788.69
		For Class 52 Rating, Deduct	*-1,463.43*	
		For Class 54 Rating, Add	*2,009.93*	
		For Class 55 Rating, Add	*2,995.45*	
		For Class 56 Rating, Add	*3,967.67*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,795.40	793.15
		For Class 52 Rating, Deduct	*-1,495.30*	
		For Class 54 Rating, Add	*2,053.47*	
		For Class 55 Rating, Add	*3,060.23*	
		For Class 56 Rating, Add	*4,053.39*	

40 05 19 00-2275 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,727.91	748.59
		For Class 52 Rating, Deduct	*-395.31*	
		For Class 54 Rating, Add	*552.66*	
		For Class 55 Rating, Add	*828.61*	
		For Class 56 Rating, Add	*1,100.97*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,087.43	753.04
		For Class 52 Rating, Deduct	*-434.11*	
		For Class 54 Rating, Add	*605.66*	
		For Class 55 Rating, Add	*907.44*	
		For Class 56 Rating, Add	*1,205.28*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,446.92	757.50
		For Class 52 Rating, Deduct	*-472.91*	
		For Class 54 Rating, Add	*658.65*	
		For Class 55 Rating, Add	*986.27*	
		For Class 56 Rating, Add	*1,309.58*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,806.43	761.96
		For Class 52 Rating, Deduct	*-511.72*	
		For Class 54 Rating, Add	*711.65*	
		For Class 55 Rating, Add	*1,065.09*	
		For Class 56 Rating, Add	*1,413.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,165.94	766.41
		For Class 52 Rating, Deduct	*-550.52*	
		For Class 54 Rating, Add	*764.64*	
		For Class 55 Rating, Add	*1,143.92*	
		For Class 56 Rating, Add	*1,518.19*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,525.45	770.86
		For Class 52 Rating, Deduct	*-589.32*	
		For Class 54 Rating, Add	*817.64*	
		For Class 55 Rating, Add	*1,222.75*	
		For Class 56 Rating, Add	*1,622.50*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,884.95	775.32
		For Class 52 Rating, Deduct	*-628.12*	
		For Class 54 Rating, Add	*870.63*	
		For Class 55 Rating, Add	*1,301.57*	
		For Class 56 Rating, Add	*1,726.81*	
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,244.46	779.78
		For Class 52 Rating, Deduct	*-666.93*	
		For Class 54 Rating, Add	*923.62*	
		For Class 55 Rating, Add	*1,380.40*	
		For Class 56 Rating, Add	*1,831.11*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,603.97	784.23
		For Class 52 Rating, Deduct	*-705.73*	
		For Class 54 Rating, Add	*976.62*	
		For Class 55 Rating, Add	*1,459.23*	
		For Class 56 Rating, Add	*1,935.42*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,963.48	788.69
		For Class 52 Rating, Deduct	*-744.53*	
		For Class 54 Rating, Add	*1,029.61*	
		For Class 55 Rating, Add	*1,538.05*	
		For Class 56 Rating, Add	*2,039.72*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,322.98	793.15
		For Class 52 Rating, Deduct	*-783.34*	
		For Class 54 Rating, Add	*1,082.61*	
		For Class 55 Rating, Add	*1,616.88*	
		For Class 56 Rating, Add	*2,144.03*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,682.49	797.60
		For Class 52 Rating, Deduct	*-822.14*	
		For Class 54 Rating, Add	*1,135.60*	
		For Class 55 Rating, Add	*1,695.71*	
		For Class 56 Rating, Add	*2,248.34*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,042.00	802.06
		For Class 52 Rating, Deduct	*-860.94*	
		For Class 54 Rating, Add	*1,188.60*	
		For Class 55 Rating, Add	*1,774.53*	
		For Class 56 Rating, Add	*2,352.64*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,401.50	806.52
		For Class 52 Rating, Deduct	*-899.75*	
		For Class 54 Rating, Add	*1,241.59*	
		For Class 55 Rating, Add	*1,853.36*	
		For Class 56 Rating, Add	*2,456.95*	
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,761.01	810.97
		For Class 52 Rating, Deduct	*-938.55*	
		For Class 54 Rating, Add	*1,294.59*	
		For Class 55 Rating, Add	*1,932.19*	
		For Class 56 Rating, Add	*2,561.25*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,120.51	815.42
		For Class 52 Rating, Deduct	*-977.35*	
		For Class 54 Rating, Add	*1,347.58*	
		For Class 55 Rating, Add	*2,011.01*	
		For Class 56 Rating, Add	*2,665.56*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,480.03	819.88
		For Class 52 Rating, Deduct	*-1,016.16*	
		For Class 54 Rating, Add	*1,400.57*	
		For Class 55 Rating, Add	*2,089.84*	
		For Class 56 Rating, Add	*2,769.87*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,839.52	824.33
		For Class 52 Rating, Deduct	*-1,054.96*	
		For Class 54 Rating, Add	*1,453.57*	
		For Class 55 Rating, Add	*2,168.66*	
		For Class 56 Rating, Add	*2,874.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,199.03	828.79
		For Class 52 Rating, Deduct	*-1,093.76*	
		For Class 54 Rating, Add	*1,506.56*	
		For Class 55 Rating, Add	*2,247.49*	
		For Class 56 Rating, Add	*2,978.48*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,558.54	833.25
		For Class 52 Rating, Deduct	*-1,132.56*	
		For Class 54 Rating, Add	*1,559.56*	
		For Class 55 Rating, Add	*2,326.32*	
		For Class 56 Rating, Add	*3,082.78*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,918.05	837.70
		For Class 52 Rating, Deduct	*-1,171.37*	
		For Class 54 Rating, Add	*1,612.55*	
		For Class 55 Rating, Add	*2,405.14*	
		For Class 56 Rating, Add	*3,187.09*	
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,277.55	842.16
		For Class 52 Rating, Deduct	*-1,210.17*	
		For Class 54 Rating, Add	*1,665.54*	
		For Class 55 Rating, Add	*2,483.97*	
		For Class 56 Rating, Add	*3,291.39*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,637.06	846.62
		For Class 52 Rating, Deduct	*-1,248.97*	
		For Class 54 Rating, Add	*1,718.54*	
		For Class 55 Rating, Add	*2,562.80*	
		For Class 56 Rating, Add	*3,395.70*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,996.56	851.08
		For Class 52 Rating, Deduct	*-1,287.78*	
		For Class 54 Rating, Add	*1,771.53*	
		For Class 55 Rating, Add	*2,641.62*	
		For Class 56 Rating, Add	*3,500.00*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,356.08	855.53
		For Class 52 Rating, Deduct	*-1,326.58*	
		For Class 54 Rating, Add	*1,824.53*	
		For Class 55 Rating, Add	*2,720.45*	
		For Class 56 Rating, Add	*3,604.31*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,715.57	859.98
		For Class 52 Rating, Deduct	*-1,365.38*	
		For Class 54 Rating, Add	*1,877.52*	
		For Class 55 Rating, Add	*2,799.28*	
		For Class 56 Rating, Add	*3,708.62*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,075.09	864.44
		For Class 52 Rating, Deduct	*-1,404.19*	
		For Class 54 Rating, Add	*1,930.52*	
		For Class 55 Rating, Add	*2,878.10*	
		For Class 56 Rating, Add	*3,812.92*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,434.59	868.89
		For Class 52 Rating, Deduct	*-1,442.99*	
		For Class 54 Rating, Add	*1,983.51*	
		For Class 55 Rating, Add	*2,956.93*	
		For Class 56 Rating, Add	*3,917.23*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,794.10	873.35
		For Class 52 Rating, Deduct	*-1,481.79*	
		For Class 54 Rating, Add	*2,036.51*	
		For Class 55 Rating, Add	*3,035.76*	
		For Class 56 Rating, Add	*4,021.54*	
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,153.60	877.81
		For Class 52 Rating, Deduct	*-1,520.59*	
		For Class 54 Rating, Add	*2,089.50*	
		For Class 55 Rating, Add	*3,114.58*	
		For Class 56 Rating, Add	*4,125.84*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,513.11	882.26
		For Class 52 Rating, Deduct	*-1,559.40*	
		For Class 54 Rating, Add	*2,142.49*	
		For Class 55 Rating, Add	*3,193.41*	
		For Class 56 Rating, Add	*4,230.15*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,872.62	886.72
		For Class 52 Rating, Deduct	*-1,598.20*	
		For Class 54 Rating, Add	*2,195.49*	
		For Class 55 Rating, Add	*3,272.23*	
		For Class 56 Rating, Add	*4,334.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,232.12	891.18
		For Class 52 Rating, Deduct	*-1,637.00*	
		For Class 54 Rating, Add	*2,248.48*	
		For Class 55 Rating, Add	*3,351.06*	
		For Class 56 Rating, Add	*4,438.76*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,591.63	895.63
		For Class 52 Rating, Deduct	*-1,675.81*	
		For Class 54 Rating, Add	*2,301.48*	
		For Class 55 Rating, Add	*3,429.89*	
		For Class 56 Rating, Add	*4,543.07*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,951.14	900.09
		For Class 52 Rating, Deduct	*-1,714.61*	
		For Class 54 Rating, Add	*2,354.47*	
		For Class 55 Rating, Add	*3,508.71*	
		For Class 56 Rating, Add	*4,647.37*	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,310.65	904.55
		For Class 52 Rating, Deduct	*-1,753.41*	
		For Class 54 Rating, Add	*2,407.47*	
		For Class 55 Rating, Add	*3,587.54*	
		For Class 56 Rating, Add	*4,751.68*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,670.15	908.99
		For Class 52 Rating, Deduct	*-1,792.22*	
		For Class 54 Rating, Add	*2,460.46*	
		For Class 55 Rating, Add	*3,666.37*	
		For Class 56 Rating, Add	*4,855.98*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,029.66	913.45
		For Class 52 Rating, Deduct	*-1,831.02*	
		For Class 54 Rating, Add	*2,513.45*	
		For Class 55 Rating, Add	*3,745.19*	
		For Class 56 Rating, Add	*4,960.29*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,548.22	855.53
		For Class 52 Rating, Deduct	*-467.72*	
		For Class 54 Rating, Add	*653.35*	
		For Class 55 Rating, Add	*979.30*	
		For Class 56 Rating, Add	*1,300.99*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,964.41	859.98
		For Class 52 Rating, Deduct	*-512.76*	
		For Class 54 Rating, Add	*714.85*	
		For Class 55 Rating, Add	*1,070.77*	
		For Class 56 Rating, Add	*1,422.02*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,380.62	864.44
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*776.35*	
		For Class 55 Rating, Add	*1,162.24*	
		For Class 56 Rating, Add	*1,543.06*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,796.81	868.89
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*837.84*	
		For Class 55 Rating, Add	*1,253.70*	
		For Class 56 Rating, Add	*1,664.08*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,213.01	873.35
		For Class 52 Rating, Deduct	*-647.87*	
		For Class 54 Rating, Add	*899.34*	
		For Class 55 Rating, Add	*1,345.17*	
		For Class 56 Rating, Add	*1,785.11*	
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,629.21	877.81
		For Class 52 Rating, Deduct	*-692.91*	
		For Class 54 Rating, Add	*960.84*	
		For Class 55 Rating, Add	*1,436.64*	
		For Class 56 Rating, Add	*1,906.14*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,045.41	882.26
		For Class 52 Rating, Deduct	*-737.95*	
		For Class 54 Rating, Add	*1,022.34*	
		For Class 55 Rating, Add	*1,528.11*	
		For Class 56 Rating, Add	*2,027.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,461.62	886.72
		For Class 52 Rating, Deduct	*-782.99*	
		For Class 54 Rating, Add	*1,083.84*	
		For Class 55 Rating, Add	*1,619.58*	
		For Class 56 Rating, Add	*2,148.21*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,877.80	891.18
		For Class 52 Rating, Deduct	*-828.03*	
		For Class 54 Rating, Add	*1,145.33*	
		For Class 55 Rating, Add	*1,711.05*	
		For Class 56 Rating, Add	*2,269.23*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,294.00	895.63
		For Class 52 Rating, Deduct	*-873.07*	
		For Class 54 Rating, Add	*1,206.83*	
		For Class 55 Rating, Add	*1,802.52*	
		For Class 56 Rating, Add	*2,390.26*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,710.21	900.09
		For Class 52 Rating, Deduct	*-918.11*	
		For Class 54 Rating, Add	*1,268.33*	
		For Class 55 Rating, Add	*1,893.99*	
		For Class 56 Rating, Add	*2,511.30*	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,126.41	904.55
		For Class 52 Rating, Deduct	*-963.15*	
		For Class 54 Rating, Add	*1,329.83*	
		For Class 55 Rating, Add	*1,985.46*	
		For Class 56 Rating, Add	*2,632.33*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,542.61	908.99
		For Class 52 Rating, Deduct	*-1,008.19*	
		For Class 54 Rating, Add	*1,391.33*	
		For Class 55 Rating, Add	*2,076.93*	
		For Class 56 Rating, Add	*2,753.36*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,958.80	913.45
		For Class 52 Rating, Deduct	*-1,053.23*	
		For Class 54 Rating, Add	*1,452.83*	
		For Class 55 Rating, Add	*2,168.39*	
		For Class 56 Rating, Add	*2,874.38*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,375.00	917.91
		For Class 52 Rating, Deduct	*-1,098.27*	
		For Class 54 Rating, Add	*1,514.32*	
		For Class 55 Rating, Add	*2,259.86*	
		For Class 56 Rating, Add	*2,995.42*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,791.21	922.36
		For Class 52 Rating, Deduct	*-1,143.30*	
		For Class 54 Rating, Add	*1,575.82*	
		For Class 55 Rating, Add	*2,351.33*	
		For Class 56 Rating, Add	*3,116.45*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,207.40	926.82
		For Class 52 Rating, Deduct	*-1,188.34*	
		For Class 54 Rating, Add	*1,637.32*	
		For Class 55 Rating, Add	*2,442.80*	
		For Class 56 Rating, Add	*3,237.48*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,623.61	931.28
		For Class 52 Rating, Deduct	*-1,233.38*	
		For Class 54 Rating, Add	*1,698.82*	
		For Class 55 Rating, Add	*2,534.27*	
		For Class 56 Rating, Add	*3,358.51*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,039.80	935.73
		For Class 52 Rating, Deduct	*-1,278.42*	
		For Class 54 Rating, Add	*1,760.32*	
		For Class 55 Rating, Add	*2,625.74*	
		For Class 56 Rating, Add	*3,479.54*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,455.99	940.19
		For Class 52 Rating, Deduct	*-1,323.46*	
		For Class 54 Rating, Add	*1,821.81*	
		For Class 55 Rating, Add	*2,717.21*	
		For Class 56 Rating, Add	*3,600.57*	
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,872.20	944.65
		For Class 52 Rating, Deduct	*-1,368.50*	
		For Class 54 Rating, Add	*1,883.31*	
		For Class 55 Rating, Add	*2,808.68*	
		For Class 56 Rating, Add	*3,721.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,288.40	949.11
		For Class 52 Rating, Deduct	*-1,413.54*	
		For Class 54 Rating, Add	*1,944.81*	
		For Class 55 Rating, Add	*2,900.15*	
		For Class 56 Rating, Add	*3,842.63*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,704.61	953.55
		For Class 52 Rating, Deduct	*-1,458.58*	
		For Class 54 Rating, Add	*2,006.31*	
		For Class 55 Rating, Add	*2,991.61*	
		For Class 56 Rating, Add	*3,963.66*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,120.79	958.01
		For Class 52 Rating, Deduct	*-1,503.62*	
		For Class 54 Rating, Add	*2,067.81*	
		For Class 55 Rating, Add	*3,083.08*	
		For Class 56 Rating, Add	*4,084.69*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,536.99	962.47
		For Class 52 Rating, Deduct	*-1,548.66*	
		For Class 54 Rating, Add	*2,129.31*	
		For Class 55 Rating, Add	*3,174.55*	
		For Class 56 Rating, Add	*4,205.72*	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,953.20	966.92
		For Class 52 Rating, Deduct	*-1,593.70*	
		For Class 54 Rating, Add	*2,190.80*	
		For Class 55 Rating, Add	*3,266.02*	
		For Class 56 Rating, Add	*4,326.75*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,369.40	971.38
		For Class 52 Rating, Deduct	*-1,638.74*	
		For Class 54 Rating, Add	*2,252.30*	
		For Class 55 Rating, Add	*3,357.49*	
		For Class 56 Rating, Add	*4,447.78*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,785.60	975.84
		For Class 52 Rating, Deduct	*-1,683.78*	
		For Class 54 Rating, Add	*2,313.80*	
		For Class 55 Rating, Add	*3,448.96*	
		For Class 56 Rating, Add	*4,568.81*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,201.79	980.29
		For Class 52 Rating, Deduct	*-1,728.82*	
		For Class 54 Rating, Add	*2,375.30*	
		For Class 55 Rating, Add	*3,540.43*	
		For Class 56 Rating, Add	*4,689.84*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,617.99	984.75
		For Class 52 Rating, Deduct	*-1,773.85*	
		For Class 54 Rating, Add	*2,436.80*	
		For Class 55 Rating, Add	*3,631.90*	
		For Class 56 Rating, Add	*4,810.87*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,034.20	989.21
		For Class 52 Rating, Deduct	*-1,818.89*	
		For Class 54 Rating, Add	*2,498.30*	
		For Class 55 Rating, Add	*3,723.37*	
		For Class 56 Rating, Add	*4,931.90*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,450.39	993.66
		For Class 52 Rating, Deduct	*-1,863.93*	
		For Class 54 Rating, Add	*2,559.79*	
		For Class 55 Rating, Add	*3,814.83*	
		For Class 56 Rating, Add	*5,052.93*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,866.60	998.11
		For Class 52 Rating, Deduct	*-1,908.97*	
		For Class 54 Rating, Add	*2,621.29*	
		For Class 55 Rating, Add	*3,906.30*	
		For Class 56 Rating, Add	*5,173.96*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,282.79	1,002.57
		For Class 52 Rating, Deduct	*-1,954.01*	
		For Class 54 Rating, Add	*2,682.79*	
		For Class 55 Rating, Add	*3,997.77*	
		For Class 56 Rating, Add	*5,294.99*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,698.98	1,007.02
		For Class 52 Rating, Deduct	*-1,999.05*	
		For Class 54 Rating, Add	*2,744.29*	
		For Class 55 Rating, Add	*4,089.24*	
		For Class 56 Rating, Add	*5,416.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,115.19	1,011.48
		For Class 52 Rating, Deduct	*-2,044.09*	
		For Class 54 Rating, Add	*2,805.79*	
		For Class 55 Rating, Add	*4,180.71*	
		For Class 56 Rating, Add	*5,537.05*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,531.39	1,015.94
		For Class 52 Rating, Deduct	*-2,089.13*	
		For Class 54 Rating, Add	*2,867.29*	
		For Class 55 Rating, Add	*4,272.18*	
		For Class 56 Rating, Add	*5,658.08*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,947.60	1,020.39
		For Class 52 Rating, Deduct	*-2,134.17*	
		For Class 54 Rating, Add	*2,928.78*	
		For Class 55 Rating, Add	*4,363.65*	
		For Class 56 Rating, Add	*5,779.11*	

40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,468.84	964.25
		For Class 52 Rating, Deduct	*-550.86*	
		For Class 54 Rating, Add	*768.71*	
		For Class 55 Rating, Add	*1,151.82*	
		For Class 56 Rating, Add	*1,529.91*	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,948.04	968.71
		For Class 52 Rating, Deduct	*-602.83*	
		For Class 54 Rating, Add	*839.66*	
		For Class 55 Rating, Add	*1,257.33*	
		For Class 56 Rating, Add	*1,669.53*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,427.23	973.17
		For Class 52 Rating, Deduct	*-654.80*	
		For Class 54 Rating, Add	*910.60*	
		For Class 55 Rating, Add	*1,362.85*	
		For Class 56 Rating, Add	*1,809.14*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,906.42	977.62
		For Class 52 Rating, Deduct	*-706.77*	
		For Class 54 Rating, Add	*981.55*	
		For Class 55 Rating, Add	*1,468.36*	
		For Class 56 Rating, Add	*1,948.75*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,385.61	982.07
		For Class 52 Rating, Deduct	*-758.74*	
		For Class 54 Rating, Add	*1,052.50*	
		For Class 55 Rating, Add	*1,573.88*	
		For Class 56 Rating, Add	*2,088.37*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,864.80	986.53
		For Class 52 Rating, Deduct	*-810.71*	
		For Class 54 Rating, Add	*1,123.45*	
		For Class 55 Rating, Add	*1,679.40*	
		For Class 56 Rating, Add	*2,227.98*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,344.00	990.98
		For Class 52 Rating, Deduct	*-862.68*	
		For Class 54 Rating, Add	*1,194.39*	
		For Class 55 Rating, Add	*1,784.91*	
		For Class 56 Rating, Add	*2,367.59*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,823.19	995.44
		For Class 52 Rating, Deduct	*-914.64*	
		For Class 54 Rating, Add	*1,265.34*	
		For Class 55 Rating, Add	*1,890.43*	
		For Class 56 Rating, Add	*2,507.20*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,302.37	999.90
		For Class 52 Rating, Deduct	*-966.61*	
		For Class 54 Rating, Add	*1,336.29*	
		For Class 55 Rating, Add	*1,995.95*	
		For Class 56 Rating, Add	*2,646.82*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,781.57	1,004.35
		For Class 52 Rating, Deduct	*-1,018.58*	
		For Class 54 Rating, Add	*1,407.23*	
		For Class 55 Rating, Add	*2,101.46*	
		For Class 56 Rating, Add	*2,786.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,260.76	1,008.81
		For Class 52 Rating, Deduct	*-1,070.55*	
		For Class 54 Rating, Add	*1,478.18*	
		For Class 55 Rating, Add	*2,206.98*	
		For Class 56 Rating, Add	*2,926.04*	
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,739.96	1,013.27
		For Class 52 Rating, Deduct	*-1,122.52*	
		For Class 54 Rating, Add	*1,549.13*	
		For Class 55 Rating, Add	*2,312.49*	
		For Class 56 Rating, Add	*3,065.66*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,219.14	1,017.72
		For Class 52 Rating, Deduct	*-1,174.49*	
		For Class 54 Rating, Add	*1,620.08*	
		For Class 55 Rating, Add	*2,418.01*	
		For Class 56 Rating, Add	*3,205.27*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,698.33	1,022.18
		For Class 52 Rating, Deduct	*-1,226.45*	
		For Class 54 Rating, Add	*1,691.02*	
		For Class 55 Rating, Add	*2,523.53*	
		For Class 56 Rating, Add	*3,344.88*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,177.53	1,026.63
		For Class 52 Rating, Deduct	*-1,278.42*	
		For Class 54 Rating, Add	*1,761.97*	
		For Class 55 Rating, Add	*2,629.04*	
		For Class 56 Rating, Add	*3,484.49*	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,656.71	1,031.09
		For Class 52 Rating, Deduct	*-1,330.39*	
		For Class 54 Rating, Add	*1,832.92*	
		For Class 55 Rating, Add	*2,734.56*	
		For Class 56 Rating, Add	*3,624.11*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,135.91	1,035.54
		For Class 52 Rating, Deduct	*-1,382.36*	
		For Class 54 Rating, Add	*1,903.86*	
		For Class 55 Rating, Add	*2,840.07*	
		For Class 56 Rating, Add	*3,763.72*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,615.10	1,040.00
		For Class 52 Rating, Deduct	*-1,434.33*	
		For Class 54 Rating, Add	*1,974.81*	
		For Class 55 Rating, Add	*2,945.59*	
		For Class 56 Rating, Add	*3,903.33*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,094.29	1,044.46
		For Class 52 Rating, Deduct	*-1,486.30*	
		For Class 54 Rating, Add	*2,045.76*	
		For Class 55 Rating, Add	*3,051.11*	
		For Class 56 Rating, Add	*4,042.95*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,573.48	1,048.91
		For Class 52 Rating, Deduct	*-1,538.26*	
		For Class 54 Rating, Add	*2,116.70*	
		For Class 55 Rating, Add	*3,156.62*	
		For Class 56 Rating, Add	*4,182.56*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,052.67	1,053.37
		For Class 52 Rating, Deduct	*-1,590.23*	
		For Class 54 Rating, Add	*2,187.65*	
		For Class 55 Rating, Add	*3,262.14*	
		For Class 56 Rating, Add	*4,322.17*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,531.87	1,057.83
		For Class 52 Rating, Deduct	*-1,642.20*	
		For Class 54 Rating, Add	*2,258.60*	
		For Class 55 Rating, Add	*3,367.66*	
		For Class 56 Rating, Add	*4,461.78*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,011.06	1,062.28
		For Class 52 Rating, Deduct	*-1,694.17*	
		For Class 54 Rating, Add	*2,329.55*	
		For Class 55 Rating, Add	*3,473.17*	
		For Class 56 Rating, Add	*4,601.40*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,490.24	1,066.74
		For Class 52 Rating, Deduct	*-1,746.14*	
		For Class 54 Rating, Add	*2,400.49*	
		For Class 55 Rating, Add	*3,578.69*	
		For Class 56 Rating, Add	*4,741.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,969.44	1,071.20
		For Class 52 Rating, Deduct	*-1,798.11*	
		For Class 54 Rating, Add	*2,471.44*	
		For Class 55 Rating, Add	*3,684.20*	
		For Class 56 Rating, Add	*4,880.62*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,448.63	1,075.64
		For Class 52 Rating, Deduct	*-1,850.07*	
		For Class 54 Rating, Add	*2,542.39*	
		For Class 55 Rating, Add	*3,789.72*	
		For Class 56 Rating, Add	*5,020.24*	
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,927.83	1,080.10
		For Class 52 Rating, Deduct	*-1,902.04*	
		For Class 54 Rating, Add	*2,613.33*	
		For Class 55 Rating, Add	*3,895.24*	
		For Class 56 Rating, Add	*5,159.85*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,407.01	1,084.56
		For Class 52 Rating, Deduct	*-1,954.01*	
		For Class 54 Rating, Add	*2,684.28*	
		For Class 55 Rating, Add	*4,000.75*	
		For Class 56 Rating, Add	*5,299.46*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,886.20	1,089.01
		For Class 52 Rating, Deduct	*-2,005.98*	
		For Class 54 Rating, Add	*2,755.23*	
		For Class 55 Rating, Add	*4,106.27*	
		For Class 56 Rating, Add	*5,439.07*	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,365.40	1,093.47
		For Class 52 Rating, Deduct	*-2,057.95*	
		For Class 54 Rating, Add	*2,826.17*	
		For Class 55 Rating, Add	*4,211.78*	
		For Class 56 Rating, Add	*5,578.69*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,844.58	1,097.93
		For Class 52 Rating, Deduct	*-2,109.92*	
		For Class 54 Rating, Add	*2,897.12*	
		For Class 55 Rating, Add	*4,317.30*	
		For Class 56 Rating, Add	*5,718.30*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,323.78	1,102.38
		For Class 52 Rating, Deduct	*-2,161.89*	
		For Class 54 Rating, Add	*2,968.07*	
		For Class 55 Rating, Add	*4,422.82*	
		For Class 56 Rating, Add	*5,857.91*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,802.97	1,106.84
		For Class 52 Rating, Deduct	*-2,213.85*	
		For Class 54 Rating, Add	*3,039.02*	
		For Class 55 Rating, Add	*4,528.33*	
		For Class 56 Rating, Add	*5,997.53*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,282.16	1,111.30
		For Class 52 Rating, Deduct	*-2,265.82*	
		For Class 54 Rating, Add	*3,109.96*	
		For Class 55 Rating, Add	*4,633.85*	
		For Class 56 Rating, Add	*6,137.14*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,761.35	1,115.75
		For Class 52 Rating, Deduct	*-2,317.79*	
		For Class 54 Rating, Add	*3,180.91*	
		For Class 55 Rating, Add	*4,739.37*	
		For Class 56 Rating, Add	*6,276.75*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,240.54	1,120.20
		For Class 52 Rating, Deduct	*-2,369.76*	
		For Class 54 Rating, Add	*3,251.86*	
		For Class 55 Rating, Add	*4,844.88*	
		For Class 56 Rating, Add	*6,416.36*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,719.74	1,124.66
		For Class 52 Rating, Deduct	*-2,421.73*	
		For Class 54 Rating, Add	*3,322.80*	
		For Class 55 Rating, Add	*4,950.40*	
		For Class 56 Rating, Add	*6,555.98*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,198.93	1,129.12
		For Class 52 Rating, Deduct	*-2,473.70*	
		For Class 54 Rating, Add	*3,393.75*	
		For Class 55 Rating, Add	*5,055.91*	
		For Class 56 Rating, Add	*6,695.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,573.08	1,100.60
		For Class 52 Rating, Deduct	*-649.61*	
		For Class 54 Rating, Add	*905.84*	
		For Class 55 Rating, Add	*1,356.95*	
		For Class 56 Rating, Add	*1,802.16*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,118.41	1,105.05
		For Class 52 Rating, Deduct	*-708.85*	
		For Class 54 Rating, Add	*986.70*	
		For Class 55 Rating, Add	*1,477.21*	
		For Class 56 Rating, Add	*1,961.28*	
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,663.74	1,109.51
		For Class 52 Rating, Deduct	*-768.09*	
		For Class 54 Rating, Add	*1,067.57*	
		For Class 55 Rating, Add	*1,597.48*	
		For Class 56 Rating, Add	*2,120.40*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,209.07	1,113.97
		For Class 52 Rating, Deduct	*-827.34*	
		For Class 54 Rating, Add	*1,148.44*	
		For Class 55 Rating, Add	*1,717.74*	
		For Class 56 Rating, Add	*2,279.53*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,754.41	1,118.43
		For Class 52 Rating, Deduct	*-886.58*	
		For Class 54 Rating, Add	*1,229.31*	
		For Class 55 Rating, Add	*1,838.01*	
		For Class 56 Rating, Add	*2,438.65*	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,299.75	1,122.88
		For Class 52 Rating, Deduct	*-945.83*	
		For Class 54 Rating, Add	*1,310.18*	
		For Class 55 Rating, Add	*1,958.28*	
		For Class 56 Rating, Add	*2,597.78*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,845.07	1,127.34
		For Class 52 Rating, Deduct	*-1,005.07*	
		For Class 54 Rating, Add	*1,391.05*	
		For Class 55 Rating, Add	*2,078.54*	
		For Class 56 Rating, Add	*2,756.90*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,390.41	1,131.80
		For Class 52 Rating, Deduct	*-1,064.31*	
		For Class 54 Rating, Add	*1,471.91*	
		For Class 55 Rating, Add	*2,198.81*	
		For Class 56 Rating, Add	*2,916.03*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,935.74	1,136.25
		For Class 52 Rating, Deduct	*-1,123.56*	
		For Class 54 Rating, Add	*1,552.78*	
		For Class 55 Rating, Add	*2,319.07*	
		For Class 56 Rating, Add	*3,075.15*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,481.06	1,140.70
		For Class 52 Rating, Deduct	*-1,182.80*	
		For Class 54 Rating, Add	*1,633.65*	
		For Class 55 Rating, Add	*2,439.34*	
		For Class 56 Rating, Add	*3,234.28*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,026.41	1,145.16
		For Class 52 Rating, Deduct	*-1,242.05*	
		For Class 54 Rating, Add	*1,714.52*	
		For Class 55 Rating, Add	*2,559.61*	
		For Class 56 Rating, Add	*3,393.40*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,571.74	1,149.61
		For Class 52 Rating, Deduct	*-1,301.29*	
		For Class 54 Rating, Add	*1,795.39*	
		For Class 55 Rating, Add	*2,679.87*	
		For Class 56 Rating, Add	*3,552.53*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,117.08	1,154.07
		For Class 52 Rating, Deduct	*-1,360.53*	
		For Class 54 Rating, Add	*1,876.26*	
		For Class 55 Rating, Add	*2,800.14*	
		For Class 56 Rating, Add	*3,711.65*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,662.40	1,158.53
		For Class 52 Rating, Deduct	*-1,419.78*	
		For Class 54 Rating, Add	*1,957.12*	
		For Class 55 Rating, Add	*2,920.40*	
		For Class 56 Rating, Add	*3,870.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,207.73	1,162.98
		For Class 52 Rating, Deduct	*-1,479.02*	
		For Class 54 Rating, Add	*2,037.99*	
		For Class 55 Rating, Add	*3,040.67*	
		For Class 56 Rating, Add	*4,029.90*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,753.07	1,167.44
		For Class 52 Rating, Deduct	*-1,538.26*	
		For Class 54 Rating, Add	*2,118.86*	
		For Class 55 Rating, Add	*3,160.93*	
		For Class 56 Rating, Add	*4,189.02*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,298.41	1,171.90
		For Class 52 Rating, Deduct	*-1,597.51*	
		For Class 54 Rating, Add	*2,199.73*	
		For Class 55 Rating, Add	*3,281.20*	
		For Class 56 Rating, Add	*4,348.15*	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,843.74	1,176.35
		For Class 52 Rating, Deduct	*-1,656.75*	
		For Class 54 Rating, Add	*2,280.60*	
		For Class 55 Rating, Add	*3,401.47*	
		For Class 56 Rating, Add	*4,507.27*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,389.07	1,180.81
		For Class 52 Rating, Deduct	*-1,716.00*	
		For Class 54 Rating, Add	*2,361.46*	
		For Class 55 Rating, Add	*3,521.73*	
		For Class 56 Rating, Add	*4,666.40*	
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,934.40	1,185.26
		For Class 52 Rating, Deduct	*-1,775.24*	
		For Class 54 Rating, Add	*2,442.33*	
		For Class 55 Rating, Add	*3,642.00*	
		For Class 56 Rating, Add	*4,825.52*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,479.74	1,189.71
		For Class 52 Rating, Deduct	*-1,834.48*	
		For Class 54 Rating, Add	*2,523.20*	
		For Class 55 Rating, Add	*3,762.26*	
		For Class 56 Rating, Add	*4,984.65*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,025.06	1,194.17
		For Class 52 Rating, Deduct	*-1,893.73*	
		For Class 54 Rating, Add	*2,604.07*	
		For Class 55 Rating, Add	*3,882.53*	
		For Class 56 Rating, Add	*5,143.77*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,570.41	1,198.63
		For Class 52 Rating, Deduct	*-1,952.97*	
		For Class 54 Rating, Add	*2,684.94*	
		For Class 55 Rating, Add	*4,002.80*	
		For Class 56 Rating, Add	*5,302.90*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,115.74	1,203.08
		For Class 52 Rating, Deduct	*-2,012.22*	
		For Class 54 Rating, Add	*2,765.81*	
		For Class 55 Rating, Add	*4,123.06*	
		For Class 56 Rating, Add	*5,462.02*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,661.06	1,207.54
		For Class 52 Rating, Deduct	*-2,071.46*	
		For Class 54 Rating, Add	*2,846.67*	
		For Class 55 Rating, Add	*4,243.33*	
		For Class 56 Rating, Add	*5,621.15*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,206.40	1,212.00
		For Class 52 Rating, Deduct	*-2,130.70*	
		For Class 54 Rating, Add	*2,927.54*	
		For Class 55 Rating, Add	*4,363.59*	
		For Class 56 Rating, Add	*5,780.27*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,751.73	1,216.46
		For Class 52 Rating, Deduct	*-2,189.95*	
		For Class 54 Rating, Add	*3,008.41*	
		For Class 55 Rating, Add	*4,483.86*	
		For Class 56 Rating, Add	*5,939.39*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,297.07	1,220.91
		For Class 52 Rating, Deduct	*-2,249.19*	
		For Class 54 Rating, Add	*3,089.28*	
		For Class 55 Rating, Add	*4,604.12*	
		For Class 56 Rating, Add	*6,098.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,842.39	1,225.37
		For Class 52 Rating, Deduct	*-2,308.44*	
		For Class 54 Rating, Add	*3,170.15*	
		For Class 55 Rating, Add	*4,724.39*	
		For Class 56 Rating, Add	*6,257.64*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,387.73	1,229.83
		For Class 52 Rating, Deduct	*-2,367.68*	
		For Class 54 Rating, Add	*3,251.02*	
		For Class 55 Rating, Add	*4,844.66*	
		For Class 56 Rating, Add	*6,416.77*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,933.07	1,234.27
		For Class 52 Rating, Deduct	*-2,426.92*	
		For Class 54 Rating, Add	*3,331.88*	
		For Class 55 Rating, Add	*4,964.92*	
		For Class 56 Rating, Add	*6,575.89*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,478.40	1,238.73
		For Class 52 Rating, Deduct	*-2,486.17*	
		For Class 54 Rating, Add	*3,412.75*	
		For Class 55 Rating, Add	*5,085.19*	
		For Class 56 Rating, Add	*6,735.02*	
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,023.73	1,243.19
		For Class 52 Rating, Deduct	*-2,545.41*	
		For Class 54 Rating, Add	*3,493.62*	
		For Class 55 Rating, Add	*5,205.45*	
		For Class 56 Rating, Add	*6,894.14*	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,569.06	1,247.64
		For Class 52 Rating, Deduct	*-2,604.66*	
		For Class 54 Rating, Add	*3,574.49*	
		For Class 55 Rating, Add	*5,325.72*	
		For Class 56 Rating, Add	*7,053.27*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,114.39	1,252.10
		For Class 52 Rating, Deduct	*-2,663.90*	
		For Class 54 Rating, Add	*3,655.36*	
		For Class 55 Rating, Add	*5,445.98*	
		For Class 56 Rating, Add	*7,212.39*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,659.73	1,256.56
		For Class 52 Rating, Deduct	*-2,723.14*	
		For Class 54 Rating, Add	*3,736.23*	
		For Class 55 Rating, Add	*5,566.25*	
		For Class 56 Rating, Add	*7,371.52*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,205.06	1,261.01
		For Class 52 Rating, Deduct	*-2,782.39*	
		For Class 54 Rating, Add	*3,817.09*	
		For Class 55 Rating, Add	*5,686.52*	
		For Class 56 Rating, Add	*7,530.64*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,750.40	1,265.47
		For Class 52 Rating, Deduct	*-2,841.63*	
		For Class 54 Rating, Add	*3,897.96*	
		For Class 55 Rating, Add	*5,806.78*	
		For Class 56 Rating, Add	*7,689.77*	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,341.45	1,301.12
		For Class 52 Rating, Deduct	*-810.71*	
		For Class 54 Rating, Add	*1,129.17*	
		For Class 55 Rating, Add	*1,690.84*	
		For Class 56 Rating, Add	*2,245.14*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,015.92	1,305.57
		For Class 52 Rating, Deduct	*-884.16*	
		For Class 54 Rating, Add	*1,229.40*	
		For Class 55 Rating, Add	*1,839.90*	
		For Class 56 Rating, Add	*2,442.36*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,690.38	1,310.03
		For Class 52 Rating, Deduct	*-957.60*	
		For Class 54 Rating, Add	*1,329.64*	
		For Class 55 Rating, Add	*1,988.96*	
		For Class 56 Rating, Add	*2,639.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,364.85	1,314.49
		For Class 52 Rating, Deduct	*-1,031.05*	
		For Class 54 Rating, Add	*1,429.88*	
		For Class 55 Rating, Add	*2,138.03*	
		For Class 56 Rating, Add	*2,836.80*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,039.31	1,318.94
		For Class 52 Rating, Deduct	*-1,104.50*	
		For Class 54 Rating, Add	*1,530.12*	
		For Class 55 Rating, Add	*2,287.09*	
		For Class 56 Rating, Add	*3,034.01*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,713.78	1,323.39
		For Class 52 Rating, Deduct	*-1,177.95*	
		For Class 54 Rating, Add	*1,630.36*	
		For Class 55 Rating, Add	*2,436.15*	
		For Class 56 Rating, Add	*3,231.23*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,388.25	1,327.85
		For Class 52 Rating, Deduct	*-1,251.40*	
		For Class 54 Rating, Add	*1,730.60*	
		For Class 55 Rating, Add	*2,585.21*	
		For Class 56 Rating, Add	*3,428.45*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,062.72	1,332.30
		For Class 52 Rating, Deduct	*-1,324.85*	
		For Class 54 Rating, Add	*1,830.83*	
		For Class 55 Rating, Add	*2,734.28*	
		For Class 56 Rating, Add	*3,625.67*	
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,737.19	1,336.76
		For Class 52 Rating, Deduct	*-1,398.30*	
		For Class 54 Rating, Add	*1,931.07*	
		For Class 55 Rating, Add	*2,883.34*	
		For Class 56 Rating, Add	*3,822.89*	
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,411.64	1,341.22
		For Class 52 Rating, Deduct	*-1,471.75*	
		For Class 54 Rating, Add	*2,031.31*	
		For Class 55 Rating, Add	*3,032.40*	
		For Class 56 Rating, Add	*4,020.11*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,086.12	1,345.67
		For Class 52 Rating, Deduct	*-1,545.19*	
		For Class 54 Rating, Add	*2,131.55*	
		For Class 55 Rating, Add	*3,181.46*	
		For Class 56 Rating, Add	*4,217.33*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,760.58	1,350.13
		For Class 52 Rating, Deduct	*-1,618.64*	
		For Class 54 Rating, Add	*2,231.79*	
		For Class 55 Rating, Add	*3,330.52*	
		For Class 56 Rating, Add	*4,414.55*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,435.06	1,354.59
		For Class 52 Rating, Deduct	*-1,692.09*	
		For Class 54 Rating, Add	*2,332.03*	
		For Class 55 Rating, Add	*3,479.59*	
		For Class 56 Rating, Add	*4,611.77*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,109.51	1,359.04
		For Class 52 Rating, Deduct	*-1,765.54*	
		For Class 54 Rating, Add	*2,432.26*	
		For Class 55 Rating, Add	*3,628.65*	
		For Class 56 Rating, Add	*4,808.99*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,783.98	1,363.50
		For Class 52 Rating, Deduct	*-1,838.99*	
		For Class 54 Rating, Add	*2,532.50*	
		For Class 55 Rating, Add	*3,777.71*	
		For Class 56 Rating, Add	*5,006.21*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,458.45	1,367.96
		For Class 52 Rating, Deduct	*-1,912.44*	
		For Class 54 Rating, Add	*2,632.74*	
		For Class 55 Rating, Add	*3,926.78*	
		For Class 56 Rating, Add	*5,203.42*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,132.92	1,372.40
		For Class 52 Rating, Deduct	*-1,985.89*	
		For Class 54 Rating, Add	*2,732.98*	
		For Class 55 Rating, Add	*4,075.84*	
		For Class 56 Rating, Add	*5,400.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,807.38	1,376.86
		For Class 52 Rating, Deduct	*-2,059.33*	
		For Class 54 Rating, Add	*2,833.22*	
		For Class 55 Rating, Add	*4,224.90*	
		For Class 56 Rating, Add	*5,597.86*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,481.85	1,381.32
		For Class 52 Rating, Deduct	*-2,132.78*	
		For Class 54 Rating, Add	*2,933.46*	
		For Class 55 Rating, Add	*4,373.96*	
		For Class 56 Rating, Add	*5,795.08*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,156.31	1,385.77
		For Class 52 Rating, Deduct	*-2,206.23*	
		For Class 54 Rating, Add	*3,033.69*	
		For Class 55 Rating, Add	*4,523.02*	
		For Class 56 Rating, Add	*5,992.30*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,830.78	1,390.23
		For Class 52 Rating, Deduct	*-2,279.68*	
		For Class 54 Rating, Add	*3,133.93*	
		For Class 55 Rating, Add	*4,672.09*	
		For Class 56 Rating, Add	*6,189.52*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,505.24	1,394.69
		For Class 52 Rating, Deduct	*-2,353.13*	
		For Class 54 Rating, Add	*3,234.17*	
		For Class 55 Rating, Add	*4,821.15*	
		For Class 56 Rating, Add	*6,386.74*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,179.72	1,399.15
		For Class 52 Rating, Deduct	*-2,426.58*	
		For Class 54 Rating, Add	*3,334.41*	
		For Class 55 Rating, Add	*4,970.21*	
		For Class 56 Rating, Add	*6,583.96*	
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,854.18	1,403.60
		For Class 52 Rating, Deduct	*-2,500.03*	
		For Class 54 Rating, Add	*3,434.65*	
		For Class 55 Rating, Add	*5,119.27*	
		For Class 56 Rating, Add	*6,781.18*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,528.64	1,408.06
		For Class 52 Rating, Deduct	*-2,573.48*	
		For Class 54 Rating, Add	*3,534.89*	
		For Class 55 Rating, Add	*5,268.34*	
		For Class 56 Rating, Add	*6,978.40*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,203.11	1,412.52
		For Class 52 Rating, Deduct	*-2,646.92*	
		For Class 54 Rating, Add	*3,635.12*	
		For Class 55 Rating, Add	*5,417.40*	
		For Class 56 Rating, Add	*7,175.61*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,877.58	1,416.96
		For Class 52 Rating, Deduct	*-2,720.37*	
		For Class 54 Rating, Add	*3,735.36*	
		For Class 55 Rating, Add	*5,566.46*	
		For Class 56 Rating, Add	*7,372.83*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,552.05	1,421.42
		For Class 52 Rating, Deduct	*-2,793.82*	
		For Class 54 Rating, Add	*3,835.60*	
		For Class 55 Rating, Add	*5,715.52*	
		For Class 56 Rating, Add	*7,570.05*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,226.51	1,425.88
		For Class 52 Rating, Deduct	*-2,867.27*	
		For Class 54 Rating, Add	*3,935.84*	
		For Class 55 Rating, Add	*5,864.59*	
		For Class 56 Rating, Add	*7,767.27*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,015.75	1,506.09
		For Class 52 Rating, Deduct	*-2,940.72*	
		For Class 54 Rating, Add	*4,037.45*	
		For Class 55 Rating, Add	*6,016.40*	
		For Class 56 Rating, Add	*7,968.62*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,690.22	1,510.54
		For Class 52 Rating, Deduct	*-3,014.17*	
		For Class 54 Rating, Add	*4,137.69*	
		For Class 55 Rating, Add	*6,165.47*	
		For Class 56 Rating, Add	*8,165.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,364.69	1,514.99
		For Class 52 Rating, Deduct	*-3,087.62*	
		For Class 54 Rating, Add	*4,237.93*	
		For Class 55 Rating, Add	*6,314.53*	
		For Class 56 Rating, Add	*8,363.06*	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,039.15	1,519.45
		For Class 52 Rating, Deduct	*-3,161.06*	
		For Class 54 Rating, Add	*4,338.17*	
		For Class 55 Rating, Add	*6,463.59*	
		For Class 56 Rating, Add	*8,560.28*	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,713.62	1,523.91
		For Class 52 Rating, Deduct	*-3,234.51*	
		For Class 54 Rating, Add	*4,438.41*	
		For Class 55 Rating, Add	*6,612.66*	
		For Class 56 Rating, Add	*8,757.50*	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,388.08	1,528.36
		For Class 52 Rating, Deduct	*-3,307.96*	
		For Class 54 Rating, Add	*4,538.65*	
		For Class 55 Rating, Add	*6,761.72*	
		For Class 56 Rating, Add	*8,954.72*	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,062.56	1,532.82
		For Class 52 Rating, Deduct	*-3,381.41*	
		For Class 54 Rating, Add	*4,638.88*	
		For Class 55 Rating, Add	*6,910.78*	
		For Class 56 Rating, Add	*9,151.94*	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,737.02	1,537.28
		For Class 52 Rating, Deduct	*-3,454.86*	
		For Class 54 Rating, Add	*4,739.12*	
		For Class 55 Rating, Add	*7,059.84*	
		For Class 56 Rating, Add	*9,349.16*	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,411.48	1,541.73
		For Class 52 Rating, Deduct	*-3,528.31*	
		For Class 54 Rating, Add	*4,839.36*	
		For Class 55 Rating, Add	*7,208.91*	
		For Class 56 Rating, Add	*9,546.38*	

40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2471	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,447.67	1,835.82
		For Class 52 Rating, Deduct	*-1,283.27*	
		For Class 54 Rating, Add	*1,783.30*	
		For Class 55 Rating, Add	*2,668.30*	
		For Class 56 Rating, Add	*3,541.64*	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,411.89	1,840.27
		For Class 52 Rating, Deduct	*-1,388.60*	
		For Class 54 Rating, Add	*1,927.00*	
		For Class 55 Rating, Add	*2,881.98*	
		For Class 56 Rating, Add	*3,824.34*	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,376.13	1,844.73
		For Class 52 Rating, Deduct	*-1,493.92*	
		For Class 54 Rating, Add	*2,070.70*	
		For Class 55 Rating, Add	*3,095.66*	
		For Class 56 Rating, Add	*4,107.04*	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,340.35	1,849.19
		For Class 52 Rating, Deduct	*-1,599.24*	
		For Class 54 Rating, Add	*2,214.40*	
		For Class 55 Rating, Add	*3,309.34*	
		For Class 56 Rating, Add	*4,389.74*	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,304.58	1,853.64
		For Class 52 Rating, Deduct	*-1,704.56*	
		For Class 54 Rating, Add	*2,358.11*	
		For Class 55 Rating, Add	*3,523.02*	
		For Class 56 Rating, Add	*4,672.44*	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,268.81	1,858.10
		For Class 52 Rating, Deduct	*-1,809.89*	
		For Class 54 Rating, Add	*2,501.81*	
		For Class 55 Rating, Add	*3,736.70*	
		For Class 56 Rating, Add	*4,955.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,233.04	1,862.56
		For Class 52 Rating, Deduct	*-1,915.21*	
		For Class 54 Rating, Add	*2,645.51*	
		For Class 55 Rating, Add	*3,950.38*	
		For Class 56 Rating, Add	*5,237.84*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,197.28	1,867.01
		For Class 52 Rating, Deduct	*-2,020.53*	
		For Class 54 Rating, Add	*2,789.22*	
		For Class 55 Rating, Add	*4,164.06*	
		For Class 56 Rating, Add	*5,520.54*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,161.51	1,871.47
		For Class 52 Rating, Deduct	*-2,125.85*	
		For Class 54 Rating, Add	*2,932.92*	
		For Class 55 Rating, Add	*4,377.74*	
		For Class 56 Rating, Add	*5,803.24*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,125.72	1,875.93
		For Class 52 Rating, Deduct	*-2,231.18*	
		For Class 54 Rating, Add	*3,076.62*	
		For Class 55 Rating, Add	*4,591.42*	
		For Class 56 Rating, Add	*6,085.93*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,089.96	1,880.37
		For Class 52 Rating, Deduct	*-2,336.50*	
		For Class 54 Rating, Add	*3,220.32*	
		For Class 55 Rating, Add	*4,805.10*	
		For Class 56 Rating, Add	*6,368.63*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,054.19	1,884.83
		For Class 52 Rating, Deduct	*-2,441.82*	
		For Class 54 Rating, Add	*3,364.03*	
		For Class 55 Rating, Add	*5,018.78*	
		For Class 56 Rating, Add	*6,651.33*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,018.42	1,889.29
		For Class 52 Rating, Deduct	*-2,547.14*	
		For Class 54 Rating, Add	*3,507.73*	
		For Class 55 Rating, Add	*5,232.46*	
		For Class 56 Rating, Add	*6,934.03*	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,982.65	1,893.74
		For Class 52 Rating, Deduct	*-2,652.47*	
		For Class 54 Rating, Add	*3,651.43*	
		For Class 55 Rating, Add	*5,446.14*	
		For Class 56 Rating, Add	*7,216.73*	
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,946.88	1,898.20
		For Class 52 Rating, Deduct	*-2,757.79*	
		For Class 54 Rating, Add	*3,795.14*	
		For Class 55 Rating, Add	*5,659.82*	
		For Class 56 Rating, Add	*7,499.43*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,911.11	1,902.66
		For Class 52 Rating, Deduct	*-2,863.11*	
		For Class 54 Rating, Add	*3,938.84*	
		For Class 55 Rating, Add	*5,873.50*	
		For Class 56 Rating, Add	*7,782.13*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,875.33	1,907.11
		For Class 52 Rating, Deduct	*-2,968.43*	
		For Class 54 Rating, Add	*4,082.54*	
		For Class 55 Rating, Add	*6,087.18*	
		For Class 56 Rating, Add	*8,064.83*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,839.57	1,911.57
		For Class 52 Rating, Deduct	*-3,073.76*	
		For Class 54 Rating, Add	*4,226.24*	
		For Class 55 Rating, Add	*6,300.86*	
		For Class 56 Rating, Add	*8,347.53*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,803.80	1,916.03
		For Class 52 Rating, Deduct	*-3,179.08*	
		For Class 54 Rating, Add	*4,369.95*	
		For Class 55 Rating, Add	*6,514.54*	
		For Class 56 Rating, Add	*8,630.23*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,768.03	1,920.48
		For Class 52 Rating, Deduct	*-3,284.40*	
		For Class 54 Rating, Add	*4,513.65*	
		For Class 55 Rating, Add	*6,728.22*	
		For Class 56 Rating, Add	*8,912.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,732.26	1,924.94
		For Class 52 Rating, Deduct	*-3,389.73*	
		For Class 54 Rating, Add	*4,657.35*	
		For Class 55 Rating, Add	*6,941.90*	
		For Class 56 Rating, Add	*9,195.63*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,696.48	1,929.39
		For Class 52 Rating, Deduct	*-3,495.05*	
		For Class 54 Rating, Add	*4,801.05*	
		For Class 55 Rating, Add	*7,155.57*	
		For Class 56 Rating, Add	*9,478.32*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,660.72	1,933.85
		For Class 52 Rating, Deduct	*-3,600.37*	
		For Class 54 Rating, Add	*4,944.76*	
		For Class 55 Rating, Add	*7,369.25*	
		For Class 56 Rating, Add	*9,761.02*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,624.95	1,938.30
		For Class 52 Rating, Deduct	*-3,705.69*	
		For Class 54 Rating, Add	*5,088.46*	
		For Class 55 Rating, Add	*7,582.93*	
		For Class 56 Rating, Add	*10,043.72*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,589.17	1,942.76
		For Class 52 Rating, Deduct	*-3,811.02*	
		For Class 54 Rating, Add	*5,232.16*	
		For Class 55 Rating, Add	*7,796.61*	
		For Class 56 Rating, Add	*10,326.42*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,553.41	1,947.22
		For Class 52 Rating, Deduct	*-3,916.34*	
		For Class 54 Rating, Add	*5,375.87*	
		For Class 55 Rating, Add	*8,010.29*	
		For Class 56 Rating, Add	*10,609.12*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,517.64	1,951.67
		For Class 52 Rating, Deduct	*-4,021.66*	
		For Class 54 Rating, Add	*5,519.57*	
		For Class 55 Rating, Add	*8,223.97*	
		For Class 56 Rating, Add	*10,891.82*	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,481.87	1,956.13
		For Class 52 Rating, Deduct	*-4,126.98*	
		For Class 54 Rating, Add	*5,663.27*	
		For Class 55 Rating, Add	*8,437.65*	
		For Class 56 Rating, Add	*11,174.52*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,446.09	1,960.59
		For Class 52 Rating, Deduct	*-4,232.31*	
		For Class 54 Rating, Add	*5,806.97*	
		For Class 55 Rating, Add	*8,651.33*	
		For Class 56 Rating, Add	*11,457.22*	
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,410.32	1,965.04
		For Class 52 Rating, Deduct	*-4,337.63*	
		For Class 54 Rating, Add	*5,950.68*	
		For Class 55 Rating, Add	*8,865.01*	
		For Class 56 Rating, Add	*11,739.92*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,374.56	1,969.50
		For Class 52 Rating, Deduct	*-4,442.95*	
		For Class 54 Rating, Add	*6,094.38*	
		For Class 55 Rating, Add	*9,078.69*	
		For Class 56 Rating, Add	*12,022.62*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,338.78	1,973.95
		For Class 52 Rating, Deduct	*-4,548.27*	
		For Class 54 Rating, Add	*6,238.08*	
		For Class 55 Rating, Add	*9,292.37*	
		For Class 56 Rating, Add	*12,305.32*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,303.02	1,978.40
		For Class 52 Rating, Deduct	*-4,653.60*	
		For Class 54 Rating, Add	*6,381.79*	
		For Class 55 Rating, Add	*9,506.05*	
		For Class 56 Rating, Add	*12,588.02*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,267.25	1,982.86
		For Class 52 Rating, Deduct	*-4,758.92*	
		For Class 54 Rating, Add	*6,525.49*	
		For Class 55 Rating, Add	*9,719.73*	
		For Class 56 Rating, Add	*12,870.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,231.47	1,987.32
		For Class 52 Rating, Deduct	*-4,864.24*	
		For Class 54 Rating, Add	*6,669.19*	
		For Class 55 Rating, Add	*9,933.41*	
		For Class 56 Rating, Add	*13,153.41*	
40 05 19 00-2506		**36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)*		
40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,157.23	2,325.97
		For Class 52 Rating, Deduct	*-1,829.63*	
		For Class 54 Rating, Add	*2,537.25*	
		For Class 55 Rating, Add	*3,793.75*	
		For Class 56 Rating, Add	*5,033.62*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,449.01	2,330.42
		For Class 52 Rating, Deduct	*-1,970.99*	
		For Class 54 Rating, Add	*2,730.08*	
		For Class 55 Rating, Add	*4,080.47*	
		For Class 56 Rating, Add	*5,412.94*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,740.81	2,334.88
		For Class 52 Rating, Deduct	*-2,112.34*	
		For Class 54 Rating, Add	*2,922.92*	
		For Class 55 Rating, Add	*4,367.20*	
		For Class 56 Rating, Add	*5,792.27*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,032.59	2,339.34
		For Class 52 Rating, Deduct	*-2,253.70*	
		For Class 54 Rating, Add	*3,115.76*	
		For Class 55 Rating, Add	*4,653.92*	
		For Class 56 Rating, Add	*6,171.60*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,324.37	2,343.79
		For Class 52 Rating, Deduct	*-2,395.05*	
		For Class 54 Rating, Add	*3,308.59*	
		For Class 55 Rating, Add	*4,940.65*	
		For Class 56 Rating, Add	*6,550.93*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,616.17	2,348.24
		For Class 52 Rating, Deduct	*-2,536.40*	
		For Class 54 Rating, Add	*3,501.43*	
		For Class 55 Rating, Add	*5,227.37*	
		For Class 56 Rating, Add	*6,930.26*	
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,907.96	2,352.70
		For Class 52 Rating, Deduct	*-2,677.76*	
		For Class 54 Rating, Add	*3,694.27*	
		For Class 55 Rating, Add	*5,514.10*	
		For Class 56 Rating, Add	*7,309.59*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,199.75	2,357.15
		For Class 52 Rating, Deduct	*-2,819.11*	
		For Class 54 Rating, Add	*3,887.10*	
		For Class 55 Rating, Add	*5,800.83*	
		For Class 56 Rating, Add	*7,688.92*	
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,491.53	2,361.61
		For Class 52 Rating, Deduct	*-2,960.47*	
		For Class 54 Rating, Add	*4,079.94*	
		For Class 55 Rating, Add	*6,087.55*	
		For Class 56 Rating, Add	*8,068.25*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,783.32	2,366.07
		For Class 52 Rating, Deduct	*-3,101.82*	
		For Class 54 Rating, Add	*4,272.77*	
		For Class 55 Rating, Add	*6,374.28*	
		For Class 56 Rating, Add	*8,447.58*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,075.12	2,370.53
		For Class 52 Rating, Deduct	*-3,243.18*	
		For Class 54 Rating, Add	*4,465.61*	
		For Class 55 Rating, Add	*6,661.00*	
		For Class 56 Rating, Add	*8,826.91*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,366.89	2,374.98
		For Class 52 Rating, Deduct	*-3,384.53*	
		For Class 54 Rating, Add	*4,658.45*	
		For Class 55 Rating, Add	*6,947.72*	
		For Class 56 Rating, Add	*9,206.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,658.69	2,379.44
		For Class 52 Rating, Deduct	*-3,525.88*	
		For Class 54 Rating, Add	*4,851.28*	
		For Class 55 Rating, Add	*7,234.45*	
		For Class 56 Rating, Add	*9,585.56*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,950.48	2,383.90
		For Class 52 Rating, Deduct	*-3,667.24*	
		For Class 54 Rating, Add	*5,044.12*	
		For Class 55 Rating, Add	*7,521.18*	
		For Class 56 Rating, Add	*9,964.89*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,242.25	2,388.35
		For Class 52 Rating, Deduct	*-3,808.59*	
		For Class 54 Rating, Add	*5,236.96*	
		For Class 55 Rating, Add	*7,807.90*	
		For Class 56 Rating, Add	*10,344.22*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,534.05	2,392.80
		For Class 52 Rating, Deduct	*-3,949.94*	
		For Class 54 Rating, Add	*5,429.79*	
		For Class 55 Rating, Add	*8,094.63*	
		For Class 56 Rating, Add	*10,723.55*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,825.84	2,397.26
		For Class 52 Rating, Deduct	*-4,091.30*	
		For Class 54 Rating, Add	*5,622.63*	
		For Class 55 Rating, Add	*8,381.35*	
		For Class 56 Rating, Add	*11,102.88*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,117.63	2,401.71
		For Class 52 Rating, Deduct	*-4,232.65*	
		For Class 54 Rating, Add	*5,815.47*	
		For Class 55 Rating, Add	*8,668.08*	
		For Class 56 Rating, Add	*11,482.21*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,409.41	2,406.17
		For Class 52 Rating, Deduct	*-4,374.01*	
		For Class 54 Rating, Add	*6,008.30*	
		For Class 55 Rating, Add	*8,954.80*	
		For Class 56 Rating, Add	*11,861.54*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,701.20	2,410.63
		For Class 52 Rating, Deduct	*-4,515.36*	
		For Class 54 Rating, Add	*6,201.14*	
		For Class 55 Rating, Add	*9,241.53*	
		For Class 56 Rating, Add	*12,240.87*	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,992.99	2,415.08
		For Class 52 Rating, Deduct	*-4,656.71*	
		For Class 54 Rating, Add	*6,393.98*	
		For Class 55 Rating, Add	*9,528.25*	
		For Class 56 Rating, Add	*12,620.19*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,284.78	2,419.54
		For Class 52 Rating, Deduct	*-4,798.07*	
		For Class 54 Rating, Add	*6,586.81*	
		For Class 55 Rating, Add	*9,814.98*	
		For Class 56 Rating, Add	*12,999.52*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,576.57	2,424.00
		For Class 52 Rating, Deduct	*-4,939.42*	
		For Class 54 Rating, Add	*6,779.65*	
		For Class 55 Rating, Add	*10,101.70*	
		For Class 56 Rating, Add	*13,378.85*	
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,868.35	2,428.45
		For Class 52 Rating, Deduct	*-5,080.78*	
		For Class 54 Rating, Add	*6,972.49*	
		For Class 55 Rating, Add	*10,388.43*	
		For Class 56 Rating, Add	*13,758.18*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,160.14	2,432.91
		For Class 52 Rating, Deduct	*-5,222.13*	
		For Class 54 Rating, Add	*7,165.32*	
		For Class 55 Rating, Add	*10,675.15*	
		For Class 56 Rating, Add	*14,137.51*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,451.94	2,437.36
		For Class 52 Rating, Deduct	*-5,363.49*	
		For Class 54 Rating, Add	*7,358.16*	
		For Class 55 Rating, Add	*10,961.88*	
		For Class 56 Rating, Add	*14,516.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,743.71	2,441.81
		For Class 52 Rating, Deduct	*-5,504.84*	
		For Class 54 Rating, Add	*7,551.00*	
		For Class 55 Rating, Add	*11,248.60*	
		For Class 56 Rating, Add	*14,896.17*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,035.51	2,446.27
		For Class 52 Rating, Deduct	*-5,646.19*	
		For Class 54 Rating, Add	*7,743.83*	
		For Class 55 Rating, Add	*11,535.33*	
		For Class 56 Rating, Add	*15,275.50*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,327.30	2,450.73
		For Class 52 Rating, Deduct	*-5,787.55*	
		For Class 54 Rating, Add	*7,936.67*	
		For Class 55 Rating, Add	*11,822.06*	
		For Class 56 Rating, Add	*15,654.83*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,619.07	2,455.18
		For Class 52 Rating, Deduct	*-5,928.90*	
		For Class 54 Rating, Add	*8,129.50*	
		For Class 55 Rating, Add	*12,108.78*	
		For Class 56 Rating, Add	*16,034.15*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,910.87	2,459.64
		For Class 52 Rating, Deduct	*-6,070.26*	
		For Class 54 Rating, Add	*8,322.34*	
		For Class 55 Rating, Add	*12,395.50*	
		For Class 56 Rating, Add	*16,413.48*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,202.66	2,464.10
		For Class 52 Rating, Deduct	*-6,211.61*	
		For Class 54 Rating, Add	*8,515.18*	
		For Class 55 Rating, Add	*12,682.23*	
		For Class 56 Rating, Add	*16,792.81*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,494.46	2,468.56
		For Class 52 Rating, Deduct	*-6,352.96*	
		For Class 54 Rating, Add	*8,708.02*	
		For Class 55 Rating, Add	*12,968.96*	
		For Class 56 Rating, Add	*17,172.14*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,786.23	2,473.01
		For Class 52 Rating, Deduct	*-6,494.32*	
		For Class 54 Rating, Add	*8,900.85*	
		For Class 55 Rating, Add	*13,255.68*	
		For Class 56 Rating, Add	*17,551.47*	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,078.02	2,477.47
		For Class 52 Rating, Deduct	*-6,635.67*	
		For Class 54 Rating, Add	*9,093.69*	
		For Class 55 Rating, Add	*13,542.41*	
		For Class 56 Rating, Add	*17,930.80*	

40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,631.30	2,931.97
		For Class 52 Rating, Deduct	*-2,440.78*	
		For Class 54 Rating, Add	*3,381.65*	
		For Class 55 Rating, Add	*5,054.75*	
		For Class 56 Rating, Add	*6,705.66*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,527.82	2,936.42
		For Class 52 Rating, Deduct	*-2,648.66*	
		For Class 54 Rating, Add	*3,665.19*	
		For Class 55 Rating, Add	*5,476.33*	
		For Class 56 Rating, Add	*7,263.38*	
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,408.57	2,940.88
		For Class 52 Rating, Deduct	*-2,854.80*	
		For Class 54 Rating, Add	*3,946.38*	
		For Class 55 Rating, Add	*5,894.39*	
		For Class 56 Rating, Add	*7,816.46*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,308.23	2,945.34
		For Class 52 Rating, Deduct	*-3,063.02*	
		For Class 54 Rating, Add	*4,230.39*	
		For Class 55 Rating, Add	*6,316.67*	
		For Class 56 Rating, Add	*8,375.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,195.30	2,949.78
		For Class 52 Rating, Deduct	*-3,269.85*	
		For Class 54 Rating, Add	*4,512.52*	
		For Class 55 Rating, Add	*6,736.15*	
		For Class 56 Rating, Add	*8,930.04*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,101.25	2,954.24
		For Class 52 Rating, Deduct	*-3,478.76*	
		For Class 54 Rating, Add	*4,797.48*	
		For Class 55 Rating, Add	*7,159.83*	
		For Class 56 Rating, Add	*9,490.55*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,988.32	2,958.70
		For Class 52 Rating, Deduct	*-3,685.60*	
		For Class 54 Rating, Add	*5,079.61*	
		For Class 55 Rating, Add	*7,579.30*	
		For Class 56 Rating, Add	*10,045.49*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,897.43	2,963.15
		For Class 52 Rating, Deduct	*-3,894.86*	
		For Class 54 Rating, Add	*5,365.05*	
		For Class 55 Rating, Add	*8,003.69*	
		For Class 56 Rating, Add	*10,606.93*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,790.79	2,967.61
		For Class 52 Rating, Deduct	*-4,102.39*	
		For Class 54 Rating, Add	*5,648.12*	
		For Class 55 Rating, Add	*8,424.57*	
		For Class 56 Rating, Add	*11,163.72*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,699.90	2,972.07
		For Class 52 Rating, Deduct	*-4,311.64*	
		For Class 54 Rating, Add	*5,933.55*	
		For Class 55 Rating, Add	*8,848.95*	
		For Class 56 Rating, Add	*11,725.16*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,593.26	2,976.52
		For Class 52 Rating, Deduct	*-4,519.17*	
		For Class 54 Rating, Add	*6,216.63*	
		For Class 55 Rating, Add	*9,269.83*	
		For Class 56 Rating, Add	*12,281.95*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,505.53	2,980.98
		For Class 52 Rating, Deduct	*-4,728.78*	
		For Class 54 Rating, Add	*6,502.53*	
		For Class 55 Rating, Add	*9,694.92*	
		For Class 56 Rating, Add	*12,844.32*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,398.89	2,985.44
		For Class 52 Rating, Deduct	*-4,936.31*	
		For Class 54 Rating, Add	*6,785.61*	
		For Class 55 Rating, Add	*10,115.80*	
		For Class 56 Rating, Add	*13,401.11*	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,298.54	2,989.89
		For Class 52 Rating, Deduct	*-5,144.53*	
		For Class 54 Rating, Add	*7,069.62*	
		For Class 55 Rating, Add	*10,538.08*	
		For Class 56 Rating, Add	*13,959.77*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,207.66	2,994.34
		For Class 52 Rating, Deduct	*-5,353.78*	
		For Class 54 Rating, Add	*7,355.06*	
		For Class 55 Rating, Add	*10,962.47*	
		For Class 56 Rating, Add	*14,521.21*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,104.17	2,998.80
		For Class 52 Rating, Deduct	*-5,561.66*	
		For Class 54 Rating, Add	*7,638.60*	
		For Class 55 Rating, Add	*11,384.05*	
		For Class 56 Rating, Add	*15,078.93*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,022.74	3,003.26
		For Class 52 Rating, Deduct	*-5,771.96*	
		For Class 54 Rating, Add	*7,925.46*	
		For Class 55 Rating, Add	*11,810.54*	
		For Class 56 Rating, Add	*15,643.15*	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,922.39	3,007.71
		For Class 52 Rating, Deduct	*-5,980.18*	
		For Class 54 Rating, Add	*8,209.47*	
		For Class 55 Rating, Add	*12,232.82*	
		For Class 56 Rating, Add	*16,201.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,837.79	3,012.17
		For Class 52 Rating, Deduct	*-6,190.13*	
		For Class 54 Rating, Add	*8,495.85*	
		For Class 55 Rating, Add	*12,658.61*	
		For Class 56 Rating, Add	*16,765.10*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,734.31	3,016.63
		For Class 52 Rating, Deduct	*-6,398.00*	
		For Class 54 Rating, Add	*8,779.40*	
		For Class 55 Rating, Add	*13,080.19*	
		For Class 56 Rating, Add	*17,322.82*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,656.01	3,021.08
		For Class 52 Rating, Deduct	*-6,608.65*	
		For Class 54 Rating, Add	*9,066.72*	
		For Class 55 Rating, Add	*13,507.39*	
		For Class 56 Rating, Add	*17,887.98*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,555.68	3,025.54
		For Class 52 Rating, Deduct	*-6,816.87*	
		For Class 54 Rating, Add	*9,350.74*	
		For Class 55 Rating, Add	*13,929.67*	
		For Class 56 Rating, Add	*18,446.63*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,471.09	3,030.00
		For Class 52 Rating, Deduct	*-7,026.82*	
		For Class 54 Rating, Add	*9,637.12*	
		For Class 55 Rating, Add	*14,355.46*	
		For Class 56 Rating, Add	*19,009.93*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,370.75	3,034.45
		For Class 52 Rating, Deduct	*-7,235.04*	
		For Class 54 Rating, Add	*9,921.14*	
		For Class 55 Rating, Add	*14,777.74*	
		For Class 56 Rating, Add	*19,568.58*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,292.45	3,038.91
		For Class 52 Rating, Deduct	*-7,445.69*	
		For Class 54 Rating, Add	*10,208.46*	
		For Class 55 Rating, Add	*15,204.94*	
		For Class 56 Rating, Add	*20,133.73*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,192.11	3,043.36
		For Class 52 Rating, Deduct	*-7,653.91*	
		For Class 54 Rating, Add	*10,492.48*	
		For Class 55 Rating, Add	*15,627.22*	
		For Class 56 Rating, Add	*20,692.38*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,107.53	3,047.81
		For Class 52 Rating, Deduct	*-7,863.86*	
		For Class 54 Rating, Add	*10,778.86*	
		For Class 55 Rating, Add	*16,053.02*	
		For Class 56 Rating, Add	*21,255.68*	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,010.34	3,052.27
		For Class 52 Rating, Deduct	*-8,072.42*	
		For Class 54 Rating, Add	*11,063.35*	
		For Class 55 Rating, Add	*16,476.00*	
		For Class 56 Rating, Add	*21,815.26*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,550.94	3,056.73
		For Class 52 Rating, Deduct	*-8,241.15*	
		For Class 54 Rating, Add	*11,293.51*	
		For Class 55 Rating, Add	*16,818.21*	
		For Class 56 Rating, Add	*22,267.99*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,831.71	3,061.18
		For Class 52 Rating, Deduct	*-8,491.29*	
		For Class 54 Rating, Add	*11,634.69*	
		For Class 55 Rating, Add	*17,325.48*	
		For Class 56 Rating, Add	*22,939.07*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,731.37	3,065.64
		For Class 52 Rating, Deduct	*-8,699.51*	
		For Class 54 Rating, Add	*11,918.71*	
		For Class 55 Rating, Add	*17,747.76*	
		For Class 56 Rating, Add	*23,497.72*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,649.93	3,070.10
		For Class 52 Rating, Deduct	*-8,909.81*	
		For Class 54 Rating, Add	*12,205.56*	
		For Class 55 Rating, Add	*18,174.25*	
		For Class 56 Rating, Add	*24,061.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,552.73	3,074.55
		For Class 52 Rating, Deduct	*-9,118.38*	
		For Class 54 Rating, Add	*12,490.05*	
		For Class 55 Rating, Add	*18,597.24*	
		For Class 56 Rating, Add	*24,621.53*	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,474.44	3,079.01
		For Class 52 Rating, Deduct	*-9,329.02*	
		For Class 54 Rating, Add	*12,777.37*	
		For Class 55 Rating, Add	*19,024.43*	
		For Class 56 Rating, Add	*25,186.68*	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,370.96	3,083.47
		For Class 52 Rating, Deduct	*-9,536.89*	
		For Class 54 Rating, Add	*13,060.92*	
		For Class 55 Rating, Add	*19,446.01*	
		For Class 56 Rating, Add	*25,744.41*	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,403.77	3,685.01
		For Class 52 Rating, Deduct	*-3,060.25*	
		For Class 54 Rating, Add	*4,240.06*	
		For Class 55 Rating, Add	*6,337.95*	
		For Class 56 Rating, Add	*8,408.02*	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,112.86	3,689.47
		For Class 52 Rating, Deduct	*-3,357.50*	
		For Class 54 Rating, Add	*4,645.50*	
		For Class 55 Rating, Add	*6,940.74*	
		For Class 56 Rating, Add	*9,205.46*	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,828.28	3,693.91
		For Class 52 Rating, Deduct	*-3,655.46*	
		For Class 54 Rating, Add	*5,051.88*	
		For Class 55 Rating, Add	*7,544.93*	
		For Class 56 Rating, Add	*10,004.76*	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,575.18	3,698.37
		For Class 52 Rating, Deduct	*-3,956.87*	
		For Class 54 Rating, Add	*5,462.98*	
		For Class 55 Rating, Add	*8,156.15*	
		For Class 56 Rating, Add	*10,813.35*	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,312.62	3,702.83
		For Class 52 Rating, Deduct	*-4,257.25*	
		For Class 54 Rating, Add	*5,872.67*	
		For Class 55 Rating, Add	*8,765.26*	
		For Class 56 Rating, Add	*11,619.14*	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,056.39	3,707.28
		For Class 52 Rating, Deduct	*-4,558.32*	
		For Class 54 Rating, Add	*6,283.30*	
		For Class 55 Rating, Add	*9,375.77*	
		For Class 56 Rating, Add	*12,426.81*	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,819.04	3,711.74
		For Class 52 Rating, Deduct	*-4,861.47*	
		For Class 54 Rating, Add	*6,696.76*	
		For Class 55 Rating, Add	*9,990.50*	
		For Class 56 Rating, Add	*13,240.04*	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,575.40	3,716.20
		For Class 52 Rating, Deduct	*-5,163.93*	
		For Class 54 Rating, Add	*7,109.29*	
		For Class 55 Rating, Add	*10,603.82*	
		For Class 56 Rating, Add	*14,051.42*	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,328.59	3,720.66
		For Class 52 Rating, Deduct	*-5,466.04*	
		For Class 54 Rating, Add	*7,521.33*	
		For Class 55 Rating, Add	*11,216.44*	
		For Class 56 Rating, Add	*14,861.86*	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,110.14	3,725.11
		For Class 52 Rating, Deduct	*-5,771.26*	
		For Class 54 Rating, Add	*7,937.64*	
		For Class 55 Rating, Add	*11,835.39*	
		For Class 56 Rating, Add	*15,680.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,872.80	3,729.57
		For Class 52 Rating, Deduct	*-6,074.41*	
		For Class 54 Rating, Add	*8,351.10*	
		For Class 55 Rating, Add	*12,450.11*	
		For Class 56 Rating, Add	*16,493.90*	
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,657.49	3,734.03
		For Class 52 Rating, Deduct	*-6,379.99*	
		For Class 54 Rating, Add	*8,767.87*	
		For Class 55 Rating, Add	*13,069.76*	
		For Class 56 Rating, Add	*17,313.64*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,426.44	3,738.47
		For Class 52 Rating, Deduct	*-6,683.83*	
		For Class 54 Rating, Add	*9,182.28*	
		For Class 55 Rating, Add	*13,685.89*	
		For Class 56 Rating, Add	*18,128.73*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,198.54	3,742.93
		For Class 52 Rating, Deduct	*-6,988.02*	
		For Class 54 Rating, Add	*9,597.17*	
		For Class 55 Rating, Add	*14,302.72*	
		For Class 56 Rating, Add	*18,944.75*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,989.54	3,747.39
		For Class 52 Rating, Deduct	*-7,294.28*	
		For Class 54 Rating, Add	*10,014.89*	
		For Class 55 Rating, Add	*14,923.77*	
		For Class 56 Rating, Add	*19,766.35*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,767.95	3,751.84
		For Class 52 Rating, Deduct	*-7,599.17*	
		For Class 54 Rating, Add	*10,430.71*	
		For Class 55 Rating, Add	*15,542.01*	
		For Class 56 Rating, Add	*20,584.23*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,543.18	3,756.30
		For Class 52 Rating, Deduct	*-7,903.70*	
		For Class 54 Rating, Add	*10,846.07*	
		For Class 55 Rating, Add	*16,159.55*	
		For Class 56 Rating, Add	*21,401.18*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,340.49	3,760.76
		For Class 52 Rating, Deduct	*-8,210.66*	
		For Class 54 Rating, Add	*11,264.73*	
		For Class 55 Rating, Add	*16,782.00*	
		For Class 56 Rating, Add	*22,224.63*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	83,122.04	3,765.21
		For Class 52 Rating, Deduct	*-8,515.89*	
		For Class 54 Rating, Add	*11,681.03*	
		For Class 55 Rating, Add	*17,400.95*	
		For Class 56 Rating, Add	*23,043.44*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,900.43	3,769.67
		For Class 52 Rating, Deduct	*-8,820.77*	
		For Class 54 Rating, Add	*12,096.86*	
		For Class 55 Rating, Add	*18,019.19*	
		For Class 56 Rating, Add	*23,861.32*	
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,700.88	3,774.13
		For Class 52 Rating, Deduct	*-9,128.08*	
		For Class 54 Rating, Add	*12,516.00*	
		For Class 55 Rating, Add	*18,642.34*	
		For Class 56 Rating, Add	*24,685.70*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,488.73	3,778.58
		For Class 52 Rating, Deduct	*-9,434.00*	
		For Class 54 Rating, Add	*12,933.24*	
		For Class 55 Rating, Add	*19,262.69*	
		For Class 56 Rating, Add	*25,506.37*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,270.29	3,783.04
		For Class 52 Rating, Deduct	*-9,739.23*	
		For Class 54 Rating, Add	*13,349.54*	
		For Class 55 Rating, Add	*19,881.63*	
		For Class 56 Rating, Add	*26,325.18*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	97,073.87	3,787.49
		For Class 52 Rating, Deduct	*-10,046.88*	
		For Class 54 Rating, Add	*13,769.15*	
		For Class 55 Rating, Add	*20,505.49*	
		For Class 56 Rating, Add	*27,150.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,861.72	3,791.94
		For Class 52 Rating, Deduct	*-10,352.80*	
		For Class 54 Rating, Add	*14,186.40*	
		For Class 55 Rating, Add	*21,125.83*	
		For Class 56 Rating, Add	*27,971.16*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	102,646.42	3,796.40
		For Class 52 Rating, Deduct	*-10,658.37*	
		For Class 54 Rating, Add	*14,603.17*	
		For Class 55 Rating, Add	*21,745.48*	
		For Class 56 Rating, Add	*28,790.89*	
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	105,453.17	3,800.86
		For Class 52 Rating, Deduct	*-10,966.37*	
		For Class 54 Rating, Add	*15,023.25*	
		For Class 55 Rating, Add	*22,370.04*	
		For Class 56 Rating, Add	*29,617.14*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	108,244.17	3,805.32
		For Class 52 Rating, Deduct	*-11,272.64*	
		For Class 54 Rating, Add	*15,440.97*	
		For Class 55 Rating, Add	*22,991.09*	
		For Class 56 Rating, Add	*30,438.73*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,707.60	3,809.77
		For Class 52 Rating, Deduct	*-11,542.87*	
		For Class 54 Rating, Add	*15,809.55*	
		For Class 55 Rating, Add	*23,539.09*	
		For Class 56 Rating, Add	*31,163.70*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	113,841.91	3,814.23
		For Class 52 Rating, Deduct	*-11,886.91*	
		For Class 54 Rating, Add	*16,278.77*	
		For Class 55 Rating, Add	*24,236.70*	
		For Class 56 Rating, Add	*32,086.57*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	116,629.76	3,818.69
		For Class 52 Rating, Deduct	*-12,192.83*	
		For Class 54 Rating, Add	*16,696.01*	
		For Class 55 Rating, Add	*24,857.04*	
		For Class 56 Rating, Add	*32,907.23*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	119,442.80	3,823.14
		For Class 52 Rating, Deduct	*-12,501.52*	
		For Class 54 Rating, Add	*17,117.04*	
		For Class 55 Rating, Add	*25,483.01*	
		For Class 56 Rating, Add	*33,735.33*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	122,230.65	3,827.60
		For Class 52 Rating, Deduct	*-12,807.44*	
		For Class 54 Rating, Add	*17,534.28*	
		For Class 55 Rating, Add	*26,103.36*	
		For Class 56 Rating, Add	*34,556.00*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	125,018.50	3,832.05
		For Class 52 Rating, Deduct	*-13,113.36*	
		For Class 54 Rating, Add	*17,951.53*	
		For Class 55 Rating, Add	*26,723.70*	
		For Class 56 Rating, Add	*35,376.67*	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	127,834.68	3,836.50
		For Class 52 Rating, Deduct	*-13,422.40*	
		For Class 54 Rating, Add	*18,373.02*	
		For Class 55 Rating, Add	*27,350.37*	
		For Class 56 Rating, Add	*36,205.69*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	872.72	203.90
		For Class 52 Rating, Deduct	*-62.02*	
		For Class 54 Rating, Add	*88.27*	
		For Class 55 Rating, Add	*133.14*	
		For Class 56 Rating, Add	*177.44*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	997.80	207.47
		For Class 52 Rating, Deduct	*-75.18*	
		For Class 54 Rating, Add	*106.29*	
		For Class 55 Rating, Add	*159.96*	
		For Class 56 Rating, Add	*212.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,122.89	211.03
		For Class 52 Rating, Deduct	*-88.35*	
		For Class 54 Rating, Add	*124.31*	
		For Class 55 Rating, Add	*186.78*	
		For Class 56 Rating, Add	*248.44*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,247.97	214.59
		For Class 52 Rating, Deduct	*-101.51*	
		For Class 54 Rating, Add	*142.33*	
		For Class 55 Rating, Add	*213.59*	
		For Class 56 Rating, Add	*283.94*	
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,373.06	218.17
		For Class 52 Rating, Deduct	*-114.68*	
		For Class 54 Rating, Add	*160.34*	
		For Class 55 Rating, Add	*240.41*	
		For Class 56 Rating, Add	*319.44*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,498.15	221.73
		For Class 52 Rating, Deduct	*-127.84*	
		For Class 54 Rating, Add	*178.36*	
		For Class 55 Rating, Add	*267.23*	
		For Class 56 Rating, Add	*354.94*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,623.23	225.29
		For Class 52 Rating, Deduct	*-141.01*	
		For Class 54 Rating, Add	*196.38*	
		For Class 55 Rating, Add	*294.05*	
		For Class 56 Rating, Add	*390.45*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,748.32	228.86
		For Class 52 Rating, Deduct	*-154.17*	
		For Class 54 Rating, Add	*214.40*	
		For Class 55 Rating, Add	*320.87*	
		For Class 56 Rating, Add	*425.95*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,873.41	232.42
		For Class 52 Rating, Deduct	*-167.34*	
		For Class 54 Rating, Add	*232.41*	
		For Class 55 Rating, Add	*347.69*	
		For Class 56 Rating, Add	*461.45*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,998.49	235.98
		For Class 52 Rating, Deduct	*-180.50*	
		For Class 54 Rating, Add	*250.43*	
		For Class 55 Rating, Add	*374.51*	
		For Class 56 Rating, Add	*496.95*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,123.59	239.55
		For Class 52 Rating, Deduct	*-193.67*	
		For Class 54 Rating, Add	*268.45*	
		For Class 55 Rating, Add	*401.33*	
		For Class 56 Rating, Add	*532.45*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,248.66	243.11
		For Class 52 Rating, Deduct	*-206.83*	
		For Class 54 Rating, Add	*286.47*	
		For Class 55 Rating, Add	*428.15*	
		For Class 56 Rating, Add	*567.95*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,373.76	246.68
		For Class 52 Rating, Deduct	*-220.00*	
		For Class 54 Rating, Add	*304.49*	
		For Class 55 Rating, Add	*454.97*	
		For Class 56 Rating, Add	*603.46*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,498.83	250.25
		For Class 52 Rating, Deduct	*-233.16*	
		For Class 54 Rating, Add	*322.50*	
		For Class 55 Rating, Add	*481.79*	
		For Class 56 Rating, Add	*638.96*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,623.93	253.81
		For Class 52 Rating, Deduct	*-246.33*	
		For Class 54 Rating, Add	*340.52*	
		For Class 55 Rating, Add	*508.61*	
		For Class 56 Rating, Add	*674.46*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,749.00	257.37
		For Class 52 Rating, Deduct	*-259.50*	
		For Class 54 Rating, Add	*358.54*	
		For Class 55 Rating, Add	*535.43*	
		For Class 56 Rating, Add	*709.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,874.10	260.94
		For Class 52 Rating, Deduct	*-272.66*	
		For Class 54 Rating, Add	*376.56*	
		For Class 55 Rating, Add	*562.25*	
		For Class 56 Rating, Add	*745.46*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,999.18	264.50
		For Class 52 Rating, Deduct	*-285.83*	
		For Class 54 Rating, Add	*394.57*	
		For Class 55 Rating, Add	*589.07*	
		For Class 56 Rating, Add	*780.96*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,124.26	268.06
		For Class 52 Rating, Deduct	*-298.99*	
		For Class 54 Rating, Add	*412.59*	
		For Class 55 Rating, Add	*615.88*	
		For Class 56 Rating, Add	*816.46*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,249.35	271.63
		For Class 52 Rating, Deduct	*-312.16*	
		For Class 54 Rating, Add	*430.61*	
		For Class 55 Rating, Add	*642.70*	
		For Class 56 Rating, Add	*851.96*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,374.43	275.20
		For Class 52 Rating, Deduct	*-325.32*	
		For Class 54 Rating, Add	*448.62*	
		For Class 55 Rating, Add	*669.52*	
		For Class 56 Rating, Add	*887.46*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,499.52	278.77
		For Class 52 Rating, Deduct	*-338.49*	
		For Class 54 Rating, Add	*466.64*	
		For Class 55 Rating, Add	*696.34*	
		For Class 56 Rating, Add	*922.97*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,624.61	282.33
		For Class 52 Rating, Deduct	*-351.65*	
		For Class 54 Rating, Add	*484.66*	
		For Class 55 Rating, Add	*723.16*	
		For Class 56 Rating, Add	*958.47*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,749.69	285.89
		For Class 52 Rating, Deduct	*-364.82*	
		For Class 54 Rating, Add	*502.68*	
		For Class 55 Rating, Add	*749.98*	
		For Class 56 Rating, Add	*993.97*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,874.78	289.46
		For Class 52 Rating, Deduct	*-377.98*	
		For Class 54 Rating, Add	*520.69*	
		For Class 55 Rating, Add	*776.80*	
		For Class 56 Rating, Add	*1,029.47*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,999.86	293.02
		For Class 52 Rating, Deduct	*-391.15*	
		For Class 54 Rating, Add	*538.71*	
		For Class 55 Rating, Add	*803.62*	
		For Class 56 Rating, Add	*1,064.97*	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,124.95	296.58
		For Class 52 Rating, Deduct	*-404.31*	
		For Class 54 Rating, Add	*556.73*	
		For Class 55 Rating, Add	*830.44*	
		For Class 56 Rating, Add	*1,100.47*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,250.04	300.15
		For Class 52 Rating, Deduct	*-417.48*	
		For Class 54 Rating, Add	*574.75*	
		For Class 55 Rating, Add	*857.26*	
		For Class 56 Rating, Add	*1,135.98*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,375.12	303.72
		For Class 52 Rating, Deduct	*-430.64*	
		For Class 54 Rating, Add	*592.76*	
		For Class 55 Rating, Add	*884.08*	
		For Class 56 Rating, Add	*1,171.48*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,500.21	307.28
		For Class 52 Rating, Deduct	*-443.81*	
		For Class 54 Rating, Add	*610.78*	
		For Class 55 Rating, Add	*910.90*	
		For Class 56 Rating, Add	*1,206.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,625.29	310.85
		For Class 52 Rating, Deduct	*-456.98*	
		For Class 54 Rating, Add	*628.80*	
		For Class 55 Rating, Add	*937.72*	
		For Class 56 Rating, Add	*1,242.48*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,750.38	314.41
		For Class 52 Rating, Deduct	*-470.14*	
		For Class 54 Rating, Add	*646.82*	
		For Class 55 Rating, Add	*964.54*	
		For Class 56 Rating, Add	*1,277.98*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,875.46	317.97
		For Class 52 Rating, Deduct	*-483.31*	
		For Class 54 Rating, Add	*664.83*	
		For Class 55 Rating, Add	*991.36*	
		For Class 56 Rating, Add	*1,313.48*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,000.56	321.54
		For Class 52 Rating, Deduct	*-496.47*	
		For Class 54 Rating, Add	*682.85*	
		For Class 55 Rating, Add	*1,018.18*	
		For Class 56 Rating, Add	*1,348.99*	
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,125.64	325.10
		For Class 52 Rating, Deduct	*-509.64*	
		For Class 54 Rating, Add	*700.87*	
		For Class 55 Rating, Add	*1,044.99*	
		For Class 56 Rating, Add	*1,384.49*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,250.73	328.66
		For Class 52 Rating, Deduct	*-522.80*	
		For Class 54 Rating, Add	*718.89*	
		For Class 55 Rating, Add	*1,071.81*	
		For Class 56 Rating, Add	*1,419.99*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,375.81	332.24
		For Class 52 Rating, Deduct	*-535.97*	
		For Class 54 Rating, Add	*736.91*	
		For Class 55 Rating, Add	*1,098.63*	
		For Class 56 Rating, Add	*1,455.49*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,469.40	335.80
		For Class 52 Rating, Deduct	*-545.67*	
		For Class 54 Rating, Add	*750.20*	
		For Class 55 Rating, Add	*1,118.43*	
		For Class 56 Rating, Add	*1,481.70*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,625.98	339.36
		For Class 52 Rating, Deduct	*-562.30*	
		For Class 54 Rating, Add	*772.94*	
		For Class 55 Rating, Add	*1,152.27*	
		For Class 56 Rating, Add	*1,526.49*	

40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,129.03	256.66
		For Class 52 Rating, Deduct	*-81.42*	
		For Class 54 Rating, Add	*115.69*	
		For Class 55 Rating, Add	*174.39*	
		For Class 56 Rating, Add	*232.35*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,273.02	260.22
		For Class 52 Rating, Deduct	*-96.66*	
		For Class 54 Rating, Add	*136.54*	
		For Class 55 Rating, Add	*205.42*	
		For Class 56 Rating, Add	*273.42*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,416.99	263.79
		For Class 52 Rating, Deduct	*-111.91*	
		For Class 54 Rating, Add	*157.39*	
		For Class 55 Rating, Add	*236.45*	
		For Class 56 Rating, Add	*314.50*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,560.98	267.35
		For Class 52 Rating, Deduct	*-127.15*	
		For Class 54 Rating, Add	*178.25*	
		For Class 55 Rating, Add	*267.49*	
		For Class 56 Rating, Add	*355.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,704.98	270.91
		For Class 52 Rating, Deduct	*-142.39*	
		For Class 54 Rating, Add	*199.10*	
		For Class 55 Rating, Add	*298.52*	
		For Class 56 Rating, Add	*396.65*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,848.95	274.48
		For Class 52 Rating, Deduct	*-157.64*	
		For Class 54 Rating, Add	*219.95*	
		For Class 55 Rating, Add	*329.56*	
		For Class 56 Rating, Add	*437.73*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,992.94	278.05
		For Class 52 Rating, Deduct	*-172.88*	
		For Class 54 Rating, Add	*240.80*	
		For Class 55 Rating, Add	*360.59*	
		For Class 56 Rating, Add	*478.80*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,136.91	281.61
		For Class 52 Rating, Deduct	*-188.13*	
		For Class 54 Rating, Add	*261.65*	
		For Class 55 Rating, Add	*391.62*	
		For Class 56 Rating, Add	*519.88*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,280.91	285.18
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*282.51*	
		For Class 55 Rating, Add	*422.66*	
		For Class 56 Rating, Add	*560.96*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,424.88	288.74
		For Class 52 Rating, Deduct	*-218.61*	
		For Class 54 Rating, Add	*303.36*	
		For Class 55 Rating, Add	*453.69*	
		For Class 56 Rating, Add	*602.03*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,568.87	292.30
		For Class 52 Rating, Deduct	*-233.86*	
		For Class 54 Rating, Add	*324.21*	
		For Class 55 Rating, Add	*484.72*	
		For Class 56 Rating, Add	*643.11*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,712.85	295.87
		For Class 52 Rating, Deduct	*-249.10*	
		For Class 54 Rating, Add	*345.06*	
		For Class 55 Rating, Add	*515.76*	
		For Class 56 Rating, Add	*684.18*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,856.83	299.43
		For Class 52 Rating, Deduct	*-264.35*	
		For Class 54 Rating, Add	*365.92*	
		For Class 55 Rating, Add	*546.79*	
		For Class 56 Rating, Add	*725.26*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,000.82	302.99
		For Class 52 Rating, Deduct	*-279.59*	
		For Class 54 Rating, Add	*386.77*	
		For Class 55 Rating, Add	*577.82*	
		For Class 56 Rating, Add	*766.34*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,144.80	306.57
		For Class 52 Rating, Deduct	*-294.83*	
		For Class 54 Rating, Add	*407.62*	
		For Class 55 Rating, Add	*608.86*	
		For Class 56 Rating, Add	*807.41*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,288.78	310.13
		For Class 52 Rating, Deduct	*-310.08*	
		For Class 54 Rating, Add	*428.47*	
		For Class 55 Rating, Add	*639.89*	
		For Class 56 Rating, Add	*848.49*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,432.77	313.69
		For Class 52 Rating, Deduct	*-325.32*	
		For Class 54 Rating, Add	*449.32*	
		For Class 55 Rating, Add	*670.92*	
		For Class 56 Rating, Add	*889.56*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,576.75	317.26
		For Class 52 Rating, Deduct	*-340.57*	
		For Class 54 Rating, Add	*470.18*	
		For Class 55 Rating, Add	*701.96*	
		For Class 56 Rating, Add	*930.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,720.74	320.82
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*491.03*	
		For Class 55 Rating, Add	*732.99*	
		For Class 56 Rating, Add	*971.72*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,864.71	324.39
		For Class 52 Rating, Deduct	*-371.05*	
		For Class 54 Rating, Add	*511.88*	
		For Class 55 Rating, Add	*764.02*	
		For Class 56 Rating, Add	*1,012.79*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,008.70	327.95
		For Class 52 Rating, Deduct	*-386.30*	
		For Class 54 Rating, Add	*532.73*	
		For Class 55 Rating, Add	*795.06*	
		For Class 56 Rating, Add	*1,053.87*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,152.68	331.51
		For Class 52 Rating, Deduct	*-401.54*	
		For Class 54 Rating, Add	*553.59*	
		For Class 55 Rating, Add	*826.09*	
		For Class 56 Rating, Add	*1,094.95*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,296.67	335.09
		For Class 52 Rating, Deduct	*-416.79*	
		For Class 54 Rating, Add	*574.44*	
		For Class 55 Rating, Add	*857.13*	
		For Class 56 Rating, Add	*1,136.02*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,440.65	338.65
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*595.29*	
		For Class 55 Rating, Add	*888.16*	
		For Class 56 Rating, Add	*1,177.10*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,584.63	342.21
		For Class 52 Rating, Deduct	*-447.27*	
		For Class 54 Rating, Add	*616.14*	
		For Class 55 Rating, Add	*919.19*	
		For Class 56 Rating, Add	*1,218.17*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,728.62	345.78
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*636.99*	
		For Class 55 Rating, Add	*950.23*	
		For Class 56 Rating, Add	*1,259.25*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,872.60	349.34
		For Class 52 Rating, Deduct	*-477.76*	
		For Class 54 Rating, Add	*657.85*	
		For Class 55 Rating, Add	*981.26*	
		For Class 56 Rating, Add	*1,300.33*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,016.58	352.90
		For Class 52 Rating, Deduct	*-493.01*	
		For Class 54 Rating, Add	*678.70*	
		For Class 55 Rating, Add	*1,012.29*	
		For Class 56 Rating, Add	*1,341.40*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,160.57	356.47
		For Class 52 Rating, Deduct	*-508.25*	
		For Class 54 Rating, Add	*699.55*	
		For Class 55 Rating, Add	*1,043.33*	
		For Class 56 Rating, Add	*1,382.48*	
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,304.56	360.03
		For Class 52 Rating, Deduct	*-523.50*	
		For Class 54 Rating, Add	*720.40*	
		For Class 55 Rating, Add	*1,074.36*	
		For Class 56 Rating, Add	*1,423.56*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,448.54	363.60
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*741.26*	
		For Class 55 Rating, Add	*1,105.39*	
		For Class 56 Rating, Add	*1,464.63*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,592.52	367.17
		For Class 52 Rating, Deduct	*-553.98*	
		For Class 54 Rating, Add	*762.11*	
		For Class 55 Rating, Add	*1,136.43*	
		For Class 56 Rating, Add	*1,505.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,736.50	370.73
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*782.96*	
		For Class 55 Rating, Add	*1,167.46*	
		For Class 56 Rating, Add	*1,546.78*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,880.50	374.29
		For Class 52 Rating, Deduct	*-584.47*	
		For Class 54 Rating, Add	*803.81*	
		For Class 55 Rating, Add	*1,198.49*	
		For Class 56 Rating, Add	*1,587.86*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,024.47	377.86
		For Class 52 Rating, Deduct	*-599.72*	
		For Class 54 Rating, Add	*824.66*	
		For Class 55 Rating, Add	*1,229.53*	
		For Class 56 Rating, Add	*1,628.94*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,168.46	381.42
		For Class 52 Rating, Deduct	*-614.96*	
		For Class 54 Rating, Add	*845.52*	
		For Class 55 Rating, Add	*1,260.56*	
		For Class 56 Rating, Add	*1,670.01*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,312.43	384.98
		For Class 52 Rating, Deduct	*-630.20*	
		For Class 54 Rating, Add	*866.37*	
		For Class 55 Rating, Add	*1,291.59*	
		For Class 56 Rating, Add	*1,711.09*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,456.42	388.55
		For Class 52 Rating, Deduct	*-645.45*	
		For Class 54 Rating, Add	*887.22*	
		For Class 55 Rating, Add	*1,322.63*	
		For Class 56 Rating, Add	*1,752.17*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,600.40	392.12
		For Class 52 Rating, Deduct	*-660.69*	
		For Class 54 Rating, Add	*908.07*	
		For Class 55 Rating, Add	*1,353.66*	
		For Class 56 Rating, Add	*1,793.24*	

40 05 19 00-2695 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,548.87	327.95
		For Class 52 Rating, Deduct	*-115.72*	
		For Class 54 Rating, Add	*163.76*	
		For Class 55 Rating, Add	*246.51*	
		For Class 56 Rating, Add	*328.22*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,733.78	331.51
		For Class 52 Rating, Deduct	*-135.46*	
		For Class 54 Rating, Add	*190.75*	
		For Class 55 Rating, Add	*286.68*	
		For Class 56 Rating, Add	*381.37*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,918.72	335.09
		For Class 52 Rating, Deduct	*-155.21*	
		For Class 54 Rating, Add	*217.75*	
		For Class 55 Rating, Add	*326.84*	
		For Class 56 Rating, Add	*434.53*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,103.65	338.65
		For Class 52 Rating, Deduct	*-174.96*	
		For Class 54 Rating, Add	*244.74*	
		For Class 55 Rating, Add	*367.01*	
		For Class 56 Rating, Add	*487.68*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,288.58	342.21
		For Class 52 Rating, Deduct	*-194.71*	
		For Class 54 Rating, Add	*271.73*	
		For Class 55 Rating, Add	*407.17*	
		For Class 56 Rating, Add	*540.84*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,473.50	345.78
		For Class 52 Rating, Deduct	*-214.46*	
		For Class 54 Rating, Add	*298.73*	
		For Class 55 Rating, Add	*447.33*	
		For Class 56 Rating, Add	*593.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,658.43	349.34
		For Class 52 Rating, Deduct	*-234.20*	
		For Class 54 Rating, Add	*325.72*	
		For Class 55 Rating, Add	*487.50*	
		For Class 56 Rating, Add	*647.15*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,843.36	352.90
		For Class 52 Rating, Deduct	*-253.95*	
		For Class 54 Rating, Add	*352.72*	
		For Class 55 Rating, Add	*527.66*	
		For Class 56 Rating, Add	*700.30*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,028.29	356.47
		For Class 52 Rating, Deduct	*-273.70*	
		For Class 54 Rating, Add	*379.71*	
		For Class 55 Rating, Add	*567.83*	
		For Class 56 Rating, Add	*753.46*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,213.22	360.03
		For Class 52 Rating, Deduct	*-293.45*	
		For Class 54 Rating, Add	*406.70*	
		For Class 55 Rating, Add	*607.99*	
		For Class 56 Rating, Add	*806.61*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,398.15	363.60
		For Class 52 Rating, Deduct	*-313.20*	
		For Class 54 Rating, Add	*433.70*	
		For Class 55 Rating, Add	*648.16*	
		For Class 56 Rating, Add	*859.77*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,583.08	367.17
		For Class 52 Rating, Deduct	*-332.94*	
		For Class 54 Rating, Add	*460.69*	
		For Class 55 Rating, Add	*688.32*	
		For Class 56 Rating, Add	*912.92*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,768.00	370.73
		For Class 52 Rating, Deduct	*-352.69*	
		For Class 54 Rating, Add	*487.68*	
		For Class 55 Rating, Add	*728.48*	
		For Class 56 Rating, Add	*966.08*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,952.94	374.29
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*514.68*	
		For Class 55 Rating, Add	*768.65*	
		For Class 56 Rating, Add	*1,019.23*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,137.86	377.86
		For Class 52 Rating, Deduct	*-392.19*	
		For Class 54 Rating, Add	*541.67*	
		For Class 55 Rating, Add	*808.81*	
		For Class 56 Rating, Add	*1,072.39*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,322.79	381.42
		For Class 52 Rating, Deduct	*-411.94*	
		For Class 54 Rating, Add	*568.67*	
		For Class 55 Rating, Add	*848.98*	
		For Class 56 Rating, Add	*1,125.54*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,507.71	384.98
		For Class 52 Rating, Deduct	*-431.68*	
		For Class 54 Rating, Add	*595.66*	
		For Class 55 Rating, Add	*889.14*	
		For Class 56 Rating, Add	*1,178.70*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,692.65	388.55
		For Class 52 Rating, Deduct	*-451.43*	
		For Class 54 Rating, Add	*622.65*	
		For Class 55 Rating, Add	*929.31*	
		For Class 56 Rating, Add	*1,231.85*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,877.57	392.12
		For Class 52 Rating, Deduct	*-471.18*	
		For Class 54 Rating, Add	*649.65*	
		For Class 55 Rating, Add	*969.47*	
		For Class 56 Rating, Add	*1,285.01*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,062.50	395.68
		For Class 52 Rating, Deduct	*-490.93*	
		For Class 54 Rating, Add	*676.64*	
		For Class 55 Rating, Add	*1,009.63*	
		For Class 56 Rating, Add	*1,338.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,247.43	399.25
		For Class 52 Rating, Deduct	*-510.68*	
		For Class 54 Rating, Add	*703.64*	
		For Class 55 Rating, Add	*1,049.80*	
		For Class 56 Rating, Add	*1,391.32*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,432.36	402.81
		For Class 52 Rating, Deduct	*-530.42*	
		For Class 54 Rating, Add	*730.63*	
		For Class 55 Rating, Add	*1,089.96*	
		For Class 56 Rating, Add	*1,444.47*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,617.28	406.38
		For Class 52 Rating, Deduct	*-550.17*	
		For Class 54 Rating, Add	*757.62*	
		For Class 55 Rating, Add	*1,130.13*	
		For Class 56 Rating, Add	*1,497.63*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,802.21	409.94
		For Class 52 Rating, Deduct	*-569.92*	
		For Class 54 Rating, Add	*784.62*	
		For Class 55 Rating, Add	*1,170.29*	
		For Class 56 Rating, Add	*1,550.78*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,987.14	413.50
		For Class 52 Rating, Deduct	*-589.67*	
		For Class 54 Rating, Add	*811.61*	
		For Class 55 Rating, Add	*1,210.45*	
		For Class 56 Rating, Add	*1,603.94*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,172.08	417.07
		For Class 52 Rating, Deduct	*-609.42*	
		For Class 54 Rating, Add	*838.61*	
		For Class 55 Rating, Add	*1,250.62*	
		For Class 56 Rating, Add	*1,657.09*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,356.99	420.64
		For Class 52 Rating, Deduct	*-629.16*	
		For Class 54 Rating, Add	*865.60*	
		For Class 55 Rating, Add	*1,290.78*	
		For Class 56 Rating, Add	*1,710.25*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,541.93	424.20
		For Class 52 Rating, Deduct	*-648.91*	
		For Class 54 Rating, Add	*892.59*	
		For Class 55 Rating, Add	*1,330.95*	
		For Class 56 Rating, Add	*1,763.40*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,726.85	427.77
		For Class 52 Rating, Deduct	*-668.66*	
		For Class 54 Rating, Add	*919.59*	
		For Class 55 Rating, Add	*1,371.11*	
		For Class 56 Rating, Add	*1,816.56*	
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,911.79	431.33
		For Class 52 Rating, Deduct	*-688.41*	
		For Class 54 Rating, Add	*946.58*	
		For Class 55 Rating, Add	*1,411.28*	
		For Class 56 Rating, Add	*1,869.71*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,096.70	434.89
		For Class 52 Rating, Deduct	*-708.16*	
		For Class 54 Rating, Add	*973.57*	
		For Class 55 Rating, Add	*1,451.44*	
		For Class 56 Rating, Add	*1,922.87*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,281.64	438.46
		For Class 52 Rating, Deduct	*-727.90*	
		For Class 54 Rating, Add	*1,000.57*	
		For Class 55 Rating, Add	*1,491.60*	
		For Class 56 Rating, Add	*1,976.02*	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,466.57	442.02
		For Class 52 Rating, Deduct	*-747.65*	
		For Class 54 Rating, Add	*1,027.56*	
		For Class 55 Rating, Add	*1,531.77*	
		For Class 56 Rating, Add	*2,029.18*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,651.49	445.58
		For Class 52 Rating, Deduct	*-767.40*	
		For Class 54 Rating, Add	*1,054.56*	
		For Class 55 Rating, Add	*1,571.93*	
		For Class 56 Rating, Add	*2,082.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,836.43	449.16
		For Class 52 Rating, Deduct	*-787.15*	
		For Class 54 Rating, Add	*1,081.55*	
		For Class 55 Rating, Add	*1,612.10*	
		For Class 56 Rating, Add	*2,135.49*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,021.35	452.72
		For Class 52 Rating, Deduct	*-806.90*	
		For Class 54 Rating, Add	*1,108.54*	
		For Class 55 Rating, Add	*1,652.26*	
		For Class 56 Rating, Add	*2,188.64*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,206.29	456.28
		For Class 52 Rating, Deduct	*-826.64*	
		For Class 54 Rating, Add	*1,135.54*	
		For Class 55 Rating, Add	*1,692.43*	
		For Class 56 Rating, Add	*2,241.80*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,391.21	459.85
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,162.53*	
		For Class 55 Rating, Add	*1,732.59*	
		For Class 56 Rating, Add	*2,294.95*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,576.14	463.41
		For Class 52 Rating, Deduct	*-866.14*	
		For Class 54 Rating, Add	*1,189.53*	
		For Class 55 Rating, Add	*1,772.75*	
		For Class 56 Rating, Add	*2,348.11*	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,946.65	399.25
		For Class 52 Rating, Deduct	*-147.59*	
		For Class 54 Rating, Add	*208.52*	
		For Class 55 Rating, Add	*313.72*	
		For Class 56 Rating, Add	*417.59*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,185.12	402.81
		For Class 52 Rating, Deduct	*-173.23*	
		For Class 54 Rating, Add	*243.54*	
		For Class 55 Rating, Add	*365.83*	
		For Class 56 Rating, Add	*486.54*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,423.59	406.38
		For Class 52 Rating, Deduct	*-198.87*	
		For Class 54 Rating, Add	*278.57*	
		For Class 55 Rating, Add	*417.93*	
		For Class 56 Rating, Add	*555.49*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,662.06	409.94
		For Class 52 Rating, Deduct	*-224.50*	
		For Class 54 Rating, Add	*313.59*	
		For Class 55 Rating, Add	*470.04*	
		For Class 56 Rating, Add	*624.44*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,900.53	413.50
		For Class 52 Rating, Deduct	*-250.14*	
		For Class 54 Rating, Add	*348.62*	
		For Class 55 Rating, Add	*522.14*	
		For Class 56 Rating, Add	*693.39*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,139.01	417.07
		For Class 52 Rating, Deduct	*-275.78*	
		For Class 54 Rating, Add	*383.65*	
		For Class 55 Rating, Add	*574.25*	
		For Class 56 Rating, Add	*762.34*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,377.47	420.64
		For Class 52 Rating, Deduct	*-301.42*	
		For Class 54 Rating, Add	*418.67*	
		For Class 55 Rating, Add	*626.35*	
		For Class 56 Rating, Add	*831.29*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,615.95	424.20
		For Class 52 Rating, Deduct	*-327.05*	
		For Class 54 Rating, Add	*453.70*	
		For Class 55 Rating, Add	*678.45*	
		For Class 56 Rating, Add	*900.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,854.41	427.77
		For Class 52 Rating, Deduct	*-352.69*	
		For Class 54 Rating, Add	*488.72*	
		For Class 55 Rating, Add	*730.56*	
		For Class 56 Rating, Add	*969.19*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,092.89	431.33
		For Class 52 Rating, Deduct	*-378.33*	
		For Class 54 Rating, Add	*523.75*	
		For Class 55 Rating, Add	*782.66*	
		For Class 56 Rating, Add	*1,038.14*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,331.35	434.89
		For Class 52 Rating, Deduct	*-403.97*	
		For Class 54 Rating, Add	*558.77*	
		For Class 55 Rating, Add	*834.77*	
		For Class 56 Rating, Add	*1,107.09*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,569.83	438.46
		For Class 52 Rating, Deduct	*-429.61*	
		For Class 54 Rating, Add	*593.80*	
		For Class 55 Rating, Add	*886.87*	
		For Class 56 Rating, Add	*1,176.04*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,808.30	442.02
		For Class 52 Rating, Deduct	*-455.24*	
		For Class 54 Rating, Add	*628.82*	
		For Class 55 Rating, Add	*938.97*	
		For Class 56 Rating, Add	*1,244.99*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,046.77	445.58
		For Class 52 Rating, Deduct	*-480.88*	
		For Class 54 Rating, Add	*663.85*	
		For Class 55 Rating, Add	*991.08*	
		For Class 56 Rating, Add	*1,313.94*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,285.26	449.16
		For Class 52 Rating, Deduct	*-506.52*	
		For Class 54 Rating, Add	*698.87*	
		For Class 55 Rating, Add	*1,043.19*	
		For Class 56 Rating, Add	*1,382.89*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,523.72	452.72
		For Class 52 Rating, Deduct	*-532.16*	
		For Class 54 Rating, Add	*733.90*	
		For Class 55 Rating, Add	*1,095.29*	
		For Class 56 Rating, Add	*1,451.84*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,762.20	456.28
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*768.93*	
		For Class 55 Rating, Add	*1,147.39*	
		For Class 56 Rating, Add	*1,520.79*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,000.67	459.85
		For Class 52 Rating, Deduct	*-583.43*	
		For Class 54 Rating, Add	*803.95*	
		For Class 55 Rating, Add	*1,199.50*	
		For Class 56 Rating, Add	*1,589.74*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,239.14	463.41
		For Class 52 Rating, Deduct	*-609.07*	
		For Class 54 Rating, Add	*838.98*	
		For Class 55 Rating, Add	*1,251.60*	
		For Class 56 Rating, Add	*1,658.69*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,477.61	466.97
		For Class 52 Rating, Deduct	*-634.71*	
		For Class 54 Rating, Add	*874.00*	
		For Class 55 Rating, Add	*1,303.71*	
		For Class 56 Rating, Add	*1,727.64*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,716.08	470.54
		For Class 52 Rating, Deduct	*-660.35*	
		For Class 54 Rating, Add	*909.03*	
		For Class 55 Rating, Add	*1,355.81*	
		For Class 56 Rating, Add	*1,796.59*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,954.55	474.10
		For Class 52 Rating, Deduct	*-685.98*	
		For Class 54 Rating, Add	*944.05*	
		For Class 55 Rating, Add	*1,407.91*	
		For Class 56 Rating, Add	*1,865.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,193.02	477.67
		For Class 52 Rating, Deduct	*-711.62*	
		For Class 54 Rating, Add	*979.08*	
		For Class 55 Rating, Add	*1,460.02*	
		For Class 56 Rating, Add	*1,934.49*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,431.49	481.24
		For Class 52 Rating, Deduct	*-737.26*	
		For Class 54 Rating, Add	*1,014.10*	
		For Class 55 Rating, Add	*1,512.12*	
		For Class 56 Rating, Add	*2,003.44*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,669.97	484.80
		For Class 52 Rating, Deduct	*-762.90*	
		For Class 54 Rating, Add	*1,049.13*	
		For Class 55 Rating, Add	*1,564.23*	
		For Class 56 Rating, Add	*2,072.39*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,908.43	488.36
		For Class 52 Rating, Deduct	*-788.53*	
		For Class 54 Rating, Add	*1,084.15*	
		For Class 55 Rating, Add	*1,616.33*	
		For Class 56 Rating, Add	*2,141.34*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,146.91	491.93
		For Class 52 Rating, Deduct	*-814.17*	
		For Class 54 Rating, Add	*1,119.18*	
		For Class 55 Rating, Add	*1,668.44*	
		For Class 56 Rating, Add	*2,210.29*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,385.37	495.49
		For Class 52 Rating, Deduct	*-839.81*	
		For Class 54 Rating, Add	*1,154.20*	
		For Class 55 Rating, Add	*1,720.54*	
		For Class 56 Rating, Add	*2,279.24*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,623.85	499.06
		For Class 52 Rating, Deduct	*-865.45*	
		For Class 54 Rating, Add	*1,189.23*	
		For Class 55 Rating, Add	*1,772.64*	
		For Class 56 Rating, Add	*2,348.19*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,862.32	502.62
		For Class 52 Rating, Deduct	*-891.08*	
		For Class 54 Rating, Add	*1,224.25*	
		For Class 55 Rating, Add	*1,824.75*	
		For Class 56 Rating, Add	*2,417.14*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,100.79	506.18
		For Class 52 Rating, Deduct	*-916.72*	
		For Class 54 Rating, Add	*1,259.28*	
		For Class 55 Rating, Add	*1,876.85*	
		For Class 56 Rating, Add	*2,486.09*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,339.26	509.76
		For Class 52 Rating, Deduct	*-942.36*	
		For Class 54 Rating, Add	*1,294.30*	
		For Class 55 Rating, Add	*1,928.96*	
		For Class 56 Rating, Add	*2,555.04*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,577.73	513.32
		For Class 52 Rating, Deduct	*-968.00*	
		For Class 54 Rating, Add	*1,329.33*	
		For Class 55 Rating, Add	*1,981.06*	
		For Class 56 Rating, Add	*2,623.99*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,816.20	516.88
		For Class 52 Rating, Deduct	*-993.64*	
		For Class 54 Rating, Add	*1,364.36*	
		For Class 55 Rating, Add	*2,033.17*	
		For Class 56 Rating, Add	*2,692.94*	
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,054.68	520.45
		For Class 52 Rating, Deduct	*-1,019.27*	
		For Class 54 Rating, Add	*1,399.38*	
		For Class 55 Rating, Add	*2,085.27*	
		For Class 56 Rating, Add	*2,761.89*	
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,293.14	524.01
		For Class 52 Rating, Deduct	*-1,044.91*	
		For Class 54 Rating, Add	*1,434.41*	
		For Class 55 Rating, Add	*2,137.37*	
		For Class 56 Rating, Add	*2,830.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,531.62	527.57
		For Class 52 Rating, Deduct	*-1,070.55*	
		For Class 54 Rating, Add	*1,469.43*	
		For Class 55 Rating, Add	*2,189.48*	
		For Class 56 Rating, Add	*2,899.79*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,770.08	531.14
		For Class 52 Rating, Deduct	*-1,096.19*	
		For Class 54 Rating, Add	*1,504.46*	
		For Class 55 Rating, Add	*2,241.58*	
		For Class 56 Rating, Add	*2,968.74*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,008.56	534.70
		For Class 52 Rating, Deduct	*-1,121.82*	
		For Class 54 Rating, Add	*1,539.48*	
		For Class 55 Rating, Add	*2,293.69*	
		For Class 56 Rating, Add	*3,037.69*	

40 05 19 00-2775 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,519.93	499.06
		For Class 52 Rating, Deduct	*-194.02*	
		For Class 54 Rating, Add	*273.64*	
		For Class 55 Rating, Add	*411.47*	
		For Class 56 Rating, Add	*547.54*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,815.09	502.62
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*317.17*	
		For Class 55 Rating, Add	*476.22*	
		For Class 56 Rating, Add	*633.21*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,110.25	506.18
		For Class 52 Rating, Deduct	*-257.76*	
		For Class 54 Rating, Add	*360.70*	
		For Class 55 Rating, Add	*540.96*	
		For Class 56 Rating, Add	*718.88*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,405.42	509.76
		For Class 52 Rating, Deduct	*-289.64*	
		For Class 54 Rating, Add	*404.23*	
		For Class 55 Rating, Add	*605.71*	
		For Class 56 Rating, Add	*804.56*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,700.58	513.32
		For Class 52 Rating, Deduct	*-321.51*	
		For Class 54 Rating, Add	*447.76*	
		For Class 55 Rating, Add	*670.46*	
		For Class 56 Rating, Add	*890.23*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,995.74	516.88
		For Class 52 Rating, Deduct	*-353.38*	
		For Class 54 Rating, Add	*491.29*	
		For Class 55 Rating, Add	*735.20*	
		For Class 56 Rating, Add	*975.91*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,290.92	520.45
		For Class 52 Rating, Deduct	*-385.26*	
		For Class 54 Rating, Add	*534.82*	
		For Class 55 Rating, Add	*799.95*	
		For Class 56 Rating, Add	*1,061.58*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,586.07	524.01
		For Class 52 Rating, Deduct	*-417.13*	
		For Class 54 Rating, Add	*578.35*	
		For Class 55 Rating, Add	*864.70*	
		For Class 56 Rating, Add	*1,147.26*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,881.24	527.57
		For Class 52 Rating, Deduct	*-449.01*	
		For Class 54 Rating, Add	*621.87*	
		For Class 55 Rating, Add	*929.44*	
		For Class 56 Rating, Add	*1,232.93*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,176.39	531.14
		For Class 52 Rating, Deduct	*-480.88*	
		For Class 54 Rating, Add	*665.40*	
		For Class 55 Rating, Add	*994.19*	
		For Class 56 Rating, Add	*1,318.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,471.57	534.70
		For Class 52 Rating, Deduct	*-512.76*	
		For Class 54 Rating, Add	*708.93*	
		For Class 55 Rating, Add	*1,058.94*	
		For Class 56 Rating, Add	*1,404.28*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,766.73	538.27
		For Class 52 Rating, Deduct	*-544.63*	
		For Class 54 Rating, Add	*752.46*	
		For Class 55 Rating, Add	*1,123.68*	
		For Class 56 Rating, Add	*1,489.96*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,061.89	541.84
		For Class 52 Rating, Deduct	*-576.50*	
		For Class 54 Rating, Add	*795.99*	
		For Class 55 Rating, Add	*1,188.43*	
		For Class 56 Rating, Add	*1,575.63*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,357.07	545.40
		For Class 52 Rating, Deduct	*-608.38*	
		For Class 54 Rating, Add	*839.52*	
		For Class 55 Rating, Add	*1,253.18*	
		For Class 56 Rating, Add	*1,661.31*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,652.22	548.96
		For Class 52 Rating, Deduct	*-640.25*	
		For Class 54 Rating, Add	*883.05*	
		For Class 55 Rating, Add	*1,317.92*	
		For Class 56 Rating, Add	*1,746.98*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,947.39	552.53
		For Class 52 Rating, Deduct	*-672.12*	
		For Class 54 Rating, Add	*926.58*	
		For Class 55 Rating, Add	*1,382.67*	
		For Class 56 Rating, Add	*1,832.65*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,242.55	556.09
		For Class 52 Rating, Deduct	*-704.00*	
		For Class 54 Rating, Add	*970.11*	
		For Class 55 Rating, Add	*1,447.42*	
		For Class 56 Rating, Add	*1,918.33*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,537.72	559.65
		For Class 52 Rating, Deduct	*-735.87*	
		For Class 54 Rating, Add	*1,013.64*	
		For Class 55 Rating, Add	*1,512.17*	
		For Class 56 Rating, Add	*2,004.00*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,832.88	563.22
		For Class 52 Rating, Deduct	*-767.75*	
		For Class 54 Rating, Add	*1,057.17*	
		For Class 55 Rating, Add	*1,576.91*	
		For Class 56 Rating, Add	*2,089.68*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,128.05	566.79
		For Class 52 Rating, Deduct	*-799.62*	
		For Class 54 Rating, Add	*1,100.70*	
		For Class 55 Rating, Add	*1,641.66*	
		For Class 56 Rating, Add	*2,175.35*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,423.21	570.35
		For Class 52 Rating, Deduct	*-831.49*	
		For Class 54 Rating, Add	*1,144.23*	
		For Class 55 Rating, Add	*1,706.41*	
		For Class 56 Rating, Add	*2,261.03*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,718.37	573.92
		For Class 52 Rating, Deduct	*-863.37*	
		For Class 54 Rating, Add	*1,187.75*	
		For Class 55 Rating, Add	*1,771.15*	
		For Class 56 Rating, Add	*2,346.70*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,013.54	577.48
		For Class 52 Rating, Deduct	*-895.24*	
		For Class 54 Rating, Add	*1,231.29*	
		For Class 55 Rating, Add	*1,835.90*	
		For Class 56 Rating, Add	*2,432.38*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,308.70	581.05
		For Class 52 Rating, Deduct	*-927.12*	
		For Class 54 Rating, Add	*1,274.81*	
		For Class 55 Rating, Add	*1,900.65*	
		For Class 56 Rating, Add	*2,518.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,603.86	584.61
		For Class 52 Rating, Deduct	*-958.99*	
		For Class 54 Rating, Add	*1,318.34*	
		For Class 55 Rating, Add	*1,965.39*	
		For Class 56 Rating, Add	*2,603.72*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,899.04	588.17
		For Class 52 Rating, Deduct	*-990.86*	
		For Class 54 Rating, Add	*1,361.87*	
		For Class 55 Rating, Add	*2,030.14*	
		For Class 56 Rating, Add	*2,689.40*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,194.19	591.74
		For Class 52 Rating, Deduct	*-1,022.74*	
		For Class 54 Rating, Add	*1,405.40*	
		For Class 55 Rating, Add	*2,094.89*	
		For Class 56 Rating, Add	*2,775.07*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,489.36	595.31
		For Class 52 Rating, Deduct	*-1,054.61*	
		For Class 54 Rating, Add	*1,448.93*	
		For Class 55 Rating, Add	*2,159.63*	
		For Class 56 Rating, Add	*2,860.75*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,784.52	598.87
		For Class 52 Rating, Deduct	*-1,086.49*	
		For Class 54 Rating, Add	*1,492.46*	
		For Class 55 Rating, Add	*2,224.38*	
		For Class 56 Rating, Add	*2,946.42*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,079.69	602.44
		For Class 52 Rating, Deduct	*-1,118.36*	
		For Class 54 Rating, Add	*1,535.99*	
		For Class 55 Rating, Add	*2,289.13*	
		For Class 56 Rating, Add	*3,032.10*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,374.85	606.00
		For Class 52 Rating, Deduct	*-1,150.23*	
		For Class 54 Rating, Add	*1,579.52*	
		For Class 55 Rating, Add	*2,353.87*	
		For Class 56 Rating, Add	*3,117.77*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,670.02	609.56
		For Class 52 Rating, Deduct	*-1,182.11*	
		For Class 54 Rating, Add	*1,623.05*	
		For Class 55 Rating, Add	*2,418.62*	
		For Class 56 Rating, Add	*3,203.45*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,965.18	613.13
		For Class 52 Rating, Deduct	*-1,213.98*	
		For Class 54 Rating, Add	*1,666.58*	
		For Class 55 Rating, Add	*2,483.37*	
		For Class 56 Rating, Add	*3,289.12*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,260.34	616.69
		For Class 52 Rating, Deduct	*-1,245.86*	
		For Class 54 Rating, Add	*1,710.11*	
		For Class 55 Rating, Add	*2,548.11*	
		For Class 56 Rating, Add	*3,374.80*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,555.50	620.25
		For Class 52 Rating, Deduct	*-1,277.73*	
		For Class 54 Rating, Add	*1,753.64*	
		For Class 55 Rating, Add	*2,612.86*	
		For Class 56 Rating, Add	*3,460.47*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,850.68	623.83
		For Class 52 Rating, Deduct	*-1,309.60*	
		For Class 54 Rating, Add	*1,797.17*	
		For Class 55 Rating, Add	*2,677.61*	
		For Class 56 Rating, Add	*3,546.15*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,145.84	627.39
		For Class 52 Rating, Deduct	*-1,341.48*	
		For Class 54 Rating, Add	*1,840.69*	
		For Class 55 Rating, Add	*2,742.35*	
		For Class 56 Rating, Add	*3,631.82*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,441.00	630.95
		For Class 52 Rating, Deduct	*-1,373.35*	
		For Class 54 Rating, Add	*1,884.22*	
		For Class 55 Rating, Add	*2,807.10*	
		For Class 56 Rating, Add	*3,717.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,736.17	634.52
		For Class 52 Rating, Deduct	*-1,405.23*	
		For Class 54 Rating, Add	*1,927.75*	
		For Class 55 Rating, Add	*2,871.85*	
		For Class 56 Rating, Add	*3,803.17*	
40 05 19 00-2815		**14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2614)*		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,508.94	598.87
		For Class 52 Rating, Deduct	*-286.17*	
		For Class 54 Rating, Add	*401.12*	
		For Class 55 Rating, Add	*601.93*	
		For Class 56 Rating, Add	*800.13*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,867.10	602.44
		For Class 52 Rating, Deduct	*-324.98*	
		For Class 54 Rating, Add	*454.10*	
		For Class 55 Rating, Add	*680.72*	
		For Class 56 Rating, Add	*904.38*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,225.26	606.00
		For Class 52 Rating, Deduct	*-363.78*	
		For Class 54 Rating, Add	*507.08*	
		For Class 55 Rating, Add	*759.52*	
		For Class 56 Rating, Add	*1,008.64*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,583.42	609.56
		For Class 52 Rating, Deduct	*-402.58*	
		For Class 54 Rating, Add	*560.06*	
		For Class 55 Rating, Add	*838.31*	
		For Class 56 Rating, Add	*1,112.90*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,941.57	613.13
		For Class 52 Rating, Deduct	*-441.38*	
		For Class 54 Rating, Add	*613.04*	
		For Class 55 Rating, Add	*917.10*	
		For Class 56 Rating, Add	*1,217.16*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,299.73	616.69
		For Class 52 Rating, Deduct	*-480.19*	
		For Class 54 Rating, Add	*666.02*	
		For Class 55 Rating, Add	*995.90*	
		For Class 56 Rating, Add	*1,321.42*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,657.88	620.25
		For Class 52 Rating, Deduct	*-518.99*	
		For Class 54 Rating, Add	*718.99*	
		For Class 55 Rating, Add	*1,074.69*	
		For Class 56 Rating, Add	*1,425.67*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,016.05	623.83
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*771.97*	
		For Class 55 Rating, Add	*1,153.49*	
		For Class 56 Rating, Add	*1,529.93*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,374.20	627.39
		For Class 52 Rating, Deduct	*-596.60*	
		For Class 54 Rating, Add	*824.95*	
		For Class 55 Rating, Add	*1,232.28*	
		For Class 56 Rating, Add	*1,634.19*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,732.36	630.95
		For Class 52 Rating, Deduct	*-635.40*	
		For Class 54 Rating, Add	*877.93*	
		For Class 55 Rating, Add	*1,311.07*	
		For Class 56 Rating, Add	*1,738.44*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,090.51	634.52
		For Class 52 Rating, Deduct	*-674.20*	
		For Class 54 Rating, Add	*930.90*	
		For Class 55 Rating, Add	*1,389.87*	
		For Class 56 Rating, Add	*1,842.70*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,448.67	638.08
		For Class 52 Rating, Deduct	*-713.01*	
		For Class 54 Rating, Add	*983.88*	
		For Class 55 Rating, Add	*1,468.66*	
		For Class 56 Rating, Add	*1,946.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,806.82	641.64
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,036.86*	
		For Class 55 Rating, Add	*1,547.46*	
		For Class 56 Rating, Add	*2,051.21*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,164.98	645.21
		For Class 52 Rating, Deduct	*-790.61*	
		For Class 54 Rating, Add	*1,089.84*	
		For Class 55 Rating, Add	*1,626.25*	
		For Class 56 Rating, Add	*2,155.47*	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,523.14	648.77
		For Class 52 Rating, Deduct	*-829.42*	
		For Class 54 Rating, Add	*1,142.82*	
		For Class 55 Rating, Add	*1,705.04*	
		For Class 56 Rating, Add	*2,259.73*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,881.29	652.34
		For Class 52 Rating, Deduct	*-868.22*	
		For Class 54 Rating, Add	*1,195.80*	
		For Class 55 Rating, Add	*1,783.84*	
		For Class 56 Rating, Add	*2,363.99*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,239.45	655.91
		For Class 52 Rating, Deduct	*-907.02*	
		For Class 54 Rating, Add	*1,248.77*	
		For Class 55 Rating, Add	*1,862.63*	
		For Class 56 Rating, Add	*2,468.24*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,597.60	659.47
		For Class 52 Rating, Deduct	*-945.83*	
		For Class 54 Rating, Add	*1,301.75*	
		For Class 55 Rating, Add	*1,941.43*	
		For Class 56 Rating, Add	*2,572.50*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,955.76	663.03
		For Class 52 Rating, Deduct	*-984.63*	
		For Class 54 Rating, Add	*1,354.73*	
		For Class 55 Rating, Add	*2,020.22*	
		For Class 56 Rating, Add	*2,676.76*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,313.92	666.60
		For Class 52 Rating, Deduct	*-1,023.43*	
		For Class 54 Rating, Add	*1,407.71*	
		For Class 55 Rating, Add	*2,099.01*	
		For Class 56 Rating, Add	*2,781.02*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,672.07	670.16
		For Class 52 Rating, Deduct	*-1,062.23*	
		For Class 54 Rating, Add	*1,460.69*	
		For Class 55 Rating, Add	*2,177.81*	
		For Class 56 Rating, Add	*2,885.27*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,030.23	673.73
		For Class 52 Rating, Deduct	*-1,101.04*	
		For Class 54 Rating, Add	*1,513.66*	
		For Class 55 Rating, Add	*2,256.60*	
		For Class 56 Rating, Add	*2,989.53*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,388.38	677.29
		For Class 52 Rating, Deduct	*-1,139.84*	
		For Class 54 Rating, Add	*1,566.64*	
		For Class 55 Rating, Add	*2,335.39*	
		For Class 56 Rating, Add	*3,093.79*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,746.54	680.86
		For Class 52 Rating, Deduct	*-1,178.64*	
		For Class 54 Rating, Add	*1,619.62*	
		For Class 55 Rating, Add	*2,414.19*	
		For Class 56 Rating, Add	*3,198.04*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,104.69	684.43
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,672.60*	
		For Class 55 Rating, Add	*2,492.98*	
		For Class 56 Rating, Add	*3,302.30*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,462.85	687.99
		For Class 52 Rating, Deduct	*-1,256.25*	
		For Class 54 Rating, Add	*1,725.58*	
		For Class 55 Rating, Add	*2,571.78*	
		For Class 56 Rating, Add	*3,406.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,821.01	691.55
		For Class 52 Rating, Deduct	*-1,295.05*	
		For Class 54 Rating, Add	*1,778.55*	
		For Class 55 Rating, Add	*2,650.57*	
		For Class 56 Rating, Add	*3,510.82*	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,179.16	695.12
		For Class 52 Rating, Deduct	*-1,333.86*	
		For Class 54 Rating, Add	*1,831.53*	
		For Class 55 Rating, Add	*2,729.37*	
		For Class 56 Rating, Add	*3,615.07*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,537.33	698.68
		For Class 52 Rating, Deduct	*-1,372.66*	
		For Class 54 Rating, Add	*1,884.51*	
		For Class 55 Rating, Add	*2,808.16*	
		For Class 56 Rating, Add	*3,719.33*	
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,895.47	702.24
		For Class 52 Rating, Deduct	*-1,411.46*	
		For Class 54 Rating, Add	*1,937.49*	
		For Class 55 Rating, Add	*2,886.95*	
		For Class 56 Rating, Add	*3,823.59*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,253.64	705.81
		For Class 52 Rating, Deduct	*-1,450.27*	
		For Class 54 Rating, Add	*1,990.47*	
		For Class 55 Rating, Add	*2,965.75*	
		For Class 56 Rating, Add	*3,927.85*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,611.79	709.38
		For Class 52 Rating, Deduct	*-1,489.07*	
		For Class 54 Rating, Add	*2,043.44*	
		For Class 55 Rating, Add	*3,044.54*	
		For Class 56 Rating, Add	*4,032.10*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,969.95	712.94
		For Class 52 Rating, Deduct	*-1,527.87*	
		For Class 54 Rating, Add	*2,096.42*	
		For Class 55 Rating, Add	*3,123.34*	
		For Class 56 Rating, Add	*4,136.36*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,328.11	716.51
		For Class 52 Rating, Deduct	*-1,566.67*	
		For Class 54 Rating, Add	*2,149.40*	
		For Class 55 Rating, Add	*3,202.13*	
		For Class 56 Rating, Add	*4,240.62*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,686.26	720.07
		For Class 52 Rating, Deduct	*-1,605.48*	
		For Class 54 Rating, Add	*2,202.38*	
		For Class 55 Rating, Add	*3,280.92*	
		For Class 56 Rating, Add	*4,344.88*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,044.42	723.63
		For Class 52 Rating, Deduct	*-1,644.28*	
		For Class 54 Rating, Add	*2,255.36*	
		For Class 55 Rating, Add	*3,359.72*	
		For Class 56 Rating, Add	*4,449.13*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,402.58	727.20
		For Class 52 Rating, Deduct	*-1,683.08*	
		For Class 54 Rating, Add	*2,308.34*	
		For Class 55 Rating, Add	*3,438.51*	
		For Class 56 Rating, Add	*4,553.39*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,760.73	730.76
		For Class 52 Rating, Deduct	*-1,721.89*	
		For Class 54 Rating, Add	*2,361.31*	
		For Class 55 Rating, Add	*3,517.31*	
		For Class 56 Rating, Add	*4,657.65*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,107.86	684.43
		For Class 52 Rating, Deduct	*-337.79*	
		For Class 54 Rating, Add	*473.07*	
		For Class 55 Rating, Add	*709.69*	
		For Class 56 Rating, Add	*943.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,522.71	687.99
		For Class 52 Rating, Deduct	*-382.83*	
		For Class 54 Rating, Add	*534.56*	
		For Class 55 Rating, Add	*801.13*	
		For Class 56 Rating, Add	*1,064.22*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,937.57	691.55
		For Class 52 Rating, Deduct	*-427.87*	
		For Class 54 Rating, Add	*596.04*	
		For Class 55 Rating, Add	*892.56*	
		For Class 56 Rating, Add	*1,185.20*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,352.40	695.12
		For Class 52 Rating, Deduct	*-472.91*	
		For Class 54 Rating, Add	*657.52*	
		For Class 55 Rating, Add	*984.00*	
		For Class 56 Rating, Add	*1,306.18*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,767.26	698.68
		For Class 52 Rating, Deduct	*-517.95*	
		For Class 54 Rating, Add	*719.00*	
		For Class 55 Rating, Add	*1,075.44*	
		For Class 56 Rating, Add	*1,427.16*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,182.10	702.24
		For Class 52 Rating, Deduct	*-562.99*	
		For Class 54 Rating, Add	*780.48*	
		For Class 55 Rating, Add	*1,166.87*	
		For Class 56 Rating, Add	*1,548.14*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,596.96	705.81
		For Class 52 Rating, Deduct	*-608.03*	
		For Class 54 Rating, Add	*841.97*	
		For Class 55 Rating, Add	*1,258.31*	
		For Class 56 Rating, Add	*1,669.13*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,011.81	709.38
		For Class 52 Rating, Deduct	*-653.07*	
		For Class 54 Rating, Add	*903.45*	
		For Class 55 Rating, Add	*1,349.75*	
		For Class 56 Rating, Add	*1,790.11*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,426.65	712.94
		For Class 52 Rating, Deduct	*-698.11*	
		For Class 54 Rating, Add	*964.93*	
		For Class 55 Rating, Add	*1,441.18*	
		For Class 56 Rating, Add	*1,911.09*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,841.51	716.51
		For Class 52 Rating, Deduct	*-743.15*	
		For Class 54 Rating, Add	*1,026.41*	
		For Class 55 Rating, Add	*1,532.62*	
		For Class 56 Rating, Add	*2,032.07*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,256.35	720.07
		For Class 52 Rating, Deduct	*-788.19*	
		For Class 54 Rating, Add	*1,087.89*	
		For Class 55 Rating, Add	*1,624.06*	
		For Class 56 Rating, Add	*2,153.05*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,671.21	723.63
		For Class 52 Rating, Deduct	*-833.23*	
		For Class 54 Rating, Add	*1,149.38*	
		For Class 55 Rating, Add	*1,715.49*	
		For Class 56 Rating, Add	*2,274.03*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,086.06	727.20
		For Class 52 Rating, Deduct	*-878.27*	
		For Class 54 Rating, Add	*1,210.86*	
		For Class 55 Rating, Add	*1,806.93*	
		For Class 56 Rating, Add	*2,395.02*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,500.90	730.76
		For Class 52 Rating, Deduct	*-923.30*	
		For Class 54 Rating, Add	*1,272.34*	
		For Class 55 Rating, Add	*1,898.36*	
		For Class 56 Rating, Add	*2,516.00*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,915.75	734.32
		For Class 52 Rating, Deduct	*-968.34*	
		For Class 54 Rating, Add	*1,333.82*	
		For Class 55 Rating, Add	*1,989.80*	
		For Class 56 Rating, Add	*2,636.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,330.60	737.89
		For Class 52 Rating, Deduct	*-1,013.38*	
		For Class 54 Rating, Add	*1,395.30*	
		For Class 55 Rating, Add	*2,081.24*	
		For Class 56 Rating, Add	*2,757.96*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,745.45	741.46
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,456.79*	
		For Class 55 Rating, Add	*2,172.67*	
		For Class 56 Rating, Add	*2,878.94*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,160.30	745.02
		For Class 52 Rating, Deduct	*-1,103.46*	
		For Class 54 Rating, Add	*1,518.27*	
		For Class 55 Rating, Add	*2,264.11*	
		For Class 56 Rating, Add	*2,999.92*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,575.14	748.59
		For Class 52 Rating, Deduct	*-1,148.50*	
		For Class 54 Rating, Add	*1,579.75*	
		For Class 55 Rating, Add	*2,355.55*	
		For Class 56 Rating, Add	*3,120.90*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,990.00	752.15
		For Class 52 Rating, Deduct	*-1,193.54*	
		For Class 54 Rating, Add	*1,641.23*	
		For Class 55 Rating, Add	*2,446.98*	
		For Class 56 Rating, Add	*3,241.89*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,404.84	755.71
		For Class 52 Rating, Deduct	*-1,238.58*	
		For Class 54 Rating, Add	*1,702.71*	
		For Class 55 Rating, Add	*2,538.42*	
		For Class 56 Rating, Add	*3,362.87*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,819.70	759.28
		For Class 52 Rating, Deduct	*-1,283.62*	
		For Class 54 Rating, Add	*1,764.20*	
		For Class 55 Rating, Add	*2,629.86*	
		For Class 56 Rating, Add	*3,483.85*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,234.54	762.84
		For Class 52 Rating, Deduct	*-1,328.66*	
		For Class 54 Rating, Add	*1,825.68*	
		For Class 55 Rating, Add	*2,721.29*	
		For Class 56 Rating, Add	*3,604.83*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,649.39	766.41
		For Class 52 Rating, Deduct	*-1,373.70*	
		For Class 54 Rating, Add	*1,887.16*	
		For Class 55 Rating, Add	*2,812.73*	
		For Class 56 Rating, Add	*3,725.81*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,064.24	769.98
		For Class 52 Rating, Deduct	*-1,418.74*	
		For Class 54 Rating, Add	*1,948.64*	
		For Class 55 Rating, Add	*2,904.17*	
		For Class 56 Rating, Add	*3,846.79*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,479.09	773.54
		For Class 52 Rating, Deduct	*-1,463.78*	
		For Class 54 Rating, Add	*2,010.12*	
		For Class 55 Rating, Add	*2,995.60*	
		For Class 56 Rating, Add	*3,967.78*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,893.94	777.11
		For Class 52 Rating, Deduct	*-1,508.82*	
		For Class 54 Rating, Add	*2,071.61*	
		For Class 55 Rating, Add	*3,087.04*	
		For Class 56 Rating, Add	*4,088.76*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,308.79	780.67
		For Class 52 Rating, Deduct	*-1,553.86*	
		For Class 54 Rating, Add	*2,133.09*	
		For Class 55 Rating, Add	*3,178.48*	
		For Class 56 Rating, Add	*4,209.74*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,723.63	784.23
		For Class 52 Rating, Deduct	*-1,598.89*	
		For Class 54 Rating, Add	*2,194.57*	
		For Class 55 Rating, Add	*3,269.91*	
		For Class 56 Rating, Add	*4,330.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,138.48	787.80
		For Class 52 Rating, Deduct	*-1,643.93*	
		For Class 54 Rating, Add	*2,256.05*	
		For Class 55 Rating, Add	*3,361.35*	
		For Class 56 Rating, Add	*4,451.70*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,553.33	791.36
		For Class 52 Rating, Deduct	*-1,688.97*	
		For Class 54 Rating, Add	*2,317.53*	
		For Class 55 Rating, Add	*3,452.79*	
		For Class 56 Rating, Add	*4,572.68*	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,968.19	794.92
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,379.02*	
		For Class 55 Rating, Add	*3,544.22*	
		For Class 56 Rating, Add	*4,693.67*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,383.03	798.50
		For Class 52 Rating, Deduct	*-1,779.05*	
		For Class 54 Rating, Add	*2,440.50*	
		For Class 55 Rating, Add	*3,635.66*	
		For Class 56 Rating, Add	*4,814.65*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,797.88	802.06
		For Class 52 Rating, Deduct	*-1,824.09*	
		For Class 54 Rating, Add	*2,501.98*	
		For Class 55 Rating, Add	*3,727.09*	
		For Class 56 Rating, Add	*4,935.63*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,212.73	805.62
		For Class 52 Rating, Deduct	*-1,869.13*	
		For Class 54 Rating, Add	*2,563.46*	
		For Class 55 Rating, Add	*3,818.53*	
		For Class 56 Rating, Add	*5,056.61*	
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,627.58	809.19
		For Class 52 Rating, Deduct	*-1,914.17*	
		For Class 54 Rating, Add	*2,624.94*	
		For Class 55 Rating, Add	*3,909.97*	
		For Class 56 Rating, Add	*5,177.59*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,042.44	812.75
		For Class 52 Rating, Deduct	*-1,959.21*	
		For Class 54 Rating, Add	*2,686.43*	
		For Class 55 Rating, Add	*4,001.41*	
		For Class 56 Rating, Add	*5,298.57*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,457.28	816.31
		For Class 52 Rating, Deduct	*-2,004.25*	
		For Class 54 Rating, Add	*2,747.91*	
		For Class 55 Rating, Add	*4,092.84*	
		For Class 56 Rating, Add	*5,419.56*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,806.58	771.41
		For Class 52 Rating, Deduct	*-400.16*	
		For Class 54 Rating, Add	*559.69*	
		For Class 55 Rating, Add	*839.28*	
		For Class 56 Rating, Add	*1,115.22*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,284.42	774.97
		For Class 52 Rating, Deduct	*-452.13*	
		For Class 54 Rating, Add	*630.62*	
		For Class 55 Rating, Add	*944.76*	
		For Class 56 Rating, Add	*1,254.79*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,762.26	778.54
		For Class 52 Rating, Deduct	*-504.09*	
		For Class 54 Rating, Add	*701.56*	
		For Class 55 Rating, Add	*1,050.25*	
		For Class 56 Rating, Add	*1,394.35*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,240.10	782.10
		For Class 52 Rating, Deduct	*-556.06*	
		For Class 54 Rating, Add	*772.49*	
		For Class 55 Rating, Add	*1,155.73*	
		For Class 56 Rating, Add	*1,533.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,717.95	785.66
		For Class 52 Rating, Deduct	*-608.03*	
		For Class 54 Rating, Add	*843.42*	
		For Class 55 Rating, Add	*1,261.21*	
		For Class 56 Rating, Add	*1,673.48*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,195.78	789.23
		For Class 52 Rating, Deduct	*-660.00*	
		For Class 54 Rating, Add	*914.35*	
		For Class 55 Rating, Add	*1,366.70*	
		For Class 56 Rating, Add	*1,813.05*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,673.63	792.79
		For Class 52 Rating, Deduct	*-711.97*	
		For Class 54 Rating, Add	*985.28*	
		For Class 55 Rating, Add	*1,472.18*	
		For Class 56 Rating, Add	*1,952.61*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,151.46	796.36
		For Class 52 Rating, Deduct	*-763.94*	
		For Class 54 Rating, Add	*1,056.21*	
		For Class 55 Rating, Add	*1,577.66*	
		For Class 56 Rating, Add	*2,092.17*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,629.31	799.93
		For Class 52 Rating, Deduct	*-815.90*	
		For Class 54 Rating, Add	*1,127.14*	
		For Class 55 Rating, Add	*1,683.15*	
		For Class 56 Rating, Add	*2,231.74*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,107.14	803.49
		For Class 52 Rating, Deduct	*-867.87*	
		For Class 54 Rating, Add	*1,198.07*	
		For Class 55 Rating, Add	*1,788.63*	
		For Class 56 Rating, Add	*2,371.30*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,584.99	807.05
		For Class 52 Rating, Deduct	*-919.84*	
		For Class 54 Rating, Add	*1,269.00*	
		For Class 55 Rating, Add	*1,894.12*	
		For Class 56 Rating, Add	*2,510.87*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,062.83	810.62
		For Class 52 Rating, Deduct	*-971.81*	
		For Class 54 Rating, Add	*1,339.93*	
		For Class 55 Rating, Add	*1,999.60*	
		For Class 56 Rating, Add	*2,650.43*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,540.67	814.18
		For Class 52 Rating, Deduct	*-1,023.78*	
		For Class 54 Rating, Add	*1,410.86*	
		For Class 55 Rating, Add	*2,105.08*	
		For Class 56 Rating, Add	*2,790.00*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,018.51	817.74
		For Class 52 Rating, Deduct	*-1,075.75*	
		For Class 54 Rating, Add	*1,481.79*	
		For Class 55 Rating, Add	*2,210.57*	
		For Class 56 Rating, Add	*2,929.56*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,496.35	821.31
		For Class 52 Rating, Deduct	*-1,127.71*	
		For Class 54 Rating, Add	*1,552.73*	
		For Class 55 Rating, Add	*2,316.05*	
		For Class 56 Rating, Add	*3,069.12*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,974.20	824.88
		For Class 52 Rating, Deduct	*-1,179.68*	
		For Class 54 Rating, Add	*1,623.66*	
		For Class 55 Rating, Add	*2,421.53*	
		For Class 56 Rating, Add	*3,208.69*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,452.04	828.44
		For Class 52 Rating, Deduct	*-1,231.65*	
		For Class 54 Rating, Add	*1,694.59*	
		For Class 55 Rating, Add	*2,527.02*	
		For Class 56 Rating, Add	*3,348.25*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,929.88	832.01
		For Class 52 Rating, Deduct	*-1,283.62*	
		For Class 54 Rating, Add	*1,765.52*	
		For Class 55 Rating, Add	*2,632.50*	
		For Class 56 Rating, Add	*3,487.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,407.72	835.57
		For Class 52 Rating, Deduct	*-1,335.59*	
		For Class 54 Rating, Add	*1,836.45*	
		For Class 55 Rating, Add	*2,737.99*	
		For Class 56 Rating, Add	*3,627.38*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,885.56	839.13
		For Class 52 Rating, Deduct	*-1,387.56*	
		For Class 54 Rating, Add	*1,907.38*	
		For Class 55 Rating, Add	*2,843.47*	
		For Class 56 Rating, Add	*3,766.95*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,363.40	842.70
		For Class 52 Rating, Deduct	*-1,439.52*	
		For Class 54 Rating, Add	*1,978.31*	
		For Class 55 Rating, Add	*2,948.95*	
		For Class 56 Rating, Add	*3,906.51*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,841.24	846.26
		For Class 52 Rating, Deduct	*-1,491.49*	
		For Class 54 Rating, Add	*2,049.24*	
		For Class 55 Rating, Add	*3,054.44*	
		For Class 56 Rating, Add	*4,046.07*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,319.08	849.82
		For Class 52 Rating, Deduct	*-1,543.46*	
		For Class 54 Rating, Add	*2,120.17*	
		For Class 55 Rating, Add	*3,159.92*	
		For Class 56 Rating, Add	*4,185.64*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,796.93	853.40
		For Class 52 Rating, Deduct	*-1,595.43*	
		For Class 54 Rating, Add	*2,191.10*	
		For Class 55 Rating, Add	*3,265.40*	
		For Class 56 Rating, Add	*4,325.20*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,274.76	856.96
		For Class 52 Rating, Deduct	*-1,647.40*	
		For Class 54 Rating, Add	*2,262.03*	
		For Class 55 Rating, Add	*3,370.89*	
		For Class 56 Rating, Add	*4,464.77*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,752.61	860.53
		For Class 52 Rating, Deduct	*-1,699.37*	
		For Class 54 Rating, Add	*2,332.96*	
		For Class 55 Rating, Add	*3,476.37*	
		For Class 56 Rating, Add	*4,604.33*	
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,230.44	864.09
		For Class 52 Rating, Deduct	*-1,751.34*	
		For Class 54 Rating, Add	*2,403.90*	
		For Class 55 Rating, Add	*3,581.86*	
		For Class 56 Rating, Add	*4,743.89*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,708.29	867.65
		For Class 52 Rating, Deduct	*-1,803.30*	
		For Class 54 Rating, Add	*2,474.83*	
		For Class 55 Rating, Add	*3,687.34*	
		For Class 56 Rating, Add	*4,883.46*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,186.13	871.22
		For Class 52 Rating, Deduct	*-1,855.27*	
		For Class 54 Rating, Add	*2,545.76*	
		For Class 55 Rating, Add	*3,792.82*	
		For Class 56 Rating, Add	*5,023.02*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,663.97	874.78
		For Class 52 Rating, Deduct	*-1,907.24*	
		For Class 54 Rating, Add	*2,616.69*	
		For Class 55 Rating, Add	*3,898.31*	
		For Class 56 Rating, Add	*5,162.59*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,141.81	878.34
		For Class 52 Rating, Deduct	*-1,959.21*	
		For Class 54 Rating, Add	*2,687.62*	
		For Class 55 Rating, Add	*4,003.79*	
		For Class 56 Rating, Add	*5,302.15*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,619.65	881.92
		For Class 52 Rating, Deduct	*-2,011.18*	
		For Class 54 Rating, Add	*2,758.55*	
		For Class 55 Rating, Add	*4,109.27*	
		For Class 56 Rating, Add	*5,441.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,097.49	885.48
		For Class 52 Rating, Deduct	*-2,063.15*	
		For Class 54 Rating, Add	*2,829.48*	
		For Class 55 Rating, Add	*4,214.76*	
		For Class 56 Rating, Add	*5,581.28*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,575.33	889.04
		For Class 52 Rating, Deduct	*-2,115.11*	
		For Class 54 Rating, Add	*2,900.41*	
		For Class 55 Rating, Add	*4,320.24*	
		For Class 56 Rating, Add	*5,720.84*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,053.17	892.61
		For Class 52 Rating, Deduct	*-2,167.08*	
		For Class 54 Rating, Add	*2,971.34*	
		For Class 55 Rating, Add	*4,425.73*	
		For Class 56 Rating, Add	*5,860.41*	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,531.02	896.17
		For Class 52 Rating, Deduct	*-2,219.05*	
		For Class 54 Rating, Add	*3,042.27*	
		For Class 55 Rating, Add	*4,531.21*	
		For Class 56 Rating, Add	*5,999.97*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,008.85	899.73
		For Class 52 Rating, Deduct	*-2,271.02*	
		For Class 54 Rating, Add	*3,113.20*	
		For Class 55 Rating, Add	*4,636.69*	
		For Class 56 Rating, Add	*6,139.54*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,486.70	903.30
		For Class 52 Rating, Deduct	*-2,322.99*	
		For Class 54 Rating, Add	*3,184.13*	
		For Class 55 Rating, Add	*4,742.18*	
		For Class 56 Rating, Add	*6,279.10*	

40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,570.27	880.48
		For Class 52 Rating, Deduct	*-465.98*	
		For Class 54 Rating, Add	*651.44*	
		For Class 55 Rating, Add	*976.69*	
		For Class 56 Rating, Add	*1,297.71*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,114.25	884.05
		For Class 52 Rating, Deduct	*-525.23*	
		For Class 54 Rating, Add	*732.29*	
		For Class 55 Rating, Add	*1,096.93*	
		For Class 56 Rating, Add	*1,456.78*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,658.24	887.61
		For Class 52 Rating, Deduct	*-584.47*	
		For Class 54 Rating, Add	*813.15*	
		For Class 55 Rating, Add	*1,217.16*	
		For Class 56 Rating, Add	*1,615.86*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,202.22	891.18
		For Class 52 Rating, Deduct	*-643.72*	
		For Class 54 Rating, Add	*894.00*	
		For Class 55 Rating, Add	*1,337.39*	
		For Class 56 Rating, Add	*1,774.94*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,746.21	894.74
		For Class 52 Rating, Deduct	*-702.96*	
		For Class 54 Rating, Add	*974.85*	
		For Class 55 Rating, Add	*1,457.63*	
		For Class 56 Rating, Add	*1,934.01*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,290.19	898.30
		For Class 52 Rating, Deduct	*-762.20*	
		For Class 54 Rating, Add	*1,055.70*	
		For Class 55 Rating, Add	*1,577.86*	
		For Class 56 Rating, Add	*2,093.09*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,834.17	901.87
		For Class 52 Rating, Deduct	*-821.45*	
		For Class 54 Rating, Add	*1,136.55*	
		For Class 55 Rating, Add	*1,698.09*	
		For Class 56 Rating, Add	*2,252.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,378.15	905.43
		For Class 52 Rating, Deduct	*-880.69*	
		For Class 54 Rating, Add	*1,217.40*	
		For Class 55 Rating, Add	*1,818.33*	
		For Class 56 Rating, Add	*2,411.24*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,922.13	908.99
		For Class 52 Rating, Deduct	*-939.93*	
		For Class 54 Rating, Add	*1,298.26*	
		For Class 55 Rating, Add	*1,938.56*	
		For Class 56 Rating, Add	*2,570.32*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,466.12	912.57
		For Class 52 Rating, Deduct	*-999.18*	
		For Class 54 Rating, Add	*1,379.11*	
		For Class 55 Rating, Add	*2,058.79*	
		For Class 56 Rating, Add	*2,729.39*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,010.11	916.13
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,459.96*	
		For Class 55 Rating, Add	*2,179.03*	
		For Class 56 Rating, Add	*2,888.47*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,554.08	919.69
		For Class 52 Rating, Deduct	*-1,117.67*	
		For Class 54 Rating, Add	*1,540.81*	
		For Class 55 Rating, Add	*2,299.26*	
		For Class 56 Rating, Add	*3,047.54*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,098.07	923.26
		For Class 52 Rating, Deduct	*-1,176.91*	
		For Class 54 Rating, Add	*1,621.67*	
		For Class 55 Rating, Add	*2,419.49*	
		For Class 56 Rating, Add	*3,206.62*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,642.04	926.82
		For Class 52 Rating, Deduct	*-1,236.15*	
		For Class 54 Rating, Add	*1,702.52*	
		For Class 55 Rating, Add	*2,539.73*	
		For Class 56 Rating, Add	*3,365.70*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,186.03	930.38
		For Class 52 Rating, Deduct	*-1,295.40*	
		For Class 54 Rating, Add	*1,783.37*	
		For Class 55 Rating, Add	*2,659.96*	
		For Class 56 Rating, Add	*3,524.77*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,730.01	933.95
		For Class 52 Rating, Deduct	*-1,354.64*	
		For Class 54 Rating, Add	*1,864.22*	
		For Class 55 Rating, Add	*2,780.19*	
		For Class 56 Rating, Add	*3,683.85*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,274.00	937.51
		For Class 52 Rating, Deduct	*-1,413.89*	
		For Class 54 Rating, Add	*1,945.07*	
		For Class 55 Rating, Add	*2,900.43*	
		For Class 56 Rating, Add	*3,842.93*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,817.98	941.09
		For Class 52 Rating, Deduct	*-1,473.13*	
		For Class 54 Rating, Add	*2,025.93*	
		For Class 55 Rating, Add	*3,020.66*	
		For Class 56 Rating, Add	*4,002.00*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,361.96	944.65
		For Class 52 Rating, Deduct	*-1,532.37*	
		For Class 54 Rating, Add	*2,106.78*	
		For Class 55 Rating, Add	*3,140.89*	
		For Class 56 Rating, Add	*4,161.08*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,905.94	948.21
		For Class 52 Rating, Deduct	*-1,591.62*	
		For Class 54 Rating, Add	*2,187.63*	
		For Class 55 Rating, Add	*3,261.13*	
		For Class 56 Rating, Add	*4,320.15*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,449.92	951.78
		For Class 52 Rating, Deduct	*-1,650.86*	
		For Class 54 Rating, Add	*2,268.48*	
		For Class 55 Rating, Add	*3,381.36*	
		For Class 56 Rating, Add	*4,479.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,993.91	955.34
		For Class 52 Rating, Deduct	*-1,710.11*	
		For Class 54 Rating, Add	*2,349.33*	
		For Class 55 Rating, Add	*3,501.59*	
		For Class 56 Rating, Add	*4,638.31*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,537.90	958.90
		For Class 52 Rating, Deduct	*-1,769.35*	
		For Class 54 Rating, Add	*2,430.19*	
		For Class 55 Rating, Add	*3,621.83*	
		For Class 56 Rating, Add	*4,797.38*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,081.87	962.47
		For Class 52 Rating, Deduct	*-1,828.59*	
		For Class 54 Rating, Add	*2,511.04*	
		For Class 55 Rating, Add	*3,742.06*	
		For Class 56 Rating, Add	*4,956.46*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,625.86	966.03
		For Class 52 Rating, Deduct	*-1,887.84*	
		For Class 54 Rating, Add	*2,591.89*	
		For Class 55 Rating, Add	*3,862.29*	
		For Class 56 Rating, Add	*5,115.53*	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,169.83	969.60
		For Class 52 Rating, Deduct	*-1,947.08*	
		For Class 54 Rating, Add	*2,672.74*	
		For Class 55 Rating, Add	*3,982.53*	
		For Class 56 Rating, Add	*5,274.61*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,713.82	973.17
		For Class 52 Rating, Deduct	*-2,006.33*	
		For Class 54 Rating, Add	*2,753.59*	
		For Class 55 Rating, Add	*4,102.76*	
		For Class 56 Rating, Add	*5,433.68*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,257.81	976.73
		For Class 52 Rating, Deduct	*-2,065.57*	
		For Class 54 Rating, Add	*2,834.45*	
		For Class 55 Rating, Add	*4,222.99*	
		For Class 56 Rating, Add	*5,592.76*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,801.79	980.29
		For Class 52 Rating, Deduct	*-2,124.82*	
		For Class 54 Rating, Add	*2,915.30*	
		For Class 55 Rating, Add	*4,343.23*	
		For Class 56 Rating, Add	*5,751.84*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,345.78	983.86
		For Class 52 Rating, Deduct	*-2,184.06*	
		For Class 54 Rating, Add	*2,996.15*	
		For Class 55 Rating, Add	*4,463.46*	
		For Class 56 Rating, Add	*5,910.91*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,889.75	987.42
		For Class 52 Rating, Deduct	*-2,243.30*	
		For Class 54 Rating, Add	*3,077.00*	
		For Class 55 Rating, Add	*4,583.69*	
		For Class 56 Rating, Add	*6,069.99*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,433.74	990.98
		For Class 52 Rating, Deduct	*-2,302.55*	
		For Class 54 Rating, Add	*3,157.85*	
		For Class 55 Rating, Add	*4,703.93*	
		For Class 56 Rating, Add	*6,229.06*	
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,977.71	994.55
		For Class 52 Rating, Deduct	*-2,361.79*	
		For Class 54 Rating, Add	*3,238.71*	
		For Class 55 Rating, Add	*4,824.16*	
		For Class 56 Rating, Add	*6,388.14*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,521.70	998.11
		For Class 52 Rating, Deduct	*-2,421.03*	
		For Class 54 Rating, Add	*3,319.56*	
		For Class 55 Rating, Add	*4,944.39*	
		For Class 56 Rating, Add	*6,547.22*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,065.69	1,001.68
		For Class 52 Rating, Deduct	*-2,480.28*	
		For Class 54 Rating, Add	*3,400.41*	
		For Class 55 Rating, Add	*5,064.63*	
		For Class 56 Rating, Add	*6,706.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,609.67	1,005.25
		For Class 52 Rating, Deduct	*-2,539.52*	
		For Class 54 Rating, Add	*3,481.26*	
		For Class 55 Rating, Add	*5,184.86*	
		For Class 56 Rating, Add	*6,865.37*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,153.65	1,008.81
		For Class 52 Rating, Deduct	*-2,598.77*	
		For Class 54 Rating, Add	*3,562.11*	
		For Class 55 Rating, Add	*5,305.09*	
		For Class 56 Rating, Add	*7,024.45*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,697.63	1,012.37
		For Class 52 Rating, Deduct	*-2,658.01*	
		For Class 54 Rating, Add	*3,642.97*	
		For Class 55 Rating, Add	*5,425.33*	
		For Class 56 Rating, Add	*7,183.52*	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,925.13	1,040.89
		For Class 52 Rating, Deduct	*-588.28*	
		For Class 54 Rating, Add	*821.13*	
		For Class 55 Rating, Add	*1,230.46*	
		For Class 56 Rating, Add	*1,634.44*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,598.25	1,044.46
		For Class 52 Rating, Deduct	*-661.73*	
		For Class 54 Rating, Add	*921.35*	
		For Class 55 Rating, Add	*1,379.49*	
		For Class 56 Rating, Add	*1,831.61*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,271.36	1,048.02
		For Class 52 Rating, Deduct	*-735.18*	
		For Class 54 Rating, Add	*1,021.57*	
		For Class 55 Rating, Add	*1,528.52*	
		For Class 56 Rating, Add	*2,028.78*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,944.48	1,051.58
		For Class 52 Rating, Deduct	*-808.63*	
		For Class 54 Rating, Add	*1,121.80*	
		For Class 55 Rating, Add	*1,677.55*	
		For Class 56 Rating, Add	*2,225.95*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,617.59	1,055.15
		For Class 52 Rating, Deduct	*-882.08*	
		For Class 54 Rating, Add	*1,222.02*	
		For Class 55 Rating, Add	*1,826.58*	
		For Class 56 Rating, Add	*2,423.12*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,290.71	1,058.72
		For Class 52 Rating, Deduct	*-955.53*	
		For Class 54 Rating, Add	*1,322.24*	
		For Class 55 Rating, Add	*1,975.61*	
		For Class 56 Rating, Add	*2,620.29*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,963.83	1,062.28
		For Class 52 Rating, Deduct	*-1,028.97*	
		For Class 54 Rating, Add	*1,422.46*	
		For Class 55 Rating, Add	*2,124.64*	
		For Class 56 Rating, Add	*2,817.46*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,636.94	1,065.85
		For Class 52 Rating, Deduct	*-1,102.42*	
		For Class 54 Rating, Add	*1,522.68*	
		For Class 55 Rating, Add	*2,273.67*	
		For Class 56 Rating, Add	*3,014.64*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,310.06	1,069.41
		For Class 52 Rating, Deduct	*-1,175.87*	
		For Class 54 Rating, Add	*1,622.90*	
		For Class 55 Rating, Add	*2,422.70*	
		For Class 56 Rating, Add	*3,211.80*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,983.18	1,072.97
		For Class 52 Rating, Deduct	*-1,249.32*	
		For Class 54 Rating, Add	*1,723.13*	
		For Class 55 Rating, Add	*2,571.73*	
		For Class 56 Rating, Add	*3,408.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,656.29	1,076.54
		For Class 52 Rating, Deduct	*-1,322.77*	
		For Class 54 Rating, Add	*1,823.35*	
		For Class 55 Rating, Add	*2,720.76*	
		For Class 56 Rating, Add	*3,606.15*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,329.42	1,080.10
		For Class 52 Rating, Deduct	*-1,396.22*	
		For Class 54 Rating, Add	*1,923.57*	
		For Class 55 Rating, Add	*2,869.79*	
		For Class 56 Rating, Add	*3,803.32*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,002.52	1,083.66
		For Class 52 Rating, Deduct	*-1,469.67*	
		For Class 54 Rating, Add	*2,023.79*	
		For Class 55 Rating, Add	*3,018.82*	
		For Class 56 Rating, Add	*4,000.49*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,675.65	1,087.24
		For Class 52 Rating, Deduct	*-1,543.12*	
		For Class 54 Rating, Add	*2,124.02*	
		For Class 55 Rating, Add	*3,167.85*	
		For Class 56 Rating, Add	*4,197.66*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,348.75	1,090.80
		For Class 52 Rating, Deduct	*-1,616.56*	
		For Class 54 Rating, Add	*2,224.24*	
		For Class 55 Rating, Add	*3,316.88*	
		For Class 56 Rating, Add	*4,394.83*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,021.88	1,094.36
		For Class 52 Rating, Deduct	*-1,690.01*	
		For Class 54 Rating, Add	*2,324.46*	
		For Class 55 Rating, Add	*3,465.91*	
		For Class 56 Rating, Add	*4,592.00*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,694.98	1,097.93
		For Class 52 Rating, Deduct	*-1,763.46*	
		For Class 54 Rating, Add	*2,424.68*	
		For Class 55 Rating, Add	*3,614.94*	
		For Class 56 Rating, Add	*4,789.17*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,368.11	1,101.49
		For Class 52 Rating, Deduct	*-1,836.91*	
		For Class 54 Rating, Add	*2,524.90*	
		For Class 55 Rating, Add	*3,763.97*	
		For Class 56 Rating, Add	*4,986.34*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,041.22	1,105.05
		For Class 52 Rating, Deduct	*-1,910.36*	
		For Class 54 Rating, Add	*2,625.13*	
		For Class 55 Rating, Add	*3,913.00*	
		For Class 56 Rating, Add	*5,183.51*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,714.34	1,108.62
		For Class 52 Rating, Deduct	*-1,983.81*	
		For Class 54 Rating, Add	*2,725.35*	
		For Class 55 Rating, Add	*4,062.03*	
		For Class 56 Rating, Add	*5,380.68*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,387.45	1,112.18
		For Class 52 Rating, Deduct	*-2,057.26*	
		For Class 54 Rating, Add	*2,825.57*	
		For Class 55 Rating, Add	*4,211.06*	
		For Class 56 Rating, Add	*5,577.85*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,060.57	1,115.75
		For Class 52 Rating, Deduct	*-2,130.70*	
		For Class 54 Rating, Add	*2,925.79*	
		For Class 55 Rating, Add	*4,360.09*	
		For Class 56 Rating, Add	*5,775.02*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,733.69	1,119.32
		For Class 52 Rating, Deduct	*-2,204.15*	
		For Class 54 Rating, Add	*3,026.02*	
		For Class 55 Rating, Add	*4,509.12*	
		For Class 56 Rating, Add	*5,972.19*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,406.81	1,122.88
		For Class 52 Rating, Deduct	*-2,277.60*	
		For Class 54 Rating, Add	*3,126.24*	
		For Class 55 Rating, Add	*4,658.15*	
		For Class 56 Rating, Add	*6,169.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,079.92	1,126.45
		For Class 52 Rating, Deduct	*-2,351.05*	
		For Class 54 Rating, Add	*3,226.46*	
		For Class 55 Rating, Add	*4,807.18*	
		For Class 56 Rating, Add	*6,366.53*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,753.04	1,130.01
		For Class 52 Rating, Deduct	*-2,424.50*	
		For Class 54 Rating, Add	*3,326.68*	
		For Class 55 Rating, Add	*4,956.21*	
		For Class 56 Rating, Add	*6,563.70*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,426.15	1,133.57
		For Class 52 Rating, Deduct	*-2,497.95*	
		For Class 54 Rating, Add	*3,426.90*	
		For Class 55 Rating, Add	*5,105.24*	
		For Class 56 Rating, Add	*6,760.87*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,099.27	1,137.14
		For Class 52 Rating, Deduct	*-2,571.40*	
		For Class 54 Rating, Add	*3,527.12*	
		For Class 55 Rating, Add	*5,254.27*	
		For Class 56 Rating, Add	*6,958.04*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,772.38	1,140.70
		For Class 52 Rating, Deduct	*-2,644.85*	
		For Class 54 Rating, Add	*3,627.35*	
		For Class 55 Rating, Add	*5,403.30*	
		For Class 56 Rating, Add	*7,155.21*	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,537.32	1,204.87
		For Class 52 Rating, Deduct	*-2,718.29*	
		For Class 54 Rating, Add	*3,728.67*	
		For Class 55 Rating, Add	*5,554.54*	
		For Class 56 Rating, Add	*7,355.69*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,210.44	1,208.44
		For Class 52 Rating, Deduct	*-2,791.74*	
		For Class 54 Rating, Add	*3,828.89*	
		For Class 55 Rating, Add	*5,703.57*	
		For Class 56 Rating, Add	*7,552.86*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,883.55	1,212.00
		For Class 52 Rating, Deduct	*-2,865.19*	
		For Class 54 Rating, Add	*3,929.11*	
		For Class 55 Rating, Add	*5,852.60*	
		For Class 56 Rating, Add	*7,750.03*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,556.67	1,215.56
		For Class 52 Rating, Deduct	*-2,938.64*	
		For Class 54 Rating, Add	*4,029.34*	
		For Class 55 Rating, Add	*6,001.63*	
		For Class 56 Rating, Add	*7,947.20*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,229.78	1,219.13
		For Class 52 Rating, Deduct	*-3,012.09*	
		For Class 54 Rating, Add	*4,129.56*	
		For Class 55 Rating, Add	*6,150.66*	
		For Class 56 Rating, Add	*8,144.37*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,899.75	1,222.69
		For Class 52 Rating, Deduct	*-3,085.19*	
		For Class 54 Rating, Add	*4,229.31*	
		For Class 55 Rating, Add	*6,298.98*	
		For Class 56 Rating, Add	*8,340.61*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,576.02	1,226.25
		For Class 52 Rating, Deduct	*-3,158.99*	
		For Class 54 Rating, Add	*4,330.00*	
		For Class 55 Rating, Add	*6,448.72*	
		For Class 56 Rating, Add	*8,538.71*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,249.13	1,229.83
		For Class 52 Rating, Deduct	*-3,232.43*	
		For Class 54 Rating, Add	*4,430.23*	
		For Class 55 Rating, Add	*6,597.75*	
		For Class 56 Rating, Add	*8,735.88*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,922.25	1,233.39
		For Class 52 Rating, Deduct	*-3,305.88*	
		For Class 54 Rating, Add	*4,530.45*	
		For Class 55 Rating, Add	*6,746.78*	
		For Class 56 Rating, Add	*8,933.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,647.26	1,468.66
		For Class 52 Rating, Deduct	*-926.42*	
		For Class 54 Rating, Add	*1,290.01*	
		For Class 55 Rating, Add	*1,931.52*	
		For Class 56 Rating, Add	*2,564.61*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,610.15	1,472.22
		For Class 52 Rating, Deduct	*-1,031.75*	
		For Class 54 Rating, Add	*1,433.69*	
		For Class 55 Rating, Add	*2,145.17*	
		For Class 56 Rating, Add	*2,847.26*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,573.03	1,475.79
		For Class 52 Rating, Deduct	*-1,137.07*	
		For Class 54 Rating, Add	*1,577.38*	
		For Class 55 Rating, Add	*2,358.81*	
		For Class 56 Rating, Add	*3,129.91*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,535.91	1,479.35
		For Class 52 Rating, Deduct	*-1,242.39*	
		For Class 54 Rating, Add	*1,721.07*	
		For Class 55 Rating, Add	*2,572.46*	
		For Class 56 Rating, Add	*3,412.56*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,498.78	1,482.91
		For Class 52 Rating, Deduct	*-1,347.71*	
		For Class 54 Rating, Add	*1,864.75*	
		For Class 55 Rating, Add	*2,786.11*	
		For Class 56 Rating, Add	*3,695.21*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,461.66	1,486.48
		For Class 52 Rating, Deduct	*-1,453.04*	
		For Class 54 Rating, Add	*2,008.44*	
		For Class 55 Rating, Add	*2,999.75*	
		For Class 56 Rating, Add	*3,977.86*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,424.54	1,490.05
		For Class 52 Rating, Deduct	*-1,558.36*	
		For Class 54 Rating, Add	*2,152.13*	
		For Class 55 Rating, Add	*3,213.40*	
		For Class 56 Rating, Add	*4,260.51*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,387.42	1,493.61
		For Class 52 Rating, Deduct	*-1,663.68*	
		For Class 54 Rating, Add	*2,295.81*	
		For Class 55 Rating, Add	*3,427.05*	
		For Class 56 Rating, Add	*4,543.16*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,350.30	1,497.18
		For Class 52 Rating, Deduct	*-1,769.00*	
		For Class 54 Rating, Add	*2,439.50*	
		For Class 55 Rating, Add	*3,640.70*	
		For Class 56 Rating, Add	*4,825.81*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,313.19	1,500.74
		For Class 52 Rating, Deduct	*-1,874.33*	
		For Class 54 Rating, Add	*2,583.19*	
		For Class 55 Rating, Add	*3,854.35*	
		For Class 56 Rating, Add	*5,108.46*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,276.05	1,504.30
		For Class 52 Rating, Deduct	*-1,979.65*	
		For Class 54 Rating, Add	*2,726.87*	
		For Class 55 Rating, Add	*4,067.99*	
		For Class 56 Rating, Add	*5,391.11*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,238.94	1,507.87
		For Class 52 Rating, Deduct	*-2,084.97*	
		For Class 54 Rating, Add	*2,870.56*	
		For Class 55 Rating, Add	*4,281.64*	
		For Class 56 Rating, Add	*5,673.76*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,201.81	1,511.43
		For Class 52 Rating, Deduct	*-2,190.29*	
		For Class 54 Rating, Add	*3,014.25*	
		For Class 55 Rating, Add	*4,495.29*	
		For Class 56 Rating, Add	*5,956.41*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,164.70	1,514.99
		For Class 52 Rating, Deduct	*-2,295.62*	
		For Class 54 Rating, Add	*3,157.93*	
		For Class 55 Rating, Add	*4,708.93*	
		For Class 56 Rating, Add	*6,239.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,127.59	1,518.56
		For Class 52 Rating, Deduct	*-2,400.94*	
		For Class 54 Rating, Add	*3,301.62*	
		For Class 55 Rating, Add	*4,922.58*	
		For Class 56 Rating, Add	*6,521.72*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,090.46	1,522.13
		For Class 52 Rating, Deduct	*-2,506.26*	
		For Class 54 Rating, Add	*3,445.31*	
		For Class 55 Rating, Add	*5,136.23*	
		For Class 56 Rating, Add	*6,804.37*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,053.34	1,525.69
		For Class 52 Rating, Deduct	*-2,611.58*	
		For Class 54 Rating, Add	*3,588.99*	
		For Class 55 Rating, Add	*5,349.87*	
		For Class 56 Rating, Add	*7,087.02*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,016.21	1,529.26
		For Class 52 Rating, Deduct	*-2,716.91*	
		For Class 54 Rating, Add	*3,732.68*	
		For Class 55 Rating, Add	*5,563.52*	
		For Class 56 Rating, Add	*7,369.67*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,979.10	1,532.82
		For Class 52 Rating, Deduct	*-2,822.23*	
		For Class 54 Rating, Add	*3,876.37*	
		For Class 55 Rating, Add	*5,777.17*	
		For Class 56 Rating, Add	*7,652.32*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,941.97	1,536.38
		For Class 52 Rating, Deduct	*-2,927.55*	
		For Class 54 Rating, Add	*4,020.05*	
		For Class 55 Rating, Add	*5,990.82*	
		For Class 56 Rating, Add	*7,934.97*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,904.86	1,539.95
		For Class 52 Rating, Deduct	*-3,032.88*	
		For Class 54 Rating, Add	*4,163.74*	
		For Class 55 Rating, Add	*6,204.47*	
		For Class 56 Rating, Add	*8,217.62*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,867.74	1,543.51
		For Class 52 Rating, Deduct	*-3,138.20*	
		For Class 54 Rating, Add	*4,307.43*	
		For Class 55 Rating, Add	*6,418.11*	
		For Class 56 Rating, Add	*8,500.27*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,830.62	1,547.07
		For Class 52 Rating, Deduct	*-3,243.52*	
		For Class 54 Rating, Add	*4,451.11*	
		For Class 55 Rating, Add	*6,631.76*	
		For Class 56 Rating, Add	*8,782.92*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,793.49	1,550.65
		For Class 52 Rating, Deduct	*-3,348.84*	
		For Class 54 Rating, Add	*4,594.80*	
		For Class 55 Rating, Add	*6,845.41*	
		For Class 56 Rating, Add	*9,065.57*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,756.37	1,554.21
		For Class 52 Rating, Deduct	*-3,454.17*	
		For Class 54 Rating, Add	*4,738.48*	
		For Class 55 Rating, Add	*7,059.05*	
		For Class 56 Rating, Add	*9,348.22*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,719.25	1,557.77
		For Class 52 Rating, Deduct	*-3,559.49*	
		For Class 54 Rating, Add	*4,882.17*	
		For Class 55 Rating, Add	*7,272.70*	
		For Class 56 Rating, Add	*9,630.87*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,682.14	1,561.34
		For Class 52 Rating, Deduct	*-3,664.81*	
		For Class 54 Rating, Add	*5,025.86*	
		For Class 55 Rating, Add	*7,486.35*	
		For Class 56 Rating, Add	*9,913.52*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,645.01	1,564.90
		For Class 52 Rating, Deduct	*-3,770.13*	
		For Class 54 Rating, Add	*5,169.55*	
		For Class 55 Rating, Add	*7,700.00*	
		For Class 56 Rating, Add	*10,196.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,607.90	1,568.47
		For Class 52 Rating, Deduct	*-3,875.46*	
		For Class 54 Rating, Add	*5,313.23*	
		For Class 55 Rating, Add	*7,913.64*	
		For Class 56 Rating, Add	*10,478.82*	
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,570.76	1,572.03
		For Class 52 Rating, Deduct	*-3,980.78*	
		For Class 54 Rating, Add	*5,456.92*	
		For Class 55 Rating, Add	*8,127.29*	
		For Class 56 Rating, Add	*10,761.47*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,533.65	1,575.59
		For Class 52 Rating, Deduct	*-4,086.10*	
		For Class 54 Rating, Add	*5,600.60*	
		For Class 55 Rating, Add	*8,340.94*	
		For Class 56 Rating, Add	*11,044.12*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,496.53	1,579.17
		For Class 52 Rating, Deduct	*-4,191.42*	
		For Class 54 Rating, Add	*5,744.29*	
		For Class 55 Rating, Add	*8,554.58*	
		For Class 56 Rating, Add	*11,326.77*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,459.41	1,582.73
		For Class 52 Rating, Deduct	*-4,296.75*	
		For Class 54 Rating, Add	*5,887.98*	
		For Class 55 Rating, Add	*8,768.23*	
		For Class 56 Rating, Add	*11,609.43*	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,422.29	1,586.29
		For Class 52 Rating, Deduct	*-4,402.07*	
		For Class 54 Rating, Add	*6,031.66*	
		For Class 55 Rating, Add	*8,981.88*	
		For Class 56 Rating, Add	*11,892.08*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,385.17	1,589.86
		For Class 52 Rating, Deduct	*-4,507.39*	
		For Class 54 Rating, Add	*6,175.35*	
		For Class 55 Rating, Add	*9,195.53*	
		For Class 56 Rating, Add	*12,174.73*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,727.99	1,860.77
		For Class 52 Rating, Deduct	*-1,309.95*	
		For Class 54 Rating, Add	*1,820.13*	
		For Class 55 Rating, Add	*2,723.29*	
		For Class 56 Rating, Add	*3,614.55*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,018.42	1,864.33
		For Class 52 Rating, Deduct	*-1,451.30*	
		For Class 54 Rating, Add	*2,012.95*	
		For Class 55 Rating, Add	*3,009.98*	
		For Class 56 Rating, Add	*3,993.82*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,308.86	1,867.91
		For Class 52 Rating, Deduct	*-1,592.66*	
		For Class 54 Rating, Add	*2,205.77*	
		For Class 55 Rating, Add	*3,296.68*	
		For Class 56 Rating, Add	*4,373.10*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,599.31	1,871.47
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,398.59*	
		For Class 55 Rating, Add	*3,583.37*	
		For Class 56 Rating, Add	*4,752.39*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,889.74	1,875.03
		For Class 52 Rating, Deduct	*-1,875.37*	
		For Class 54 Rating, Add	*2,591.41*	
		For Class 55 Rating, Add	*3,870.06*	
		For Class 56 Rating, Add	*5,131.66*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,180.18	1,878.60
		For Class 52 Rating, Deduct	*-2,016.72*	
		For Class 54 Rating, Add	*2,784.23*	
		For Class 55 Rating, Add	*4,156.75*	
		For Class 56 Rating, Add	*5,510.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,470.62	1,882.16
		For Class 52 Rating, Deduct	*-2,158.07*	
		For Class 54 Rating, Add	*2,977.05*	
		For Class 55 Rating, Add	*4,443.45*	
		For Class 56 Rating, Add	*5,890.23*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,761.06	1,885.72
		For Class 52 Rating, Deduct	*-2,299.43*	
		For Class 54 Rating, Add	*3,169.87*	
		For Class 55 Rating, Add	*4,730.14*	
		For Class 56 Rating, Add	*6,269.51*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,051.49	1,889.29
		For Class 52 Rating, Deduct	*-2,440.78*	
		For Class 54 Rating, Add	*3,362.69*	
		For Class 55 Rating, Add	*5,016.83*	
		For Class 56 Rating, Add	*6,648.79*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,341.93	1,892.85
		For Class 52 Rating, Deduct	*-2,582.14*	
		For Class 54 Rating, Add	*3,555.51*	
		For Class 55 Rating, Add	*5,303.53*	
		For Class 56 Rating, Add	*7,028.07*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,632.38	1,896.42
		For Class 52 Rating, Deduct	*-2,723.49*	
		For Class 54 Rating, Add	*3,748.33*	
		For Class 55 Rating, Add	*5,590.22*	
		For Class 56 Rating, Add	*7,407.35*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,922.80	1,899.99
		For Class 52 Rating, Deduct	*-2,864.84*	
		For Class 54 Rating, Add	*3,941.15*	
		For Class 55 Rating, Add	*5,876.91*	
		For Class 56 Rating, Add	*7,786.63*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,213.25	1,903.55
		For Class 52 Rating, Deduct	*-3,006.20*	
		For Class 54 Rating, Add	*4,133.97*	
		For Class 55 Rating, Add	*6,163.60*	
		For Class 56 Rating, Add	*8,165.91*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,503.68	1,907.11
		For Class 52 Rating, Deduct	*-3,147.55*	
		For Class 54 Rating, Add	*4,326.79*	
		For Class 55 Rating, Add	*6,450.30*	
		For Class 56 Rating, Add	*8,545.19*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,794.12	1,910.68
		For Class 52 Rating, Deduct	*-3,288.91*	
		For Class 54 Rating, Add	*4,519.61*	
		For Class 55 Rating, Add	*6,736.99*	
		For Class 56 Rating, Add	*8,924.47*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,084.56	1,914.24
		For Class 52 Rating, Deduct	*-3,430.26*	
		For Class 54 Rating, Add	*4,712.43*	
		For Class 55 Rating, Add	*7,023.68*	
		For Class 56 Rating, Add	*9,303.75*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,375.00	1,917.80
		For Class 52 Rating, Deduct	*-3,571.62*	
		For Class 54 Rating, Add	*4,905.25*	
		For Class 55 Rating, Add	*7,310.38*	
		For Class 56 Rating, Add	*9,683.03*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,665.43	1,921.37
		For Class 52 Rating, Deduct	*-3,712.97*	
		For Class 54 Rating, Add	*5,098.07*	
		For Class 55 Rating, Add	*7,597.07*	
		For Class 56 Rating, Add	*10,062.31*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,955.87	1,924.94
		For Class 52 Rating, Deduct	*-3,854.32*	
		For Class 54 Rating, Add	*5,290.89*	
		For Class 55 Rating, Add	*7,883.76*	
		For Class 56 Rating, Add	*10,441.59*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,246.31	1,928.51
		For Class 52 Rating, Deduct	*-3,995.68*	
		For Class 54 Rating, Add	*5,483.71*	
		For Class 55 Rating, Add	*8,170.46*	
		For Class 56 Rating, Add	*10,820.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,536.75	1,932.07
		For Class 52 Rating, Deduct	*-4,137.03*	
		For Class 54 Rating, Add	*5,676.53*	
		For Class 55 Rating, Add	*8,457.15*	
		For Class 56 Rating, Add	*11,200.15*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,827.18	1,935.63
		For Class 52 Rating, Deduct	*-4,278.39*	
		For Class 54 Rating, Add	*5,869.35*	
		For Class 55 Rating, Add	*8,743.84*	
		For Class 56 Rating, Add	*11,579.43*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,117.63	1,939.20
		For Class 52 Rating, Deduct	*-4,419.74*	
		For Class 54 Rating, Add	*6,062.18*	
		For Class 55 Rating, Add	*9,030.53*	
		For Class 56 Rating, Add	*11,958.71*	
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,408.05	1,942.76
		For Class 52 Rating, Deduct	*-4,561.09*	
		For Class 54 Rating, Add	*6,254.99*	
		For Class 55 Rating, Add	*9,317.22*	
		For Class 56 Rating, Add	*12,337.99*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,698.50	1,946.32
		For Class 52 Rating, Deduct	*-4,702.45*	
		For Class 54 Rating, Add	*6,447.82*	
		For Class 55 Rating, Add	*9,603.92*	
		For Class 56 Rating, Add	*12,717.27*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,988.93	1,949.89
		For Class 52 Rating, Deduct	*-4,843.80*	
		For Class 54 Rating, Add	*6,640.64*	
		For Class 55 Rating, Add	*9,890.61*	
		For Class 56 Rating, Add	*13,096.55*	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,279.37	1,953.46
		For Class 52 Rating, Deduct	*-4,985.15*	
		For Class 54 Rating, Add	*6,833.46*	
		For Class 55 Rating, Add	*10,177.30*	
		For Class 56 Rating, Add	*13,475.83*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,569.81	1,957.02
		For Class 52 Rating, Deduct	*-5,126.51*	
		For Class 54 Rating, Add	*7,026.28*	
		For Class 55 Rating, Add	*10,464.00*	
		For Class 56 Rating, Add	*13,855.11*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,860.25	1,960.59
		For Class 52 Rating, Deduct	*-5,267.86*	
		For Class 54 Rating, Add	*7,219.10*	
		For Class 55 Rating, Add	*10,750.69*	
		For Class 56 Rating, Add	*14,234.39*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,150.69	1,964.15
		For Class 52 Rating, Deduct	*-5,409.22*	
		For Class 54 Rating, Add	*7,411.92*	
		For Class 55 Rating, Add	*11,037.38*	
		For Class 56 Rating, Add	*14,613.67*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,441.12	1,967.71
		For Class 52 Rating, Deduct	*-5,550.57*	
		For Class 54 Rating, Add	*7,604.74*	
		For Class 55 Rating, Add	*11,324.08*	
		For Class 56 Rating, Add	*14,992.95*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,731.57	1,971.28
		For Class 52 Rating, Deduct	*-5,691.93*	
		For Class 54 Rating, Add	*7,797.56*	
		For Class 55 Rating, Add	*11,610.77*	
		For Class 56 Rating, Add	*15,372.23*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,022.01	1,974.84
		For Class 52 Rating, Deduct	*-5,833.28*	
		For Class 54 Rating, Add	*7,990.38*	
		For Class 55 Rating, Add	*11,897.46*	
		For Class 56 Rating, Add	*15,751.52*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,312.44	1,978.40
		For Class 52 Rating, Deduct	*-5,974.63*	
		For Class 54 Rating, Add	*8,183.20*	
		For Class 55 Rating, Add	*12,184.15*	
		For Class 56 Rating, Add	*16,130.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,602.88	1,981.97
		For Class 52 Rating, Deduct	*-6,115.99*	
		For Class 54 Rating, Add	*8,376.02*	
		For Class 55 Rating, Add	*12,470.85*	
		For Class 56 Rating, Add	*16,510.08*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	796.42	174.33
		For Class 52 Rating, Deduct	*-58.55*	
		For Class 54 Rating, Add	*83.01*	
		For Class 55 Rating, Add	*125.04*	
		For Class 56 Rating, Add	*166.53*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	920.73	177.38
		For Class 52 Rating, Deduct	*-71.72*	
		For Class 54 Rating, Add	*101.02*	
		For Class 55 Rating, Add	*151.84*	
		For Class 56 Rating, Add	*202.01*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,045.02	180.43
		For Class 52 Rating, Deduct	*-84.88*	
		For Class 54 Rating, Add	*119.03*	
		For Class 55 Rating, Add	*178.64*	
		For Class 56 Rating, Add	*237.48*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,169.33	183.47
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*137.04*	
		For Class 55 Rating, Add	*205.44*	
		For Class 56 Rating, Add	*272.95*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,293.63	186.52
		For Class 52 Rating, Deduct	*-111.21*	
		For Class 54 Rating, Add	*155.04*	
		For Class 55 Rating, Add	*232.24*	
		For Class 56 Rating, Add	*308.42*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,417.94	189.58
		For Class 52 Rating, Deduct	*-124.38*	
		For Class 54 Rating, Add	*173.05*	
		For Class 55 Rating, Add	*259.04*	
		For Class 56 Rating, Add	*343.90*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,542.24	192.63
		For Class 52 Rating, Deduct	*-137.54*	
		For Class 54 Rating, Add	*191.06*	
		For Class 55 Rating, Add	*285.84*	
		For Class 56 Rating, Add	*379.37*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,666.54	195.67
		For Class 52 Rating, Deduct	*-150.71*	
		For Class 54 Rating, Add	*209.07*	
		For Class 55 Rating, Add	*312.64*	
		For Class 56 Rating, Add	*414.85*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,790.84	198.72
		For Class 52 Rating, Deduct	*-163.87*	
		For Class 54 Rating, Add	*227.08*	
		For Class 55 Rating, Add	*339.44*	
		For Class 56 Rating, Add	*450.32*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,915.15	201.77
		For Class 52 Rating, Deduct	*-177.04*	
		For Class 54 Rating, Add	*245.09*	
		For Class 55 Rating, Add	*366.24*	
		For Class 56 Rating, Add	*485.79*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,039.45	204.81
		For Class 52 Rating, Deduct	*-190.20*	
		For Class 54 Rating, Add	*263.09*	
		For Class 55 Rating, Add	*393.04*	
		For Class 56 Rating, Add	*521.26*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,163.76	207.86
		For Class 52 Rating, Deduct	*-203.37*	
		For Class 54 Rating, Add	*281.10*	
		For Class 55 Rating, Add	*419.85*	
		For Class 56 Rating, Add	*556.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,288.05	210.91
		For Class 52 Rating, Deduct	*-216.54*	
		For Class 54 Rating, Add	*299.11*	
		For Class 55 Rating, Add	*446.64*	
		For Class 56 Rating, Add	*592.21*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,412.35	213.97
		For Class 52 Rating, Deduct	*-229.70*	
		For Class 54 Rating, Add	*317.12*	
		For Class 55 Rating, Add	*473.44*	
		For Class 56 Rating, Add	*627.68*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,536.66	217.00
		For Class 52 Rating, Deduct	*-242.87*	
		For Class 54 Rating, Add	*335.13*	
		For Class 55 Rating, Add	*500.25*	
		For Class 56 Rating, Add	*663.16*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,660.96	220.05
		For Class 52 Rating, Deduct	*-256.03*	
		For Class 54 Rating, Add	*353.13*	
		For Class 55 Rating, Add	*527.05*	
		For Class 56 Rating, Add	*698.63*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,785.26	223.10
		For Class 52 Rating, Deduct	*-269.20*	
		For Class 54 Rating, Add	*371.14*	
		For Class 55 Rating, Add	*553.85*	
		For Class 56 Rating, Add	*734.10*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,909.57	226.14
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*389.15*	
		For Class 55 Rating, Add	*580.65*	
		For Class 56 Rating, Add	*769.58*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,033.87	229.19
		For Class 52 Rating, Deduct	*-295.53*	
		For Class 54 Rating, Add	*407.16*	
		For Class 55 Rating, Add	*607.45*	
		For Class 56 Rating, Add	*805.05*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,158.17	232.24
		For Class 52 Rating, Deduct	*-308.69*	
		For Class 54 Rating, Add	*425.17*	
		For Class 55 Rating, Add	*634.25*	
		For Class 56 Rating, Add	*840.52*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,282.48	235.30
		For Class 52 Rating, Deduct	*-321.86*	
		For Class 54 Rating, Add	*443.18*	
		For Class 55 Rating, Add	*661.05*	
		For Class 56 Rating, Add	*876.00*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,406.77	238.34
		For Class 52 Rating, Deduct	*-335.02*	
		For Class 54 Rating, Add	*461.18*	
		For Class 55 Rating, Add	*687.85*	
		For Class 56 Rating, Add	*911.47*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,531.09	241.39
		For Class 52 Rating, Deduct	*-348.19*	
		For Class 54 Rating, Add	*479.19*	
		For Class 55 Rating, Add	*714.65*	
		For Class 56 Rating, Add	*946.94*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,655.38	244.44
		For Class 52 Rating, Deduct	*-361.35*	
		For Class 54 Rating, Add	*497.20*	
		For Class 55 Rating, Add	*741.45*	
		For Class 56 Rating, Add	*982.42*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,088.34	247.48
		For Class 52 Rating, Deduct	*-408.47*	
		For Class 54 Rating, Add	*561.51*	
		For Class 55 Rating, Add	*837.08*	
		For Class 56 Rating, Add	*1,108.95*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,212.65	250.53
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*579.51*	
		For Class 55 Rating, Add	*863.88*	
		For Class 56 Rating, Add	*1,144.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,336.95	253.58
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*597.52*	
		For Class 55 Rating, Add	*890.68*	
		For Class 56 Rating, Add	*1,179.89*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,461.26	256.63
		For Class 52 Rating, Deduct	*-447.97*	
		For Class 54 Rating, Add	*615.53*	
		For Class 55 Rating, Add	*917.48*	
		For Class 56 Rating, Add	*1,215.36*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,585.56	259.66
		For Class 52 Rating, Deduct	*-461.13*	
		For Class 54 Rating, Add	*633.54*	
		For Class 55 Rating, Add	*944.29*	
		For Class 56 Rating, Add	*1,250.84*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,709.85	262.72
		For Class 52 Rating, Deduct	*-474.30*	
		For Class 54 Rating, Add	*651.55*	
		For Class 55 Rating, Add	*971.08*	
		For Class 56 Rating, Add	*1,286.31*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,834.17	265.77
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*669.56*	
		For Class 55 Rating, Add	*997.89*	
		For Class 56 Rating, Add	*1,321.79*	
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,958.46	268.82
		For Class 52 Rating, Deduct	*-500.63*	
		For Class 54 Rating, Add	*687.56*	
		For Class 55 Rating, Add	*1,024.69*	
		For Class 56 Rating, Add	*1,357.26*	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,082.78	271.86
		For Class 52 Rating, Deduct	*-513.79*	
		For Class 54 Rating, Add	*705.57*	
		For Class 55 Rating, Add	*1,051.49*	
		For Class 56 Rating, Add	*1,392.73*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,207.07	274.91
		For Class 52 Rating, Deduct	*-526.96*	
		For Class 54 Rating, Add	*723.58*	
		For Class 55 Rating, Add	*1,078.29*	
		For Class 56 Rating, Add	*1,428.20*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,331.37	277.96
		For Class 52 Rating, Deduct	*-540.13*	
		For Class 54 Rating, Add	*741.59*	
		For Class 55 Rating, Add	*1,105.09*	
		For Class 56 Rating, Add	*1,463.68*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,455.68	281.00
		For Class 52 Rating, Deduct	*-553.29*	
		For Class 54 Rating, Add	*759.60*	
		For Class 55 Rating, Add	*1,131.89*	
		For Class 56 Rating, Add	*1,499.15*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,579.98	284.06
		For Class 52 Rating, Deduct	*-566.46*	
		For Class 54 Rating, Add	*777.60*	
		For Class 55 Rating, Add	*1,158.69*	
		For Class 56 Rating, Add	*1,534.63*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,704.28	287.11
		For Class 52 Rating, Deduct	*-579.62*	
		For Class 54 Rating, Add	*795.61*	
		For Class 55 Rating, Add	*1,185.49*	
		For Class 56 Rating, Add	*1,570.10*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,828.59	290.16
		For Class 52 Rating, Deduct	*-592.79*	
		For Class 54 Rating, Add	*813.62*	
		For Class 55 Rating, Add	*1,212.29*	
		For Class 56 Rating, Add	*1,605.57*	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	978.15	219.44
		For Class 52 Rating, Deduct	*-71.02*	
		For Class 54 Rating, Add	*100.84*	
		For Class 55 Rating, Add	*151.96*	
		For Class 56 Rating, Add	*202.44*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,121.36	222.50
		For Class 52 Rating, Deduct	*-86.27*	
		For Class 54 Rating, Add	*121.68*	
		For Class 55 Rating, Add	*182.98*	
		For Class 56 Rating, Add	*243.49*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,264.55	225.54
		For Class 52 Rating, Deduct	*-101.51*	
		For Class 54 Rating, Add	*142.53*	
		For Class 55 Rating, Add	*213.99*	
		For Class 56 Rating, Add	*284.54*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,407.77	228.59
		For Class 52 Rating, Deduct	*-116.76*	
		For Class 54 Rating, Add	*163.37*	
		For Class 55 Rating, Add	*245.01*	
		For Class 56 Rating, Add	*325.59*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,550.96	231.64
		For Class 52 Rating, Deduct	*-132.00*	
		For Class 54 Rating, Add	*184.21*	
		For Class 55 Rating, Add	*276.02*	
		For Class 56 Rating, Add	*366.63*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,694.16	234.68
		For Class 52 Rating, Deduct	*-147.24*	
		For Class 54 Rating, Add	*205.05*	
		For Class 55 Rating, Add	*307.04*	
		For Class 56 Rating, Add	*407.68*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,837.36	237.73
		For Class 52 Rating, Deduct	*-162.49*	
		For Class 54 Rating, Add	*225.90*	
		For Class 55 Rating, Add	*338.05*	
		For Class 56 Rating, Add	*448.73*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,980.55	240.78
		For Class 52 Rating, Deduct	*-177.73*	
		For Class 54 Rating, Add	*246.74*	
		For Class 55 Rating, Add	*369.07*	
		For Class 56 Rating, Add	*489.78*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,123.76	243.84
		For Class 52 Rating, Deduct	*-192.98*	
		For Class 54 Rating, Add	*267.58*	
		For Class 55 Rating, Add	*400.08*	
		For Class 56 Rating, Add	*530.83*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,266.96	246.86
		For Class 52 Rating, Deduct	*-208.22*	
		For Class 54 Rating, Add	*288.43*	
		For Class 55 Rating, Add	*431.10*	
		For Class 56 Rating, Add	*571.87*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,410.16	249.92
		For Class 52 Rating, Deduct	*-223.46*	
		For Class 54 Rating, Add	*309.27*	
		For Class 55 Rating, Add	*462.11*	
		For Class 56 Rating, Add	*612.92*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,553.36	252.97
		For Class 52 Rating, Deduct	*-238.71*	
		For Class 54 Rating, Add	*330.11*	
		For Class 55 Rating, Add	*493.12*	
		For Class 56 Rating, Add	*653.97*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,696.56	256.01
		For Class 52 Rating, Deduct	*-253.95*	
		For Class 54 Rating, Add	*350.95*	
		For Class 55 Rating, Add	*524.14*	
		For Class 56 Rating, Add	*695.02*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,839.76	259.06
		For Class 52 Rating, Deduct	*-269.20*	
		For Class 54 Rating, Add	*371.80*	
		For Class 55 Rating, Add	*555.16*	
		For Class 56 Rating, Add	*736.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,982.96	262.11
		For Class 52 Rating, Deduct	*-284.44*	
		For Class 54 Rating, Add	*392.64*	
		For Class 55 Rating, Add	*586.17*	
		For Class 56 Rating, Add	*777.11*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,126.16	265.16
		For Class 52 Rating, Deduct	*-299.68*	
		For Class 54 Rating, Add	*413.48*	
		For Class 55 Rating, Add	*617.18*	
		For Class 56 Rating, Add	*818.16*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,269.37	268.20
		For Class 52 Rating, Deduct	*-314.93*	
		For Class 54 Rating, Add	*434.33*	
		For Class 55 Rating, Add	*648.20*	
		For Class 56 Rating, Add	*859.21*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,412.56	271.26
		For Class 52 Rating, Deduct	*-330.17*	
		For Class 54 Rating, Add	*455.17*	
		For Class 55 Rating, Add	*679.21*	
		For Class 56 Rating, Add	*900.26*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,555.76	274.31
		For Class 52 Rating, Deduct	*-345.42*	
		For Class 54 Rating, Add	*476.01*	
		For Class 55 Rating, Add	*710.23*	
		For Class 56 Rating, Add	*941.31*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,698.96	277.36
		For Class 52 Rating, Deduct	*-360.66*	
		For Class 54 Rating, Add	*496.85*	
		For Class 55 Rating, Add	*741.24*	
		For Class 56 Rating, Add	*982.35*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,842.17	280.40
		For Class 52 Rating, Deduct	*-375.91*	
		For Class 54 Rating, Add	*517.70*	
		For Class 55 Rating, Add	*772.26*	
		For Class 56 Rating, Add	*1,023.40*	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,985.36	283.45
		For Class 52 Rating, Deduct	*-391.15*	
		For Class 54 Rating, Add	*538.54*	
		For Class 55 Rating, Add	*803.27*	
		For Class 56 Rating, Add	*1,064.45*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,128.56	286.50
		For Class 52 Rating, Deduct	*-406.39*	
		For Class 54 Rating, Add	*559.38*	
		For Class 55 Rating, Add	*834.29*	
		For Class 56 Rating, Add	*1,105.50*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,271.76	289.53
		For Class 52 Rating, Deduct	*-421.64*	
		For Class 54 Rating, Add	*580.22*	
		For Class 55 Rating, Add	*865.30*	
		For Class 56 Rating, Add	*1,146.55*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,414.97	292.58
		For Class 52 Rating, Deduct	*-436.88*	
		For Class 54 Rating, Add	*601.07*	
		For Class 55 Rating, Add	*896.32*	
		For Class 56 Rating, Add	*1,187.60*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,558.17	295.64
		For Class 52 Rating, Deduct	*-452.13*	
		For Class 54 Rating, Add	*621.91*	
		For Class 55 Rating, Add	*927.33*	
		For Class 56 Rating, Add	*1,228.64*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,701.36	298.69
		For Class 52 Rating, Deduct	*-467.37*	
		For Class 54 Rating, Add	*642.75*	
		For Class 55 Rating, Add	*958.35*	
		For Class 56 Rating, Add	*1,269.69*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,844.57	301.73
		For Class 52 Rating, Deduct	*-482.61*	
		For Class 54 Rating, Add	*663.59*	
		For Class 55 Rating, Add	*989.36*	
		For Class 56 Rating, Add	*1,310.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,987.77	304.78
		For Class 52 Rating, Deduct	*-497.86*	
		For Class 54 Rating, Add	*684.44*	
		For Class 55 Rating, Add	*1,020.38*	
		For Class 56 Rating, Add	*1,351.79*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,130.96	307.83
		For Class 52 Rating, Deduct	*-513.10*	
		For Class 54 Rating, Add	*705.28*	
		For Class 55 Rating, Add	*1,051.39*	
		For Class 56 Rating, Add	*1,392.84*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,274.17	310.87
		For Class 52 Rating, Deduct	*-528.35*	
		For Class 54 Rating, Add	*726.12*	
		For Class 55 Rating, Add	*1,082.40*	
		For Class 56 Rating, Add	*1,433.88*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,417.36	313.92
		For Class 52 Rating, Deduct	*-543.59*	
		For Class 54 Rating, Add	*746.97*	
		For Class 55 Rating, Add	*1,113.42*	
		For Class 56 Rating, Add	*1,474.93*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,560.57	316.98
		For Class 52 Rating, Deduct	*-558.83*	
		For Class 54 Rating, Add	*767.81*	
		For Class 55 Rating, Add	*1,144.43*	
		For Class 56 Rating, Add	*1,515.98*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,703.77	320.03
		For Class 52 Rating, Deduct	*-574.08*	
		For Class 54 Rating, Add	*788.65*	
		For Class 55 Rating, Add	*1,175.45*	
		For Class 56 Rating, Add	*1,557.03*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,846.96	323.07
		For Class 52 Rating, Deduct	*-589.32*	
		For Class 54 Rating, Add	*809.49*	
		For Class 55 Rating, Add	*1,206.46*	
		For Class 56 Rating, Add	*1,598.08*	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,990.17	326.12
		For Class 52 Rating, Deduct	*-604.57*	
		For Class 54 Rating, Add	*830.34*	
		For Class 55 Rating, Add	*1,237.48*	
		For Class 56 Rating, Add	*1,639.12*	
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,133.36	329.17
		For Class 52 Rating, Deduct	*-619.81*	
		For Class 54 Rating, Add	*851.18*	
		For Class 55 Rating, Add	*1,268.49*	
		For Class 56 Rating, Add	*1,680.17*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,276.58	332.20
		For Class 52 Rating, Deduct	*-635.05*	
		For Class 54 Rating, Add	*872.02*	
		For Class 55 Rating, Add	*1,299.51*	
		For Class 56 Rating, Add	*1,721.22*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,419.77	335.25
		For Class 52 Rating, Deduct	*-650.30*	
		For Class 54 Rating, Add	*892.87*	
		For Class 55 Rating, Add	*1,330.52*	
		For Class 56 Rating, Add	*1,762.27*	

40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,335.08	280.40
		For Class 52 Rating, Deduct	*-100.13*	
		For Class 54 Rating, Add	*141.63*	
		For Class 55 Rating, Add	*213.18*	
		For Class 56 Rating, Add	*283.81*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,519.22	283.45
		For Class 52 Rating, Deduct	*-119.87*	
		For Class 54 Rating, Add	*168.62*	
		For Class 55 Rating, Add	*253.32*	
		For Class 56 Rating, Add	*336.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,703.37	286.50
		For Class 52 Rating, Deduct	*-139.62*	
		For Class 54 Rating, Add	*195.60*	
		For Class 55 Rating, Add	*293.47*	
		For Class 56 Rating, Add	*390.07*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,887.52	289.53
		For Class 52 Rating, Deduct	*-159.37*	
		For Class 54 Rating, Add	*222.59*	
		For Class 55 Rating, Add	*333.62*	
		For Class 56 Rating, Add	*443.20*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,071.66	292.58
		For Class 52 Rating, Deduct	*-179.12*	
		For Class 54 Rating, Add	*249.57*	
		For Class 55 Rating, Add	*373.76*	
		For Class 56 Rating, Add	*496.32*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,255.81	295.64
		For Class 52 Rating, Deduct	*-198.87*	
		For Class 54 Rating, Add	*276.56*	
		For Class 55 Rating, Add	*413.91*	
		For Class 56 Rating, Add	*549.45*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,439.95	298.69
		For Class 52 Rating, Deduct	*-218.61*	
		For Class 54 Rating, Add	*303.54*	
		For Class 55 Rating, Add	*454.05*	
		For Class 56 Rating, Add	*602.57*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,624.10	301.73
		For Class 52 Rating, Deduct	*-238.36*	
		For Class 54 Rating, Add	*330.52*	
		For Class 55 Rating, Add	*494.20*	
		For Class 56 Rating, Add	*655.70*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,808.24	304.78
		For Class 52 Rating, Deduct	*-258.11*	
		For Class 54 Rating, Add	*357.51*	
		For Class 55 Rating, Add	*534.34*	
		For Class 56 Rating, Add	*708.83*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,992.38	307.83
		For Class 52 Rating, Deduct	*-277.86*	
		For Class 54 Rating, Add	*384.49*	
		For Class 55 Rating, Add	*574.49*	
		For Class 56 Rating, Add	*761.95*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,176.54	310.87
		For Class 52 Rating, Deduct	*-297.61*	
		For Class 54 Rating, Add	*411.48*	
		For Class 55 Rating, Add	*614.63*	
		For Class 56 Rating, Add	*815.08*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,360.67	313.92
		For Class 52 Rating, Deduct	*-317.35*	
		For Class 54 Rating, Add	*438.46*	
		For Class 55 Rating, Add	*654.78*	
		For Class 56 Rating, Add	*868.21*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,544.83	316.98
		For Class 52 Rating, Deduct	*-337.10*	
		For Class 54 Rating, Add	*465.45*	
		For Class 55 Rating, Add	*694.92*	
		For Class 56 Rating, Add	*921.33*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,728.97	320.03
		For Class 52 Rating, Deduct	*-356.85*	
		For Class 54 Rating, Add	*492.43*	
		For Class 55 Rating, Add	*735.07*	
		For Class 56 Rating, Add	*974.46*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,913.11	323.07
		For Class 52 Rating, Deduct	*-376.60*	
		For Class 54 Rating, Add	*519.42*	
		For Class 55 Rating, Add	*775.22*	
		For Class 56 Rating, Add	*1,027.59*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,097.26	326.12
		For Class 52 Rating, Deduct	*-396.35*	
		For Class 54 Rating, Add	*546.40*	
		For Class 55 Rating, Add	*815.36*	
		For Class 56 Rating, Add	*1,080.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,281.40	329.17
		For Class 52 Rating, Deduct	*-416.09*	
		For Class 54 Rating, Add	*573.39*	
		For Class 55 Rating, Add	*855.50*	
		For Class 56 Rating, Add	*1,133.84*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,465.56	332.20
		For Class 52 Rating, Deduct	*-435.84*	
		For Class 54 Rating, Add	*600.37*	
		For Class 55 Rating, Add	*895.65*	
		For Class 56 Rating, Add	*1,186.97*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,649.69	335.25
		For Class 52 Rating, Deduct	*-455.59*	
		For Class 54 Rating, Add	*627.35*	
		For Class 55 Rating, Add	*935.79*	
		For Class 56 Rating, Add	*1,240.09*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,833.83	338.30
		For Class 52 Rating, Deduct	*-475.34*	
		For Class 54 Rating, Add	*654.34*	
		For Class 55 Rating, Add	*975.94*	
		For Class 56 Rating, Add	*1,293.22*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,017.99	341.36
		For Class 52 Rating, Deduct	*-495.09*	
		For Class 54 Rating, Add	*681.32*	
		For Class 55 Rating, Add	*1,016.09*	
		For Class 56 Rating, Add	*1,346.35*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,202.13	344.40
		For Class 52 Rating, Deduct	*-514.83*	
		For Class 54 Rating, Add	*708.31*	
		For Class 55 Rating, Add	*1,056.23*	
		For Class 56 Rating, Add	*1,399.48*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,386.27	347.45
		For Class 52 Rating, Deduct	*-534.58*	
		For Class 54 Rating, Add	*735.29*	
		For Class 55 Rating, Add	*1,096.38*	
		For Class 56 Rating, Add	*1,452.60*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,570.42	350.50
		For Class 52 Rating, Deduct	*-554.33*	
		For Class 54 Rating, Add	*762.28*	
		For Class 55 Rating, Add	*1,136.52*	
		For Class 56 Rating, Add	*1,505.73*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,754.57	353.55
		For Class 52 Rating, Deduct	*-574.08*	
		For Class 54 Rating, Add	*789.26*	
		For Class 55 Rating, Add	*1,176.67*	
		For Class 56 Rating, Add	*1,558.86*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,938.71	356.59
		For Class 52 Rating, Deduct	*-593.83*	
		For Class 54 Rating, Add	*816.25*	
		For Class 55 Rating, Add	*1,216.81*	
		For Class 56 Rating, Add	*1,611.98*	
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,122.85	359.64
		For Class 52 Rating, Deduct	*-613.57*	
		For Class 54 Rating, Add	*843.23*	
		For Class 55 Rating, Add	*1,256.96*	
		For Class 56 Rating, Add	*1,665.11*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,307.00	362.70
		For Class 52 Rating, Deduct	*-633.32*	
		For Class 54 Rating, Add	*870.21*	
		For Class 55 Rating, Add	*1,297.10*	
		For Class 56 Rating, Add	*1,718.24*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,491.15	365.74
		For Class 52 Rating, Deduct	*-653.07*	
		For Class 54 Rating, Add	*897.20*	
		For Class 55 Rating, Add	*1,337.25*	
		For Class 56 Rating, Add	*1,771.36*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,675.29	368.79
		For Class 52 Rating, Deduct	*-672.82*	
		For Class 54 Rating, Add	*924.18*	
		For Class 55 Rating, Add	*1,377.39*	
		For Class 56 Rating, Add	*1,824.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,859.43	371.84
		For Class 52 Rating, Deduct	*-692.57*	
		For Class 54 Rating, Add	*951.17*	
		For Class 55 Rating, Add	*1,417.54*	
		For Class 56 Rating, Add	*1,877.62*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,043.58	374.89
		For Class 52 Rating, Deduct	*-712.31*	
		For Class 54 Rating, Add	*978.15*	
		For Class 55 Rating, Add	*1,457.69*	
		For Class 56 Rating, Add	*1,930.74*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,227.72	377.92
		For Class 52 Rating, Deduct	*-732.06*	
		For Class 54 Rating, Add	*1,005.14*	
		For Class 55 Rating, Add	*1,497.83*	
		For Class 56 Rating, Add	*1,983.87*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,411.87	380.97
		For Class 52 Rating, Deduct	*-751.81*	
		For Class 54 Rating, Add	*1,032.12*	
		For Class 55 Rating, Add	*1,537.98*	
		For Class 56 Rating, Add	*2,037.00*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,596.02	384.02
		For Class 52 Rating, Deduct	*-771.56*	
		For Class 54 Rating, Add	*1,059.11*	
		For Class 55 Rating, Add	*1,578.12*	
		For Class 56 Rating, Add	*2,090.12*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,780.16	387.06
		For Class 52 Rating, Deduct	*-791.31*	
		For Class 54 Rating, Add	*1,086.09*	
		For Class 55 Rating, Add	*1,618.27*	
		For Class 56 Rating, Add	*2,143.25*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,964.30	390.12
		For Class 52 Rating, Deduct	*-811.05*	
		For Class 54 Rating, Add	*1,113.07*	
		For Class 55 Rating, Add	*1,658.41*	
		For Class 56 Rating, Add	*2,196.38*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,148.45	393.17
		For Class 52 Rating, Deduct	*-830.80*	
		For Class 54 Rating, Add	*1,140.06*	
		For Class 55 Rating, Add	*1,698.56*	
		For Class 56 Rating, Add	*2,249.50*	
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,332.60	396.22
		For Class 52 Rating, Deduct	*-850.55*	
		For Class 54 Rating, Add	*1,167.04*	
		For Class 55 Rating, Add	*1,738.70*	
		For Class 56 Rating, Add	*2,302.63*	

40 05 19 00-3203 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,685.71	341.36
		For Class 52 Rating, Deduct	*-128.54*	
		For Class 54 Rating, Add	*181.48*	
		For Class 55 Rating, Add	*272.99*	
		For Class 56 Rating, Add	*363.33*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,923.39	344.40
		For Class 52 Rating, Deduct	*-154.17*	
		For Class 54 Rating, Add	*216.50*	
		For Class 55 Rating, Add	*325.07*	
		For Class 56 Rating, Add	*432.25*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,161.08	347.45
		For Class 52 Rating, Deduct	*-179.81*	
		For Class 54 Rating, Add	*251.51*	
		For Class 55 Rating, Add	*377.16*	
		For Class 56 Rating, Add	*501.17*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,398.77	350.50
		For Class 52 Rating, Deduct	*-205.45*	
		For Class 54 Rating, Add	*286.53*	
		For Class 55 Rating, Add	*429.24*	
		For Class 56 Rating, Add	*570.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,636.46	353.55
		For Class 52 Rating, Deduct	*-231.09*	
		For Class 54 Rating, Add	*321.55*	
		For Class 55 Rating, Add	*481.33*	
		For Class 56 Rating, Add	*639.01*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,874.15	356.59
		For Class 52 Rating, Deduct	*-256.72*	
		For Class 54 Rating, Add	*356.56*	
		For Class 55 Rating, Add	*533.42*	
		For Class 56 Rating, Add	*707.94*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,111.83	359.64
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*391.58*	
		For Class 55 Rating, Add	*585.50*	
		For Class 56 Rating, Add	*776.86*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,349.52	362.70
		For Class 52 Rating, Deduct	*-308.00*	
		For Class 54 Rating, Add	*426.59*	
		For Class 55 Rating, Add	*637.59*	
		For Class 56 Rating, Add	*845.78*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,587.21	365.74
		For Class 52 Rating, Deduct	*-333.64*	
		For Class 54 Rating, Add	*461.61*	
		For Class 55 Rating, Add	*689.67*	
		For Class 56 Rating, Add	*914.70*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,824.91	368.79
		For Class 52 Rating, Deduct	*-359.28*	
		For Class 54 Rating, Add	*496.63*	
		For Class 55 Rating, Add	*741.76*	
		For Class 56 Rating, Add	*983.63*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,062.59	371.84
		For Class 52 Rating, Deduct	*-384.91*	
		For Class 54 Rating, Add	*531.64*	
		For Class 55 Rating, Add	*793.84*	
		For Class 56 Rating, Add	*1,052.55*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,300.28	374.89
		For Class 52 Rating, Deduct	*-410.55*	
		For Class 54 Rating, Add	*566.66*	
		For Class 55 Rating, Add	*845.93*	
		For Class 56 Rating, Add	*1,121.47*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,537.97	377.92
		For Class 52 Rating, Deduct	*-436.19*	
		For Class 54 Rating, Add	*601.67*	
		For Class 55 Rating, Add	*898.02*	
		For Class 56 Rating, Add	*1,190.39*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,775.66	380.97
		For Class 52 Rating, Deduct	*-461.83*	
		For Class 54 Rating, Add	*636.69*	
		For Class 55 Rating, Add	*950.10*	
		For Class 56 Rating, Add	*1,259.31*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,013.35	384.02
		For Class 52 Rating, Deduct	*-487.46*	
		For Class 54 Rating, Add	*671.71*	
		For Class 55 Rating, Add	*1,002.19*	
		For Class 56 Rating, Add	*1,328.24*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.03	387.06
		For Class 52 Rating, Deduct	*-513.10*	
		For Class 54 Rating, Add	*706.72*	
		For Class 55 Rating, Add	*1,054.27*	
		For Class 56 Rating, Add	*1,397.16*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,488.72	390.12
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*741.74*	
		For Class 55 Rating, Add	*1,106.36*	
		For Class 56 Rating, Add	*1,466.08*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,726.41	393.17
		For Class 52 Rating, Deduct	*-564.38*	
		For Class 54 Rating, Add	*776.75*	
		For Class 55 Rating, Add	*1,158.44*	
		For Class 56 Rating, Add	*1,535.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,964.10	396.22
		For Class 52 Rating, Deduct	*-590.01*	
		For Class 54 Rating, Add	*811.77*	
		For Class 55 Rating, Add	*1,210.53*	
		For Class 56 Rating, Add	*1,603.92*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,201.79	399.26
		For Class 52 Rating, Deduct	*-615.65*	
		For Class 54 Rating, Add	*846.79*	
		For Class 55 Rating, Add	*1,262.61*	
		For Class 56 Rating, Add	*1,672.85*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,439.47	402.31
		For Class 52 Rating, Deduct	*-641.29*	
		For Class 54 Rating, Add	*881.80*	
		For Class 55 Rating, Add	*1,314.70*	
		For Class 56 Rating, Add	*1,741.77*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,677.16	405.36
		For Class 52 Rating, Deduct	*-666.93*	
		For Class 54 Rating, Add	*916.82*	
		For Class 55 Rating, Add	*1,366.78*	
		For Class 56 Rating, Add	*1,810.69*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,914.85	408.40
		For Class 52 Rating, Deduct	*-692.57*	
		For Class 54 Rating, Add	*951.83*	
		For Class 55 Rating, Add	*1,418.87*	
		For Class 56 Rating, Add	*1,879.61*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,152.53	411.46
		For Class 52 Rating, Deduct	*-718.20*	
		For Class 54 Rating, Add	*986.85*	
		For Class 55 Rating, Add	*1,470.96*	
		For Class 56 Rating, Add	*1,948.53*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,390.23	414.51
		For Class 52 Rating, Deduct	*-743.84*	
		For Class 54 Rating, Add	*1,021.86*	
		For Class 55 Rating, Add	*1,523.04*	
		For Class 56 Rating, Add	*2,017.46*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,627.91	417.56
		For Class 52 Rating, Deduct	*-769.48*	
		For Class 54 Rating, Add	*1,056.88*	
		For Class 55 Rating, Add	*1,575.13*	
		For Class 56 Rating, Add	*2,086.38*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,865.61	420.59
		For Class 52 Rating, Deduct	*-795.12*	
		For Class 54 Rating, Add	*1,091.90*	
		For Class 55 Rating, Add	*1,627.21*	
		For Class 56 Rating, Add	*2,155.30*	
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,103.29	423.64
		For Class 52 Rating, Deduct	*-820.75*	
		For Class 54 Rating, Add	*1,126.91*	
		For Class 55 Rating, Add	*1,679.30*	
		For Class 56 Rating, Add	*2,224.22*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,340.97	426.69
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,161.93*	
		For Class 55 Rating, Add	*1,731.38*	
		For Class 56 Rating, Add	*2,293.14*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,578.67	429.74
		For Class 52 Rating, Deduct	*-872.03*	
		For Class 54 Rating, Add	*1,196.94*	
		For Class 55 Rating, Add	*1,783.47*	
		For Class 56 Rating, Add	*2,362.06*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,816.35	432.78
		For Class 52 Rating, Deduct	*-897.67*	
		For Class 54 Rating, Add	*1,231.96*	
		For Class 55 Rating, Add	*1,835.55*	
		For Class 56 Rating, Add	*2,430.99*	
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,054.04	435.84
		For Class 52 Rating, Deduct	*-923.30*	
		For Class 54 Rating, Add	*1,266.98*	
		For Class 55 Rating, Add	*1,887.64*	
		For Class 56 Rating, Add	*2,499.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,291.73	438.89
		For Class 52 Rating, Deduct	*-948.94*	
		For Class 54 Rating, Add	*1,301.99*	
		For Class 55 Rating, Add	*1,939.72*	
		For Class 56 Rating, Add	*2,568.83*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,529.41	441.93
		For Class 52 Rating, Deduct	*-974.58*	
		For Class 54 Rating, Add	*1,337.01*	
		For Class 55 Rating, Add	*1,991.81*	
		For Class 56 Rating, Add	*2,637.75*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,767.12	444.98
		For Class 52 Rating, Deduct	*-1,000.22*	
		For Class 54 Rating, Add	*1,372.03*	
		For Class 55 Rating, Add	*2,043.90*	
		For Class 56 Rating, Add	*2,706.68*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,004.80	448.03
		For Class 52 Rating, Deduct	*-1,025.86*	
		For Class 54 Rating, Add	*1,407.04*	
		For Class 55 Rating, Add	*2,095.98*	
		For Class 56 Rating, Add	*2,775.60*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,242.49	451.08
		For Class 52 Rating, Deduct	*-1,051.49*	
		For Class 54 Rating, Add	*1,442.06*	
		For Class 55 Rating, Add	*2,148.07*	
		For Class 56 Rating, Add	*2,844.52*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,480.18	454.12
		For Class 52 Rating, Deduct	*-1,077.13*	
		For Class 54 Rating, Add	*1,477.07*	
		For Class 55 Rating, Add	*2,200.15*	
		For Class 56 Rating, Add	*2,913.44*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,717.86	457.18
		For Class 52 Rating, Deduct	*-1,102.77*	
		For Class 54 Rating, Add	*1,512.09*	
		For Class 55 Rating, Add	*2,252.24*	
		For Class 56 Rating, Add	*2,982.36*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,189.80	426.69
		For Class 52 Rating, Deduct	*-169.76*	
		For Class 54 Rating, Add	*239.25*	
		For Class 55 Rating, Add	*359.67*	
		For Class 56 Rating, Add	*478.55*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,484.20	429.74
		For Class 52 Rating, Deduct	*-201.64*	
		For Class 54 Rating, Add	*282.77*	
		For Class 55 Rating, Add	*424.40*	
		For Class 56 Rating, Add	*564.20*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,778.57	432.78
		For Class 52 Rating, Deduct	*-233.51*	
		For Class 54 Rating, Add	*326.29*	
		For Class 55 Rating, Add	*489.13*	
		For Class 56 Rating, Add	*649.84*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,072.95	435.84
		For Class 52 Rating, Deduct	*-265.38*	
		For Class 54 Rating, Add	*369.81*	
		For Class 55 Rating, Add	*553.86*	
		For Class 56 Rating, Add	*735.49*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,367.34	438.89
		For Class 52 Rating, Deduct	*-297.26*	
		For Class 54 Rating, Add	*413.33*	
		For Class 55 Rating, Add	*618.59*	
		For Class 56 Rating, Add	*821.14*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,661.71	441.93
		For Class 52 Rating, Deduct	*-329.13*	
		For Class 54 Rating, Add	*456.85*	
		For Class 55 Rating, Add	*683.31*	
		For Class 56 Rating, Add	*906.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,956.10	444.98
		For Class 52 Rating, Deduct	*-361.01*	
		For Class 54 Rating, Add	*500.37*	
		For Class 55 Rating, Add	*748.04*	
		For Class 56 Rating, Add	*992.43*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,250.48	448.03
		For Class 52 Rating, Deduct	*-392.88*	
		For Class 54 Rating, Add	*543.89*	
		For Class 55 Rating, Add	*812.77*	
		For Class 56 Rating, Add	*1,078.07*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,544.86	451.08
		For Class 52 Rating, Deduct	*-424.76*	
		For Class 54 Rating, Add	*587.41*	
		For Class 55 Rating, Add	*877.50*	
		For Class 56 Rating, Add	*1,163.72*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,839.24	454.12
		For Class 52 Rating, Deduct	*-456.63*	
		For Class 54 Rating, Add	*630.93*	
		For Class 55 Rating, Add	*942.22*	
		For Class 56 Rating, Add	*1,249.37*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,133.62	457.18
		For Class 52 Rating, Deduct	*-488.50*	
		For Class 54 Rating, Add	*674.45*	
		For Class 55 Rating, Add	*1,006.95*	
		For Class 56 Rating, Add	*1,335.01*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,428.01	460.23
		For Class 52 Rating, Deduct	*-520.38*	
		For Class 54 Rating, Add	*717.97*	
		For Class 55 Rating, Add	*1,071.68*	
		For Class 56 Rating, Add	*1,420.66*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,722.38	463.27
		For Class 52 Rating, Deduct	*-552.25*	
		For Class 54 Rating, Add	*761.49*	
		For Class 55 Rating, Add	*1,136.41*	
		For Class 56 Rating, Add	*1,506.30*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,016.77	466.31
		For Class 52 Rating, Deduct	*-584.13*	
		For Class 54 Rating, Add	*805.01*	
		For Class 55 Rating, Add	*1,201.14*	
		For Class 56 Rating, Add	*1,591.95*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,311.15	469.36
		For Class 52 Rating, Deduct	*-616.00*	
		For Class 54 Rating, Add	*848.53*	
		For Class 55 Rating, Add	*1,265.87*	
		For Class 56 Rating, Add	*1,677.60*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,605.52	472.41
		For Class 52 Rating, Deduct	*-647.87*	
		For Class 54 Rating, Add	*892.05*	
		For Class 55 Rating, Add	*1,330.59*	
		For Class 56 Rating, Add	*1,763.24*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,899.91	475.45
		For Class 52 Rating, Deduct	*-679.75*	
		For Class 54 Rating, Add	*935.57*	
		For Class 55 Rating, Add	*1,395.32*	
		For Class 56 Rating, Add	*1,848.89*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,194.29	478.50
		For Class 52 Rating, Deduct	*-711.62*	
		For Class 54 Rating, Add	*979.09*	
		For Class 55 Rating, Add	*1,460.05*	
		For Class 56 Rating, Add	*1,934.54*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,488.67	481.56
		For Class 52 Rating, Deduct	*-743.49*	
		For Class 54 Rating, Add	*1,022.61*	
		For Class 55 Rating, Add	*1,524.78*	
		For Class 56 Rating, Add	*2,020.18*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,783.05	484.60
		For Class 52 Rating, Deduct	*-775.37*	
		For Class 54 Rating, Add	*1,066.13*	
		For Class 55 Rating, Add	*1,589.50*	
		For Class 56 Rating, Add	*2,105.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,077.44	487.65
		For Class 52 Rating, Deduct	*-807.24*	
		For Class 54 Rating, Add	*1,109.65*	
		For Class 55 Rating, Add	*1,654.23*	
		For Class 56 Rating, Add	*2,191.48*	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,371.81	490.70
		For Class 52 Rating, Deduct	*-839.12*	
		For Class 54 Rating, Add	*1,153.17*	
		For Class 55 Rating, Add	*1,718.96*	
		For Class 56 Rating, Add	*2,277.12*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,666.19	493.75
		For Class 52 Rating, Deduct	*-870.99*	
		For Class 54 Rating, Add	*1,196.69*	
		For Class 55 Rating, Add	*1,783.69*	
		For Class 56 Rating, Add	*2,362.77*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,960.58	496.79
		For Class 52 Rating, Deduct	*-902.86*	
		For Class 54 Rating, Add	*1,240.21*	
		For Class 55 Rating, Add	*1,848.42*	
		For Class 56 Rating, Add	*2,448.42*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,254.95	499.84
		For Class 52 Rating, Deduct	*-934.74*	
		For Class 54 Rating, Add	*1,283.73*	
		For Class 55 Rating, Add	*1,913.15*	
		For Class 56 Rating, Add	*2,534.06*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,549.34	502.90
		For Class 52 Rating, Deduct	*-966.61*	
		For Class 54 Rating, Add	*1,327.25*	
		For Class 55 Rating, Add	*1,977.87*	
		For Class 56 Rating, Add	*2,619.71*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,843.72	505.95
		For Class 52 Rating, Deduct	*-998.49*	
		For Class 54 Rating, Add	*1,370.77*	
		For Class 55 Rating, Add	*2,042.60*	
		For Class 56 Rating, Add	*2,705.36*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,138.10	508.98
		For Class 52 Rating, Deduct	*-1,030.36*	
		For Class 54 Rating, Add	*1,414.29*	
		For Class 55 Rating, Add	*2,107.33*	
		For Class 56 Rating, Add	*2,791.00*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,432.48	512.03
		For Class 52 Rating, Deduct	*-1,062.23*	
		For Class 54 Rating, Add	*1,457.81*	
		For Class 55 Rating, Add	*2,172.06*	
		For Class 56 Rating, Add	*2,876.65*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,726.86	515.08
		For Class 52 Rating, Deduct	*-1,094.11*	
		For Class 54 Rating, Add	*1,501.33*	
		For Class 55 Rating, Add	*2,236.79*	
		For Class 56 Rating, Add	*2,962.29*	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,021.25	518.12
		For Class 52 Rating, Deduct	*-1,125.98*	
		For Class 54 Rating, Add	*1,544.85*	
		For Class 55 Rating, Add	*2,301.51*	
		For Class 56 Rating, Add	*3,047.94*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,315.62	521.17
		For Class 52 Rating, Deduct	*-1,157.86*	
		For Class 54 Rating, Add	*1,588.37*	
		For Class 55 Rating, Add	*2,366.24*	
		For Class 56 Rating, Add	*3,133.59*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,610.01	524.22
		For Class 52 Rating, Deduct	*-1,189.73*	
		For Class 54 Rating, Add	*1,631.89*	
		For Class 55 Rating, Add	*2,430.97*	
		For Class 56 Rating, Add	*3,219.23*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,904.39	527.28
		For Class 52 Rating, Deduct	*-1,221.60*	
		For Class 54 Rating, Add	*1,675.41*	
		For Class 55 Rating, Add	*2,495.70*	
		For Class 56 Rating, Add	*3,304.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,198.76	530.32
		For Class 52 Rating, Deduct	*-1,253.48*	
		For Class 54 Rating, Add	*1,718.93*	
		For Class 55 Rating, Add	*2,560.42*	
		For Class 56 Rating, Add	*3,390.53*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,493.16	533.37
		For Class 52 Rating, Deduct	*-1,285.35*	
		For Class 54 Rating, Add	*1,762.45*	
		For Class 55 Rating, Add	*2,625.15*	
		For Class 56 Rating, Add	*3,476.17*	
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,787.53	536.42
		For Class 52 Rating, Deduct	*-1,317.23*	
		For Class 54 Rating, Add	*1,805.97*	
		For Class 55 Rating, Add	*2,689.88*	
		For Class 56 Rating, Add	*3,561.82*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,081.91	539.46
		For Class 52 Rating, Deduct	*-1,349.10*	
		For Class 54 Rating, Add	*1,849.49*	
		For Class 55 Rating, Add	*2,754.61*	
		For Class 56 Rating, Add	*3,647.46*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,376.30	542.51
		For Class 52 Rating, Deduct	*-1,380.97*	
		For Class 54 Rating, Add	*1,893.01*	
		For Class 55 Rating, Add	*2,819.34*	
		For Class 56 Rating, Add	*3,733.11*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,952.18	512.03
		For Class 52 Rating, Deduct	*-239.40*	
		For Class 54 Rating, Add	*335.77*	
		For Class 55 Rating, Add	*503.95*	
		For Class 56 Rating, Add	*669.96*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,309.55	515.08
		For Class 52 Rating, Deduct	*-278.20*	
		For Class 54 Rating, Add	*388.73*	
		For Class 55 Rating, Add	*582.73*	
		For Class 56 Rating, Add	*774.19*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,666.93	518.12
		For Class 52 Rating, Deduct	*-317.01*	
		For Class 54 Rating, Add	*441.70*	
		For Class 55 Rating, Add	*661.50*	
		For Class 56 Rating, Add	*878.42*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,024.30	521.17
		For Class 52 Rating, Deduct	*-355.81*	
		For Class 54 Rating, Add	*494.67*	
		For Class 55 Rating, Add	*740.28*	
		For Class 56 Rating, Add	*982.65*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,381.67	524.22
		For Class 52 Rating, Deduct	*-394.61*	
		For Class 54 Rating, Add	*547.64*	
		For Class 55 Rating, Add	*819.05*	
		For Class 56 Rating, Add	*1,086.87*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,739.05	527.28
		For Class 52 Rating, Deduct	*-433.42*	
		For Class 54 Rating, Add	*600.61*	
		For Class 55 Rating, Add	*897.83*	
		For Class 56 Rating, Add	*1,191.10*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,096.41	530.32
		For Class 52 Rating, Deduct	*-472.22*	
		For Class 54 Rating, Add	*653.58*	
		For Class 55 Rating, Add	*976.60*	
		For Class 56 Rating, Add	*1,295.33*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,453.80	533.37
		For Class 52 Rating, Deduct	*-511.02*	
		For Class 54 Rating, Add	*706.55*	
		For Class 55 Rating, Add	*1,055.38*	
		For Class 56 Rating, Add	*1,399.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,811.17	536.42
		For Class 52 Rating, Deduct	*-549.83*	
		For Class 54 Rating, Add	*759.52*	
		For Class 55 Rating, Add	*1,134.15*	
		For Class 56 Rating, Add	*1,503.79*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,168.54	539.46
		For Class 52 Rating, Deduct	*-588.63*	
		For Class 54 Rating, Add	*812.48*	
		For Class 55 Rating, Add	*1,212.93*	
		For Class 56 Rating, Add	*1,608.02*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,525.92	542.51
		For Class 52 Rating, Deduct	*-627.43*	
		For Class 54 Rating, Add	*865.45*	
		For Class 55 Rating, Add	*1,291.70*	
		For Class 56 Rating, Add	*1,712.25*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,883.28	545.56
		For Class 52 Rating, Deduct	*-666.23*	
		For Class 54 Rating, Add	*918.42*	
		For Class 55 Rating, Add	*1,370.48*	
		For Class 56 Rating, Add	*1,816.48*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,240.67	548.62
		For Class 52 Rating, Deduct	*-705.04*	
		For Class 54 Rating, Add	*971.39*	
		For Class 55 Rating, Add	*1,449.25*	
		For Class 56 Rating, Add	*1,920.71*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,598.03	551.66
		For Class 52 Rating, Deduct	*-743.84*	
		For Class 54 Rating, Add	*1,024.36*	
		For Class 55 Rating, Add	*1,528.03*	
		For Class 56 Rating, Add	*2,024.94*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,955.41	554.71
		For Class 52 Rating, Deduct	*-782.64*	
		For Class 54 Rating, Add	*1,077.33*	
		For Class 55 Rating, Add	*1,606.80*	
		For Class 56 Rating, Add	*2,129.17*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,312.78	557.75
		For Class 52 Rating, Deduct	*-821.45*	
		For Class 54 Rating, Add	*1,130.30*	
		For Class 55 Rating, Add	*1,685.58*	
		For Class 56 Rating, Add	*2,233.39*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,670.15	560.79
		For Class 52 Rating, Deduct	*-860.25*	
		For Class 54 Rating, Add	*1,183.27*	
		For Class 55 Rating, Add	*1,764.36*	
		For Class 56 Rating, Add	*2,337.62*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,027.52	563.84
		For Class 52 Rating, Deduct	*-899.05*	
		For Class 54 Rating, Add	*1,236.23*	
		For Class 55 Rating, Add	*1,843.13*	
		For Class 56 Rating, Add	*2,441.85*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,384.90	566.89
		For Class 52 Rating, Deduct	*-937.86*	
		For Class 54 Rating, Add	*1,289.20*	
		For Class 55 Rating, Add	*1,921.91*	
		For Class 56 Rating, Add	*2,546.08*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,742.27	569.94
		For Class 52 Rating, Deduct	*-976.66*	
		For Class 54 Rating, Add	*1,342.17*	
		For Class 55 Rating, Add	*2,000.68*	
		For Class 56 Rating, Add	*2,650.31*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,099.65	572.98
		For Class 52 Rating, Deduct	*-1,015.46*	
		For Class 54 Rating, Add	*1,395.14*	
		For Class 55 Rating, Add	*2,079.46*	
		For Class 56 Rating, Add	*2,754.54*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,457.01	576.04
		For Class 52 Rating, Deduct	*-1,054.27*	
		For Class 54 Rating, Add	*1,448.11*	
		For Class 55 Rating, Add	*2,158.23*	
		For Class 56 Rating, Add	*2,858.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,814.39	579.09
		For Class 52 Rating, Deduct	*-1,093.07*	
		For Class 54 Rating, Add	*1,501.08*	
		For Class 55 Rating, Add	*2,237.01*	
		For Class 56 Rating, Add	*2,963.00*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,171.76	582.14
		For Class 52 Rating, Deduct	*-1,131.87*	
		For Class 54 Rating, Add	*1,554.05*	
		For Class 55 Rating, Add	*2,315.78*	
		For Class 56 Rating, Add	*3,067.23*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,529.14	585.18
		For Class 52 Rating, Deduct	*-1,170.68*	
		For Class 54 Rating, Add	*1,607.01*	
		For Class 55 Rating, Add	*2,394.56*	
		For Class 56 Rating, Add	*3,171.46*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,886.51	588.23
		For Class 52 Rating, Deduct	*-1,209.48*	
		For Class 54 Rating, Add	*1,659.98*	
		For Class 55 Rating, Add	*2,473.33*	
		For Class 56 Rating, Add	*3,275.68*	
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,243.88	591.28
		For Class 52 Rating, Deduct	*-1,248.28*	
		For Class 54 Rating, Add	*1,712.95*	
		For Class 55 Rating, Add	*2,552.11*	
		For Class 56 Rating, Add	*3,379.91*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,601.25	594.32
		For Class 52 Rating, Deduct	*-1,287.08*	
		For Class 54 Rating, Add	*1,765.92*	
		For Class 55 Rating, Add	*2,630.88*	
		For Class 56 Rating, Add	*3,484.14*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,958.63	597.38
		For Class 52 Rating, Deduct	*-1,325.89*	
		For Class 54 Rating, Add	*1,818.89*	
		For Class 55 Rating, Add	*2,709.66*	
		For Class 56 Rating, Add	*3,588.37*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,316.00	600.42
		For Class 52 Rating, Deduct	*-1,364.69*	
		For Class 54 Rating, Add	*1,871.86*	
		For Class 55 Rating, Add	*2,788.43*	
		For Class 56 Rating, Add	*3,692.60*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,673.37	603.47
		For Class 52 Rating, Deduct	*-1,403.49*	
		For Class 54 Rating, Add	*1,924.83*	
		For Class 55 Rating, Add	*2,867.21*	
		For Class 56 Rating, Add	*3,796.83*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,030.75	606.51
		For Class 52 Rating, Deduct	*-1,442.30*	
		For Class 54 Rating, Add	*1,977.79*	
		For Class 55 Rating, Add	*2,945.98*	
		For Class 56 Rating, Add	*3,901.06*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,388.12	609.56
		For Class 52 Rating, Deduct	*-1,481.10*	
		For Class 54 Rating, Add	*2,030.76*	
		For Class 55 Rating, Add	*3,024.76*	
		For Class 56 Rating, Add	*4,005.29*	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,745.50	612.61
		For Class 52 Rating, Deduct	*-1,519.90*	
		For Class 54 Rating, Add	*2,083.73*	
		For Class 55 Rating, Add	*3,103.53*	
		For Class 56 Rating, Add	*4,109.52*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,102.87	615.65
		For Class 52 Rating, Deduct	*-1,558.71*	
		For Class 54 Rating, Add	*2,136.70*	
		For Class 55 Rating, Add	*3,182.31*	
		For Class 56 Rating, Add	*4,213.75*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,460.24	618.70
		For Class 52 Rating, Deduct	*-1,597.51*	
		For Class 54 Rating, Add	*2,189.67*	
		For Class 55 Rating, Add	*3,261.08*	
		For Class 56 Rating, Add	*4,317.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,817.62	621.76
		For Class 52 Rating, Deduct	*-1,636.31*	
		For Class 54 Rating, Add	*2,242.64*	
		For Class 55 Rating, Add	*3,339.86*	
		For Class 56 Rating, Add	*4,422.20*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,174.99	624.81
		For Class 52 Rating, Deduct	*-1,675.12*	
		For Class 54 Rating, Add	*2,295.61*	
		For Class 55 Rating, Add	*3,418.64*	
		For Class 56 Rating, Add	*4,526.43*	

40 05 19 00-3322 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,453.56	585.18
		For Class 52 Rating, Deduct	*-282.36*	
		For Class 54 Rating, Add	*395.68*	
		For Class 55 Rating, Add	*593.70*	
		For Class 56 Rating, Add	*789.16*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,867.63	588.23
		For Class 52 Rating, Deduct	*-327.40*	
		For Class 54 Rating, Add	*457.15*	
		For Class 55 Rating, Add	*685.12*	
		For Class 56 Rating, Add	*910.11*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,281.69	591.28
		For Class 52 Rating, Deduct	*-372.44*	
		For Class 54 Rating, Add	*518.62*	
		For Class 55 Rating, Add	*776.54*	
		For Class 56 Rating, Add	*1,031.07*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,695.76	594.32
		For Class 52 Rating, Deduct	*-417.48*	
		For Class 54 Rating, Add	*580.10*	
		For Class 55 Rating, Add	*867.96*	
		For Class 56 Rating, Add	*1,152.02*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,109.83	597.38
		For Class 52 Rating, Deduct	*-462.52*	
		For Class 54 Rating, Add	*641.57*	
		For Class 55 Rating, Add	*959.38*	
		For Class 56 Rating, Add	*1,272.98*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,523.89	600.42
		For Class 52 Rating, Deduct	*-507.56*	
		For Class 54 Rating, Add	*703.04*	
		For Class 55 Rating, Add	*1,050.79*	
		For Class 56 Rating, Add	*1,393.93*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,937.95	603.47
		For Class 52 Rating, Deduct	*-552.60*	
		For Class 54 Rating, Add	*764.51*	
		For Class 55 Rating, Add	*1,142.21*	
		For Class 56 Rating, Add	*1,514.88*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,352.03	606.51
		For Class 52 Rating, Deduct	*-597.64*	
		For Class 54 Rating, Add	*825.99*	
		For Class 55 Rating, Add	*1,233.63*	
		For Class 56 Rating, Add	*1,635.84*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,766.09	609.56
		For Class 52 Rating, Deduct	*-642.68*	
		For Class 54 Rating, Add	*887.46*	
		For Class 55 Rating, Add	*1,325.05*	
		For Class 56 Rating, Add	*1,756.79*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,180.16	612.61
		For Class 52 Rating, Deduct	*-687.72*	
		For Class 54 Rating, Add	*948.93*	
		For Class 55 Rating, Add	*1,416.46*	
		For Class 56 Rating, Add	*1,877.74*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,594.22	615.65
		For Class 52 Rating, Deduct	*-732.75*	
		For Class 54 Rating, Add	*1,010.40*	
		For Class 55 Rating, Add	*1,507.88*	
		For Class 56 Rating, Add	*1,998.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,008.28	618.70
		For Class 52 Rating, Deduct	*-777.79*	
		For Class 54 Rating, Add	*1,071.88*	
		For Class 55 Rating, Add	*1,599.30*	
		For Class 56 Rating, Add	*2,119.65*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,422.36	621.76
		For Class 52 Rating, Deduct	*-822.83*	
		For Class 54 Rating, Add	*1,133.35*	
		For Class 55 Rating, Add	*1,690.72*	
		For Class 56 Rating, Add	*2,240.60*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,836.42	624.81
		For Class 52 Rating, Deduct	*-867.87*	
		For Class 54 Rating, Add	*1,194.82*	
		For Class 55 Rating, Add	*1,782.13*	
		For Class 56 Rating, Add	*2,361.56*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,250.48	627.85
		For Class 52 Rating, Deduct	*-912.91*	
		For Class 54 Rating, Add	*1,256.30*	
		For Class 55 Rating, Add	*1,873.55*	
		For Class 56 Rating, Add	*2,482.51*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,664.55	630.90
		For Class 52 Rating, Deduct	*-957.95*	
		For Class 54 Rating, Add	*1,317.77*	
		For Class 55 Rating, Add	*1,964.97*	
		For Class 56 Rating, Add	*2,603.46*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,078.61	633.95
		For Class 52 Rating, Deduct	*-1,002.99*	
		For Class 54 Rating, Add	*1,379.24*	
		For Class 55 Rating, Add	*2,056.39*	
		For Class 56 Rating, Add	*2,724.42*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,492.69	636.99
		For Class 52 Rating, Deduct	*-1,048.03*	
		For Class 54 Rating, Add	*1,440.71*	
		For Class 55 Rating, Add	*2,147.81*	
		For Class 56 Rating, Add	*2,845.37*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,906.75	640.04
		For Class 52 Rating, Deduct	*-1,093.07*	
		For Class 54 Rating, Add	*1,502.19*	
		For Class 55 Rating, Add	*2,239.22*	
		For Class 56 Rating, Add	*2,966.32*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,320.81	643.10
		For Class 52 Rating, Deduct	*-1,138.11*	
		For Class 54 Rating, Add	*1,563.66*	
		For Class 55 Rating, Add	*2,330.64*	
		For Class 56 Rating, Add	*3,087.28*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,734.88	646.15
		For Class 52 Rating, Deduct	*-1,183.15*	
		For Class 54 Rating, Add	*1,625.13*	
		For Class 55 Rating, Add	*2,422.06*	
		For Class 56 Rating, Add	*3,208.23*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,148.94	649.18
		For Class 52 Rating, Deduct	*-1,228.19*	
		For Class 54 Rating, Add	*1,686.60*	
		For Class 55 Rating, Add	*2,513.48*	
		For Class 56 Rating, Add	*3,329.18*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,563.02	652.23
		For Class 52 Rating, Deduct	*-1,273.23*	
		For Class 54 Rating, Add	*1,748.08*	
		For Class 55 Rating, Add	*2,604.89*	
		For Class 56 Rating, Add	*3,450.14*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,977.08	655.28
		For Class 52 Rating, Deduct	*-1,318.27*	
		For Class 54 Rating, Add	*1,809.55*	
		For Class 55 Rating, Add	*2,696.31*	
		For Class 56 Rating, Add	*3,571.09*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,391.14	658.33
		For Class 52 Rating, Deduct	*-1,363.30*	
		For Class 54 Rating, Add	*1,871.02*	
		For Class 55 Rating, Add	*2,787.73*	
		For Class 56 Rating, Add	*3,692.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,805.21	661.37
		For Class 52 Rating, Deduct	*-1,408.34*	
		For Class 54 Rating, Add	*1,932.49*	
		For Class 55 Rating, Add	*2,879.15*	
		For Class 56 Rating, Add	*3,813.00*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,219.27	664.42
		For Class 52 Rating, Deduct	*-1,453.38*	
		For Class 54 Rating, Add	*1,993.97*	
		For Class 55 Rating, Add	*2,970.56*	
		For Class 56 Rating, Add	*3,933.95*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,633.34	667.48
		For Class 52 Rating, Deduct	*-1,498.42*	
		For Class 54 Rating, Add	*2,055.44*	
		For Class 55 Rating, Add	*3,061.98*	
		For Class 56 Rating, Add	*4,054.90*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,047.41	670.52
		For Class 52 Rating, Deduct	*-1,543.46*	
		For Class 54 Rating, Add	*2,116.91*	
		For Class 55 Rating, Add	*3,153.40*	
		For Class 56 Rating, Add	*4,175.86*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,461.48	673.57
		For Class 52 Rating, Deduct	*-1,588.50*	
		For Class 54 Rating, Add	*2,178.38*	
		For Class 55 Rating, Add	*3,244.82*	
		For Class 56 Rating, Add	*4,296.81*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,875.54	676.62
		For Class 52 Rating, Deduct	*-1,633.54*	
		For Class 54 Rating, Add	*2,239.86*	
		For Class 55 Rating, Add	*3,336.23*	
		For Class 56 Rating, Add	*4,417.76*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,289.60	679.67
		For Class 52 Rating, Deduct	*-1,678.58*	
		For Class 54 Rating, Add	*2,301.33*	
		For Class 55 Rating, Add	*3,427.65*	
		For Class 56 Rating, Add	*4,538.72*	
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,703.67	682.71
		For Class 52 Rating, Deduct	*-1,723.62*	
		For Class 54 Rating, Add	*2,362.80*	
		For Class 55 Rating, Add	*3,519.07*	
		For Class 56 Rating, Add	*4,659.67*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,117.74	685.76
		For Class 52 Rating, Deduct	*-1,768.66*	
		For Class 54 Rating, Add	*2,424.27*	
		For Class 55 Rating, Add	*3,610.49*	
		For Class 56 Rating, Add	*4,780.62*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,531.81	688.82
		For Class 52 Rating, Deduct	*-1,813.70*	
		For Class 54 Rating, Add	*2,485.75*	
		For Class 55 Rating, Add	*3,701.91*	
		For Class 56 Rating, Add	*4,901.58*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,945.86	691.84
		For Class 52 Rating, Deduct	*-1,858.74*	
		For Class 54 Rating, Add	*2,547.22*	
		For Class 55 Rating, Add	*3,793.32*	
		For Class 56 Rating, Add	*5,022.53*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,359.93	694.90
		For Class 52 Rating, Deduct	*-1,903.78*	
		For Class 54 Rating, Add	*2,608.69*	
		For Class 55 Rating, Add	*3,884.74*	
		For Class 56 Rating, Add	*5,143.48*	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,774.00	697.95
		For Class 52 Rating, Deduct	*-1,948.82*	
		For Class 54 Rating, Add	*2,670.17*	
		For Class 55 Rating, Add	*3,976.16*	
		For Class 56 Rating, Add	*5,264.44*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,007.19	659.55
		For Class 52 Rating, Deduct	*-330.87*	
		For Class 54 Rating, Add	*463.17*	
		For Class 55 Rating, Add	*694.74*	
		For Class 56 Rating, Add	*923.30*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,484.24	662.60
		For Class 52 Rating, Deduct	*-382.83*	
		For Class 54 Rating, Add	*534.09*	
		For Class 55 Rating, Add	*800.20*	
		For Class 56 Rating, Add	*1,062.83*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,961.30	665.64
		For Class 52 Rating, Deduct	*-434.80*	
		For Class 54 Rating, Add	*605.02*	
		For Class 55 Rating, Add	*905.67*	
		For Class 56 Rating, Add	*1,202.37*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,438.36	668.69
		For Class 52 Rating, Deduct	*-486.77*	
		For Class 54 Rating, Add	*675.94*	
		For Class 55 Rating, Add	*1,011.13*	
		For Class 56 Rating, Add	*1,341.91*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,915.42	671.75
		For Class 52 Rating, Deduct	*-538.74*	
		For Class 54 Rating, Add	*746.86*	
		For Class 55 Rating, Add	*1,116.60*	
		For Class 56 Rating, Add	*1,481.44*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,392.48	674.79
		For Class 52 Rating, Deduct	*-590.71*	
		For Class 54 Rating, Add	*817.78*	
		For Class 55 Rating, Add	*1,222.06*	
		For Class 56 Rating, Add	*1,620.98*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,869.54	677.84
		For Class 52 Rating, Deduct	*-642.68*	
		For Class 54 Rating, Add	*888.70*	
		For Class 55 Rating, Add	*1,327.53*	
		For Class 56 Rating, Add	*1,760.51*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,346.59	680.88
		For Class 52 Rating, Deduct	*-694.64*	
		For Class 54 Rating, Add	*959.62*	
		For Class 55 Rating, Add	*1,432.99*	
		For Class 56 Rating, Add	*1,900.05*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,823.65	683.93
		For Class 52 Rating, Deduct	*-746.61*	
		For Class 54 Rating, Add	*1,030.54*	
		For Class 55 Rating, Add	*1,538.46*	
		For Class 56 Rating, Add	*2,039.59*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,300.71	686.97
		For Class 52 Rating, Deduct	*-798.58*	
		For Class 54 Rating, Add	*1,101.47*	
		For Class 55 Rating, Add	*1,643.92*	
		For Class 56 Rating, Add	*2,179.12*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,777.76	690.02
		For Class 52 Rating, Deduct	*-850.55*	
		For Class 54 Rating, Add	*1,172.39*	
		For Class 55 Rating, Add	*1,749.39*	
		For Class 56 Rating, Add	*2,318.66*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,254.83	693.07
		For Class 52 Rating, Deduct	*-902.52*	
		For Class 54 Rating, Add	*1,243.31*	
		For Class 55 Rating, Add	*1,854.85*	
		For Class 56 Rating, Add	*2,458.19*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,731.88	696.11
		For Class 52 Rating, Deduct	*-954.49*	
		For Class 54 Rating, Add	*1,314.23*	
		For Class 55 Rating, Add	*1,960.32*	
		For Class 56 Rating, Add	*2,597.73*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,208.94	699.17
		For Class 52 Rating, Deduct	*-1,006.45*	
		For Class 54 Rating, Add	*1,385.15*	
		For Class 55 Rating, Add	*2,065.78*	
		For Class 56 Rating, Add	*2,737.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,686.00	702.22
		For Class 52 Rating, Deduct	*-1,058.42*	
		For Class 54 Rating, Add	*1,456.07*	
		For Class 55 Rating, Add	*2,171.25*	
		For Class 56 Rating, Add	*2,876.80*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,163.05	705.27
		For Class 52 Rating, Deduct	*-1,110.39*	
		For Class 54 Rating, Add	*1,526.99*	
		For Class 55 Rating, Add	*2,276.71*	
		For Class 56 Rating, Add	*3,016.34*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,640.12	708.31
		For Class 52 Rating, Deduct	*-1,162.36*	
		For Class 54 Rating, Add	*1,597.92*	
		For Class 55 Rating, Add	*2,382.18*	
		For Class 56 Rating, Add	*3,155.87*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,117.17	711.36
		For Class 52 Rating, Deduct	*-1,214.33*	
		For Class 54 Rating, Add	*1,668.84*	
		For Class 55 Rating, Add	*2,487.64*	
		For Class 56 Rating, Add	*3,295.41*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,594.22	714.41
		For Class 52 Rating, Deduct	*-1,266.30*	
		For Class 54 Rating, Add	*1,739.76*	
		For Class 55 Rating, Add	*2,593.11*	
		For Class 56 Rating, Add	*3,434.95*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,071.29	717.45
		For Class 52 Rating, Deduct	*-1,318.27*	
		For Class 54 Rating, Add	*1,810.68*	
		For Class 55 Rating, Add	*2,698.57*	
		For Class 56 Rating, Add	*3,574.48*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,548.34	720.51
		For Class 52 Rating, Deduct	*-1,370.23*	
		For Class 54 Rating, Add	*1,881.60*	
		For Class 55 Rating, Add	*2,804.04*	
		For Class 56 Rating, Add	*3,714.02*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,025.41	723.56
		For Class 52 Rating, Deduct	*-1,422.20*	
		For Class 54 Rating, Add	*1,952.52*	
		For Class 55 Rating, Add	*2,909.50*	
		For Class 56 Rating, Add	*3,853.55*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,502.46	726.60
		For Class 52 Rating, Deduct	*-1,474.17*	
		For Class 54 Rating, Add	*2,023.44*	
		For Class 55 Rating, Add	*3,014.97*	
		For Class 56 Rating, Add	*3,993.09*	
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,979.51	729.64
		For Class 52 Rating, Deduct	*-1,526.14*	
		For Class 54 Rating, Add	*2,094.36*	
		For Class 55 Rating, Add	*3,120.43*	
		For Class 56 Rating, Add	*4,132.63*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,456.58	732.69
		For Class 52 Rating, Deduct	*-1,578.11*	
		For Class 54 Rating, Add	*2,165.29*	
		For Class 55 Rating, Add	*3,225.90*	
		For Class 56 Rating, Add	*4,272.16*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,933.63	735.74
		For Class 52 Rating, Deduct	*-1,630.08*	
		For Class 54 Rating, Add	*2,236.21*	
		For Class 55 Rating, Add	*3,331.36*	
		For Class 56 Rating, Add	*4,411.70*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,410.70	738.79
		For Class 52 Rating, Deduct	*-1,682.04*	
		For Class 54 Rating, Add	*2,307.13*	
		For Class 55 Rating, Add	*3,436.83*	
		For Class 56 Rating, Add	*4,551.23*	
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,887.75	741.83
		For Class 52 Rating, Deduct	*-1,734.01*	
		For Class 54 Rating, Add	*2,378.05*	
		For Class 55 Rating, Add	*3,542.29*	
		For Class 56 Rating, Add	*4,690.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,364.81	744.89
		For Class 52 Rating, Deduct	*-1,785.98*	
		For Class 54 Rating, Add	*2,448.97*	
		For Class 55 Rating, Add	*3,647.76*	
		For Class 56 Rating, Add	*4,830.31*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,841.87	747.94
		For Class 52 Rating, Deduct	*-1,837.95*	
		For Class 54 Rating, Add	*2,519.89*	
		For Class 55 Rating, Add	*3,753.22*	
		For Class 56 Rating, Add	*4,969.84*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,318.92	750.98
		For Class 52 Rating, Deduct	*-1,889.92*	
		For Class 54 Rating, Add	*2,590.81*	
		For Class 55 Rating, Add	*3,858.69*	
		For Class 56 Rating, Add	*5,109.38*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,795.98	754.03
		For Class 52 Rating, Deduct	*-1,941.89*	
		For Class 54 Rating, Add	*2,661.74*	
		For Class 55 Rating, Add	*3,964.15*	
		For Class 56 Rating, Add	*5,248.91*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,273.04	757.08
		For Class 52 Rating, Deduct	*-1,993.85*	
		For Class 54 Rating, Add	*2,732.66*	
		For Class 55 Rating, Add	*4,069.62*	
		For Class 56 Rating, Add	*5,388.45*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,750.10	760.13
		For Class 52 Rating, Deduct	*-2,045.82*	
		For Class 54 Rating, Add	*2,803.58*	
		For Class 55 Rating, Add	*4,175.08*	
		For Class 56 Rating, Add	*5,527.99*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,227.16	763.17
		For Class 52 Rating, Deduct	*-2,097.79*	
		For Class 54 Rating, Add	*2,874.50*	
		For Class 55 Rating, Add	*4,280.55*	
		For Class 56 Rating, Add	*5,667.52*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,704.21	766.23
		For Class 52 Rating, Deduct	*-2,149.76*	
		For Class 54 Rating, Add	*2,945.42*	
		For Class 55 Rating, Add	*4,386.01*	
		For Class 56 Rating, Add	*5,807.06*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,181.27	769.28
		For Class 52 Rating, Deduct	*-2,201.73*	
		For Class 54 Rating, Add	*3,016.34*	
		For Class 55 Rating, Add	*4,491.48*	
		For Class 56 Rating, Add	*5,946.59*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,658.33	772.31
		For Class 52 Rating, Deduct	*-2,253.70*	
		For Class 54 Rating, Add	*3,087.26*	
		For Class 55 Rating, Add	*4,596.94*	
		For Class 56 Rating, Add	*6,086.13*	

40 05 19 00-3400 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,668.17	752.81
		For Class 52 Rating, Deduct	*-388.03*	
		For Class 54 Rating, Add	*542.82*	
		For Class 55 Rating, Add	*814.02*	
		For Class 56 Rating, Add	*1,081.69*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,211.37	755.86
		For Class 52 Rating, Deduct	*-447.27*	
		For Class 54 Rating, Add	*623.66*	
		For Class 55 Rating, Add	*934.23*	
		For Class 56 Rating, Add	*1,240.74*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,754.58	758.90
		For Class 52 Rating, Deduct	*-506.52*	
		For Class 54 Rating, Add	*704.51*	
		For Class 55 Rating, Add	*1,054.45*	
		For Class 56 Rating, Add	*1,399.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,297.77	761.96
		For Class 52 Rating, Deduct	*-565.76*	
		For Class 54 Rating, Add	*785.35*	
		For Class 55 Rating, Add	*1,174.66*	
		For Class 56 Rating, Add	*1,558.83*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,840.98	765.01
		For Class 52 Rating, Deduct	*-625.01*	
		For Class 54 Rating, Add	*866.19*	
		For Class 55 Rating, Add	*1,294.88*	
		For Class 56 Rating, Add	*1,717.88*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,384.17	768.05
		For Class 52 Rating, Deduct	*-684.25*	
		For Class 54 Rating, Add	*947.03*	
		For Class 55 Rating, Add	*1,415.09*	
		For Class 56 Rating, Add	*1,876.93*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,927.37	771.10
		For Class 52 Rating, Deduct	*-743.49*	
		For Class 54 Rating, Add	*1,027.88*	
		For Class 55 Rating, Add	*1,535.31*	
		For Class 56 Rating, Add	*2,035.98*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,470.57	774.15
		For Class 52 Rating, Deduct	*-802.74*	
		For Class 54 Rating, Add	*1,108.72*	
		For Class 55 Rating, Add	*1,655.52*	
		For Class 56 Rating, Add	*2,195.02*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,013.76	777.20
		For Class 52 Rating, Deduct	*-861.98*	
		For Class 54 Rating, Add	*1,189.56*	
		For Class 55 Rating, Add	*1,775.73*	
		For Class 56 Rating, Add	*2,354.07*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,556.98	780.23
		For Class 52 Rating, Deduct	*-921.23*	
		For Class 54 Rating, Add	*1,270.40*	
		For Class 55 Rating, Add	*1,895.95*	
		For Class 56 Rating, Add	*2,513.12*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,100.17	783.28
		For Class 52 Rating, Deduct	*-980.47*	
		For Class 54 Rating, Add	*1,351.25*	
		For Class 55 Rating, Add	*2,016.16*	
		For Class 56 Rating, Add	*2,672.17*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,643.37	786.34
		For Class 52 Rating, Deduct	*-1,039.71*	
		For Class 54 Rating, Add	*1,432.09*	
		For Class 55 Rating, Add	*2,136.38*	
		For Class 56 Rating, Add	*2,831.22*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,186.57	789.38
		For Class 52 Rating, Deduct	*-1,098.96*	
		For Class 54 Rating, Add	*1,512.93*	
		For Class 55 Rating, Add	*2,256.59*	
		For Class 56 Rating, Add	*2,990.26*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,729.76	792.43
		For Class 52 Rating, Deduct	*-1,158.20*	
		For Class 54 Rating, Add	*1,593.77*	
		For Class 55 Rating, Add	*2,376.81*	
		For Class 56 Rating, Add	*3,149.31*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,272.96	795.48
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,674.62*	
		For Class 55 Rating, Add	*2,497.02*	
		For Class 56 Rating, Add	*3,308.36*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,816.17	798.53
		For Class 52 Rating, Deduct	*-1,276.69*	
		For Class 54 Rating, Add	*1,755.46*	
		For Class 55 Rating, Add	*2,617.24*	
		For Class 56 Rating, Add	*3,467.41*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,359.37	801.57
		For Class 52 Rating, Deduct	*-1,335.93*	
		For Class 54 Rating, Add	*1,836.30*	
		For Class 55 Rating, Add	*2,737.45*	
		For Class 56 Rating, Add	*3,626.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,902.57	804.62
		For Class 52 Rating, Deduct	*-1,395.18*	
		For Class 54 Rating, Add	*1,917.15*	
		For Class 55 Rating, Add	*2,857.67*	
		For Class 56 Rating, Add	*3,785.50*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,445.77	807.68
		For Class 52 Rating, Deduct	*-1,454.42*	
		For Class 54 Rating, Add	*1,997.99*	
		For Class 55 Rating, Add	*2,977.88*	
		For Class 56 Rating, Add	*3,944.55*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,988.96	810.73
		For Class 52 Rating, Deduct	*-1,513.67*	
		For Class 54 Rating, Add	*2,078.83*	
		For Class 55 Rating, Add	*3,098.09*	
		For Class 56 Rating, Add	*4,103.60*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,532.16	813.77
		For Class 52 Rating, Deduct	*-1,572.91*	
		For Class 54 Rating, Add	*2,159.67*	
		For Class 55 Rating, Add	*3,218.31*	
		For Class 56 Rating, Add	*4,262.65*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,075.37	816.82
		For Class 52 Rating, Deduct	*-1,632.15*	
		For Class 54 Rating, Add	*2,240.52*	
		For Class 55 Rating, Add	*3,338.53*	
		For Class 56 Rating, Add	*4,421.70*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,618.56	819.87
		For Class 52 Rating, Deduct	*-1,691.40*	
		For Class 54 Rating, Add	*2,321.36*	
		For Class 55 Rating, Add	*3,458.74*	
		For Class 56 Rating, Add	*4,580.74*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,161.77	822.90
		For Class 52 Rating, Deduct	*-1,750.64*	
		For Class 54 Rating, Add	*2,402.20*	
		For Class 55 Rating, Add	*3,578.95*	
		For Class 56 Rating, Add	*4,739.79*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,704.96	825.95
		For Class 52 Rating, Deduct	*-1,809.89*	
		For Class 54 Rating, Add	*2,483.04*	
		For Class 55 Rating, Add	*3,699.17*	
		For Class 56 Rating, Add	*4,898.84*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,248.16	829.00
		For Class 52 Rating, Deduct	*-1,869.13*	
		For Class 54 Rating, Add	*2,563.89*	
		For Class 55 Rating, Add	*3,819.38*	
		For Class 56 Rating, Add	*5,057.89*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,791.36	832.06
		For Class 52 Rating, Deduct	*-1,928.37*	
		For Class 54 Rating, Add	*2,644.73*	
		For Class 55 Rating, Add	*3,939.60*	
		For Class 56 Rating, Add	*5,216.93*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,334.56	835.10
		For Class 52 Rating, Deduct	*-1,987.62*	
		For Class 54 Rating, Add	*2,725.57*	
		For Class 55 Rating, Add	*4,059.81*	
		For Class 56 Rating, Add	*5,375.98*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,877.77	838.15
		For Class 52 Rating, Deduct	*-2,046.86*	
		For Class 54 Rating, Add	*2,806.42*	
		For Class 55 Rating, Add	*4,180.03*	
		For Class 56 Rating, Add	*5,535.03*	
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,420.96	841.20
		For Class 52 Rating, Deduct	*-2,106.11*	
		For Class 54 Rating, Add	*2,887.26*	
		For Class 55 Rating, Add	*4,300.24*	
		For Class 56 Rating, Add	*5,694.08*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,964.16	844.24
		For Class 52 Rating, Deduct	*-2,165.35*	
		For Class 54 Rating, Add	*2,968.10*	
		For Class 55 Rating, Add	*4,420.45*	
		For Class 56 Rating, Add	*5,853.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,507.36	847.29
		For Class 52 Rating, Deduct	*-2,224.59*	
		For Class 54 Rating, Add	*3,048.94*	
		For Class 55 Rating, Add	*4,540.67*	
		For Class 56 Rating, Add	*6,012.17*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,050.55	850.34
		For Class 52 Rating, Deduct	*-2,283.84*	
		For Class 54 Rating, Add	*3,129.78*	
		For Class 55 Rating, Add	*4,660.88*	
		For Class 56 Rating, Add	*6,171.22*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,593.76	853.40
		For Class 52 Rating, Deduct	*-2,343.08*	
		For Class 54 Rating, Add	*3,210.63*	
		For Class 55 Rating, Add	*4,781.10*	
		For Class 56 Rating, Add	*6,330.27*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,136.96	856.44
		For Class 52 Rating, Deduct	*-2,402.33*	
		For Class 54 Rating, Add	*3,291.47*	
		For Class 55 Rating, Add	*4,901.31*	
		For Class 56 Rating, Add	*6,489.32*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,680.16	859.49
		For Class 52 Rating, Deduct	*-2,461.57*	
		For Class 54 Rating, Add	*3,372.31*	
		For Class 55 Rating, Add	*5,021.53*	
		For Class 56 Rating, Add	*6,648.36*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,223.36	862.54
		For Class 52 Rating, Deduct	*-2,520.81*	
		For Class 54 Rating, Add	*3,453.16*	
		For Class 55 Rating, Add	*5,141.74*	
		For Class 56 Rating, Add	*6,807.41*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,766.55	865.57
		For Class 52 Rating, Deduct	*-2,580.06*	
		For Class 54 Rating, Add	*3,534.00*	
		For Class 55 Rating, Add	*5,261.96*	
		For Class 56 Rating, Add	*6,966.46*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,751.57	889.96
		For Class 52 Rating, Deduct	*-484.35*	
		For Class 54 Rating, Add	*676.65*	
		For Class 55 Rating, Add	*1,014.26*	
		For Class 56 Rating, Add	*1,347.47*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,423.91	893.01
		For Class 52 Rating, Deduct	*-557.79*	
		For Class 54 Rating, Add	*776.87*	
		For Class 55 Rating, Add	*1,163.27*	
		For Class 56 Rating, Add	*1,544.61*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,096.23	896.06
		For Class 52 Rating, Deduct	*-631.24*	
		For Class 54 Rating, Add	*877.08*	
		For Class 55 Rating, Add	*1,312.28*	
		For Class 56 Rating, Add	*1,741.75*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,768.57	899.10
		For Class 52 Rating, Deduct	*-704.69*	
		For Class 54 Rating, Add	*977.29*	
		For Class 55 Rating, Add	*1,461.30*	
		For Class 56 Rating, Add	*1,938.90*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,440.90	902.16
		For Class 52 Rating, Deduct	*-778.14*	
		For Class 54 Rating, Add	*1,077.50*	
		For Class 55 Rating, Add	*1,610.31*	
		For Class 56 Rating, Add	*2,136.04*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,113.24	905.21
		For Class 52 Rating, Deduct	*-851.59*	
		For Class 54 Rating, Add	*1,177.72*	
		For Class 55 Rating, Add	*1,759.32*	
		For Class 56 Rating, Add	*2,333.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,785.56	908.26
		For Class 52 Rating, Deduct	*-925.04*	
		For Class 54 Rating, Add	*1,277.93*	
		For Class 55 Rating, Add	*1,908.33*	
		For Class 56 Rating, Add	*2,530.32*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,457.90	911.29
		For Class 52 Rating, Deduct	*-998.49*	
		For Class 54 Rating, Add	*1,378.14*	
		For Class 55 Rating, Add	*2,057.34*	
		For Class 56 Rating, Add	*2,727.47*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,130.23	914.34
		For Class 52 Rating, Deduct	*-1,071.93*	
		For Class 54 Rating, Add	*1,478.35*	
		For Class 55 Rating, Add	*2,206.35*	
		For Class 56 Rating, Add	*2,924.61*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,802.57	917.39
		For Class 52 Rating, Deduct	*-1,145.38*	
		For Class 54 Rating, Add	*1,578.57*	
		For Class 55 Rating, Add	*2,355.37*	
		For Class 56 Rating, Add	*3,121.75*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,474.90	920.43
		For Class 52 Rating, Deduct	*-1,218.83*	
		For Class 54 Rating, Add	*1,678.78*	
		For Class 55 Rating, Add	*2,504.38*	
		For Class 56 Rating, Add	*3,318.89*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,147.23	923.48
		For Class 52 Rating, Deduct	*-1,292.28*	
		For Class 54 Rating, Add	*1,778.99*	
		For Class 55 Rating, Add	*2,653.39*	
		For Class 56 Rating, Add	*3,516.03*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,819.57	926.54
		For Class 52 Rating, Deduct	*-1,365.73*	
		For Class 54 Rating, Add	*1,879.20*	
		For Class 55 Rating, Add	*2,802.40*	
		For Class 56 Rating, Add	*3,713.18*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,491.90	929.59
		For Class 52 Rating, Deduct	*-1,439.18*	
		For Class 54 Rating, Add	*1,979.42*	
		For Class 55 Rating, Add	*2,951.41*	
		For Class 56 Rating, Add	*3,910.32*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,164.23	932.63
		For Class 52 Rating, Deduct	*-1,512.63*	
		For Class 54 Rating, Add	*2,079.63*	
		For Class 55 Rating, Add	*3,100.42*	
		For Class 56 Rating, Add	*4,107.46*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,836.57	935.68
		For Class 52 Rating, Deduct	*-1,586.08*	
		For Class 54 Rating, Add	*2,179.84*	
		For Class 55 Rating, Add	*3,249.43*	
		For Class 56 Rating, Add	*4,304.60*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,508.89	938.73
		For Class 52 Rating, Deduct	*-1,659.52*	
		For Class 54 Rating, Add	*2,280.05*	
		For Class 55 Rating, Add	*3,398.44*	
		For Class 56 Rating, Add	*4,501.74*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,181.24	941.77
		For Class 52 Rating, Deduct	*-1,732.97*	
		For Class 54 Rating, Add	*2,380.27*	
		For Class 55 Rating, Add	*3,547.46*	
		For Class 56 Rating, Add	*4,698.89*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,853.56	944.82
		For Class 52 Rating, Deduct	*-1,806.42*	
		For Class 54 Rating, Add	*2,480.48*	
		For Class 55 Rating, Add	*3,696.47*	
		For Class 56 Rating, Add	*4,896.03*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,525.89	947.88
		For Class 52 Rating, Deduct	*-1,879.87*	
		For Class 54 Rating, Add	*2,580.69*	
		For Class 55 Rating, Add	*3,845.48*	
		For Class 56 Rating, Add	*5,093.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,198.23	950.93
		For Class 52 Rating, Deduct	*-1,953.32*	
		For Class 54 Rating, Add	*2,680.91*	
		For Class 55 Rating, Add	*3,994.49*	
		For Class 56 Rating, Add	*5,290.31*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,870.56	953.96
		For Class 52 Rating, Deduct	*-2,026.77*	
		For Class 54 Rating, Add	*2,781.12*	
		For Class 55 Rating, Add	*4,143.50*	
		For Class 56 Rating, Add	*5,487.46*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,542.91	957.01
		For Class 52 Rating, Deduct	*-2,100.22*	
		For Class 54 Rating, Add	*2,881.33*	
		For Class 55 Rating, Add	*4,292.51*	
		For Class 56 Rating, Add	*5,684.60*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,215.23	960.06
		For Class 52 Rating, Deduct	*-2,173.66*	
		For Class 54 Rating, Add	*2,981.54*	
		For Class 55 Rating, Add	*4,441.52*	
		For Class 56 Rating, Add	*5,881.74*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,887.56	963.11
		For Class 52 Rating, Deduct	*-2,247.11*	
		For Class 54 Rating, Add	*3,081.76*	
		For Class 55 Rating, Add	*4,590.54*	
		For Class 56 Rating, Add	*6,078.88*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,559.90	966.15
		For Class 52 Rating, Deduct	*-2,320.56*	
		For Class 54 Rating, Add	*3,181.97*	
		For Class 55 Rating, Add	*4,739.55*	
		For Class 56 Rating, Add	*6,276.03*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,232.23	969.20
		For Class 52 Rating, Deduct	*-2,394.01*	
		For Class 54 Rating, Add	*3,282.18*	
		For Class 55 Rating, Add	*4,888.56*	
		For Class 56 Rating, Add	*6,473.17*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,904.56	972.26
		For Class 52 Rating, Deduct	*-2,467.46*	
		For Class 54 Rating, Add	*3,382.39*	
		For Class 55 Rating, Add	*5,037.57*	
		For Class 56 Rating, Add	*6,670.31*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,576.90	975.30
		For Class 52 Rating, Deduct	*-2,540.91*	
		For Class 54 Rating, Add	*3,482.61*	
		For Class 55 Rating, Add	*5,186.58*	
		For Class 56 Rating, Add	*6,867.45*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,327.73	1,030.16
		For Class 52 Rating, Deduct	*-2,614.36*	
		For Class 54 Rating, Add	*3,583.76*	
		For Class 55 Rating, Add	*5,337.47*	
		For Class 56 Rating, Add	*7,067.42*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,000.07	1,033.21
		For Class 52 Rating, Deduct	*-2,687.81*	
		For Class 54 Rating, Add	*3,683.98*	
		For Class 55 Rating, Add	*5,486.49*	
		For Class 56 Rating, Add	*7,264.56*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,672.39	1,036.26
		For Class 52 Rating, Deduct	*-2,761.25*	
		For Class 54 Rating, Add	*3,784.19*	
		For Class 55 Rating, Add	*5,635.50*	
		For Class 56 Rating, Add	*7,461.70*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,344.74	1,039.32
		For Class 52 Rating, Deduct	*-2,834.70*	
		For Class 54 Rating, Add	*3,884.40*	
		For Class 55 Rating, Add	*5,784.51*	
		For Class 56 Rating, Add	*7,658.85*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,017.06	1,042.35
		For Class 52 Rating, Deduct	*-2,908.15*	
		For Class 54 Rating, Add	*3,984.61*	
		For Class 55 Rating, Add	*5,933.52*	
		For Class 56 Rating, Add	*7,855.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,839.00	1,045.40
		For Class 52 Rating, Deduct	*-3,328.06*	
		For Class 54 Rating, Add	*4,557.27*	
		For Class 55 Rating, Add	*6,784.89*	
		For Class 56 Rating, Add	*8,982.26*	
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,361.73	1,048.45
		For Class 52 Rating, Deduct	*-3,055.05*	
		For Class 54 Rating, Add	*4,185.04*	
		For Class 55 Rating, Add	*6,231.54*	
		For Class 56 Rating, Add	*8,250.27*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,034.06	1,051.49
		For Class 52 Rating, Deduct	*-3,128.50*	
		For Class 54 Rating, Add	*4,285.25*	
		For Class 55 Rating, Add	*6,380.55*	
		For Class 56 Rating, Add	*8,447.42*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,706.40	1,054.54
		For Class 52 Rating, Deduct	*-3,201.95*	
		For Class 54 Rating, Add	*4,385.46*	
		For Class 55 Rating, Add	*6,529.57*	
		For Class 56 Rating, Add	*8,644.56*	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,757.68	1,255.71
		For Class 52 Rating, Deduct	*-864.06*	
		For Class 54 Rating, Add	*1,201.10*	
		For Class 55 Rating, Add	*1,797.35*	
		For Class 56 Rating, Add	*2,385.75*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,719.77	1,258.75
		For Class 52 Rating, Deduct	*-969.38*	
		For Class 54 Rating, Add	*1,344.77*	
		For Class 55 Rating, Add	*2,010.98*	
		For Class 56 Rating, Add	*2,668.37*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,681.88	1,261.80
		For Class 52 Rating, Deduct	*-1,074.71*	
		For Class 54 Rating, Add	*1,488.45*	
		For Class 55 Rating, Add	*2,224.61*	
		For Class 56 Rating, Add	*2,950.99*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,643.97	1,264.85
		For Class 52 Rating, Deduct	*-1,180.03*	
		For Class 54 Rating, Add	*1,632.13*	
		For Class 55 Rating, Add	*2,438.24*	
		For Class 56 Rating, Add	*3,233.62*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,606.06	1,267.90
		For Class 52 Rating, Deduct	*-1,285.35*	
		For Class 54 Rating, Add	*1,775.81*	
		For Class 55 Rating, Add	*2,651.86*	
		For Class 56 Rating, Add	*3,516.24*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,568.16	1,270.93
		For Class 52 Rating, Deduct	*-1,390.67*	
		For Class 54 Rating, Add	*1,919.48*	
		For Class 55 Rating, Add	*2,865.49*	
		For Class 56 Rating, Add	*3,798.86*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,530.25	1,273.98
		For Class 52 Rating, Deduct	*-1,496.00*	
		For Class 54 Rating, Add	*2,063.16*	
		For Class 55 Rating, Add	*3,079.12*	
		For Class 56 Rating, Add	*4,081.48*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,492.36	1,277.04
		For Class 52 Rating, Deduct	*-1,601.32*	
		For Class 54 Rating, Add	*2,206.84*	
		For Class 55 Rating, Add	*3,292.75*	
		For Class 56 Rating, Add	*4,364.10*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,454.45	1,280.08
		For Class 52 Rating, Deduct	*-1,706.64*	
		For Class 54 Rating, Add	*2,350.51*	
		For Class 55 Rating, Add	*3,506.38*	
		For Class 56 Rating, Add	*4,646.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,416.54	1,283.13
		For Class 52 Rating, Deduct	*-1,811.97*	
		For Class 54 Rating, Add	*2,494.19*	
		For Class 55 Rating, Add	*3,720.01*	
		For Class 56 Rating, Add	*4,929.35*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,378.65	1,286.18
		For Class 52 Rating, Deduct	*-1,917.29*	
		For Class 54 Rating, Add	*2,637.87*	
		For Class 55 Rating, Add	*3,933.64*	
		For Class 56 Rating, Add	*5,211.97*	
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,340.73	1,289.23
		For Class 52 Rating, Deduct	*-2,022.61*	
		For Class 54 Rating, Add	*2,781.54*	
		For Class 55 Rating, Add	*4,147.26*	
		For Class 56 Rating, Add	*5,494.59*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,302.83	1,292.27
		For Class 52 Rating, Deduct	*-2,127.93*	
		For Class 54 Rating, Add	*2,925.22*	
		For Class 55 Rating, Add	*4,360.89*	
		For Class 56 Rating, Add	*5,777.22*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,264.93	1,295.32
		For Class 52 Rating, Deduct	*-2,233.26*	
		For Class 54 Rating, Add	*3,068.90*	
		For Class 55 Rating, Add	*4,574.52*	
		For Class 56 Rating, Add	*6,059.84*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,227.02	1,298.38
		For Class 52 Rating, Deduct	*-2,338.58*	
		For Class 54 Rating, Add	*3,212.58*	
		For Class 55 Rating, Add	*4,788.15*	
		For Class 56 Rating, Add	*6,342.46*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,189.13	1,301.42
		For Class 52 Rating, Deduct	*-2,443.90*	
		For Class 54 Rating, Add	*3,356.25*	
		For Class 55 Rating, Add	*5,001.78*	
		For Class 56 Rating, Add	*6,625.08*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,151.22	1,304.47
		For Class 52 Rating, Deduct	*-2,549.22*	
		For Class 54 Rating, Add	*3,499.93*	
		For Class 55 Rating, Add	*5,215.41*	
		For Class 56 Rating, Add	*6,907.71*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,113.32	1,307.52
		For Class 52 Rating, Deduct	*-2,654.55*	
		For Class 54 Rating, Add	*3,643.61*	
		For Class 55 Rating, Add	*5,429.04*	
		For Class 56 Rating, Add	*7,190.33*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,075.41	1,310.57
		For Class 52 Rating, Deduct	*-2,759.87*	
		For Class 54 Rating, Add	*3,787.28*	
		For Class 55 Rating, Add	*5,642.66*	
		For Class 56 Rating, Add	*7,472.95*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,037.51	1,313.60
		For Class 52 Rating, Deduct	*-2,865.19*	
		For Class 54 Rating, Add	*3,930.96*	
		For Class 55 Rating, Add	*5,856.29*	
		For Class 56 Rating, Add	*7,755.57*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,999.61	1,316.65
		For Class 52 Rating, Deduct	*-2,970.51*	
		For Class 54 Rating, Add	*4,074.64*	
		For Class 55 Rating, Add	*6,069.92*	
		For Class 56 Rating, Add	*8,038.20*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,961.70	1,319.70
		For Class 52 Rating, Deduct	*-3,075.84*	
		For Class 54 Rating, Add	*4,218.32*	
		For Class 55 Rating, Add	*6,283.55*	
		For Class 56 Rating, Add	*8,320.82*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,923.80	1,322.74
		For Class 52 Rating, Deduct	*-3,181.16*	
		For Class 54 Rating, Add	*4,361.99*	
		For Class 55 Rating, Add	*6,497.18*	
		For Class 56 Rating, Add	*8,603.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,885.90	1,325.80
		For Class 52 Rating, Deduct	*-3,286.48*	
		For Class 54 Rating, Add	*4,505.67*	
		For Class 55 Rating, Add	*6,710.81*	
		For Class 56 Rating, Add	*8,886.06*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,847.99	1,328.85
		For Class 52 Rating, Deduct	*-3,391.80*	
		For Class 54 Rating, Add	*4,649.35*	
		For Class 55 Rating, Add	*6,924.43*	
		For Class 56 Rating, Add	*9,168.68*	
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,810.08	1,331.90
		For Class 52 Rating, Deduct	*-3,497.13*	
		For Class 54 Rating, Add	*4,793.03*	
		For Class 55 Rating, Add	*7,138.06*	
		For Class 56 Rating, Add	*9,451.31*	
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,772.18	1,334.94
		For Class 52 Rating, Deduct	*-3,602.45*	
		For Class 54 Rating, Add	*4,936.70*	
		For Class 55 Rating, Add	*7,351.69*	
		For Class 56 Rating, Add	*9,733.93*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,734.28	1,337.99
		For Class 52 Rating, Deduct	*-3,707.77*	
		For Class 54 Rating, Add	*5,080.38*	
		For Class 55 Rating, Add	*7,565.32*	
		For Class 56 Rating, Add	*10,016.55*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,696.38	1,341.04
		For Class 52 Rating, Deduct	*-3,813.10*	
		For Class 54 Rating, Add	*5,224.06*	
		For Class 55 Rating, Add	*7,778.95*	
		For Class 56 Rating, Add	*10,299.18*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,658.48	1,344.10
		For Class 52 Rating, Deduct	*-3,918.42*	
		For Class 54 Rating, Add	*5,367.74*	
		For Class 55 Rating, Add	*7,992.58*	
		For Class 56 Rating, Add	*10,581.80*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,620.56	1,347.14
		For Class 52 Rating, Deduct	*-4,023.74*	
		For Class 54 Rating, Add	*5,511.41*	
		For Class 55 Rating, Add	*8,206.20*	
		For Class 56 Rating, Add	*10,864.42*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,582.66	1,350.19
		For Class 52 Rating, Deduct	*-4,129.06*	
		For Class 54 Rating, Add	*5,655.09*	
		For Class 55 Rating, Add	*8,419.83*	
		For Class 56 Rating, Add	*11,147.04*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,544.76	1,353.24
		For Class 52 Rating, Deduct	*-4,234.39*	
		For Class 54 Rating, Add	*5,798.77*	
		For Class 55 Rating, Add	*8,633.46*	
		For Class 56 Rating, Add	*11,429.66*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,506.85	1,356.27
		For Class 52 Rating, Deduct	*-4,339.71*	
		For Class 54 Rating, Add	*5,942.44*	
		For Class 55 Rating, Add	*8,847.09*	
		For Class 56 Rating, Add	*11,712.29*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,468.96	1,359.32
		For Class 52 Rating, Deduct	*-4,445.03*	
		For Class 54 Rating, Add	*6,086.12*	
		For Class 55 Rating, Add	*9,060.72*	
		For Class 56 Rating, Add	*11,994.91*	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,193.21	1,590.96
		For Class 52 Rating, Deduct	*-1,076.09*	
		For Class 54 Rating, Add	*1,496.33*	
		For Class 55 Rating, Add	*2,239.39*	
		For Class 56 Rating, Add	*2,972.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,482.85	1,594.01
		For Class 52 Rating, Deduct	*-1,217.45*	
		For Class 54 Rating, Add	*1,689.14*	
		For Class 55 Rating, Add	*2,526.06*	
		For Class 56 Rating, Add	*3,351.91*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,772.52	1,597.05
		For Class 52 Rating, Deduct	*-1,358.80*	
		For Class 54 Rating, Add	*1,881.95*	
		For Class 55 Rating, Add	*2,812.73*	
		For Class 56 Rating, Add	*3,731.17*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,062.17	1,600.10
		For Class 52 Rating, Deduct	*-1,500.15*	
		For Class 54 Rating, Add	*2,074.76*	
		For Class 55 Rating, Add	*3,099.41*	
		For Class 56 Rating, Add	*4,110.42*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,351.81	1,603.16
		For Class 52 Rating, Deduct	*-1,641.51*	
		For Class 54 Rating, Add	*2,267.57*	
		For Class 55 Rating, Add	*3,386.08*	
		For Class 56 Rating, Add	*4,489.67*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,641.48	1,606.20
		For Class 52 Rating, Deduct	*-1,782.86*	
		For Class 54 Rating, Add	*2,460.38*	
		For Class 55 Rating, Add	*3,672.76*	
		For Class 56 Rating, Add	*4,868.92*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,931.13	1,609.25
		For Class 52 Rating, Deduct	*-1,924.22*	
		For Class 54 Rating, Add	*2,653.19*	
		For Class 55 Rating, Add	*3,959.43*	
		For Class 56 Rating, Add	*5,248.18*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,220.79	1,612.30
		For Class 52 Rating, Deduct	*-2,065.57*	
		For Class 54 Rating, Add	*2,846.00*	
		For Class 55 Rating, Add	*4,246.11*	
		For Class 56 Rating, Add	*5,627.43*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,510.44	1,615.35
		For Class 52 Rating, Deduct	*-2,206.92*	
		For Class 54 Rating, Add	*3,038.81*	
		For Class 55 Rating, Add	*4,532.78*	
		For Class 56 Rating, Add	*6,006.68*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,800.09	1,618.39
		For Class 52 Rating, Deduct	*-2,348.28*	
		For Class 54 Rating, Add	*3,231.62*	
		For Class 55 Rating, Add	*4,819.45*	
		For Class 56 Rating, Add	*6,385.93*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,089.76	1,621.43
		For Class 52 Rating, Deduct	*-2,489.63*	
		For Class 54 Rating, Add	*3,424.44*	
		For Class 55 Rating, Add	*5,106.13*	
		For Class 56 Rating, Add	*6,765.19*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,379.40	1,624.49
		For Class 52 Rating, Deduct	*-2,630.99*	
		For Class 54 Rating, Add	*3,617.25*	
		For Class 55 Rating, Add	*5,392.80*	
		For Class 56 Rating, Add	*7,144.44*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,669.06	1,627.53
		For Class 52 Rating, Deduct	*-2,772.34*	
		For Class 54 Rating, Add	*3,810.06*	
		For Class 55 Rating, Add	*5,679.47*	
		For Class 56 Rating, Add	*7,523.69*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,958.72	1,630.58
		For Class 52 Rating, Deduct	*-2,913.70*	
		For Class 54 Rating, Add	*4,002.87*	
		For Class 55 Rating, Add	*5,966.15*	
		For Class 56 Rating, Add	*7,902.94*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,248.37	1,633.63
		For Class 52 Rating, Deduct	*-3,055.05*	
		For Class 54 Rating, Add	*4,195.68*	
		For Class 55 Rating, Add	*6,252.82*	
		For Class 56 Rating, Add	*8,282.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,538.03	1,636.68
		For Class 52 Rating, Deduct	*-3,196.40*	
		For Class 54 Rating, Add	*4,388.49*	
		For Class 55 Rating, Add	*6,539.50*	
		For Class 56 Rating, Add	*8,661.45*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,827.68	1,639.72
		For Class 52 Rating, Deduct	*-3,337.76*	
		For Class 54 Rating, Add	*4,581.30*	
		For Class 55 Rating, Add	*6,826.17*	
		For Class 56 Rating, Add	*9,040.70*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,117.33	1,642.77
		For Class 52 Rating, Deduct	*-3,479.11*	
		For Class 54 Rating, Add	*4,774.11*	
		For Class 55 Rating, Add	*7,112.84*	
		For Class 56 Rating, Add	*9,419.95*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,406.99	1,645.82
		For Class 52 Rating, Deduct	*-3,620.47*	
		For Class 54 Rating, Add	*4,966.92*	
		For Class 55 Rating, Add	*7,399.52*	
		For Class 56 Rating, Add	*9,799.20*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,696.65	1,648.88
		For Class 52 Rating, Deduct	*-3,761.82*	
		For Class 54 Rating, Add	*5,159.73*	
		For Class 55 Rating, Add	*7,686.19*	
		For Class 56 Rating, Add	*10,178.45*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,986.29	1,651.92
		For Class 52 Rating, Deduct	*-3,903.17*	
		For Class 54 Rating, Add	*5,352.54*	
		For Class 55 Rating, Add	*7,972.87*	
		For Class 56 Rating, Add	*10,557.70*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,275.95	1,654.97
		For Class 52 Rating, Deduct	*-4,044.53*	
		For Class 54 Rating, Add	*5,545.35*	
		For Class 55 Rating, Add	*8,259.54*	
		For Class 56 Rating, Add	*10,936.96*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,565.61	1,658.02
		For Class 52 Rating, Deduct	*-4,185.88*	
		For Class 54 Rating, Add	*5,738.17*	
		For Class 55 Rating, Add	*8,546.22*	
		For Class 56 Rating, Add	*11,316.21*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,855.26	1,661.06
		For Class 52 Rating, Deduct	*-4,327.24*	
		For Class 54 Rating, Add	*5,930.98*	
		For Class 55 Rating, Add	*8,832.89*	
		For Class 56 Rating, Add	*11,695.46*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,144.92	1,664.11
		For Class 52 Rating, Deduct	*-4,468.59*	
		For Class 54 Rating, Add	*6,123.79*	
		For Class 55 Rating, Add	*9,119.56*	
		For Class 56 Rating, Add	*12,074.71*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,434.57	1,667.15
		For Class 52 Rating, Deduct	*-4,609.94*	
		For Class 54 Rating, Add	*6,316.60*	
		For Class 55 Rating, Add	*9,406.24*	
		For Class 56 Rating, Add	*12,453.97*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,724.22	1,670.21
		For Class 52 Rating, Deduct	*-4,751.30*	
		For Class 54 Rating, Add	*6,509.41*	
		For Class 55 Rating, Add	*9,692.91*	
		For Class 56 Rating, Add	*12,833.22*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,013.88	1,673.24
		For Class 52 Rating, Deduct	*-4,892.65*	
		For Class 54 Rating, Add	*6,702.22*	
		For Class 55 Rating, Add	*9,979.58*	
		For Class 56 Rating, Add	*13,212.47*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,303.53	1,676.30
		For Class 52 Rating, Deduct	*-5,034.01*	
		For Class 54 Rating, Add	*6,895.03*	
		For Class 55 Rating, Add	*10,266.26*	
		For Class 56 Rating, Add	*13,591.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,593.19	1,679.35
		For Class 52 Rating, Deduct	*-5,175.36*	
		For Class 54 Rating, Add	*7,087.84*	
		For Class 55 Rating, Add	*10,552.93*	
		For Class 56 Rating, Add	*13,970.97*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,882.84	1,682.39
		For Class 52 Rating, Deduct	*-5,316.71*	
		For Class 54 Rating, Add	*7,280.65*	
		For Class 55 Rating, Add	*10,839.61*	
		For Class 56 Rating, Add	*14,350.23*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,172.51	1,685.44
		For Class 52 Rating, Deduct	*-5,458.07*	
		For Class 54 Rating, Add	*7,473.46*	
		For Class 55 Rating, Add	*11,126.28*	
		For Class 56 Rating, Add	*14,729.48*	
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,462.16	1,688.49
		For Class 52 Rating, Deduct	*-5,599.42*	
		For Class 54 Rating, Add	*7,666.28*	
		For Class 55 Rating, Add	*11,412.96*	
		For Class 56 Rating, Add	*15,108.73*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,751.80	1,691.54
		For Class 52 Rating, Deduct	*-5,740.78*	
		For Class 54 Rating, Add	*7,859.09*	
		For Class 55 Rating, Add	*11,699.63*	
		For Class 56 Rating, Add	*15,487.98*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,041.47	1,694.58
		For Class 52 Rating, Deduct	*-5,882.13*	
		For Class 54 Rating, Add	*8,051.90*	
		For Class 55 Rating, Add	*11,986.30*	
		For Class 56 Rating, Add	*15,867.24*	

40 05 19 00-3550 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,153.52	2,005.47
		For Class 52 Rating, Deduct	*-1,442.64*	
		For Class 54 Rating, Add	*2,003.70*	
		For Class 55 Rating, Add	*2,997.56*	
		For Class 56 Rating, Add	*3,978.29*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,054.19	2,008.51
		For Class 52 Rating, Deduct	*-1,651.21*	
		For Class 54 Rating, Add	*2,288.17*	
		For Class 55 Rating, Add	*3,420.49*	
		For Class 56 Rating, Add	*4,537.80*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,939.11	2,011.56
		For Class 52 Rating, Deduct	*-1,858.04*	
		For Class 54 Rating, Add	*2,570.27*	
		For Class 55 Rating, Add	*3,839.91*	
		For Class 56 Rating, Add	*5,092.65*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,842.95	2,014.61
		For Class 52 Rating, Deduct	*-2,066.96*	
		For Class 54 Rating, Add	*2,855.21*	
		For Class 55 Rating, Add	*4,263.54*	
		For Class 56 Rating, Add	*5,653.09*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,734.17	2,017.66
		For Class 52 Rating, Deduct	*-2,274.48*	
		For Class 54 Rating, Add	*3,138.25*	
		For Class 55 Rating, Add	*4,684.37*	
		For Class 56 Rating, Add	*6,209.80*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,644.31	2,020.69
		For Class 52 Rating, Deduct	*-2,484.09*	
		For Class 54 Rating, Add	*3,424.13*	
		For Class 55 Rating, Add	*5,109.41*	
		For Class 56 Rating, Add	*6,772.10*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,535.53	2,023.75
		For Class 52 Rating, Deduct	*-2,691.62*	
		For Class 54 Rating, Add	*3,707.18*	
		For Class 55 Rating, Add	*5,530.23*	
		For Class 56 Rating, Add	*7,328.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,448.80	2,026.80
		For Class 52 Rating, Deduct	*-2,901.57*	
		For Class 54 Rating, Add	*3,993.54*	
		For Class 55 Rating, Add	*5,955.97*	
		For Class 56 Rating, Add	*7,892.03*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,343.19	2,029.85
		For Class 52 Rating, Deduct	*-3,109.44*	
		For Class 54 Rating, Add	*4,277.06*	
		For Class 55 Rating, Add	*6,377.50*	
		For Class 56 Rating, Add	*8,449.68*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,259.61	2,032.89
		For Class 52 Rating, Deduct	*-3,319.74*	
		For Class 54 Rating, Add	*4,563.88*	
		For Class 55 Rating, Add	*6,803.95*	
		For Class 56 Rating, Add	*9,013.83*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,153.99	2,035.94
		For Class 52 Rating, Deduct	*-3,527.62*	
		For Class 54 Rating, Add	*4,847.40*	
		For Class 55 Rating, Add	*7,225.47*	
		For Class 56 Rating, Add	*9,571.47*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,070.41	2,038.99
		For Class 52 Rating, Deduct	*-3,737.91*	
		For Class 54 Rating, Add	*5,134.23*	
		For Class 55 Rating, Add	*7,651.91*	
		For Class 56 Rating, Add	*10,135.62*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,967.93	2,042.03
		For Class 52 Rating, Deduct	*-3,946.13*	
		For Class 54 Rating, Add	*5,418.22*	
		For Class 55 Rating, Add	*8,074.14*	
		For Class 56 Rating, Add	*10,694.20*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,868.62	2,045.08
		For Class 52 Rating, Deduct	*-4,154.70*	
		For Class 54 Rating, Add	*5,702.68*	
		For Class 55 Rating, Add	*8,497.08*	
		For Class 56 Rating, Add	*11,253.70*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,781.89	2,048.14
		For Class 52 Rating, Deduct	*-4,364.65*	
		For Class 54 Rating, Add	*5,989.04*	
		For Class 55 Rating, Add	*8,922.82*	
		For Class 56 Rating, Add	*11,816.92*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,679.42	2,051.19
		For Class 52 Rating, Deduct	*-4,572.87*	
		For Class 54 Rating, Add	*6,273.03*	
		For Class 55 Rating, Add	*9,345.05*	
		For Class 56 Rating, Add	*12,375.50*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,599.00	2,054.23
		For Class 52 Rating, Deduct	*-4,783.52*	
		For Class 54 Rating, Add	*6,560.33*	
		For Class 55 Rating, Add	*9,772.20*	
		For Class 56 Rating, Add	*12,940.58*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,499.67	2,057.28
		For Class 52 Rating, Deduct	*-4,992.08*	
		For Class 54 Rating, Add	*6,844.79*	
		For Class 55 Rating, Add	*10,195.13*	
		For Class 56 Rating, Add	*13,500.08*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,416.09	2,060.33
		For Class 52 Rating, Deduct	*-5,202.38*	
		For Class 54 Rating, Add	*7,131.62*	
		For Class 55 Rating, Add	*10,621.57*	
		For Class 56 Rating, Add	*14,064.23*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,316.77	2,063.36
		For Class 52 Rating, Deduct	*-5,410.95*	
		For Class 54 Rating, Add	*7,416.08*	
		For Class 55 Rating, Add	*11,044.50*	
		For Class 56 Rating, Add	*14,623.73*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,236.35	2,066.41
		For Class 52 Rating, Deduct	*-5,621.60*	
		For Class 54 Rating, Add	*7,703.38*	
		For Class 55 Rating, Add	*11,471.65*	
		For Class 56 Rating, Add	*15,188.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,137.03	2,069.47
		For Class 52 Rating, Deduct	*-5,830.16*	
		For Class 54 Rating, Add	*7,987.85*	
		For Class 55 Rating, Add	*11,894.58*	
		For Class 56 Rating, Add	*15,748.31*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,056.61	2,072.52
		For Class 52 Rating, Deduct	*-6,040.81*	
		For Class 54 Rating, Add	*8,275.15*	
		For Class 55 Rating, Add	*12,321.73*	
		For Class 56 Rating, Add	*16,313.39*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,954.13	2,075.56
		For Class 52 Rating, Deduct	*-6,249.03*	
		For Class 54 Rating, Add	*8,559.14*	
		For Class 55 Rating, Add	*12,743.96*	
		For Class 56 Rating, Add	*16,871.97*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,876.85	2,078.61
		For Class 52 Rating, Deduct	*-6,460.02*	
		For Class 54 Rating, Add	*8,846.91*	
		For Class 55 Rating, Add	*13,171.80*	
		For Class 56 Rating, Add	*17,437.97*	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,777.53	2,081.66
		For Class 52 Rating, Deduct	*-6,668.59*	
		For Class 54 Rating, Add	*9,131.37*	
		For Class 55 Rating, Add	*13,594.74*	
		For Class 56 Rating, Add	*17,997.48*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,693.96	2,084.70
		For Class 52 Rating, Deduct	*-6,878.88*	
		For Class 54 Rating, Add	*9,418.20*	
		For Class 55 Rating, Add	*14,021.18*	
		For Class 56 Rating, Add	*18,561.63*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,597.79	2,087.75
		For Class 52 Rating, Deduct	*-7,087.80*	
		For Class 54 Rating, Add	*9,703.14*	
		For Class 55 Rating, Add	*14,444.82*	
		For Class 56 Rating, Add	*19,122.06*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,126.80	2,090.80
		For Class 52 Rating, Deduct	*-7,255.48*	
		For Class 54 Rating, Add	*9,931.85*	
		For Class 55 Rating, Add	*14,784.87*	
		For Class 56 Rating, Add	*19,571.93*	
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,418.03	2,093.86
		For Class 52 Rating, Deduct	*-7,507.01*	
		For Class 54 Rating, Add	*10,274.90*	
		For Class 55 Rating, Add	*15,294.89*	
		For Class 56 Rating, Add	*20,246.64*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,315.56	2,096.90
		For Class 52 Rating, Deduct	*-7,715.23*	
		For Class 54 Rating, Add	*10,558.89*	
		For Class 55 Rating, Add	*15,717.12*	
		For Class 56 Rating, Add	*20,805.22*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,235.13	2,099.95
		For Class 52 Rating, Deduct	*-7,925.87*	
		For Class 54 Rating, Add	*10,846.19*	
		For Class 55 Rating, Add	*16,144.27*	
		For Class 56 Rating, Add	*21,370.30*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,135.82	2,103.00
		For Class 52 Rating, Deduct	*-8,134.44*	
		For Class 54 Rating, Add	*11,130.66*	
		For Class 55 Rating, Add	*16,567.20*	
		For Class 56 Rating, Add	*21,929.80*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,058.53	2,106.05
		For Class 52 Rating, Deduct	*-8,345.43*	
		For Class 54 Rating, Add	*11,418.43*	
		For Class 55 Rating, Add	*16,995.05*	
		For Class 56 Rating, Add	*22,495.81*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,956.06	2,109.08
		For Class 52 Rating, Deduct	*-8,553.65*	
		For Class 54 Rating, Add	*11,702.42*	
		For Class 55 Rating, Add	*17,417.28*	
		For Class 56 Rating, Add	*23,054.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3586		48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,874.09	2,520.54
		For Class 52 Rating, Deduct	*-1,876.06*	
		For Class 54 Rating, Add	*2,604.09*	
		For Class 55 Rating, Add	*3,894.94*	
		For Class 56 Rating, Add	*5,168.73*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,606.26	2,523.59
		For Class 52 Rating, Deduct	*-2,176.09*	
		For Class 54 Rating, Add	*3,013.28*	
		For Class 55 Rating, Add	*4,503.30*	
		For Class 56 Rating, Add	*5,973.53*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,347.89	2,526.64
		For Class 52 Rating, Deduct	*-2,477.16*	
		For Class 54 Rating, Add	*3,423.89*	
		For Class 55 Rating, Add	*5,113.76*	
		For Class 56 Rating, Add	*6,781.11*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,117.85	2,529.69
		For Class 52 Rating, Deduct	*-2,781.35*	
		For Class 54 Rating, Add	*3,838.74*	
		For Class 55 Rating, Add	*5,730.54*	
		For Class 56 Rating, Add	*7,597.06*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,881.51	2,532.73
		For Class 52 Rating, Deduct	*-3,084.84*	
		For Class 54 Rating, Add	*4,252.66*	
		For Class 55 Rating, Add	*6,345.92*	
		For Class 56 Rating, Add	*8,411.14*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,648.34	2,535.78
		For Class 52 Rating, Deduct	*-3,388.69*	
		For Class 54 Rating, Add	*4,667.04*	
		For Class 55 Rating, Add	*6,962.00*	
		For Class 56 Rating, Add	*9,226.16*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,434.04	2,538.84
		For Class 52 Rating, Deduct	*-3,694.61*	
		For Class 54 Rating, Add	*5,084.26*	
		For Class 55 Rating, Add	*7,582.30*	
		For Class 56 Rating, Add	*10,046.74*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,213.47	2,541.88
		For Class 52 Rating, Deduct	*-3,999.83*	
		For Class 54 Rating, Add	*5,500.54*	
		For Class 55 Rating, Add	*8,201.19*	
		For Class 56 Rating, Add	*10,865.48*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,986.58	2,544.93
		For Class 52 Rating, Deduct	*-4,304.37*	
		For Class 54 Rating, Add	*5,915.87*	
		For Class 55 Rating, Add	*8,818.67*	
		For Class 56 Rating, Add	*11,682.35*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,784.89	2,547.98
		For Class 52 Rating, Deduct	*-4,611.68*	
		For Class 54 Rating, Add	*6,334.98*	
		For Class 55 Rating, Add	*9,441.78*	
		For Class 56 Rating, Add	*12,506.66*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,570.61	2,551.03
		For Class 52 Rating, Deduct	*-4,917.60*	
		For Class 54 Rating, Add	*6,752.20*	
		For Class 55 Rating, Add	*10,062.07*	
		For Class 56 Rating, Add	*13,327.25*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,372.07	2,554.06
		For Class 52 Rating, Deduct	*-5,225.25*	
		For Class 54 Rating, Add	*7,171.78*	
		For Class 55 Rating, Add	*10,685.88*	
		For Class 56 Rating, Add	*14,152.48*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,154.64	2,557.11
		For Class 52 Rating, Deduct	*-5,530.82*	
		For Class 54 Rating, Add	*7,588.52*	
		For Class 55 Rating, Add	*11,305.47*	
		For Class 56 Rating, Add	*14,972.14*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,943.50	2,560.17
		For Class 52 Rating, Deduct	*-5,837.09*	
		For Class 54 Rating, Add	*8,006.22*	
		For Class 55 Rating, Add	*11,926.47*	
		For Class 56 Rating, Add	*15,793.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,748.11	2,563.22
		For Class 52 Rating, Deduct	*-6,145.09*	
		For Class 54 Rating, Add	*8,426.27*	
		For Class 55 Rating, Add	*12,550.98*	
		For Class 56 Rating, Add	*16,619.83*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,536.98	2,566.26
		For Class 52 Rating, Deduct	*-6,451.36*	
		For Class 54 Rating, Add	*8,843.96*	
		For Class 55 Rating, Add	*13,171.98*	
		For Class 56 Rating, Add	*17,441.34*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,325.84	2,569.31
		For Class 52 Rating, Deduct	*-6,757.62*	
		For Class 54 Rating, Add	*9,261.66*	
		For Class 55 Rating, Add	*13,792.98*	
		For Class 56 Rating, Add	*18,262.86*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,133.60	2,572.36
		For Class 52 Rating, Deduct	*-7,065.97*	
		For Class 54 Rating, Add	*9,682.18*	
		For Class 55 Rating, Add	*14,418.19*	
		For Class 56 Rating, Add	*19,089.96*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,925.62	2,575.40
		For Class 52 Rating, Deduct	*-7,372.58*	
		For Class 54 Rating, Add	*10,100.35*	
		For Class 55 Rating, Add	*15,039.89*	
		For Class 56 Rating, Add	*19,912.41*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,714.48	2,578.45
		For Class 52 Rating, Deduct	*-7,678.85*	
		For Class 54 Rating, Add	*10,518.04*	
		For Class 55 Rating, Add	*15,660.89*	
		For Class 56 Rating, Add	*20,733.92*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,528.55	2,581.50
		For Class 52 Rating, Deduct	*-7,987.89*	
		For Class 54 Rating, Add	*10,939.51*	
		For Class 55 Rating, Add	*16,287.50*	
		For Class 56 Rating, Add	*21,562.88*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,323.70	2,584.56
		For Class 52 Rating, Deduct	*-8,294.85*	
		For Class 54 Rating, Add	*11,358.15*	
		For Class 55 Rating, Add	*16,909.91*	
		For Class 56 Rating, Add	*22,386.25*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,115.72	2,587.60
		For Class 52 Rating, Deduct	*-8,601.46*	
		For Class 54 Rating, Add	*11,776.32*	
		For Class 55 Rating, Add	*17,531.61*	
		For Class 56 Rating, Add	*23,208.70*	
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,926.63	2,590.65
		For Class 52 Rating, Deduct	*-8,910.16*	
		For Class 54 Rating, Add	*12,197.31*	
		For Class 55 Rating, Add	*18,157.52*	
		For Class 56 Rating, Add	*24,036.72*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,721.80	2,593.70
		For Class 52 Rating, Deduct	*-9,217.12*	
		For Class 54 Rating, Add	*12,615.95*	
		For Class 55 Rating, Add	*18,779.92*	
		For Class 56 Rating, Add	*24,860.10*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,513.80	2,596.73
		For Class 52 Rating, Deduct	*-9,523.73*	
		For Class 54 Rating, Add	*13,034.12*	
		For Class 55 Rating, Add	*19,401.62*	
		For Class 56 Rating, Add	*25,682.55*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,327.87	2,599.78
		For Class 52 Rating, Deduct	*-9,832.77*	
		For Class 54 Rating, Add	*13,455.59*	
		For Class 55 Rating, Add	*20,028.24*	
		For Class 56 Rating, Add	*26,511.50*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,123.03	2,602.83
		For Class 52 Rating, Deduct	*-10,139.73*	
		For Class 54 Rating, Add	*13,874.23*	
		For Class 55 Rating, Add	*20,650.64*	
		For Class 56 Rating, Add	*27,334.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3615	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,587.49	2,605.89
		For Class 52 Rating, Deduct	*-10,410.31*	
		For Class 54 Rating, Add	*14,243.26*	
		For Class 55 Rating, Add	*21,199.30*	
		For Class 56 Rating, Add	*28,060.70*	
40 05 19 00-3616	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,735.41	2,608.93
		For Class 52 Rating, Deduct	*-10,756.07*	
		For Class 54 Rating, Add	*14,714.81*	
		For Class 55 Rating, Add	*21,900.36*	
		For Class 56 Rating, Add	*28,988.14*	
40 05 19 00-3617	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,527.42	2,611.98
		For Class 52 Rating, Deduct	*-11,062.69*	
		For Class 54 Rating, Add	*15,132.97*	
		For Class 55 Rating, Add	*22,522.06*	
		For Class 56 Rating, Add	*29,810.59*	
40 05 19 00-3618	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	107,347.78	2,615.03
		For Class 52 Rating, Deduct	*-11,372.42*	
		For Class 54 Rating, Add	*15,555.39*	
		For Class 55 Rating, Add	*23,150.09*	
		For Class 56 Rating, Add	*30,641.40*	
40 05 19 00-3619	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	110,139.80	2,618.07
		For Class 52 Rating, Deduct	*-11,679.03*	
		For Class 54 Rating, Add	*15,973.55*	
		For Class 55 Rating, Add	*23,771.79*	
		For Class 56 Rating, Add	*31,463.84*	
40 05 19 00-3620	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	112,931.81	2,621.12
		For Class 52 Rating, Deduct	*-11,985.65*	
		For Class 54 Rating, Add	*16,391.72*	
		For Class 55 Rating, Add	*24,393.49*	
		For Class 56 Rating, Add	*32,286.29*	
40 05 19 00-3621	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	115,752.17	2,624.17
		For Class 52 Rating, Deduct	*-12,295.38*	
		For Class 54 Rating, Add	*16,814.13*	
		For Class 55 Rating, Add	*25,021.51*	
		For Class 56 Rating, Add	*33,117.10*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	822.41	147.05
40 05 19 00-3624	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,203.65	188.04
40 05 19 00-3625	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,716.78	212.99
40 05 19 00-3626	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,451.52	270.03
40 05 19 00-3627	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,053.71	299.43
40 05 19 00-3628	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,744.55	325.28
40 05 19 00-3629	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,598.35	401.03
40 05 19 00-3630	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,767.94	481.24
40 05 19 00-3631	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,050.40	606.00
40 05 19 00-3632	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,485.78	686.20
40 05 19 00-3633	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,270.28	908.99
40 05 19 00-3634	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,121.62	1,029.31
40 05 19 00-3635	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	41,157.21	1,176.35
40 05 19 00-3636	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	54,444.82	1,443.70

40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	783.78	147.05
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,139.83	188.04
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,558.90	212.99
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,226.46	270.03
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,763.14	299.43
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,218.83	325.28
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,956.74	401.03
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	5,035.63	481.24
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,333.21	606.00
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,314.06	686.20
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,885.65	908.99
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	23,607.66	1,029.31
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,685.08	1,176.35
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	48,252.14	1,443.70

40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	782.10	147.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,117.99	188.04
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,545.46	212.99
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,174.39	270.03
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,879.03	299.43
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,573.23	325.28
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,037.36	401.03
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,133.05	481.24
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,751.43	606.00
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,279.83	686.20
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	16,056.97	908.99
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,999.01	1,029.31
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,466.09	1,176.35
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,273.34	1,443.70
40 05 19 00-3667		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	847.60	147.05
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,240.60	188.04
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,595.85	212.99
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,354.11	270.03
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,213.27	299.43
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,658.89	325.28
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,398.48	401.03
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,133.05	481.24
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,751.43	606.00
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,622.47	686.20
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,224.93	908.99
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,170.33	1,029.31
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,645.81	1,176.35
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	49,636.13	1,443.70
40 05 19 00-3682		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,170.91	167.54
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,508.95	180.02
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,639.09	200.52
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,249.18	208.54
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,292.00	229.04
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,460.38	241.51
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,686.14	244.18
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,998.97	256.66
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,141.28	285.18
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,126.62	256.66
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,390.75	269.14
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,675.82	297.65
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,994.38	312.80
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,598.87	294.54
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,814.28	307.00
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,247.16	335.52
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,566.74	350.23
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,828.18	363.16
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,178.63	334.64
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,835.78	347.12
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,924.34	375.63
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,143.13	390.33
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,505.34	403.26
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,902.01	441.14
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,223.80	397.01
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,508.08	409.49
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,604.41	438.01
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,804.71	452.72
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,413.84	465.63
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,229.36	503.51
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,604.21	543.61
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,221.15	437.12
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,500.39	449.59
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,966.86	478.11
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,304.90	492.82
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,956.00	505.75
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,540.78	543.61
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,705.68	583.72
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,167.86	577.27
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,266.22	604.21
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,964.35	617.14
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,676.15	655.01
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,522.32	695.12
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,109.13	757.50
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,627.79	797.60

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,367.19	817.65
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,342.70	857.76
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,472.21	969.16
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,672.08	891.18
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,439.96	931.28
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,413.91	1,042.68
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,245.85	1,102.83
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,235.18	1,076.09
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,085.65	1,187.49
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,461.68	1,247.64
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,353.80	1,321.17

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	965.17	147.05
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,516.06	188.04
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,247.53	212.99
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,136.80	270.03
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,383.95	299.43
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,138.61	325.28
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,548.37	401.03
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,015.24	481.24
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,700.17	606.00
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,595.12	686.20
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,994.53	908.99
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,855.47	1,029.31
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	62,924.83	1,176.35

40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	2,016.24	167.54
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,399.70	180.02
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,208.67	200.52
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,594.08	208.54
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,971.95	229.04
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,108.99	241.51
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,304.03	244.18
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,373.42	256.66
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,416.64	285.18
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,537.44	269.14
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	12,146.06	297.65
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,876.65	312.80
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,658.56	307.00
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,556.25	335.52
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,515.43	350.23
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,403.67	363.16
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,330.91	390.33
40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,434.05	403.26
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,575.03	441.14
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,676.01	465.63
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	24,139.37	503.51
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,606.10	543.61
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	35,967.77	505.75
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,753.52	543.61
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,542.64	583.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,427.23	577.27

40 05 19 00-3780 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-2073)*

40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,012.20	147.05
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,423.68	188.04
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,309.68	212.99
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,089.77	270.03
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,126.98	299.43
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,891.71	325.28
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,962.18	401.03
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,383.72	481.24
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,539.57	606.00
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,384.77	686.20
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,581.18	908.99
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,709.01	1,029.31
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	54,034.71	1,176.35
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	60,637.51	1,443.70

40 05 19 00-3795 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-2073)*

40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,246.33	236.16
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,612.55	290.53
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,325.61	324.39
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,287.40	421.52
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,391.86	459.85
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,880.57	494.60
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,360.22	623.83
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,896.03	712.94
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,933.09	900.09
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,621.54	993.66
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	24,020.02	1,372.40
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	33,942.89	1,572.92
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,496.57	1,818.00

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-2073)*

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,657.69	263.79
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,146.17	269.14
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,113.50	302.99
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,856.18	297.65
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,784.87	331.51
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,902.94	352.90
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,643.35	312.80
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,600.60	346.67
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,757.29	368.05
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,333.24	436.68
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,212.52	325.28
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,089.16	359.15
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,269.37	380.53
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,470.76	449.16
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,751.76	472.77
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,289.43	363.16
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,294.34	397.01
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,415.77	418.41
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,537.58	487.02
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,854.49	510.64
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,991.07	532.48
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,912.74	437.12
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,961.30	458.51
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,915.79	527.13
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,536.71	550.75
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,056.23	572.58
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,488.57	663.93
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,432.59	499.50
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,569.14	520.89
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,832.67	589.51
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,132.15	613.13
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,217.29	634.96
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,882.45	726.30
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,060.86	775.32
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,742.98	539.60
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,121.38	560.99
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,418.51	629.61
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,546.03	653.23
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,789.07	675.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,066.87	766.41
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,579.27	815.42
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	16,036.88	871.35
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,275.53	651.00
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,363.37	672.40
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,806.62	741.01
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,842.40	764.63
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,875.48	786.47
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,013.88	877.81
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,647.45	926.82
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,654.45	1,051.58
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,387.96	1,105.05
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,687.36	931.72
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,938.09	948.66
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,067.11	997.23
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,265.78	1,016.38
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,349.21	1,033.77
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,557.97	1,098.37
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,684.26	1,142.93
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,049.42	1,236.51
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,630.91	1,283.29
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	38,312.48	1,472.67
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,057.78	898.30
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,153.00	920.14
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,408.98	1,011.48
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,543.70	1,060.50
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,972.92	1,185.26
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,535.99	1,238.73
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,524.23	1,506.09
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	69,589.60	1,646.44
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,484.92	1,043.12
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,518.01	1,064.95
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,834.45	1,156.30
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,908.71	1,205.32
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,337.93	1,330.08
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,842.20	1,383.55
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	59,088.76	1,650.90
40 05 19 00-3886		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*		
40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,343.75	236.16
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,896.40	290.53
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,805.98	324.39
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,197.74	421.52
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,654.92	459.85
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,372.69	494.60
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,811.39	623.83
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,439.58	712.94
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,407.14	900.09
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,849.73	993.66
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	29,555.99	1,372.40
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	42,072.16	1,572.92
40 05 19 00-3899		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*		
40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,100.20	236.16
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,600.79	290.53
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,364.24	324.39
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,116.08	421.52
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,704.27	459.85
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,293.75	494.60
40 05 19 00-3906		Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*		
40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,414.94	325.28
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,986.88	352.46
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,065.12	393.00
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,561.69	358.25
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,734.03	405.48
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,795.05	435.79
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,362.40	386.77
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,630.47	434.00
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,921.59	464.30
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,719.54	573.02
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,392.43	401.47
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,561.42	448.71
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,852.55	479.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,700.87	587.73
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,350.41	620.25
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,489.66	461.62
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,780.79	491.93
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,284.80	600.65
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,777.49	633.18
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,065.95	663.93
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,549.76	499.50
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,887.92	529.81
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,393.62	638.53
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,933.34	671.05
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,867.16	701.80
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,787.20	846.62
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,884.31	539.60
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,222.47	569.91
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,630.74	678.63
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,170.46	711.16
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,290.32	741.91
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,951.47	886.72
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,329.80	944.65
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,851.57	601.99
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,213.24	632.28
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,587.93	741.01
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,162.93	773.54
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,317.00	804.28
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,325.20	949.11
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,727.04	1,007.02
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,747.95	1,194.17
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,687.04	642.09
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,946.26	672.40
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,477.13	781.12
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,842.19	813.64
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,046.66	844.38
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,633.91	989.21
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,458.78	1,047.13
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,319.95	1,165.44
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,998.54	1,301.12
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,930.28	925.03
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,032.30	955.79
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,644.74	1,100.60
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,848.39	1,158.53
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,750.05	1,345.67
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,334.57	1,412.52
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,849.75	1,835.82
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,294.87	1,176.80
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,334.71	1,203.08
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,856.26	1,321.17
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,048.12	1,374.64
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,791.66	1,530.60
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,784.74	1,590.75
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,397.33	1,936.08
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,280.22	2,116.54
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,584.67	1,234.27
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,734.57	1,292.20
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,592.55	1,479.35
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,651.20	1,546.19
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,792.16	1,969.50
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	79,973.54	2,190.06
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,352.27	1,624.17
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,410.91	1,691.00
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	62,775.55	2,114.31

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,004.63	167.54
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,334.27	180.02
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,419.06	200.52
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,777.21	208.54
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,771.32	229.04
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,988.41	241.51
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,265.42	223.69
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,301.51	244.18
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,463.18	256.66
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,677.72	285.18
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,785.66	256.66
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,001.08	269.14
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,212.25	297.65
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,120.99	312.80
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,308.30	294.54
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,155.88	307.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,409.04	335.52
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,814.28	350.23
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,289.03	363.16
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,002.70	347.12
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,291.13	375.63
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,251.26	390.33
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,771.36	403.26
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,726.29	441.14
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,876.55	409.49
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,181.78	438.01
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,059.61	452.72
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,698.97	465.63
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,365.00	503.51
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,398.25	543.61
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,056.51	478.11
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,624.66	492.82
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,785.32	505.75
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,969.32	543.61
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,178.92	583.72
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,589.03	577.27
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,667.99	655.01
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,069.70	695.12
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,841.10	757.50
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,027.20	797.60
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,515.75	715.17
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,754.55	755.27
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,793.00	817.65
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,722.12	857.76
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,262.50	969.16
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,931.51	931.28
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,987.52	1,042.68
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,505.05	1,102.83
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,337.30	1,076.09
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	36,377.16	1,187.49
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	40,376.72	1,247.64
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	44,939.06	1,321.17

40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,073.49	167.54
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,413.21	180.02
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,540.00	200.52
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,777.21	208.54
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,855.30	229.04
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,069.03	241.51
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,265.42	223.69
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,395.57	244.18
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,560.59	256.66
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,847.35	285.18
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,785.66	256.66
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,950.69	269.14
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,188.74	297.65
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,554.33	312.80
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,308.30	294.54
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,520.35	307.00
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,810.46	335.52
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,125.00	350.23
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,289.03	363.16
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,002.70	347.12
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,291.13	375.63
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,603.97	390.33
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,771.36	403.26
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,121.00	441.14
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,138.56	409.49
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,366.54	438.01
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,573.57	452.72
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,698.97	465.63
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,122.50	503.51
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,393.21	543.61
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,245.09	449.59
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,177.44	478.11
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,305.54	492.82
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,429.24	505.75
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,854.47	543.61
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,178.92	583.72
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,589.03	577.27
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,393.68	617.14
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,418.13	655.01
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,125.12	695.12
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,841.10	757.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,027.20	797.60
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,534.87	715.17
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,176.77	755.27
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,116.12	817.65
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,663.33	857.76
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,559.79	969.16
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,931.51	931.28
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,987.52	1,042.68
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,505.05	1,102.83
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,377.16	1,187.49
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,376.72	1,247.64
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	44,939.06	1,321.17

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	495.91	57.93
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	754.43	85.55
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,007.17	101.59
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,464.47	118.53
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,940.63	139.03
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,673.40	155.96
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,229.51	178.23
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,346.96	249.53
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,835.55	311.91
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,553.64	378.75
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,397.03	441.14
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	23,242.54	485.69
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	33,323.86	534.70
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,423.15	601.54

40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	45.55
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*12.75*
		For Hot Dip Galvanized, Add	*18.22*
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack	70.28
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*19.68*
		For Hot Dip Galvanized, Add	*28.11*
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack	76.32
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*21.37*
		For Hot Dip Galvanized, Add	*30.53*
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack	171.43
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*48.00*
		For Hot Dip Galvanized, Add	*68.57*
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack	172.93
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*48.42*
		For Hot Dip Galvanized, Add	*69.17*
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack	193.75
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*54.25*
		For Hot Dip Galvanized, Add	*77.50*
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack	325.71
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*91.20*
		For Hot Dip Galvanized, Add	*130.28*
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack	473.18
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*132.49*
		For Hot Dip Galvanized, Add	*189.27*
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack	597.45
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*167.29*
		For Hot Dip Galvanized, Add	*238.98*
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack	854.84
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*239.36*
		For Hot Dip Galvanized, Add	*341.94*
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,350.78
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*378.22*
		For Hot Dip Galvanized, Add	*540.31*
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,926.91
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*539.53*
		For Hot Dip Galvanized, Add	*770.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,478.92	
		For Zinc Plated, Add	*694.10*	
		For Hot Dip Galvanized, Add	*991.57*	
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	3,029.78	
		For Zinc Plated, Add	*848.34*	
		For Hot Dip Galvanized, Add	*1,211.91*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.40
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.12
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.10
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.84
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.57

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.15
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.26
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.01
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	158.00
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.98
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.95
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.67
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.79
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.74

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.69
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.43
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.67
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.59
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.58
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.51
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.48
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.61
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.07

40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.15
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.76
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.50
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.49
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.74
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.96
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.43
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.03
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.74

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4179		Full Face Flange FKM Gaskets *(40 05 19 00-4118)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	146.36	
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	217.91	
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	291.09	
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	351.26	
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	456.96	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	835.87	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	957.83	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	1,003.37	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,070.04	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,479.84	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,774.18	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,871.76	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,333.60	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,445.80	
40 05 19 00-4194		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	421.12	80.77
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	583.73	98.59
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	863.30	120.26
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,185.11	146.70
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,504.35	178.88
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,414.80	218.25
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,795.30	266.35
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,920.30	324.86
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,802.91	396.41
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,352.70	483.52
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,897.50	590.02
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,249.28	719.72
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,689.08	878.14
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,088.96	1,071.27

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001		Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assemblies *(40 05 23 23)*		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	33.97	10.65
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.27*	
		For Work In Restricted Working Space, Add	*6.42*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	38.62	12.21
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.43*	
		For Work In Restricted Working Space, Add	*7.63*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	44.96	13.77
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.02*	
		For Work In Restricted Working Space, Add	*8.85*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	51.27	16.63
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.07*	
		For Work In Restricted Working Space, Add	*9.53*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	56.39	17.11
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.81*	
		For Work In Restricted Working Space, Add	*10.22*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	68.27	22.62
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*7.08*	
		For Work In Restricted Working Space, Add	*12.31*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	97.66	27.88
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*12.18*	
		For Work In Restricted Working Space, Add	*15.25*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	123.18	32.30
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*15.86*	
		For Work In Restricted Working Space, Add	*18.66*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	166.73	32.30
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*23.67*	
40 05 23 23-0011		Stainless Steel Tubing And Fittings *(40 05 23 23)*		
40 05 23 23-0012		Type 304 Tubing *(40 05 23 23-0011)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0013		0.035" Wall *(40 05 23 23-0012)*		
40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	9.31	3.51
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.82	4.16
		For Work In Restricted Working Space, Add	*2.51*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	12.91	4.94
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	20.73	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	24.54	6.24
		For Work In Restricted Working Space, Add	*3.77*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	27.16	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	30.42	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0021		0.049" Wall *(40 05 23 23-0012)*		
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	15.32	4.16
		For Work In Restricted Working Space, Add	*2.51*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	17.09	4.94
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	20.52	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	25.96	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	29.74	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	33.46	9.75
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	38.59	11.05
		For Work In Restricted Working Space, Add	*6.67*	
40 05 23 23-0029		0.065" Wall *(40 05 23 23-0012)*		
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	17.88	4.94
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	20.58	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	25.38	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	29.85	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	35.19	9.75
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	40.42	11.05
		For Work In Restricted Working Space, Add	*6.67*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	45.56	12.48
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 23-0037		Type 304 Tube Fittings *(40 05 23 23-0011)*		
40 05 23 23-0038		90 Degree Elbows *(40 05 23 23-0037)*		
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	57.53	14.04
		For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	67.89	15.34
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	101.54	17.29
		For Work In Restricted Working Space, Add	*10.40*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	108.57	19.36
		For Work In Restricted Working Space, Add	*11.64*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	121.35	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	165.07	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	209.98	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0046		Union Tees *(40 05 23 23-0037)*		
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	91.12	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	110.24	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	149.91	26.00
		For Work In Restricted Working Space, Add	*15.60*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	161.49	29.51
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	205.53	31.71
		For Work In Restricted Working Space, Add	*19.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	324.59	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	389.00	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0054		**Unions** *(40 05 23 23-0037)*		
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	87.21	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	112.45	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	151.36	26.00
		For Work In Restricted Working Space, Add	*15.60*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	184.22	29.51
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	219.36	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	335.63	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	357.72	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0062		**Male Connectors** *(40 05 23 23-0037)*		
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	43.52	14.04
		For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	54.11	15.34
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	69.85	17.29
		For Work In Restricted Working Space, Add	*10.40*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	78.70	19.36
		For Work In Restricted Working Space, Add	*11.64*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	94.80	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	141.78	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	148.90	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0070		**Type 304 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0071		**Gate Valves** *(40 05 23 23-0070)*		
40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	235.21	20.93
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	395.71	24.57
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	411.19	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	455.87	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	419.14	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0077		**Globe Valves** *(40 05 23 23-0070)*		
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	238.44	20.93
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	157.90	24.57
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	283.28	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	315.39	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	459.85	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0083		**Check Valves** *(40 05 23 23-0070)*		
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	333.47	20.93
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	335.46	24.57
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	220.56	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	231.05	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	256.29	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0089		**Plug Valves** *(40 05 23 23-0070)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0090	EA	1/2" Plug Valve, Stainless Steel Type 304	515.71	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0091	EA	3/4" Plug Valve, Stainless Steel Type 304	564.72	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0092	EA	1" Plug Valve, Stainless Steel Type 304	639.73	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0093	EA	1-1/2" Plug Valve, Stainless Steel Type 304	887.95	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0094	EA	2" Plug Valve, Stainless Steel Type 304	1,156.46	64.99
		For Work In Restricted Working Space, Add	*39.00*	
40 05 23 23-0095		Type 316 Tubing *(40 05 23 23-0011)*		
40 05 23 23-0096		0.035" Wall *(40 05 23 23-0095)*		
40 05 23 23-0097	LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	9.67	3.51
		For Work In Restricted Working Space, Add	*2.09*	
40 05 23 23-0098	LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	12.57	4.16
		For Work In Restricted Working Space, Add	*2.51*	
40 05 23 23-0099	LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	13.98	4.94
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0100	LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	23.56	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0101	LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	26.73	6.24
		For Work In Restricted Working Space, Add	*3.77*	
40 05 23 23-0102	LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	33.91	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0103	LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	35.65	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0104		0.049" Wall *(40 05 23 23-0095)*		
40 05 23 23-0105	LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	16.83	4.16
		For Work In Restricted Working Space, Add	*2.51*	
40 05 23 23-0106	LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	18.68	4.94
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0107	LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	22.01	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0108	LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	28.71	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0109	LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	33.16	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0110	LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	42.25	9.75
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	43.20	11.05
		For Work In Restricted Working Space, Add	*6.67*	
40 05 23 23-0112		0.065" Wall *(40 05 23 23-0095)*		
40 05 23 23-0113	LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	19.68	4.94
		For Work In Restricted Working Space, Add	*2.93*	
40 05 23 23-0114	LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	21.96	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0115	LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	27.54	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0116	LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	32.82	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0117	LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	39.76	9.75
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0118	LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	43.81	11.05
		For Work In Restricted Working Space, Add	*6.67*	
40 05 23 23-0119	LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	51.02	12.48
		For Work In Restricted Working Space, Add	*7.50*	
40 05 23 23-0120		Type 316 Tube Fittings *(40 05 23 23-0011)*		
40 05 23 23-0121		90 Degree Elbows *(40 05 23 23-0120)*		
40 05 23 23-0122	EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	78.89	14.04
		For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0123	EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	94.82	15.34
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0124	EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	149.82	17.29
		For Work In Restricted Working Space, Add	*10.40*	
40 05 23 23-0125	EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	158.95	19.36
		For Work In Restricted Working Space, Add	*11.64*	
40 05 23 23-0126	EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	178.69	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0127	EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	250.72	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316	321.64	27.69
		For Work In Restricted Working Space, Add	*16.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	126.64	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	156.32	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	220.59	26.00
		For Work In Restricted Working Space, Add	*15.60*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	235.42	29.51
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	308.13	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	508.21	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	609.29	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	81.79	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	104.56	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	139.48	26.00
		For Work In Restricted Working Space, Add	*15.60*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	169.26	29.51
		For Work In Restricted Working Space, Add	*17.72*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	200.72	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	303.91	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	324.98	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0145		**Male Connectors** *(40 05 23 23-0120)*		
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	54.53	14.04
		For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	70.73	15.34
		For Work In Restricted Working Space, Add	*9.18*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	94.73	17.29
		For Work In Restricted Working Space, Add	*10.40*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	106.90	19.36
		For Work In Restricted Working Space, Add	*11.64*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	132.18	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	209.20	23.27
		For Work In Restricted Working Space, Add	*13.93*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	215.05	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0153		**Type 316 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0154		**Gate Valves** *(40 05 23 23-0153)*		
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	298.93	20.93
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	510.61	24.57
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	526.09	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	582.59	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	527.39	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	724.53	43.54
		For Work In Restricted Working Space, Add	*26.13*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,164.10	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,384.54	64.99
		For Work In Restricted Working Space, Add	*39.00*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,055.56	208.11
		For Work In Restricted Working Space, Add	*124.83*	
40 05 23 23-0164		**Globe Valves** *(40 05 23 23-0153)*		
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	303.21	20.93
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	196.03	24.57
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	356.89	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	396.75	31.71
		For Work In Restricted Working Space, Add	*19.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	581.24	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	725.95	43.29
		For Work In Restricted Working Space, Add	*25.94*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,206.87	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,427.31	64.99
		For Work In Restricted Working Space, Add	*39.00*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,784.69	208.11
		For Work In Restricted Working Space, Add	*124.83*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	428.91	20.93
		For Work In Restricted Working Space, Add	*11.36*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	430.90	24.57
		For Work In Restricted Working Space, Add	*11.95*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	273.92	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	285.17	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	311.96	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	431.81	43.54
		For Work In Restricted Working Space, Add	*26.13*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	964.51	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,170.70	64.99
		For Work In Restricted Working Space, Add	*39.00*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,316.92	208.11
		For Work In Restricted Working Space, Add	*124.83*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	460.60	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	538.08	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	686.22	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,094.19	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,529.03	64.99
		For Work In Restricted Working Space, Add	*39.00*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	610.49	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	701.86	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	850.00	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,324.58	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,803.83	64.99
		For Work In Restricted Working Space, Add	*39.00*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	611.94	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	732.39	31.85
		For Work In Restricted Working Space, Add	*19.11*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	958.24	42.24
		For Work In Restricted Working Space, Add	*25.35*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,190.26	43.54
		For Work In Restricted Working Space, Add	*26.13*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,494.29	47.45
		For Work In Restricted Working Space, Add	*28.47*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,155.11	64.99
		For Work In Restricted Working Space, Add	*39.00*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,961.85	86.44
		For Work In Restricted Working Space, Add	*51.87*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,313.08	129.99
		For Work In Restricted Working Space, Add	*77.99*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,518.93	207.98
		For Work In Restricted Working Space, Add	*124.78*	

40 05 23 23-0206 Plug Valves *(40 05 23 23-0153)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	652.17	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	713.31	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	804.50	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,123.03	47.45
		For Work In Restricted Working Space, Add	*28.46*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,460.72	64.99
		For Work In Restricted Working Space, Add	*39.00*	

40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 23-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	25.99	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	28.07	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	31.57	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	33.13	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	35.08	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	37.68	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	40.29	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	44.18	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	48.07	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	51.98	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	55.87	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	61.07	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	66.27	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	71.47	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	76.67	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	80.56	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	84.46	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	89.66	

40 05 23 23-0231 Stainless Steel Pipe And Fittings *(40 05 23 23)*

40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0232)*

40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	17.35	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	21.42	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	26.22	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	31.36	9.75
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	36.19	11.05
		For Work In Restricted Working Space, Add	*6.67*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	46.12	14.04
		For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	61.39	16.64
		For Work In Restricted Working Space, Add	*10.00*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	77.16	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	104.10	27.69
		For Work In Restricted Working Space, Add	*16.60*	

40 05 23 23-0243 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0244	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	46.10	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0245	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	61.27	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0246	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	78.94	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0247	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	111.11	48.10
		For Work In Restricted Working Space, Add	*28.89*	
40 05 23 23-0248	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	132.76	56.54
		For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0249	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	161.88	68.37
		For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0250	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	273.69	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0251	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	352.20	139.74
		For Work In Restricted Working Space, Add	*83.86*	
40 05 23 23-0252	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	488.44	173.28
		For Work In Restricted Working Space, Add	*103.99*	

40 05 23 23-0253 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0232)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0254		EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	47.06	20.93
			For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0255		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	62.82	27.69
			For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0256		EA	1", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	79.42	35.10
			For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0257		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	110.92	48.10
			For Work In Restricted Working Space, Add	*28.89*	
40 05 23 23-0258		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	130.47	56.54
			For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0259		EA	2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	161.34	68.37
			For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0260		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	284.08	108.28
			For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0261		EA	3", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	372.47	139.74
			For Work In Restricted Working Space, Add	*83.86*	
40 05 23 23-0262		EA	4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	512.04	173.28
			For Work In Restricted Working Space, Add	*103.99*	

40 05 23 23-0263 150 Lb., Type 304 Stainless Steel Threaded Tees *(40 05 23 23-0232)*

40 05 23 23-0264		EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	69.07	31.71
			For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0265		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	92.83	41.99
			For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0266		EA	1", 150 Lb., Type 304 Stainless Steel Threaded Tee	115.42	52.00
			For Work In Restricted Working Space, Add	*31.20*	
40 05 23 23-0267		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	167.15	72.28
			For Work In Restricted Working Space, Add	*43.33*	
40 05 23 23-0268		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	190.74	81.24
			For Work In Restricted Working Space, Add	*48.75*	
40 05 23 23-0269		EA	2", 150 Lb., Type 304 Stainless Steel Threaded Tee	252.94	108.28
			For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0270		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	391.03	156.63
			For Work In Restricted Working Space, Add	*93.97*	
40 05 23 23-0271		EA	3", 150 Lb., Type 304 Stainless Steel Threaded Tee	531.45	209.67
			For Work In Restricted Working Space, Add	*125.80*	
40 05 23 23-0272		EA	4", 150 Lb., Type 304 Stainless Steel Threaded Tee	722.48	259.98
			For Work In Restricted Working Space, Add	*155.99*	

40 05 23 23-0273 150 Lb., Type 304 Stainless Steel Threaded Reducers *(40 05 23 23-0232)*

40 05 23 23-0274		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	60.55	27.69
			For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0275		EA	1", 150 Lb., Type 304 Stainless Steel Threaded Reducer	77.42	35.10
			For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0276		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	106.76	48.10
			For Work In Restricted Working Space, Add	*28.89*	
40 05 23 23-0277		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	128.09	56.54
			For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0278		EA	2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	161.98	68.37
			For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0279		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	270.62	108.28
			For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0280		EA	3", 150 Lb., Type 304 Stainless Steel Threaded Reducer	356.39	139.74
			For Work In Restricted Working Space, Add	*83.86*	
40 05 23 23-0281		EA	4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	473.94	173.28
			For Work In Restricted Working Space, Add	*103.99*	

40 05 23 23-0282 150 Lb., Type 304 Stainless Steel Threaded Caps *(40 05 23 23-0232)*

40 05 23 23-0283		EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	23.75	10.53
			For Work In Restricted Working Space, Add	*6.29*	
40 05 23 23-0284		EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	31.42	14.04
			For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0285		EA	1", 150 Lb., Type 304 Stainless Steel Threaded Cap	39.87	17.29
			For Work In Restricted Working Space, Add	*10.40*	
40 05 23 23-0286		EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	58.49	24.57
			For Work In Restricted Working Space, Add	*14.72*	
40 05 23 23-0287		EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	67.68	27.69
			For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0288		EA	2", 150 Lb., Type 304 Stainless Steel Threaded Cap	86.02	35.10
			For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0289		EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	132.43	52.00
			For Work In Restricted Working Space, Add	*31.20*	
40 05 23 23-0290		EA	3", 150 Lb., Type 304 Stainless Steel Threaded Cap	176.14	68.37
			For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0291		EA	4", 150 Lb., Type 304 Stainless Steel Threaded Cap	239.84	86.70
			For Work In Restricted Working Space, Add	*52.00*	

40 05 23 23-0292 150 Lb., Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0293	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	75.11	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0294	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Union	98.68	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0295	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Union	126.37	52.00
		For Work In Restricted Working Space, Add	*31.20*	
40 05 23 23-0296	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Union	183.26	72.28
		For Work In Restricted Working Space, Add	*43.33*	
40 05 23 23-0297	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	206.36	81.24
		For Work In Restricted Working Space, Add	*48.75*	
40 05 23 23-0298	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Union	269.20	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0299	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	467.30	162.49
		For Work In Restricted Working Space, Add	*97.49*	
40 05 23 23-0300	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Union	598.57	209.67
		For Work In Restricted Working Space, Add	*125.80*	
40 05 23 23-0301	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Union	637.62	173.34
		For Work In Restricted Working Space, Add	*104.00*	

40 05 23 23-0302 150 Lb., Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*

40 05 23 23-0303	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	45.70	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0304	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	60.74	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0305	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Coupling	78.51	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0306	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	109.40	48.10
		For Work In Restricted Working Space, Add	*28.89*	
40 05 23 23-0307	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	128.60	56.54
		For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0308	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	158.78	68.37
		For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0309	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	264.82	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0310	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Coupling	341.81	139.74
		For Work In Restricted Working Space, Add	*83.86*	
40 05 23 23-0311	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	443.41	173.28
		For Work In Restricted Working Space, Add	*103.99*	

40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings
(40 05 23 23-0231)

40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*

40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	20.62	5.59
		For Work In Restricted Working Space, Add	*3.35*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	24.65	7.02
		For Work In Restricted Working Space, Add	*4.19*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	30.86	8.44
		For Work In Restricted Working Space, Add	*5.03*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	37.43	9.75
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	43.37	11.05
		For Work In Restricted Working Space, Add	*6.67*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	55.74	14.04
		For Work In Restricted Working Space, Add	*8.39*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	74.83	16.64
		For Work In Restricted Working Space, Add	*10.00*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	97.21	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	130.19	27.69
		For Work In Restricted Working Space, Add	*16.60*	

40 05 23 23-0323 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	47.35	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0325	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	63.14	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0326	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	80.09	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0327	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	113.17	48.10
		For Work In Restricted Working Space, Add	*28.89*	
40 05 23 23-0328	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	135.51	56.54
		For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0329	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	165.27	68.37
		For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0330	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	279.11	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0331	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	365.47	139.74
		For Work In Restricted Working Space, Add	*83.86*	
40 05 23 23-0332	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	504.57	173.28
		For Work In Restricted Working Space, Add	*103.99*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0333		**150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0312)*			
40 05 23 23-0334	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		48.37	20.93
		For Work In Restricted Working Space, Add		*12.58*	
40 05 23 23-0335	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		63.78	27.69
		For Work In Restricted Working Space, Add		*16.60*	
40 05 23 23-0336	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		80.83	35.10
		For Work In Restricted Working Space, Add		*21.08*	
40 05 23 23-0337	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		112.95	48.10
		For Work In Restricted Working Space, Add		*28.89*	
40 05 23 23-0338	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		132.84	56.54
		For Work In Restricted Working Space, Add		*33.91*	
40 05 23 23-0339	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		164.52	68.37
		For Work In Restricted Working Space, Add		*41.05*	
40 05 23 23-0340	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		289.18	108.28
		For Work In Restricted Working Space, Add		*65.00*	
40 05 23 23-0341	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		384.22	139.74
		For Work In Restricted Working Space, Add		*83.86*	
40 05 23 23-0342	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow		543.74	173.28
		For Work In Restricted Working Space, Add		*103.99*	
40 05 23 23-0343		**150 Lb., Type 316 Stainless Steel Threaded Tees** *(40 05 23 23-0312)*			
40 05 23 23-0344	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee		70.41	31.71
		For Work In Restricted Working Space, Add		*19.02*	
40 05 23 23-0345	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Tee		94.19	41.99
		For Work In Restricted Working Space, Add		*25.16*	
40 05 23 23-0346	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Tee		116.94	52.00
		For Work In Restricted Working Space, Add		*31.20*	
40 05 23 23-0347	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Tee		170.25	72.28
		For Work In Restricted Working Space, Add		*43.33*	
40 05 23 23-0348	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee		193.81	81.24
		For Work In Restricted Working Space, Add		*48.75*	
40 05 23 23-0349	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Tee		256.97	108.28
		For Work In Restricted Working Space, Add		*65.00*	
40 05 23 23-0350	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee		407.51	156.63
		For Work In Restricted Working Space, Add		*93.97*	
40 05 23 23-0351	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Tee		553.91	209.67
		For Work In Restricted Working Space, Add		*125.80*	
40 05 23 23-0352	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Tee		739.22	259.98
		For Work In Restricted Working Space, Add		*155.99*	
40 05 23 23-0353		**150 Lb., Type 316 Stainless Steel Threaded Reducers** *(40 05 23 23-0312)*			
40 05 23 23-0354	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer		61.70	27.69
		For Work In Restricted Working Space, Add		*16.60*	
40 05 23 23-0355	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Reducer		80.81	35.10
		For Work In Restricted Working Space, Add		*21.08*	
40 05 23 23-0356	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer		107.40	48.10
		For Work In Restricted Working Space, Add		*28.89*	
40 05 23 23-0357	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer		131.43	56.54
		For Work In Restricted Working Space, Add		*33.91*	
40 05 23 23-0358	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Reducer		167.83	68.37
		For Work In Restricted Working Space, Add		*41.05*	
40 05 23 23-0359	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer		283.92	108.28
		For Work In Restricted Working Space, Add		*65.00*	
40 05 23 23-0360	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Reducer		371.08	139.74
		For Work In Restricted Working Space, Add		*83.86*	
40 05 23 23-0361	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Reducer		498.42	173.28
		For Work In Restricted Working Space, Add		*103.99*	
40 05 23 23-0362		**150 Lb., Type 316 Stainless Steel Threaded Caps** *(40 05 23 23-0312)*			
40 05 23 23-0363	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap		24.49	10.53
		For Work In Restricted Working Space, Add		*6.29*	
40 05 23 23-0364	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Cap		31.98	14.04
		For Work In Restricted Working Space, Add		*8.39*	
40 05 23 23-0365	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Cap		40.86	17.29
		For Work In Restricted Working Space, Add		*10.40*	
40 05 23 23-0366	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Cap		61.24	24.57
		For Work In Restricted Working Space, Add		*14.72*	
40 05 23 23-0367	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap		70.94	27.69
		For Work In Restricted Working Space, Add		*16.60*	
40 05 23 23-0368	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Cap		90.26	35.10
		For Work In Restricted Working Space, Add		*21.08*	
40 05 23 23-0369	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap		139.45	52.00
		For Work In Restricted Working Space, Add		*31.20*	
40 05 23 23-0370	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Cap		183.27	68.37
		For Work In Restricted Working Space, Add		*41.05*	
40 05 23 23-0371	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Cap		253.99	86.70
		For Work In Restricted Working Space, Add		*52.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0372		**150 Lb., Type 316 Stainless Steel Threaded Unions** *(40 05 23 23-0312)*		
40 05 23 23-0373	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	76.71	31.71
		For Work In Restricted Working Space, Add	*19.02*	
40 05 23 23-0374	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Union	104.74	41.99
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-0375	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Union	129.44	52.00
		For Work In Restricted Working Space, Add	*31.20*	
40 05 23 23-0376	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Union	188.46	72.28
		For Work In Restricted Working Space, Add	*43.33*	
40 05 23 23-0377	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	212.45	81.24
		For Work In Restricted Working Space, Add	*48.75*	
40 05 23 23-0378	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Union	276.25	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0379	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	478.12	162.49
		For Work In Restricted Working Space, Add	*97.49*	
40 05 23 23-0380	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Union	632.27	209.67
		For Work In Restricted Working Space, Add	*125.80*	
40 05 23 23-0381	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Union	709.45	173.34
		For Work In Restricted Working Space, Add	*104.00*	
40 05 23 23-0382		**150 Lb., Type 316 Stainless Steel Threaded Couplings** *(40 05 23 23-0312)*		
40 05 23 23-0383	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	48.23	20.93
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-0384	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	61.92	27.69
		For Work In Restricted Working Space, Add	*16.60*	
40 05 23 23-0385	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Coupling	79.63	35.10
		For Work In Restricted Working Space, Add	*21.08*	
40 05 23 23-0386	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	111.19	48.10
		For Work In Restricted Working Space, Add	*28.89*	
40 05 23 23-0387	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	130.73	56.54
		For Work In Restricted Working Space, Add	*33.91*	
40 05 23 23-0388	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	161.74	68.37
		For Work In Restricted Working Space, Add	*41.05*	
40 05 23 23-0389	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	275.18	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-0390	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Coupling	355.16	139.74
		For Work In Restricted Working Space, Add	*83.86*	
40 05 23 23-0391	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	463.44	173.28
		For Work In Restricted Working Space, Add	*103.99*	
40 05 23 23-0392		**Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0393		**Type 304, Schedule 10 Stainless Steel Pipe** *(40 05 23 23-0392)*		
40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	18.93	5.46
		For Work In Restricted Working Space, Add	*3.28*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	22.62	6.67
		For Work In Restricted Working Space, Add	*4.01*	
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	29.46	7.89
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	36.08	9.83
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	40.21	11.04
		For Work In Restricted Working Space, Add	*6.62*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	49.74	13.70
		For Work In Restricted Working Space, Add	*8.19*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	59.11	15.64
		For Work In Restricted Working Space, Add	*9.36*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	69.34	17.59
		For Work In Restricted Working Space, Add	*10.55*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	86.46	20.85
		For Work In Restricted Working Space, Add	*12.48*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	124.65	27.40
		For Work In Restricted Working Space, Add	*16.39*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	210.60	48.26
		For Work In Restricted Working Space, Add	*31.01*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	264.70	53.07
		For Work In Restricted Working Space, Add	*34.12*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	314.53	59.01
		For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	383.86	66.34
		For Work In Restricted Working Space, Add	*42.65*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	424.04	75.82
		For Work In Restricted Working Space, Add	*48.74*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	476.86	88.45
		For Work In Restricted Working Space, Add	*56.86*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	653.72	106.14
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	849.65	132.68
		For Work In Restricted Working Space, Add	*85.29*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0412		Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*			
40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		144.73	62.22
		For Work In Restricted Working Space, Add		*41.47*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		153.24	66.03
		For Work In Restricted Working Space, Add		*44.03*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		168.91	72.57
		For Work In Restricted Working Space, Add		*48.38*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		184.37	79.09
		For Work In Restricted Working Space, Add		*52.73*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		203.65	87.35
		For Work In Restricted Working Space, Add		*58.23*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		227.78	97.18
		For Work In Restricted Working Space, Add		*64.78*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		296.61	124.37
		For Work In Restricted Working Space, Add		*82.91*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		347.97	145.76
		For Work In Restricted Working Space, Add		*97.17*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		427.04	174.47
		For Work In Restricted Working Space, Add		*116.31*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		589.73	217.94
		For Work In Restricted Working Space, Add		*145.30*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		1,005.73	365.55
		For Work In Restricted Working Space, Add		*243.69*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		1,498.01	487.38
		For Work In Restricted Working Space, Add		*324.92*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		2,263.91	731.07
		For Work In Restricted Working Space, Add		*487.38*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		2,680.03	852.92
		For Work In Restricted Working Space, Add		*568.61*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		3,155.70	972.90
		For Work In Restricted Working Space, Add		*648.61*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		3,991.33	1,218.46
		For Work In Restricted Working Space, Add		*812.30*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		5,562.73	1,705.84
		For Work In Restricted Working Space, Add		*1,137.23*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow		7,988.74	2,436.91
		For Work In Restricted Working Space, Add		*1,624.61*	
40 05 23 23-0431		Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*			
40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		146.64	62.22
		For Work In Restricted Working Space, Add		*41.47*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		155.15	66.03
		For Work In Restricted Working Space, Add		*44.03*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		171.20	72.57
		For Work In Restricted Working Space, Add		*48.38*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		187.43	79.09
		For Work In Restricted Working Space, Add		*52.73*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		204.03	87.35
		For Work In Restricted Working Space, Add		*58.23*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		227.78	97.18
		For Work In Restricted Working Space, Add		*64.78*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		294.70	124.37
		For Work In Restricted Working Space, Add		*82.91*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		344.53	145.76
		For Work In Restricted Working Space, Add		*97.17*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		420.54	174.47
		For Work In Restricted Working Space, Add		*116.31*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		555.74	217.94
		For Work In Restricted Working Space, Add		*145.30*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		940.17	365.55
		For Work In Restricted Working Space, Add		*243.69*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		1,381.29	487.38
		For Work In Restricted Working Space, Add		*324.92*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		2,079.12	731.07
		For Work In Restricted Working Space, Add		*487.38*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		2,453.22	852.92
		For Work In Restricted Working Space, Add		*568.61*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		2,875.77	972.90
		For Work In Restricted Working Space, Add		*648.61*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		3,623.72	1,218.46
		For Work In Restricted Working Space, Add		*812.30*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		5,066.70	1,705.84
		For Work In Restricted Working Space, Add		*1,137.23*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow		7,285.09	2,436.91
		For Work In Restricted Working Space, Add		*1,624.61*	
40 05 23 23-0450		Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	196.71	79.07
		For Work In Restricted Working Space, Add	*52.71*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	236.69	97.07
		For Work In Restricted Working Space, Add	*64.71*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	263.35	109.07
		For Work In Restricted Working Space, Add	*72.71*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	299.70	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	317.66	133.50
		For Work In Restricted Working Space, Add	*89.00*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	346.10	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	451.29	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	527.12	218.64
		For Work In Restricted Working Space, Add	*145.76*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	607.16	245.38
		For Work In Restricted Working Space, Add	*163.59*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	891.66	327.17
		For Work In Restricted Working Space, Add	*218.12*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,471.20	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	2,263.91	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,918.77	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,598.26	1,098.18
		For Work In Restricted Working Space, Add	*732.12*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	4,355.90	1,339.66
		For Work In Restricted Working Space, Add	*893.11*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	5,542.36	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	7,422.64	2,244.52
		For Work In Restricted Working Space, Add	*1,496.35*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	11,113.65	3,411.67
		For Work In Restricted Working Space, Add	*2,274.45*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	184.24	66.06
		For Work In Restricted Working Space, Add	*44.04*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	217.31	80.95
		For Work In Restricted Working Space, Add	*53.96*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	270.46	90.96
		For Work In Restricted Working Space, Add	*60.64*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	277.39	103.69
		For Work In Restricted Working Space, Add	*69.13*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	290.00	111.41
		For Work In Restricted Working Space, Add	*74.28*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	384.78	121.42
		For Work In Restricted Working Space, Add	*80.95*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	452.51	145.54
		For Work In Restricted Working Space, Add	*97.03*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	557.00	181.91
		For Work In Restricted Working Space, Add	*121.27*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	743.74	207.85
		For Work In Restricted Working Space, Add	*138.57*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,422.62	304.61
		For Work In Restricted Working Space, Add	*203.07*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,373.80	406.16
		For Work In Restricted Working Space, Add	*270.77*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,383.13	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,106.77	731.92
		For Work In Restricted Working Space, Add	*487.94*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,090.29	892.80
		For Work In Restricted Working Space, Add	*595.20*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	6,577.94	1,137.23
		For Work In Restricted Working Space, Add	*758.15*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	9,391.34	1,496.35
		For Work In Restricted Working Space, Add	*997.57*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	14,711.27	2,272.42
		For Work In Restricted Working Space, Add	*1,514.96*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	146.48	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	161.52	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	179.05	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	189.89	79.09
		For Work In Restricted Working Space, Add	*52.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	206.70	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	279.98	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	316.23	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	369.47	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	477.62	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	755.35	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	962.84	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,296.31	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,865.04	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,186.73	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,686.97	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,791.77	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	5,445.93	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	182.38	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	187.87	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	197.10	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	222.73	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	230.38	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	305.95	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	341.82	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	389.26	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	549.03	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	908.45	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,261.46	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,572.24	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,501.57	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,916.10	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,577.13	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	5,218.22	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	7,336.42	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	80.96	31.11
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	89.41	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	98.20	36.28
		For Work In Restricted Working Space, Add	*24.19*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	108.33	39.55
		For Work In Restricted Working Space, Add	*26.36*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	115.77	43.67
		For Work In Restricted Working Space, Add	*29.12*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	124.39	48.59
		For Work In Restricted Working Space, Add	*32.39*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	161.88	62.19
		For Work In Restricted Working Space, Add	*41.46*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	182.20	72.89
		For Work In Restricted Working Space, Add	*48.59*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	219.83	87.23
		For Work In Restricted Working Space, Add	*58.16*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	284.94	109.15
		For Work In Restricted Working Space, Add	*72.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	482.47	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	642.35	243.69
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	943.67	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	1,108.70	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,288.68	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,629.68	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,246.09	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	3,325.66	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	20.90	5.46
		For Work In Restricted Working Space, Add	*3.28*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	25.41	6.67
		For Work In Restricted Working Space, Add	*4.01*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	30.97	7.89
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	38.71	9.70
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	44.48	10.92
		For Work In Restricted Working Space, Add	*6.62*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	56.77	13.95
		For Work In Restricted Working Space, Add	*8.19*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	69.83	15.76
		For Work In Restricted Working Space, Add	*9.36*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	69.15	17.59
		For Work In Restricted Working Space, Add	*10.55*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	110.36	20.62
		For Work In Restricted Working Space, Add	*12.48*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	169.50	27.28
		For Work In Restricted Working Space, Add	*16.39*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	300.31	48.02
		For Work In Restricted Working Space, Add	*31.01*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	376.29	53.07
		For Work In Restricted Working Space, Add	*34.12*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	465.51	58.75
		For Work In Restricted Working Space, Add	*37.91*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	146.26	62.22
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	154.77	66.03
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	170.05	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	185.20	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	204.41	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	230.45	97.18
		For Work In Restricted Working Space, Add	*64.78*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	306.54	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	362.48	145.76
		For Work In Restricted Working Space, Add	*97.17*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	451.48	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	745.92	217.94
		For Work In Restricted Working Space, Add	*145.30*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,218.57	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,929.84	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,824.02	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,359.52	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,028.60	972.90
		For Work In Restricted Working Space, Add	*648.61*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	5,204.20	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	7,059.75	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	10,124.49	2,436.91
		For Work In Restricted Working Space, Add	*1,624.61*	
40 05 23 23-0575		**Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 23-0541)*		
40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	148.93	62.22
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	157.44	66.03
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	171.96	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	187.15	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	206.32	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	230.86	97.18
		For Work In Restricted Working Space, Add	*64.78*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	306.54	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	351.79	145.76
		For Work In Restricted Working Space, Add	*97.17*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	457.21	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	615.69	217.94
		For Work In Restricted Working Space, Add	*145.30*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,082.04	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,588.76	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,320.84	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,623.68	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,152.49	972.90
		For Work In Restricted Working Space, Add	*648.61*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,981.94	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	5,410.48	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	7,868.82	2,436.91
		For Work In Restricted Working Space, Add	*1,624.61*	
40 05 23 23-0594		**Type 304, Schedule 40 Stainless Steel Butt Weld Tees** *(40 05 23 23-0541)*		
40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	198.24	79.07
		For Work In Restricted Working Space, Add	*52.71*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	238.22	97.07
		For Work In Restricted Working Space, Add	*64.71*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	264.88	109.07
		For Work In Restricted Working Space, Add	*72.71*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	303.59	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	319.19	133.50
		For Work In Restricted Working Space, Add	*89.00*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	348.01	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	456.44	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	535.14	218.64
		For Work In Restricted Working Space, Add	*145.76*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	615.94	245.38
		For Work In Restricted Working Space, Add	*163.59*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	952.38	327.17
		For Work In Restricted Working Space, Add	*218.12*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,651.44	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,817.03	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,501.98	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,773.45	1,098.18
		For Work In Restricted Working Space, Add	*732.12*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	6,071.60	1,339.66
		For Work In Restricted Working Space, Add	*893.11*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	7,871.86	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	10,155.10	2,244.52
		For Work In Restricted Working Space, Add	*1,496.35*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	15,551.49	3,411.67
		For Work In Restricted Working Space, Add	*2,274.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0541)*		
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	189.20	66.06
		For Work In Restricted Working Space, Add	*44.04*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	222.27	80.95
		For Work In Restricted Working Space, Add	*53.96*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	294.34	90.96
		For Work In Restricted Working Space, Add	*60.64*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	284.65	103.69
		For Work In Restricted Working Space, Add	*69.13*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	290.00	111.41
		For Work In Restricted Working Space, Add	*74.28*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	360.38	121.42
		For Work In Restricted Working Space, Add	*80.95*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	398.66	145.54
		For Work In Restricted Working Space, Add	*97.03*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	528.74	181.91
		For Work In Restricted Working Space, Add	*121.27*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	748.33	207.85
		For Work In Restricted Working Space, Add	*138.57*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,260.53	304.61
		For Work In Restricted Working Space, Add	*203.07*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,424.52	406.16
		For Work In Restricted Working Space, Add	*270.77*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,484.59	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,964.41	731.92
		For Work In Restricted Working Space, Add	*487.94*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,911.99	892.80
		For Work In Restricted Working Space, Add	*595.20*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	6,345.43	1,137.23
		For Work In Restricted Working Space, Add	*758.15*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	9,043.15	1,496.35
		For Work In Restricted Working Space, Add	*997.57*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	14,156.72	2,272.42
		For Work In Restricted Working Space, Add	*1,514.96*	
40 05 23 23-0631		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0541)*		
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	150.30	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	165.34	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	179.32	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	193.71	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	208.99	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	279.98	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	302.48	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	349.92	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	480.67	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	820.20	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,074.21	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,395.70	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,088.10	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,467.14	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,254.82	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	4,461.57	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	6,139.58	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	183.94	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	195.89	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	224.60	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	236.86	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	252.15	87.35
		For Work In Restricted Working Space, Add	*58.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	305.95	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	389.17	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	421.34	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	580.73	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	911.76	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,258.58	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,722.37	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,888.80	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,275.26	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,300.28	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	5,575.10	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	8,918.25	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	82.10	31.11
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	88.26	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	99.34	36.28
		For Work In Restricted Working Space, Add	*24.19*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	113.43	39.55
		For Work In Restricted Working Space, Add	*26.36*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	120.74	43.67
		For Work In Restricted Working Space, Add	*29.12*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	124.01	48.59
		For Work In Restricted Working Space, Add	*32.39*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	159.31	62.19
		For Work In Restricted Working Space, Add	*41.46*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	183.73	72.89
		For Work In Restricted Working Space, Add	*48.59*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	224.41	87.23
		For Work In Restricted Working Space, Add	*58.16*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	313.20	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	527.84	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	706.51	243.69
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	1,065.95	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,220.71	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,442.77	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,812.30	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,489.63	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	3,732.85	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	

40 05 23 23-0685 Type 304, Schedule 40 Stainless Steel Butt Half Coupling *(40 05 23 23-0541)*

Note: Threaded Female x Butt Weld Straight Adapter

40 05 23 23-0686	EA	1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	131.88	62.22
		For Work In Restricted Working Space, Add	*37.33*	
40 05 23 23-0687	EA	3/4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	140.93	66.09
		For Work In Restricted Working Space, Add	*39.62*	
40 05 23 23-0688	EA	1", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	160.70	72.52
		For Work In Restricted Working Space, Add	*43.55*	
40 05 23 23-0689	EA	1-1/4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	177.88	79.07
		For Work In Restricted Working Space, Add	*47.44*	
40 05 23 23-0690	EA	1-1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	199.97	87.31
		For Work In Restricted Working Space, Add	*52.39*	
40 05 23 23-0691	EA	2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	228.94	97.14
		For Work In Restricted Working Space, Add	*58.32*	
40 05 23 23-0692	EA	2-1/2", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	320.02	124.43
		For Work In Restricted Working Space, Add	*74.62*	
40 05 23 23-0693	EA	3", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	410.67	145.78
		For Work In Restricted Working Space, Add	*87.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0694	EA	4", Type 304, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	496.03	174.52
		For Work In Restricted Working Space, Add	*104.67*	

40 05 23 23-0695 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0696 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0695)*

40 05 23 23-0697	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	21.44	5.46
		For Work In Restricted Working Space, Add	*3.28*	
40 05 23 23-0698	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	25.52	6.67
		For Work In Restricted Working Space, Add	*4.01*	
40 05 23 23-0699	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	33.78	7.89
		For Work In Restricted Working Space, Add	*4.70*	
40 05 23 23-0700	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	41.24	9.83
		For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0701	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	45.88	11.04
		For Work In Restricted Working Space, Add	*6.62*	
40 05 23 23-0702	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	56.74	13.70
		For Work In Restricted Working Space, Add	*8.19*	
40 05 23 23-0703	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	67.82	15.64
		For Work In Restricted Working Space, Add	*9.36*	
40 05 23 23-0704	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	80.02	17.59
		For Work In Restricted Working Space, Add	*10.55*	
40 05 23 23-0705	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	100.46	20.85
		For Work In Restricted Working Space, Add	*12.48*	
40 05 23 23-0706	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	146.51	27.40
		For Work In Restricted Working Space, Add	*16.39*	
40 05 23 23-0707	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	244.08	48.26
		For Work In Restricted Working Space, Add	*31.01*	
40 05 23 23-0708	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	311.85	53.07
		For Work In Restricted Working Space, Add	*34.12*	
40 05 23 23-0709	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	373.30	59.01
		For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-0710	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	459.34	66.34
		For Work In Restricted Working Space, Add	*42.65*	
40 05 23 23-0711	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	505.74	75.82
		For Work In Restricted Working Space, Add	*48.74*	
40 05 23 23-0712	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	566.59	88.45
		For Work In Restricted Working Space, Add	*56.86*	
40 05 23 23-0713	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	786.83	106.14
		For Work In Restricted Working Space, Add	*68.24*	
40 05 23 23-0714	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	1,026.20	132.68
		For Work In Restricted Working Space, Add	*85.29*	

40 05 23 23-0715 Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0695)*

40 05 23 23-0716	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	146.64	62.22
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-0717	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	155.15	66.03
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-0718	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	171.20	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0719	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	187.70	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0720	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	205.94	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0721	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	230.45	97.18
		For Work In Restricted Working Space, Add	*64.78*	
40 05 23 23-0722	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	301.58	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0723	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	355.23	145.76
		For Work In Restricted Working Space, Add	*97.17*	
40 05 23 23-0724	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	438.11	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0725	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	618.75	217.94
		For Work In Restricted Working Space, Add	*145.30*	
40 05 23 23-0726	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,059.77	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0727	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,622.96	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0728	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,434.27	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0729	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,840.33	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0730	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,409.25	972.90
		For Work In Restricted Working Space, Add	*648.61*	
40 05 23 23-0731	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	4,295.37	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0732	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,997.06	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0733	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	8,634.12	2,436.91
		For Work In Restricted Working Space, Add	*1,624.61*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0734		Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0695)*			
40 05 23 23-0735	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		148.93	62.22
		For Work In Restricted Working Space, Add		*41.47*	
40 05 23 23-0736	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		157.44	66.03
		For Work In Restricted Working Space, Add		*44.03*	
40 05 23 23-0737	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		173.49	72.57
		For Work In Restricted Working Space, Add		*48.38*	
40 05 23 23-0738	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		190.76	79.09
		For Work In Restricted Working Space, Add		*52.73*	
40 05 23 23-0739	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		205.94	87.35
		For Work In Restricted Working Space, Add		*58.23*	
40 05 23 23-0740	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		230.45	97.18
		For Work In Restricted Working Space, Add		*64.78*	
40 05 23 23-0741	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		299.28	124.37
		For Work In Restricted Working Space, Add		*82.91*	
40 05 23 23-0742	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		351.79	145.76
		For Work In Restricted Working Space, Add		*97.17*	
40 05 23 23-0743	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		430.09	174.47
		For Work In Restricted Working Space, Add		*116.31*	
40 05 23 23-0744	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		571.39	217.94
		For Work In Restricted Working Space, Add		*145.30*	
40 05 23 23-0745	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		974.80	365.55
		For Work In Restricted Working Space, Add		*243.69*	
40 05 23 23-0746	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		1,588.76	487.38
		For Work In Restricted Working Space, Add		*324.92*	
40 05 23 23-0747	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		2,320.84	731.07
		For Work In Restricted Working Space, Add		*487.38*	
40 05 23 23-0748	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		2,734.05	852.92
		For Work In Restricted Working Space, Add		*568.61*	
40 05 23 23-0749	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		3,214.38	972.90
		For Work In Restricted Working Space, Add		*648.61*	
40 05 23 23-0750	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		4,065.89	1,218.46
		For Work In Restricted Working Space, Add		*812.30*	
40 05 23 23-0751	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		5,790.87	1,705.84
		For Work In Restricted Working Space, Add		*1,137.23*	
40 05 23 23-0752	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow		8,359.49	2,436.91
		For Work In Restricted Working Space, Add		*1,624.61*	
40 05 23 23-0753		Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0695)*			
40 05 23 23-0754	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee		201.68	79.07
		For Work In Restricted Working Space, Add		*52.71*	
40 05 23 23-0755	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee		241.66	97.07
		For Work In Restricted Working Space, Add		*64.71*	
40 05 23 23-0756	EA	1", Type 316, Schedule 10 Stainless Steel Tee		268.32	109.07
		For Work In Restricted Working Space, Add		*72.71*	
40 05 23 23-0757	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee		308.87	124.37
		For Work In Restricted Working Space, Add		*82.91*	
40 05 23 23-0758	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee		324.92	133.50
		For Work In Restricted Working Space, Add		*89.00*	
40 05 23 23-0759	EA	2", Type 316, Schedule 10 Stainless Steel Tee		352.59	145.60
		For Work In Restricted Working Space, Add		*97.07*	
40 05 23 23-0760	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee		430.47	174.47
		For Work In Restricted Working Space, Add		*116.31*	
40 05 23 23-0761	EA	3", Type 316, Schedule 10 Stainless Steel Tee		539.72	218.64
		For Work In Restricted Working Space, Add		*145.76*	
40 05 23 23-0762	EA	4", Type 316, Schedule 10 Stainless Steel Tee		624.34	245.38
		For Work In Restricted Working Space, Add		*163.59*	
40 05 23 23-0763	EA	6", Type 316, Schedule 10 Stainless Steel Tee		940.93	327.17
		For Work In Restricted Working Space, Add		*218.12*	
40 05 23 23-0764	EA	8", Type 316, Schedule 10 Stainless Steel Tee		1,600.69	487.38
		For Work In Restricted Working Space, Add		*324.92*	
40 05 23 23-0765	EA	10", Type 316, Schedule 10 Stainless Steel Tee		2,512.63	731.07
		For Work In Restricted Working Space, Add		*487.38*	
40 05 23 23-0766	EA	12", Type 316, Schedule 10 Stainless Steel Tee		3,248.30	913.84
		For Work In Restricted Working Space, Add		*609.23*	
40 05 23 23-0767	EA	14", Type 316, Schedule 10 Stainless Steel Tee		4,209.29	1,098.18
		For Work In Restricted Working Space, Add		*732.12*	
40 05 23 23-0768	EA	16", Type 316, Schedule 10 Stainless Steel Tee		4,947.64	1,339.66
		For Work In Restricted Working Space, Add		*893.11*	
40 05 23 23-0769	EA	18", Type 316, Schedule 10 Stainless Steel Tee		6,286.90	1,705.84
		For Work In Restricted Working Space, Add		*1,137.23*	
40 05 23 23-0770	EA	20", Type 316, Schedule 10 Stainless Steel Tee		8,508.38	2,244.52
		For Work In Restricted Working Space, Add		*1,496.35*	
40 05 23 23-0771	EA	24", Type 316, Schedule 10 Stainless Steel Tee		12,065.91	3,411.67
		For Work In Restricted Working Space, Add		*2,274.45*	
40 05 23 23-0772		Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0695)*			
40 05 23 23-0773	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee		196.08	66.06
		For Work In Restricted Working Space, Add		*44.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0774	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	231.44	80.95
		For Work In Restricted Working Space, Add	*53.96*	
40 05 23 23-0775	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	287.68	90.96
		For Work In Restricted Working Space, Add	*60.64*	
40 05 23 23-0776	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	289.23	103.69
		For Work In Restricted Working Space, Add	*69.13*	
40 05 23 23-0777	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	306.42	111.41
		For Work In Restricted Working Space, Add	*74.28*	
40 05 23 23-0778	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	434.43	121.42
		For Work In Restricted Working Space, Add	*80.95*	
40 05 23 23-0779	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	407.83	145.54
		For Work In Restricted Working Space, Add	*97.03*	
40 05 23 23-0780	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	557.00	181.91
		For Work In Restricted Working Space, Add	*121.27*	
40 05 23 23-0781	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	814.40	207.85
		For Work In Restricted Working Space, Add	*138.57*	
40 05 23 23-0782	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,628.04	304.61
		For Work In Restricted Working Space, Add	*203.07*	
40 05 23 23-0783	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,058.89	406.16
		For Work In Restricted Working Space, Add	*270.77*	
40 05 23 23-0784	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,966.74	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0785	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,493.44	731.92
		For Work In Restricted Working Space, Add	*487.94*	
40 05 23 23-0786	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	5,574.55	892.80
		For Work In Restricted Working Space, Add	*595.20*	
40 05 23 23-0787	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	7,209.44	1,137.23
		For Work In Restricted Working Space, Add	*758.15*	
40 05 23 23-0788	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	10,337.02	1,496.35
		For Work In Restricted Working Space, Add	*997.57*	
40 05 23 23-0789	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	16,217.44	2,272.42
		For Work In Restricted Working Space, Add	*1,514.96*	

40 05 23 23-0790 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0695)*

40 05 23 23-0791	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	149.92	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0792	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	165.72	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0793	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	185.16	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0794	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	192.56	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0795	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	208.99	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0796	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	278.38	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0797	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	325.40	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0798	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	352.64	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0799	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	496.33	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0800	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	774.92	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0801	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,008.65	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0802	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,350.35	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0803	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,939.46	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0804	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,257.20	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0805	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,790.57	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0806	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,951.83	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0807	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,729.72	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	
40 05 23 23-0808	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	179.61	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0809	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	200.98	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0810	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	226.96	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0811	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	241.45	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0812	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	239.16	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0813	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	320.08	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0814	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	368.17	124.26
		For Work In Restricted Working Space, Add	*82.84*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0815		EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	410.64	145.60
			For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0816		EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	596.01	185.37
			For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0817		EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	990.94	292.43
			For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0818		EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,380.67	365.55
			For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0819		EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,736.39	487.38
			For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0820		EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,671.53	639.69
			For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0821		EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,142.01	728.99
			For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0822		EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,889.87	913.84
			For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0823		EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	5,709.97	1,218.46
			For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0824		EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	7,817.65	1,827.69
			For Work In Restricted Working Space, Add	*1,218.46*	

40 05 23 23-0825 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0695)*

40 05 23 23-0826		EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	85.92	31.11
			For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-0827		EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	95.90	33.02
			For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-0828		EA	1", Type 316, Schedule 10 Stainless Steel Cap	105.07	36.28
			For Work In Restricted Working Space, Add	*24.19*	
40 05 23 23-0829		EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	114.96	39.55
			For Work In Restricted Working Space, Add	*26.36*	
40 05 23 23-0830		EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	123.79	43.67
			For Work In Restricted Working Space, Add	*29.12*	
40 05 23 23-0831		EA	2", Type 316, Schedule 10 Stainless Steel Cap	128.97	48.59
			For Work In Restricted Working Space, Add	*32.39*	
40 05 23 23-0832		EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	160.42	62.19
			For Work In Restricted Working Space, Add	*41.46*	
40 05 23 23-0833		EA	3", Type 316, Schedule 10 Stainless Steel Cap	190.22	72.89
			For Work In Restricted Working Space, Add	*48.59*	
40 05 23 23-0834		EA	4", Type 316, Schedule 10 Stainless Steel Cap	227.85	87.23
			For Work In Restricted Working Space, Add	*58.16*	
40 05 23 23-0835		EA	6", Type 316, Schedule 10 Stainless Steel Cap	299.07	109.15
			For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0836		EA	8", Type 316, Schedule 10 Stainless Steel Cap	507.63	182.77
			For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-0837		EA	10", Type 316, Schedule 10 Stainless Steel Cap	672.90	243.69
			For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-0838		EA	12", Type 316, Schedule 10 Stainless Steel Cap	988.36	365.52
			For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0839		EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,148.99	426.46
			For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-0840		EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,322.72	486.46
			For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-0841		EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,668.70	609.22
			For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0842		EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,308.33	852.92
			For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0843		EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,517.27	1,218.45
			For Work In Restricted Working Space, Add	*812.30*	

40 05 23 23-0844 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0845 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0844)*

40 05 23 23-0846		LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	24.24	5.46
			For Work In Restricted Working Space, Add	*3.28*	
40 05 23 23-0847		LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	29.45	6.67
			For Work In Restricted Working Space, Add	*4.01*	
40 05 23 23-0848		LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	36.09	7.89
			For Work In Restricted Working Space, Add	*4.70*	
40 05 23 23-0849		LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	45.11	9.70
			For Work In Restricted Working Space, Add	*5.87*	
40 05 23 23-0850		LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	51.98	10.92
			For Work In Restricted Working Space, Add	*6.62*	
40 05 23 23-0851		LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	66.62	13.95
			For Work In Restricted Working Space, Add	*8.19*	
40 05 23 23-0852		LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	82.75	15.76
			For Work In Restricted Working Space, Add	*9.36*	
40 05 23 23-0853		LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	80.52	17.59
			For Work In Restricted Working Space, Add	*10.55*	
40 05 23 23-0854		LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	133.36	20.62
			For Work In Restricted Working Space, Add	*12.48*	
40 05 23 23-0855		LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	207.93	27.28
			For Work In Restricted Working Space, Add	*16.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0856	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	366.18	48.02
		For Work In Restricted Working Space, Add	*31.01*	
40 05 23 23-0857	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	464.12	53.07
		For Work In Restricted Working Space, Add	*34.12*	
40 05 23 23-0858	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	578.96	58.75
		For Work In Restricted Working Space, Add	*37.91*	
40 05 23 23-0859		**Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows** *(40 05 23 23-0844)*		
40 05 23 23-0860	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	148.55	62.22
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-0861	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	157.06	66.03
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-0862	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	173.11	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0863	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	188.54	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0864	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	207.85	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0865	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	235.04	97.18
		For Work In Restricted Working Space, Add	*64.78*	
40 05 23 23-0866	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	315.71	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0867	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	375.08	145.76
		For Work In Restricted Working Space, Add	*97.17*	
40 05 23 23-0868	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	481.65	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0869	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	771.51	217.94
		For Work In Restricted Working Space, Add	*145.30*	
40 05 23 23-0870	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,352.19	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0871	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,262.27	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0872	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,207.62	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0873	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,570.28	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0874	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,362.22	972.90
		For Work In Restricted Working Space, Add	*648.61*	
40 05 23 23-0875	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	5,580.60	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0876	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	7,508.71	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0877	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	10,915.90	2,436.91
		For Work In Restricted Working Space, Add	*1,624.61*	
40 05 23 23-0878		**Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows** *(40 05 23 23-0844)*		
40 05 23 23-0879	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	152.37	62.22
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-0880	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	160.88	66.03
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-0881	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	175.40	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0882	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	189.65	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0883	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	210.14	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0884	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	235.04	97.18
		For Work In Restricted Working Space, Add	*64.78*	
40 05 23 23-0885	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	315.71	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0886	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	360.19	145.76
		For Work In Restricted Working Space, Add	*97.17*	
40 05 23 23-0887	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	453.39	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0888	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	655.41	217.94
		For Work In Restricted Working Space, Add	*145.30*	
40 05 23 23-0889	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,147.63	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0890	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,790.85	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0891	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,576.55	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0892	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,917.13	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0893	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,290.66	972.90
		For Work In Restricted Working Space, Add	*648.61*	
40 05 23 23-0894	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	4,246.60	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0895	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,749.03	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0896	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	8,565.90	2,436.91
		For Work In Restricted Working Space, Add	*1,624.61*	

40 05 23 23-0897 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0844)*

40 05 23 23-0898	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	203.97	79.07
		For Work In Restricted Working Space, Add	*52.71*	
40 05 23 23-0899	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	243.95	97.07
		For Work In Restricted Working Space, Add	*64.71*	
40 05 23 23-0900	EA	1", Type 316, Schedule 40 Stainless Steel Tee	270.61	109.07
		For Work In Restricted Working Space, Add	*72.71*	
40 05 23 23-0901	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	312.20	124.37
		For Work In Restricted Working Space, Add	*82.91*	
40 05 23 23-0902	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	324.92	133.50
		For Work In Restricted Working Space, Add	*89.00*	
40 05 23 23-0903	EA	2", Type 316, Schedule 40 Stainless Steel Tee	354.12	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0904	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	444.08	174.47
		For Work In Restricted Working Space, Add	*116.31*	
40 05 23 23-0905	EA	3", Type 316, Schedule 40 Stainless Steel Tee	546.97	218.64
		For Work In Restricted Working Space, Add	*145.76*	
40 05 23 23-0906	EA	4", Type 316, Schedule 40 Stainless Steel Tee	636.95	245.38
		For Work In Restricted Working Space, Add	*163.59*	
40 05 23 23-0907	EA	6", Type 316, Schedule 40 Stainless Steel Tee	1,030.67	327.17
		For Work In Restricted Working Space, Add	*218.12*	
40 05 23 23-0908	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,831.26	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0909	EA	10", Type 316, Schedule 40 Stainless Steel Tee	3,121.40	731.07
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-0910	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,831.94	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0911	EA	14", Type 316, Schedule 40 Stainless Steel Tee	5,582.23	1,098.18
		For Work In Restricted Working Space, Add	*732.12*	
40 05 23 23-0912	EA	16", Type 316, Schedule 40 Stainless Steel Tee	6,926.09	1,339.66
		For Work In Restricted Working Space, Add	*893.11*	
40 05 23 23-0913	EA	18", Type 316, Schedule 40 Stainless Steel Tee	8,983.85	1,705.84
		For Work In Restricted Working Space, Add	*1,137.23*	
40 05 23 23-0914	EA	20", Type 316, Schedule 40 Stainless Steel Tee	11,659.30	2,244.52
		For Work In Restricted Working Space, Add	*1,496.35*	
40 05 23 23-0915	EA	24", Type 316, Schedule 40 Stainless Steel Tee	16,616.71	3,411.67
		For Work In Restricted Working Space, Add	*2,274.45*	

40 05 23 23-0916 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0844)*

40 05 23 23-0917	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	203.33	66.06
		For Work In Restricted Working Space, Add	*44.04*	
40 05 23 23-0918	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	236.40	80.95
		For Work In Restricted Working Space, Add	*53.96*	
40 05 23 23-0919	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	318.23	90.96
		For Work In Restricted Working Space, Add	*60.64*	
40 05 23 23-0920	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	301.07	103.69
		For Work In Restricted Working Space, Add	*69.13*	
40 05 23 23-0921	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	306.42	111.41
		For Work In Restricted Working Space, Add	*74.28*	
40 05 23 23-0922	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	436.72	121.42
		For Work In Restricted Working Space, Add	*80.95*	
40 05 23 23-0923	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	424.25	145.54
		For Work In Restricted Working Space, Add	*97.03*	
40 05 23 23-0924	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	573.42	181.91
		For Work In Restricted Working Space, Add	*121.27*	
40 05 23 23-0925	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	824.71	207.85
		For Work In Restricted Working Space, Add	*138.57*	
40 05 23 23-0926	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,425.10	304.61
		For Work In Restricted Working Space, Add	*203.07*	
40 05 23 23-0927	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,109.63	406.16
		For Work In Restricted Working Space, Add	*270.77*	
40 05 23 23-0928	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,068.21	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0929	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,604.77	731.92
		For Work In Restricted Working Space, Add	*487.94*	
40 05 23 23-0930	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	5,713.98	892.80
		For Work In Restricted Working Space, Add	*595.20*	
40 05 23 23-0931	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	7,391.27	1,137.23
		For Work In Restricted Working Space, Add	*758.15*	
40 05 23 23-0932	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	10,609.31	1,496.35
		For Work In Restricted Working Space, Add	*997.57*	
40 05 23 23-0933	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	16,651.11	2,272.42
		For Work In Restricted Working Space, Add	*1,514.96*	

40 05 23 23-0934 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0844)*

40 05 23 23-0935	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	156.03	60.08
		For Work In Restricted Working Space, Add	*40.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0936	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	171.83	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0937	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	187.93	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0938	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	199.44	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0939	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	213.20	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0940	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	291.82	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0941	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	310.50	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0942	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	357.94	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0943	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	499.00	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0944	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	854.84	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0945	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,159.19	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0946	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,458.41	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0947	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,145.29	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0948	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,476.26	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0949	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	3,337.74	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0950	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,537.13	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0951	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	6,468.79	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	
40 05 23 23-0952	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	199.19	60.08
		For Work In Restricted Working Space, Add	*40.05*	
40 05 23 23-0953	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	211.17	65.46
		For Work In Restricted Working Space, Add	*43.64*	
40 05 23 23-0954	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	246.82	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-0955	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	253.29	79.09
		For Work In Restricted Working Space, Add	*52.73*	
40 05 23 23-0956	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	270.48	87.35
		For Work In Restricted Working Space, Add	*58.23*	
40 05 23 23-0957	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	320.08	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0958	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	420.87	124.26
		For Work In Restricted Working Space, Add	*82.84*	
40 05 23 23-0959	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	452.65	145.60
		For Work In Restricted Working Space, Add	*97.07*	
40 05 23 23-0960	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	654.44	185.37
		For Work In Restricted Working Space, Add	*123.58*	
40 05 23 23-0961	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	971.15	292.43
		For Work In Restricted Working Space, Add	*194.96*	
40 05 23 23-0962	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,414.89	365.55
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0963	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,969.85	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-0964	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,004.56	639.69
		For Work In Restricted Working Space, Add	*426.46*	
40 05 23 23-0965	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,465.47	728.99
		For Work In Restricted Working Space, Add	*485.99*	
40 05 23 23-0966	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,689.99	913.84
		For Work In Restricted Working Space, Add	*609.23*	
40 05 23 23-0967	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	6,008.36	1,218.46
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-0968	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	9,007.07	1,827.69
		For Work In Restricted Working Space, Add	*1,218.46*	

40 05 23 23-0969 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0844)*

40 05 23 23-0970	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	86.69	31.11
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-0971	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	95.52	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-0972	EA	1", Type 316, Schedule 40 Stainless Steel Cap	105.84	36.28
		For Work In Restricted Working Space, Add	*24.19*	
40 05 23 23-0973	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	122.04	39.55
		For Work In Restricted Working Space, Add	*26.36*	
40 05 23 23-0974	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	118.06	43.67
		For Work In Restricted Working Space, Add	*29.12*	
40 05 23 23-0975	EA	2", Type 316, Schedule 40 Stainless Steel Cap	134.32	48.59
		For Work In Restricted Working Space, Add	*32.39*	
40 05 23 23-0976	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	167.36	62.19
		For Work In Restricted Working Space, Add	*41.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0977	EA	3", Type 316, Schedule 40 Stainless Steel Cap	191.37	72.89
		For Work In Restricted Working Space, Add	*48.59*	
40 05 23 23-0978	EA	4", Type 316, Schedule 40 Stainless Steel Cap	236.25	87.23
		For Work In Restricted Working Space, Add	*58.16*	
40 05 23 23-0979	EA	6", Type 316, Schedule 40 Stainless Steel Cap	334.21	109.15
		For Work In Restricted Working Space, Add	*72.77*	
40 05 23 23-0980	EA	8", Type 316, Schedule 40 Stainless Steel Cap	573.62	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-0981	EA	10", Type 316, Schedule 40 Stainless Steel Cap	770.03	243.69
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-0982	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,147.20	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-0983	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,302.93	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-0984	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,460.61	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-0985	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,870.60	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-0986	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,562.50	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-0987	EA	24", Type 316, Schedule 40 Stainless Steel Cap	4,012.24	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	

40 05 23 23-0988 Type 316, Schedule 40 Stainless Steel Butt Half Coupling *(40 05 23 23-0844)*

Note: Threaded Female x Butt Weld Straight Adapter

40 05 23 23-0989	EA	1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	132.81	62.22
		For Work In Restricted Working Space, Add	*37.33*	
40 05 23 23-0990	EA	3/4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	144.25	66.09
		For Work In Restricted Working Space, Add	*39.62*	
40 05 23 23-0991	EA	1", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	164.97	72.52
		For Work In Restricted Working Space, Add	*43.55*	
40 05 23 23-0992	EA	1-1/4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	188.13	79.07
		For Work In Restricted Working Space, Add	*47.44*	
40 05 23 23-0993	EA	1-1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	216.58	87.31
		For Work In Restricted Working Space, Add	*52.39*	
40 05 23 23-0994	EA	2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	241.84	97.14
		For Work In Restricted Working Space, Add	*58.32*	
40 05 23 23-0995	EA	2-1/2", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	364.13	124.43
		For Work In Restricted Working Space, Add	*74.62*	
40 05 23 23-0996	EA	3", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	436.73	145.78
		For Work In Restricted Working Space, Add	*87.46*	
40 05 23 23-0997	EA	4", Type 316, Schedule 40 Stainless Steel, Threaded Female x Butt Weld Straight Adapter, Half Coupling	588.38	174.52
		For Work In Restricted Working Space, Add	*104.67*	

40 05 23 23-0998 Valves *(40 05 23 23-0231)*

40 05 23 23-0999 Gate Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1000	EA	1/2" Gate Valve, Stainless Steel, Flanged	710.86	62.39
		For Work In Restricted Working Space, Add	*23.40*	
		For Class 200, Deduct	*-169.29*	
		For Class 300, Add	*594.90*	
40 05 23 23-1001	EA	3/4" Gate Valve, Stainless Steel, Flanged	772.22	64.99
		For Work In Restricted Working Space, Add	*27.30*	
		For Class 200, Deduct	*-182.23*	
		For Class 300, Add	*640.36*	
40 05 23 23-1002	EA	1" Gate Valve, Stainless Steel, Flanged	951.49	97.49
		For Work In Restricted Working Space, Add	*36.79*	
		For Class 200, Deduct	*-221.72*	
		For Class 300, Add	*779.13*	
40 05 23 23-1003	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,199.97	113.74
		For Work In Restricted Working Space, Add	*42.39*	
		For Class 200, Deduct	*-283.20*	
		For Class 300, Add	*995.16*	
40 05 23 23-1004	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,352.53	143.17
		For Work In Restricted Working Space, Add	*53.69*	
		For Class 200, Deduct	*-313.93*	
		For Class 300, Add	*1,103.16*	
40 05 23 23-1005	EA	2" Gate Valve, Stainless Steel, Flanged	1,605.48	173.28
		For Work In Restricted Working Space, Add	*65.00*	
		For Class 200, Deduct	*-371.51*	
		For Class 300, Add	*1,305.50*	
40 05 23 23-1006	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,308.36	188.49
		For Work In Restricted Working Space, Add	*70.90*	
		For Class 300, Add	*1,947.70*	
40 05 23 23-1007	EA	3" Gate Valve, Stainless Steel, Flanged	2,599.67	220.98
		For Work In Restricted Working Space, Add	*82.97*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-1008	EA	4" Gate Valve, Stainless Steel, Flanged	3,436.05	370.46
		For Work In Restricted Working Space, Add	*139.28*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-1009	EA	6" Gate Valve, Stainless Steel, Flanged	5,752.74	467.96
		For Work In Restricted Working Space, Add	*176.11*	
		For Class 300, Add	*4,855.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1010	EA	8" Gate Valve, Stainless Steel, Flanged	12,563.94	597.95
		For Work In Restricted Working Space, Add	*222.83*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-1011	EA	10" Gate Valve, Stainless Steel, Flanged	17,710.16	727.93
		For Work In Restricted Working Space, Add	*272.97*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-1012	EA	12" Gate Valve, Stainless Steel, Flanged	26,670.87	883.91
		For Work In Restricted Working Space, Add	*330.88*	
		For Class 300, Add	*24,033.86*	

40 05 23 23-1013 Globe Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1014	EA	1/2" Globe Valve, Stainless Steel, Flanged	972.01	62.39
		For Work In Restricted Working Space, Add	*23.40*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-1015	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,075.70	64.99
		For Work In Restricted Working Space, Add	*27.30*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-1016	EA	1" Globe Valve, Stainless Steel, Flanged	1,340.56	97.49
		For Work In Restricted Working Space, Add	*36.79*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-1017	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,992.90	143.17
		For Work In Restricted Working Space, Add	*53.69*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-1018	EA	2" Globe Valve, Stainless Steel, Flanged	2,432.26	173.28
		For Work In Restricted Working Space, Add	*65.00*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-1019	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,900.79	188.49
		For Work In Restricted Working Space, Add	*70.90*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1020	EA	3" Globe Valve, Stainless Steel, Flanged	5,070.59	220.98
		For Work In Restricted Working Space, Add	*82.97*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1021	EA	4" Globe Valve, Stainless Steel, Flanged	6,035.66	370.46
		For Work In Restricted Working Space, Add	*139.28*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1022	EA	6" Globe Valve, Stainless Steel, Flanged	11,146.81	467.96
		For Work In Restricted Working Space, Add	*176.11*	
		For Class 300, Add	*9,926.18*	

40 05 23 23-1023 Check Valves, Class 150 *(40 05 23 23-0998)*

40 05 23 23-1024	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,208.93	188.49
		For Work In Restricted Working Space, Add	*70.90*	
		For Class 300, Add	*1,854.23*	
40 05 23 23-1025	EA	3" Check Valve, Stainless Steel, Flanged	2,310.67	220.98
		For Work In Restricted Working Space, Add	*82.97*	
		For Class 300, Add	*1,912.05*	
40 05 23 23-1026	EA	4" Check Valve, Stainless Steel, Flanged	3,629.91	370.46
		For Work In Restricted Working Space, Add	*139.28*	
		For Class 300, Add	*2,975.72*	
40 05 23 23-1027	EA	6" Check Valve, Stainless Steel, Flanged	6,244.82	467.96
		For Work In Restricted Working Space, Add	*176.11*	
		For Class 300, Add	*5,318.31*	
40 05 23 23-1028	EA	8" Check Valve, Stainless Steel, Flanged	10,980.65	597.95
		For Work In Restricted Working Space, Add	*222.83*	
		For Class 300, Add	*9,623.60*	

40 05 23 23-1029 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1030	EA	1/2", Stainless Steel Thread-o-let Fitting	103.28	37.73
		For Work In Restricted Working Space, Add	*25.16*	
40 05 23 23-1031	EA	3/4", Stainless Steel Thread-o-let Fitting	136.08	50.31
		For Work In Restricted Working Space, Add	*33.54*	
40 05 23 23-1032	EA	1", Stainless Steel Thread-o-let Fitting	167.54	62.39
		For Work In Restricted Working Space, Add	*41.60*	
40 05 23 23-1033	EA	1-1/4", Stainless Steel Thread-o-let Fitting	241.05	88.29
		For Work In Restricted Working Space, Add	*58.86*	
40 05 23 23-1034	EA	1-1/2", Stainless Steel Thread-o-let Fitting	266.09	99.57
		For Work In Restricted Working Space, Add	*66.38*	
40 05 23 23-1035	EA	2", Stainless Steel Thread-o-let Fitting	332.12	126.48
		For Work In Restricted Working Space, Add	*84.32*	
40 05 23 23-1036	EA	2-1/2", Stainless Steel Thread-o-let Fitting	604.55	194.98
		For Work In Restricted Working Space, Add	*129.99*	
40 05 23 23-1037	EA	3", Stainless Steel Thread-o-let Fitting	814.22	248.92
		For Work In Restricted Working Space, Add	*165.94*	
40 05 23 23-1038	EA	4", Stainless Steel Thread-o-let Fitting	1,079.46	311.97
		For Work In Restricted Working Space, Add	*207.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1039		Stainless Steel Flanges *(40 05 23 23-0231)*		
40 05 23 23-1040		150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*		
40 05 23 23-1041	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	79.81	20.97
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-1042	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	98.00	27.96
		For Work In Restricted Working Space, Add	*16.77*	
40 05 23 23-1043	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	116.48	34.66
		For Work In Restricted Working Space, Add	*20.80*	
40 05 23 23-1044	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	157.88	49.06
		For Work In Restricted Working Space, Add	*29.43*	
40 05 23 23-1045	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	170.41	55.31
		For Work In Restricted Working Space, Add	*33.19*	
40 05 23 23-1046	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	218.84	70.25
		For Work In Restricted Working Space, Add	*42.16*	
40 05 23 23-1047	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	326.09	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-1048	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	391.07	220.98
		For Work In Restricted Working Space, Add	*82.97*	
40 05 23 23-1049	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	503.23	173.28
		For Work In Restricted Working Space, Add	*103.99*	
40 05 23 23-1050		300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*		
40 05 23 23-1051	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	101.71	20.97
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-1052	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	115.69	27.96
		For Work In Restricted Working Space, Add	*16.77*	
40 05 23 23-1053	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	129.11	34.66
		For Work In Restricted Working Space, Add	*20.80*	
40 05 23 23-1054	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	189.89	49.06
		For Work In Restricted Working Space, Add	*29.43*	
40 05 23 23-1055	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	202.42	55.31
		For Work In Restricted Working Space, Add	*33.19*	
40 05 23 23-1056	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	251.67	70.25
		For Work In Restricted Working Space, Add	*42.16*	
40 05 23 23-1057	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	399.34	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-1058	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	465.98	220.98
		For Work In Restricted Working Space, Add	*82.97*	
40 05 23 23-1059	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	618.57	173.28
		For Work In Restricted Working Space, Add	*103.99*	
40 05 23 23-1060		150 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*		
40 05 23 23-1061	EA	1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	107.00	31.10
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1062	EA	3/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	115.46	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-1063	EA	1", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	129.46	36.28
		For Work In Restricted Working Space, Add	*24.20*	
40 05 23 23-1064	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	157.86	39.58
		For Work In Restricted Working Space, Add	*26.39*	
40 05 23 23-1065	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	166.85	43.63
		For Work In Restricted Working Space, Add	*29.09*	
40 05 23 23-1066	EA	2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	185.46	48.60
		For Work In Restricted Working Space, Add	*32.40*	
40 05 23 23-1067	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	255.14	62.14
		For Work In Restricted Working Space, Add	*41.43*	
40 05 23 23-1068	EA	3", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	289.65	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1069	EA	4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	372.21	87.17
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-1070	EA	6", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	550.16	108.91
		For Work In Restricted Working Space, Add	*72.62*	
40 05 23 23-1071	EA	8", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	928.09	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-1072	EA	10", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	1,311.79	243.68
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-1073	EA	12", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,014.40	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1074	EA	14", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,509.83	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1075	EA	16", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	3,119.50	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-1076	EA	18", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	3,830.16	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-1077	EA	20", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	4,980.49	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-1078	EA	24", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	7,079.58	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1079		**300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange** *(40 05 23 23-1039)*		
40 05 23 23-1080	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	133.11	31.10
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1081	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	137.36	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-1082	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	144.64	36.28
		For Work In Restricted Working Space, Add	*24.20*	
40 05 23 23-1083	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	187.28	39.58
		For Work In Restricted Working Space, Add	*26.39*	
40 05 23 23-1084	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	196.27	43.63
		For Work In Restricted Working Space, Add	*29.09*	
40 05 23 23-1085	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	210.72	48.60
		For Work In Restricted Working Space, Add	*32.40*	
40 05 23 23-1086	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	298.89	62.14
		For Work In Restricted Working Space, Add	*41.43*	
40 05 23 23-1087	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	338.46	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1088	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	486.67	87.17
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-1089	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	679.80	108.91
		For Work In Restricted Working Space, Add	*72.62*	
40 05 23 23-1090	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,251.34	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-1091	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,738.61	243.68
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-1092	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	2,556.57	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1093	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	3,366.88	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1094	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	4,144.43	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-1095	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	5,289.63	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-1096	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	6,847.82	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-1097	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	9,963.56	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	
40 05 23 23-1098		**150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1039)*		
40 05 23 23-1099	EA	1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	171.91	62.21
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-1100	EA	3/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	181.27	66.02
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-1101	EA	1", 150 Lb., Type 304 Stainless Steel Slip-On Flange	199.16	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-1102	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	227.26	79.15
		For Work In Restricted Working Space, Add	*52.77*	
40 05 23 23-1103	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	245.25	87.24
		For Work In Restricted Working Space, Add	*58.17*	
40 05 23 23-1104	EA	2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	282.53	97.19
		For Work In Restricted Working Space, Add	*64.80*	
40 05 23 23-1105	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	369.66	124.28
		For Work In Restricted Working Space, Add	*82.86*	
40 05 23 23-1106	EA	3", 150 Lb., Type 304 Stainless Steel Slip-On Flange	423.57	145.50
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-1107	EA	4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	523.85	174.35
		For Work In Restricted Working Space, Add	*116.24*	
40 05 23 23-1108	EA	6", 150 Lb., Type 304 Stainless Steel Slip-On Flange	692.04	217.84
		For Work In Restricted Working Space, Add	*145.23*	
40 05 23 23-1109	EA	8", 150 Lb., Type 304 Stainless Steel Slip-On Flange	1,205.45	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1110	EA	10" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,693.39	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-1111	EA	12" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,526.21	731.06
		For Work In Restricted Working Space, Add	*487.38*	
40 05 23 23-1112		**300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges** *(40 05 23 23-1039)*		
40 05 23 23-1113	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Neck Slip-On Flange	188.75	62.21
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-1114	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	197.26	66.02
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-1115	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	211.79	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-1116	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	253.36	79.15
		For Work In Restricted Working Space, Add	*52.77*	
40 05 23 23-1117	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	271.35	87.24
		For Work In Restricted Working Space, Add	*58.17*	
40 05 23 23-1118	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	300.17	97.19
		For Work In Restricted Working Space, Add	*64.80*	
40 05 23 23-1119	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	435.35	124.28
		For Work In Restricted Working Space, Add	*82.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1120	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	489.22	145.50
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-1121	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	614.75	174.35
		For Work In Restricted Working Space, Add	*116.24*	
40 05 23 23-1122	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	948.79	217.84
		For Work In Restricted Working Space, Add	*145.23*	
40 05 23 23-1123	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,464.71	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1124	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,110.94	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-1125	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	3,063.31	731.06
		For Work In Restricted Working Space, Add	*487.38*	

40 05 23 23-1126 150 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1127	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	63.58	12.43
		For Work In Restricted Working Space, Add	*8.30*	
40 05 23 23-1128	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	66.38	13.19
		For Work In Restricted Working Space, Add	*8.81*	
40 05 23 23-1129	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	71.84	14.51
		For Work In Restricted Working Space, Add	*9.68*	
40 05 23 23-1130	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	92.31	16.15
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-1131	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	104.93	21.83
		For Work In Restricted Working Space, Add	*14.55*	
40 05 23 23-1132	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	123.75	24.23
		For Work In Restricted Working Space, Add	*16.16*	
40 05 23 23-1133	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	168.57	31.16
		For Work In Restricted Working Space, Add	*20.78*	
40 05 23 23-1134	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	206.46	43.66
		For Work In Restricted Working Space, Add	*29.11*	
40 05 23 23-1135	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	314.89	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1136	EA	6", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	431.79	93.54
		For Work In Restricted Working Space, Add	*62.36*	
40 05 23 23-1137	EA	8", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	662.70	113.72
		For Work In Restricted Working Space, Add	*75.82*	
40 05 23 23-1138	EA	10", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,015.45	136.47
		For Work In Restricted Working Space, Add	*90.98*	
40 05 23 23-1139	EA	12", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,342.95	170.59
		For Work In Restricted Working Space, Add	*113.72*	
40 05 23 23-1140	EA	14", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,706.87	213.23
		For Work In Restricted Working Space, Add	*142.15*	
40 05 23 23-1141	EA	16", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,199.34	243.22
		For Work In Restricted Working Space, Add	*162.15*	
40 05 23 23-1142	EA	18", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,601.87	304.61
		For Work In Restricted Working Space, Add	*203.08*	
40 05 23 23-1143	EA	20", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,458.11	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1144	EA	24", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,035.19	609.22
		For Work In Restricted Working Space, Add	*406.15*	

40 05 23 23-1145 300 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1146	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	80.71	12.43
		For Work In Restricted Working Space, Add	*8.30*	
40 05 23 23-1147	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	82.41	13.19
		For Work In Restricted Working Space, Add	*8.81*	
40 05 23 23-1148	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	85.32	14.51
		For Work In Restricted Working Space, Add	*9.68*	
40 05 23 23-1149	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	108.29	16.15
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-1150	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	120.91	21.83
		For Work In Restricted Working Space, Add	*14.55*	
40 05 23 23-1151	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	132.16	24.23
		For Work In Restricted Working Space, Add	*16.16*	
40 05 23 23-1152	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	227.49	31.16
		For Work In Restricted Working Space, Add	*20.78*	
40 05 23 23-1153	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	261.60	43.66
		For Work In Restricted Working Space, Add	*29.11*	
40 05 23 23-1154	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	383.89	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1155	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	716.31	93.54
		For Work In Restricted Working Space, Add	*62.36*	
40 05 23 23-1156	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,002.79	113.72
		For Work In Restricted Working Space, Add	*75.82*	
40 05 23 23-1157	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,429.60	136.47
		For Work In Restricted Working Space, Add	*90.98*	
40 05 23 23-1158	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,978.53	170.59
		For Work In Restricted Working Space, Add	*113.72*	
40 05 23 23-1159	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,766.94	213.23
		For Work In Restricted Working Space, Add	*142.15*	
40 05 23 23-1160	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,537.71	243.22
		For Work In Restricted Working Space, Add	*162.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1161	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,616.10	304.61
		For Work In Restricted Working Space, Add	*203.08*	
40 05 23 23-1162	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,847.88	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1163	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	8,965.78	609.22
		For Work In Restricted Working Space, Add	*406.15*	

40 05 23 23-1164 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*

40 05 23 23-1165	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	94.99	20.97
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-1166	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	117.39	27.96
		For Work In Restricted Working Space, Add	*16.77*	
40 05 23 23-1167	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	134.97	34.66
		For Work In Restricted Working Space, Add	*20.80*	
40 05 23 23-1168	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	185.64	49.06
		For Work In Restricted Working Space, Add	*29.43*	
40 05 23 23-1169	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	198.17	55.31
		For Work In Restricted Working Space, Add	*33.19*	
40 05 23 23-1170	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	249.16	70.25
		For Work In Restricted Working Space, Add	*42.16*	
40 05 23 23-1171	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	369.88	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-1172	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	447.48	220.98
		For Work In Restricted Working Space, Add	*82.97*	
40 05 23 23-1173	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	582.35	173.28
		For Work In Restricted Working Space, Add	*103.99*	

40 05 23 23-1174 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1039)*

40 05 23 23-1175	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	123.60	20.97
		For Work In Restricted Working Space, Add	*12.58*	
40 05 23 23-1176	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	137.58	27.96
		For Work In Restricted Working Space, Add	*16.77*	
40 05 23 23-1177	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	151.00	34.66
		For Work In Restricted Working Space, Add	*20.80*	
40 05 23 23-1178	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	231.98	49.06
		For Work In Restricted Working Space, Add	*29.43*	
40 05 23 23-1179	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	244.51	55.31
		For Work In Restricted Working Space, Add	*33.19*	
40 05 23 23-1180	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	288.70	70.25
		For Work In Restricted Working Space, Add	*42.16*	
40 05 23 23-1181	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	482.67	108.28
		For Work In Restricted Working Space, Add	*65.00*	
40 05 23 23-1182	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	551.01	220.98
		For Work In Restricted Working Space, Add	*82.97*	
40 05 23 23-1183	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	754.07	173.28
		For Work In Restricted Working Space, Add	*103.99*	

40 05 23 23-1184 150 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*

40 05 23 23-1185	EA	1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	126.35	31.10
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1186	EA	3/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	134.85	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-1187	EA	1", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	151.35	36.28
		For Work In Restricted Working Space, Add	*24.20*	
40 05 23 23-1188	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	186.47	39.58
		For Work In Restricted Working Space, Add	*26.39*	
40 05 23 23-1189	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	195.46	43.63
		For Work In Restricted Working Space, Add	*29.09*	
40 05 23 23-1190	EA	2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	214.93	48.60
		For Work In Restricted Working Space, Add	*32.40*	
40 05 23 23-1191	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	304.75	62.14
		For Work In Restricted Working Space, Add	*41.43*	
40 05 23 23-1192	EA	3", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	334.25	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1193	EA	4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	447.98	87.17
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-1194	EA	6", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	681.50	108.91
		For Work In Restricted Working Space, Add	*72.62*	
40 05 23 23-1195	EA	8", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,130.97	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-1196	EA	10", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,650.22	243.68
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-1197	EA	12", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,461.46	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1198	EA	14", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,880.08	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1199	EA	16", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	3,602.65	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-1200	EA	18", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	4,417.09	609.22
		For Work In Restricted Working Space, Add	*406.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1201	EA	20", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	5,711.72	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-1202	EA	24", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	8,115.79	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	

40 05 23 23-1203 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1039)*

40 05 23 23-1204	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	158.36	31.10
		For Work In Restricted Working Space, Add	*20.74*	
40 05 23 23-1205	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	162.61	33.02
		For Work In Restricted Working Space, Add	*22.01*	
40 05 23 23-1206	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	169.89	36.28
		For Work In Restricted Working Space, Add	*24.20*	
40 05 23 23-1207	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	221.84	39.58
		For Work In Restricted Working Space, Add	*26.39*	
40 05 23 23-1208	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	230.83	43.63
		For Work In Restricted Working Space, Add	*29.09*	
40 05 23 23-1209	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	252.81	48.60
		For Work In Restricted Working Space, Add	*32.40*	
40 05 23 23-1210	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	371.29	62.14
		For Work In Restricted Working Space, Add	*41.43*	
40 05 23 23-1211	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	406.66	72.76
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1212	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	612.94	87.17
		For Work In Restricted Working Space, Add	*58.12*	
40 05 23 23-1213	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	992.12	108.91
		For Work In Restricted Working Space, Add	*72.62*	
40 05 23 23-1214	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	1,570.42	182.77
		For Work In Restricted Working Space, Add	*121.85*	
40 05 23 23-1215	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	2,255.48	243.68
		For Work In Restricted Working Space, Add	*162.46*	
40 05 23 23-1216	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	3,315.86	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1217	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	4,471.25	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1218	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	5,542.89	486.46
		For Work In Restricted Working Space, Add	*324.31*	
40 05 23 23-1219	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	7,086.34	609.22
		For Work In Restricted Working Space, Add	*406.15*	
40 05 23 23-1220	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	9,108.64	852.92
		For Work In Restricted Working Space, Add	*568.61*	
40 05 23 23-1221	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	13,275.91	1,218.45
		For Work In Restricted Working Space, Add	*812.30*	

40 05 23 23-1222 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1039)*

40 05 23 23-1223	EA	1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	182.03	62.21
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-1224	EA	3/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	196.45	66.02
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-1225	EA	1", 150 Lb., Type 316 Stainless Steel Slip-On Flange	216.55	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-1226	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	290.69	79.15
		For Work In Restricted Working Space, Add	*52.77*	
40 05 23 23-1227	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	265.44	87.24
		For Work In Restricted Working Space, Add	*58.17*	
40 05 23 23-1228	EA	2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	287.54	97.19
		For Work In Restricted Working Space, Add	*64.80*	
40 05 23 23-1229	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	366.30	124.28
		For Work In Restricted Working Space, Add	*82.86*	
40 05 23 23-1230	EA	3", 150 Lb., Type 316 Stainless Steel Slip-On Flange	452.18	145.50
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-1231	EA	4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	584.44	174.35
		For Work In Restricted Working Space, Add	*116.24*	
40 05 23 23-1232	EA	6", 150 Lb., Type 316 Stainless Steel Slip-On Flange	782.09	217.84
		For Work In Restricted Working Space, Add	*145.23*	
40 05 23 23-1233	EA	8", 150 Lb., Type 316 Stainless Steel Slip-On Flange	1,391.45	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1234	EA	10" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,947.63	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-1235	EA	12" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,866.29	731.06
		For Work In Restricted Working Space, Add	*487.38*	

40 05 23 23-1236 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1039)*

40 05 23 23-1237	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Neck Slip-On Flange	205.59	62.21
		For Work In Restricted Working Space, Add	*41.47*	
40 05 23 23-1238	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	214.10	66.02
		For Work In Restricted Working Space, Add	*44.03*	
40 05 23 23-1239	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	228.63	72.57
		For Work In Restricted Working Space, Add	*48.38*	
40 05 23 23-1240	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	286.19	79.15
		For Work In Restricted Working Space, Add	*52.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1241	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	304.18	87.24
		For Work In Restricted Working Space, Add	*58.17*	
40 05 23 23-1242	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	331.21	97.19
		For Work In Restricted Working Space, Add	*64.80*	
40 05 23 23-1243	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	508.56	124.28
		For Work In Restricted Working Space, Add	*82.86*	
40 05 23 23-1244	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	564.13	145.50
		For Work In Restricted Working Space, Add	*97.01*	
40 05 23 23-1245	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	730.91	174.35
		For Work In Restricted Working Space, Add	*116.24*	
40 05 23 23-1246	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,118.01	217.84
		For Work In Restricted Working Space, Add	*145.23*	
40 05 23 23-1247	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,638.98	365.52
		For Work In Restricted Working Space, Add	*243.69*	
40 05 23 23-1248	EA	10" 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,678.32	487.38
		For Work In Restricted Working Space, Add	*324.92*	
40 05 23 23-1249	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	3,563.34	731.06
		For Work In Restricted Working Space, Add	*487.38*	

40 05 23 23-1250 150 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1251	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	71.44	12.43
		For Work In Restricted Working Space, Add	*8.30*	
40 05 23 23-1252	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	80.71	13.19
		For Work In Restricted Working Space, Add	*8.81*	
40 05 23 23-1253	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	91.19	14.51
		For Work In Restricted Working Space, Add	*9.68*	
40 05 23 23-1254	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	107.44	16.15
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-1255	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	120.06	21.83
		For Work In Restricted Working Space, Add	*14.55*	
40 05 23 23-1256	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	149.00	24.23
		For Work In Restricted Working Space, Add	*16.16*	
40 05 23 23-1257	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	208.15	31.16
		For Work In Restricted Working Space, Add	*20.78*	
40 05 23 23-1258	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	250.25	43.66
		For Work In Restricted Working Space, Add	*29.11*	
40 05 23 23-1259	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	388.95	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1260	EA	6", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	550.50	93.54
		For Work In Restricted Working Space, Add	*62.36*	
40 05 23 23-1261	EA	8", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	946.37	113.72
		For Work In Restricted Working Space, Add	*75.82*	
40 05 23 23-1262	EA	10", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,239.38	136.47
		For Work In Restricted Working Space, Add	*90.98*	
40 05 23 23-1263	EA	12", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,988.64	170.59
		For Work In Restricted Working Space, Add	*113.72*	
40 05 23 23-1264	EA	14", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,367.95	213.23
		For Work In Restricted Working Space, Add	*142.15*	
40 05 23 23-1265	EA	16", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,088.70	243.22
		For Work In Restricted Working Space, Add	*162.15*	
40 05 23 23-1266	EA	18", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,633.91	304.61
		For Work In Restricted Working Space, Add	*203.08*	
40 05 23 23-1267	EA	20", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,804.04	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1268	EA	24", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	7,008.91	609.22
		For Work In Restricted Working Space, Add	*406.15*	

40 05 23 23-1269 300 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1039)*

40 05 23 23-1270	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	109.32	12.43
		For Work In Restricted Working Space, Add	*8.30*	
40 05 23 23-1271	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	111.02	13.19
		For Work In Restricted Working Space, Add	*8.81*	
40 05 23 23-1272	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	113.93	14.51
		For Work In Restricted Working Space, Add	*9.68*	
40 05 23 23-1273	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	169.77	16.15
		For Work In Restricted Working Space, Add	*10.77*	
40 05 23 23-1274	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	182.39	21.83
		For Work In Restricted Working Space, Add	*14.55*	
40 05 23 23-1275	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	202.02	24.23
		For Work In Restricted Working Space, Add	*16.16*	
40 05 23 23-1276	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	335.27	31.16
		For Work In Restricted Working Space, Add	*20.78*	
40 05 23 23-1277	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	371.46	43.66
		For Work In Restricted Working Space, Add	*29.11*	
40 05 23 23-1278	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	569.09	72.74
		For Work In Restricted Working Space, Add	*48.50*	
40 05 23 23-1279	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,032.03	93.54
		For Work In Restricted Working Space, Add	*62.36*	
40 05 23 23-1280	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,329.44	113.72
		For Work In Restricted Working Space, Add	*75.82*	
40 05 23 23-1281	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,379.19	136.47
		For Work In Restricted Working Space, Add	*90.98*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1282	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,902.02	170.59
		For Work In Restricted Working Space, Add	*113.72*	
40 05 23 23-1283	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,185.37	213.23
		For Work In Restricted Working Space, Add	*142.15*	
40 05 23 23-1284	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	5,391.68	243.22
		For Work In Restricted Working Space, Add	*162.15*	
40 05 23 23-1285	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	7,052.74	304.61
		For Work In Restricted Working Space, Add	*203.08*	
40 05 23 23-1286	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	8,878.96	426.46
		For Work In Restricted Working Space, Add	*284.31*	
40 05 23 23-1287	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	13,674.26	609.22
		For Work In Restricted Working Space, Add	*406.15*	

40 05 23 23-1288 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

40 05 23 23-1289 Type 316 Seamless Annealed Tubing *(40 05 23 23-1288)*

40 05 23 23-1290	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	21.55
40 05 23 23-1291	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	26.36
40 05 23 23-1292	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	31.77

40 05 23 23-1293 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1288)*

Note: Pressure rating 5,000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1294	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	73.39
40 05 23 23-1295	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	76.37
40 05 23 23-1296	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	117.00
40 05 23 23-1297	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	70.16
40 05 23 23-1298	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	115.83
40 05 23 23-1299	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	87.42
40 05 23 23-1300	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	108.59
40 05 23 23-1301	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	167.19
40 05 23 23-1302	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	106.37
40 05 23 23-1303	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	164.20
40 05 23 23-1304	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	104.21
40 05 23 23-1305	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	134.79
40 05 23 23-1306	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	223.20
40 05 23 23-1307	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	184.31
40 05 23 23-1308	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	227.00

40 05 23 23-1309 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1288)*

40 05 23 23-1310 Needle Valves *(40 05 23 23-1309)*

40 05 23 23-1311	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	421.30
40 05 23 23-1312	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	669.89

40 05 23 23-1313 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1309)*

40 05 23 23-1314	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	403.99

40 05 23 23-1315 Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1309)*

40 05 23 23-1316	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,681.29
40 05 23 23-1317	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	420.30
40 05 23 23-1318	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	80.44

40 05 31 Thermoplastic Process Pipe *(40 05)*

40 05 31 43 Polypropylene Process Pipe *(40 05 31)*

40 05 31 43-0001 Polypropylene (PP) Lined Steel Piping System *(40 05 31 43)*

40 05 31 43-0002 Polypropylene (PP) Lined Pipe And Fittings *(40 05 31 43-0001)*

40 05 31 43-0003 Pipe *(40 05 31 43-0002)*

40 05 31 43-0004	LF	3/4" Polypropylene (PP) Lined Pipe	82.89	2.52
40 05 31 43-0005	LF	1" Polypropylene (PP) Lined Pipe	83.31	2.75
40 05 31 43-0006	LF	1-1/4" Polypropylene (PP) Lined Pipe	112.42	2.99
40 05 31 43-0007	LF	1-1/2" Polypropylene (PP) Lined Pipe	112.54	2.99
40 05 31 43-0008	LF	2" Polypropylene (PP) Lined Pipe	108.42	3.59
40 05 31 43-0009	LF	2-1/2" Polypropylene (PP) Lined Pipe	158.57	4.31
40 05 31 43-0010	LF	3" Polypropylene (PP) Lined Pipe	189.36	5.14
40 05 31 43-0011	LF	4" Polypropylene (PP) Lined Pipe	279.29	7.78
40 05 31 43-0012	LF	6" Polypropylene (PP) Lined Pipe	479.87	10.29
40 05 31 43-0013	LF	8" Polypropylene (PP) Lined Pipe	743.41	12.32

40 05 31 43-0014 90 Degree Elbows *(40 05 31 43-0002)*

40 05 31 43-0015	EA	3/4" 90 Degree Elbow, Polypropylene (PP) Lined	631.69	10.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0016	EA	1" 90 Degree Elbow, Polypropylene (PP) Lined	637.87	12.80
40 05 31 43-0017	EA	1-1/4" 90 Degree Elbow, Polypropylene (PP) Lined	670.83	18.07
40 05 31 43-0018	EA	1-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	676.60	20.34
40 05 31 43-0019	EA	2" 90 Degree Elbow, Polypropylene (PP) Lined	780.55	25.84
40 05 31 43-0020	EA	2-1/2" 90 Degree Elbow, Polypropylene (PP) Lined	991.97	38.29
40 05 31 43-0021	EA	3" 90 Degree Elbow, Polypropylene (PP) Lined	1,202.58	50.37
40 05 31 43-0022	EA	4" 90 Degree Elbow, Polypropylene (PP) Lined	1,772.98	59.82
40 05 31 43-0023	EA	6" 90 Degree Elbow, Polypropylene (PP) Lined	2,746.98	68.32
40 05 31 43-0024	EA	8" 90 Degree Elbow, Polypropylene (PP) Lined	4,290.80	86.14
40 05 31 43-0025		**45 Degree Elbows** *(40 05 31 43-0002)*		
40 05 31 43-0026	EA	3/4" 45 Degree Elbow, Polypropylene (PP) Lined	558.60	10.29
40 05 31 43-0027	EA	1" 45 Degree Elbow, Polypropylene (PP) Lined	564.78	12.80
40 05 31 43-0028	EA	1-1/4" 45 Degree Elbow, Polypropylene (PP) Lined	642.78	18.07
40 05 31 43-0029	EA	1-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	648.55	20.34
40 05 31 43-0030	EA	2" 45 Degree Elbow, Polypropylene (PP) Lined	747.69	25.84
40 05 31 43-0031	EA	2-1/2" 45 Degree Elbow, Polypropylene (PP) Lined	1,002.47	38.29
40 05 31 43-0032	EA	3" 45 Degree Elbow, Polypropylene (PP) Lined	1,253.51	50.37
40 05 31 43-0033	EA	4" 45 Degree Elbow, Polypropylene (PP) Lined	1,642.19	59.82
40 05 31 43-0034	EA	6" 45 Degree Elbow, Polypropylene (PP) Lined	2,841.18	68.32
40 05 31 43-0035	EA	8" 45 Degree Elbow, Polypropylene (PP) Lined	4,321.07	79.80
40 05 31 43-0036		**Tees** *(40 05 31 43-0002)*		
40 05 31 43-0037	EA	3/4" Tee, Polypropylene (PP) Lined	853.17	15.43
40 05 31 43-0038	EA	1" Tee, Polypropylene (PP) Lined	865.49	20.34
40 05 31 43-0039	EA	1-1/4" Tee, Polypropylene (PP) Lined	1,021.92	25.84
40 05 31 43-0040	EA	1-1/2" Tee, Polypropylene (PP) Lined	1,034.44	30.87
40 05 31 43-0041	EA	2" Tee, Polypropylene (PP) Lined	1,184.12	38.29
40 05 31 43-0042	EA	2-1/2" Tee, Polypropylene (PP) Lined	1,393.83	50.37
40 05 31 43-0043	EA	3" Tee, Polypropylene (PP) Lined	1,596.93	59.82
40 05 31 43-0044	EA	4" Tee, Polypropylene (PP) Lined	2,086.29	79.80
40 05 31 43-0045	EA	6" Tee, Polypropylene (PP) Lined	2,841.29	102.89
40 05 31 43-0046	EA	8" Tee, Polypropylene (PP) Lined	5,362.83	127.54
40 05 31 43-0047		**Crosses** *(40 05 31 43-0002)*		
40 05 31 43-0048	EA	3/4" Cross, Polypropylene (PP) Lined	1,218.06	20.57
40 05 31 43-0049	EA	1" Cross, Polypropylene (PP) Lined	1,231.20	25.84
40 05 31 43-0050	EA	1-1/4" Cross, Polypropylene (PP) Lined	1,505.68	36.38
40 05 31 43-0051	EA	1-1/2" Cross, Polypropylene (PP) Lined	1,516.58	40.68
40 05 31 43-0052	EA	2" Cross, Polypropylene (PP) Lined	1,718.05	51.69
40 05 31 43-0053	EA	2-1/2" Cross, Polypropylene (PP) Lined	2,002.79	76.57
40 05 31 43-0054	EA	3" Cross, Polypropylene (PP) Lined	2,654.04	100.51
40 05 31 43-0055	EA	4" Cross, Polypropylene (PP) Lined	2,982.52	119.65
40 05 31 43-0056	EA	6" Cross, Polypropylene (PP) Lined	5,175.57	136.87
40 05 31 43-0057	EA	8" Cross, Polypropylene (PP) Lined	6,543.13	159.72
40 05 31 43-0058		**Reducers** *(40 05 31 43-0002)*		
40 05 31 43-0059	EA	1" Reducer, Polypropylene (PP) Lined	1,121.29	12.80
40 05 31 43-0060	EA	1-1/4" Reducer, Polypropylene (PP) Lined	1,134.52	18.07
40 05 31 43-0061	EA	1-1/2" Reducer, Polypropylene (PP) Lined	1,140.29	20.34
40 05 31 43-0062	EA	2" Reducer, Polypropylene (PP) Lined	1,344.15	25.84
40 05 31 43-0063	EA	2-1/2" Reducer, Polypropylene (PP) Lined	1,557.97	38.29
40 05 31 43-0064	EA	3" Reducer, Polypropylene (PP) Lined	1,741.74	50.37
40 05 31 43-0065	EA	4" Reducer, Polypropylene (PP) Lined	2,269.84	59.82
40 05 31 43-0066	EA	6" Reducer, Polypropylene (PP) Lined	3,128.35	68.32
40 05 31 43-0067	EA	8" Reducer, Polypropylene (PP) Lined	5,046.81	79.80
40 05 31 43-0068		**Unions** *(40 05 31 43-0002)*		
40 05 31 43-0069	EA	3/4" Union, Polypropylene (PP) Lined	927.91	15.43
40 05 31 43-0070	EA	1" Union, Polypropylene (PP) Lined	1,067.26	20.34
40 05 31 43-0071	EA	1-1/4" Union, Polypropylene (PP) Lined	2,079.22	25.84
40 05 31 43-0072	EA	1-1/2" Union, Polypropylene (PP) Lined	2,356.73	30.87
40 05 31 43-0073	EA	2" Union, Polypropylene (PP) Lined	3,184.71	38.29
40 05 31 43-0074	EA	2-1/2" Union, Polypropylene (PP) Lined	4,626.94	50.37
40 05 31 43-0075	EA	3" Union, Polypropylene (PP) Lined	5,902.86	59.82
40 05 31 43-0076	EA	4" Union, Polypropylene (PP) Lined	9,154.20	79.80
40 05 31 43-0077	EA	6" Union, Polypropylene (PP) Lined	12,261.15	102.89
40 05 31 43-0078	EA	8" Union, Polypropylene (PP) Lined	20,123.28	127.54
40 05 31 43-0079		**Blind Flanges** *(40 05 31 43-0002)*		
40 05 31 43-0080	EA	3/4" Blind Flanges, Polypropylene (PP) Lined	188.01	15.43
40 05 31 43-0081	EA	1" Blind Flange, Polypropylene (PP) Lined	200.33	20.34
40 05 31 43-0082	EA	1-1/4" Blind Flange, Polypropylene (PP) Lined	228.10	25.84
40 05 31 43-0083	EA	1-1/2" Blind Flange, Polypropylene (PP) Lined	240.62	30.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 43-0084	EA	2" Blind Flange, Polypropylene (PP) Lined	277.82	38.29
40 05 31 43-0085	EA	2-1/2" Blind Flange, Polypropylene (PP) Lined	350.07	50.37
40 05 31 43-0086	EA	3" Blind Flange, Polypropylene (PP) Lined	415.71	59.82
40 05 31 43-0087	EA	4" Blind Flange, Polypropylene (PP) Lined	526.27	79.80
40 05 31 43-0088	EA	6" Blind Flange, Polypropylene (PP) Lined	780.16	102.89
40 05 31 43-0089	EA	8" Blind Flange, Polypropylene (PP) Lined	1,145.36	127.54
40 05 31 43-0090		Filler Flanges *(40 05 31 43-0002)*		
40 05 31 43-0091	EA	1" Filler Flange, Polypropylene (PP) Lined	681.28	20.34
40 05 31 43-0092	EA	1-1/4" Filler Flange, Polypropylene (PP) Lined	853.79	25.84
40 05 31 43-0093	EA	1-1/2" Filler Flange, Polypropylene (PP) Lined	955.03	30.87
40 05 31 43-0094	EA	2" Filler Flange, Polypropylene (PP) Lined	1,094.96	38.29
40 05 31 43-0095	EA	2-1/2" Filler Flange, Polypropylene (PP) Lined	1,269.94	50.37
40 05 31 43-0096	EA	3" Filler Flange, Polypropylene (PP) Lined	1,438.31	59.82
40 05 31 43-0097	EA	4" Filler Flange, Polypropylene (PP) Lined	1,791.67	79.80
40 05 31 43-0098	EA	6" Filler Flange, Polypropylene (PP) Lined	2,447.13	102.89
40 05 31 43-0099	EA	8" Filler Flange, Polypropylene (PP) Lined	3,424.02	127.54
40 05 31 43-0100		Polypropylene (PP) Lined Gate Valves *(40 05 31 43-0001)*		
40 05 31 43-0101	EA	1" Flanged Gate Valve, Polypropylene (PP) Lined	2,000.10	100.76
40 05 31 43-0102	EA	1-1/4" Flanged Gate Valve, Polypropylene (PP) Lined	2,257.14	113.35
40 05 31 43-0103	EA	1-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	2,547.24	125.63
40 05 31 43-0104	EA	2" Flanged Gate Valve, Polypropylene (PP) Lined	3,022.22	159.49
40 05 31 43-0105	EA	2-1/2" Flanged Gate Valve, Polypropylene (PP) Lined	3,981.93	181.58
40 05 31 43-0106	EA	3" Flanged Gate Valve, Polypropylene (PP) Lined	4,941.62	203.65
40 05 31 43-0107	EA	4" Flanged Gate Valve, Polypropylene (PP) Lined	6,271.27	341.84
40 05 31 43-0108	EA	6" Flanged Gate Valve, Polypropylene (PP) Lined	10,119.39	432.27
40 05 31 43-0109	EA	8" Flanged Gate Valve, Polypropylene (PP) Lined	21,210.25	546.95
40 05 31 43-0110		Polypropylene (PP) Lined Check Valves *(40 05 31 43-0001)*		
40 05 31 43-0111	EA	1" Flanged Check Valve, Polypropylene (PP) Lined	2,262.96	100.76
40 05 31 43-0112	EA	1-1/4" Flanged Check Valve, Polypropylene (PP) Lined	2,553.83	113.35
40 05 31 43-0113	EA	1-1/2" Flanged Check Valve, Polypropylene (PP) Lined	2,882.41	125.63
40 05 31 43-0114	EA	2" Flanged Check Valve, Polypropylene (PP) Lined	3,418.13	159.49
40 05 31 43-0115	EA	2-1/2" Flanged Check Valve, Polypropylene (PP) Lined	4,508.56	181.58
40 05 31 43-0116	EA	3" Flanged Check Valve, Polypropylene (PP) Lined	5,598.99	203.65
40 05 31 43-0117	EA	4" Flanged Check Valve, Polypropylene (PP) Lined	7,090.88	341.84
40 05 31 43-0118	EA	6" Flanged Check Valve, Polypropylene (PP) Lined	11,462.86	432.27
40 05 31 43-0119	EA	8" Flanged Check Valve, Polypropylene (PP) Lined	24,089.12	546.95
40 05 31 43-0120		Polypropylene (PP) Lined Plug Valves *(40 05 31 43-0001)*		
40 05 31 43-0121	EA	1" Flanged Plug Valve, Polypropylene (PP) Lined	1,985.46	100.76
40 05 31 43-0122	EA	1-1/4" Flanged Plug Valve, Polypropylene (PP) Lined	2,241.85	113.35
40 05 31 43-0123	EA	1-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	2,527.41	125.63
40 05 31 43-0124	EA	2" Flanged Plug Valve, Polypropylene (PP) Lined	2,999.63	159.49
40 05 31 43-0125	EA	2-1/2" Flanged Plug Valve, Polypropylene (PP) Lined	3,953.33	181.58
40 05 31 43-0126	EA	3" Flanged Plug Valve, Polypropylene (PP) Lined	4,907.01	203.65
40 05 31 43-0127	EA	4" Flanged Plug Valve, Polypropylene (PP) Lined	6,228.29	341.84
40 05 31 43-0128	EA	6" Flanged Plug Valve, Polypropylene (PP) Lined	10,049.41	432.27
40 05 31 43-0129	EA	8" Flanged Plug Valve, Polypropylene (PP) Lined	19,927.91	546.95
40 05 31 53		**PVDF Process Pipe** *(40 05 31)*		
40 05 31 53-0001		Polyvinylidene Fluoride (PVDF) Kynar Lined Steel Piping System *(40 05 31 53)*		
40 05 31 53-0002		Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe And Fittings *(40 05 31 53-0001)*		
40 05 31 53-0003		Pipe *(40 05 31 53-0002)*		
40 05 31 53-0004	LF	3/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	78.58	2.52
40 05 31 53-0005	LF	1" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	79.00	2.75
40 05 31 53-0006	LF	1-1/4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	88.50	2.99
40 05 31 53-0007	LF	1-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	88.62	2.99
40 05 31 53-0008	LF	2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	97.72	3.59
40 05 31 53-0009	LF	2-1/2" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	125.39	4.31
40 05 31 53-0010	LF	3" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	152.27	5.14
40 05 31 53-0011	LF	4" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	213.40	7.78
40 05 31 53-0012	LF	6" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	341.75	10.29
40 05 31 53-0013	LF	8" Polyvinylidene Fluoride (PVDF) Kynar Lined Pipe	529.59	12.32
40 05 31 53-0014		90 Degree Elbows *(40 05 31 53-0002)*		
40 05 31 53-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	439.21	10.29
40 05 31 53-0016	EA	1" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	445.39	12.80
40 05 31 53-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	551.64	18.07
40 05 31 53-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	557.41	20.34
40 05 31 53-0019	EA	2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	663.28	25.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	804.97	38.29
40 05 31 53-0021	EA	3" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	938.30	50.37
40 05 31 53-0022	EA	4" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,451.83	59.82
40 05 31 53-0023	EA	6" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,321.87	68.32
40 05 31 53-0024	EA	8" 90 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,821.71	86.14
40 05 31 53-0025		45 Degree Elbows *(40 05 31 53-0002)*		
40 05 31 53-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	525.76	10.29
40 05 31 53-0027	EA	1" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	531.94	12.80
40 05 31 53-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	590.49	18.07
40 05 31 53-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	596.26	20.34
40 05 31 53-0030	EA	2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	720.66	25.84
40 05 31 53-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	836.09	38.29
40 05 31 53-0032	EA	3" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,059.63	50.37
40 05 31 53-0033	EA	4" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,512.83	59.82
40 05 31 53-0034	EA	6" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,487.24	68.32
40 05 31 53-0035	EA	8" 45 Degree Elbow, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,270.93	79.80
40 05 31 53-0036		Tees *(40 05 31 53-0002)*		
40 05 31 53-0037	EA	3/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	705.75	15.43
40 05 31 53-0038	EA	1" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	718.07	20.34
40 05 31 53-0039	EA	1-1/4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	805.72	25.84
40 05 31 53-0040	EA	1-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	818.24	30.87
40 05 31 53-0041	EA	2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	991.60	38.29
40 05 31 53-0042	EA	2-1/2" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,278.08	50.37
40 05 31 53-0043	EA	3" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,326.62	59.82
40 05 31 53-0044	EA	4" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,998.95	79.80
40 05 31 53-0045	EA	6" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,049.93	102.89
40 05 31 53-0046	EA	8" Tee, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,577.35	127.54
40 05 31 53-0047		Crosses *(40 05 31 53-0002)*		
40 05 31 53-0048	EA	3/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	985.82	20.57
40 05 31 53-0049	EA	1" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	998.96	25.84
40 05 31 53-0050	EA	1-1/4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,167.89	36.38
40 05 31 53-0051	EA	1-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,178.78	40.68
40 05 31 53-0052	EA	2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,458.67	51.69
40 05 31 53-0053	EA	2-1/2" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,688.48	76.57
40 05 31 53-0054	EA	3" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,030.06	100.51
40 05 31 53-0055	EA	4" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,057.03	119.65
40 05 31 53-0056	EA	6" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,673.06	136.87
40 05 31 53-0057	EA	8" Cross, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,904.37	159.72
40 05 31 53-0058		Reducers *(40 05 31 53-0002)*		
40 05 31 53-0059	EA	1" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	678.45	12.80
40 05 31 53-0060	EA	1-1/4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	691.68	18.07
40 05 31 53-0061	EA	1-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	697.45	20.34
40 05 31 53-0062	EA	2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	727.53	25.84
40 05 31 53-0063	EA	2-1/2" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	800.41	38.29
40 05 31 53-0064	EA	3" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	962.77	50.37
40 05 31 53-0065	EA	4" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,226.95	59.82
40 05 31 53-0066	EA	6" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,991.09	68.32
40 05 31 53-0067	EA	8" Reducer, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,986.99	79.80
40 05 31 53-0068		Unions *(40 05 31 53-0002)*		
40 05 31 53-0069	EA	3/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	978.01	15.43
40 05 31 53-0070	EA	1" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,124.52	20.34
40 05 31 53-0071	EA	1-1/4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,192.71	25.84
40 05 31 53-0072	EA	1-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,485.16	30.87
40 05 31 53-0073	EA	2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,358.73	38.29
40 05 31 53-0074	EA	2-1/2" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,880.51	50.37
40 05 31 53-0075	EA	3" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,226.99	59.82
40 05 31 53-0076	EA	4" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	9,658.69	79.80
40 05 31 53-0077	EA	6" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	12,937.31	102.89
40 05 31 53-0078	EA	8" Union, Polyvinylidene Fluoride (PVDF) Kynar Lined	21,239.02	127.54
40 05 31 53-0079		Blind Flanges *(40 05 31 53-0002)*		
40 05 31 53-0080	EA	3/4" Blind Flanges, Polyvinylidene Fluoride (PVDF) Kynar Lined	150.65	15.43
40 05 31 53-0081	EA	1" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	162.97	20.34
40 05 31 53-0082	EA	1-1/4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	187.24	25.84
40 05 31 53-0083	EA	1-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	199.76	30.87
40 05 31 53-0084	EA	2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	232.29	38.29
40 05 31 53-0085	EA	2-1/2" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	294.04	50.37
40 05 31 53-0086	EA	3" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	349.18	59.82
40 05 31 53-0087	EA	4" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	444.55	79.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 53-0088	EA	6" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	649.42	102.89
40 05 31 53-0089	EA	8" Blind Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	938.74	127.54
40 05 31 53-0090		Filler Flanges *(40 05 31 53-0002)*		
40 05 31 53-0091	EA	1" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	383.60	20.34
40 05 31 53-0092	EA	1-1/4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	435.89	25.84
40 05 31 53-0093	EA	1-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	490.43	30.87
40 05 31 53-0094	EA	2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	600.00	38.29
40 05 31 53-0095	EA	2-1/2" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	749.30	50.37
40 05 31 53-0096	EA	3" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	895.49	59.82
40 05 31 53-0097	EA	4" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,141.46	79.80
40 05 31 53-0098	EA	6" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	1,437.37	102.89
40 05 31 53-0099	EA	8" Filler Flange, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,188.97	127.54
40 05 31 53-0100		Polyvinylidene Fluoride (PVDF) Kynar Lined Gate Valves *(40 05 31 53-0001)*		
40 05 31 53-0101	EA	1" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,105.69	100.76
40 05 31 53-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,376.32	113.35
40 05 31 53-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,681.87	125.63
40 05 31 53-0104	EA	2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,181.25	159.53
40 05 31 53-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,193.47	181.58
40 05 31 53-0106	EA	3" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,205.68	203.65
40 05 31 53-0107	EA	4" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,600.50	341.84
40 05 31 53-0108	EA	6" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,659.06	432.27
40 05 31 53-0109	EA	8" Flanged Gate Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	22,366.68	546.95
40 05 31 53-0110		Polyvinylidene Fluoride (PVDF) Kynar Lined Check Valves *(40 05 31 53-0001)*		
40 05 31 53-0111	EA	1" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,383.35	100.76
40 05 31 53-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,689.73	113.35
40 05 31 53-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,035.93	125.63
40 05 31 53-0114	EA	2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,599.46	159.53
40 05 31 53-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,749.78	181.58
40 05 31 53-0116	EA	3" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,900.08	203.65
40 05 31 53-0117	EA	4" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	7,466.30	341.84
40 05 31 53-0118	EA	6" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	12,078.22	432.27
40 05 31 53-0119	EA	8" Flanged Check Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	25,407.73	546.95
40 05 31 53-0120		Polyvinylidene Fluoride (PVDF) Kynar Lined Plug Valves *(40 05 31 53-0001)*		
40 05 31 53-0121	EA	1" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,090.23	100.76
40 05 31 53-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,360.17	113.35
40 05 31 53-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	2,660.93	125.63
40 05 31 53-0124	EA	2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	3,157.39	159.53
40 05 31 53-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	4,163.26	181.58
40 05 31 53-0126	EA	3" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	5,169.12	203.65
40 05 31 53-0127	EA	4" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	6,555.10	341.84
40 05 31 53-0128	EA	6" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	10,585.13	432.27
40 05 31 53-0129	EA	8" Flanged Plug Valve, Polyvinylidene Fluoride (PVDF) Kynar Lined	21,012.10	546.95
40 05 31 56		**Polyvinylidene Chloride (PVDC) Process Pipe** *(40 05 31)*		
40 05 31 56-0001		Polyvinylidene Chloride (PVDC) Saran Lined Steel Piping System *(40 05 31 56)*		
40 05 31 56-0002		Polyvinylidene Chloride (PVDC) Saran Lined Pipe And Fittings *(40 05 31 56-0001)*		
40 05 31 56-0003		Pipe *(40 05 31 56-0002)*		
40 05 31 56-0004	LF	3/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	54.52	2.52
40 05 31 56-0005	LF	1" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	54.94	2.75
40 05 31 56-0006	LF	1-1/4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	61.45	2.99
40 05 31 56-0007	LF	1-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	61.57	2.99
40 05 31 56-0008	LF	2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	68.13	3.59
40 05 31 56-0009	LF	2-1/2" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	88.49	4.31
40 05 31 56-0010	LF	3" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	105.80	5.14
40 05 31 56-0011	LF	4" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	148.70	7.78
40 05 31 56-0012	LF	6" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	236.41	10.29
40 05 31 56-0013	LF	8" Polyvinylidene Chloride (PVDC) Saran Lined Pipe	363.29	12.32
40 05 31 56-0014		90 Degree Elbows *(40 05 31 56-0002)*		
40 05 31 56-0015	EA	3/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	385.27	10.29
40 05 31 56-0016	EA	1" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	391.45	12.80
40 05 31 56-0017	EA	1-1/4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	485.56	18.07
40 05 31 56-0018	EA	1-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	491.33	20.34
40 05 31 56-0019	EA	2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	585.21	25.84
40 05 31 56-0020	EA	2-1/2" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	712.44	38.29
40 05 31 56-0021	EA	3" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	832.32	50.37
40 05 31 56-0022	EA	4" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,281.98	59.82
40 05 31 56-0023	EA	6" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,041.30	68.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0024	EA	8" 90 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	3,351.29	86.14
40 05 31 56-0025		**45 Degree Elbows** *(40 05 31 56-0002)*		
40 05 31 56-0026	EA	3/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	460.54	10.29
40 05 31 56-0027	EA	1" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	466.72	12.80
40 05 31 56-0028	EA	1-1/4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	519.36	18.07
40 05 31 56-0029	EA	1-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	525.13	20.34
40 05 31 56-0030	EA	2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	635.08	25.84
40 05 31 56-0031	EA	2-1/2" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	739.52	38.29
40 05 31 56-0032	EA	3" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	937.81	50.37
40 05 31 56-0033	EA	4" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	1,335.02	59.82
40 05 31 56-0034	EA	6" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,185.11	68.32
40 05 31 56-0035	EA	8" 45 Degree Elbow, Polyvinylidene Chloride (PVDC) Saran Lined	2,870.29	79.80
40 05 31 56-0036		**Tees** *(40 05 31 56-0002)*		
40 05 31 56-0037	EA	3/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	619.57	15.43
40 05 31 56-0038	EA	1" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	631.03	20.34
40 05 31 56-0039	EA	1-1/4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	709.04	25.84
40 05 31 56-0040	EA	1-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	721.56	30.87
40 05 31 56-0041	EA	2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	874.75	38.29
40 05 31 56-0042	EA	2-1/2" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,127.80	50.37
40 05 31 56-0043	EA	3" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,173.09	59.82
40 05 31 56-0044	EA	4" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	1,764.21	79.80
40 05 31 56-0045	EA	6" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	2,685.64	102.89
40 05 31 56-0046	EA	8" Tee, Polyvinylidene Chloride (PVDC) Saran Lined	4,021.88	127.54
40 05 31 56-0047		**Crosses** *(40 05 31 56-0002)*		
40 05 31 56-0048	EA	3/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	863.93	20.57
40 05 31 56-0049	EA	1" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	877.07	25.84
40 05 31 56-0050	EA	1-1/4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,027.40	36.38
40 05 31 56-0051	EA	1-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,038.29	40.68
40 05 31 56-0052	EA	2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,285.27	51.69
40 05 31 56-0053	EA	2-1/2" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,493.19	76.57
40 05 31 56-0054	EA	3" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	1,798.04	100.51
40 05 31 56-0055	EA	4" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	2,697.30	119.65
40 05 31 56-0056	EA	6" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	4,108.18	136.87
40 05 31 56-0057	EA	8" Cross, Polyvinylidene Chloride (PVDC) Saran Lined	8,469.24	159.72
40 05 31 56-0058		**Reducers** *(40 05 31 56-0002)*		
40 05 31 56-0059	EA	1" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	566.01	12.80
40 05 31 56-0060	EA	1-1/4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	607.33	18.07
40 05 31 56-0061	EA	1-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	613.10	20.34
40 05 31 56-0062	EA	2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	641.06	25.84
40 05 31 56-0063	EA	2-1/2" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	800.41	38.29
40 05 31 56-0064	EA	3" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	853.62	50.37
40 05 31 56-0065	EA	4" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,086.42	59.82
40 05 31 56-0066	EA	6" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	1,753.66	68.32
40 05 31 56-0067	EA	8" Reducer, Polyvinylidene Chloride (PVDC) Saran Lined	2,623.38	79.80
40 05 31 56-0068		**Unions** *(40 05 31 56-0002)*		
40 05 31 56-0069	EA	3/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	852.76	15.43
40 05 31 56-0070	EA	1" Union, Polyvinylidene Chloride (PVDC) Saran Lined	981.37	20.34
40 05 31 56-0071	EA	1-1/4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	1,908.97	25.84
40 05 31 56-0072	EA	1-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,164.10	30.87
40 05 31 56-0073	EA	2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	2,923.66	38.29
40 05 31 56-0074	EA	2-1/2" Union, Polyvinylidene Chloride (PVDC) Saran Lined	4,246.57	50.37
40 05 31 56-0075	EA	3" Union, Polyvinylidene Chloride (PVDC) Saran Lined	5,416.67	59.82
40 05 31 56-0076	EA	4" Union, Polyvinylidene Chloride (PVDC) Saran Lined	8,397.46	79.80
40 05 31 56-0077	EA	6" Union, Polyvinylidene Chloride (PVDC) Saran Lined	11,246.63	102.89
40 05 31 56-0078	EA	8" Union, Polyvinylidene Chloride (PVDC) Saran Lined	18,449.67	127.54
40 05 31 56-0079		**Blind Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0080	EA	3/4" Blind Flanges, Polyvinylidene Chloride (PVDC) Saran Lined	135.71	15.43
40 05 31 56-0081	EA	1" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	148.03	20.34
40 05 31 56-0082	EA	1-1/4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	170.90	25.84
40 05 31 56-0083	EA	1-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	183.42	30.87
40 05 31 56-0084	EA	2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	214.08	38.29
40 05 31 56-0085	EA	2-1/2" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	271.62	50.37
40 05 31 56-0086	EA	3" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	322.56	59.82
40 05 31 56-0087	EA	4" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	411.87	79.80
40 05 31 56-0088	EA	6" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	597.12	102.89
40 05 31 56-0089	EA	8" Blind Flange, Polyvinylidene Chloride (PVDC) Saran Lined	856.09	127.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 31 56-0090		**Filler Flanges** *(40 05 31 56-0002)*		
40 05 31 56-0091	EA	1" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	339.24	20.34
40 05 31 56-0092	EA	1-1/4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	386.39	25.84
40 05 31 56-0093	EA	1-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	435.33	30.87
40 05 31 56-0094	EA	2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	532.76	38.29
40 05 31 56-0095	EA	2-1/2" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	666.19	50.37
40 05 31 56-0096	EA	3" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	796.04	59.82
40 05 31 56-0097	EA	4" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,015.85	79.80
40 05 31 56-0098	EA	6" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,280.02	102.89
40 05 31 56-0099	EA	8" Filler Flange, Polyvinylidene Chloride (PVDC) Saran Lined	1,939.62	127.54
40 05 31 56-0100		**Polyvinylidene Chloride (PVDC) Saran Lined Gate Valves** *(40 05 31 56-0001)*		
40 05 31 56-0101	EA	1" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,841.72	100.76
40 05 31 56-0102	EA	1-1/4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,078.37	113.35
40 05 31 56-0103	EA	1-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,345.28	125.63
40 05 31 56-0104	EA	2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,783.68	159.53
40 05 31 56-0105	EA	2-1/2" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,664.61	181.58
40 05 31 56-0106	EA	3" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,545.53	203.65
40 05 31 56-0107	EA	4" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,777.41	341.84
40 05 31 56-0108	EA	6" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,309.89	432.27
40 05 31 56-0109	EA	8" Flanged Gate Valve, Polyvinylidene Chloride (PVDC) Saran Lined	19,475.61	546.95
40 05 31 56-0110		**Polyvinylidene Chloride (PVDC) Saran Lined Check Valves** *(40 05 31 56-0001)*		
40 05 31 56-0111	EA	1" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,082.36	100.76
40 05 31 56-0112	EA	1-1/4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,349.99	113.35
40 05 31 56-0113	EA	1-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,652.13	125.63
40 05 31 56-0114	EA	2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,146.12	159.53
40 05 31 56-0115	EA	2-1/2" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,146.74	181.58
40 05 31 56-0116	EA	3" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,147.35	203.65
40 05 31 56-0117	EA	4" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	6,527.76	341.84
40 05 31 56-0118	EA	6" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	10,539.83	432.27
40 05 31 56-0119	EA	8" Flanged Check Valve, Polyvinylidene Chloride (PVDC) Saran Lined	22,111.19	546.95
40 05 31 56-0120		**Polyvinylidene Chloride (PVDC) Saran Lined Plug Valves** *(40 05 31 56-0001)*		
40 05 31 56-0121	EA	1" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	1,828.32	100.76
40 05 31 56-0122	EA	1-1/4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,064.37	113.35
40 05 31 56-0123	EA	1-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,327.13	125.63
40 05 31 56-0124	EA	2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	2,762.99	159.53
40 05 31 56-0125	EA	2-1/2" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	3,638.42	181.58
40 05 31 56-0126	EA	3" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	4,513.85	203.65
40 05 31 56-0127	EA	4" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	5,738.07	341.84
40 05 31 56-0128	EA	6" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	9,245.83	432.27
40 05 31 56-0129	EA	8" Flanged Plug Valve, Polyvinylidene Chloride (PVDC) Saran Lined	18,301.64	546.95
40 05 38		**PTFE Process Pipe** *(40 05)*		
40 05 38 00-0001		**Polytetrafluoroethylene (PTFE) Lined Steel Piping System** *(40 05 38)*		
40 05 38 00-0002		**Polytetrafluoroethylene (PTFE) Lined Pipe And Fittings** *(40 05 38 00-0001)*		
40 05 38 00-0003		**Polytetrafluoroethylene (PTFE) Lined Pipe** *(40 05 38 00-0002)*		
40 05 38 00-0004	LF	3/4" Polytetrafluoroethylene (PTFE) Lined Pipe	152.75	2.52
40 05 38 00-0005	LF	1" Polytetrafluoroethylene (PTFE) Lined Pipe	227.88	2.75
40 05 38 00-0006	LF	1-1/4" Polytetrafluoroethylene (PTFE) Lined Pipe	254.46	2.99
40 05 38 00-0007	LF	1-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	280.64	2.99
40 05 38 00-0008	LF	2" Polytetrafluoroethylene (PTFE) Lined Pipe	307.36	3.59
40 05 38 00-0009	LF	2-1/2" Polytetrafluoroethylene (PTFE) Lined Pipe	405.39	4.31
40 05 38 00-0010	LF	3" Polytetrafluoroethylene (PTFE) Lined Pipe	487.18	5.14
40 05 38 00-0011	LF	4" Polytetrafluoroethylene (PTFE) Lined Pipe	702.34	7.78
40 05 38 00-0012	LF	6" Polytetrafluoroethylene (PTFE) Lined Pipe	1,314.48	10.29
40 05 38 00-0013	LF	8" Polytetrafluoroethylene (PTFE) Lined Pipe	2,346.69	12.32
40 05 38 00-0014		**90 Degree Elbows** *(40 05 38 00-0002)*		
40 05 38 00-0015	EA	3/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,029.65	10.29
40 05 38 00-0016	EA	1" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,035.83	12.80
40 05 38 00-0017	EA	1-1/4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,081.74	18.07
40 05 38 00-0018	EA	1-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,087.51	20.34
40 05 38 00-0019	EA	2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,250.69	25.84
40 05 38 00-0020	EA	2-1/2" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,580.57	38.29
40 05 38 00-0021	EA	3" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,909.64	50.37
40 05 38 00-0022	EA	4" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,839.12	59.82
40 05 38 00-0023	EA	6" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	4,438.74	68.32
40 05 38 00-0024	EA	8" 90 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	6,967.26	86.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0025		**45 Degree Elbows** *(40 05 38 00-0002)*		
40 05 38 00-0026	EA	3/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	870.89	10.29
40 05 38 00-0027	EA	1" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	877.07	12.80
40 05 38 00-0028	EA	1-1/4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	993.02	18.07
40 05 38 00-0029	EA	1-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	998.79	20.34
40 05 38 00-0030	EA	2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,147.97	25.84
40 05 38 00-0031	EA	2-1/2" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,533.88	38.29
40 05 38 00-0032	EA	3" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	1,914.31	50.37
40 05 38 00-0033	EA	4" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	2,516.93	59.82
40 05 38 00-0034	EA	6" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	4,406.05	68.32
40 05 38 00-0035	EA	8" 45 Degree Elbow, Polytetrafluoroethylene (PTFE) Lined	6,736.54	79.80
40 05 38 00-0036		**Tees** *(40 05 38 00-0002)*		
40 05 38 00-0037	EA	3/4" Tee, Polytetrafluoroethylene (PTFE) Lined	1,691.55	15.43
40 05 38 00-0038	EA	1" Tee, Polytetrafluoroethylene (PTFE) Lined	1,703.87	20.34
40 05 38 00-0039	EA	1-1/4" Tee, Polytetrafluoroethylene (PTFE) Lined	2,007.13	25.84
40 05 38 00-0040	EA	1-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,019.65	30.87
40 05 38 00-0041	EA	2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,304.33	38.29
40 05 38 00-0042	EA	2-1/2" Tee, Polytetrafluoroethylene (PTFE) Lined	2,698.77	50.37
40 05 38 00-0043	EA	3" Tee, Polytetrafluoroethylene (PTFE) Lined	3,086.60	59.82
40 05 38 00-0044	EA	4" Tee, Polytetrafluoroethylene (PTFE) Lined	4,028.30	79.80
40 05 38 00-0045	EA	6" Tee, Polytetrafluoroethylene (PTFE) Lined	5,500.90	102.89
40 05 38 00-0046	EA	8" Tee, Polytetrafluoroethylene (PTFE) Lined	10,554.15	127.54
40 05 38 00-0047		**Crosses** *(40 05 38 00-0002)*		
40 05 38 00-0048	EA	3/4" Cross, Polytetrafluoroethylene (PTFE) Lined	2,400.16	20.57
40 05 38 00-0049	EA	1" Cross, Polytetrafluoroethylene (PTFE) Lined	2,413.30	25.84
40 05 38 00-0050	EA	1-1/4" Cross, Polytetrafluoroethylene (PTFE) Lined	2,939.24	36.38
40 05 38 00-0051	EA	1-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	2,950.14	40.68
40 05 38 00-0052	EA	2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,327.86	51.69
40 05 38 00-0053	EA	2-1/2" Cross, Polytetrafluoroethylene (PTFE) Lined	3,838.21	76.57
40 05 38 00-0054	EA	3" Cross, Polytetrafluoroethylene (PTFE) Lined	5,088.74	100.51
40 05 38 00-0055	EA	4" Cross, Polytetrafluoroethylene (PTFE) Lined	5,701.58	119.65
40 05 38 00-0056	EA	6" Cross, Polytetrafluoroethylene (PTFE) Lined	10,073.17	136.87
40 05 38 00-0057	EA	8" Cross, Polytetrafluoroethylene (PTFE) Lined	12,768.54	159.72
40 05 38 00-0058		**Reducers** *(40 05 38 00-0002)*		
40 05 38 00-0059	EA	1" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,423.38	12.80
40 05 38 00-0060	EA	1-1/4" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,436.61	18.07
40 05 38 00-0061	EA	1-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,442.38	20.34
40 05 38 00-0062	EA	2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,698.95	25.84
40 05 38 00-0063	EA	2-1/2" Reducer, Polytetrafluoroethylene (PTFE) Lined	1,963.46	38.29
40 05 38 00-0064	EA	3" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,189.80	50.37
40 05 38 00-0065	EA	4" Reducer, Polytetrafluoroethylene (PTFE) Lined	2,857.80	59.82
40 05 38 00-0066	EA	6" Reducer, Polytetrafluoroethylene (PTFE) Lined	3,948.46	68.32
40 05 38 00-0067	EA	8" Reducer, Polytetrafluoroethylene (PTFE) Lined	6,391.00	79.80
40 05 38 00-0068		**Unions** *(40 05 38 00-0002)*		
40 05 38 00-0069	EA	3/4" Union, Polytetrafluoroethylene (PTFE) Lined	1,291.15	15.43
40 05 38 00-0070	EA	1" Union, Polytetrafluoroethylene (PTFE) Lined	1,482.39	20.34
40 05 38 00-0071	EA	1-1/4" Union, Polytetrafluoroethylene (PTFE) Lined	2,902.06	25.84
40 05 38 00-0072	EA	1-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	3,287.82	30.87
40 05 38 00-0073	EA	2" Union, Polytetrafluoroethylene (PTFE) Lined	4,446.41	38.29
40 05 38 00-0074	EA	2-1/2" Union, Polytetrafluoroethylene (PTFE) Lined	6,465.37	50.37
40 05 38 00-0075	EA	3" Union, Polytetrafluoroethylene (PTFE) Lined	8,252.80	59.82
40 05 38 00-0076	EA	4" Union, Polytetrafluoroethylene (PTFE) Lined	12,811.79	79.80
40 05 38 00-0077	EA	6" Union, Polytetrafluoroethylene (PTFE) Lined	17,164.13	102.89
40 05 38 00-0078	EA	8" Union, Polytetrafluoroethylene (PTFE) Lined	28,212.40	127.54
40 05 38 00-0079		**Blind Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0080	EA	3/4" Blind Flanges, Polytetrafluoroethylene (PTFE) Lined	188.01	15.43
40 05 38 00-0081	EA	1" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	200.33	20.34
40 05 38 00-0082	EA	1-1/4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	228.10	25.84
40 05 38 00-0083	EA	1-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	240.62	30.87
40 05 38 00-0084	EA	2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	277.82	38.29
40 05 38 00-0085	EA	2-1/2" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	350.07	50.37
40 05 38 00-0086	EA	3" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	415.71	59.82
40 05 38 00-0087	EA	4" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	526.27	79.80
40 05 38 00-0088	EA	6" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	780.16	102.89
40 05 38 00-0089	EA	8" Blind Flange, Polytetrafluoroethylene (PTFE) Lined	1,145.36	127.54
40 05 38 00-0090		**Filler Flanges** *(40 05 38 00-0002)*		
40 05 38 00-0091	EA	1" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	494.50	20.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 38 00-0092	EA	1-1/4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	559.62	25.84
40 05 38 00-0093	EA	1-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	628.18	30.87
40 05 38 00-0094	EA	2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	768.10	38.29
40 05 38 00-0095	EA	2-1/2" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	957.09	50.37
40 05 38 00-0096	EA	3" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,144.14	59.82
40 05 38 00-0097	EA	4" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,455.47	79.80
40 05 38 00-0098	EA	6" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	1,830.77	102.89
40 05 38 00-0099	EA	8" Filler Flange, Polytetrafluoroethylene (PTFE) Lined	2,812.33	127.54

40 05 38 00-0100 Polytetrafluoroethylene (PTFE) Lined Gate Valves *(40 05 38 00-0001)*

40 05 38 00-0101	EA	1" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	2,765.61	100.76
40 05 38 00-0102	EA	1-1/4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,121.20	113.35
40 05 38 00-0103	EA	1-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	3,523.36	125.63
40 05 38 00-0104	EA	2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	4,175.21	159.53
40 05 38 00-0105	EA	2-1/2" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	5,515.64	181.58
40 05 38 00-0106	EA	3" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	6,856.06	203.65
40 05 38 00-0107	EA	4" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	8,658.23	341.84
40 05 38 00-0108	EA	6" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	14,031.96	432.27
40 05 38 00-0109	EA	8" Flanged Gate Valve, Polytetrafluoroethylene (PTFE) Lined	29,594.33	546.95

40 05 38 00-0110 Polytetrafluoroethylene (PTFE) Lined Check Valves *(40 05 38 00-0001)*

40 05 38 00-0111	EA	1" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,135.82	100.76
40 05 38 00-0112	EA	1-1/4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,539.08	113.35
40 05 38 00-0113	EA	1-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	3,995.43	125.63
40 05 38 00-0114	EA	2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	4,732.81	159.53
40 05 38 00-0115	EA	2-1/2" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	6,257.37	181.58
40 05 38 00-0116	EA	3" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	7,781.92	203.65
40 05 38 00-0117	EA	4" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	9,812.63	341.84
40 05 38 00-0118	EA	6" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	15,924.18	432.27
40 05 38 00-0119	EA	8" Flanged Check Valve, Polytetrafluoroethylene (PTFE) Lined	33,649.08	546.95

40 05 38 00-0120 Polytetrafluoroethylene (PTFE) Lined Plug Valves *(40 05 38 00-0001)*

40 05 38 00-0121	EA	1" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	2,744.98	100.76
40 05 38 00-0122	EA	1-1/4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,099.66	113.35
40 05 38 00-0123	EA	1-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	3,495.43	125.63
40 05 38 00-0124	EA	2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	4,143.38	159.53
40 05 38 00-0125	EA	2-1/2" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	5,475.35	181.58
40 05 38 00-0126	EA	3" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	6,807.30	203.65
40 05 38 00-0127	EA	4" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	8,597.70	341.84
40 05 38 00-0128	EA	6" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	13,933.40	432.27
40 05 38 00-0129	EA	8" Flanged Plug Valve, Polytetrafluoroethylene (PTFE) Lined	27,788.23	546.95

40 05 41 Glass Process Pipe *(40 05)*

40 05 41 00-0001 Glass Pressure Pipe *(40 05 41)*

40 05 41 00-0002 Glass Pipe, Beaded Joints *(40 05 41 00-0001)*

40 05 41 00-0003	LF	1/2" Glass Pipe, Pressure	48.46	17.95
		For Work In Restricted Working Space, Add	*10.77*	
40 05 41 00-0004	LF	3/4" Glass Pipe, Pressure	58.15	21.54
		For Work In Restricted Working Space, Add	*12.92*	
40 05 41 00-0005	LF	1" Glass Pipe, Pressure	67.47	23.93
		For Work In Restricted Working Space, Add	*14.36*	
40 05 41 00-0006	LF	1-1/2" Glass Pipe, Pressure	89.18	32.30
		For Work In Restricted Working Space, Add	*19.38*	
40 05 41 00-0007	LF	2" Glass Pipe, Pressure	109.08	38.29
		For Work In Restricted Working Space, Add	*22.97*	
40 05 41 00-0008	LF	3" Glass Pipe, Pressure	134.97	44.27
		For Work In Restricted Working Space, Add	*26.56*	
40 05 41 00-0009	LF	4" Glass Pipe, Pressure	184.68	59.82
		For Work In Restricted Working Space, Add	*35.90*	
40 05 41 00-0010	LF	6" Glass Pipe, Pressure	260.23	71.79
		For Work In Restricted Working Space, Add	*43.07*	

40 05 41 00-0011 Glass 90 Degree Elbows *(40 05 41 00-0001)*

40 05 41 00-0012	EA	1/2" 90 Degree Elbow, Glass, Pressure	220.79	95.71
		For Work In Restricted Working Space, Add	*57.43*	
40 05 41 00-0013	EA	3/4" 90 Degree Elbow, Glass, Pressure	237.99	101.70
		For Work In Restricted Working Space, Add	*61.02*	
40 05 41 00-0014	EA	1" 90 Degree Elbow, Glass, Pressure	260.63	107.68
		For Work In Restricted Working Space, Add	*64.61*	
40 05 41 00-0015	EA	1-1/2" 90 Degree Elbow, Glass, Pressure	287.56	119.65
		For Work In Restricted Working Space, Add	*71.79*	
40 05 41 00-0016	EA	2" 90 Degree Elbow, Glass, Pressure	327.60	131.61
		For Work In Restricted Working Space, Add	*78.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 41 00-0017	EA	3" 90 Degree Elbow, Glass, Pressure	413.63	155.53
		For Work In Restricted Working Space, Add	*93.32*	
40 05 41 00-0018	EA	4" 90 Degree Elbow, Glass, Pressure	477.74	167.50
		For Work In Restricted Working Space, Add	*100.49*	
40 05 41 00-0019	EA	6" 90 Degree Elbow, Glass, Pressure	754.96	191.43
		For Work In Restricted Working Space, Add	*114.87*	
40 05 41 00-0020		Glass 45 Degree Elbows *(40 05 41 00-0001)*		
40 05 41 00-0021	EA	1/2" 45 Degree Elbow, Glass, Pressure	219.62	95.71
		For Work In Restricted Working Space, Add	*57.43*	
40 05 41 00-0022	EA	3/4" 45 Degree Elbow, Glass, Pressure	236.62	101.70
		For Work In Restricted Working Space, Add	*61.02*	
40 05 41 00-0023	EA	1" 45 Degree Elbow, Glass, Pressure	258.79	107.68
		For Work In Restricted Working Space, Add	*64.60*	
40 05 41 00-0024	EA	1-1/2" 45 Degree Elbow, Glass, Pressure	285.63	119.65
		For Work In Restricted Working Space, Add	*71.79*	
40 05 41 00-0025	EA	2" 45 Degree Elbow, Glass, Pressure	324.97	131.61
		For Work In Restricted Working Space, Add	*78.96*	
40 05 41 00-0026	EA	3" 45 Degree Elbow, Glass, Pressure	409.56	155.53
		For Work In Restricted Working Space, Add	*93.33*	
40 05 41 00-0027	EA	4" 45 Degree Elbow, Glass, Pressure	472.03	167.50
		For Work In Restricted Working Space, Add	*100.49*	
40 05 41 00-0028	EA	6" 45 Degree Elbow, Glass, Pressure	739.94	191.43
		For Work In Restricted Working Space, Add	*114.83*	
40 05 41 00-0029		Glass Tees *(40 05 41 00-0001)*		
40 05 41 00-0030	EA	1/2" Tee, Glass, Pressure	337.47	143.58
		For Work In Restricted Working Space, Add	*86.16*	
40 05 41 00-0031	EA	3/4" Tee, Glass, Pressure	362.04	155.53
		For Work In Restricted Working Space, Add	*93.33*	
40 05 41 00-0032	EA	1" Tee, Glass, Pressure	391.26	167.50
		For Work In Restricted Working Space, Add	*100.49*	
40 05 41 00-0033	EA	1-1/2" Tee, Glass, Pressure	441.32	179.47
		For Work In Restricted Working Space, Add	*107.66*	
40 05 41 00-0034	EA	2" Tee, Glass, Pressure	491.41	197.42
		For Work In Restricted Working Space, Add	*118.46*	
40 05 41 00-0035	EA	3" Tee, Glass, Pressure	597.24	239.29
		For Work In Restricted Working Space, Add	*143.57*	
40 05 41 00-0036	EA	4" Tee, Glass, Pressure	701.40	251.14
		For Work In Restricted Working Space, Add	*150.69*	
40 05 41 00-0037	EA	6" Tee, Glass, Pressure	922.06	287.03
		For Work In Restricted Working Space, Add	*172.24*	
40 05 41 00-0038		Glass Couplings, Vitron Liner *(40 05 41 00-0001)*		
40 05 41 00-0039	EA	1/2" Coupling, Vitron Liner, Glass	42.23	
40 05 41 00-0040	EA	3/4" Coupling, Vitron Liner, Glass	48.27	
40 05 41 00-0041	EA	1" Coupling, Vitron Liner, Glass	56.31	
40 05 41 00-0042	EA	1-1/2" Coupling, Vitron Liner, Glass	64.36	
40 05 41 00-0043	EA	2" Coupling, Vitron Liner, Glass	77.43	
40 05 41 00-0044	EA	3" Coupling, Vitron Liner, Glass	141.79	
40 05 41 00-0045	EA	4" Coupling, Vitron Liner, Glass	170.95	
40 05 41 00-0046	EA	6" Coupling, Vitron Liner, Glass	341.90	

40 05 63 Ball Valves *(40 05)*

40 05 63 43 Plastic Ball Valves *(40 05 63)*

40 05 63 43-0001 Polysulfone Resin, PVC Socket Welded Ends, Ball Valve *(40 05 63 43)*

Note: Hasrelloy C-276 stem handle and hardware. 150 PSIG rating.

40 05 63 43-0002	EA	1/2" Polysulfone Resin, PVC Socket Welded Ends, Ball Valve (Nil-Cor 410 ST-V-S-PVC)	500.47	11.97
40 05 63 43-0003	EA	3/4" Polysulfone Resin, PVC Socket Welded Ends, Ball Valve (Nil-Cor 410 ST-V-S-PVC)	513.63	11.97
40 05 63 43-0004	EA	1" Polysulfone Resin, PVC Socket Welded Ends, Ball Valve (Nil-Cor 410 ST-V-S-PVC)	525.58	14.96
40 05 63 43-0005	EA	1-1/2" Polysulfone Resin, PVC Socket Welded Ends, Ball Valve (Nil-Cor 410 ST-V-S-PVC)	812.98	18.43
40 05 63 43-0006	EA	2" Polysulfone Resin, PVC Socket Welded Ends, Ball Valve (Nil-Cor 410 ST-V-S-PVC)	995.05	21.77
40 05 63 43-0007	EA	1" Polysulfone Resin, 150 Lb. Flange, Ball Valve (Nil-Cor 410 ST-T-S)	1,241.11	50.37
40 05 63 43-0008	EA	1-1/2" Polysulfone Resin, 150 Lb. Flange, Ball Valve (Nil-Cor 410 ST-T-S)	1,571.54	125.63
40 05 63 43-0009	EA	2" Polysulfone Resin, 150 Lb. Flange, Ball Valve (Nil-Cor 410 ST-T-S)	2,036.15	106.36
40 05 63 43-0010	EA	3" Polysulfone Resin, 150 Lb. Flange, Ball Valve (Nil-Cor 410 ST-T-S)	2,722.36	203.40
40 05 63 43-0011	EA	4" Polysulfone Resin, 150 Lb. Flange, Ball Valve (Nil-Cor 410 ST-T-S)	4,067.52	340.99
40 05 63 43-0012		Vinyl Ester, 150 Lb. Flange, Ball Valve *(40 05 63 43)*		

Note: Hasrelloy C-276 stem handle and hardware. 150 PSIG rating.

40 05 63 43-0013	EA	1" Vinyl Ester, 150 Lb. Flange, Ball Valve (Nil-Cor 310 ST-T-S)	770.45	100.76
40 05 63 43-0014	EA	1-1/2" Vinyl Ester, 150 Lb. Flange, Ball Valve (Nil-Cor 310 ST-T-S)	1,069.07	125.63
40 05 63 43-0015	EA	2" Vinyl Ester, 150 Lb. Flange, Ball Valve (Nil-Cor 310 ST-T-S)	1,229.78	159.53
40 05 63 43-0016	EA	3" Vinyl Ester, 150 Lb. Flange, Ball Valve (Nil-Cor 310 ST-T-S)	1,808.60	203.65
40 05 63 43-0017	EA	4" Vinyl Ester, 150 Lb. Flange, Ball Valve (Nil-Cor 310 ST-T-S)	2,780.62	341.84

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 63 43-0018	EA	6" Vinyl Ester, 150 Lb. Flange, Ball Valve (Nil-Cor 310 ST-T-S)	5,164.27	432.27

40 05 71 Solids Handling Valves *(40 05)*

40 05 71 16 Flap Gates *(40 05 71)*

40 05 71 16-0001 Cast Iron, Flap Valves *(40 05 71 16)*

40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03)	691.69	114.55
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)	868.16	192.29
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)	992.68	229.59
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)	1,457.05	290.49
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)	1,913.39	355.86
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)	2,202.42	431.34
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)	4,297.24	614.46
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)	6,042.91	1,351.82
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)	6,013.64	749.65
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)	7,336.87	844.89
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)	9,464.42	1,036.91
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)	19,256.38	1,639.33

40 05 71 23 Mud Valves *(40 05 71)*

40 05 71 23-0001 Cast Iron, Non-Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0002	EA	3" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/03)	965.62	76.37
40 05 71 23-0003	EA	4" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/04)	1,098.36	128.19
40 05 71 23-0004	EA	6" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/06)	1,185.65	153.06
40 05 71 23-0005	EA	8" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/08)	1,540.29	193.66
40 05 71 23-0006	EA	10" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/10)	2,312.99	237.23
40 05 71 23-0007	EA	12" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/12)	2,714.31	287.56
40 05 71 23-0008	EA	14" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/14)	5,196.27	409.65
40 05 71 23-0009	EA	16" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/16)	6,915.65	901.22
40 05 71 23-0010	EA	18" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/18)	6,934.15	499.76
40 05 71 23-0011	EA	20" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/20)	7,668.14	563.26
40 05 71 23-0012	EA	24" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/24)	9,725.23	691.27
40 05 71 23-0013	EA	30" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/30)	15,076.24	1,092.88

40 05 71 23-0014 Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve *(40 05 71 23)*

40 05 71 23-0015	EA	4" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/04CSS)	1,944.05	128.19
40 05 71 23-0016	EA	6" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/06CSS)	2,401.83	153.06
40 05 71 23-0017	EA	8" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/08CSS)	3,719.75	193.66
40 05 71 23-0018	EA	10" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/10CSS)	4,506.22	237.23
40 05 71 23-0019	EA	12" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/12CSS)	5,903.47	287.56

40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0021	EA	4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	1,384.96	128.19
40 05 71 23-0022	EA	6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	1,523.03	153.06
40 05 71 23-0023	EA	8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,940.36	193.66
40 05 71 23-0024	EA	10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	3,014.79	237.23
40 05 71 23-0025	EA	12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	3,930.08	287.56
40 05 71 23-0026	EA	16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	7,178.56	901.22
40 05 71 23-0027	EA	18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	7,584.20	499.76

40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves *(40 05 71 23)*

40 05 71 23-0029	EA	4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	2,290.13	128.19
40 05 71 23-0030	EA	6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	2,831.17	153.06
40 05 71 23-0031	EA	8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	3,788.76	193.66
40 05 71 23-0032	EA	10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	5,328.38	237.23
40 05 71 23-0033	EA	12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	7,515.34	287.56

40 05 73 Special-Application Process Valves *(40 05)*

40 05 73 13 Altitude Valves *(40 05 73)*

40 05 73 13-0001 Single Acting, Modulating, Altitude Valves *(40 05 73 13)*

40 05 73 13-0002	EA	2-1/2" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	5,325.02	173.48
40 05 73 13-0003	EA	3" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	5,437.15	203.40
40 05 73 13-0004	EA	4" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	6,586.33	340.99
40 05 73 13-0005	EA	6" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	8,013.77	430.72
40 05 73 13-0006	EA	8" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	11,461.97	550.37
40 05 73 13-0007	EA	10" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	12,930.23	670.01
40 05 73 13-0008	EA	12" Diameter, Flanged, Single Acting, Modulating, Altitude Valve	19,491.66	813.59

40 05 73 13-0009 Single Acting, Non-Modulating, Altitude Valves *(40 05 73 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 73 13-0010	EA	2-1/2" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	5,362.58	173.48
40 05 73 13-0011	EA	3" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	5,549.82	203.40
40 05 73 13-0012	EA	4" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	6,811.66	340.99
40 05 73 13-0013	EA	6" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	8,426.88	430.72
40 05 73 13-0014	EA	8" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	11,687.31	550.37
40 05 73 13-0015	EA	10" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	12,967.78	670.01
40 05 73 13-0016	EA	12" Diameter, Flanged, Single Acting, Non-Modulating, Altitude Valve	19,641.88	813.59
40 05 73 13-0017		Double Acting, Non-Modulating, Altitude Valves *(40 05 73 13)*		
40 05 73 13-0018	EA	2-1/2" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	6,451.67	173.48
40 05 73 13-0019	EA	3" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	6,714.02	203.40
40 05 73 13-0020	EA	4" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	8,050.97	340.99
40 05 73 13-0021	EA	6" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	9,102.87	430.72
40 05 73 13-0022	EA	8" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	11,574.64	550.37
40 05 73 13-0023	EA	10" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	15,634.19	670.01
40 05 73 13-0024	EA	12" Diameter, Flanged, Double Acting, Non-Modulating, Altitude Valve	23,547.60	813.59

40 20 Liquids Process Piping *(40)*

40 23 Water and Wastewater Process Piping *(40 20)*

40 23 51 Water and Wastewater Process Valves *(40 23)*

40 23 51 00-0001		Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves *(40 23 51)*		
40 23 51 00-0002	EA	2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,CI,T,NBR*LV)	737.78	173.22
40 23 51 00-0003	EA	3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,CI,T,NBR*LV)	1,135.54	221.18
40 23 51 00-0004	EA	4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-HD8)	2,279.34	340.99
40 23 51 00-0005	EA	4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,CI,T,NBR,1304G0*GS-6-CW8)	2,575.98	340.99
40 23 51 00-0006	EA	6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-HD8)	3,225.40	406.70
40 23 51 00-0007	EA	6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,CI,T,NBR,1304G0*GS-6-CW8)	3,585.92	406.70
40 23 51 00-0008	EA	8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-HD12)	4,796.64	519.67
40 23 51 00-0009	EA	8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,CI,T,NBR,1304G0*GS-6-CW12)	5,233.38	519.67
40 23 51 00-0010	EA	10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-HD12)	7,300.71	632.64
40 23 51 00-0011	EA	10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,CI,T,NBR,1304G0*GS-12-CW12)	7,922.86	632.64
40 23 51 00-0012	EA	14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-HD16)	12,467.36	1,092.38
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,CI,T,NBR,1304G0*GS-12-CW20)	13,274.92	1,092.38
40 23 51 00-0014		Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves *(40 23 51)*		
40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,CI,NBR,CR*LV)	732.90	173.25
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,CI,NBR,CR*LV)	1,128.43	221.19
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-HD8)	2,023.88	340.99
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-CW8)	2,380.27	340.99
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-HD8)	2,875.18	406.70
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-CW8)	3,235.70	406.70
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-HD12)	4,209.51	519.67
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-CW12)	4,644.19	519.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-HD12)	6,723.88	632.64
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-12-CW12)	7,158.56	632.64
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-HD16)	8,852.83	768.19
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-CW20)	9,656.27	768.19
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-HD16)	11,315.76	1,092.38
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-CW20)	12,123.32	1,092.38
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-HD16)	13,629.83	1,201.62
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-CW20)	14,437.39	1,201.62
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-HD24)	17,913.89	1,332.70
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-CW30)	18,597.84	1,332.70
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-HD16)	24,734.34	1,502.02
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-16-CW20)	25,517.18	1,502.02
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-HD16)	44,056.29	1,843.39
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-CW20)	44,839.12	1,843.39
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-HD24)	60,746.85	2,914.35
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,CI,NBR,CR*GS-16-CW30)	61,686.26	2,914.35
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-HD30)	92,813.23	3,885.81
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,CI,NBR,CR*GS-16-CW30)	93,202.59	3,885.81
40 23 51 00-0041		Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves *(40 23 51)*		
40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-HD8)	2,367.48	221.19
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,CI,NBR,CR*GS-6A-CW8)	2,789.80	221.19
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-HD8)	2,617.20	340.99
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,CI,NBR,CR*GS-6A-CW8)	3,041.58	340.99
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-HD8)	4,107.12	406.70
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,CI,NBR,CR*GS-6A-CW8)	4,531.51	406.70
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-HD12)	5,035.61	519.67
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,CI,NBR,CR*GS-6A-CW12)	5,550.64	519.67
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-HD12)	8,219.51	632.64
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,CI,NBR,CR*GS-12A-CW12)	8,734.54	632.64
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-HD16)	9,732.50	768.19
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,CI,NBR,CR*GS-12A-CW20)	10,395.85	768.19
40 23 51 00-0054	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16)	12,840.24	1,092.38
40 23 51 00-0055	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20)	13,499.47	1,092.38
40 23 51 00-0056	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16)	15,191.38	1,201.62
40 23 51 00-0057	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20)	15,850.62	1,201.62
40 23 51 00-0058	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24)	19,475.44	1,332.70
40 23 51 00-0059	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30)	20,287.12	1,332.70
40 23 51 00-0060	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24)	33,528.91	1,502.02
40 23 51 00-0061	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30)	26,600.79	1,502.02
40 23 51 00-0062	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24)	54,935.67	1,843.39
40 23 51 00-0063	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30)	54,935.67	1,843.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0064	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24)	84,419.46	2,914.35
40 23 51 00-0065	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30)	84,419.46	2,914.35
40 23 51 00-0066	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24)	116,240.69	3,885.81
40 23 51 00-0067	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30)	116,240.69	3,885.81
40 23 51 00-0068		**Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0069	EA	4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT)	1,442.93	341.84
40 23 51 00-0070	EA	6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT)	2,404.52	451.88
40 23 51 00-0071	EA	8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N)	4,298.07	516.41
40 23 51 00-0072	EA	10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N)	6,116.15	632.64
40 23 51 00-0073	EA	12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N)	7,671.86	766.81
40 23 51 00-0074	EA	14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N)	11,047.95	1,092.38
40 23 51 00-0075	EA	16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N)	13,699.87	1,201.62
40 23 51 00-0076	EA	18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N)	17,733.27	1,335.11
40 23 51 00-0077	EA	20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N)	23,805.23	1,502.02
40 23 51 00-0078	EA	24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N)	46,975.41	1,848.65
40 23 51 00-0079	EA	30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N)	63,536.54	2,967.34
40 23 51 00-0080	EA	36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N)	91,813.72	3,709.18
40 23 51 00-0081		**Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves** *(40 23 51)*		
40 23 51 00-0082	EA	4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP)	8,579.43	340.99
40 23 51 00-0083	EA	6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP)	9,387.16	406.70
40 23 51 00-0084	EA	8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP)	10,370.49	519.67
40 23 51 00-0085	EA	10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP)	11,965.45	632.64
40 23 51 00-0086	EA	12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP)	15,292.76	768.19
40 23 51 00-0087	EA	14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP)	18,640.82	1,092.38
40 23 51 00-0088	EA	16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP)	21,992.54	1,201.62
40 23 51 00-0089	EA	18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP)	25,812.44	1,332.70
40 23 51 00-0090	EA	20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP)	32,204.21	1,502.02
40 23 51 00-0091	EA	24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP)	60,718.38	1,843.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0092		Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves *(40 23 51)*		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC)	9,412.79	221.19
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC)	10,209.62	340.99
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC)	11,307.65	406.70
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC)	12,365.86	519.67
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC)	16,017.98	632.64
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC)	20,615.45	768.19
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC)	35,280.58	1,092.38
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC)	48,950.87	1,201.62
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC)	53,115.32	1,332.70
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC)	51,711.97	1,502.02
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC)	63,905.14	1,843.39
40 23 51 00-0104		Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves *(40 23 51)*		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,308.15	173.22
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC)	3,552.63	221.19
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,118.74	340.99
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC)	4,640.50	406.70
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC)	6,090.41	519.67
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC)	8,358.24	632.64
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC)	14,709.14	768.19
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC)	17,146.39	1,092.38
40 23 51 00-0113	EA	16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC)	21,620.37	1,201.62
40 23 51 00-0114	EA	18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC)	31,889.54	1,332.70
40 23 51 00-0115	EA	20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC)	35,792.63	1,502.02
40 23 51 00-0116	EA	24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC)	54,907.26	1,843.39
40 23 51 00-0117		Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valves *(40 23 51)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0118	EA	2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,333.23	173.25
40 23 51 00-0119	EA	3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	1,503.88	221.19
40 23 51 00-0120	EA	4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS)	2,051.53	340.99
40 23 51 00-0121	EA	6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	2,438.97	406.70
40 23 51 00-0122	EA	8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS)	3,183.40	519.67
40 23 51 00-0123	EA	10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS)	4,620.66	632.64
40 23 51 00-0124	EA	12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,12,BD,F1,S2,SMP,S2-CR*MN-HD16-CS)	6,172.69	768.19
40 23 51 00-0125	EA	14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,14,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	8,840.65	1,092.38
40 23 51 00-0126	EA	16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,16,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	10,915.19	1,201.62
40 23 51 00-0127	EA	18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,18,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	15,047.35	1,332.70
40 23 51 00-0128	EA	20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,20,BD,F1,S2,SMP,S2-CR*MN-HD20-S1)	18,119.87	1,502.02
40 23 51 00-0129	EA	24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy-Duty, Knifegate Valve (DeZurik KGC,24,BD,F1,S2,SMP,S2-CR*MNB-HD24-S1)	27,221.46	1,843.39
40 23 51 00-0130		**Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves** *(40 23 51)*		
40 23 51 00-0131	EA	1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1.2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	6,951.75	97.45
40 23 51 00-0132	EA	2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	7,045.73	173.22
40 23 51 00-0133	EA	3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	8,410.57	221.19
40 23 51 00-0134	EA	4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*)	9,187.09	340.99
40 23 51 00-0135		**Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves** *(40 23 51)*		
40 23 51 00-0136	EA	2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	3,930.57	173.22
40 23 51 00-0137	EA	4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4)	7,071.90	340.99
40 23 51 00-0138	EA	6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	12,069.01	406.70
40 23 51 00-0139	EA	8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6)	13,473.29	519.67
40 23 51 00-0140	EA	10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	18,048.27	632.64
40 23 51 00-0141	EA	12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	24,952.89	768.19
40 23 51 00-0142	EA	14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8)	38,107.51	1,092.38
40 23 51 00-0143	EA	16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	61,487.92	1,201.62
40 23 51 00-0144	EA	18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	70,880.38	1,332.70
40 23 51 00-0145	EA	20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10)	89,508.21	1,502.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0146		Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves *(40 23 51)*		
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT)	1,655.68	173.22
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT)	1,814.35	188.42
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	2,730.80	340.99
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	3,126.15	340.99
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	3,790.48	406.70
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	4,224.19	406.70
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8)	4,728.68	519.67
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8)	5,237.28	519.67
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	6,697.09	632.64
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	7,250.81	632.64
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	8,433.70	768.19
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	8,987.41	768.19
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8)	12,255.23	1,092.38
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8)	12,808.94	1,092.38
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16)	16,452.35	1,201.62
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	18,021.21	1,201.62
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	20,861.37	1,332.70
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20)	22,430.23	1,332.70
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24)	24,663.40	1,502.02
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30)	27,025.47	1,502.02
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16)	42,505.41	1,843.39
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20)	44,063.66	1,843.39
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	66,552.35	2,914.35
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	69,396.72	2,914.35
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30)	90,223.47	3,885.81
40 23 51 00-0172	EA	36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	91,561.72	3,885.81
40 23 51 00-0173		Plug, Bearings And Packing, Plug Valve Rebuild Kits *(40 23 51)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0174	EA	2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	449.89	
40 23 51 00-0175	EA	4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,274.16	
40 23 51 00-0176	EA	6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,574.74	
40 23 51 00-0177	EA	8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,876.78	
40 23 51 00-0178	EA	10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,490.15	
40 23 51 00-0179	EA	12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	5,443.37	
40 23 51 00-0180	EA	14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	9,338.54	
40 23 51 00-0181	EA	16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,664.65	
40 23 51 00-0182		**Air Cushioned, Lever And Weight, 125 Lb. Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves** *(40 23 51)*		
40 23 51 00-0183	EA	3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,100.15	203.40
40 23 51 00-0184	EA	4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,880.21	340.99
40 23 51 00-0185	EA	6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,550.02	406.70
40 23 51 00-0186	EA	8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	6,911.33	519.67
40 23 51 00-0187	EA	10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	9,229.78	632.64
40 23 51 00-0188	EA	12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	12,839.75	768.19
40 23 51 00-0189	EA	14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	18,868.91	1,092.38
40 23 51 00-0190	EA	16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	21,185.45	1,201.62
40 23 51 00-0191	EA	18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	25,648.12	1,332.70
40 23 51 00-0192	EA	20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	27,366.74	1,502.02
40 23 51 00-0193	EA	24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	50,336.71	1,843.39
40 23 51 00-0194		**Lever And Weight, 125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves** *(40 23 51)*		
40 23 51 00-0195	EA	3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,880.98	203.40
40 23 51 00-0196	EA	4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,605.42	340.99
40 23 51 00-0197	EA	6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	4,190.35	406.70
40 23 51 00-0198	EA	8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,769.21	519.67
40 23 51 00-0199	EA	10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	7,978.89	632.64
40 23 51 00-0200	EA	12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,439.94	768.19
40 23 51 00-0201	EA	14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	17,821.97	1,092.38
40 23 51 00-0202	EA	16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	20,090.92	1,201.62
40 23 51 00-0203	EA	18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	24,143.43	1,332.70
40 23 51 00-0204	EA	20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	25,764.60	1,502.02
40 23 51 00-0205	EA	24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	45,133.72	1,843.39
40 23 51 00-0206		**125 Lb. Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves** *(40 23 51)*		
40 23 51 00-0207	EA	3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	9,985.24	203.40
40 23 51 00-0208	EA	4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,411.78	340.99
40 23 51 00-0209	EA	6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	13,621.90	406.70
40 23 51 00-0210	EA	8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,934.98	519.67
40 23 51 00-0211	EA	10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	23,134.63	632.64
40 23 51 00-0212	EA	12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	28,781.84	768.19
40 23 51 00-0213		**Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves** *(40 23 51)*		
40 23 51 00-0214	EA	3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,420.80	203.40
40 23 51 00-0215	EA	4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,834.65	340.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,359.28	406.70
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	4,832.82	519.67
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	5,801.28	632.64
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	8,309.64	768.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	444.28	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	133.60	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	1,072.42	

41 10 Bulk Material Processing Equipment *(41)*

41 12 Bulk Material Conveying Equipment *(41 10)*

41 12 13 Bulk Material Conveyors *(41 12)*

41 12 13 19 Belt Bulk Material Conveyors *(41 12 13)*

41 12 13 19-0001 Belt Bulk Material Conveyors And Accessories (Serpentix) *(41 12 13 19)*

41 12 13 19-0002	EA	4', 10 HP, 230/460 Volt, 3 Phase, 60 Hertz, Drive Station Unit For Model-H Conveyor	69,679.55	1,878.18
41 12 13 19-0003	EA	10', 1/4" Thick, Hi-Profile Straight Track For Model-H Conveyor	16,331.14	440.20
41 12 13 19-0004	EA	Hi-Profile Vertical Curve For Model-H Conveyor	20,686.12	557.58
41 12 13 19-0005	EA	Hi-Profile Horizontal Curve For Model-H Conveyor	22,863.61	616.27
41 12 13 19-0006	EA	Hi-Profile Helix Curve For Model-H Conveyor	27,218.58	733.66
41 12 13 19-0007	EA	4', 20 Amperes, 125/250/480 Volt AC, Single Pole, Double Throw Circuit, Tension Station Unit For Model-H Conveyor	40,827.87	1,100.50
41 12 13 19-0008	EA	10' Section Support Tower For Model-H Conveyor	10,887.43	293.47
41 12 13 19-0009	PR	Support Legs For Model-H Conveyor	1,615.01	34.96
41 12 13 19-0010	PR	Tension Station Support legs For Model-H Conveyor	2,153.34	46.62
41 12 13 19-0011	LF	32" Wide Conveyor Belt And Chain For Model-H	3,230.01	69.93
41 12 13 19-0012	DAY	Field Testing/Field Services/Operation And Maintainence Training	15,450.75	
		For Each Additional Day Onsite, Add	*4,635.22*	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist	8,172.28	457.35
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist	8,267.68	457.35
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist	9,967.71	457.35
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist	12,590.98	609.80
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	15,889.37	762.25
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	18,708.96	1,120.20
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	21,597.76	1,352.99
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	22,032.99	1,352.99

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	3,597.90	442.10
		For DC Electrical Operated, Add	*677.75*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	3,746.77	442.10
		For DC Electrical Operated, Add	*714.37*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	4,123.57	442.10
		For DC Electrical Operated, Add	*804.93*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	6,119.78	457.35
		For DC Electrical Operated, Add	*1,294.32*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	5,306.39	457.35
		For DC Electrical Operated, Add	*1,088.26*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	7,504.66	472.60
		For DC Electrical Operated, Add	*1,625.55*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	6,847.83	518.33
		For DC Electrical Operated, Add	*1,418.68*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	8,411.88	640.29
		For DC Electrical Operated, Add	*1,802.23*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	9,874.72	653.18
		For DC Electrical Operated, Add	*2,186.18*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	15,799.87	681.58
		For DC Electrical Operated, Add	*3,608.88*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	18,888.64	709.98
		For DC Electrical Operated, Add	*4,366.32*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	26,040.68	738.38
		For DC Electrical Operated, Add	*6,139.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	33,276.37	809.38
		For DC Electrical Operated, Add	*7,912.41*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

41 22 23 13-0025 Hand Chain Hoists *(41 22 23 13)*

41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,951.86	186.74
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,294.96	189.30
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	3,072.30	198.26
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,454.64	200.81
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	4,164.31	211.05
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,665.25	246.85
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,455.25	254.53
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,425.84	306.97
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	10,283.46	321.04
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	18,093.46	367.09

END OF SECTION 41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 10 Gas Handling Equipment *(43)*

43 11 Gas Fans, Blowers, Pumps And Boosters *(43 10)*

43 11 43 Gas-handling Vacuum Pumps *(43 11)*

43 11 43 00-0001 Vacuum Pumps *(43 11 43)*

43 11 43 00-0002	EA	20 SCFM, Duplex Vacuum Pump	5,435.82	806.17
43 11 43 00-0003	EA	60 SCFM, 10 HP Vacuum Pump	8,161.72	1,299.41
43 11 43 00-0004	EA	180 SCFM, Triplex Vacuum Pump	9,734.90	1,612.36
43 11 43 00-0005	EA	Vacuum Pressure Pump, Millipore #XX5500000 Or Equal, 115 Volt, 60 Hertz	1,840.31	597.99

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 57 Progressing Cavity Pumps *(43 23)*

43 23 57 00-0001 Progressive Cavity Pumps *(43 23 57)*

43 23 57 00-0002 Progressive Cavity Pumps (Seepex N Series) *(43 23 57 00-0001)*

Note: Includes CI housing, tool steel rotor, Nitrile stator, single mech. seal, WP motors (TEXP) base plates, couplings, and OSHA guards.

43 23 57 00-0003	EA	3 HP, 50 GPM, Progressive Cavity Pumps, 5" x 4" ANSI Flange (Seepex Model 35-6L)	12,067.50	255.47
43 23 57 00-0004	EA	5 HP, 50 GPM, Progressive Cavity Pumps, 6" x 5" ANSI Flange (Seepex Model 35-12)	16,900.35	255.47
43 23 57 00-0005	EA	7.5 HP, 100 GPM, Progressive Cavity Pumps, 5" x 5" ANSI Flange (Seepex Model 52-6L)	14,373.73	255.47
43 23 57 00-0006	EA	10 HP, 100 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 52-12)	22,111.56	255.47
43 23 57 00-0007	EA	10 HP, 150 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 70-6L)	18,458.01	255.47
43 23 57 00-0008	EA	15 HP, 150 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 70-12)	33,583.64	255.47
43 23 57 00-0009	EA	7.5 HP, 150 GPM, Progressive Cavity Pumps, 6" x 6" ANSI Flange (Seepex Model 100-6L)	21,684.46	255.47
43 23 57 00-0010	EA	15HP, 250 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 130-6L)	32,252.04	255.47
43 23 57 00-0011	EA	20 HP, 350 GPM, Progressive Cavity Pumps, 8" x 6" ANSI Flange (Seepex Model 200-6L)	42,161.47	383.20

43 23 57 00-0012 Progressive Cavity Pumps (Monoflo) *(43 23 57 00-0001)*

Note: Monoflo Progressive Cavity Pumps BARESHAFT: E range heavy-duty, 316 SST HCP rotor and shaft, Stator either Nitrile or natural rubber, Power Drive Shaft, gland packing or John Crane502 mechanical seal.

43 23 57 00-0013	EA	Model E01 Monoflo 2 Stage Progressive Cavity Pumps	3,912.39	129.99
		For High Nitrile Stator, Add	*20.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*42.00*	
		For Rotor Coating, Duracoat 3000, Add	*721.00*	
43 23 57 00-0014	EA	Model E01 Monoflo 4 Stage Progressive Cavity Pumps	4,465.99	129.99
		For High Nitrile Stator, Add	*34.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*71.00*	
		For Rotor Coating, Duracoat 3000, Add	*747.00*	
43 23 57 00-0015	EA	Model E02 Monoflo 1 Stage Progressive Cavity Pumps	4,098.68	129.99
		For High Nitrile Stator, Add	*12.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*45.00*	
		For Rotor Coating, Duracoat 3000, Add	*767.00*	
43 23 57 00-0016	EA	Model E02 Monoflo 2 Stage Progressive Cavity Pumps	4,403.03	129.99
		For High Nitrile Stator, Add	*24.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*55.00*	
		For Rotor Coating, Duracoat 3000, Add	*836.00*	
43 23 57 00-0017	EA	Model E02 Monoflo 4 Stage Progressive Cavity Pumps	5,691.26	129.99
		For High Nitrile Stator, Add	*47.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*72.00*	
		For Rotor Coating, Duracoat 3000, Add	*850.00*	
43 23 57 00-0018	EA	Model E03 Monoflo 1 Stage Progressive Cavity Pumps	4,788.46	191.60
		For High Nitrile Stator, Add	*14.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*50.00*	
		For Rotor Coating, Duracoat 3000, Add	*822.00*	
43 23 57 00-0019	EA	Model E03 Monoflo 2 Stage Progressive Cavity Pumps	5,570.32	191.60
		For High Nitrile Stator, Add	*30.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*59.00*	
		For Rotor Coating, Duracoat 3000, Add	*906.00*	
43 23 57 00-0020	EA	Model E03 Monoflo 4 Stage Progressive Cavity Pumps	10,308.73	191.60
		For High Nitrile Stator, Add	*59.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*80.00*	
		For Rotor Coating, Duracoat 3000, Add	*917.00*	
43 23 57 00-0021	EA	Model E0X Monoflo 1 Stage Progressive Cavity Pumps	6,688.91	255.47
		For High Nitrile Stator, Add	*17.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*54.00*	
		For Rotor Coating, Duracoat 3000, Add	*965.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 23 57 00-0022	EA	Model E0X Monoflo 2 Stage Progressive Cavity Pumps	7,712.16	255.47
		For High Nitrile Stator, Add	*36.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*72.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,162.00*	
43 23 57 00-0023	EA	Model E0X Monoflo 4 Stage Progressive Cavity Pumps	10,842.23	255.47
		For High Nitrile Stator, Add	*70.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*107.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,170.00*	
43 23 57 00-0024	EA	Model E04 Monoflo 1 Stage Progressive Cavity Pumps	7,079.84	255.47
		For High Nitrile Stator, Add	*20.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*71.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,170.00*	
43 23 57 00-0025	EA	Model E04 Monoflo 2 Stage Progressive Cavity Pumps	8,260.51	255.47
		For High Nitrile Stator, Add	*41.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*90.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,417.00*	
43 23 57 00-0026	EA	Model E04 Monoflo 4 Stage Progressive Cavity Pumps	14,638.72	255.47
		For High Nitrile Stator, Add	*80.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*103.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,433.00*	
43 23 57 00-0027	EA	Model E05 Monoflo 1 Stage Progressive Cavity Pumps	8,976.91	383.20
		For High Nitrile Stator, Add	*30.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*100.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,380.00*	
43 23 57 00-0028	EA	Model E05 Monoflo 2 Stage Progressive Cavity Pumps	11,039.14	383.20
		For High Nitrile Stator, Add	*47.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*118.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,673.00*	
43 23 57 00-0029	EA	Model E05 Monoflo 4 Stage Progressive Cavity Pumps	19,306.42	383.20
		For High Nitrile Stator, Add	*92.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*142.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,803.00*	
43 23 57 00-0030	EA	Model E06 Monoflo 1 Stage Progressive Cavity Pumps	10,144.45	383.20
		For High Nitrile Stator, Add	*40.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*121.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,459.00*	
43 23 57 00-0031	EA	Model E06 Monoflo 2 Stage Progressive Cavity Pumps	14,163.96	383.20
		For High Nitrile Stator, Add	*56.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*171.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,867.00*	
43 23 57 00-0032	EA	Model E06 Monoflo 4 Stage Progressive Cavity Pumps	26,372.04	383.20
		For Rotor Coating, Duracoat 3000, Add	*1,885.00*	
43 23 57 00-0033	EA	Model E07 Monoflo 1 Stage Progressive Cavity Pumps	15,337.73	510.93
		For High Nitrile Stator, Add	*46.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*147.00*	
		For Rotor Coating, Duracoat 3000, Add	*1,635.00*	
43 23 57 00-0034	EA	Model E07 Monoflo 2 Stage Progressive Cavity Pumps	18,719.68	510.93
		For High Nitrile Stator, Add	*75.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*174.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,252.00*	
43 23 57 00-0035	EA	Model E07 Monoflo 4 Stage Progressive Cavity Pumps	34,099.81	510.93
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*255.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,266.00*	
43 23 57 00-0036	EA	Model E08 Monoflo 1 Stage Progressive Cavity Pumps	17,170.03	766.40
		For High Nitrile Stator, Add	*57.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*154.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,069.00*	
43 23 57 00-0037	EA	Model E08 Monoflo 2 Stage Progressive Cavity Pumps	22,239.02	766.40
		For High Nitrile Stator, Add	*94.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*179.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,915.00*	
43 23 57 00-0038	EA	Model E08 Monoflo 4 Stage Progressive Cavity Pumps	39,256.34	766.40
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*262.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,936.00*	
43 23 57 00-0039	EA	Model E09 Monoflo 1 Stage Progressive Cavity Pumps	22,210.16	766.40
		For High Nitrile Stator, Add	*81.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*129.00*	
43 23 57 00-0040	EA	Model E09 Monoflo 2 Stage Progressive Cavity Pumps	30,225.56	766.40
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*262.00*	
		For Rotor Coating, Duracoat 3000, Add	*3,502.00*	
43 23 57 00-0041	EA	Model E10 Monoflo 1 Stage Progressive Cavity Pumps	27,469.99	1,021.85
		For High Nitrile Stator, Add	*106.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*358.00*	
		For Rotor Coating, Duracoat 3000, Add	*2,855.00*	
43 23 57 00-0042	EA	Model E10 Monoflo 2 Stage Progressive Cavity Pumps	37,917.56	1,021.85
		For High Nitrile Stator, Add	*162.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*499.00*	
		For Rotor Coating, Duracoat 3000, Add	*3,581.00*	
43 23 57 00-0043	EA	Model E10 Monoflo 4 Stage Progressive Cavity Pumps	82,785.45	1,021.85
		For Rotor Coating, Duracoat 3000, Add	*4,329.00*	
43 23 57 00-0044	EA	Model E12 Monoflo 1 Stage Progressive Cavity Pumps	42,990.13	1,149.58
		For Ethylene Propylene Diene Monomer (EPDM) Lined Stator, Add	*522.00*	
		For Rotor Coating, Duracoat 3000, Add	*3,312.00*	
43 23 57 00-0045	EA	Model E12 Monoflo 2 Stage Progressive Cavity Pumps	61,812.56	1,149.58
		For Rotor Coating, Duracoat 3000, Add	*5,284.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
43 23 57 00-0046	EA	Model E15 Monoflo 1 Stage Progressive Cavity Pumps	65,835.65	1,277.32
		For Rotor Coating, Duracoat 3000, Add	*4,400.00*	
43 23 57 00-0047	EA	Model E15 Monoflo 2 Stage Progressive Cavity Pumps	153,089.42	1,277.32
43 23 57 00-0048	EA	Model E16 Monoflo 1 Stage Progressive Cavity Pumps	87,220.75	2,043.71
43 23 57 00-0049	EA	Model E20 Monoflo 1 Stage Progressive Cavity Pumps	171,593.00	2,043.71

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	5,106.77	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	4,200.40	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	2,277.38	146.73
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	4,211.42	220.10
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	6,028.08	234.77

43 42 41 00-0005 L.P.G. Propane Vaporizers *(43 42 41)*

43 42 41 00-0006	EA	21.5 KW, 26 Amperes, 80 Gal/hour, 480 Volt, Three Phase, Electric Vaporizer	9,160.48	478.58
43 42 41 00-0007	EA	35.6 KW, 43 Amperes, 120 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	12,536.06	598.23
43 42 41 00-0008	EA	39.5 KW, 47.5 Amperes, 160 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	17,997.21	681.98
43 42 41 00-0009	EA	80 KW, 94.8 Amperes, 320 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	31,308.96	837.52
43 42 41 00-0010	EA	120 KW, 142.2 Amperes, 432 Gal/Hour, 480 Volt, Three Phase, Electric Vaporizer	46,270.62	909.30

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

44 Pollution and Waste Control Equipment

44 30 Odor Control *(44)*

44 32 Odor Dispersing and Masking/Counteracting Equipment *(44 30)*

44 32 23 Odor Masking/Counteracting Equipment *(44 32)*

44 32 23 00-0001 Air Purification Systems (Carbtrol) *(44 32 23)*

44 32 23 00-0002	EA	90 CFM, 1/3 HP, Coconut Shell Carbon, Cord And Plug, 2-1/2" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-1BP90)	7,406.45	149.56
44 32 23 00-0003	EA	175 CFM, 1/3 HP, Coconut Shell Carbon, Cord And Plug, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-2B175)	7,713.50	179.47
44 32 23 00-0004	EA	275 CFM, 1/2 HP, Coconut Shell Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-2B275)	9,400.80	209.38
44 32 23 00-0005	EA	450 CFM, 3/4 HP, Coconut Shell Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol G-3B450)	10,367.06	239.29
44 32 23 00-0006	EA	90 CFM, 1/3 HP, CAT 2 Carbon, Cord And Plug, 2-1/2" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-1B90)	8,075.99	149.56
44 32 23 00-0007	EA	175 CFM, 1/3 HP, CAT 2 Carbon, Cord And Plug, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-2B175)	8,434.53	179.47
44 32 23 00-0008	EA	275 CFM, 1/2 HP, CAT 2 Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-2B275)	10,121.83	209.38
44 32 23 00-0009	EA	450 CFM, 3/4 HP, CAT 2 Carbon, Manual Motor, 4-5/8" Suction Hose, Carbon Absorber For Odor Control (Carbtrol GC2-3B450)	11,088.10	239.29

44 32 23 00-0010 Odor Control Systems (Carbtrol) *(44 32 23)*

44 32 23 00-0011	EA	225 CFM, 3/4 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G20)	45,522.82	195.02
44 32 23 00-0012	EA	500 CFM, 1 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G21)	53,933.87	248.86
44 32 23 00-0013	EA	900 CFM, 3 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G22)	61,845.34	299.11
44 32 23 00-0014	EA	1400 CFM, 3 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G23)	73,377.49	329.03
44 32 23 00-0015	EA	2000 CFM, 5 HP, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorder, Odor Control System (Carbtrol G24)	86,913.39	358.94
44 32 23 00-0016	EA	225 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-20)	46,376.76	195.02
44 32 23 00-0017	EA	500 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-21)	55,647.71	248.86
44 32 23 00-0018	EA	900 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-22)	64,883.77	299.11
44 32 23 00-0019	EA	1400 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-23)	77,954.99	329.03
44 32 23 00-0020	EA	2000 CFM, CAT, NEMA 4X Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol GC2-24)	93,764.74	358.94
44 32 23 00-0021	EA	225 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G20)	48,303.08	195.02
44 32 23 00-0022	EA	500 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G21)	58,104.26	248.86
44 32 23 00-0023	EA	900 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G22)	67,207.27	299.11
44 32 23 00-0024	EA	1,400 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G23)	79,533.78	329.03
44 32 23 00-0025	EA	2,000 CFM, NEMA 7 Control Panel, XP Fan/Motor, Skid Mounted Carbon Absorber, Odor Control System (Carbtrol G24)	94,261.22	358.94

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

46 Water And Wastewater Equipment

46 20 Water and Wastewater Preliminary Treatment Equipment *(46)*

46 21 Screening Equipment *(46 20)*

46 21 56 Wedge Wire Screens *(46 21)*

46 21 56 00-0001 Wastewater Stationary Screening *(46 21 56)*

46 21 56 00-0002	EA	145 Lb., SV1.5S, 90 GPM, Wastewater Stationary Screen	16,444.58	827.33
46 21 56 00-0003	EA	190 Lb., SV2S, 180 GPM, Wastewater Stationary Screen	22,230.95	827.33
46 21 56 00-0004	EA	740 Lb., SV3S, 280 GPM, Wastewater Stationary Screen	26,313.55	1,034.15
46 21 56 00-0005	EA	980 Lb., SV4S, 400 GPM, Wastewater Stationary Screen	33,965.26	1,034.15
46 21 56 00-0006	EA	1,300 Lb., SV6S, 600 GPM, Wastewater Stationary Screen	45,461.86	1,034.15
46 21 56 00-0007	EA	2,450 Lb., SV6S BB, 1,200 GPM, Wastewater Stationary Screen	81,893.12	1,034.15
46 21 56 00-0008	EA	1,700 Lb., SV8S, 800 GPM, Wastewater Stationary Screen	58,337.31	2,068.31
46 21 56 00-0009	EA	3,300 Lb., SV8S BB, 1,600 GPM, Wastewater Stationary Screen	98,594.43	2,068.31
46 21 56 00-0010	EA	2,300 Lb., SV10S, 1,000 GPM, Wastewater Stationary Screen	69,852.94	2,068.31
46 21 56 00-0011	EA	4,200 Lb., SV10S BB, 2,000 GPM, Wastewater Stationary Screen	125,432.51	2,068.31

46 24 Grinding and Shredding Equipment *(46 20)*

46 24 16 Comminutors *(46 24)*

46 24 16 00-0001 Comminutors *(46 24 16)*

46 24 16 00-0002	EA	Comminutors, Model A-5, 5" Diameter, 1/2 HP, 35 RPM, 164	6,591.60	2,481.97
46 24 16 00-0003	EA	Comminutors, Model A-8, 8" Diameter, 1/2 HP, 35 RPM, 360 GPM	8,724.85	3,309.29
46 24 16 00-0004	EA	Comminutors, Model A-12, 12" Diameter, 3/4 HP, 15 RPM, 1020 GPM	16,039.23	4,963.94

46 25 Oil and Grease Separation and Removal Equipment *(46)*

46 25 47 Floating Scum Skimming and Removal Equipment *(46 25)*

46 25 47 00-0001 Skimming Devices and Accessories (EIMCO) *(46 25 47)*
Note: Material Only - excludes installation

46 25 47 00-0002	EA	3', Stainless Steel, Skimming Device (EIMCO L42700-2)	4,325.29	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*8,780.34*	
46 25 47 00-0003	EA	4', Stainless Steel, Skimming Device (EIMCO L42700-3)	4,784.03	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*9,711.58*	
46 25 47 00-0004	EA	5', Stainless Steel, Skimming Device (EIMCO L42700-4)	5,373.85	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*10,908.92*	
46 25 47 00-0005	EA	6', Stainless Steel, Skimming Device (EIMCO L42700-5)	5,657.83	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*11,485.39*	
46 25 47 00-0006	EA	25,000 ft-lb Torque Rating, Cast Iron Base/Gear, Stainless Steel Oil Piping, NEMA 4X Control Panel, 30" Drive Unit (EIMCO L115100-1)	73,180.42	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*148,556.25*	
46 25 47 00-0007	EA	80,000 ft-lb Torque Rating, Cast Iron Base/Gear, Stainless Steel Oil Piping, NEMA 4X Control Panel, 40" Drive Unit (EIMCO L115342)	84,102.86	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*170,728.81*	
46 25 47 00-0008	EA	Skimming Device Clevis With Bushing (EIMCO 89081A1A)	502.43	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*1,019.93*	
46 25 47 00-0009	EA	Type 'S' Skimmer Arm (EIMCO 48080A1A)	238.11	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*483.36*	
46 25 47 00-0010	EA	Side Wiper Skimmer (EIMCO 81602A)	26.21	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*53.21*	
46 25 47 00-0011	EA	Side Clamp (EIMCO 81598A)	8.74	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*17.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 25 47 00-0012	EA	Hinged Skimmer (EIMCO 88188A)	447.82	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*909.07*	
46 25 47 00-0013	EA	Skimming Device Collar (EIMCO 88011C1A)	264.32	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*536.57*	
46 25 47 00-0014	EA	Wear Block, Skimmer (EIMCO 1141036-01)	131.07	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*266.07*	
46 25 47 00-0015	EA	Stainless Steel Skimming Device Spring (EIMCO 85606A)	91.75	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*186.25*	
46 25 47 00-0016	EA	Drive Control (EIMCO L115759-1)	3,233.05	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*6,563.09*	
46 25 47 00-0017	EA	Actuating Pin (EIMCO 48806A)	52.43	
		For 4" x 4" Guide Shoe, Add	*897.00*	
		For Ceramic Coating, Add	*413.00*	
		For Moisture Sensor, Add	*106.43*	

46 30 Water and Wastewater Chemical Feed Equipment *(46)*

46 31 Gas Chemical Feed Equipment *(46 30)*

46 31 11 Chlorine Gas Feed Equipment *(46 31)*

46 31 11 00-0001 Wastewater Chlorinators, Gas Type *(46 31 11)*

46 31 11 00-0002	EA	Direct Cylinder Mounted Type, Model #201, 100 PPD Gas Chlorinator	3,161.42	827.33
46 31 11 00-0003	EA	Wall Or Direct Cylinder Mounted Type, Model 202, 200 PPD Gas Chlorinator	3,368.17	827.33
46 31 11 00-0004	EA	Wall Or Direct Cylinder Mounted Type, Model 203, 500 PPD Gas Chlorinator	4,201.54	827.33
46 31 11 00-0005	EA	Booster Pump, 20 Thru 500 PPD System	1,102.74	413.66

46 31 11 00-0006 High Capacity Chlorinators, Series 4000 Model *(46 31 11)*

46 31 11 00-0007	EA	Single Cylinder, Floor Cabinet, 40X1C, 100 PPD	6,571.60	1,654.65
46 31 11 00-0008	EA	Single Cylinder, Floor Cabinet, 40X2C, 200 PPD	6,820.97	1,654.65
46 31 11 00-0009	EA	Single Cylinder, Floor Cabinet, 40X3C, 500 PPD	8,016.67	1,654.65
46 31 11 00-0010	EA	Single Cylinder, Floor Cabinet, 40X4C, 2000 PPD	10,845.83	2,481.97
46 31 11 00-0011	EA	Single Cylinder, Floor Cabinet 40X5C, 8000 PPD	12,696.93	2,481.97
46 31 11 00-0012	EA	Single Cylinder, Floor Cabinet, 40X6C, 10000 PPD	13,643.27	2,481.97
46 31 11 00-0013	EA	Dual Cylinder, Wall Cabinet, 40X1C, 100 PPD	5,224.57	1,654.65
46 31 11 00-0014	EA	Dual Cylinder, Wall Cabinet, 40X2C, 200 PPD	5,532.55	1,654.65
46 31 11 00-0015	EA	Dual Cylinder, Wall Cabinet, 40X3C, 500 PPD	6,461.83	1,654.65
46 31 11 00-0016	EA	Dual Cylinder, Wall Cabinet 40X4C, 2000 PPD	9,320.83	2,481.97
46 31 11 00-0017	EA	Dual Cylinder, Wall Cabinet, 41X5C, 8000 PPD	11,246.53	2,481.97

46 31 11 00-0018 High Capacity Chlorinators, Add-Ons *(46 31 11)*

46 31 11 00-0019	EA	Add For Flow Proportioning	2,632.25	
46 31 11 00-0020	EA	Add For Residual Control	9,303.47	
46 31 11 00-0021	EA	Add For Compound Loop	9,303.47	
46 31 11 00-0022	EA	Add For Gas Detectors	1,631.57	
46 31 11 00-0023	EA	Add For Booster Pumps, 20 Thru 500 PPD System	564.82	
46 31 11 00-0024	EA	Add For Booster Pumps, 501 Thru 8000 PPD System	1,694.45	
46 31 11 00-0025	EA	Add For Sample Pump	1,063.56	
46 31 11 00-0026	EA	Add For Factory Rep. Set-Up/Service Fee	5,861.30	

46 33 Liquid Chemical Feed Equipment *(46 30)*

46 33 42 Diaphragm-type Metering Pumps *(46 33)*

46 33 42 00-0001 Chemical Metering Pumps *(46 33 42)*

46 33 42 00-0002	EA	272 GPM, Sodium Hypochlorite Chemical Metering Pump (ProMinent Makro TZMb Pump)	45,213.50	239.29

46 33 66 Liquid Chemical Transfer Pumps *(46 33)*

46 33 66 00-0001 Transfer Pump *(46 33 66)*

46 33 66 00-0002 Polypropylene With Hypalon Liners *(46 33 66 00-0001)*

46 33 66 00-0003	EA	1/4 HP, 120 Volt, Chemical Transfer Pump, 3/4" In/Out	1,124.65	211.23
		For Each LF Of 3/4" ID Braided Polyvinyl Chloride (PVC) Tubing, Add	*22.17*	
		For Hose Clamp, Add	*1.40*	
		For Carrying Kit (Handle, Base And Cord), Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 33 66 00-0004	EA	1/4 HP, 120 Volt, Chemical Transfer Pump, 1" In/Out	1,150.70	211.23
		For Each LF Of 1" ID Braided Polyvinyl Chloride (PVC) Tubing, Add	*22.69*	
		For Hose Clamp, Add	*1.40*	
		For Carrying Kit (Handle, Base And Cord), Add	*96.00*	
46 33 66 00-0005	EA	1/2 HP, 120 Volt, Chemical Transfer Pump, 1-1/4" In/1" Out	1,393.82	259.98
		For Each LF Of 1-1/4" ID Braided Polyvinyl Chloride (PVC) Tubing, Add	*30.88*	
		For Hose Clamp, Add	*1.40*	
		For Carrying Kit (Handle, Base And Cord), Add	*96.00*	

46 40 Water and Wastewater Clarification and Mixing Equipment *(46)*

46 41 Mixing Equipment *(46 40)*

46 41 11 Rapid Mixers *(46 41)*

46 41 11 00-0001 Invent Hyperclassic Mixers And Platforms (Invent & J Blanco Associates) *(46 41 11)*

46 41 11 00-0002 Invent Hyperclassic Mixers *(46 41 11 00-0001)*

46 41 11 00-0003	EA	3 HP, 1500mm, 26 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM1500-26-3.0)	50,459.88	508.74
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0004	EA	1.5 HP, 2000mm, 22 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2000-22-1.5)	53,782.50	418.97
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0005	EA	3 HP, 2000mm, 26 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2000-26-3.0)	55,198.11	508.74
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0006	EA	2 HP, 2500mm, 216 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-16-2.0)	66,626.93	454.88
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0007	EA	3 HP, 2500mm, 18 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-18-3.0)	67,146.69	508.74
		For Baldor Motor, Add	*3,605.18*	
46 41 11 00-0008	EA	5 HP, 2500mm, 22 RPM, FRP Mixer Body With Gearbox And Shaft (Invent & Blanco Associates HCM2500-22-5.0)	74,246.80	556.62
		For Baldor Motor, Add	*3,605.18*	

46 41 11 00-0009 Invent Hyperclassic Platforms *(46 41 11 00-0001)*
Note: For Use With Invent Hyperclassic Mixers

46 41 11 00-0010	EA	Up To 12' x 42" Wide, Carbon Steel, Hot Dip Galvanized Platform With Anodized Aluminum Handrail And Grating (Invent & J Blanco Associates Small Carbon Steel) Note: Includes Stainless Steel 316 Hardware	38,549.30	1,660.79
		For 316 Stainless Steel Handrail, Add	*2,472.12*	
		For 316 Stainless Steel Grating, Add	*5,191.45*	
46 41 11 00-0011	EA	12' To 25' x 42" Wide, Carbon Steel, Hot Dip Galvanized Platform With Anodized Aluminum Handrail And Grating (Invent & J Blanco Associates Big Carbon Steel) Note: Includes Stainless Steel 316 Hardware	44,596.63	2,418.35
		For 316 Stainless Steel Handrail, Add	*4,635.22*	
		For 316 Stainless Steel Grating, Add	*10,815.52*	
46 41 11 00-0012	EA	Up To 12' x 42" Wide Anodized Aluminum Platform With Handrail And Grating (Invent & J Blanco Associates Small Aluminum) Note: Includes Stainless Steel 316 Hardware	56,266.16	1,660.79
		For 316 Stainless Steel Handrail, Add	*2,472.12*	
		For 316 Stainless Steel Grating, Add	*5,191.45*	
46 41 11 00-0013	EA	12' To 25' x 42" Wide Anodized Aluminum Platform With Handrail And Grating (Invent & J Blanco Associates Big Aluminum) Note: Includes Stainless Steel 316 Hardware	62,725.51	2,418.35
		For 316 Stainless Steel Handrail, Add	*4,635.22*	
		For 316 Stainless Steel Grating, Add	*10,815.52*	

46 41 16 Induction-type Rapid Mixing Equipment *(46 41)*

46 41 16 00-0001 Chemical Induction Mixer (Mastrrr Company) *(46 41 16)*

46 41 16 00-0002	EA	5 HP, 460 Volt AC/60 Hertz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-5 HP)	25,590.21	538.66
46 41 16 00-0003	EA	7-1/2 HP, 460 Volt AC/60 Hertz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-7-1/2 HP)	30,965.48	598.52
46 41 16 00-0004	EA	10 HP, 460 Volt AC/60 Hertz/ 3Ppaseh, Chemical Induction Mixer (Mastrrr Co. 32NV-10 HP)	36,870.40	718.22
46 41 16 00-0005	EA	20 HP, 460 Volt AC/60 Hertz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-20 HP)	49,843.66	1,018.68
46 41 16 00-0006	EA	25 HP, 460 Volt AC/60 Hertzz/ 3 Phase, Chemical Induction Mixer (Mastrrr Co. 32NV-25 HP)	55,631.13	1,157.54
46 41 16 00-0007	EA	460 Volt AC/60 Hertz/ 3 Phase, Control Panel (Mastrrr Co. Savvy 3)	15,429.53	113.00
46 41 16 00-0008	EA	20', 316 Stainless Steel, Braided Lifting Cable With One Link Eye (Mastrrr Co. CAB-1)	181.71	13.17
46 41 16 00-0009	EA	20', 3/4" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	820.26	42.35
46 41 16 00-0010	EA	20', 1" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	1,115.02	47.64
46 41 16 00-0011	EA	20', 1-1/2" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	1,331.90	58.22
46 41 16 00-0012	EA	20', 2" Inside Diameter, PVC, Wire Reinforced, Flexible Hose (Mastrrr Co. FX-1)	1,847.21	63.51
46 41 16 00-0013	Day	Start Up Assistance (Mastrrr Co. DHA-FS)	3,708.18	

46 41 23 Submersible Mixers *(46 41)*

46 41 23 00-0001 Submersible Mixers (KSB Amamix) *(46 41 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 41 23 00-0002		**KSB Amamix Submersible Mixers** *(46 41 23 00-0001)*		
46 41 23 00-0003	EA	5.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 120-803/44UMG.	12,576.78	1,559.85
46 41 23 00-0004	EA	6.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 180-801/46UMG.	13,155.88	1,559.85
46 41 23 00-0005	EA	7.5 HP, 3 Phase, 32" Cast Iron Submersible Mixers, Gear Drive Note: Including 316 stainless steel adjustable mixer support frame, cable directing device and lifting handle. KSB Amamix Model 180-802/54UMG.	12,860.79	1,559.85
46 41 23 00-0006		**KSB Amamix Submersible Mixers Accessories** *(46 41 23 00-0001)*		
46 41 23 00-0007	EA	Mast Assemble (Vertical), 20', 316 Stainless Steel Note: Including positioner plate, all wall brackets, pivoting base bracket, anchor bolts, and static cable assembly.	3,233.32	
		For Each Additional Foot Mast Length, Add	*128.00*	
46 41 23 00-0008	EA	Extension Bracket, Wall To Mast, 316 Stainless Steel Note: For "T" and "Y" wall application, including hardware.	383.38	
46 41 23 00-0009	EA	Mixer Stop Bracket, 316 Stainless Steel	119.19	
46 41 23 00-0010	EA	Fixed Reach Hoist, 316 Stainless Steel Note: Includes marine grade winch with 40' of 316 stainless steel cable and shackle.	1,049.67	
46 41 23 00-0011		**Submersible Mixers (US Filter)** *(46 41 23)*		
46 41 23 00-0012		**US Filter Submersible Mixers** *(46 41 23 00-0011)*		
46 41 23 00-0013	EA	2.7 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 6/8 Uniprop.	10,709.69	1,559.85
46 41 23 00-0014	EA	4.4 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/8 Uniprop.	10,103.97	1,559.85
46 41 23 00-0015	EA	5.6 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/8R Uniprop.	10,167.20	1,559.85
46 41 23 00-0016	EA	6 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 6/16 Uniprop.	12,157.68	1,559.85
46 41 23 00-0017	EA	7.4 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/12 Uniprop.	11,035.15	1,559.85
46 41 23 00-0018	EA	10 HP, 3 Phase, Submersible Mixers Note: TR50 2 - 4/16 Uniprop.	23,263.55	1,559.85
46 41 23 00-0019		**US Filter Submersible Mixers Accessories** *(46 41 23 00-0011)*		
46 41 23 00-0020	EA	Vertical Mast Assembly Note: Including 304 stainless steel lowering device, 20' 4" x 4" 304 stainless steel guide rail, fixation plate, bottom bearing plate, all anchors and bolts	6,219.78	
46 41 23 00-0021	EA	Replacement Of Mounting Skids	1,255.10	
46 41 23 00-0022	EA	Replacement Of Rollers	62.45	
46 41 23 00-0023	EA	Replacement Of Cable Clamps	64.67	

46 50 Water and Wastewater Secondary Treatment Equipment *(46)*

46 51 Air and Gas Diffusion Equipment *(46 50)*

46 51 11 Fixed Mechanical Aerators *(46 51)*

46 51 11 00-0001		**High Speed Mechanical Surface Aerator** *(46 51 11)* Note: Includes electric motor, ductile iron deflector, carbon steel core, stainless steel impeller and shaft, fiberglass float, morse moreflex radial coupling and cutless rubber bearing.		
46 51 11 00-0002	EA	5 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	25,224.96	2,038.40
		For Stainless Steel Deflector And Core, Add	*6,767.41*	
		For Floating Unit (Includes Platform With Ballast System), Add	*18,051.12*	
46 51 11 00-0003	EA	7.5 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	26,144.44	2,038.40
		For Stainless Steel Deflector And Core, Add	*7,061.65*	
		For Floating Unit (Includes Platform With Ballast System), Add	*18,800.49*	
46 51 11 00-0004	EA	10 HP, 1,800 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	32,249.72	2,718.64
		For Stainless Steel Deflector And Core, Add	*8,532.83*	
		For Floating Unit (Includes Platform With Ballast System), Add	*22,848.97*	
46 51 11 00-0005	EA	15 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	35,927.66	2,718.64
		For Stainless Steel Deflector And Core, Add	*9,709.77*	
		For Floating Unit (Includes Platform With Ballast System), Add	*25,846.49*	
46 51 11 00-0006	EA	20 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	42,364.06	2,718.64
		For Stainless Steel Deflector And Core, Add	*11,769.41*	
		For Floating Unit (Includes Platform With Ballast System), Add	*31,092.16*	
46 51 11 00-0007	EA	25 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	48,592.41	3,623.69
		For Stainless Steel Deflector And Core, Add	*13,240.59*	
		For Floating Unit (Includes Platform With Ballast System), Add	*35,165.24*	
46 51 11 00-0008	EA	30 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	52,576.84	3,623.69
		For Stainless Steel Deflector And Core, Add	*14,515.61*	
		For Floating Unit (Includes Platform With Ballast System), Add	*38,412.56*	
46 51 11 00-0009	EA	40 HP, 1,200 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	72,517.56	4,076.79
		For Stainless Steel Deflector And Core, Add	*20,596.47*	
		For Floating Unit (Includes Platform With Ballast System), Add	*54,087.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 51 11 00-0010	EA	50 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	77,053.81	4,659.19
		For Stainless Steel Deflector And Core, Add	*21,675.34*	
		For Floating Unit (Includes Platform With Ballast System), Add	*57,068.05*	
46 51 11 00-0011	EA	60 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	89,926.61	4,659.19
		For Stainless Steel Deflector And Core, Add	*25,794.63*	
		For Floating Unit (Includes Platform With Ballast System), Add	*67,559.38*	
46 51 11 00-0012	EA	75 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	95,770.60	5,436.11
		For Stainless Steel Deflector And Core, Add	*27,167.73*	
		For Floating Unit (Includes Platform With Ballast System), Add	*71,367.10*	
46 51 11 00-0013	EA	100 HP, 900 RPM Mechanical Surface Aerator With Ductile Iron Deflector And Carbon Steel Core	112,656.66	6,522.86
		For Stainless Steel Deflector And Core, Add	*31,875.50*	
		For Floating Unit (Includes Platform With Ballast System), Add	*83,792.05*	

46 51 11 00-0014 Low Speed Mechanical Surface Aerator *(46 51 11)*

Note: Includes electric motor gear reduction box, coupling, impeller/shaft, and adjusting studs.

46 51 11 00-0015	EA	15 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	26,978.82	2,718.64
		For Floating Unit (Includes Platform With Ballast System), Add	*18,644.77*	
46 51 11 00-0016	EA	20 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	29,950.28	2,718.64
		For Floating Unit (Includes Platform With Ballast System), Add	*21,066.51*	
46 51 11 00-0017	EA	25 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	35,494.61	3,261.43
		For Floating Unit (Includes Platform With Ballast System), Add	*24,916.55*	
46 51 11 00-0018	EA	30 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	39,208.94	3,261.43
		For Floating Unit (Includes Platform With Ballast System), Add	*27,943.73*	
46 51 11 00-0019	EA	40 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	43,648.04	3,623.69
		For Floating Unit (Includes Platform With Ballast System), Add	*31,115.86*	
46 51 11 00-0020	EA	50 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	46,619.50	3,623.69
		For Floating Unit (Includes Platform With Ballast System), Add	*33,537.60*	
46 51 11 00-0021	EA	60 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	52,725.51	4,076.79
		For Floating Unit (Includes Platform With Ballast System), Add	*37,956.84*	
46 51 11 00-0022	EA	75 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	58,668.43	4,076.79
		For Floating Unit (Includes Platform With Ballast System), Add	*42,800.32*	
46 51 11 00-0023	EA	100 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	68,747.62	4,659.19
		For Floating Unit (Includes Platform With Ballast System), Add	*50,298.51*	
46 51 11 00-0024	EA	125 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	78,472.20	5,436.11
		For Floating Unit (Includes Platform With Ballast System), Add	*57,268.91*	
46 51 11 00-0025	EA	150 HP Mechanical Surface Aerator, Fixed, Low Speed And Electrical Motor Gear Reducing Box	97,043.84	5,436.11
		For Floating Unit (Includes Platform With Ballast System), Add	*72,404.79*	

46 60 Water and Wastewater Advanced Treatment Equipment *(46)*

46 61 Filtration Equipment *(46 60)*

46 61 21 Pressure Filters *(46 61)*

46 61 21 00-0001 Pressure Filter For Pre-Treatment Of Raw Water *(46 61 21)*

Note: For domestic or industrial uses, and as tertiary step to render treated waste water suitable for discharge or possible reuse. Excludes raw water or backwash pumps, loss-of-head indicator, sight glasses, backwash flow rate indicator, nor pre-treatment equipment such as flash mixers, clarifiers, and chemical feed equipment.

46 61 21 00-0002 Pressure Filter With 100 PSI Non-Code Steel Construction *(46 61 21 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 61 21 00-0003	EA	3' Diameter, 36 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	16,373.91	2,903.91
46 61 21 00-0004	EA	4' Diameter, 65 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	23,861.91	3,250.00
46 61 21 00-0005	EA	5' Diameter, 100 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	29,771.40	3,250.00
46 61 21 00-0006	EA	6' Diameter, 140 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	40,512.46	3,591.96
46 61 21 00-0007	EA	7' Diameter, 200 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	51,690.56	3,591.96
46 61 21 00-0008	EA	8' Diameter, 250 GPM Manual Operating Pressure Filter For Pretreatment Of Raw Water	63,732.57	4,402.74

46 61 21 00-0009 Pressure Filter With 100 PSI Non-Code Steel Shell Construction *(46 61 21 00-0001)*

Note: A flat plate with sand retaining corrosion resistant diffuser equipped for air scouring, electrically operated valves for automatic operation, sand media, influent and effluent pressure gages, sampling connect and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 61 21 00-0010	EA	3' Diameter, 36 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	20,478.38	2,903.91
46 61 21 00-0011	EA	4' Diameter, 65 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	27,908.78	3,250.00
46 61 21 00-0012	EA	5' Diameter, 100 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	32,236.48	3,250.00
46 61 21 00-0013	EA	6' Diameter, 140 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	39,655.56	3,591.96
46 61 21 00-0014	EA	7' Diameter, 200 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	42,319.87	3,591.96
46 61 21 00-0015	EA	8' Diameter, 250 GPM Electric Operating Pressure Filter For Pretreatment Of Raw Water	64,500.66	4,402.74

46 61 23 Gravity Filters *(46 61)*

46 61 23 00-0001 Packaged Water Filters *(46 61 23)*

46 61 23 00-0002 Gravity Filtration Units *(46 61 23 00-0001)*

46 61 23 00-0003	EA	Gravity Filtration Units, 4', 94 GPM	61,187.55	1,654.65
46 61 23 00-0004	EA	Gravity Filtration Units, 8', 376 GPM	110,290.45	1,654.65
46 61 23 00-0005	EA	Gravity Filtration Units, 12', 847 GPM	172,349.65	3,309.29
46 61 23 00-0006	EA	Gravity Filtration Units, 18', 1,908 GPM	261,800.81	16,546.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 61 23 00-0007	EA	Gravity Filtration Units, 20', 2,356 GPM	283,592.04	16,546.47

46 80 Water Treatment Equipment *(46)*

46 82 General Water Treatment Equipment *(46 80)*

46 82 13 Aeration Water Treatment Equipment *(46 82)*

46 82 13 00-0001 **Froth Control Nozzles** *(46 82 13)*
Note: BETE series TF polypropylene body.

46 82 13 00-0002 **Wide Range Of Flows And Angles** *(46 82 13 00-0001)*
Note: BETE series TF, polypropylene body.

46 82 13 00-0003	EA	3/8" Diameter Nozzle	82.67	6.50
46 82 13 00-0004	EA	1/2" Diameter Nozzle	88.16	6.50

46 82 13 00-0005 **High Impact/Narrow Fan Spray Nozzles** *(46 82 13 00-0001)*
Note: BETE series SPN, brass body.

46 82 13 00-0006	EA	3/8" Diameter Nozzle	131.17	6.50
46 82 13 00-0007	EA	1/2" Diameter Nozzle	144.49	6.50

46 82 13 00-0008 **Maximum Free Passage Nozzles** *(46 82 13 00-0001)*
Note: BETE series MP, polypropylene body.

46 82 13 00-0009	EA	3/8" Diameter Nozzle	106.92	6.50
46 82 13 00-0010	EA	1/2" Diameter Nozzle	116.33	6.50

46 82 13 00-0011 **Drainage Stems, Diffusers, Saddles** *(46 82 13)*

46 82 13 00-0012	EA	Sanitaire MT-2 Membrane Tube Diffuser, Ethylene Propylene Diene Monomer (EPDM) Membrane With Polyvinyl Chloride (PVC) Body, 24" Diffuser	210.65	12.99
46 82 13 00-0013	EA	Sanitaire Diffuser, 304L Stainless Steel, 24" Long	196.45	12.99
46 82 13 00-0014	EA	Sanitaire Diffuser, 316L Stainless Steel, 24" Long	220.12	12.99
46 82 13 00-0015	EA	Sanitaire Diffuser, 304L Stainless Steel, 12" Long	184.38	11.69
46 82 13 00-0016	EA	Sanitaire Diffuser, 316L Stainless Steel, 12" Long	194.31	11.69
46 82 13 00-0017	EA	Open Bottom Coarse Bubble Diffuser, 304L Stainless Steel, 12" Long	161.75	11.69
46 82 13 00-0018	EA	Open Bottom Coarse Bubble Diffuser, 304L, 24" Long	187.50	12.99
46 82 13 00-0019	EA	EnviroQuip AirBand, Polyvinyl Chloride (PVC) Coarse Bubble Diffuser, 24" Long	90.56	12.99
46 82 13 00-0020	EA	Polyvinyl Chloride (PVC), EnviroQuip Variair Adjustable Diffuser	64.10	9.75
46 82 13 00-0021	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, Celcon Plastic Base, 5 CFM Max	44.92	9.75
46 82 13 00-0022	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, Celcon Plastic Base, 10 CFM Max	47.47	9.75
46 82 13 00-0023	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, SS Base, 5 CFM Max	77.05	9.75
46 82 13 00-0024	EA	EnviroQuip Snap Cap Diffuser, Ethylene Propylene Diene Monomer (EPDM) Thermoplastic Cap, SS Base, 10 CFM Max	80.24	9.75
46 82 13 00-0025	EA	EnviroQuip FlexLine Membrane Tube Diffuser, 24" Long, Ethylene Propylene Diene Monomer (EPDM)	108.65	9.75
46 82 13 00-0026	EA	EnviroQuip FlexDome Fine Bubble Diffuser, 10" Diameter	74.83	9.75
46 82 13 00-0027	EA	EnviroQuip FlexDisc Fine Bubble Diffuser, 10" Diameter	74.83	9.75
46 82 13 00-0028	EA	EnviroQuip AirSeal Diffuser, 6-1/4" Diameter	74.83	9.75
46 82 13 00-0029	EA	Fine Bubble Ceramic Dome Diffuser, 7-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) Plastic Body	133.23	12.99
46 82 13 00-0030	EA	Fine Bubble Ceramic Dome Diffuser, 7-1/2" Diameter, SS Body And Hypalon Gaskets	293.79	12.99
46 82 13 00-0031	EA	Wyss Flex-A-Tube Fine Bubble Diffuser, 2" Long	210.76	16.24
46 82 13 00-0032	EA	Wyss Flex-A-Tube Polyurethane Replacement Sheath	73.70	9.75
46 82 13 00-0033	EA	Wyss Flex-A-Tube Ethylene Propylene Diene Monomer (EPDM) Replacement Sheath	55.77	9.75
46 82 13 00-0034	EA	AquaTec Fine Bubble Diffuser, 12" Diameter	219.69	12.99
46 82 13 00-0035	EA	Wilfley Weber Dura-Disc Plus Diffuser, .5 To 7 SCFM	133.60	12.99
46 82 13 00-0036	EA	Wilfley Weber Dura-Disc Plus Diffuser, 3 To 10 SCFM	133.60	12.99
46 82 13 00-0037	EA	Clog-Free Bottom Discharge Diffuser, Acrylonitrile Butadiene Styrene (ABS) Plastic, 5" Diameter	64.18	12.99
46 82 13 00-0038	EA	Hydro-Aerobic Hydro-Ceal Coarse Bubble, 3 CFM Max	51.42	12.99
46 82 13 00-0039	EA	Hydro-Aerobic Hydro-Ceal Coarse Bubble, 12 CFM Max	55.88	12.99
46 82 13 00-0040	EA	Hydro-Chek Coarse Bubble Diffuser, Celcon, .5-3 CFM	45.39	12.99
46 82 13 00-0041	EA	Hydro-Chek Coarse Bubble Diffuser, Celcon, 3-12 CFM	50.00	12.99
46 82 13 00-0042	EA	Hydro-Chek Coarse Bubble Diffuser, Stainless Steel, 0.5-3 CFM	141.53	12.99
46 82 13 00-0043	EA	Hydro-Chek Coarse Bubble Diffuser, Stainless Steel, 3-12 CFM	181.66	12.99
46 82 13 00-0044	EA	USFilter Discfuser Diffuser	108.05	12.99
46 82 13 00-0045	EA	Flexoplate Diffuser	140.10	16.24
46 82 13 00-0046	EA	Flexoplate Ethylene Propylene Diene Monomer (EPDM) Replacement Membrane	90.21	9.75
46 82 13 00-0047	EA	Ceramic Tube Diffuser 24", 316 Stainless Steel Hardware	160.61	9.75
46 82 13 00-0048	EA	Refractron 7" Ceramic Dome Diffuser	80.98	9.75
46 82 13 00-0049	EA	2" Single Outlet Polyvinyl Chloride (PVC) Saddle	65.12	9.75
46 82 13 00-0050	EA	2" Double Outlet Polyvinyl Chloride (PVC) Saddle	71.14	9.75
46 82 13 00-0051	EA	3" Single Outlet Polyvinyl Chloride (PVC) Saddle	83.34	11.05
46 82 13 00-0052	EA	3" Double Outlet Polyvinyl Chloride (PVC) Saddle	91.42	11.05
46 82 13 00-0053	EA	4" Single Outlet Polyvinyl Chloride (PVC) Saddle	101.52	12.35
46 82 13 00-0054	EA	4" Double Outlet Polyvinyl Chloride (PVC) Saddle	111.67	12.35
46 82 13 00-0055	EA	6" Single Outlet Polyvinyl Chloride (PVC) Saddle	114.02	13.64
46 82 13 00-0056	EA	6" Double Outlet Polyvinyl Chloride (PVC) Saddle	138.34	13.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 13 00-0057		Miscellaneous Items *(46 82 13)*		
46 82 13 00-0058	EA	Plastic Air Diffuser With 3/4" Diameter NPT Threaded Base And Brass Check Valve	35.22	12.99
46 82 13 00-0059	EA	1-1/4" x 18'-4" Stainless Steel Aeration Drain Gate Stem Assembly	1,169.19	142.61
46 82 13 00-0060	EA	1-3/4" x 23' - 11.25" Stainless Steel Aeration Drain Gate Stem Assembly	1,778.66	342.28
46 82 23		**Water Treatment Clarifiers** *(46 82)*		
46 82 23 00-0001		Wastewater Clarifier/Interceptors, Model HYGI *(46 82 23)*		
46 82 23 00-0002	EA	750 Gallon Precast Reinforced Clarifier	4,186.81	827.33
46 82 23 00-0003	EA	1,000 Gallon Precast Reinforced Clarifier	4,597.28	1,034.15
46 82 23 00-0004	EA	1,250 Gallon Precast Reinforced Clarifier	5,033.97	1,240.98
46 82 23 00-0005	EA	1,500 Gallon Precast Reinforced Clarifier	6,018.17	1,654.65
46 82 23 00-0006	LF	12' High Risers, Elevating Height Of Tank, Add Per LF	190.34	
46 82 33		**Water Treatment Digesters** *(46 82)*		
46 82 33 00-0001		Digester Cleaning Services *(46 82 33)*		
46 82 33 00-0002		Digester Cleaning Services *(46 82 33 00-0001)*		
		Note: All dewatering operations shall occur on site. See CSI section 01 22 20 00-0065 for gas monitoring.		
46 82 33 00-0003		Digester Dewatering *(46 82 33 00-0002)*		
		Note: Includes moving material from the digester to the mobile dewatering system and processing the material.		
46 82 33 00-0004	CF	Digester Tank Cleaning, Minimum 10,000 CF For Each Tank	3.95	
		For >50,000, Deduct	*-0.30*	
46 82 33 00-0005		Digester Residual Transportation And Disposal *(46 82 33 00-0002)*		
		Note: Includes transporting digester residuals from mobile dewatering system to landfill including landfill fee.		
46 82 33 00-0006	TON	Transportation And Disposal Of Digester Residuals	136.29	
46 82 36		**Water Treatment Separator** *(46 82)*		
46 82 36 00-0001		Commercial Service Centrifugal Separators *(46 82 36)*		
		Note: For water well applications sealed unit, includes support stand.		
46 82 36 00-0002	EA	4" Unit, 200 - 350 GPM, Commercial Service Centrifugal Separators	5,399.36	545.73
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0003	EA	5" Unit, 320 - 540 GPM, Commercial Service Centrifugal Separators	6,792.83	606.38
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0004	EA	6" Unit, 510 - 840 GPM, Commercial Service Centrifugal Separators	6,970.21	636.69
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0005	EA	8" Unit, 820 - 1,360 GPM, Commercial Service Centrifugal Separators	8,708.43	666.89
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0006		Commercial Service Centrifugal Separators *(46 82 36)*		
		Note: For water well applications sealed unit with removable top, includes support stand.		
46 82 36 00-0007	EA	4" Unit, 200 - 350 GPM, Commercial Service Centrifugal Separators With Removable Top	7,451.95	545.73
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0008	EA	5" Unit, 320 - 540 GPM, Commercial Service Centrifugal Separators With Removable Top	8,986.77	606.38
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0009	EA	6" Unit, 510 - 840 GPM, Commercial Service Centrifugal Separators With Removable Top	9,354.65	636.69
		Note: Includes support stand.		
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 36 00-0010	EA	8" Unit, 820 - 1,360 GPM, Commercial Service Centrifugal Separators With Removable Top, Includes Support Stand	11,209.64	666.89
		For Electrically Controlled Ball Valve With Controller, Add	*930.00*	
46 82 73		**Water Treatment Tanks/Tank Liners** *(46 82)*		
46 82 73 00-0001		Sewage Treatment Tank Components *(46 82 73)*		
		Note: All metal components shall be primed and painted.		
46 82 73 00-0002		Drive Chains - 78 Series *(46 82 73 00-0001)*		
46 82 73 00-0003	LF	HB78 403 Stainless Steel Drive Chain	154.12	5.24
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-6.10*	
		For Extra Material Parts (No Labor), Add	*40.24*	
46 82 73 00-0004	LF	H78 Reinforced Nylon Drive Chain, Glass Reinforced Nylon Links With Stainless Steel Pins	123.41	5.24
		For >500 To 1,000, Deduct	*-3.10*	
		For >1,000, Deduct	*-5.50*	
		For Extra Material Parts (No Labor), Add	*28.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0005	LF	H78 Acetal Resin Drive Chain With Acetal Resin Pins	123.65	5.24
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-4.30*	
		For Extra Material Parts (No Labor), Add	*31.90*	
46 82 73 00-0006	LF	H78 Cast Metal Drive Chain	156.16	5.24
		For >500 To 1,000, Deduct	*-6.10*	
		For >1,000, Deduct	*-7.70*	
		For Extra Material Parts (No Labor), Add	*41.10*	
46 82 73 00-0007	LF	Removal And Reinstallation Of Drive Chain	27.66	
46 82 73 00-0008		**Flight Chains - 700 Series** *(46 82 73 00-0001)*		
46 82 73 00-0009	LF	720S Cast Metal Chain	170.78	6.89
		For >500 To 1,000, Deduct	*-8.44*	
		For >1,000, Deduct	*-12.94*	
		For Extra Material Parts (No Labor), Add	*156.99*	
46 82 73 00-0010	EA	6" Or 8" Cast Metal Flight Attachment	303.03	10.34
		For >500 To 1,000, Deduct	*-15.18*	
		For >1,000, Deduct	*-23.28*	
		For Extra Material Parts (No Labor), Add	*282.35*	
46 82 73 00-0011	LF	SAV715 403 Stainless Steel Flight Chain	158.63	3.44
		For >500 To 1,000, Deduct	*-8.16*	
		For >1,000, Deduct	*-12.51*	
		For Extra Material Parts (No Labor), Add	*151.74*	
46 82 73 00-0012	EA	6" Or 8" Stainless Steel Flight Attachment	163.50	10.34
		For >500 To 1,000, Deduct	*-7.68*	
		For >1,000, Deduct	*-11.78*	
		For Extra Material Parts (No Labor), Add	*142.82*	
46 82 73 00-0013	LF	NM720-CS Polyester Flight Chain, 6" Pitch, Glass Fiber Reinforced Polyester Links	70.33	10.34
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-5.23*	
		For Extra Material Parts (No Labor), Add	*63.44*	
46 82 73 00-0014	EA	6" Or 8" Polyester Flight Attachment	57.74	10.34
		For >500 To 1,000, Deduct	*-1.99*	
		For >1,000, Deduct	*-3.06*	
		For Extra Material Parts (No Labor), Add	*37.06*	
46 82 73 00-0015	LF	HS730 Polyester Flight Chain, 6" Pitch, Glass Fiber Reinforced Polyester Links	120.00	3.44
		For >500 To 1,000, Deduct	*-6.08*	
		For >1,000, Deduct	*-9.33*	
		For Extra Material Parts (No Labor), Add	*113.11*	
46 82 73 00-0016	EA	8" Polyester Flight Attachment	145.20	10.34
		For >500 To 1,000, Deduct	*-6.69*	
		For >1,000, Deduct	*-10.27*	
		For Extra Material Parts (No Labor), Add	*124.52*	
46 82 73 00-0017	LF	NCS 720S Acetal Resin Flight Chain	69.21	3.44
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-5.14*	
		For Extra Material Parts (No Labor), Add	*62.32*	
46 82 73 00-0018	EA	6" Or 8" Acetal Resin Flight Attachment	57.55	10.34
		For >500 To 1,000, Deduct	*-1.98*	
		For >1,000, Deduct	*-3.04*	
		For Extra Material Parts (No Labor), Add	*36.87*	
46 82 73 00-0019	LF	Removal And Reinstallation Of Flight Chain	54.72	
46 82 73 00-0020		**Chain Tensioner** *(46 82 73 00-0001)*		
46 82 73 00-0021	EA	Stainless Steel Snap Idler With 316 Stainless Steel Straps; Snap Idle #180SS	1,282.09	34.47
		For >25 To 50, Deduct	*-89.89*	
		For >50, Deduct	*-146.06*	
		For Extra Material Parts (No Labor), Add	*1,213.14*	
46 82 73 00-0022	EA	Removal And Reinstallation Of Chain Tensioner	103.41	
46 82 73 00-0023		**Torque Limiter** *(46 82 73 00-0001)*		
46 82 73 00-0024	EA	Torque Limiter (Brunel JSE1-0228)	13,979.97	29.92
		For >5 To 10, Deduct	*-257.52*	
		For >10, Deduct	*-501.13*	
		For Extra Material Parts (No Labor), Add	*13,920.15*	
46 82 73 00-0025	EA	Torque Limiter (Brunel JSE1-0230)	16,984.32	33.50
		For >5 To 10, Deduct	*-312.97*	
		For >10, Deduct	*-609.02*	
		For Extra Material Parts (No Labor), Add	*16,917.31*	
46 82 73 00-0026	EA	Torque Limiter (Brunel JSE1-0401)	10,731.96	37.69
		For >5 To 10, Deduct	*-354.86*	
		For >10, Deduct	*-592.51*	
		For Extra Material Parts (No Labor), Add	*10,656.58*	
46 82 73 00-0027	EA	Torque Limiter (Brunel JSE1-0402)	12,696.85	44.86
		For >5 To 10, Deduct	*-419.82*	
		For >10, Deduct	*-700.96*	
		For Extra Material Parts (No Labor), Add	*12,607.11*	
46 82 73 00-0028	EA	Spare Externally Adjustable Safety Elements For All Sizes	3,829.71	
46 82 73 00-0029	EA	Removal And Reinstallation Of Torque Limiter	199.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0030		**Drive Sprockets Rims** *(46 82 73 00-0001)*		
		Note: Sprocket and rim includes stainless steel hardware.		
46 82 73 00-0031	EA	11 Tooth, Split Or Solid, UHMW Drive Sprocket Rims	454.68	29.92
		For >50 To 100, Deduct	*-13.94*	
		For >100, Deduct	*-24.36*	
		For Extra Material Parts (No Labor), Add	*394.86*	
46 82 73 00-0032	EA	12 Tooth, Split Or Solid, UHMW Drive Sprocket Rims	485.61	29.92
		For >50 To 100, Deduct	*-15.03*	
		For >100, Deduct	*-26.27*	
		For Extra Material Parts (No Labor), Add	*425.79*	
46 82 73 00-0033	EA	13 Tooth, Split Or Solid, UHMW Drive Sprocket Rims	502.26	29.92
		For >50 To 100, Deduct	*-15.62*	
		For >100, Deduct	*-27.30*	
		For Extra Material Parts (No Labor), Add	*442.44*	
46 82 73 00-0034	EA	Polyurethane Segmental Rim Replacement Plate Sprocket Ring Only	1,030.33	29.92
		For >50 To 100, Deduct	*-34.26*	
		For >100, Deduct	*-59.88*	
		For Extra Material Parts (No Labor), Add	*970.51*	
46 82 73 00-0035	EA	UHMW-PE Segmental Rim Replacement Plate Sprocket Ring Only	837.65	29.92
		For >50 To 100, Deduct	*-63.32*	
		For >100, Deduct	*-94.20*	
		For Extra Material Parts (No Labor), Add	*777.83*	
46 82 73 00-0036	EA	Solid Polyurethane Drive Sprocket With Shear Pin Device	4,948.55	29.92
		For >50 To 100, Deduct	*-397.94*	
		For >100, Deduct	*-592.03*	
		For Extra Material Parts (No Labor), Add	*4,888.73*	
46 82 73 00-0037	EA	Solid Polyurethane Drive Sprocket With Shear Pin Device And Alarm Device	5,811.52	29.92
		For >50 To 100, Deduct	*-468.19*	
		For >100, Deduct	*-696.53*	
		For Extra Material Parts (No Labor), Add	*5,751.70*	
46 82 73 00-0038	EA	Cast Nylon NH78, 11 Tooth, Sprocket Segments	670.38	29.92
		For Extra Material Parts (No Labor), Add	*610.56*	
46 82 73 00-0039	EA	Cast Nylon NH78, 12 Tooth, Sprocket Segments	684.78	29.92
		For Extra Material Parts (No Labor), Add	*624.96*	
46 82 73 00-0040	EA	Cast Nylon NH78, 10 Tooth Drive Sprocket Assembly (Hub, Sprocket, Shear Pin)	2,262.64	29.92
		For Extra Material Parts (No Labor), Add	*2,202.82*	
46 82 73 00-0041	EA	Removal And Reinstallation Of Drive Sprocket	89.74	
46 82 73 00-0042		**Driven Sprockets** *(46 82 73 00-0001)*		
46 82 73 00-0043	EA	Cast Iron Driven Sprocket Body For 40 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Excludes Segmental Rims)	3,390.61	44.86
		For Extra Material Parts (No Labor), Add	*3,300.87*	
46 82 73 00-0044	EA	Cast Iron Driven Sprocket Body For 43 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Excludes Segmental Rims)	3,558.36	44.86
		For Extra Material Parts (No Labor), Add	*3,468.62*	
46 82 73 00-0045	EA	Cast Iron Driven Sprocket Body For 48 Tooth HB 78 Drive Chain (Cast Iron Driven Sprocket Bodies To Be Primed And Painted. Excludes Segmental Rims)	3,798.06	44.86
		For Extra Material Parts (No Labor), Add	*3,708.32*	
46 82 73 00-0046	EA	Split Polyester Driven Sprocket Including Polyester Segmental Teeth	7,405.89	29.92
		For Extra Material Parts (No Labor), Add	*7,346.07*	
46 82 73 00-0047	EA	Polyurethane Segmental Rims For Use With Driven Sprocket Bodies	1,413.47	29.92
		For Extra Material Parts (No Labor), Add	*1,353.65*	
46 82 73 00-0048	EA	UHMW-PE Segmental Rim For Use With Driven Sprocket Bodies	1,413.47	29.92
		For Extra Material Parts (No Labor), Add	*1,353.65*	
46 82 73 00-0049	EA	UHMW-PE HB 78 40 Tooth Segmental Rim For Use With Driven Sprocket Bodies	1,149.79	29.92
		For Extra Material Parts (No Labor), Add	*1,089.97*	
46 82 73 00-0050	EA	UHMW-PE HB 78 43 Tooth Segmental Rim For Use With Driven Sprocket Bodies	1,327.19	29.92
		For Extra Material Parts (No Labor), Add	*1,267.37*	
46 82 73 00-0051	EA	UHMW-PE HB 78 48 Tooth Segmental Rim For Use With Driven Sprocket Bodies	1,365.51	29.92
		For Extra Material Parts (No Labor), Add	*1,305.69*	
46 82 73 00-0052	EA	Cast Nylon NH78 43 Tooth Sprocket Segmental Rims For Use With Drive Sprocket Bodies	2,180.53	29.92
		For Extra Material Parts (No Labor), Add	*2,120.71*	
46 82 73 00-0053	EA	Cast Nylon NH78 48 Tooth Sprocket Segmental Rims For Use With Drive Sprocket Bodies	2,300.37	29.92
		For Extra Material Parts (No Labor), Add	*2,240.55*	
46 82 73 00-0054	EA	Cast Nylon Driven Sprocket, NH78, 40 Tooth, With Keyway	3,697.71	29.92
		For Extra Material Parts (No Labor), Add	*3,637.89*	
46 82 73 00-0055	EA	Removal And Reinstallation Of Driven Sprocket Segmental Rims	89.74	
46 82 73 00-0056	EA	Removal And Reinstallation Of Driven Sprocket Body	89.74	
46 82 73 00-0057	EA	Scrape And Wire Brush Cast Iron Driven Sprocket Body	59.82	
46 82 73 00-0058	EA	Prime And Paint Existing Sprocket Drive Body	48.73	
46 82 73 00-0059		**Idler And Head Sprockets - Hubs** *(46 82 73 00-0001)*		
46 82 73 00-0060	EA	Cast Iron Split Body Sprocket Hubs With 3/4" Web For NCS 720 Or SAV 715 Segments, Plain Bore (Cast Iron Idler Sprocket Hubs - Primed And Painted)	1,759.57	59.82
		For 2 Set Screws Only, Add	*29.25*	
		For Keyway And Set Screws, Add	*38.50*	
		For Extra Material Parts (No Labor), Add	*1,639.92*	
46 82 73 00-0061	EA	Cast Iron Split Body Sprocket Hubs With Heavy 1" Web For NCS 720 Or SAV 715 Segments, Plain Bore (Cast Iron Idler Sprocket Hubs - Primed And Painted)	2,110.62	59.82
		For Keyway And Set Screws, Add	*38.50*	
		For Extra Material Parts (No Labor), Add	*1,990.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0062	EA	Cast Iron Split Body Sprocket Hubs For NCS 720, With Plain Bore Or Keyway (Cast Iron Idler Sprocket Hubs - Primed And Painted)	7,360.91	59.82
		For >50 To 100, Deduct	*-719.78*	
		For >100, Deduct	*-1,549.63*	
		For Extra Material Parts (No Labor), Add	*7,241.26*	
46 82 73 00-0063	EA	Fabricated Steel Split Body Sprocket Hubs For NCS 720, With Plain Bore Or Keyway	6,372.18	59.82
		For >50 To 100, Deduct	*-358.27*	
		For >100, Deduct	*-1,338.04*	
		For Extra Material Parts (No Labor), Add	*6,252.53*	
46 82 73 00-0064		**Idler And Head Sprockets - Segmental Rims** *(46 82 73 00-0001)*		
		Note: UHMW segmental rims for use with split body hubs.		
46 82 73 00-0065	EA	UHMW-PE 23 Tooth Segmental Rim With Chainsaver Flange, 22.21" Pitch (For Use With Split Body Hubs)	1,183.85	29.92
		For Extra Material Parts (No Labor), Add	*1,124.03*	
46 82 73 00-0066	EA	UHMW-PE 23 Tooth Segmental Rim With Standard Rim, 22.21" Pitch (For Use With Split Body Hubs)	1,010.85	29.92
		For Extra Material Parts (No Labor), Add	*951.03*	
46 82 73 00-0067	EA	UHMW-PE 23 Tooth Segmental Rim With Standard Rim (For Use With Split Body Hubs)	1,109.66	29.92
		For >50 To 100, Deduct	*-30.00*	
		For >100, Deduct	*-60.00*	
		For Extra Material Parts (No Labor), Add	*1,049.84*	
46 82 73 00-0068	EA	Polyurethane 23 Tooth Segmental Rims With Standard Rim (For Use With Split Body Hubs)	1,307.45	29.92
		For >50 To 100, Deduct	*-30.00*	
		For >100, Deduct	*-60.00*	
		For Extra Material Parts (No Labor), Add	*1,247.63*	
46 82 73 00-0069	EA	Cast Nylon 19 Tooth Segmental Rims With Chainsaver Rims (For Use With Split Body Hubs)	1,282.71	29.92
		For Extra Material Parts (No Labor), Add	*1,222.89*	
46 82 73 00-0070	EA	Cast Nylon 23 Tooth Segmental Rims With Chainsaver Rims (For Use With Split Body Hubs)	1,332.16	29.92
		For Extra Material Parts (No Labor), Add	*1,272.34*	
46 82 73 00-0071		**Idler And Head Sprockets - Split Sprockets** *(46 82 73 00-0001)*		
46 82 73 00-0072	EA	UHM-PE 23 Tooth Split Sprocket With Standard Rim, 21.22" Pitch, Plain Bore	1,185.14	29.92
		For Set Screws Only, Add	*11.00*	
		For Keyway And Set Screws, Add	*25.00*	
		For Extra Material Parts (No Labor), Add	*1,125.32*	
46 82 73 00-0073	EA	UHM-PE 17 Tooth Split Sprocket With Standard Rim, 21.22" Pitch, Plain Bore	1,169.01	29.92
		For Set Screws Only, Add	*11.00*	
		For Keyway And Set Screws, Add	*25.00*	
		For Extra Material Parts (No Labor), Add	*1,109.19*	
46 82 73 00-0074	EA	UHM-PE 23 Tooth Split Sprocket For NCS 720	2,296.20	29.92
		For Keyway, Add	*25.00*	
		For >50 To 100, Deduct	*-48.00*	
		For >100, Deduct	*-90.00*	
		For Extra Material Parts (No Labor), Add	*2,236.38*	
46 82 73 00-0075	EA	Polyurethane 23 Tooth Split Sprocket For NCS 720	3,309.67	29.92
		For Keyway, Add	*25.00*	
		For >50 To 100, Deduct	*-60.00*	
		For >100, Deduct	*-120.00*	
		For Extra Material Parts (No Labor), Add	*3,249.85*	
46 82 73 00-0076	EA	Polyurethane 23 Tooth Split Sprocket For HS 720	2,988.33	29.92
		For Keyway, Add	*25.00*	
		For >50 To 100, Deduct	*-72.00*	
		For >100, Deduct	*-132.00*	
		For Extra Material Parts (No Labor), Add	*2,928.51*	
46 82 73 00-0077	EA	Cast Nylon 23 Tooth Split Sprocket With Chainsaver Rim	1,539.80	29.92
		For Set Screws Only, Add	*17.00*	
		For Keyway And Set Screws, Add	*27.00*	
		For Extra Material Parts (No Labor), Add	*1,479.98*	
46 82 73 00-0078	EA	Cast Nylon 17 Tooth, Solid Sprocket	1,455.76	29.92
		For Extra Material Parts (No Labor), Add	*1,395.94*	
46 82 73 00-0079	EA	Removal And Reinstallation Of Idler Or Head Sprocket Segmental Rims	119.65	
46 82 73 00-0080	EA	Removal And Reinstallation Of Idler Or Head Sprocket Hubs	59.82	
46 82 73 00-0081	EA	Removal And Reinstallation Of Idler Or Head Split Sprocket	59.82	
46 82 73 00-0082	EA	Scrape And Wire Brush Idler Or Head Sprocket Hub	59.82	
46 82 73 00-0083	EA	Prime And Paint Existing Idler Or Head Sprocket Hub	48.73	
46 82 73 00-0084		**Sleeve Bearings** *(46 82 73 00-0001)*		
46 82 73 00-0085	EA	UHMW Sleeve Bearing With SS Clamps	512.96	14.96
		For >50 To 100, Deduct	*-33.47*	
		For >100, Deduct	*-66.95*	
		For Extra Material Parts (No Labor), Add	*483.04*	
46 82 73 00-0086	EA	UHMW 3 15/16" Sleeve Bearings For Use With Cast Nylon Set Collars	643.05	14.96
		For >50 To 100, Deduct	*-42.49*	
		For >100, Deduct	*-84.98*	
		For Extra Material Parts (No Labor), Add	*613.13*	
46 82 73 00-0087	EA	UHMW 4 7/16" Sleeve Bearings For Use With Cast Nylon Set Collars	704.04	14.96
		For >50 To 100, Deduct	*-46.72*	
		For >100, Deduct	*-93.43*	
		For Extra Material Parts (No Labor), Add	*674.12*	
46 82 73 00-0088	EA	UHMW Sleeve Bearing Assembly, 3 15/16" Shaft, Includes 2 Set Collars And Sleeve Bearing	1,054.45	44.86
		For >50 To 100, Deduct	*-66.85*	
		For >100, Deduct	*-133.71*	
		For Extra Material Parts (No Labor), Add	*964.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0089	EA	UHMW Sleeve Bearing Assembly, 4 7/16" Shaft, Includes 2 Set Collars And Sleeve Bearing	1,077.90	44.86
		For >50 To 100, Deduct	*-68.48*	
		For >100, Deduct	*-136.96*	
		For Extra Material Parts (No Labor), Add	*988.16*	
46 82 73 00-0090	EA	UHMW PE Static Shaft Only Sleeve Bearing For 7" LTB Sprockets (All Bores)	447.76	14.96
		For >50 To 100, Deduct	*-28.96*	
		For >100, Deduct	*-57.91*	
		For Extra Material Parts (No Labor), Add	*417.84*	
46 82 73 00-0091	EA	UHMW PE Static Shaft Only Sleeve Bearing For 3" LTB Sprockets (All Bores)	317.43	14.96
		For >50 To 100, Deduct	*-19.92*	
		For >100, Deduct	*-39.85*	
		For Extra Material Parts (No Labor), Add	*287.51*	
46 82 73 00-0092	EA	Cast Iron Static Shaft Support Bracket	860.49	14.96
		For >50 To 100, Deduct	*-57.56*	
		For >100, Deduct	*-115.12*	
		For Extra Material Parts (No Labor), Add	*830.57*	
46 82 73 00-0093	EA	Polyurethane Static Shaft Only Sleeve Bearing For 7" LTB Sprockets (All Bores)	1,186.32	14.96
		For >50 To 100, Deduct	*-125.12*	
		For >100, Deduct	*-250.24*	
		For Extra Material Parts (No Labor), Add	*1,156.40*	
46 82 73 00-0094	EA	Removal And Reinstallation Of Sleeve Bearing	47.86	

46 82 73 00-0095 Collector Flights *(46 82 73 00-0001)*

Note: Includes 316 stainless steel hardware.

46 82 73 00-0096	LF	6" Nominal C Channel Fiberglass Flights	37.71	1.56
		For >1,000 To 10,000, Deduct	*-1.92*	
		For >10,000, Deduct	*-3.86*	
		For Extra Material Parts (No Labor), Add	*34.71*	
46 82 73 00-0097	LF	8" Nominal C Channel Fiberglass Flights	42.96	1.56
		For >1,000 To 10,000, Deduct	*-2.21*	
		For >10,000, Deduct	*-4.44*	
		For Extra Material Parts (No Labor), Add	*39.96*	
46 82 73 00-0098	LF	6" Actual C Channel Fiberglass Flights	45.58	1.56
		For >1,000 To 10,000, Deduct	*-2.36*	
		For >10,000, Deduct	*-4.73*	
		For Extra Material Parts (No Labor), Add	*42.58*	
46 82 73 00-0099	LF	8" Actual C Channel Fiberglass Flights	50.81	1.56
		For >1,000 To 10,000, Deduct	*-2.65*	
		For >10,000, Deduct	*-5.31*	
		For Extra Material Parts (No Labor), Add	*47.81*	
46 82 73 00-0100	LF	6" Nominal Sigma Fiberglass Flights	52.12	1.56
		For >1,000 To 10,000, Deduct	*-2.72*	
		For >10,000, Deduct	*-5.46*	
		For Extra Material Parts (No Labor), Add	*49.12*	
46 82 73 00-0101	LF	8" Nominal Sigma Fiberglass Flights	53.45	1.56
		For >1,000 To 10,000, Deduct	*-2.79*	
		For >10,000, Deduct	*-5.60*	
		For Extra Material Parts (No Labor), Add	*50.45*	
46 82 73 00-0102	LF	8" Nominal Sigma Plus Fiberglass Flights	50.81	1.56
		For >1,000 To 10,000, Deduct	*-2.65*	
		For >10,000, Deduct	*-5.31*	
		For Extra Material Parts (No Labor), Add	*47.81*	
46 82 73 00-0103	LF	8" Nominal High Strength Diamond Fiberglass Flights	58.69	1.56
		For >1,000 To 10,000, Deduct	*-3.09*	
		For >10,000, Deduct	*-6.19*	
		For Extra Material Parts (No Labor), Add	*55.69*	
46 82 73 00-0104	LF	6" Nominal Laminated Douglas Fir Flights	67.78	2.27
		For >1,000 To 10,000, Deduct	*-8.38*	
		For >10,000, Deduct	*-12.21*	
		For Extra Material Parts (No Labor), Add	*63.27*	
46 82 73 00-0105	LF	7-1/2" Nominal Laminated Douglas Fir Flights	86.34	2.27
		For >1,000 To 10,000, Deduct	*-10.84*	
		For >10,000, Deduct	*-15.79*	
		For Extra Material Parts (No Labor), Add	*81.83*	
46 82 73 00-0106	LF	3" x 6" Actual Laminated Douglas Fir Flights	93.52	2.27
		For >1,000 To 10,000, Deduct	*-11.79*	
		For >10,000, Deduct	*-17.18*	
		For Extra Material Parts (No Labor), Add	*89.01*	
46 82 73 00-0107	LF	3" x 8" Actual Laminated Douglas Fir Flights	109.65	2.27
		For >1,000 To 10,000, Deduct	*-13.93*	
		For >10,000, Deduct	*-20.29*	
		For Extra Material Parts (No Labor), Add	*105.14*	
46 82 73 00-0108	EA	Removal And Reinstallation Of Fiberglass Or Wood Flights (Remove And Store), Per Flight Note: Including Filler Blocks	59.92	
46 82 73 00-0109	EA	New 316 Stainless Steel Hardware Set For Reinstallation Of One Existing Flight	30.75	
46 82 73 00-0110	LF	Scrape And Wire Brush Existing Flights	4.79	

46 82 73 00-0111 Squeegee *(46 82 73 00-0001)*

46 82 73 00-0112	LF	1/2" x 4" UHMW Flight Squeegee	31.16	1.56
		For Extra Material Parts (No Labor), Add	*28.16*	
46 82 73 00-0113	LF	Buna N Squeegee	29.93	1.56
		For Extra Material Parts (No Labor), Add	*26.93*	
46 82 73 00-0114	EA	Removal And Reinstallation Of Squeegee, Per Flight (Remove And Store)	59.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0115	EA	New 316 Stainless Steel Hardware Set For Reinstallation Of One Existing Squeegee	27.67	
46 82 73 00-0116	LF	Scrape And Wire Brush Existing Squeegee	4.79	
46 82 73 00-0117		**Filler Blocks** *(46 82 73 00-0001)*		
46 82 73 00-0118	EA	6" Polyurethane Filler Block	22.73	1.56
		For Extra Material Parts (No Labor), Add	*19.74*	
46 82 73 00-0119	EA	8" Polyurethane Filler Block	22.73	1.56
		For Extra Material Parts (No Labor), Add	*19.74*	
46 82 73 00-0120	EA	6" Polypropylene Filler Block	31.34	1.56
		For Extra Material Parts (No Labor), Add	*28.35*	
46 82 73 00-0121	EA	8" Polypropylene Filler Block	31.34	1.56
		For Extra Material Parts (No Labor), Add	*28.35*	
46 82 73 00-0122		**Return Rails** *(46 82 73 00-0001)*		
46 82 73 00-0123	LF	3" x 3" x 3/8" Fiberglass Reinforced Polyester (FRP) Return Rail	70.06	2.99
		For Extra Material Parts (No Labor), Add	*64.08*	
46 82 73 00-0124	LF	3" x 3" x 3/8" Steel Return Rail	71.63	2.99
		For Extra Material Parts (No Labor), Add	*65.65*	
46 82 73 00-0125	LF	3" x 3" x 3/8" Stainless Steel Return Rail	130.15	2.99
		For >1,000 To 10,000, Deduct	*-6.02*	
		For >10,000, Deduct	*-12.09*	
		For Extra Material Parts (No Labor), Add	*124.17*	
46 82 73 00-0126	LF	Non-Metallic "J" Track	79.26	1.56
		For >1,000 To 10,000, Deduct	*-3.70*	
		For >10,000, Deduct	*-7.43*	
		For Extra Material Parts (No Labor), Add	*76.26*	
46 82 73 00-0127	LF	Scrape And Wire Brush Existing Return Rails	4.79	
46 82 73 00-0128		**Return Rails Brackets** *(46 82 73 00-0001)*		
46 82 73 00-0129	EA	Cast Nylon Wall Mounted Bracket For Return Rails	408.25	14.96
		For Extra Material Parts (No Labor), Add	*378.33*	
46 82 73 00-0130	EA	Cast Nylon Intermediate Bracket For Return Rails (T-Up)	564.30	14.96
		For Extra Material Parts (No Labor), Add	*534.38*	
46 82 73 00-0131	EA	Non-Metallic Wall Mounted Bracket For Return Rails	189.91	14.96
		For Extra Material Parts (No Labor), Add	*159.94*	
46 82 73 00-0132	EA	Scrape And Wire Brush Existing Return Rail Bracket	59.93	
46 82 73 00-0133	EA	Prime And Paint Existing Return Rail Bracket	48.74	
46 82 73 00-0134		**Wear Shoes** *(46 82 73 00-0001)*		
		Note: Floor and return. With or without lugs. Includes stainless steel hardware.		
46 82 73 00-0135	EA	3" x 3" x 4" x 1/2" Polyurethane Wear Shoes	94.45	8.97
		For Extra Material Parts (No Labor), Add	*76.50*	
46 82 73 00-0136	EA	3" x 3" x 5-1/2" x 1/2" Polyurethane Wear Shoes	94.45	8.97
		For Extra Material Parts (No Labor), Add	*76.50*	
46 82 73 00-0137	EA	3" x 3" x 4" x 1/2" Nylon Wear Shoes	87.24	8.97
		For Extra Material Parts (No Labor), Add	*69.29*	
46 82 73 00-0138	EA	3" x 3" x 5-1/2" x 1/2" Nylon Wear Shoes	88.24	8.97
		For Extra Material Parts (No Labor), Add	*70.29*	
46 82 73 00-0139	EA	3" x 3" x 7" x 1/2" Nylon Wear Shoes	92.05	8.97
		For Extra Material Parts (No Labor), Add	*74.10*	
46 82 73 00-0140	EA	3" x 3" x 4" x 1/2" UHMW Wear Shoes	93.71	8.97
		For Extra Material Parts (No Labor), Add	*75.76*	
46 82 73 00-0141	EA	3" x 3" x 5-1/2" x 1/2" UHMW Wear Shoes	94.92	8.97
		For Extra Material Parts (No Labor), Add	*76.97*	
46 82 73 00-0142	EA	3" x 3" x 4" x 1/2" Steel Wear Shoes	102.85	8.97
		For Extra Material Parts (No Labor), Add	*84.90*	
46 82 73 00-0143	EA	3" x 3" x 5-1/2" x 1/2" Steel Wear Shoes	107.65	8.97
		For Extra Material Parts (No Labor), Add	*89.70*	
46 82 73 00-0144	EA	3" x 3" x 6" x 1/2" Steel Wear Shoes	110.05	8.97
		For Extra Material Parts (No Labor), Add	*92.10*	
46 82 73 00-0145	EA	3" x 3" x 7" x 1/2" Steel Wear Shoes	111.22	8.97
		For Extra Material Parts (No Labor), Add	*93.27*	
46 82 73 00-0146	EA	Removal And Reinstallation Of Wear Shoe	27.52	
46 82 73 00-0147		**Wear Strips** *(46 82 73 00-0001)*		
		Note: Add 1/4" stainless steel 316 self tapping screws and washers at 2.5' on-center		
46 82 73 00-0148	LF	2-5/8" x 3/8" UHMW Wear Strip	47.44	2.99
		For >1,000 To 5,000, Deduct	*-1.80*	
		For >5,000 LF, Deduct	*-3.51*	
		For Extra Material Parts (No Labor), Add	*41.46*	
46 82 73 00-0149	LF	3" x 3/8" UHMW Wear Strip	57.81	2.99
		For >1,000 To 5,000, Deduct	*-2.25*	
		For >5,000 LF, Deduct	*-4.39*	
		For Extra Material Parts (No Labor), Add	*51.83*	
46 82 73 00-0150	LF	4-1/4" x 3/8" C-Shape UHMW Wear Strip For Floor Or Return Track	81.85	1.79
		For >1,000 To 5,000, Deduct	*-3.40*	
		For >5,000 LF, Deduct	*-6.63*	
		For Extra Material Parts (No Labor), Add	*78.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0151	LF	3" x 1/2" Steel Wear Strip	89.23	2.99
		For >1,000 To 5,000, Deduct	*-3.61*	
		For >5,000 LF, Deduct	*-7.05*	
		For Extra Material Parts (No Labor), Add	*83.25*	
46 82 73 00-0152	LF	4" x 1/2" Steel Wear Strip	95.54	2.99
		For >1,000 To 5,000, Deduct	*-3.89*	
		For >5,000 LF, Deduct	*-7.59*	
		For Extra Material Parts (No Labor), Add	*89.56*	
46 82 73 00-0153	LF	5" x 1/2" Steel Wear Strip	101.82	2.99
		For >1,000 To 5,000, Deduct	*-4.16*	
		For >5,000 LF, Deduct	*-8.12*	
		For Extra Material Parts (No Labor), Add	*95.84*	
46 82 73 00-0154	LF	6" x 1/2" Steel Wear Strip	120.70	2.99
		For >1,000 To 5,000, Deduct	*-4.98*	
		For >5,000 LF, Deduct	*-9.72*	
		For Extra Material Parts (No Labor), Add	*114.72*	
46 82 73 00-0155	LF	3" x 5/8" Steel Wear Strip	90.83	2.99
		For >1,000 To 5,000, Deduct	*-3.68*	
		For >5,000 LF, Deduct	*-7.19*	
		For Extra Material Parts (No Labor), Add	*84.85*	
46 82 73 00-0156	LF	4" x 5/8" Steel Wear Strip	97.13	2.99
		For >1,000 To 5,000, Deduct	*-3.96*	
		For >5,000 LF, Deduct	*-7.72*	
		For Extra Material Parts (No Labor), Add	*91.15*	
46 82 73 00-0157	LF	5" x 5/8" Steel Wear Strip	103.44	2.99
		For >1,000 To 5,000, Deduct	*-4.23*	
		For >5,000 LF, Deduct	*-8.25*	
		For Extra Material Parts (No Labor), Add	*97.46*	
46 82 73 00-0158	LF	6" x 5/8" Steel Wear Strip	114.42	2.99
		For >1,000 To 5,000, Deduct	*-4.71*	
		For >5,000 LF, Deduct	*-9.18*	
		For Extra Material Parts (No Labor), Add	*108.44*	
46 82 73 00-0159	LF	Scrape And Brush Existing Wear Strips	4.78	2.40

46 82 73 00-0160 Set Collars *(46 82 73 00-0001)*

46 82 73 00-0161	EA	3-15/16" Split Cast Iron Set Collar, Stainless Steel Hardware, 2 Cone Point Set Screws	386.49	14.96
		For Extra Material Parts (No Labor), Add	*356.57*	
46 82 73 00-0162	EA	4-7/16" Split Cast Iron Set Collar, Stainless Steel Hardware, 2 Cone Point Set Screws	418.93	14.96
		For Extra Material Parts (No Labor), Add	*389.01*	
46 82 73 00-0163	EA	Cast Nylon Set Collar With Hardware, All Bore Sizes	233.25	14.96
		For Extra Material Parts (No Labor), Add	*203.33*	
46 82 73 00-0164	EA	Removal And Reinstallation Of Set Collar	41.87	
46 82 73 00-0165	EA	Scrape And Wire Brush Existing Set Collar	59.82	
46 82 73 00-0166	EA	Prime And Paint Existing Set Collar	48.73	

46 82 73 00-0167 Idler Stub Shafts *(46 82 73 00-0001)*

46 82 73 00-0168	EA	Cast Nylon Idler Stub Shaft Assembly, Mounts To Wall With 3 Or 4 Stainless Steel Anchors Note: Excludes sprocket.	2,748.16	59.82
		For Extra Material Parts (No Labor), Add	*2,628.51*	
46 82 73 00-0169	EA	Cast Nylon Idler Stub Shaft Assembly Note: Excludes sprocket.	1,922.80	59.82
		For >50 To 100, Deduct	*-96.29*	
		For >100, Deduct	*-192.58*	
		For Extra Material Parts (No Labor), Add	*1,803.15*	
46 82 73 00-0170	EA	Fabricated Steel Stub Shaft Assembly Note: Excludes sprocket.	2,812.67	59.82
		For >50 To 100, Deduct	*-143.81*	
		For >100, Deduct	*-287.61*	
		For Extra Material Parts (No Labor), Add	*2,693.02*	
46 82 73 00-0171	EA	Non-Metallic Stub Shaft Assembly Note: Excludes sprocket.	2,812.67	59.82
		For >50 To 100, Deduct	*-143.81*	
		For >100, Deduct	*-287.61*	
		For Extra Material Parts (No Labor), Add	*2,693.02*	
46 82 73 00-0172	EA	Scrape And Wire Brush Stub Shaft Assembly	119.65	

46 82 73 00-0173 Shafts *(46 82 73 00-0001)*

46 82 73 00-0174	LF	4-7/16" Steel Shafts, Plain	246.68	5.98
		For Extra Material Parts (No Labor), Add	*234.71*	
46 82 73 00-0175	LF	4-7/16" Steel Shafts, Keyway, Set Screws	200.01	5.98
		For Extra Material Parts (No Labor), Add	*188.04*	
46 82 73 00-0176	EA	Removal And Reinstallation Of Static Shaft	119.65	
46 82 73 00-0177	EA	Removal And Reinstallation Of Dynamic Shaft	119.65	
46 82 73 00-0178	LF	Scrape And Wire Brush Existing Shaft	17.95	
46 82 73 00-0179	LF	Prime And Paint existing Shaft	11.08	

46 82 73 00-0180 Wall Bearings *(46 82 73 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 73 00-0181	EA	3 7/16" Cast Iron Wall Bearings With Solid Bearing Insert, Babbitted Liner And SS Hardware	2,965.99	119.65
		For >100, Deduct	*-120.79*	
		For Polyurethane Liner, Add	*867.09*	
		For Polyurethane Liner, Quantities >100, Add	*620.32*	
		For Extra Material Parts (No Labor), Add	*2,726.70*	
46 82 73 00-0182	EA	4 15/16" Cast Iron Wall Bearings With Solid Bearing Insert, Babbitted Liner And SS Hardware	3,977.23	119.65
		For >100, Deduct	*-165.59*	
		For Polyurethane Liner, Add	*1,760.57*	
		For Polyurethane Liner, Quantities >100, Add	*1,098.95*	
		For Extra Material Parts (No Labor), Add	*3,737.94*	
46 82 73 00-0183	EA	3 7/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	4,600.93	59.82
		For >100, Deduct	*-198.52*	
		For Polyurethane Liner, Add	*748.37*	
		For Polyurethane Liner, Quantities >100, Add	*371.95*	
		For Extra Material Parts (No Labor), Add	*4,481.28*	
46 82 73 00-0184	EA	4 15/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	8,308.75	59.82
		For >100, Deduct	*-362.78*	
		For Polyurethane Liner, Add	*1,424.90*	
		For Polyurethane Liner, Quantities >100, Add	*712.45*	
		For Extra Material Parts (No Labor), Add	*8,189.10*	
46 82 73 00-0185	EA	3 7/16" Cast Iron Wall Bearings With Two-piece Bearing Insert, Babbitted Liner And SS Hardware	4,204.79	89.74
		For >100, Deduct	*-178.32*	
		For Polyurethane Liner, Add	*1,207.60*	
		For Polyurethane Liner, Quantities >100, Add	*603.80*	
		For Extra Material Parts (No Labor), Add	*4,025.33*	
46 82 73 00-0186	EA	4 15/16" Cast Iron Wall Bearings With Two-piece Bearing Insert, Babbitted Liner And SS Hardware	4,373.35	89.74
		For >100, Deduct	*-185.79*	
		For Polyurethane Liner, Add	*998.15*	
		For Polyurethane Liner, Quantities >100, Add	*398.42*	
		For Extra Material Parts (No Labor), Add	*4,193.89*	
46 82 73 00-0187	EA	3 15/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	1,787.87	59.82
		For UHMW-PE Liners, Add	*542.17*	
		For Extra Material Parts (No Labor), Add	*1,668.23*	
46 82 73 00-0188	EA	4 7/16" Cast Iron Wall Bearings With Split Bearing Insert, Babbitted Liner And SS Hardware	1,827.21	59.82
		For UHMW-PE Liners, Add	*554.96*	
		For Extra Material Parts (No Labor), Add	*1,707.57*	
46 82 73 00-0189	EA	Removal And Reinstallation Of Wall Bearing Or Bracket	239.27	
46 82 73 00-0190	EA	Scrape And Wire Brush Existing Wall Bearing Or Bracket	119.64	
46 82 73 00-0191	EA	Prime And Paint Wall Bearing Or Bracket	48.73	

46 82 76 Water Treatment Flame Arrestors *(46 82)*

46 82 76 00-0001 Flame Arrestors And Traps *(46 82 76)*

46 82 76 00-0002 Shand And Jurs Wastewater Equipment *(46 82 76 00-0001)*

46 82 76 00-0003 Flanged Vertical Flame Arrestors *(46 82 76 00-0002)*

Note: Shand And Jurs 94309.

46 82 76 00-0004	EA	2" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	16,745.96	173.28
46 82 76 00-0005	EA	4" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	21,453.85	370.46
46 82 76 00-0006	EA	6" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	24,725.08	467.96
46 82 76 00-0007	EA	8" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	29,603.49	597.95
46 82 76 00-0008	EA	12" Vertical Flame Arrestor, Flanged, 316 Stainless Steel Body And Tube Bank	31,256.34	868.58

46 82 76 00-0009 Flanged Combination Conservation Valve And Flame Arrestors *(46 82 76 00-0002)*

Note: Shand And Jurs 97570.

46 82 76 00-0010	EA	2" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	4,414.57	173.28
46 82 76 00-0011	EA	3" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	6,048.71	220.98
46 82 76 00-0012	EA	4" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	7,023.50	370.46
46 82 76 00-0013	EA	6" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	10,819.47	467.96
46 82 76 00-0014	EA	8" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	14,648.40	597.95
46 82 76 00-0015	EA	10" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	18,751.07	727.93
46 82 76 00-0016	EA	12" 316 Stainless Steel Combination Conservation Valve And Flame Arrestor, Flanged	27,320.79	868.58

46 82 76 00-0017 Drip Traps *(46 82 76 00-0002)*

Note: Shand And Jurs 97100.

46 82 76 00-0018	EA	6 Quart Drip Trap Without Actuator	3,475.14	779.92
46 82 76 00-0019	EA	6 Quart Drip Trap With Actuator	12,054.64	779.92

46 82 76 00-0020 Sediment Traps *(46 82 76 00-0002)*

Note: Shand And Jurs 97120.

46 82 76 00-0021	EA	2" Sediment Trap, Hot Dipped Galvanized	7,076.80	389.97
46 82 76 00-0022	EA	3" Sediment Trap, Hot Dipped Galvanized	7,993.90	454.96
46 82 76 00-0023	EA	4" Sediment Trap, Hot Dipped Galvanized	8,648.63	519.95
46 82 76 00-0024	EA	6" Sediment Trap, Hot Dipped Galvanized	9,433.35	649.94
46 82 76 00-0025	EA	8" Sediment Trap, Hot Dipped Galvanized	15,203.09	779.92
46 82 76 00-0026	EA	10" Sediment Trap, Hot Dipped Galvanized	20,710.47	909.91
46 82 76 00-0027	EA	12" Sediment Trap, Hot Dipped Galvanized	24,869.90	1,021.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0028		Flame Trap Assembly With Mounting Hardware *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97140.		
46 82 76 00-0029	EA	2" Stainless Steel Flame Trap Assembly With Mounting Hardware	7,076.80	389.97
46 82 76 00-0030	EA	3" Stainless Steel Flame Trap Assembly With Mounting Hardware	8,781.01	454.96
46 82 76 00-0031	EA	4" Stainless Steel Flame Trap Assembly With Mounting Hardware	10,747.59	519.95
46 82 76 00-0032	EA	6" Stainless Steel Flame Trap Assembly With Mounting Hardware	13,631.27	649.94
46 82 76 00-0033	EA	8" Stainless Steel Flame Trap Assembly With Mounting Hardware	22,024.71	779.92
46 82 76 00-0034	EA	10" Stainless Steel Flame Trap Assembly With Mounting Hardware	31,992.38	909.91
46 82 76 00-0035	EA	12" Stainless Steel Flame Trap Assembly With Mounting Hardware	39,562.62	1,021.85
46 82 76 00-0036		Pressure Relief/Flame Trap Assembly *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97160.		
46 82 76 00-0037	EA	2" Stainless Steel Pressure Relief/Flame Trap Assembly	12,324.20	389.97
46 82 76 00-0038	EA	3" Stainless Steel Pressure Relief/Flame Trap Assembly	13,766.04	454.96
46 82 76 00-0039	EA	4" Stainless Steel Pressure Relief/Flame Trap Assembly	15,470.25	519.95
46 82 76 00-0040	EA	6" Stainless Steel Pressure Relief/Flame Trap Assembly	20,715.26	649.94
46 82 76 00-0041	EA	8" Stainless Steel Pressure Relief/Flame Trap Assembly	28,583.96	779.92
46 82 76 00-0042	EA	10" Stainless Steel Pressure Relief/Flame Trap Assembly	54,556.20	909.91
46 82 76 00-0043	EA	12" Stainless Steel Pressure Relief/Flame Trap Assembly	75,769.68	1,021.85
46 82 76 00-0044		Flame Check *(46 82 76 00-0002)*		
		Note: Shand And Jurs 97200.		
46 82 76 00-0045	EA	1/4" Flame Check, Aluminum	917.10	64.99
46 82 76 00-0046	EA	1/2" Flame Check, Aluminum	1,153.23	64.99
46 82 76 00-0047	EA	3/4" Flame Check, Aluminum	1,179.47	64.99
46 82 76 00-0048	EA	1" Flame Check, Aluminum	1,258.18	64.99
46 82 76 00-0049	EA	1-1/2" Flame Check, Aluminum	1,349.41	97.49
46 82 76 00-0050	EA	2" Flame Check, Aluminum	1,428.12	97.49
46 82 76 00-0051	EA	1/4" Flame Check, Stainless Steel	1,113.88	64.99
46 82 76 00-0052	EA	1/2" Flame Check, Stainless Steel	1,389.37	64.99
46 82 76 00-0053	EA	3/4" Flame Check, Stainless Steel	1,441.84	64.99
46 82 76 00-0054	EA	1" Flame Check, Stainless Steel	1,520.55	64.99
46 82 76 00-0055	EA	1-1/2" Flame Check, Stainless Steel	1,638.02	97.49
46 82 76 00-0056	EA	2" Flame Check, Stainless Steel	1,742.96	97.49
46 82 76 00-0057		Varec Wastewater Equipment *(46 82 76 00-0001)*		
46 82 76 00-0058		Pressure And Vacuum Relief Valves With Flame Arrester *(46 82 76 00-0057)*		
46 82 76 00-0059		Pressure And Vacuum Relief Valves With Flame Arrester *(46 82 76 00-0058)*		
		Note: Aluminum housings and bank assembly frame, stainless steel internals and bank assembly sheets. Please provide pressure and vacuum settings at time of order, not to exceed 27.70" wc.		
46 82 76 00-0060	EA	2" Relief Valve With Flame Arrester (Varec 5811B-X-2-S)	11,196.47	173.31
46 82 76 00-0061	EA	3" Relief Valve With Flame Arrester (Varec 5811B-X-3-S)	12,209.10	221.25
46 82 76 00-0062	EA	4" Relief Valve With Flame Arrester (Varec 5811B-X-4-S)	16,105.57	371.39
46 82 76 00-0063	EA	6" Relief Valve With Flame Arrester (Varec 5811B-X-6-S)	19,879.52	459.84
46 82 76 00-0064	EA	8" Relief Valve With Flame Arrester (Varec 5811B-X-8-S)	40,788.35	594.22
46 82 76 00-0065	EA	10" Relief Valve With Flame Arrester (Varec 5811B-X-0-S)	52,827.81	727.93
46 82 76 00-0066	EA	12" Relief Valve With Flame Arrester (Varec 5811B-X-1-S)	79,600.10	882.34
46 82 76 00-0067		Insulating Jackets For 5811B Relief Valve With Flame Arrester *(46 82 76 00-0058)*		
		Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 Lb. density fiberglass insulating material.		
46 82 76 00-0068	EA	2" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.141)	5,806.82	89.16
46 82 76 00-0069	EA	3" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.142)	6,650.25	93.86
46 82 76 00-0070	EA	4" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.143)	7,543.70	98.79
46 82 76 00-0071	EA	6" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.144)	9,049.93	103.99
46 82 76 00-0072	EA	8" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.145)	11,333.55	109.19
46 82 76 00-0073	EA	10" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.146)	12,936.94	114.65
46 82 76 00-0074	EA	12" Insulating Jackets For 5811B Relief Valve With Flame Arrester (Varec VB05.1185.147)	16,409.50	120.38
46 82 76 00-0075		Pressure And Vacuum Relief Valves *(46 82 76 00-0057)*		
46 82 76 00-0076		Pressure And Vacuum Relief Valves *(46 82 76 00-0075)*		
		Note: Vent-to-atmosphere, all-weather type, aluminum boyd and trip, teflon valve seat insert, flat faced flange with 125 Lb. ASA drilling. Standard service. Please provide pressure and vacuum setting at time of order. Not to exceed 27.70" wc.		
46 82 76 00-0077	EA	2" Pressure And Vacuum Relief Valve (Varec 2011B-X-2-T-FF-OP-02-02)	4,412.27	173.31
46 82 76 00-0078	EA	3" Pressure And Vacuum Relief Valve (Varec 2011B-X-3-T-FF-OP-02-02)	4,985.20	221.25
46 82 76 00-0079	EA	4" Pressure And Vacuum Relief Valve (Varec 2011B-X-4-T-FF-OP-02-02)	6,232.89	371.39
46 82 76 00-0080	EA	6" Pressure And Vacuum Relief Valve (Varec 2011B-X-6-T-FF-OP-02-02)	9,192.90	469.63
46 82 76 00-0081	EA	8" Pressure And Vacuum Relief Valve (Varec 2011B-X-8-T-FF-OP-02-02)	11,536.77	594.22
46 82 76 00-0082	EA	10" Pressure And Vacuum Relief Valve (Varec 2011B-X-0-T-FF-OP-02-02)	16,302.59	727.93
46 82 76 00-0083	EA	12" Pressure And Vacuum Relief Valve (Varec 2011B-X-1-T-FF-OP-02-02)	25,716.56	882.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0084		**Insulating Jackets For 2011B Relief Valve With Flame Arrester** *(46 82 76 00-0075)* Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 Lb. density fiberglass insulating material.		
46 82 76 00-0085	EA	2" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.148)	3,529.71	89.16
46 82 76 00-0086	EA	3" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.149)	4,038.12	93.86
46 82 76 00-0087	EA	4" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.150)	4,575.61	98.79
46 82 76 00-0088	EA	6" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.151)	5,479.86	103.99
46 82 76 00-0089	EA	8" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.152)	6,857.85	109.19
46 82 76 00-0090	EA	10" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.153)	7,820.03	114.65
46 82 76 00-0091	EA	12" Insulating Jackets For 2011B Relief Valve With Flame Arrester (Varec VB05.1185.154)	9,905.35	120.38
46 82 76 00-0092		**Flame Arresters** *(46 82 76 00-0057)*		
46 82 76 00-0093		**Flame Arresters** *(46 82 76 00-0092)* Note: Vertical installation, Aluminum housing, Aluminum extensible bank assembly frame and stainless steel sheets, stainless steel hardware. ANSI class 125 Lb. flat face flanged ends.		
46 82 76 00-0094	EA	2" Flame Arrester (Varec 5000-X-2-S)	6,330.80	173.31
46 82 76 00-0095	EA	3" Flame Arrester (Varec 5000-X-3-S)	6,689.11	221.25
46 82 76 00-0096	EA	4" Flame Arrester (Varec 5000-X-4-S)	9,258.56	371.39
46 82 76 00-0097	EA	6" Flame Arrester (Varec 5000-X-6-S)	15,359.40	469.63
46 82 76 00-0098	EA	8" Flame Arrester (Varec 5000-X-8-S)	27,562.84	594.22
46 82 76 00-0099	EA	10" Flame Arrester (Varec 5000-X-0-S)	34,302.15	727.93
46 82 76 00-0100	EA	12" Flame Arrester (Varec 5000-X-1-S)	50,455.83	882.34
46 82 76 00-0101		**Insulating Jackets For 5000 Flame Arrester** *(46 82 76 00-0092)* Note: Provides additional cold weather protection. Constructed of silicone impregnated woven glass cloth lining with a 1" thick, 6 Lb. density fiberglass insulating material.		
46 82 76 00-0102	EA	2" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.158)	2,391.18	89.16
46 82 76 00-0103	EA	3" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.159)	2,732.06	93.86
46 82 76 00-0104	EA	4" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.160)	3,091.58	98.79
46 82 76 00-0105	EA	6" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.161)	3,700.06	103.99
46 82 76 00-0106	EA	8" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.162)	4,614.80	109.19
46 82 76 00-0107	EA	10" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.163)	5,262.86	114.65
46 82 76 00-0108	EA	12" Insulating Jackets For 5000 Flame Arrester (Varec VB05.1185.164)	6,654.60	120.38
46 82 76 00-0109		**Flame Trap Assembly** *(46 82 76 00-0057)*		
46 82 76 00-0110		**Flame Trap Assembly** *(46 82 76 00-0109)* Note: Thermal shut-off valve mounted to a 5010 series flame arrester. 356HT low copper aluminum valve body and flame arrester housing. Aluminum frame with stainless steel sheets. Flame arrester element, 260F. Units to be mounted horizontally.		
46 82 76 00-0111	EA	2" Flame Trap Assembly (Varec 450-02-2-1-S)	11,256.07	346.64
46 82 76 00-0112	EA	3" Flame Trap Assembly (Varec 450-03-2-1-S)	12,276.28	442.52
46 82 76 00-0113	EA	4" Flame Trap Assembly (Varec 450-04-2-1-S)	15,931.19	742.79
46 82 76 00-0114	EA	6" Flame Trap Assembly (Varec 450-06-2-1-S)	25,198.81	939.26
46 82 76 00-0115	EA	8" Flame Trap Assembly (Varec 450-08-2-1-S)	39,630.95	1,188.47
46 82 76 00-0116	EA	10" Flame Trap Assembly (Varec 450-10-2-1-S)	58,590.31	1,455.86
46 82 76 00-0117	EA	12" Flame Trap Assembly (Varec 450-12-2-1-S)	81,467.27	1,764.69
46 82 76 00-0118		**Insulating Jacket For 450 Assembly** *(46 82 76 00-0109)*		
46 82 76 00-0119	EA	2" Insulating Jacket For 450 Assembly (Varec VB05.1185.230)	3,621.32	89.16
46 82 76 00-0120	EA	3" Insulating Jacket For 450 Assembly (Varec VB05.1185.231)	4,184.70	93.86
46 82 76 00-0121	EA	4" Insulating Jacket For 450 Assembly (Varec VB05.1185.232)	4,900.16	98.79
46 82 76 00-0122	EA	6" Insulating Jacket For 450 Assembly (Varec VB05.1185.233)	6,005.95	103.99
46 82 76 00-0123	EA	8" Insulating Jacket For 450 Assembly (Varec VB05.1185.234)	7,904.80	109.19
46 82 76 00-0124	EA	10" Insulating Jacket For 450 Assembly (Varec VB05.1185.235)	9,497.75	114.65
46 82 76 00-0125	EA	12" Insulating Jacket For 450 Assembly (Varec VB05.1185.236)	11,687.77	120.38
46 82 76 00-0126		**Pressure Relief Assembly** *(46 82 76 00-0057)*		
46 82 76 00-0127		**Pressure Relief Assembly** *(46 82 76 00-0126)*		
46 82 76 00-0128	EA	2" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 02 1 2 S 1)	21,809.24	346.64
46 82 76 00-0129	EA	3" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 03 1 2 S 1)	23,795.27	442.52
46 82 76 00-0130	EA	4" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 04 1 2 S 1)	26,861.26	742.79
46 82 76 00-0131	EA	6" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 06 1 2 S 1)	38,193.98	939.26
46 82 76 00-0132	EA	8" 2" WC To 12" WC, Pressure Relief Assembly (Varec 440 08 1 2 S 1)	54,691.21	1,188.47
46 82 76 00-0133	EA	10" 2" WC To 7" WC, Pressure Relief Assembly (Varec 440 10 1 2 S 1)	95,228.06	1,455.86
46 82 76 00-0134	EA	12" 2" WC To 7" WC, Pressure Relief Assembly (Varec 440 12 1 2 S 1)	129,074.39	1,764.69
46 82 76 00-0135		**Insulating Jackets For 440 Assembly** *(46 82 76 00-0126)*		
46 82 76 00-0136	EA	2" Insulating Jackets For 440 Assembly (Varec VB05.1185.220)	10,188.28	89.16
46 82 76 00-0137	EA	3" Insulating Jackets For 440 Assembly (Varec VB05.1185.221)	11,170.42	93.86
46 82 76 00-0138	EA	4" Insulating Jackets For 440 Assembly (Varec VB05.1185.222)	12,207.83	98.79
46 82 76 00-0139	EA	6" Insulating Jackets For 440 Assembly (Varec VB05.1185.223)	13,868.49	103.99
46 82 76 00-0140	EA	8" Insulating Jackets For 440 Assembly (Varec VB05.1185.224)	16,599.68	109.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0141	EA	10" Insulating Jackets For 440 Assembly (Varec VB05.1185.225)	20,888.48	114.65
46 82 76 00-0142	EA	12" Insulating Jackets For 440 Assembly (Varec VB05.1185.226)	22,717.32	120.38
46 82 76 00-0143		Manhole And Inspection Covers *(46 82 76 00-0057)*		
46 82 76 00-0144		Manhole And Inspection Covers *(46 82 76 00-0143)* Note: Aluminum base and cover, flax gasket.		
46 82 76 00-0145	EA	18" Manhole And Inspection Cover (Varec 220 18 11)	8,489.68	291.17
46 82 76 00-0146	EA	20" Manhole And Inspection Cover (Varec 220 20 11)	9,870.32	363.97
46 82 76 00-0147	EA	24" Manhole And Inspection Cover (Varec 220 24 11)	11,744.26	441.96
46 82 76 00-0148	EA	30" Manhole And Inspection Cover (Varec 220 30 11)	18,637.77	514.75
46 82 76 00-0149	EA	36" Manhole And Inspection Cover (Varec 220 36 11)	21,728.19	566.75
46 82 76 00-0150		Replacement Flax Gaskets For 220 Manway *(46 82 76 00-0143)*		
46 82 76 00-0151	EA	18" Replacement Flax Gasket For 220 Manway (Varec R9000273-18)	1,545.82	
46 82 76 00-0152	EA	20" Replacement Flax Gasket For 220 Manway (Varec R9000273-20)	1,553.62	
46 82 76 00-0153	EA	24" Replacement Flax Gasket For 220 Manway (Varec R9000273-24)	1,669.11	
46 82 76 00-0154	EA	30" Replacement Flax Gasket For 220 Manway (Varec R9000273-30)	2,057.23	
46 82 76 00-0155	EA	36" Replacement Flax Gasket For 220 Manway (Varec R9000273-36)	2,427.45	
46 82 76 00-0156		Sampling And Gauging Hatch Cover *(46 82 76 00-0057)*		
46 82 76 00-0157		Sampling And Gauging Hatch Covers *(46 82 76 00-0156)* Note: 356 HT low copper aluminum, buna-n gasket, lockable handwheel and safetly lever. ANSI class 125 LB flat faced flange.		
46 82 76 00-0158	EA	4" Sampling And Gauging Hatch Cover (Varec 42 411BA)	2,063.23	67.60
46 82 76 00-0159	EA	6" Sampling And Gauging Hatch Cover (Varec 42 611BA)	2,244.86	99.83
46 82 76 00-0160	EA	8" Sampling And Gauging Hatch Cover (Varec 42 811BA)	2,566.62	118.54
46 82 76 00-0161	EA	10" Sampling And Gauging Hatch Cover (Varec 42 011BA)	3,722.03	138.30
46 82 76 00-0162		Replacement Buna-N Gasket For 42 Cover *(46 82 76 00-0156)*		
46 82 76 00-0163	EA	4" Replacement Buna-N Gasket For 42 Cover (Varec B6017-075)	473.22	
46 82 76 00-0164	EA	6" Replacement Buna-N Gasket For 42 Cover (Varec B6018-075)	563.48	
46 82 76 00-0165	EA	8" Replacement Buna-N Gasket For 42 Cover (Varec B6029-075)	601.60	
46 82 76 00-0166	EA	10" Replacement Buna-N Gasket For 42 Cover (Varec B6030-075)	639.95	
46 82 76 00-0167		Emergency Relief Manhole Covers *(46 82 76 00-0057)* Note: Aluminum base and cover, ANSI 150 Lb. flat faced flange connection. Please provide pressure and vacuum settings at time of order.		
46 82 76 00-0168	EA	1.6" WC To 6.4" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 0 1 1 F)	40,393.37	441.96
46 82 76 00-0169	EA	6.5" WC To 16.3" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 1 1 1 F)	42,025.65	441.96
46 82 76 00-0170	EA	16.4" WC To 22.7" WC, 24" Emergency Relief Manhole Cover (Varec 400W 24 11 2 1 1 F)	42,280.26	441.96
46 82 76 00-0171		Replacement Flame Arrester Kits *(46 82 76 00-0057)* Note: Replacement flame arrester bank assemblies with replacement cover gasket. Aluminum bank frame with stainless steel sheets.		
46 82 76 00-0172	EA	2" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.2)	3,729.14	173.31
46 82 76 00-0173	EA	3" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.3)	3,916.79	221.25
46 82 76 00-0174	EA	4" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.4)	5,449.66	371.39
46 82 76 00-0175	EA	6" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.6)	9,048.57	469.63
46 82 76 00-0176	EA	8" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.8)	16,211.26	594.22
46 82 76 00-0177	EA	10" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.10)	20,147.89	727.93
46 82 76 00-0178	EA	12" Replacement Flame Arrester Kit (Varec 5000.ALSS.KIT.12)	29,642.86	882.34
46 82 76 00-0179		Safety Selector Valve *(46 82 76 00-0057)*		
46 82 76 00-0180	EA	Safety Selector Valve, Stainless Steel Body (Varec SVR-2405B-ASTO)	62,638.95	1,021.85
46 82 76 00-0181	EA	Insulating Jacket For Safety Selector Valve (Varec VB05.1185.260)	8,829.60	64.99
46 82 76 00-0182		Condensate And Sediment Traps *(46 82 76 00-0057)*		
46 82 76 00-0183		Condensate And Sediment Traps *(46 82 76 00-0182)*		
46 82 76 00-0184	EA	6" Condensate And Sediment Trap, Stainless Steel Body (Varec 23306FS)	21,944.43	638.66
46 82 76 00-0185		Accessories For Condensate And Sediment Traps *(46 82 76 00-0182)*		
46 82 76 00-0186	EA	2-1/2 Quart Capacity, Manual Operation, Low Pressure Drip Trap (Varec 246 2)	2,395.38	64.99
46 82 76 00-0187	EA	6 Quart Capacity, Manual Operation, Low Pressure Drip Trap (Varec 246 6)	2,943.45	81.24
46 82 76 00-0188	EA	2-1/2 Quart Capacity, Electric Actuator, Low Pressure Drip Trap (Varec 246 AT 2)	18,221.65	129.99
46 82 76 00-0189	EA	6 Quart Capacity, Electric Actuator, Low Pressure Drip Trap (Varec 246 AT 6) Note: 356-T6 low copper cast aluminum body, cover plate, disc and handle. 1" NPT inlet and outlet connections. Explosion proof actuator with NEMA 7 timer.	20,354.52	146.23
46 82 76 00-0190	EA	1/2" Sight Glass Assembly With Bronze Valves (Varec 218)	715.87	64.99
46 82 76 00-0191	EA	1/2" Sight Glass Assembly With Stainless Steel Valves (Varec 218)	4,395.17	64.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 76 00-0192	EA	Insulating Jacket For Automatic Low Pressure Drip Trap (Varec VB05.1185.248)	2,925.32	103.99
46 82 76 00-0193	EA	Insulating Jacket For Timer Enclosure (Varec VB05.1185.256)	1,428.20	103.99
46 82 76 00-0194	EA	Spare Parts Kit For 6 Quart Automatic Low Pressure Drip Trap (Varec 246AT.PM.KIT)	3,279.56	

46 82 76 00-0195 Replacement Parts *(46 82 76 00-0057)*

46 82 76 00-0196 Replacement Seat Rings For Pressure/Vacuum Relief Valve *(46 82 76 00-0195)*

Note: Stainless steel construction. Same for both pressure side and vacuum side.

46 82 76 00-0197	EA	2" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-10438-006-1)	1,190.01	
46 82 76 00-0198	EA	3" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-10251-006-1)	1,353.56	
46 82 76 00-0199	EA	4" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05464-006-1)	1,486.02	
46 82 76 00-0200	EA	6" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05478-006-1)	2,197.24	
46 82 76 00-0201	EA	8" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05482-006-1)	2,906.24	
46 82 76 00-0202	EA	10" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05487-006-1)	3,839.72	
46 82 76 00-0203	EA	12" Replacement Seat Rings For Pressure/Vacuum Relief Valve (Varec 02-05499-006-1)	4,775.51	

46 82 76 00-0204 Replacement Pallet Assembly For Pressure Side Only *(46 82 76 00-0195)*

Note: Stainless steel construction.

46 82 76 00-0205	EA	2" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-306-1)	2,181.99	
46 82 76 00-0206	EA	3" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-406-1)	2,659.62	
46 82 76 00-0207	EA	4" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-506-1)	2,941.26	
46 82 76 00-0208	EA	6" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-606-1)	4,398.44	
46 82 76 00-0209	EA	8" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-706-1)	5,855.99	
46 82 76 00-0210	EA	10" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-806-1)	7,801.93	
46 82 76 00-0211	EA	12" Replacement Pallet Assembly For Pressure Side Only (Varec 06-11485-906-1)	9,748.48	

46 82 76 00-0212 Replacement Pallet Assembly For Vacuum Side Only *(46 82 76 00-0195)*

Note: Stainless steel construction.

46 82 76 00-0213	EA	2" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-106-1)	2,181.99	
46 82 76 00-0214	EA	3" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-206-1)	2,659.62	
46 82 76 00-0215	EA	4" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-006-1)	2,941.26	
46 82 76 00-0216	EA	6" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-606-1)	4,398.44	
46 82 76 00-0217	EA	8" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-706-1)	5,855.99	
46 82 76 00-0218	EA	10" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-806-1)	7,801.93	
46 82 76 00-0219	EA	12" Replacement Pallet Assembly For Vacuum Side Only (Varec 06-11485-906-1)	9,748.48	

46 82 76 00-0220 Replacement Fuses For Thermal Shut Off Valve *(46 82 76 00-0195)*

46 82 76 00-0221	EA	Up To 4", Replacement Fuses For Thermal Shut Off Valve (Varec B2844-061)	172.11	
46 82 76 00-0222	EA	>4", Replacement Fuses For Thermal Shut Off Valve (Varec 02-10330-061)	179.27	

46 82 76 00-0223 Replacement Fuse For 440 Assembly *(46 82 76 00-0195)*

46 82 76 00-0224	EA	Fuse For 440 Assembly (Varec A1068-061)	172.11	

46 82 76 00-0225 Replacement Diaphragm For Back Pressure Regulator *(46 82 76 00-0195)*

46 82 76 00-0226	EA	2" Replacement Diaphragm For Back Pressure Regulator (Varec B6586-074)	1,051.31	
46 82 76 00-0227	EA	3" To 4" Replacement Diaphragm For Back Pressure Regulator (Varec D4608-074)	1,546.22	
46 82 76 00-0228	EA	6" To 8" Replacement Diaphragm For Back Pressure Regulator (Varec D490-074)	1,673.45	
46 82 76 00-0229	EA	10" To 12" Replacement Diaphragm For Back Pressure Regulator (Varec 02-09523-074)	1,851.91	

46 82 83 Water Treatment Instrumentation Devices *(46 82)*

46 82 83 00-0001 Sewage And Aeration Instrumentation Devices *(46 82 83)*

46 82 83 00-0002 Temperature Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-0003 Temperature Equipment And Instrumentation (Foxboro) *(46 82 83 00-0002)*

46 82 83 00-0004	EA	Temperature Sensor, Up To 3.5" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-003	826.80	29.92
46 82 83 00-0005	EA	Temperature Sensor, Up To 6" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-006	847.82	29.92
46 82 83 00-0006	EA	Temperature Sensor, Up To 12" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-012	863.58	29.92
46 82 83 00-0007	EA	Temperature Sensor, Up To 18" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-018	895.11	29.92
46 82 83 00-0008	EA	Temperature Sensor, Up To 24" Insertion, -330 To 1,200 Degree F Range, 316 Stainless Steel Sheath Material. Model: Foxboro Company #PR-13UBS-024	926.63	29.92
46 82 83 00-0009	EA	Temperature Transmitter, 4-20mA With HART Communication, Epoxy Coated Housing, LCD. Model: Foxboro Company #RTT20-T1SNQFA-L1	1,810.73	44.86

46 82 83 00-0010 Temperature Equipment And Instrumentation (Moore) *(46 82 83 00-0002)*

46 82 83 00-0011	EA	Temperature Transmitter, Moore Products Company #343D-A-5-N-5-1-3	1,980.62	44.86
46 82 83 00-0012	EA	Temperature Transmitter, Moore Products Company #343F-A-5-N-1-1-3	2,318.82	44.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0013	EA	2.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12	533.31	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0014	EA	10.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12	631.70	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0015	EA	16.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12	751.60	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0016	EA	22.5" Immersion Length Temperature Sensor, Stainless Steel Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-12	834.62	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0017	EA	2.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18	982.20	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0018	EA	10.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18	1,701.66	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0019	EA	16.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18	2,390.37	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0020	EA	22.5" Immersion Length Temperature Sensor, Hastelloy Well Material, Moore Products Company #344T4-6-X-2-AD-J-A-18	3,072.93	29.92
		Note: Stainless steel fittings, explosion proof, duplex thermocouple, and 1/2" NPT threaded pipewell.		
46 82 83 00-0021	EA	Portable Trace Recorder, Moore Products Company #36P144NNNN1NNN1	9,886.38	113.00
46 82 83 00-0022	EA	Stationary Trace Recorder, Moore Products Company #36M134NNNN1NNN1	7,908.64	169.50
46 82 83 00-0023	EA	Video Graphic Recorder (Moore Products Company #36V124NNNN1NNN1)	10,792.61	169.50
46 82 83 00-0024	EA	Basic Controller, Moore Products Company #353A2FNNNNNNNA4	4,263.71	56.50
		For Expanded Controller, Add	*500.00*	

46 82 83 00-0025 Temperature Equipment And Instrumentation (Rosemount) *(46 82 83 00-0002)*

46 82 83 00-0026	EA	Rosemount Head Mounted Smart Temperature Transmitter; LCD Indicator; Explosion Proof Enclosure	1,949.00	
46 82 83 00-0027	EA	Rosemount Head Mounted Smart Temperature Transmitter; Single RTD Input; LCD Indicator; Explosion Proof Enclosure	2,725.77	
46 82 83 00-0028	EA	Rosemount Head Mounted Smart Temperature Transmitter; Dual RTD Input; LCD Indicator; Explosion Proof Enclosure	2,752.93	
46 82 83 00-0029	EA	Rosemount Eight Input Temperature Transmitter; Fieldbus Output; FM Intrinsically Safe	5,294.41	
46 82 83 00-0030	EA	Rosemount RTD - Thin Film; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure	553.59	
46 82 83 00-0031	EA	Rosemount RTD - Wire Wound; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure	602.92	
46 82 83 00-0032	EA	Rosemount RTD - Wire Wound; Spring Loaded; 3" Nipple Union; 6" Element; Explosion Proof Enclosure; 316 Stainless Steel Tapered Thermowell; 1" NPT Connection; 4 1/2" Insertion	812.57	

46 82 83 00-0033 Temperature Equipment And Instrumentation (Yokogawa) *(46 82 83 00-0002)*

46 82 83 00-0034	EA	Temperature Sensor, 2.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	415.65	44.86
46 82 83 00-0035	EA	Temperature Sensor, 4.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	449.47	44.86
46 82 83 00-0036	EA	Temperature Sensor, 7.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	510.96	44.86
46 82 83 00-0037	EA	Temperature Sensor, 10.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	621.65	44.86
46 82 83 00-0038	EA	Temperature Sensor, 13.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	713.88	44.86
46 82 83 00-0039	EA	Temperature Sensor, 16.5" Immersion Length, Threaded And Socket Thermowells, Thin Film RTD, 4-Wire. Model: Yokogawa #TSE300-L-10-B-N-N-X	799.97	44.86
46 82 83 00-0040	EA	For 4" Flanged Thermowells	769.23	44.86
46 82 83 00-0041	EA	For 7" Flanged Thermowells	860.79	56.83
46 82 83 00-0042	EA	For 10" Flanged Thermowells	967.74	68.80
46 82 83 00-0043	EA	For 16" Flanged Thermowells	1,160.92	77.77
46 82 83 00-0044	EA	Temperature Transmitter, 4-20mA With HART Communication, 1/2" NPT Connection, Digital Indicator, 304 Stainless Steel 2" Pipe Mounting, Explosion Proof. Model: Yokogawa #YTA110-EA2DB/FF1	2,117.64	56.50

46 82 83 00-0045 Pressure Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-0046 Pressure And Level Transmitters (ABB) *(46 82 83 00-0045)*

46 82 83 00-0047	EA	Pressure Transmitter, Normal Range 5.8 - 116 PSI, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #624GV210811141	2,327.97	29.92
		For Transmitter With LCD Indicator, Add	*175.00*	
46 82 83 00-0048	EA	Differential Pressure Transmitter, Normal Range 0-10.7" H2O, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #621DD2J10811141	3,050.94	29.92
		For Transmitter With LCD Indicator, Add	*175.00*	
46 82 83 00-0049	EA	Differential Pressure Transmitter, Normal Range 0-640" H2O, 316 Stainless Steel Construction, 0.1% Accuracy, 1/2" NPT Process Connection. Model: ABB Instrumentation, Model #621DD2J61111141	2,902.97	29.92
		For Transmitter With LCD Indicator, Add	*175.00*	

46 82 83 00-0050 Pressure Transmitters (Rosemount) *(46 82 83 00-0045)*

46 82 83 00-0051	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 150 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	2,064.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0052	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 750 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	3,081.92	
46 82 83 00-0053	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 300 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	2,875.39	
46 82 83 00-0054	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 750 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm	5,103.90	
		For Diaphragm Extension Length 6", Add	*249.00*	
46 82 83 00-0055	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 800 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure	2,064.74	
46 82 83 00-0056	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; .065% Accuracy	3,009.63	
46 82 83 00-0057	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; .065% Accuracy	3,009.63	
46 82 83 00-0058	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm; Classic Performance	3,220.30	
		For EF-6" Lower Housing Extension, Add	*390.00*	
46 82 83 00-0059	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 800 psi Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance	5,749.22	
		For Ultra, Add	*144.00*	
46 82 83 00-0060	EA	Rosemount Gage Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance	3,887.78	
		For Ultra, Add	*144.00*	
46 82 83 00-0061	EA	Rosemount Differential Pressure Smart Transmitter; 316 Stainless Steel Wetted Parts; 250 in WC Range; Mounting Bracket; LCD Indicator; Explosion Proof Enclosure; Classic Performance	3,887.78	
		For Ultra, Add	*144.00*	
46 82 83 00-0062	EA	Rosemount Flange Mounted Liquid Level Smart Transmitter; 316 Stainless Steel Wetted Parts; 1000 in WC Range; 3" 150 LB Flange; LCD Indicator; Explosion Proof Enclosure; Flush Diaphragm; .075% Accuracy	4,450.60	
		For Diaphragm Extension Length 6", Add	*249.00*	

46 82 83 00-0063 Differential Pressure Transmitters (Yokogawa) *(46 82 83 00-0045)*

46 82 83 00-0064	EA	1-100 kPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EMS3B92NB/FF1 Note: 4-20mAdc output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.	3,541.18	56.50
46 82 83 00-0065	EA	5-500 kPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EHS3B92NB/FF1 Note: 4-20mAdc output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.	3,541.18	56.50
46 82 83 00-0066	EA	0.14-14 MPa Measurement Range Differential Pressure Transmitter, Yokogawa #EJ110A-EVS3B92NB/FF1 Note: 4-20mAdc output, HART protocol, 316 stainless steel wetted parts, 1/4" NPT process connector, and 304 stainless steel mounting bracket.	4,109.98	56.50

46 82 83 00-0067 Pressure Transmitters (E+H) *(46 82 83 00-0045)*

46 82 83 00-0068	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Pressure Transmitter (E+H PMC51-4JD81/0) Note: Output: 4-20mA HART; Housing: F31 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: 1/2" MNPT, 1/4" FNPT, 316L; Seal: FKM Viton.	1,824.40	64.99
46 82 83 00-0069	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 22, Pressure Transmitter (E+H PMC51-1NR02/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: 1/2" MNPT, 1/4" FNPT, 316L; Seal: FKM Viton.	1,998.65	64.99
46 82 83 00-0070	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20010/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; in H2O.	2,022.22	64.99
46 82 83 00-0071	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20039/0) Note: Output: 4-20mA HART; Housing: F30 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.	2,196.48	64.99
46 82 83 00-0072	EA	1,015 PSI Nominal Pressure, 45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H PMD55-20046/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value, in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.	2,022.22	64.99
46 82 83 00-0073	EA	1,015 PSI Nominal Pressure, 45 PSI Sensor Nominal Value, LCD, Push Button On Display/Electronics Display, FM NI Class I, Division 2, Group A-D, Zone 22, Differential Pressure Transmitter (E+H PMD55-144U5/0) Note: Output: 4-20mA HART; Housing: F30 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value, in H2O; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line vertical alignment 90 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton.	2,196.48	64.99
46 82 83 00-0074	EA	150 PSIG, 333' H2O Sensor Range, 600 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-1EN37/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range, psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.	2,047.90	64.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0075	EA	30 PSIG, 67' H2O Sensor Range, 300 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD41/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316.	2,047.90	64.99
46 82 83 00-0076	EA	600 PSIG, 1,334' H2O Sensor Range, 2400 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-1EN20/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.	2,047.90	64.99
46 82 83 00-0077	EA	45 PSI Nominal Pressure, Output: 4-20mA HART; Inside + LCD, FM XP Class I, Division 1, Group A-D, AEx d, Zone 1, 2 NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H FMD77-XPN6/0) Note: Housing; Cover Sealing; Cable Entry: T14 aluminum NEMA 6P; EPDM; 1/2" NPT, T14 = side cover; Nominal Range; Cell Material; 316L; 2,400 psi; Calibration; Unit: nominal range; in H2O; Membrane Material: 316L, high-pressure side; Process Connection; LP Side; Seal: NPT1/4-18; FKM Viton, mounting UNF7/16-20; Process Connection, HP/HP+LP: NPS 3" Class, 150 RF, 316/316L flange ASME B16.5; Fill Fluid: silicone oil.	5,327.89	64.99
46 82 83 00-0078	EA	45 PSI Nominal Pressure, Output: 4-20mA HART; External + LCD, FM XP Class I, Division 1, Group A-D, AEx d, Zone 1, 2 NI Class I, Division 2, Group A-D, Zone 2, Differential Pressure Transmitter (E+H FMD77-XPP7/0) Note: Housing; Cover Sealing; Cable Entry: T14 aluminum NEMA 6P; EPDM; 1/2" NPT, T14 = side cover; Nominal Range; Cell Material; 316L; 2,400 psi; Calibration; Unit: nominal range; in H2O; Membrane Material: 316L, high-pressure side; Process Connection; LP Side; Seal: NPT1/4-18; FKM Viton, mounting UNF7/16-20; Process Connection; HP/HP+LP: NPS 3" Class, 150 RF, 316/316L, 2/4/6/8" barrel, flange ASME B16.5, Fill Fluid: silicone oil.	7,119.42	64.99
46 82 83 00-0079	EA	1500 PSIG, 3,330' H2O Sensor Range, 6000 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD59/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window: Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; psi; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Accessory Enclosed: mounting bracket, wall/pipe, 316L.	2,047.90	64.99
46 82 83 00-0080	EA	60 PSIG, 133' H2O Sensor Range, 420 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD66/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Mounting bracket, wall/pipe, 316L.	2,047.90	64.99
46 82 83 00-0081	EA	15 PSIG, 33' H2O Sensor Range, 150 PSI Overload, LCD, Push Button On Display/Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Pressure Transmitter (E+H PMP51-5LD80/0) Note: Output: 4-20mA HART; Housing: F31 aluminum, glass window; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: sensor range; in H2O; Process Connection: Thread ANSI MNPT1/2 FNPT1/4, 316L; Membrane Material: 316L; Fill Fluid: silicone oil; Mounting bracket, wall/pipe, 316L.	2,047.90	64.99
46 82 83 00-0082	EA	14.5 PSI Nominal Pressure, 0.45 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-20085/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20; installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy-duty design.	2,392.94	64.99
46 82 83 00-0083	EA	1,015 PSI Nominal Pressure, 240 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-20092/0) Note: Output: 4-20mA HART; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20, installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy-duty design.	2,392.94	64.99
46 82 83 00-0084	EA	2,400 PSI Nominal Pressure, 600 PSI Sensor Nominal Value, Push Button On Electronics Display, FM XP Class I, II, Division 1, Group A-G, Zone 1, IIC T6 (Conduit Seal Not Required), Zone 1, 2, Differential Pressure Transmitter (E+H PMD55-200C9/0) Note: Output: 4-20mA HART2; Housing: F30 aluminum; Electrical Connection: 1/2" NPT, NEMA 4X/6P; ; Reference Accuracy: standard calibration; Unit: nominal value; kPa/MPa; Process Connection: NPT1/4-18, UNF7/16-20, installation impulse line horizontal alignment 180 degree; Membrane Material: 316L; Fill Fluid: silicone oil; Seal: FKM Viton; mounting bracket, wall/pipe, 316L, heavy-duty design.	2,533.83	64.99
46 82 83 00-0085	DAY	E+H, Pressure Instrumentation, Start Up And Training	2,884.53	

46 82 83 00-0086 Pressure Isolators (Onyx Valve Company) *(46 82 83 00-0045)*

46 82 83 00-0087	EA	2", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2-SS)	1,621.61	103.95
46 82 83 00-0088	EA	2-1/2", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2.5-SS)	2,346.15	287.15
46 82 83 00-0089	EA	3", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-3-SS)	2,429.22	323.05
46 82 83 00-0090	EA	4", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-4-SS)	3,282.88	478.58
46 82 83 00-0091	EA	6", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-6-SS)	5,375.16	700.41
46 82 83 00-0092	EA	8", 316 Stainless Steel Center Section, Silicone Filled End Plates And Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-8-SS)	7,635.58	1,050.63
46 82 83 00-0093	EA	2", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2-C)	1,368.21	103.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0094	EA	2-1/2", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-2.5-C)	1,581.85	287.15
46 82 83 00-0095	EA	3", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-3-C)	1,664.92	323.05
46 82 83 00-0096	EA	4", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-4-C)	1,997.38	478.58
46 82 83 00-0097	EA	6", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-6-C)	2,894.80	700.41
46 82 83 00-0098	EA	8", Epoxy Coated Carbon Center Section, Silicone Filled Acetal End Plates And Brass Stinger Fitting, PSW Isolator Ring (Onyx Valve Company PSW-8-C)	4,178.73	1,050.63

46 82 83 00-0099 Flow Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-0100 Flow Equipment (ABB) *(46 82 83 00-0099)*

46 82 83 00-0101 Magnetic Flowmeters, Flanged, Stainless Steel Electrodes *(46 82 83 00-0100)*

Note: Raw sewage application, polyurethane liner, stainless steel grounding rings, with remote transmitter. Model ABB instrumentation primary model #MFF and transmitter model #MFE

46 82 83 00-0102	EA	12" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	11,456.93	480.12
46 82 83 00-0103	EA	14" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	12,900.08	564.85
46 82 83 00-0104	EA	16" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	16,551.04	677.71
46 82 83 00-0105	EA	18" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	18,311.80	708.88
46 82 83 00-0106	EA	20" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	21,030.06	776.78
46 82 83 00-0107	EA	24" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	25,396.80	955.50
46 82 83 00-0108	EA	30" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	55,816.87	1,525.44
46 82 83 00-0109	EA	36" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	61,822.34	3,050.88
46 82 83 00-0110	EA	42" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	76,468.42	3,549.29
46 82 83 00-0111	EA	48" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	88,062.68	3,838.84
46 82 83 00-0112	EA	54" Magnetic Flowmeter, ABB Instrumentation Primary Model #MFF And Transmitter Model #MFE	161,181.89	4,513.61

46 82 83 00-0113 Magnetic Flowmeters, Hastelloy-C Electrodes SST Grounding Rings *(46 82 83 00-0100)*

Note: Flanged, corrosive liquids application, Teflon liner, with remote transmitter. Model: ABB instrumentation primary model FEP325 and FET325 secondary

46 82 83 00-0114	EA	1" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325025A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	6,638.02	43.67
46 82 83 00-0115	EA	1-1/2" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325040A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	6,879.73	56.83
46 82 83 00-0116	EA	2" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325050A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	6,998.08	86.75
46 82 83 00-0117	EA	3" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325080A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	7,281.10	134.60
46 82 83 00-0118	EA	4" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325100A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	8,159.20	219.55
46 82 83 00-0119	EA	6" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325150A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	9,328.32	239.29
46 82 83 00-0120	EA	8" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325200A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	11,264.92	358.94
46 82 83 00-0121	EA	10" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325250A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	14,755.81	418.64
46 82 83 00-0122	EA	12" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325300A1D4A1B0A1C2P2B0Y1AJA And Secondary Model #FET3251C0P1B3B1	20,278.92	508.38

46 82 83 00-0123 Magnetic Flowmeters, Flanged, Tezfel Liner *(46 82 83 00-0100)*

Note: Sludge flows (primary, thickness digester), stainless steel grounding rings, with remote transmitter. Model: ABB instrumentation primary model #FEP325 and secondary model #FEP325

46 82 83 00-0124	EA	4" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325100F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	8,853.13	205.61
46 82 83 00-0125	EA	6" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325150F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	10,008.19	225.94
46 82 83 00-0126	EA	8" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325200F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	12,274.01	338.91
46 82 83 00-0127	EA	10" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325250F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	16,948.72	395.39
46 82 83 00-0128	EA	12" Magnetic Flowmeter, ABB Instrumentation Primary Model #FEP325300F1S3A1B0A1C2P2B0Y1AJAF6M5 And Secondary Model #FET3251C0P1B3B1	24,024.03	480.12

46 82 83 00-0129 Flow Equipment (Ameritrol) *(46 82 83 00-0099)*

46 82 83 00-0130 Flow Switches *(46 82 83 00-0129)*

46 82 83 00-0131	EA	Electronic Flow Switch, 1" MNPT Process Connection, 1.8" Probe Length, 120 Volt AC Power Input, SPDT Relay Output, Process Temperatures To 350F, NEMA 4X Enclosure (Ameritrol FX-1000-AD)	1,752.35	29.92

46 82 83 00-0132 Flow Equipment (CiDRA) *(46 82 83 00-0099)*

46 82 83 00-0133 Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus *(46 82 83 00-0132)*

46 82 83 00-0134	EA	2" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E02-05-5-01-6A-01A-12-02-01-EN)	21,039.70	113.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0135	EA	3" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E03-05-5-01-6A-01A-12-02-01-EN)	21,067.95	120.07
46 82 83 00-0136	EA	4" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E04-05-5-01-6A-01A-12-02-01-EN)	21,098.01	127.58
46 82 83 00-0137	EA	6" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E06-05-5-01-6A-01A-12-02-01-EN)	23,302.74	135.54
46 82 83 00-0138	EA	8" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E08-05-5-01-6A-01A-12-02-01-EN)	24,119.38	144.01
46 82 83 00-0139	EA	10" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E10-05-5-01-6A-01A-12-02-01-EN)	25,763.38	153.03
46 82 83 00-0140	EA	12" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E12-05-5-01-6A-01A-12-02-01-EN)	27,271.18	162.60
46 82 83 00-0141	EA	14" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E14-05-5-01-6A-01A-12-02-01-EN)	30,655.15	172.77
46 82 83 00-0142	EA	16" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E16-05-5-01-6A-01A-12-02-01-EN)	34,041.60	183.57
46 82 83 00-0143	EA	18" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E18-05-5-01-6A-01A-12-02-01-EN)	39,177.17	195.03
46 82 83 00-0144	EA	20" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E20-05-5-01-6A-01A-12-02-01-EN)	43,167.42	207.23
46 82 83 00-0145	EA	22" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E22-05-5-01-6A-01A-12-02-01-EN)	45,567.52	220.21
46 82 83 00-0146	EA	24" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E24-05-5-01-6A-01A-12-02-01-EN)	47,703.10	233.96
46 82 83 00-0147	EA	26" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E26-05-5-01-6A-01A-12-02-01-EN)	49,945.57	248.60
46 82 83 00-0148	EA	28" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E28-05-5-01-6A-01A-12-02-01-EN)	52,154.74	264.13
46 82 83 00-0149	EA	30" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E30-05-5-01-6A-01A-12-02-01-EN)	54,088.99	280.63
46 82 83 00-0150	EA	32" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E32-05-5-01-14-01A-12-02-01-EN)	62,857.98	298.18
46 82 83 00-0151	EA	34" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E34-05-5-01-14-01A-12-02-01-EN)	64,630.97	316.83
46 82 83 00-0152	EA	36" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E36-05-5-01-14-01A-12-02-01-EN)	68,276.84	336.62
46 82 83 00-0153	EA	40" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E40-05-5-14-14-01A-12-02-01-EN)	79,666.54	357.68
46 82 83 00-0154	EA	42" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E42-05-5-14-14-01A-12-02-01-EN)	85,242.53	380.02
46 82 83 00-0155	EA	48" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E48-05-5-14-14-01A-12-02-01-EN)	93,805.62	403.78
46 82 83 00-0156	EA	54" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E54-05-5-14-14-01A-12-02-01-EN)	105,496.35	429.00
46 82 83 00-0157	EA	60" Steel Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E60-05-5-14-14-01A-12-02-01-EN)	119,604.41	455.81

46 82 83 00-0158 Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus *(46 82 83 00-0132)*

46 82 83 00-0159	EA	3" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-100-05-5-01-6A-01A-12-02-01-EN)	21,067.95	120.07
46 82 83 00-0160	EA	4" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-122-05-5-01-6A-01A-12-02-01-EN)	23,270.87	127.58
46 82 83 00-0161	EA	6" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-175-05-5-01-6A-01A-12-02-01-EN)	24,085.48	135.54
46 82 83 00-0162	EA	8" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-228-05-5-01-6A-01A-12-02-01-EN)	25,727.34	144.01
46 82 83 00-0163	EA	10" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-280-05-5-01-6A-01A-12-02-01-EN)	27,232.87	153.03
46 82 83 00-0164	EA	12" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-335-05-5-01-6A-01A-12-02-01-EN)	30,614.47	162.60
46 82 83 00-0165	EA	14" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-388-05-5-01-6A-01A-12-02-01-EN)	33,998.44	172.77
46 82 83 00-0166	EA	16" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-439-05-5-01-6A-01A-12-02-01-EN)	39,131.29	183.57
46 82 83 00-0167	EA	18" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-494-05-5-01-6A-01A-12-02-01-EN)	43,118.60	195.03
46 82 83 00-0168	EA	20" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-547-05-5-01-6A-01A-12-02-01-EN)	45,515.66	207.23
46 82 83 00-0169	EA	24" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-652-05-5-01-6A-01A-12-02-01-EN)	49,887.04	233.96
46 82 83 00-0170	EA	30" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-E32-05-5-01-14-01A-12-02-01-EN)	62,787.81	280.63
46 82 83 00-0171	EA	36" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-999-05-5-14-14-01A-12-02-01-EN)	79,582.35	336.62
46 82 83 00-0172	EA	42" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-J31-05-5-14-14-01A-12-02-01-EN)	93,710.59	380.02
46 82 83 00-0173	EA	48" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-K91-05-5-14-14-01A-12-02-01-EN)	105,395.44	403.78
46 82 83 00-0174	EA	54" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-N61-05-5-14-14-01A-12-02-01-EN)	119,497.17	429.00
46 82 83 00-0175	EA	60" Ductile Iron Pipe, Clamp-On Volumetric Flow Meter With AC Transmitter And Modbus (CiDRA FMS-P63-05-5-14-14-01A-12-02-01-EN)	124,145.82	455.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0176		**Transmitter Interconnect Cable** *(46 82 83 00-0132)*		
46 82 83 00-0177	EA	25' Transmitter Interconnect Cable (CiDRA CA-10-0025)	794.94	14.13
46 82 83 00-0178	EA	50' Transmitter Interconnect Cable (CiDRA CA-10-0050)	901.28	28.25
46 82 83 00-0179	EA	75' Transmitter Interconnect Cable (CiDRA CA-10-0075)	1,173.78	42.37
46 82 83 00-0180	EA	100' Transmitter Interconnect Cable (CiDRA CA-10-0100)	1,448.11	56.50
46 82 83 00-0181	EA	125' Transmitter Interconnect Cable (CiDRA CA-10-0125)	1,751.99	70.62
46 82 83 00-0182	EA	150' Transmitter Interconnect Cable (CiDRA CA-10-0150)	1,946.95	84.75
46 82 83 00-0183	EA	175' Transmitter Interconnect Cable (CiDRA CA-10-0175)	2,197.28	98.88
46 82 83 00-0184	EA	200' Transmitter Interconnect Cable (CiDRA CA-10-0200)	2,392.24	113.00
46 82 83 00-0185	EA	225' Transmitter Interconnect Cable (CiDRA CA-10-0225)	2,590.90	127.12
46 82 83 00-0186	EA	250' Transmitter Interconnect Cable (CiDRA CA-10-0250)	2,780.31	141.25
46 82 83 00-0187	EA	275' Transmitter Interconnect Cable (CiDRA CA-10-0275)	2,978.96	155.37
46 82 83 00-0188	EA	300' Transmitter Interconnect Cable (CiDRA CA-10-0300)	3,168.38	169.50
46 82 83 00-0189	EA	350' Transmitter Interconnect Cable (CiDRA CA-10-0350)	3,357.80	183.62
46 82 83 00-0190		**Flow Equipment (Controlotron)** *(46 82 83 00-0099)*		
46 82 83 00-0191		**Transducer** *(46 82 83 00-0190)*		
46 82 83 00-0192	EA	Spectra Transducer, Portable NEMA 4X. Model Controlotron #191-P-S	2,260.03	44.86
		For Mounting Track, Single Mount, Add	*100.00*	
		For Mounting Track, Double Mount, Add	*175.00*	
		For Carry Case Kit, Add	*150.00*	
46 82 83 00-0193	EA	Spectra Transducer, NEMA 4X, Mounting Gear Excluded. Model: Controlotron #191-N-S	1,414.02	44.86
		For Mounting Track, Single Mount, Add	*100.00*	
		For Mounting Track, Double Mount, Add	*175.00*	
		For Mounting Strap Kit For Mounting On Pipes 12" To 36", Add	*25.00*	
		For Mounting Strap Kit For Mounting On Pipes 36" To 72", Add	*30.00*	
46 82 83 00-0194	EA	Spectra Transducer, NEMA 4X. Mounting Gear Excluded, Corrosive Resistant. Model: Controlotron #191-N-SC	2,517.56	44.86
		For Corrosive Resistant Mounting Track, Single Mount, Add	*160.00*	
		For Corrosive Resistant Mounting Track, Double Mount, Add	*280.00*	
		For Mounting Strap Kit For Mounting On Pipes 12" To 36", Add	*25.00*	
		For Mounting Strap Kit For Mounting On Pipes 36" To 72", Add	*30.00*	
46 82 83 00-0195	EA	Spectra Transducer, NEMA 4X. Mounting Gear Included. Model: Controlotron #191-N1-S	1,414.02	44.86
46 82 83 00-0196	EA	Spectra Transducer, NEMA 4X. Mounting Gear Included, Corrosive Resistant. Model: #191-N1-SC	2,517.56	44.86
46 82 83 00-0197		**Transducer Cable** *(46 82 83 00-0190)*		
		Note: Same for transit time/doppler all explosion proof pricing is the same, they add a bead of silicone at the end, different model #, same price		
46 82 83 00-0198	EA	Spectra Transducer Cable, Portable Type. Model: Controlotron #192C-P-S	300.80	0.56
		For Each Additional LF Of Cable, Add	*1.50*	
46 82 83 00-0199	EA	Spectra Transducer Cable, NEMA 4. Model: Controlotron #192C-N-S	300.80	0.56
46 82 83 00-0200	EA	Spectra Transducer Cable, NEMA 4/Portable Type. Model: Controlotron #192C-NP-S	300.80	0.56
46 82 83 00-0201		**Flow Computer** *(46 82 83 00-0190)*		
46 82 83 00-0202	EA	Spectra D45 Doppler Flow Computer, NEMA 4X, Digital Graphics, RS232 Output. Model: Controlotron #194-N-D-S-2	8,636.83	113.00
		For Factory Site Set-up, Add	*100.00*	
		For Hand Held Terminal For Use With Flow Computer, Add	*850.00*	
		For Power Adapter/Battery Charger For Handheld Terminal, Add	*65.00*	
		For I/O Converter Module, Add	*490.00*	
46 82 83 00-0203	EA	Spectra Doppler Flow Computer, NEMA 7, Digital Graphics, RS232 Output. Model: Controlotron #194-X-D-S-2	14,940.08	113.00
		For Factory Site Set-up, Add	*100.00*	
		For Hand Held Terminal For Use With Flow Computer, Add	*850.00*	
		For Power Adapter/Battery Charger For Handheld Terminal, Add	*65.00*	
		For I/O Converter Module, Add	*490.00*	
46 82 83 00-0204		**Remote Digital Display** *(46 82 83 00-0190)*		
46 82 83 00-0205	EA	Spectra Remote Digital Display For Flow Computer, NEMA 4X. Model: Controlotron #996D-D-N-S	1,344.16	28.25
46 82 83 00-0206		**Transit Time Flowmeter Equipment** *(46 82 83 00-0190)*		
46 82 83 00-0207	EA	Single Channel Transit Time Flowmeter, NEMA 7X. Model: Controlotron #1010X1	10,305.96	225.99
		For Transducer And Mounting Set, Add	*1,445.00*	
		For Dedicated Transducer Cable Assembly, Add	*50.00*	
46 82 83 00-0208	EA	Double Channel Transit Time Flowmeter, NEMA 7X. Model: Controlotron #1010X1S2	13,484.66	225.99
		For Transducer And Mounting Set, Add	*1,445.00*	
		For Dedicated Transducer Cable Assembly, Add	*50.00*	
46 82 83 00-0209		**Flow Equipment (FCI)** *(46 82 83 00-0099)*		
46 82 83 00-0210		**Flow Meter** *(46 82 83 00-0209)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0211	EA	Digester And Air Gas-Calibrated Flow Meter, 316 Stainless Steel, Insertion Type, NEMA 4X, 25' Cable, 4-20mAdc, 1.25" MNPT Process Connection. Model: FCI #FCI M/N ST98-11PA02DABCF	10,197.21	56.83
		For One 1.25" FNPT Threaded Full Port Stainless Steel Ball Valve, Add	*450.00*	
		Note: Valve, Add		
		For Calibrator Kit, Add	*450.00*	
		For Each Day Of On-Site Factory Wiring Check And Flow Meter Training Class, Add	*800.00*	
		Note: Training Class, Add		
46 82 83 00-0212	EA	Natural Gas-Calibrated Flow Meter, 316 Stainless Steel, Insertion Type, NEMA 4X, 25' Cable, 4-20mAdc, 1.25" MNPT Process Connection. Model: FCI #FCI M/N ST98-11WT02DABFF	11,387.71	56.83
		For One 1.25" FNPT Threaded Full Port Stainless Steel Ball Valve, Add	*450.00*	
		Note: Valve, Add		
		For Calibrator Kit, Add	*450.00*	
		For Each Day Of On-Site Factory Wiring Check And Flow Meter Training Class, Add	*800.00*	
		Note: Training Class, Add		

46 82 83 00-0213 Flow Switches *(46 82 83 00-0209)*

46 82 83 00-0214	EA	Thermal Dispersion Flow Switch, 316 Stainless Steel, 3/4" MNPT Process Connection, NEMA 4X. Model: FCI #FCI M/N FLT93S-1B1A103C1A01000	2,217.33	29.92

46 82 83 00-0215 Flow Conditioners *(46 82 83 00-0209)*

46 82 83 00-0216	EA	2" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	1,228.86	86.75
46 82 83 00-0217	EA	3" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	1,378.70	134.60
46 82 83 00-0218	EA	4" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	1,788.55	217.75
46 82 83 00-0219	EA	6" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	2,778.74	239.29
46 82 83 00-0220	EA	8" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	6,207.20	358.94
46 82 83 00-0221	EA	10" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	8,143.75	418.64
46 82 83 00-0222	EA	12" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	8,593.67	508.38
46 82 83 00-0223	EA	14" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	11,614.32	597.99
46 82 83 00-0224	EA	16" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	12,665.43	717.63
46 82 83 00-0225	EA	18" Diameter Pipe Flow Conditioner, Insertion Sleeve Type 316 Stainless Steel. Model: FCI #FCI M/N VISXXXX2100	15,572.35	750.42

46 82 83 00-0226 Flow Equipment (Eldridge) *(46 82 83 00-0099)*

46 82 83 00-0227 Insertion MP Series Flowmeters *(46 82 83 00-0226)*

Note: • CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C • ENCLOSURE: (Select Remote enclosure type: REM, ACEX, DCEX) • Accuracy including linearity (Ref.: 21°C): ± (1% of Reading + 0.5% of Full Scale + GTC) • Repeatability ± 0.2% of Full Scale • Turn down ratio 100:1 at 15 SFPM (.076 NMS) Minimum Reading • Ambient electronics temperature range -40° to 158°F (-40° to 50°C) • Gas temperature range -40° to 392°F (-40° to 200°C) • EPICom Windows based communication software (RS232, RS485 or USB) • EPI-Val Field Calibration Validation • INTEGRAL Electronics; 2-line 16 character display and 4-button keypad; Output 4-20mA, 0-5 Volt DC (2nd 4-20mA available); RS232 and RS485 Modbus RTU; Probe 1/2" OD • REMOTE Flow Indicator Transmitter (FT/FIT) - Remote Enclosure (10" x 8"); with 2-line 16 character LCD display and 4-button keypad; Output 4-20mA, 0-5 Volt DC (2nd 4-20mA available), two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; Signal Interface - RS232 and RS485 Modbus RTU; 24 Volt DC (Standard)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0228	EA	1/2" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8840MP-SSS-133)	5,619.66	40.30
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0229	EA	3/4" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8860MP-SSS-133)	6,123.38	54.59
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0230	EA	1" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Insertion Flowmeter With Integral Electronics (Eldridge 8880MP-SSS-133)	6,623.11	62.39
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For 72" 316L Stainless Steel Probe, Add	*288.41*	
		For 84" 316L Stainless Steel Probe, Add	*329.62*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0231	EA	1/2" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8240MP-SSS-133)	6,546.70	40.30
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0232	EA	3/4" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8260MP-SSS-133)	7,050.43	54.59
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0233	EA	1" Outside Diameter Probe, 0-5 Volt DC, 4-20mA Outputs, RS485 Modbus RTU, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT), Insertion Flowmeter With Remote Electronics (Eldridge 8280MP-SSS-133)	7,550.15	62.39
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type SSH, Add	*3,697.88*	
		Note: Available for insertion meters only Available for AIR, Stack/Exhaust gas only (Consult facory if other) 316 Stainless Steel High Temperature 400 to 800°F (Insertion probe limited to 3/4", 1" diameter) Non-certified product, No Approvals		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For 6" Probe, Add	*20.60*	
		For 12" 316L Stainless Steel Probe, Add	*41.20*	
		For 18" 316L Stainless Steel Probe, Add	*82.40*	
		For 24" 316L Stainless Steel Probe, Add	*123.61*	
		For 36" 316L Stainless Steel Probe, Add	*164.81*	
		For 48" 316L Stainless Steel Probe, Add	*206.01*	
		For 60" 316L Stainless Steel Probe, Add	*247.21*	
		For 72" 316L Stainless Steel Probe, Add	*288.41*	
		For 84" 316L Stainless Steel Probe, Add	*329.62*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1502, Add	*236.91*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1503, Add	*257.51*	
		For 1" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1504, Add	*278.11*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1505, Add	*309.02*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1506, Add	*339.92*	
		For 2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1508, Add	*401.72*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1510, Add	*473.82*	
		For 3" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1512, Add	*556.23*	
		For 4" Flange, 150 Lb. ANSI Flange welded to probe, Mounting Type FBL1516, Add	*803.44*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3002, Add	*319.32*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3003, Add	*350.22*	
		For 1" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3004, Add	*381.12*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3005, Add	*412.02*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3006, Add	*463.52*	
		For 2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3008, Add	*535.63*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3010, Add	*648.93*	
		For 3" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3012, Add	*751.94*	
		For 4" Flange, 300 Lb. ANSI Flange welded to probe, Mounting Type FBL3016, Add	*1,102.15*	
		For Additional Hardware Options, Add	*1,102.15*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	

46 82 83 00-0234 Inline MP Series Flowmeters *(46 82 83 00-0226)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0235	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1/4" Outside Diameter x 6" Length Pipe (Eldridge 8036MP-SSS-133)	6,554.31	32.50
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0236	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3/8" Outside Diameter x 6" Length Pipe (Eldridge 8049MP-SSS-133)	6,581.41	36.39
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0237	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1/2" Outside Diameter x 7" Length Pipe (Eldridge 8059MP-SSS-133)	6,608.51	38.99
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0238	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3/4" Outside Diameter x 7" Length Pipe (Eldridge 8069MP-SSS-133)	6,659.01	54.59
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0239	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1" Outside Diameter x 8" Length Pipe (Eldridge 8089MP-SSS-133)	6,705.51	62.39
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0240	EA	0-5 Volt DC, 4-20mA Ouputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1-1/4" Outside Diameter x 10" Length Pipe (Eldridge 8110MP-SSS-133)	6,767.61	77.99
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0241	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 1-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8112MP-SSS-133)	6,829.70	93.59
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0242	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 2" Outside Diameter x 14" Length Pipe (Eldridge 8116MP-SSS-133)	6,912.40	109.19
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0243	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 2-1/2" Outside Diameter x 14" Length Pipe (Eldridge 8120MP-SSS-133)	7,014.40	123.49
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0244	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 3" Outside Diameter x 14" Length Pipe (Eldridge 8124MP-SSS-133)	9,186.81	139.09
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0245	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Mounted Master-Touch™ Flow Element/Flow Transmitter (FE/FT), Stainless Steel, Inline Flowmeter With Remote Electronics For 4" Outside Diameter x 14" Length Pipe (Eldridge 8132MP-SSS-133)	10,208.32	232.68
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0246	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1/4" Ouitside Diameter x 6" Length Pipe (Eldridge 8636MP-SSS-133)	5,719.96	32.50
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0247	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3/8" Ouitside Diameter x 6" Length Pipe (Eldridge 8649MP-SSS-133)	5,747.07	36.39
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0248	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1/2" Ouitside Diameter x 7" Length Pipe (Eldridge 8659MP-SSS-133)	5,774.17	38.99
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0249	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3/4" Ouitside Diameter x 7" Length Pipe (Eldridge 8669MP-SSS-133)	5,824.67	54.59
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0250	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1" Ouitside Diameter x 8" Length Pipe (Eldridge 8689MP-SSS-133)	5,871.17	62.39
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0251	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1-1/4" Ouitside Diameter x 10" Length Pipe (Eldridge 8710MP-SSS-133)	5,933.27	77.99
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0252	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 1-1/2" Ouitside Diameter x 14" Length Pipe (Eldridge 8712MP-SSS-133)	5,995.36	93.59
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0253	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 2" Ouitside Diameter x 14" Length Pipe (Eldridge 8716MP-SSS-133)	6,078.06	109.19
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0254	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 2-1/2" Ouitside Diameter x 14" Length Pipe (Eldridge 8720MP-SSS-133)	6,180.06	123.49
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0255	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 3" Ouitside Diameter x 14" Length Pipe (Eldridge 8724MP-SSS-133)	8,465.78	139.09
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0256	EA	0-5 Volt DC, 4-20mA Outputs, RS232/RS485 Modbus RTU, Inline, Mounted Master-Touch Flow Element/Flow Indicator Transmitter (FE/FIT) Inline Flowmeter With Integral Electronics For 4" Ouitside Diameter x 14" Length Pipe (Eldridge 8732MP-SSS-133)	9,487.29	232.68
		For Enclosure Type DCEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) DCEX double-sided, explosion-proof remote enclosure for DC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; two 1 amperes at 30 Volt DC Relays, user selectable alarm functions; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Enclosure Type ACEX, Add	*607.73*	
		Note: REMOTE - Flow Indicator Transmitter (FT/FIT) ACEX double-sided, explosion-proof remote enclosure for AC input power with 2" pipe mounting bracket assembly; 2-line 16 character display/4-button keypad; 0-5 Volt DC (2nd 4-20mA available), 4-20mA outputs; RS485 Modbus RTU; For use in Hazardous Area Locations; CSA/CUS T2 Approved Instrument — For use in hazardous area locations; Class I Division 1, Group B, C, D; Class II Group E, F, G; Class III; Enclosure Type 4X; Class I Zone I; AEx d IIB+H2 IP66; Ex d IIB+H2 IP66; T2; Ta = 0°C to 50°C		
		For Sensor Type HAS, Add	*4,079.00*	
		Note: C276 Hastelloy up to 400°F (Consult factory, other wetted parts may be needed) (Insertion probe 1/2", 3/4", 1" diameter)		
		For Display and Keypad - Flow Indicator Transmitter (FIT), Type 133, Add	*309.02*	
		For Power Option AC115 (115 VAC), Add	*381.12*	
		For Power Optin AC230 (230 VAC), Add	*381.12*	
		For Option MW075 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (167°F / 75°C), Add	*123.61*	
		For Option MW100 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (212°F / 100°C), Add	*447.04*	
		For Option MW125 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (257°F / 125°C), Add	*772.54*	
		For Option MW150 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (302°F / 150°C), Add	*1,095.97*	
		For Option MW175 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (347°F / 175°C), Add	*1,421.47*	
		For Option MW200 AIR, Stack/Exhaust gas only, Gas Temperature Maximum (392°F / 200°C), Add	*1,744.90*	
		For Air Gas Option (pressure above 125 PSI), AIR, Add	*334.89*	
		For Argon Gas Option (pressure above 125 PSI), AR, Add	*606.66*	
		For Carbon Dioxide Gas Option (pressure above 125 PSI), CO2, Add	*433.44*	
		For Ethane Gas Option (pressure above 125 PSI), C2H6, Add	*1,386.12*	
		For Ethylene Gas Option (pressure above 125 PSI), C2H4, Add	*1,386.12*	
		For Helium Gas Option (pressure above 125 PSI), He, Add	*1,334.62*	
		For Methane Gas Option (pressure above 125 PSI), CH4, Add	*957.95*	
		For Methane and Carbon Dioxide - Mix Gas Option (pressure above 125 PSI), CH4/CO2, Add	*1,086.83*	
		For Natural Gas (Methane Substitute) Gas Option (pressure above 125 PSI), Nat. Gas, Add	*957.95*	
		For Nitrogen Gas Option (pressure above 125 PSI), N2, Add	*304.57*	
		For O2 (Air Substitute) Gas Option (pressure above 125 PSI), O2, Add	*334.89*	
		For Propane Gas Option (pressure above 125 PSI), C2H8, Add	*675.38*	
		For 1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1502, Add	*473.82*	
		For 3/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1503, Add	*515.02*	
		For 1" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1504, Add	*566.53*	
		For 1-1/4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1505, Add	*607.73*	
		For 1-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1506, Add	*679.83*	
		For 2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1508, Add	*793.14*	
		For 2-1/2" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1510, Add	*947.65*	
		For 3" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1512, Add	*1,112.45*	
		For 4" Flange, 150 Lb. ANSI Flange welded to flow body, Mounting Type FSW1516, Add	*1,617.18*	
		For 1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3002, Add	*648.93*	
		For 3/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3003, Add	*710.73*	
		For 1" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3004, Add	*772.54*	
		For 1-1/4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3005, Add	*834.34*	
		For 1-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3006, Add	*916.74*	
		For 2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3008, Add	*1,081.55*	
		For 2-1/2" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3010, Add	*1,297.86*	
		For 3" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3012, Add	*1,514.17*	
		For 4" Flange, 300 Lb. ANSI Flange welded to flow body, Mounting Type FSW3016, Add	*2,194.01*	

46 82 83 00-0257 Options And Accessories For MP Series Flowmeters *(46 82 83 00-0226)*

46 82 83 00-0258	LF	10' To 99' Cable Length Between FE/FT And Remote FT/FIT (Eldridge CBL)	4.12
46 82 83 00-0259	EA	Stainless Steel Identification Tag (Eldridge TAG)	92.70
46 82 83 00-0260	EA	HART Communications Module (Eldridge HART)	607.73
46 82 83 00-0261	EA	Profibus DP Communications Module (Eldridge Profibus DP)	607.73
46 82 83 00-0262	EA	1/2" Tube x 1/2" MNPT, Compression Fitting (Eldridge TPM0808S)	133.91
46 82 83 00-0263	EA	1/2" Tube x 3/4" MNPT, Compression Fitting (Eldridge TPM0812S)	175.11
46 82 83 00-0264	EA	3/4" tube x 3/4" MNPT, Compression Fitting (Eldridge TPM1212S)	206.01
46 82 83 00-0265	EA	3/4" tube x 1" MNPT, Compression Fitting (Eldridge TPM1216S)	370.82
46 82 83 00-0266	EA	1" tube x 1" MNPT, Compression Fitting (Eldridge TPM1616S)	360.52
46 82 83 00-0267	EA	1/2" Probe Bore/Seal x 3/4" NPT x 10" Long, Ball Valve (Eldridge BVR0812T)	854.94
46 82 83 00-0268	EA	3/4" Probe Bore/Seal x 1" NPT x 11" Long, Ball Valve (Eldridge BVR1216T)	1,102.15
46 82 83 00-0269	EA	1" Probe Bore/Seal x 1-1/4" NPT x 12" Long, Ball Valve (Eldridge BVR1620T)	2,214.61
46 82 83 00-0270	EA	Ball Valve Retractor Assembly With Medium Pressure Extractor Assembly For 1/2" Outside Diameter Probe (Eldridge MPR0812)	9,270.45

46 82 83 00-0271 Flow Equipment (Flexim) *(46 82 83 00-0099)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0272	EA	Large Pipe Ultrasonic Flow Meter Solution (Flexim 7407MC.LARGE.DEP) Note: Includes one ADM 7407 Dual Channel Permanent Flowmeter (FLUXUS Type F704) With NEMA 4X with LCD display and keypad; 2 x 4 to 20mA active outputs, 3 x solid state relay; and 100 to 240 VAC, RS-232 and data logger standard. Includes pair of type G clamp-on flow transducers With pipe diameter range 12" to 255", with 16.4' cable; temperature -40 to +266 degree F, includes coupling pads; type: CDG1N52; and calibration is traceable to NIST and A2LA/ISO 17025 accredited. Includes permaLok type K, G, H mounting track with stainless steel SS304 track and SOLID BAND strap kit; DIRECT/REFLECT mount installation in two tracks; and pipe diameter range of 12" to 100".	27,220.58	335.01
46 82 83 00-0273	EA	Small Pipe Ultrasonic Flow Meter Solution (Flexim 7407SC.SMALL.DEP) Note: Includes one ADM 7407 Single Channel Permanent Flowmeter (FLUXUS Type F704) With NEMA 4X with LCD display and keypad; 1 x 4 to 20mA active outputs, 3 x solid state relay; and 100 to 240 VAC, RS-232 and data logger standard. Includes pair of type M clamp-on flow transducers With pipe diameter range 4" to 24", with 13.1' cable; temperature -40 to +266 degree F, includes coupling pads; type: CDM2N52; and calibration is traceable to NIST and A2LA/ISO 17025 accredited. Includes permaLok type M/P mounting track with stainless steel SS304 track and strapping; DIRECT/REFLECT mount installation in two tracks; and pipe diameter range of 3" to 12".	13,496.19	335.01
46 82 83 00-0274	LF	Extension Cable (Flexim DUAL TRIAX Xdcr) Note: Includes two inner conductor Triaxil shielded cable, 0.50" Max OD with halogen free FRNC, ONE cable required per transducer pair; full reel length 2000'.	9.03	0.45
46 82 83 00-0275	EA	J-Box For Cable Extension Of FLOW Sensor (Flexim) Note: Stainless Steel 316 construction; standard TS connection; IP 67 / NEMA 6 (submersible to 1 meter)	638.13	56.40
46 82 83 00-0276		Flow Equipment (Foxboro) *(46 82 83 00-0099)*		
46 82 83 00-0277		Magnetic Flow Meters For Chlorine Service *(46 82 83 00-0276)*		
46 82 83 00-0278	EA	1" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	4,502.21	43.67
46 82 83 00-0279	EA	2" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	5,046.03	86.75
46 82 83 00-0280	EA	3" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	5,370.47	134.60
46 82 83 00-0281	EA	4" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	6,203.11	217.75
46 82 83 00-0282	EA	6" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	8,328.05	239.29
46 82 83 00-0283	EA	8" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	12,913.35	358.94
46 82 83 00-0284	EA	10" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	17,431.59	418.64
46 82 83 00-0285	EA	12" Diameter Pipe Magnetic Flowtube (Meter), For Chlorine Service, 304 Stainless Steel, Polytetrafluoroethylene (PTFE) Lining Material, Titanium Electrodes, NEMA 4, Remote Transmitter. Model: Foxboro Company #93XA-SIBA-TTJ-GN	21,090.15	508.38
46 82 83 00-0286		Magnetic Flow Meters For Raw Sewage Service *(46 82 83 00-0276)*		
46 82 83 00-0287	EA	12" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	18,161.31	508.38
46 82 83 00-0288	EA	14" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	23,872.84	597.99
46 82 83 00-0289	EA	16" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	27,588.83	717.63
46 82 83 00-0290	EA	18" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	31,337.07	750.42
46 82 83 00-0291	EA	24" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	42,360.30	1,011.84
46 82 83 00-0292	EA	30" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	78,764.31	1,615.10
46 82 83 00-0293	EA	36" Diameter Pipe Magnetic Flowtube (Meter), Foxboro Company #93XA-SIBA-ASJ-GM	91,464.63	3,230.19
46 82 83 00-0294		Magnetic Flow Transmitter *(46 82 83 00-0276)*		
46 82 83 00-0295	EA	Magnetic Flow Transmitter, Surface Mounting, HART Protocol, Model: Foxboro Company #IMT25-SEATA10M or N	3,500.17	44.86
46 82 83 00-0296		Flow Equipment (Kates) *(46 82 83 00-0099)*		
46 82 83 00-0297		316 Stainless Steel Automatic Flow Rate Controllers *(46 82 83 00-0296)*		
46 82 83 00-0298	EA	0.02 - 0.5 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #AB11T-B Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.	4,020.48	29.92
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, 316 Stainless Steel Connection, Add	*410.00*	
46 82 83 00-0299	EA	0.05 - 1 GPM 316 Stainless Steel Stainless Steel Automatic Flow Rate Controller, Kates #BB11T-B Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.	4,020.48	29.92
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, 316 Stainless Steel Connection, Add	*410.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0300	EA	0.1 - 3 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #CB11T-B	4,020.48	29.92
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, 316 Stainless Steel Connection, Add	*410.00*	
46 82 83 00-0301	EA	1 - 5 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #EB11T-B	4,438.16	40.08
		Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, 316 Stainless Steel Connection, Add	*460.00*	
46 82 83 00-0302	EA	1 - 12 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #FB11T-B	4,438.16	40.08
		Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, 316 Stainless Steel Connection, Add	*460.00*	
46 82 83 00-0303	EA	1 - 25 GPM 316 Stainless Steel Automatic Flow Rate Controller, Kates #GB11T-B	4,438.16	40.08
		Note: 10 - 150 PSI differential pressure range, 3/4" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, 316 Stainless Steel Connection, Add	*460.00*	
46 82 83 00-0304		**Polyvinyl Chloride (PVC) Automatic Flow Rate Controllers** *(46 82 83 00-0296)*		
46 82 83 00-0305	EA	0.02 - 0.5 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #AC11T-B	3,953.73	29.92
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*400.00*	
46 82 83 00-0306	EA	0.05 - 1 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #BC11T-B	3,953.73	29.92
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*400.00*	
46 82 83 00-0307	EA	0.1 - 3 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #CC11T-B	3,953.73	29.92
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 1/2" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*400.00*	
46 82 83 00-0308	EA	1 - 5 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #EC11T-B	4,371.40	40.08
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*430.00*	
46 82 83 00-0309	EA	1 - 12 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #FC11T-B	4,371.40	40.08
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*430.00*	
46 82 83 00-0310	EA	1 - 25 GPM Polyvinyl Chloride (PVC) Automatic Flow Rate Controller, Kates #GC11T-B	4,371.40	40.08
		Note: 10 - 150 PSI differential pressure range, 1/2" FNPT connections, teflon seals, and dial lock device.		
		For Actuator, Worcester #AW14 With Peaktronics Controls, 120 Volt AC, Add	*2,060.00*	
		Note: 120 VAC, Add		
		For 3/4" Raised Flange, Polyvinyl Chloride (PVC) Connection, Add	*430.00*	
46 82 83 00-0311		**Flow Equipment (Krohne)** *(46 82 83 00-0099)*		
		Note: Non-explosives areas, hardrubber lining, Hastelloy C22 exchangeable electrodes, IP 67 protection category, two stainless steel grounding rings, separate with aluminum connection box, 30' of connecting cable for remote connection to signal converter.		
46 82 83 00-0312	EA	1" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1444A04123211010600)	2,090.93	89.74
46 82 83 00-0313	EA	1-1/2" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1446A04123211010600)	2,135.48	125.63
46 82 83 00-0314	EA	2" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB1447A04123211010600)	2,130.82	159.49
46 82 83 00-0315	EA	3" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144AA04123211010600)	2,247.45	203.40
46 82 83 00-0316	EA	4" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144BA04123211010600)	2,780.62	340.99
46 82 83 00-0317	EA	5" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144CA04123211010600)	3,083.06	387.65
46 82 83 00-0318	EA	6" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144DA04123211010600)	3,417.31	430.72
46 82 83 00-0319	EA	8" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144EA04123211010600)	4,694.92	550.37
46 82 83 00-0320	EA	10" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144FA04123211010600)	5,934.24	670.01
46 82 83 00-0321	EA	12" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144GA04123211010600)	6,234.86	813.59
46 82 83 00-0322	EA	14" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144HA04123211010600)	7,894.94	903.76
46 82 83 00-0323	EA	16" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144KA04123211010600)	9,695.99	677.71
46 82 83 00-0324	EA	18" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144LA04123211010600)	11,692.52	1,102.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0325	EA	20" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144MA04123211010600)	13,228.73	1,242.67
46 82 83 00-0326	EA	24" 150 LB Carbon Steel RF Flanges, Electro Magnetic Flow Sensor ENVIROMAG 2000F (Krohne VB144NA04123211010600)	17,132.93	1,525.10
46 82 83 00-0327	EA	Signal Converter For Electromagnetic Flowmeters IFC100 (Krohne VN314NA0430010100003)	1,811.85	56.48
		For FM Class 1, Div 2, Add	*116.61*	
		For Stainless Steel Converter Box, Add	*42.40*	
46 82 83 00-0328	EA	Signal Converter For Electromagnetic Flowmeters IFC300 (Krohne VN304NA0430010100000)	2,623.85	56.48
		For FM Class 1, Div 2, Add	*116.61*	
		For Stainless Steel Converter Box, Add	*42.40*	

46 82 83 00-0329 Flow Equipment (Kurz) *(46 82 83 00-0099)*

46 82 83 00-0330 Flow Meters *(46 82 83 00-0329)*

Note: Drill hole and install

46 82 83 00-0331	EA	Various Gases, Calibrated Flow Meter (Kurz 454FTB)	7,230.69	74.78
		Note: 316 stainless steel sensor support, 115 VAC, enclosure attached to sensor. For 2" to 36" diameter pipe.		
		For Remote Electronics, Add	*807.76*	
		For 24 Volt DC Power, Deduct	*-483.38*	
46 82 83 00-0332	EA	Wet Digester Gas, Calibrated Flow Meter (Kurz 454FTB-WGF)	8,850.45	74.78
		Note: 316 stainless steel sensor support, 115 V AC, enclosure attached to sensor. For 2" to 36" diameter pipe.		
		For Remote Electronics, Add	*807.76*	
		For 24 Volt DC Power, Deduct	*-483.38*	

46 82 83 00-0333 Flow Equipment (Micronics) *(46 82 83 00-0099)*

46 82 83 00-0334 Ultrasonic Portable *(46 82 83 00-0333)*

46 82 83 00-0335	EA	1/2" To 4-1/2", 20 Hour, Type A, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 220)	8,127.49	149.56
46 82 83 00-0336	EA	2" To 40", 20 Hour, Type B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 220)	9,244.94	167.50
46 82 83 00-0337	EA	1/2" To 4-1/2", 20 Hour, Type A-Only, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330)	13,457.21	239.29
46 82 83 00-0338	EA	2" To 79", 20 Hour, Type B-Only, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330)	13,481.14	251.26
46 82 83 00-0339	EA	1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330)	14,960.77	275.19
46 82 83 00-0340	EA	1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330HT)	16,437.07	287.15
46 82 83 00-0341	EA	1/2" To 78", 20 Hour, Type A+B, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 330IP68)	16,472.96	305.10
46 82 83 00-0342	EA	2" To 78", 20 Hour, Clamp-On Portable Flowmeter (Micronics PORTAFLOW 440IP)	15,707.39	293.13

46 82 83 00-0343 Ultrasonic Portable Spares *(46 82 83 00-0333)*

46 82 83 00-0344	EA	Type A Sensor For PORTAFLOW 330HT	2,307.31
46 82 83 00-0345	EA	Type B Sensor For PORTAFLOW 330HT	2,307.31
46 82 83 00-0346	EA	Type A Sensor For PORTAFLOW 330IP68	2,307.31
46 82 83 00-0347	EA	Type B Sensor For PORTAFLOW 330IP68	2,307.31
46 82 83 00-0348	EA	Type B Spare Transducer For PORTAFLOW 220 And 330	1,596.58
46 82 83 00-0349	EA	Type A Spare Transducer For PORTAFLOW 220 And 330	1,596.58
46 82 83 00-0350	EA	Type B Spare Transducer For PORTAFLOW 440	2,307.31
46 82 83 00-0351	EA	Type D Sensor	4,449.82
46 82 83 00-0352	EA	Keypad For PORTAFLOW 330	115.37
46 82 83 00-0353	EA	Keypad For PORTAFLOW 220	115.37
46 82 83 00-0354	EA	Pulse Cable Assembly For PORTAFLOW 220 And 330	138.03
46 82 83 00-0355	EA	RS232 Cable Assembly For PORTAFLOW 330	181.29
46 82 83 00-0356	EA	USB Cable Assembly For PORTAFLOW 330	181.29
46 82 83 00-0357	EA	2 Meter, Red Transducer Cable For PORTAFLOW 220 And 330	181.29
46 82 83 00-0358	EA	2 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330	181.29
46 82 83 00-0359	EA	5 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330	168.93
46 82 83 00-0360	EA	5 Meter, Red Transducer Cable For PORTAFLOW 220 And 330	168.93
46 82 83 00-0361	EA	10 Meter, Red Transducer Cable For PORTAFLOW 220 And 330	197.77
46 82 83 00-0362	EA	10 Meter, Blue Transducer Cable For PORTAFLOW 220 And 330	197.77
46 82 83 00-0363	EA	Carry Case With Foam For PORTAFLOW 330	920.86
46 82 83 00-0364	EA	Carry Case With Foam For PORTAFLOW 220	525.33
46 82 83 00-0365	EA	Carry Case And Foam With Blank Grey Clips For PORTAFLOW 220	494.42
46 82 83 00-0366	EA	Engraved, Metric Gudie Rail Ruler For PORTAFLOW 220 And 330	181.29
46 82 83 00-0367	EA	1.6mm X 13mm, Zinc, Starihgt Link Chain	8.24
46 82 83 00-0368	EA	Battery For PORTAFLOW 220 And 330	395.54
46 82 83 00-0369	EA	Transducer Test Block For PORTAFLOW 220 And 330	273.99
46 82 83 00-0370	EA	Stainless Steel Guide Rail Assembly With Ruler And Chain For PORTAFLOW 220 And 330	1,524.47
46 82 83 00-0371	EA	Stainless Steel Guide Rail Assembly With Ruler And Chain For PORTAFLOW 440IP	1,524.47
46 82 83 00-0372	EA	Stainless Steel Guide Rail Assembly For PORTAFLOW 220 And 330	576.83
46 82 83 00-0373	EA	Stainless Steel Guide Rail Assembly For PORTAFLOW 440	576.83
46 82 83 00-0374	EA	85 GM, Superlube Grease	76.22
46 82 83 00-0375	EA	Portable Heat Meter	4,851.54
46 82 83 00-0376	EA	AC Adapter Kit For PORTAFLOW 440IP	168.93
46 82 83 00-0377	EA	AC Adapter Kit For PORTAFLOW 220 And 330	168.93
46 82 83 00-0378	EA	M3 x 12mm, Stainless Steel, Thumb Screw For Ruler	12.36
46 82 83 00-0379	EA	M5 x 25mm, Stainless Steel, Thumb Screw For Transducer	12.36

46 82 83 00-0380 Ultrasonic Permanent *(46 82 83 00-0333)*

46 82 83 00-0381	EA	Pulse And 4-20 mA Universal Transmitter (Micronics ULTRAFLO 1000)	3,843.78	67.80
46 82 83 00-0382	EA	Pulse And Modbus BTU Meter (Micronics ULTRAFLO 1000)	5,000.43	84.75
46 82 83 00-0383	EA	110/240 Volt AC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,110.87	141.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0384	EA	24 Volt DC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,110.87	141.25
46 82 83 00-0385	EA	110/240 Volt AC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,860.16	155.93
46 82 83 00-0386	EA	24 Volt DC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,860.16	155.93
46 82 83 00-0387	EA	110/240 Volt AC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,860.16	155.93
46 82 83 00-0388	EA	24 Volt DC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,860.16	155.93
46 82 83 00-0389	EA	110/240 Volt AC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,921.96	155.93
46 82 83 00-0390	EA	24 Volt DC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	8,921.96	155.93
46 82 83 00-0391	EA	110/240 Volt AC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,671.25	169.50
46 82 83 00-0392	EA	24 Volt DC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,671.25	169.50
46 82 83 00-0393	EA	110/240 Volt AC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,671.25	169.50
46 82 83 00-0394	EA	24 Volt DC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	9,671.25	169.50
46 82 83 00-0395	EA	110/240 Volt AC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	10,120.82	178.54
46 82 83 00-0396	EA	24 Volt DC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 3000)	10,120.82	178.54
46 82 83 00-0397	EA	110/240 Volt AC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	9,609.45	169.50
46 82 83 00-0398	EA	24 Volt DC, Type A, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	9,609.45	169.50
46 82 83 00-0399	EA	110/240 Volt AC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,301.57	180.80
46 82 83 00-0400	EA	24 Volt DC, Type A-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,301.57	180.80
46 82 83 00-0401	EA	110/240 Volt AC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,301.57	180.80
46 82 83 00-0402	EA	24 Volt DC, Type A-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,301.57	180.80
46 82 83 00-0403	EA	110/240 Volt AC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,410.23	184.19
46 82 83 00-0404	EA	24 Volt DC, Type B, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	10,410.23	184.19
46 82 83 00-0405	EA	110/240 Volt AC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,159.51	197.75
46 82 83 00-0406	EA	24 Volt DC, Type B-IP68, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,159.51	197.75
46 82 83 00-0407	EA	110/240 Volt AC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,159.51	197.75
46 82 83 00-0408	EA	24 Volt DC, Type B-HT, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,428.34	203.40
46 82 83 00-0409	EA	110/240 Volt AC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,428.34	203.40
46 82 83 00-0410	EA	24 Volt DC, Type D, Ultrasonic Flow Transmitter (Micronics ULTRAFLO 4000)	11,428.34	203.40
46 82 83 00-0411	EA	Diagonal Guide Rail For Type B Sensors	728.68	14.69

46 82 83 00-0412 Ultrasonic Permanent Spares *(46 82 83 00-0333)*

46 82 83 00-0413	EA	1/2" To 4-1/2", Type A, Spare Transducer	1,596.58	
46 82 83 00-0414	EA	2" To 79", Type B, Spare Transducer	1,771.69	
46 82 83 00-0415	EA	1/2" To 4-1/2", Type A-HT, Sensor	2,307.31	
46 82 83 00-0416	EA	1/2" To 4-1/2", Type A-IP68, Waterproof Sensor	2,307.31	
46 82 83 00-0417	EA	2" To 79", Type B-HT Sensor	2,492.72	
46 82 83 00-0418	EA	2" To 79", Type B-IP68, Waterproof Sensor	2,492.72	
46 82 83 00-0419	EA	59" To 196", Type D, Sensor	4,449.82	
46 82 83 00-0420	EA	IP68 Red Cable Meter	26.78	
46 82 83 00-0421	EA	IP68 Blue Cable Meter	26.78	
46 82 83 00-0422	EA	100 - 240 Volt Stepdown Transformer To 24V	92.70	
46 82 83 00-0423	LF	RG223/U Coax Cable	10.30	
46 82 83 00-0424	EA	5M Sensor Cable Assembly	168.93	
46 82 83 00-0425	EA	10M Sensor Cable Assembly	238.97	
46 82 83 00-0426	EA	15M Sensor Cable Assemb;y	387.30	
46 82 83 00-0427	EA	20M Sensor Cable Assembly	484.12	
46 82 83 00-0428	EA	5M Waterproof Sensor Cable Assembly	280.17	
46 82 83 00-0429	EA	10M Waterproof Sensor Cable Assembly	381.12	
46 82 83 00-0430	EA	Red, External HT Signal Cable Assembly	63.86	
46 82 83 00-0431	EA	Blue, External HT Signal Cable Assembly	63.86	
46 82 83 00-0432	EA	OMEGA 38 Grease In Syringe	20.60	
46 82 83 00-0433	EA	OMEGA 71 Grease In Syringe	20.60	
46 82 83 00-0434	EA	U1000 And U1000HM Gel Pad	4.12	
46 82 83 00-0435	EA	Calec With Modbus	3,975.99	
46 82 83 00-0436	EA	Claec With Bacnet And PT probes	5,315.06	
46 82 83 00-0437	EA	110 Volt AC, Calec With Pulse Output	2,863.54	
46 82 83 00-0438	EA	Battery Operated, Calec With Pulse Output	2,781.14	
46 82 83 00-0439	EA	Clamp-On Temperature Sensors	741.64	

46 82 83 00-0440 Doppler *(46 82 83 00-0333)*

46 82 83 00-0441	EA	Stingray, Portable, Level-Velocity Logger	10,740.84	189.83
46 82 83 00-0442	EA	Portable Doppler Flow Meter (Micronics PDFM-5.0)	11,405.07	212.97
46 82 83 00-0443	EA	Doppler Flow Monitor (Micronics DFM-5.0)	6,039.12	105.09
46 82 83 00-0444	EA	Open Channel Flow Monitor (Micronics OC5000)	7,000.07	122.03
46 82 83 00-0445	EA	Level And Flow Monitor (Micronics SLT-5.0)	5,409.80	99.44
46 82 83 00-0446	EA	Doppler Flow Switch (Micronics DFS-II)	2,289.06	42.94
46 82 83 00-0447	EA	Level Indicating Transmitter (Micronics LIT25)	3,264.95	56.50
46 82 83 00-0448	EA	Pump Station Level Controller (Micronics PSL)	6,406.29	113.00
46 82 83 00-0449	EA	Differential Level Transmitter (Micronics UF DL5000)	9,139.28	161.59
46 82 83 00-0450	EA	Area-Velocity Flow Meter (Micronics UF AV5000)	9,986.92	178.54
46 82 83 00-0451	EA	Portable, Ultrasonic Depth Meter And Thickness Gauge	1,067.68	19.21

46 82 83 00-0452 Flow Equipment (Panametrics) *(46 82 83 00-0099)*

46 82 83 00-0453 Transit-Time Clamp-On Ultrasonic Flow Meter *(46 82 83 00-0452)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0454	EA	Transit-Time Clamp On Ultrasonic Flowmeter, NEMA 4X, Data Logging Capability, Two 4-20 mA Outputs, One RS232 Output, 120 Volt AC Power With Clamp-On Transducers, Clamping Fixtures And Permanent Solid Couplant. Panametrics #DF868	11,535.53	141.25
		For NEMA 7 Explosion-Proof Meter, Add	*2,235.00*	
		For Transflexion Measurement Technique For High Solid Concentration Measurement, Add	*360.00*	
		For Clamping Fixtures For Installation On Pipe >24", Add	*60.00*	
		For Additional Four 4-20mA Outputs, Add	*360.00*	
		For Additional Eight 4-20mA Outputs, Add	*720.00*	
46 82 83 00-0455		Flow Equipment (Polysonics) *(46 82 83 00-0099)*		
46 82 83 00-0456		Transit Time Flowmeter *(46 82 83 00-0455)*		
46 82 83 00-0457	EA	Dedicated Transit Time Flowmeter, NEMA 4X, 0-50 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #DCT6088	11,253.87	74.78
46 82 83 00-0458	EA	Portable Transit Time Flowmeter, NEMA 4X, 0.055-50 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #DCT7088	14,405.13	74.78
46 82 83 00-0459		Ultrasonic Level System *(46 82 83 00-0455)*		
46 82 83 00-0460	EA	Dedicated Dual Frequency Doppler Flowmeter, NEMA 4X, 0.02-32 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #SX40-1-1-30A	10,149.35	59.82
46 82 83 00-0461	EA	Portable Dual Frequency Doppler Flowmeter, NEMA 4X, 0.02-32 Ft/Sec Range, 4-20mA And RS232 Outputs, Transducers With 30' Interconnect Cable. Model: PEEK Polysonics #SX30-1-16A	17,452.79	59.82
46 82 83 00-0462		Flow Equipment (Rosemount) *(46 82 83 00-0099)*		
46 82 83 00-0463		Magnetic Flowmeters, Polyurethane Lining Magnetic Flowmeter *(46 82 83 00-0462)* Note: Flowtube model 8707		
46 82 83 00-0464	EA	3" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	5,405.63	192.09
46 82 83 00-0465	EA	4" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	6,336.95	322.05
46 82 83 00-0466	EA	6" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	7,614.21	406.80
46 82 83 00-0467	EA	8" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	9,482.52	519.79
46 82 83 00-0468	EA	10" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	10,916.66	632.79
46 82 83 00-0469	EA	12" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	16,885.43	768.39
46 82 83 00-0470	EA	14" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	19,890.94	903.99
46 82 83 00-0471	EA	16" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	25,541.30	994.38
46 82 83 00-0472	EA	18" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	28,252.26	1,102.86
46 82 83 00-0473	EA	20" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	33,705.83	1,242.98
46 82 83 00-0474	EA	24" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	37,597.41	1,525.48
46 82 83 00-0475	EA	30" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	44,917.72	2,485.96
46 82 83 00-0476	EA	36" High Signal Magnetic Flowtube; Polyurethane Liner; 316 Stainless Steel Electrodes; Carbon Steel 150 Lb. Flanges; Division 2 Certification	58,187.07	3,314.62
46 82 83 00-0477		Magnetic Flowmeter/Transmitter Assembly; Teflon Liner *(46 82 83 00-0462)* Note: Flowtube Model 8711		
46 82 83 00-0478	EA	1/2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,232.38	54.24
46 82 83 00-0479	EA	1" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,271.18	85.28
46 82 83 00-0480	EA	1-1/2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner 316SST Electrodes; Integral Mounted 8732E; Division 2 FM Approval	4,349.47	118.95
46 82 83 00-0481	EA	2" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	3,352.92	150.67
46 82 83 00-0482	EA	3" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	4,005.48	192.33
46 82 83 00-0483	EA	4" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	4,528.56	322.85
46 82 83 00-0484	EA	6" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	6,055.45	408.25
46 82 83 00-0485	EA	8" Line Size; Magnetic Flow Tube; Wafer Design; Teflon Liner; 316 Stainless Steel Electrodes; Integral Mounted 8732E; Division 2 FM Approval	7,338.35	519.79
46 82 83 00-0486		Multi Variable Mass Flowmeters *(46 82 83 00-0462)*		
46 82 83 00-0487	EA	Multivariable Mass Flow Transmitters	7,981.97	
46 82 83 00-0488	EA	Rosemount Manifold	847.25	
46 82 83 00-0489	EA	12" RTD With 316 Stainless Steel Thermowell	923.38	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0490		**Vortex Flowmeters** *(46 82 83 00-0462)* Note: Model 8800D		
46 82 83 00-0491	EA	1/2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,149.84	54.24
46 82 83 00-0492	EA	1" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,188.64	84.75
46 82 83 00-0493	EA	1-1/2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,255.15	118.65
46 82 83 00-0494	EA	2" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	6,347.43	150.63
46 82 83 00-0495	EA	3" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	7,376.85	192.09
46 82 83 00-0496	EA	4" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	8,752.29	322.05
46 82 83 00-0497	EA	6" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	10,031.82	406.80
46 82 83 00-0498	EA	8" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	14,655.44	519.79
46 82 83 00-0499	EA	8" x 6" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	13,683.71	462.41
46 82 83 00-0500	EA	10" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	22,728.43	632.79
46 82 83 00-0501	EA	10" x 8" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	22,223.50	574.68
46 82 83 00-0502	EA	12" Line Size; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	26,085.71	768.39
46 82 83 00-0503	EA	12" x 10" Line Size Reducer; Flanged Vortex Flowmeter; Explosion Proof Enclosure; LCD Indicator	29,287.18	699.91
46 82 83 00-0504		**Magnetic Flowmeter Transmitters** *(46 82 83 00-0462)*		
46 82 83 00-0505	EA	Rosemount High Signal Magnetic Flowmeter Transmitter; Remote Mounting; 115 Volt AC Power; Local Operator Interface; Division 2 FM Certification	6,164.73	
46 82 83 00-0506		**Magnetic Flowmeter/Transmitter Assembly, Polyurethane Lining** *(46 82 83 00-0462)* Note: Model 8750		
46 82 83 00-0507	EA	Rosemount 2" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	3,514.41	150.63
46 82 83 00-0508	EA	Rosemount 3" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	3,753.78	192.09
46 82 83 00-0509	EA	Rosemount 4" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	4,289.83	322.05
46 82 83 00-0510	EA	Rosemount 6" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	4,947.80	406.80
46 82 83 00-0511	EA	Rosemount 8" Line Size; Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	5,493.56	519.79
46 82 83 00-0512	EA	Rosemount 10" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	7,093.05	632.79
46 82 83 00-0513	EA	Rosemount 12" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	8,080.74	768.39
46 82 83 00-0514	EA	Rosemount 14" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	9,855.96	903.99
46 82 83 00-0515	EA	Rosemount 16" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	12,623.32	994.38
46 82 83 00-0516	EA	Rosemount 18" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	13,638.28	1,102.86
46 82 83 00-0517	EA	Rosemount 20" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	16,686.80	1,242.98
46 82 83 00-0518	EA	Rosemount 24" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	22,968.24	1,525.48
46 82 83 00-0519	EA	Rosemount 30" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	32,490.18	2,485.96
46 82 83 00-0520	EA	Rosemount 36" Line Size Magnetic Flowmeter/Transmitter Assembly; Polyurethane Liner; 316 Stainless Steel Electrodes; CS 150 LB Flanges; FM Approval for Division 2 Areas; 110 Volt AC Power	39,560.99	3,314.62
46 82 83 00-0521	EA	8714i Diagnostic Tool	2,209.50	
46 82 83 00-0522		**Flow Equipment (Scott Safety)** *(46 82 83 00-0099)*		
46 82 83 00-0523		**Scott Safety Fixed Systems** *(46 82 83 00-0522)*		
46 82 83 00-0524	EA	MALE CONNECTOR (Scott Safety 0003-1822)	34.23	1.69
46 82 83 00-0525	EA	6' RIBBON CABLE (Scott Safety 0010-1120)	242.08	11.99
46 82 83 00-0526	EA	CTOR BODY ASSEMBLY (Scott Safety 0023-4019)	757.29	37.52
46 82 83 00-0527	EA	PCB ASSY, CD800/830 (Scott Safety 0023-4043)	3,289.89	162.98
46 82 83 00-0528	EA	GASKET (Scott Safety 0023-4067)	3.72	0.18
46 82 83 00-0529	EA	VALVE DIAPHRAM (Scott Safety 0023-4218)	21.73	1.08
46 82 83 00-0530	EA	10 IN ALUM PROBE TUBE ONLY (Scott Safety 0023-4672)	37.25	1.84
46 82 83 00-0531	EA	BATTERY-12V, 2.5AH (Scott Safety 004-0002)	282.44	14.00
46 82 83 00-0532	EA	BATTERY-12V, 1.2 AH, LEAD ACID (Scott Safety 004-0008)	248.29	12.31
46 82 83 00-0533	EA	3V LITHIUM BATTERY CR2450-FT (Scott Safety 004-0020)	37.25	1.84
46 82 83 00-0534	EA	CE130 SENSOR ELEMENT ONLY (Scott Safety 0051-1861)	1,446.31	71.65
46 82 83 00-0535	EA	MITEX (PTFE) MEMBRANE FILTER (Scott Safety 006-0050)	31.04	1.53
46 82 83 00-0536	EA	O-RING, 2-026, SILICONE, ORN (Scott Safety 009-0022)	6.32	0.31
46 82 83 00-0537	EA	O-RING, 2-127, V747-75 (Scott Safety 009-0024)	40.34	2.00
46 82 83 00-0538	EA	O-RING, #2-032, V709-90 (Scott Safety 009-0028)	24.21	1.20
46 82 83 00-0539	EA	O-RING,2-029,SILICONE S604-70 (Scott Safety 009-0039)	34.14	1.69
46 82 83 00-0540	EA	O-RING, EPDM, 3/16" x 7/16" (Scott Safety 009-0052)	3.72	0.18
46 82 83 00-0541	EA	JUMPER PLUG (Scott Safety 018-0066)	20.47	1.02
46 82 83 00-0542	EA	3 1/2 DIGIT LCD W/ BAR GRAPH (Scott Safety 019-0013)	68.29	3.38
46 82 83 00-0543	EA	4600-IR LCD DISPLAY (Scott Safety 019-0020)	108.63	5.38
46 82 83 00-0544	EA	FLOWMETER W/ SCREW ADJUSTMENT (Scott Safety 024-0007)	831.77	41.20
46 82 83 00-0545	EA	FLOWMETER-ACRYLIC, .6-5LPM (Scott Safety 024-0008)	673.50	33.37
46 82 83 00-0546	EA	4.25 PYROELECTRIC DETECTOR (Scott Safety 025-0478)	1,635.64	81.03
46 82 83 00-0547	EA	PWR SUP 24V 1A UNREG 120V (Scott Safety 028-0002)	648.66	32.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0548	EA	5 Volt DC WALL TRANSFORMER (Scott Safety 028-0027)	58.97	2.93
46 82 83 00-0549	EA	POWER SUPPLY, 24VC W/MTG BRKT. (Scott Safety 028-0033)	1,294.24	64.11
46 82 83 00-0550	EA	,24 Volt DC, 150 Watt, Power Supply (Scott Safety 028-0034)	1,784.61	88.41
46 82 83 00-0551	EA	24 Volt DC, 100-240 Volt AC, Power Supply (Scott Safety 028-0035)	375.56	18.60
46 82 83 00-0552	EA	AC DC POWER SUPPLY (Scott Safety 028-0057)	139.66	6.91
46 82 83 00-0553	EA	1 Ampere, SLO-BLOW FUSE, 5 X 20 MM (Scott Safety 032-0014)	20.47	1.02
46 82 83 00-0554	EA	CIRCUIT BREAKER-1 Ampere, W28-XTIA (Scott Safety 032-0015)	74.48	3.69
46 82 83 00-0555	EA	POINTER KNOB (Scott Safety 035-0014)	6.83	0.34
46 82 83 00-0556	EA	HEADER-6 POS, VERTICAL PLUG-ON (Scott Safety 037-0053)	10.55	0.52
46 82 83 00-0557	EA	TERMINAL BLOCK-9 POS. PLUG-ON (Scott Safety 037-0069)	34.14	1.69
46 82 83 00-0558	EA	RELAY, SPDT, PLUG,24V 10A (Scott Safety 038-0017)	114.85	5.69
46 82 83 00-0559	EA	SOLID STATE RLY, 24-330 Volt AC, 25 Amperes (Scott Safety 038-0023)	307.26	15.21
46 82 83 00-0560	EA	SPDT PCB 5A 24V RELAY (Scott Safety 038-0026)	58.97	2.93
46 82 83 00-0561	EA	200 CC/MIN NON-ADJ FLOW SWITCH (Scott Safety 041-0074)	450.03	22.30
46 82 83 00-0562	EA	1/8" NPT CLEAR PP BARBED FITT (Scott Safety 048-0031)	13.66	0.67
46 82 83 00-0563	EA	3/4" NPT .15-.25 CORD GRIP (Scott Safety 048-0039)	111.74	5.53
46 82 83 00-0564	EA	LIQUIDTIGHT FLEX CONDUIT, 3/4" (Scott Safety 048-0056)	20.47	1.02
46 82 83 00-0565	EA	3-WAY BALL VALVE, 1/4", S.S. (Scott Safety 048-0083)	1,427.68	70.73
46 82 83 00-0566	EA	096-390 DEG. M-F ELBOW 3/4 NPT (Scott Safety 048-0089)	108.63	5.38
46 82 83 00-0567	EA	3/4 NPT CABLE GLAND FITTING (Scott Safety 048-0091)	74.48	3.69
46 82 83 00-0568	EA	SS HOSE CLAMP,7/16-1,WORM DRIV (Scott Safety 053-0008)	13.66	0.67
46 82 83 00-0569	EA	6/32 F/F STANDOFF 1.65 LG ALUM (Scott Safety 054-0065)	10.55	0.52
46 82 83 00-0570	EA	8-32 M/ NO THD FM STD 1.25 LG (Scott Safety 054-0066)	13.66	0.67
46 82 83 00-0571	EA	0.25 OD. X 7/32 LG NYLON SPACER (Scott Safety 054-0067)	10.55	0.52
46 82 83 00-0572	EA	STANDOFF-1/4 HEX,8-32X1.34 M/F (Scott Safety 054-0069)	20.17	1.00
46 82 83 00-0573	EA	STANDOFF-1/4 HEX,8-32X1.19 M/F (Scott Safety 054-0070)	23.58	1.17
46 82 83 00-0574	EA	STANDOFF-1/4 HEX,8-32X1.25 M/F (Scott Safety 054-0071)	10.25	0.50
46 82 83 00-0575	EA	STANDOFF-1/4 HEX,8-32X1.00 M/F (Scott Safety 054-0072)	23.58	1.17
46 82 83 00-0576	EA	HEX SPACER,#6-32 X .75LG BRASS (Scott Safety 054-0073)	10.25	0.50
46 82 83 00-0577	EA	MODIFIED STANDOFF 1/4 HEX 2"LG (Scott Safety 054-0092)	37.25	1.84
46 82 83 00-0578	EA	1/4H STANDOFF,8-32X1-1/16L,M/F (Scott Safety 054-0094)	6.83	0.34
46 82 83 00-0579	EA	FRONT COVER, CLEAR LEXAN (Scott Safety 063-0075)	661.07	32.75
46 82 83 00-0580	EA	HINGE COVER (Scott Safety 063-0076)	37.25	1.84
46 82 83 00-0581	EA	TEFLON PFA TUBING, 1/4" OD (Scott Safety 068-0005)	24.82	1.24
46 82 83 00-0582	EA	TEFLON PFA TUBING, 1/4"OD, 10' (Scott Safety 068-0005-010)	248.29	12.31
46 82 83 00-0583	EA	TEFLON PFA TUBING, 1/4"OD, 25' (Scott Safety 068-0005-025)	620.73	30.76
46 82 83 00-0584	EA	1/8 ID X 1/4 OD TYGON TUBING (Scott Safety 068-0007)	17.38	0.86
46 82 83 00-0585	EA	1/8 ID, 1/4 OD, TYGON TUBING, 10' (Scott Safety 068-0007-010)	172.87	8.56
46 82 83 00-0586	EA	1/8 ID, 1/4 OD, TYGON TUBING, 25' (Scott Safety 068-0007-025)	432.21	21.41
46 82 83 00-0587	EA	1/8 ID, 1/4 OD, TYGON TUBING, 50' (Scott Safety 068-0007-050)	864.37	42.81
46 82 83 00-0588	EA	1/8 ID, 1/4 OD, TYGON TUBING, 75' (Scott Safety 068-0007-075)	1,296.57	64.23
46 82 83 00-0589	EA	TUBING,TYGON FEP-LINED, 1/8"ID (Scott Safety 068-0014)	13.66	0.67
46 82 83 00-0590	EA	TUBING,TYGON FEP-LINED,3/16"ID (Scott Safety 068-0015)	13.66	0.67
46 82 83 00-0591	EA	CABLE 22 AWG 2 COND SHIELDED (Scott Safety 069-0005)	3.72	0.18
46 82 83 00-0592	EA	9C/#24AWG SHIELDED CABLE (Scott Safety 069-0053)	10.55	0.52
46 82 83 00-0593	EA	SHIELDED CABLE,4 PR.,24 AWG (Scott Safety 069-0061)	6.53	0.32
46 82 83 00-0594	EA	18AWG/3COND BRAID SHIELD CABLE (Scott Safety 069-0080)	6.83	0.34
46 82 83 00-0595	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-10)	108.63	5.38
46 82 83 00-0596	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-100)	993.17	49.20
46 82 83 00-0597	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-25)	248.29	12.31
46 82 83 00-0598	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-50)	496.58	24.60
46 82 83 00-0599	EA	CABLE, HAZLOC, 7 CONDUCTOR (Scott Safety 069-0097-75)	744.89	36.90
46 82 83 00-0600	EA	MODEL 4600 GAS XMTR OVERLAY (Scott Safety 071-0150)	34.14	1.69
46 82 83 00-0601	EA	4688-IR LCD OVERLAY LABEL (Scott Safety 071-0155)	37.25	1.84
46 82 83 00-0602	EA	4600MB LCD OVERLAY LABEL (Scott Safety 071-0157)	37.25	1.84
46 82 83 00-0603	EA	TOUCH PANEL OVERLAY (Scott Safety 071-0159)	257.59	12.76
46 82 83 00-0604	EA	7200 TOUCH PANEL (Scott Safety 071-0164)	1,536.31	76.10
46 82 83 00-0605	EA	4600 SENSOR HOUSING END CAP (Scott Safety 073-0165)	310.37	15.37
46 82 83 00-0606	EA	4600-IR LCD SUPPORT PANEL (Scott Safety 073-0185)	34.14	1.69
46 82 83 00-0607	EA	4600RS S.S. SNSR. HSNG. ENDCAP (Scott Safety 073-0210)	602.10	29.83
46 82 83 00-0608	EA	ADAPTER PLT,QUAD II TO NIC II (Scott Safety 073-0214)	155.18	7.70
46 82 83 00-0609	EA	MOUNTING BRACKET, FLOWMETER (Scott Safety 073-0215)	142.78	7.07
46 82 83 00-0610	EA	XP ENCL. W/GLASS COVER (ATEX) (Scott Safety 073-0219)	589.70	29.21
46 82 83 00-0611	EA	XP ENCL W/GLASS COVER/NON-ATEX (Scott Safety 073-0219-1)	598.99	29.68
46 82 83 00-0612	EA	3/4" CONDUIT OUTLET BOX (Scott Safety 073-0226-1)	471.75	23.37
46 82 83 00-0613	EA	XP ENCL. W/BLIND COVER (ATEX) (Scott Safety 073-0227)	443.81	21.98
46 82 83 00-0614	EA	GUARD. FILAMENT DETECTOR (6V) (Scott Safety 073-0240)	369.33	18.29
46 82 83 00-0615	EA	XP ENCL W/DOME COVER,RELAY OPT (Scott Safety 073-0264-1)	900.06	44.59
46 82 83 00-0616	EA	4600 THREAD ADAPTER (Scott Safety 073-0328)	251.40	12.45
46 82 83 00-0617	EA	GUARD, FLAME ARRESTOR (ATEX) (Scott Safety 073-0332)	232.77	11.53
46 82 83 00-0618	EA	OUTER FLAME ARRESTOR ASSEMBLY (Scott Safety 073-0336)	664.17	32.90
46 82 83 00-0619	EA	PIPE PLUG 1/8 NPT (Scott Safety 073-0366)	16.43	0.81
46 82 83 00-0620	EA	JUNCTION BOX NEXT GEN (Scott Safety 073-0367)	186.22	9.23
46 82 83 00-0621	EA	SUN SHIELD, TRANSMITTER (Scott Safety 073-0373)	232.77	11.53
46 82 83 00-0622	EA	ADAPTER MOUNTING PLATE (Scott Safety 073-0374)	232.77	11.53
46 82 83 00-0623	EA	GAS SENSOR DUCT ADAPTER (Scott Safety 074-0138)	242.08	11.99
46 82 83 00-0624	EA	HOSE TEE 1/4 X 1/4 X 1/4 HDPE (Scott Safety 074-0208)	31.04	1.53
46 82 83 00-0625	EA	END CAP - NORYL - SERIES 4500 (Scott Safety 074-0225)	37.25	1.84
46 82 83 00-0626	EA	4600 ENCLOSURE MOUNTING PLATE (Scott Safety 074-0289)	58.97	2.93
46 82 83 00-0627	EA	1/4" OD WHT PP BULKHEAD UNION (Scott Safety 074-0295)	25.77	1.28
46 82 83 00-0628	EA	4600 1/4 TURN TFE RAIN SHIELD (Scott Safety 074-0305)	192.44	9.54

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46 82 83 00-0629	EA	4600-IR RAIN SHIELD (Scott Safety 074-0321)	139.66	6.91
46 82 83 00-0630	EA	4600 COND. HUM PFE SNSR SPACER (Scott Safety 074-0331)	52.76	2.62
46 82 83 00-0631	EA	GRAY PVC FILTER CAGE (12 SLOT) (Scott Safety 074-0340)	301.06	14.92
46 82 83 00-0632	EA	4600 SST SENSOR CAP (Scott Safety 074-0344)	145.88	7.22
46 82 83 00-0633	EA	4600RS SST SENSOR CAP (Scott Safety 074-0345)	133.46	6.61
46 82 83 00-0634	EA	3000/5000 SERIES SENSOR ENDCAP (Scott Safety 074-0357)	170.71	8.46
46 82 83 00-0635	EA	5000 ROCK SOLID ENDCAP (Scott Safety 074-0389)	155.18	7.70
46 82 83 00-0636	EA	5000 SST ENDCAP (Scott Safety 074-0390)	170.71	8.46
46 82 83 00-0637	EA	5000 ROCK SOLID SST ENDCAP (Scott Safety 074-0391)	170.71	8.46
46 82 83 00-0638	EA	5600 ENCLOSURE MOUNTING BLOCK (Scott Safety 074-0420)	37.25	1.84
46 82 83 00-0639	EA	CAL ADAPTER COMBUSTIBLE HEADS (Scott Safety 074-0508)	99.32	4.92
46 82 83 00-0640	EA	REMOTE TEST ADAPTER (Scott Safety 074-0511)	242.08	11.99
46 82 83 00-0641	EA	SPLASH GUARD DETECTOR HEAD (Scott Safety 074-0515)	37.25	1.84
46 82 83 00-0642	EA	F6K, RETENTION SLEEVE, IR SNSR (Scott Safety 074-0525)	31.04	1.53
46 82 83 00-0643	EA	IS TERMINAL COVER (Scott Safety 074-0528-01)	9.31	0.45
46 82 83 00-0644	EA	M/F STANDOFF, #8-32 X .625 LG. (Scott Safety 076-0059)	10.55	0.52
46 82 83 00-0645	EA	BANANA PLUGS (Scott Safety 076-0066)	13.34	0.66
46 82 83 00-0646	EA	SET SCREW 4-40 X 1/8,FLAT PT. (Scott Safety 076-0077)	13.66	0.67
46 82 83 00-0647	EA	HINGE SET FOR 5300 ENCLOSURE (Scott Safety 076-0080)	80.69	4.00
46 82 83 00-0648	EA	HEX STANDOFF,#4-40X1-5/8"(M-F) (Scott Safety 076-0101-02)	105.52	5.22
46 82 83 00-0649	EA	FREEDOM 6000 ADAPTER BD SCREW (Scott Safety 076-0204)	3.42	0.17
46 82 83 00-0650	EA	PIPE MTG.BKT.JBOX MERIDIAN (Scott Safety 076-0376)	124.16	6.15
46 82 83 00-0651	EA	PIPE MTG.BKT.ENCL.MERIDIAN (Scott Safety 076-0377)	155.18	7.70
46 82 83 00-0652	EA	REGULATOR FIX FLOW 0.5LPM (Scott Safety 077-0018)	465.55	23.06
46 82 83 00-0653	EA	GAS BOTTLE - ZERO AIR (Scott Safety 077-0019)	471.75	23.37
46 82 83 00-0654	EA	GAS BOTTLE - SO2 (Scott Safety 077-0020)	679.70	33.67
46 82 83 00-0655	EA	TYGON TUBING 3/16" I.D. (Scott Safety 077-0021)	9.31	0.45
46 82 83 00-0656	EA	GAS BOTTLE CARRYING CASE (Scott Safety 077-0023)	223.48	11.07
46 82 83 00-0657	EA	H2S/air 8AL (58 liters) 25 ppm (Scott Safety 077-0025)	651.77	32.29
46 82 83 00-0658	EA	H2 GAS BOTTLE (Scott Safety 077-0036)	471.75	23.37
46 82 83 00-0659	EA	METHANE GAS BOTTLE (Scott Safety 077-0037)	751.09	37.22
46 82 83 00-0660	EA	OXYGEN GAS BOTTLE 16% (Scott Safety 077-0039)	598.99	29.68
46 82 83 00-0661	EA	NITROGEN GAS BOTTLE (Scott Safety 077-0040)	471.75	23.37
46 82 83 00-0662	EA	BUTANE GAS BOTTLE (Scott Safety 077-0041)	598.99	29.68
46 82 83 00-0663	EA	SO2 CALIBRATION GAS (9PPM/AIR) (Scott Safety 077-0050)	679.70	33.67
46 82 83 00-0664	EA	H2S GAS BOTTLE,10 PPM, BAL AIR (Scott Safety 077-0056)	751.09	37.22
46 82 83 00-0665	EA	POCKET SCREWDRIVER W/ MAGNET (Scott Safety 077-0120)	27.32	1.35
46 82 83 00-0666	EA	HCL/N2 10 PPM GAS CYL. +/-10% (Scott Safety 077-0124)	1,424.58	70.57
46 82 83 00-0667	EA	NH3/O2 0-50 PPM GAS CYL. +/-5% (Scott Safety 077-0125)	1,424.58	70.57
46 82 83 00-0668	EA	THERMOCOUPLE TYPE K .062 OD (Scott Safety 077-0133)	301.06	14.92
46 82 83 00-0669	EA	120 Volt, 240 Watt, Cable heater Without Hose (Scott Safety 077-0135)	713.84	35.37
46 82 83 00-0670	EA	HEATER SHROUD CERAMIC ENDCAP (Scott Safety 077-0138)	74.48	3.69
46 82 83 00-0671	EA	FIXED SETPOINT TEMP CONTROLLER (Scott Safety 077-0139)	710.73	35.21
46 82 83 00-0672	EA	120 Volt AC STROBE LIGHT (RED) (Scott Safety 077-0143)	847.29	41.98
46 82 83 00-0673	EA	CL2/N2 0-2 PPM GAS CYLINDER (Scott Safety 077-0151)	1,424.58	70.57
46 82 83 00-0674	EA	CL2/N2 0-5 PPM GAS CYLINDER (Scott Safety 077-0152)	1,424.58	70.57
46 82 83 00-0675	EA	HCL/N2 20 PPM GAS CYLINDER (Scott Safety 077-0153)	1,424.58	70.57
46 82 83 00-0676	EA	4600-IR LAMP EXTRACTION TOOL (Scott Safety 077-0161)	43.44	2.15
46 82 83 00-0677	EA	4688-IR POREX FILTER MAIN SNSR (Scott Safety 077-0166)	31.04	1.53
46 82 83 00-0678	EA	4688-IR RAINSHLD POREX FILTER (Scott Safety 077-0167)	40.34	2.00
46 82 83 00-0679	EA	4688IR LAMP REPL ALLEN KEY (Scott Safety 077-0183)	6.83	0.34
46 82 83 00-0680	EA	0-100 PPM H2S/AIR GAS CYL 58L (Scott Safety 077-0186)	751.09	37.22
46 82 83 00-0681	EA	GAS CYL 10 PPM CO/AIR SIZE 6D (Scott Safety 077-0188)	751.09	37.22
46 82 83 00-0682	EA	CO2 CYLINDER-1% (Scott Safety 077-0191)	679.70	33.67
46 82 83 00-0683	EA	HCL/N2 5 PPM GAS CYLINDER(8AL) (Scott Safety 077-0202)	1,424.58	70.57
46 82 83 00-0684	EA	NO/N2, 0-20 PPM GAS CYLINDER (Scott Safety 077-0203)	1,424.58	70.57
46 82 83 00-0685	EA	NO2/N2, 0-5 PPM GAS CYLINDER (Scott Safety 077-0204)	1,424.58	70.57
46 82 83 00-0686	EA	HCN/N2, 0-10 PPM GAS CYLINDER (Scott Safety 077-0205)	1,297.31	64.27
46 82 83 00-0687	EA	H2S/AIR 0-50 PPM GAS CYLINDER (Scott Safety 077-0206)	679.70	33.67
46 82 83 00-0688	EA	NH3/N2 300 PPM GAS CYLINDER (Scott Safety 077-0207)	1,424.58	70.57
46 82 83 00-0689	EA	CL2/N2, 10 PPM GAS CYLINDER (Scott Safety 077-0208)	1,297.31	64.27
46 82 83 00-0690	EA	RAINSHIELD OUTER FILTER(POREX) (Scott Safety 077-0209)	31.04	1.53
46 82 83 00-0691	EA	RNSHLD. FILTER MEMBRANE(POREX) (Scott Safety 077-0210)	20.47	1.02
46 82 83 00-0692	EA	FILTER MEMBRANE W/HOLE (Scott Safety 077-0210-1)	27.32	1.35
46 82 83 00-0693	EA	NH3/N2 25 PPM GAS CYLINDER (Scott Safety 077-0215)	1,424.58	70.57
46 82 83 00-0694	EA	CL2/N2 50 PPM GAS CYLINDER (Scott Safety 077-0217)	1,424.58	70.57
46 82 83 00-0695	EA	HCL/N2 40 PPM GAS CYLINDER (Scott Safety 077-0218)	1,424.58	70.57
46 82 83 00-0696	EA	CL2/N2 20 PPM GAS CYLINDER (Scott Safety 077-0219)	1,424.58	70.57
46 82 83 00-0697	EA	SO2/N2 5 PPM GAS CYLINDER (Scott Safety 077-0220)	1,424.58	70.57
46 82 83 00-0698	EA	SAMPLE DRAW ASPIRATOR (Scott Safety 077-0222)	751.09	37.22
46 82 83 00-0699	EA	CO/AIR 500 PPM GAS CYLINDER-6D (Scott Safety 077-0230)	679.70	33.67
46 82 83 00-0700	EA	0.9% PROPANE/AIR GAS CYL., 6D (Scott Safety 077-0241)	598.99	29.68
46 82 83 00-0701	EA	0.3% HEXANE/AIR GAS CYL., 6D (Scott Safety 077-0242)	546.25	27.06
46 82 83 00-0702	EA	0.5% PROPYLENE/AIR GAS CYL.,6D (Scott Safety 077-0244)	598.99	29.68
46 82 83 00-0703	EA	ACETYLENE/AIR,1.25% GAS CYL,6D (Scott Safety 077-0245)	598.99	29.68
46 82 83 00-0704	EA	CO/AIR 100 PPM GAS CYLINDER,6D (Scott Safety 077-0246)	751.09	37.22
46 82 83 00-0705	EA	CO/AIR 250 PPM GAS CYLINDER,6D (Scott Safety 077-0247)	679.70	33.67
46 82 83 00-0706	EA	1% PROPANE GAS CYL.(227 LTRS.) (Scott Safety 077-0249)	623.85	30.90
46 82 83 00-0707	EA	1% HYDROGEN GAS CYL.(212 LTRS) (Scott Safety 077-0250)	623.85	30.90
46 82 83 00-0708	EA	0.5% PROPANE GAS CYL.(212 LTRS) (Scott Safety 077-0251)	623.85	30.90
46 82 83 00-0709	EA	1.5% METHANE GAS CYL(212 LTRS) (Scott Safety 077-0252)	623.85	30.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0710	EA	REGULATOR, FIX FLOW 1.0 LPM (Scott Safety 077-0254)	465.55	23.06
46 82 83 00-0711	EA	CO/AIR 25 PPM GAS CYLINDER, 6D (Scott Safety 077-0255)	751.09	37.22
46 82 83 00-0712	EA	0077-126PANE/BAL AIR CYL.,103L (Scott Safety 077-0264)	598.99	29.68
46 82 83 00-0713	EA	H2S Gas Cylinder - 2AL 25 PPM (Scott Safety 077-0272)	422.11	20.91
46 82 83 00-0714	EA	02 18.5% GAS CYLINDER, 7HP-34L (Scott Safety 077-0274)	263.81	13.07
46 82 83 00-0715	EA	SO2 GAS CYLINDER-10PPM,2AL-34L (Scott Safety 077-0276)	508.99	25.22
46 82 83 00-0716	EA	NH3 GAS CYLINDER-25PPM 2AL-34L (Scott Safety 077-0277)	769.70	38.14
46 82 83 00-0717	EA	HCN GAS CYLINDER-10PPM 2AL-34L (Scott Safety 077-0278)	1,191.81	59.05
46 82 83 00-0718	EA	CL2 GAS CYLINDER-5 PPM 2AL-34L (Scott Safety 077-0279)	847.29	41.98
46 82 83 00-0719	EA	NO2 GAS CYLINDER-5 PPM,2AL-34L (Scott Safety 077-0280)	769.70	38.14
46 82 83 00-0720	EA	FILTER CUP, SAMPLE PROBE (Scott Safety 077-0292)	34.14	1.69
46 82 83 00-0721	EA	HEX-NUT COMPRESSION FITTING (Scott Safety 077-0294)	24.21	1.20
46 82 83 00-0722	EA	INTERCHANGEABLE PROBE TUBE (Scott Safety 077-0295)	34.14	1.69
46 82 83 00-0723	EA	COMPRESSION SLEEVE, PROBE (Scott Safety 077-0296)	6.83	0.34
46 82 83 00-0724	EA	O-RING, SAMPLE PROBE (Scott Safety 077-0297)	6.83	0.34
46 82 83 00-0725	EA	FLOW SWITCH, SPDT (Scott Safety 077-0304)	1,952.20	96.72
46 82 83 00-0726	EA	THERMAL SWITCH,N.O. W/6" LEADS (Scott Safety 077-0324)	68.29	3.38
46 82 83 00-0727	EA	DEMAND FLOW REGULATOR,2AL TYPE (Scott Safety 077-0342)	1,275.61	63.20
46 82 83 00-0728	EA	DEMAND FLOW REGULATOR,7HP TYPE (Scott Safety 077-0343)	1,275.61	63.20
46 82 83 00-0729	EA	NO GAS CYL.-30 PPM, 2AL-34L (Scott Safety 077-0346)	769.70	38.14
46 82 83 00-0730	EA	METHANE/O2/H2S GAS CYL. 34L (Scott Safety 077-0355)	769.70	38.14
46 82 83 00-0731	EA	METHANE/BAL. AIR CYL. 34L 2AL (Scott Safety 077-0357)	173.80	8.61
46 82 83 00-0732	EA	METHANE/BAL. AIR GAS CYL. 103L (Scott Safety 077-0358)	434.51	21.53
46 82 83 00-0733	EA	ETO GAS CYLINDER-5 PPM,8AL/58L (Scott Safety 077-0377)	1,278.71	63.35
46 82 83 00-0734	EA	Ethylene Oxide/N2 bal - 8AL 10 PPM (Scott Safety 077-0378)	931.10	46.13
46 82 83 00-0735	EA	1/16" HEX KEY (Scott Safety 077-0461)	6.83	0.34
46 82 83 00-0736	EA	CYL,CARBON MONOXIDE,250PPM 17L (Scott Safety 077-1224)	189.33	9.38
46 82 83 00-0737	EA	CYL,HYDROGEN, 2% (50% LEL) 17L (Scott Safety 077-1228)	136.55	6.77
46 82 83 00-0738	EA	CYL, METHANE/AIR, 1.10% 17L (Scott Safety 077-1229)	148.97	7.38
46 82 83 00-0739	EA	CYL, METHANE/AIR, 2.20% 17L (Scott Safety 077-1230)	148.97	7.38
46 82 83 00-0740	EA	CYL, METHANE/AIR 2.50% 17L (Scott Safety 077-1231)	136.55	6.77
46 82 83 00-0741	EA	CYL,NITROGEN, 100% 7EOC/17L (Scott Safety 077-1232)	148.97	7.38
46 82 83 00-0742	EA	CYL,OXYGEN/BAL N2,5% 7EOC/17L (Scott Safety 077-1233)	173.80	8.61
46 82 83 00-0743	EA	CYL,OXYGEN/BAL N2,20.90% 17L (Scott Safety 077-1234)	148.97	7.38
46 82 83 00-0744	EA	CYL,PROPANE/AIR,0.30%,7EOC/17L (Scott Safety 077-1235)	136.55	6.77
46 82 83 00-0745	EA	CYL,PROPANE/AIR,0.44%,7EOC/17L (Scott Safety 077-1236)	136.55	6.77
46 82 83 00-0746	EA	CYL,PROPANE/AIR,1.00% 7EOC/17L (Scott Safety 077-1237)	148.97	7.38
46 82 83 00-0747	EA	REGULATOR, 0.5LPM (MODEL 713) (Scott Safety 077-1238)	465.55	23.06
46 82 83 00-0748	EA	PH3 GAS CYLINDER,1 PPM 2AL-34L (Scott Safety 077-1239)	769.70	38.14
46 82 83 00-0749	EA	PH3 GAS CYLINDER-500PPB 2AL-34 (Scott Safety 077-1240)	1,123.53	55.65
46 82 83 00-0750	EA	PH3 GAS CYLINDER-500PPB 8AL-58 (Scott Safety 077-1241)	1,688.39	83.64
46 82 83 00-0751	EA	0.55% C3H8/50PPM CO/AIR,103L/6D (Scott Safety 077-1262)	673.50	33.37
46 82 83 00-0752	EA	0.55% C3H8/25PPM H2S/AIR, 58L (Scott Safety 077-1263)	1,014.91	50.28
46 82 83 00-0753	EA	0.55% C3H8/50PPM CO/AIR CYL,34L (Scott Safety 077-1265)	301.06	14.92
46 82 83 00-0754	EA	0.55%C3H8/25PPM H2S/AIR CYL,34L (Scott Safety 077-1266)	769.70	38.14
46 82 83 00-0755	EA	0.55% PROPANE/BAL AIR CYL.,34L (Scott Safety 077-1267)	273.11	13.52
46 82 83 00-0756	EA	REGULATOR, .5 LPM (MODEL 702) (Scott Safety 077-1268)	257.59	12.76
46 82 83 00-0757	EA	REGULATOR, .5 LPM (MODEL 705) (Scott Safety 077-1271)	338.30	16.76
46 82 83 00-0758	EA	TOOL KIT (Scott Safety 077-1308)	86.89	4.30
46 82 83 00-0759	EA	LAMP CLEANING KIT (Scott Safety 077-1309)	130.37	6.46
46 82 83 00-0760	EA	CALIBRATION KIT (Scott Safety 077-1311)	108.63	5.38
46 82 83 00-0761	EA	PUMP, SINGLE HEAD, DIA-VAC (Scott Safety 077-1316)	1,250.77	61.97
46 82 83 00-0762	EA	10 PPM ISOBUTYLENE/BAL AIR,6D (Scott Safety 077-1338)	633.14	31.37
46 82 83 00-0763	EA	SIH4/N2, 0-10PPM, GAS CYLINDER (Scott Safety 077-1349)	4,810.68	238.32
46 82 83 00-0764	EA	PH3/N2, 0-10PPM, GAS CYLINDER (Scott Safety 077-1350)	4,810.68	238.32
46 82 83 00-0765	EA	2.5% CO2/AIR, 103L, GAS CYL (Scott Safety 077-1375)	512.10	25.36
46 82 83 00-0766	EA	FITTING,10-32QD,RT ANG,1/8TUBE (Scott Safety 077-1385)	31.04	1.53
46 82 83 00-0767	EA	FITTING,10-32QD,RT ANG,1/4TUBE (Scott Safety 077-1386)	356.93	17.69
46 82 83 00-0768	EA	REDUCER 3/4 NPT TO 20 mm (Scott Safety 077-1402)	127.26	6.30
46 82 83 00-0769	EA	STOPPING PLUG 20mm (Scott Safety 077-1404)	86.89	4.30
46 82 83 00-0770	EA	LOW FLOW REGULATOR (Scott Safety 077-1416)	465.55	23.06
46 82 83 00-0771	EA	PIEZO-A-LERT HORN (Scott Safety 086-0004)	68.29	3.38
46 82 83 00-0772	EA	Acetylene - 6D 1.25% (50% LEL) Tygon Non-Reactive (096-3500or 096-3502) (Scott Safety 077-0245)	544.55	26.97
46 82 83 00-0773	EA	Butane - 6D 0.5% (25% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0041)	544.55	26.97
46 82 83 00-0774	EA	Carbon Dioxide [N2 Bal] - 6D 1% Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0191)	617.92	30.62
46 82 83 00-0775	EA	Carbon Monoxide - 6D 10 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0188)	682.80	33.83
46 82 83 00-0776	EA	Carbon Monoxide - 6D 100 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0246)	682.80	33.83
46 82 83 00-0777	EA	Carbon Monoxide - 6D 25 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0255)	682.80	33.83
46 82 83 00-0778	EA	Carbon Monoxide - 6D 250 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0247)	617.92	30.62
46 82 83 00-0779	EA	Carbon Monoxide - 6D 500 PPM Tygon Non-Reactive (096-3500) (Scott Safety 077-0230)	617.92	30.62
46 82 83 00-0780	EA	Hydrogen - 6D 2% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0036)	493.76	24.46
46 82 83 00-0781	EA	Methane - 6D 2.5% (50% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0037)	691.27	34.24
46 82 83 00-0782	EA	Methane - 6D 1.62 % (32% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0358)	437.33	21.66
46 82 83 00-0783	EA	O2/Propane Mixture - 6D 25% LEL Propane Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0264)	589.70	29.21
46 82 83 00-0784	EA	Nitrogen - 6D 100% Tygon Non-Reactive (096-3500) (Scott Safety 077-0040)	505.06	25.02
46 82 83 00-0785	EA	Oxygen [N2 Bal] - 6D 16% Tygon Non-Reactive (096-3500) (Scott Safety 077-0039)	617.92	30.62
46 82 83 00-0786	EA	Propane - 6D 0.9% (44% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0241)	646.13	32.01
46 82 83 00-0787	EA	Propylene - 6D 0.5% (25% LEL) Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0244)	646.13	32.01
46 82 83 00-0788	EA	Zero air - 6D 20.9% 02 in N2 Tygon Non-Reactive (096-3500 or 096-3502) (Scott Safety 077-0019)	499.41	24.74
46 82 83 00-0789	EA	4600 GAS PLUS XMTR MANUAL (Scott Safety 087-0005)	89.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0790	EA	4688IR COMB. GAS XMTR MANUAL (Scott Safety 087-0007)	92.26	
46 82 83 00-0791	EA	4600 MODBUS GAS XMTR. MANUAL (Scott Safety 087-0014)	67.10	
46 82 83 00-0792	EA	INSTRUCTION MAN., SENTINEL VI (Scott Safety 087-0018)	89.48	
46 82 83 00-0793	EA	5000 Operation And Maintenance Manual (Scott Safety 087-0020)	92.26	
46 82 83 00-0794	EA	MANUAL,7800-16 CHAN CONTROLLER (Scott Safety 087-0021)	83.88	
46 82 83 00-0795	EA	7400 QUAD SCAN II Operation And Maintenance Manual (Scott Safety 087-0023)	33.56	
46 82 83 00-0796	EA	FREEDOM 5600 Operation And Maintenance Manual (Scott Safety 087-0024)	86.68	
46 82 83 00-0797	EA	MODEL 7200 Operation And Maintenance Manual (Scott Safety 087-0026)	50.32	
46 82 83 00-0798	EA	6000 TOXIC COMBUSTIBLE MANUAL (Scott Safety 087-0044)	30.76	
46 82 83 00-0799	EA	50W, 40 OHM, ALUM POWER RESIS (Scott Safety 090-0088)	57.87	2.37
46 82 83 00-0800	EA	4600 ELASTOMER CONNECTOR ASSEMBLY (Scott Safety 093-0097)	115.74	4.75
46 82 83 00-0801	EA	MICROGASS SYSTEM WITH HEAT SAMPLE LINE (Scott Safety 093-0102-1)	26,316.31	1,078.80
46 82 83 00-0802	EA	DISPLAY BOARD ASSEMBLY (Scott Safety 093-0213)	6,883.66	282.19
46 82 83 00-0803	EA	ANALOG INPUT BOARD (Scott Safety 093-0214)	1,142.21	46.82
46 82 83 00-0804	EA	ANALOG OUTPUT BOARD (Scott Safety 093-0215)	1,200.07	49.20
46 82 83 00-0805	EA	I/O CONTROLLER ASSEMBLY (Scott Safety 093-0216)	2,628.58	107.75
46 82 83 00-0806	EA	6 CHANNEL DISCRETE RELAY BOARD (Scott Safety 093-0217)	1,227.48	50.32
46 82 83 00-0807	EA	BOARD INTERCONNECT CABLE (Scott Safety 093-0220)	91.37	3.74
46 82 83 00-0808	EA	AUXILIARY BOARD ASSEMBLY (Scott Safety 093-0222)	441.65	18.10
46 82 83 00-0809	EA	MAIN I/O CONTROLLER P.C.B.A. (Scott Safety 093-0243)	2,628.58	107.75
46 82 83 00-0810	EA	SENTINEL 16 DISPLAY BOARD ASSY (Scott Safety 093-0267)	9,228.99	378.33
46 82 83 00-0811	EA	8 CHANNEL ANALOG INPUT BOARD (Scott Safety 093-0268)	1,577.76	64.68
46 82 83 00-0812	EA	8 CHANNEL DISCRETE RELAY BOARD (Scott Safety 093-0269)	1,577.76	64.68
46 82 83 00-0813	EA	8 CHANNEL 4-20MA OUTPUT BOARD (Scott Safety 093-0270)	1,577.76	64.68
46 82 83 00-0814	EA	DIR CATBEAD/4-20MA IN BASE BRD (Scott Safety 093-0271)	1,928.02	79.05
46 82 83 00-0815	EA	PC BASED GRAPHIC MMI SOFTWARE (Scott Safety 093-0275)	11,604.76	475.72
46 82 83 00-0816	EA	RS485 TO RS232 CONVERTER (Scott Safety 093-0276)	1,696.55	69.55
46 82 83 00-0817	EA	NEMA 4X EXPANSION ENCLOSURE (Scott Safety 093-0277)	1,656.95	67.92
46 82 83 00-0818	EA	SENSOR, H2S REPLACEMENT (NIC) (Scott Safety 093-0285)	1,105.63	45.33
46 82 83 00-0819	EA	SENSOR,O2 (REPLACES 0051-8072) (Scott Safety 093-0286)	697.50	28.59
46 82 83 00-0820	EA	I.S. ACTIVE BARRIER (Scott Safety 093-0291)	919.85	37.71
46 82 83 00-0821	EA	I.S. PASSIVE BARRIER (Scott Safety 093-0292)	1,443.74	59.18
46 82 83 00-0822	EA	DUAL CHANNEL CATBEAD MODULE (Scott Safety 093-0297)	615.27	25.22
46 82 83 00-0823	EA	PIEZO ELECTRIC BUZZER (90DB) (Scott Safety 093-0299)	831.51	34.09
46 82 83 00-0824	EA	4 POS EXPANSION PLT W/MTG S/O (Scott Safety 093-0306)	475.16	19.48
46 82 83 00-0825	EA	6 POS EXPANSION PLT W/MTG S/O (Scott Safety 093-0307)	670.09	27.47
46 82 83 00-0826	EA	SMART NIC LEL MODULE (Scott Safety 093-0309)	1,431.56	58.68
46 82 83 00-0827	EA	IC2 CABLE ASSY.,10 FT. LENGTH (Scott Safety 093-0312)	140.12	5.74
46 82 83 00-0828	EA	NIC 24 Volt LEL XMTR Without ENCLOSURE (Scott Safety 093-0313)	3,411.37	139.85
46 82 83 00-0829	EA	PRINTER INTERFACE OPT. BOARD (Scott Safety 093-0338)	1,544.26	63.30
46 82 83 00-0830	EA	10 Conductors, Ribbon Cable Assembly (Scott Safety 093-0339)	73.08	2.99
46 82 83 00-0831	EA	MEMBRANE FILTER,HI-FLOW,1/4NPT (Scott Safety 093-0359)	2,430.59	99.64
46 82 83 00-0832	EA	7200 PLUS Dual 4-20 input 4X (Scott Safety 093-0427)	4,446.96	182.30
46 82 83 00-0833	EA	7200PLUS W/DUAL CAT BEAD BD. (Scott Safety 093-0428)	4,782.01	196.03
46 82 83 00-0834	EA	7200PLUS DUAL 4-20 INPT NEMA 7 (Scott Safety 093-0429)	12,366.22	506.93
46 82 83 00-0835	EA	7200 PLUS DUAL CAT BEAD BOARD (Scott Safety 093-0430)	10,538.71	432.01
46 82 83 00-0836	EA	7200 PLUS IN NEMA 4X ENCLOSURE (Scott Safety 093-0431)	4,416.50	181.05
46 82 83 00-0837	EA	7200 PLUS N BOLT ON LID NEMA 7 (Scott Safety 093-0432)	6,579.07	269.70
46 82 83 00-0838	EA	DUAL CHANNEL 4-20mA INPUT (Scott Safety 093-0433)	316.77	12.98
46 82 83 00-0839	EA	DUAL COMB. CAT BD SEN. INPUT (Scott Safety 093-0434)	566.54	23.23
46 82 83 00-0840	EA	DISCRETE ALARM RELAY BOARD (Scott Safety 093-0435)	727.97	29.84
46 82 83 00-0841	EA	DUAL 4-20 mA OUTPUT (Scott Safety 093-0436)	612.23	25.09
46 82 83 00-0842	EA	MODBUS RTU ADDRESSABLE INTERFA (Scott Safety 093-0438)	791.93	32.46
46 82 83 00-0843	EA	100db PIEZO AUDIBLE ALARM (Scott Safety 093-0439)	456.87	18.73
46 82 83 00-0844	EA	DUAL LIGHT STACK (AMBER/RED) (Scott Safety 093-0440)	1,251.85	51.31
46 82 83 00-0845	EA	NEMA 4X ENCLOSURE (Scott Safety 093-0441)	569.59	23.35
46 82 83 00-0846	EA	NEMA 4X DOOR (Scott Safety 093-0442)	332.00	13.61
46 82 83 00-0847	EA	MAGNETIC WAND NEMA 7XP ENCLOSU (Scott Safety 093-0443)	39.58	1.63
46 82 83 00-0848	EA	MAGNETIC WAND NEMA 4 ENCLOSURE (Scott Safety 093-0444)	30.46	1.25
46 82 83 00-0849	EA	2 Amperes, Fuse (Scott Safety 093-0445)	33.50	1.38
46 82 83 00-0850	EA	MOTHER BOARD ASSEMBLY (Scott Safety 093-0446)	1,870.16	76.67
46 82 83 00-0851	EA	CD READOUT/MICROCONTROLLER (Scott Safety 093-0447)	1,894.54	77.66
46 82 83 00-0852	EA	FREEDOM PID EXTERNAL FILTERS (Scott Safety 093-0448)	304.58	12.48
46 82 83 00-0853	EA	NEMA 4X CATBEAD INPUT RELAYS (Scott Safety 093-0455)	9,533.57	390.81
46 82 83 00-0854	EA	NEMA 4X 4CHANNEL CATBEAD INPUT (Scott Safety 093-0456)	8,284.76	339.62
46 82 83 00-0855	EA	NEMA 4X 4-20ma INPUT RELAYS (Scott Safety 093-0457)	8,863.48	363.35
46 82 83 00-0856	EA	NEMA 4X 4 CHANNEL 4-20ma INPUT (Scott Safety 093-0458)	8,193.39	335.88
46 82 83 00-0857	EA	NEMA 7 4 CHANNEL CATBEAD INPUT (Scott Safety 093-0459)	18,457.97	756.66
46 82 83 00-0858	EA	NEMA 7 DIRECT CATBEAD INPUT (Scott Safety 093-0460)	17,666.04	724.20
46 82 83 00-0859	EA	NEMA 7 4-20ma INPUT RELAYS (Scott Safety 093-0461)	17,818.33	730.43
46 82 83 00-0860	EA	NEMA 7 4 CHANNEL 4-20ma INPUT (Scott Safety 093-0462)	17,178.70	704.21
46 82 83 00-0861	EA	NEMA 4X 4 CHANNEL BASE UNIT (Scott Safety 093-0463)	7,005.50	287.18
46 82 83 00-0862	EA	NEMA 7 4 CHANNEL BASE UNIT (Scott Safety 093-0464)	16,721.82	685.48
46 82 83 00-0863	EA	QUAD QUAD CHANNEL 4-20ma INPUT (Scott Safety 093-0465)	526.93	21.61
46 82 83 00-0864	EA	QUAD CATBEAD SENSOR INPUT (Scott Safety 093-0466)	1,029.50	42.20
46 82 83 00-0865	EA	QUAD CHANNEL 4-20ma OUTPUT (Scott Safety 093-0467)	837.61	34.34
46 82 83 00-0866	EA	50 WATT NEMA 4X DIV2 P/S (Scott Safety 093-0468)	1,784.88	73.16
46 82 83 00-0867	EA	50 WATT NEMA 7 DIV 1 P/S (Scott Safety 093-0469)	2,071.19	84.91
46 82 83 00-0868	EA	6000 XMTR Without SENSOR HEAD (Scott Safety 093-0479)	2,494.56	102.26
46 82 83 00-0869	EA	6000 POWER I/O PCBA (Scott Safety 093-0498)	584.82	23.98
46 82 83 00-0870	EA	6000 DISPLAY ASSEMBLY (Scott Safety 093-0499)	1,790.98	73.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-0871	EA	6000 RAW PLUG IN SENSOR (Scott Safety 093-0500)	1,120.87	45.95
46 82 83 00-0872	EA	6000 DUCT MOUNT ASSY. FLAT (Scott Safety 093-0502)	959.44	39.33
46 82 83 00-0873	EA	6000 DISPLAY PCB ONLY (Scott Safety 093-0503)	2,226.54	91.27
46 82 83 00-0874	EA	6000 ALARM RELAYS /RS-485 OPT. (Scott Safety 093-0504)	801.05	32.84
46 82 83 00-0875	EA	6000 ISOLATED 4-20MA OUTPUT (Scott Safety 093-0505)	801.05	32.84
46 82 83 00-0876	EA	6000 SENSOR HEAD SPLASH GUARD (Scott Safety 093-0507)	143.17	5.86
46 82 83 00-0877	EA	FREEDOM 6000 RIBBON CABLE (Scott Safety 093-0513)	97.47	4.00
46 82 83 00-0878	EA	FREEDOM 6000 SENSOR (PROPANE) (Scott Safety 093-0515)	1,337.13	54.82
46 82 83 00-0879	EA	STROBE LIGHT, RED (Scott Safety 093-0518)	1,672.19	68.54
46 82 83 00-0880	EA	BATTERY, D CELL 3.6 V LITHIUM (Scott Safety 093-0519)	402.07	16.49
46 82 83 00-0881	EA	SENSOR, COMBUSTIBLE (Scott Safety 093-0524)	472.10	19.36
46 82 83 00-0882	EA	6000 STAINLESS STEEL ENCLOSURE (Scott Safety 093-0535)	956.40	39.21
46 82 83 00-0883	EA	SENSOR IR CO2 0-5% (Scott Safety 093-0536)	1,209.23	49.57
46 82 83 00-0884	EA	7400 PLUS DISPLAY BOARD (Scott Safety 093-0538)	2,010.28	82.41
46 82 83 00-0885	EA	METAL FILTER GAS ADAPTER (Scott Safety 093-0540)	368.55	15.11
46 82 83 00-0886	EA	TITL MOUNT FV40 (Scott Safety 093-0543)	417.29	17.11
46 82 83 00-0887	EA	FV40 AIR SHIELD ASSEMBLY (Scott Safety 093-0548)	2,284.40	93.65
46 82 83 00-0888	EA	FV40 LASER (POINTER) AIMER (Scott Safety 093-0549)	1,742.24	71.41
46 82 83 00-0889	EA	FV40 WEATHER PROTECTION ASSY. (Scott Safety 093-0552)	487.33	19.98
46 82 83 00-0890	EA	FV40 I3 W2 FM 3/4" 75C SS (Scott Safety 093-0556-10)	9,131.51	374.33
46 82 83 00-0891	EA	FV40 PROGRAMMER AND INTERFACE (Scott Safety 093-0565)	959.44	39.33
46 82 83 00-0892	EA	FV40 BRACKET ASSEMBLY 2" DIA. (Scott Safety 093-0566)	493.44	20.22
46 82 83 00-0893	EA	FV40 BRACKET ASSEMBLY 3" DIA. (Scott Safety 093-0567)	493.44	20.22
46 82 83 00-0894	EA	I/O PC BOARD (Scott Safety 093-0568)	2,415.37	99.01
46 82 83 00-0895	EA	SENTINEL 6 7600-2-3-1-1-1-1 (Scott Safety 093-0569)	13,858.71	568.12
46 82 83 00-0896	EA	Cover, Alum Encl, Meridian (Scott Safety 093-0603)	197.98	8.11
46 82 83 00-0897	EA	Cover, Stainless Encl, Meridia (Scott Safety 093-0604)	472.10	19.36
46 82 83 00-0898	EA	7200+,4X,4-20 IN,CSA (Scott Safety 093-0616)	4,051.00	166.06
46 82 83 00-0899	EA	7200+,4X,CATBEAD IN,CSA (Scott Safety 093-0617)	4,386.04	179.80
46 82 83 00-0900	EA	7400+,4X,CATBEAD IN,CSA (Scott Safety 093-0618)	8,589.35	352.10
46 82 83 00-0901	EA	7400+,4X,4-20 IN,CSA (Scott Safety 093-0619)	8,071.55	330.88
46 82 83 00-0902	EA	7200+,4X,4-20 IN,RELAY,PIEZO (Scott Safety 093-0620)	4,842.93	198.53
46 82 83 00-0903	EA	BATTERY BACKUP SYSTEM (Scott Safety 096-0719)	3,380.91	138.59
46 82 83 00-0904	EA	6800 POWER SUPPLY MODULE ASSY (Scott Safety 096-1275)	2,391.01	98.01
46 82 83 00-0905	EA	6800 CPU PC BOARD ASSEMBLY (Scott Safety 096-1284)	2,391.01	98.01
46 82 83 00-0906	EA	6800 POWER SUPPLY PC BD ASSY (Scott Safety 096-1285)	2,025.50	83.03
46 82 83 00-0907	EA	6800 REC. MODULE-DISPLAY PC BD (Scott Safety 096-1288)	1,215.30	49.83
46 82 83 00-0908	EA	SCREW-ON RAIN SHIELD/CAL ADAPT (Scott Safety 096-1621)	252.80	10.36
46 82 83 00-0909	EA	RELAY ALARM SYSTEM FINAL ASSY (Scott Safety 096-2123)	11,330.64	464.48
46 82 83 00-0910	EA	RELAY ALARM SYSTEM W/FAILSAFE (Scott Safety 096-2123FS)	12,762.19	523.17
46 82 83 00-0911	EA	RELAY ALARM SYSTEM FINAL ASSY. (Scott Safety 096-2123SS)	12,762.19	523.17
46 82 83 00-0912	EA	SERIES 7400 POWER SUPPLY PCBA (Scott Safety 096-2383)	2,132.11	87.40
46 82 83 00-0913	EA	SERIES 7400 CPU PCB ASSY. (Scott Safety 096-2384)	1,227.48	50.32
46 82 83 00-0914	EA	HCN FILTER FOR COCL2 SENSORS (Scott Safety 096-2386)	529.98	21.73
46 82 83 00-0915	EA	GENERIC GAS CAL KIT W/1LPM REG (Scott Safety 096-2393)	1,337.13	54.82
46 82 83 00-0916	EA	4600 25 PPM CO/AIR CAL. KIT (Scott Safety 096-2394)	1,988.95	81.54
46 82 83 00-0917	EA	4600 SST H2S TEST GEN ASSY. (Scott Safety 096-2409)	1,754.41	71.93
46 82 83 00-0918	EA	SENSOR F/A 4635 MMH 0-50 PPM (Scott Safety 096-2423-0050)	1,343.22	55.07
46 82 83 00-0919	EA	4600IR GAS TEST ASSEMBLY (Scott Safety 096-2449)	268.03	10.99
46 82 83 00-0920	EA	RS SCRW-ON RAIN SHLD/CAL ADAPT (Scott Safety 096-2469)	258.89	10.61
46 82 83 00-0921	EA	CABLE ASSY,4600/4600MB REMOTE (Scott Safety 096-2494)	432.52	17.73
46 82 83 00-0922	EA	DISPLAY BOARD ASSY. MODIFIED (Scott Safety 096-2497-1PYR)	737.11	30.21
46 82 83 00-0923	EA	Comb. Gas Cal Kit for 7HP Cyl. 0.5 LPM Female Reg. (Scott Safety 096-2506-4)	700.55	28.71
46 82 83 00-0924	EA	Q-NET TO NICII STD. UPGRADE (Scott Safety 096-2610-5)	3,715.97	152.33
46 82 83 00-0925	EA	Q-NET TO NIC II,W/RELAYS (Scott Safety 096-2611-1)	4,782.01	196.03
46 82 83 00-0926	EA	CABLE ASSY,DISPLAY TO P/S (Scott Safety 096-2613)	94.42	3.88
46 82 83 00-0927	EA	ASSY,3000/5000 WALL MTG PLATE (Scott Safety 096-2618)	109.67	4.50
46 82 83 00-0928	EA	1/4T FLOWCELL ASSY. (NORYL) (Scott Safety 096-2669)	359.41	14.73
46 82 83 00-0929	EA	COND. HUMIDITY ENDCAP ASSY (Scott Safety 096-2673)	274.12	11.24
46 82 83 00-0930	EA	DIFFUSION DETECTOR ASSEMBLY (Scott Safety 096-2678)	1,458.97	59.81
46 82 83 00-0931	EA	POSITIVE FLOW DETECTOR ASSY. (Scott Safety 096-2679)	1,364.55	55.93
46 82 83 00-0932	EA	SERIES 7400 REMOTE RELAY PCBA (Scott Safety 096-2688)	1,315.81	53.94
46 82 83 00-0933	EA	SER 7400 REMOTE RELAY ASSEMBLY (Scott Safety 096-2691)	1,577.76	64.68
46 82 83 00-0934	EA	SNSR HOUSING ASSY(FOR CONDUIT) (Scott Safety 096-2706-1)	928.98	38.08
46 82 83 00-0935	EA	3/4" FLEX CONDUIT ASSY./3 FT. (Scott Safety 096-2707)	1,270.14	52.06
46 82 83 00-0936	EA	RAIN SHIELD BASE ASSEMBLY (Scott Safety 096-2709)	405.09	16.61
46 82 83 00-0937	EA	ENDCAP ASSY W/IPA FILTER (Scott Safety 096-2719)	785.84	32.21
46 82 83 00-0938	EA	HOSE DOWN ADAPTER BASE ASSY. (Scott Safety 096-2727)	399.01	16.36
46 82 83 00-0939	EA	7400/SAFESPACE ENCLOSURE DRILL (Scott Safety 096-2728)	405.09	16.61
46 82 83 00-0940	EA	SENSOR HOUSING ASSY. W/WINDOW (Scott Safety 096-2735-1)	688.37	28.22
46 82 83 00-0941	EA	SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2735-2)	1,047.77	42.95
46 82 83 00-0942	EA	SST SNSR HOUSING ASSY W/WINDOW (Scott Safety 096-2736-1)	1,251.85	51.31
46 82 83 00-0943	EA	STAINLESS STEEL SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2736-2)	2,518.93	103.26
46 82 83 00-0944	EA	DISPLAY/OVERLAY ASY W/MAGNETIC (Scott Safety 096-2739)	697.50	28.59
46 82 83 00-0945	EA	DISPLAY/OVERLAY ASY W/P-BUTTON (Scott Safety 096-2739-1)	721.87	29.59
46 82 83 00-0946	EA	4888 H2 2% (50% LEL) CAL KIT (Scott Safety 096-2745)	1,921.95	78.78
46 82 83 00-0947	EA	PROPANE 0.9% (40.9%LEL)CAL KIT (Scott Safety 096-2746)	1,921.95	78.78
46 82 83 00-0948	EA	METHANE 2.5% (50% LEL) CAL KIT (Scott Safety 096-2747)	1,921.95	78.78
46 82 83 00-0949	EA	GENERIC CALIBRATION KIT (Scott Safety 096-2748)	846.75	34.71
46 82 83 00-0950	EA	H2S - Model 21 Low Methanol Sensitivity [25 PPM] (Scott Safety 096-2751-0025)	1,955.45	80.16
46 82 83 00-0951	EA	SENSOR F/A H2S-LM 0-50 PPM (Scott Safety 096-2751-0050)	1,955.45	80.16

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46 82 83 00-0952	EA	SENSOR F/A H2S-LM 0-100 PPM (Scott Safety 096-2751-0100)	1,955.45	80.16
46 82 83 00-0953	EA	H2S - Model 21 Low Methanol Sensitivity [200 PPM] (Scott Safety 096-2751-0200)	1,955.45	80.16
46 82 83 00-0954	EA	SENSOR SIMULATOR ASSEMBLY (Scott Safety 096-2773)	746.23	30.59
46 82 83 00-0955	EA	STAINLESS STEEL TAG W/WIRE (Scott Safety 096-2776)	97.47	4.00
46 82 83 00-0956	EA	EXPLOSION-PROOF J-BOX ASSEMBLY (Scott Safety 096-2794)	721.87	29.59
46 82 83 00-0957	EA	10 Conductors, SST Remote Sensor, Cable Assembly (Scott Safety 096-2798)	344.18	14.12
46 82 83 00-0958	EA	8 Conductors, Remote Sensor Cable Assembly (Scott Safety 096-2799)	161.42	6.62
46 82 83 00-0959	EA	I/O BOARD ASSY. MOD/NIC II LEL (Scott Safety 096-2805)	1,312.77	53.81
46 82 83 00-0960	EA	REM SENSOR HSNG ASSY W/WINDOW (Scott Safety 096-2806-1)	758.43	31.09
46 82 83 00-0961	EA	REMOTE SENSOR HOUSING ASSEMBLY Without WINDOW (Scott Safety 096-2806-2)	758.43	31.09
46 82 83 00-0962	EA	SENTINEL II ASSY 2 CH W/BATT (Scott Safety 096-2815-4)	4,629.72	189.79
46 82 83 00-0963	EA	7200 P/S PCB ASSY 1 CHANNEL (Scott Safety 096-2817-1)	1,233.58	50.57
46 82 83 00-0964	EA	7200 P/S PCB ASSY 2 CHANNEL (Scott Safety 096-2817-2)	1,839.70	75.41
46 82 83 00-0965	EA	7200 CPU PCB ASSEMBLY 2 CHANEL (Scott Safety 096-2818-2)	1,434.61	58.80
46 82 83 00-0966	EA	BATTERY BACK-UP CABLE ASSY (Scott Safety 096-2819)	173.63	7.12
46 82 83 00-0967	EA	7200 BATTERY BACK-UP ASSY (Scott Safety 096-2830)	462.98	18.99
46 82 83 00-0968	EA	CALIBRATION KIT, 5 PPM ETO (Scott Safety 096-2858)	2,275.27	93.26
46 82 83 00-0969	EA	CALIBRATION KIT, 10 PPM ETO (Scott Safety 096-2859)	2,275.27	93.26
46 82 83 00-0970	EA	4600 SENSOR HOUSING TEST UNIT (Scott Safety 096-2898)	307.63	12.61
46 82 83 00-0971	EA	4615 ETO SENSOR ASSY.,0-10 PPM (Scott Safety 096-2905-0010)	1,273.17	52.20
46 82 83 00-0972	EA	6V DETECTOR BODY ASSEMBLY (Scott Safety 096-2931)	1,014.26	41.58
46 82 83 00-0973	EA	6V DIFFUSION DETECTOR ASSEMBLY (Scott Safety 096-2932)	2,055.96	84.29
46 82 83 00-0974	EA	6V SAMPLE DRAW ASSEMBLY (Scott Safety 096-2932-2)	3,106.79	127.37
46 82 83 00-0975	EA	POREX FILTER MEMBRANE REPL KIT (Scott Safety 096-2947)	194.93	7.99
46 82 83 00-0976	EA	Q-NET TO NICII CONVERT,4-20MA (Scott Safety 096-3005-1)	4,690.64	192.29
46 82 83 00-0977	EA	Q-NET TO NICII CONVERT,4-20MA (Scott Safety 096-3005-2)	4,995.22	204.77
46 82 83 00-0978	EA	VITON O-RING KIT (Scott Safety 096-3021)	57.87	2.37
46 82 83 00-0979	EA	LOW COST CAL KIT, 50 PPM CO (Scott Safety 096-3040)	569.59	23.35
46 82 83 00-0980	EA	LOW COST CAL KIT, 18.5% O2 (Scott Safety 096-3041)	971.64	39.83
46 82 83 00-0981	EA	LOW COST CAL KIT, 25 PPM H2S (Scott Safety 096-3042)	1,005.14	41.20
46 82 83 00-0982	EA	LOW COST CAL KIT, 1 PPM PH3 (Scott Safety 096-3043)	1,672.19	68.54
46 82 83 00-0983	EA	LOW COST CAL KIT, 5 PPM CL2 (Scott Safety 096-3047)	1,672.19	68.54
46 82 83 00-0984	EA	LOW COST CAL KIT, 25 PPM NH3 (Scott Safety 096-3048)	1,672.19	68.54
46 82 83 00-0985	EA	4888 NIC II 6V POISON RESIS (Scott Safety 096-3153)	5,086.60	208.52
46 82 83 00-0986	EA	ALARM SYS FINAL ASSY (Scott Safety 096-3179)	3,898.71	159.83
46 82 83 00-0987	EA	DRAW PANEL ASPIRATOR SS TUBING (Scott Safety 096-3194-1)	25,950.80	1,063.81
46 82 83 00-0988	EA	DRAW PANEL ASPIRATOR CU TUBING (Scott Safety 096-3195-1)	24,732.46	1,013.86
46 82 83 00-0989	EA	4600IR/4679CO2 VERS. P/S BOARD (Scott Safety 096-3196)	1,766.61	72.42
46 82 83 00-0990	EA	4600MB COND. HUMID. SNSR ASSY (Scott Safety 096-3197)	904.64	37.08
46 82 83 00-0991	EA	STD SENSOR FLOW CELL KIT FLEX (Scott Safety 096-3198-2)	395.96	16.23
46 82 83 00-0992	EA	RS SENSOR FLOW CELL KIT FLEX (Scott Safety 096-3199-2)	395.96	16.23
46 82 83 00-0993	EA	STD SENSOR FLOW CELL KIT RIGID (Scott Safety 096-3200-2)	94.42	3.88
46 82 83 00-0994	EA	RS SENSOR FLOW CELL KIT RIGID (Scott Safety 096-3201-2)	124.89	5.12
46 82 83 00-0995	EA	SINGLE POINT DRAW PANEL W/PUMP (Scott Safety 096-3210)	10,142.75	415.78
46 82 83 00-0996	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-1)	1,696.55	69.55
46 82 83 00-0997	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-2)	3,167.70	129.86
46 82 83 00-0998	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-3)	4,294.67	176.06
46 82 83 00-0999	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-4)	5,726.24	234.74
46 82 83 00-1000	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-5)	7,157.79	293.42
46 82 83 00-1001	EA	7800 REMOTE RELAY PANEL ASSY. (Scott Safety 096-3214-6)	8,589.35	352.10
46 82 83 00-1002	EA	NIC II REPLACEMENT KIT (Scott Safety 096-3215)	3,655.06	149.84
46 82 83 00-1003	EA	4600 MODBUS LCD And CPU KIT (Scott Safety 096-3216)	2,208.26	90.52
46 82 83 00-1004	EA	DUAL PT FLW PL-COPPER,LESS XMT (Scott Safety 096-3217)	20,041.82	821.59
46 82 83 00-1005	EA	SNGLE PT SAMPLE DRAW CAB. S.S. (Scott Safety 096-3219-2)	40,966.94	1,679.38
46 82 83 00-1006	EA	GREY PVC FILTER CAGE ASS'Y (Scott Safety 096-3221)	170.58	7.00
46 82 83 00-1007	EA	100 PPM ISOBUTYLENE CAL KIT (Scott Safety 096-3235)	1,891.49	77.54
46 82 83 00-1008	EA	20 PPM ISOBUTYLENE CAL KIT (Scott Safety 096-3236)	1,891.49	77.54
46 82 83 00-1009	EA	CALIBRATION ADAPTER ASSEMBLY (Scott Safety 096-3242)	85.28	3.49
46 82 83 00-1010	EA	PROTEGE 4 GAS FINAL ASSEMBLY (Scott Safety 096-3264)	1,672.19	68.54
46 82 83 00-1011	EA	6000 COMBUSTIBLE HEAD ASSEMBLY (Scott Safety 096-3349)	502.56	20.59
46 82 83 00-1012	EA	CALIBRATION KIT (METHANE) (Scott Safety 096-3350)	1,921.95	78.78
46 82 83 00-1013	EA	FREEDOM 6000 ADAPTER BD ASSY. (Scott Safety 096-3354)	137.07	5.61
46 82 83 00-1014	EA	REMOTE TEST ADAPTER ASSEMBLY (Scott Safety 096-3355)	487.33	19.98
46 82 83 00-1015	EA	DETECTOR GUARD ASSEMBLY (Scott Safety 096-3363)	252.80	10.36
46 82 83 00-1016	EA	REPROGRAMMED ETHANE SENSOR (Scott Safety 096-3368-01)	1,641.73	67.30
46 82 83 00-1017	EA	REPROGRAMMED PROPYLENE SENSOR (Scott Safety 096-3368-02)	1,641.73	67.30
46 82 83 00-1018	EA	REPROGRAMMED METHANOL SENSOR (Scott Safety 096-3368-03)	1,641.73	67.30
46 82 83 00-1019	EA	REPROGRAMMED CYCLOHEXANE SENSO (Scott Safety 096-3368-04)	1,641.73	67.30
46 82 83 00-1020	EA	REPROGRAMMED ACETONE SENSOR (Scott Safety 096-3368-05)	1,641.73	67.30
46 82 83 00-1021	EA	REPROGRAMMED ETHYLENE SENSOR (Scott Safety 096-3368-06)	1,641.73	67.30
46 82 83 00-1022	EA	SENSOR BREAKOUT CAT/IR PCBA (Scott Safety 096-3369)	149.25	6.12
46 82 83 00-1023	EA	4500 O2 SENSOR ASSEMBLY (Scott Safety 096-3374)	1,395.01	57.19
46 82 83 00-1024	EA	ASSEMBLY, DETECTOR BODY (ATEX) (Scott Safety 096-3376)	1,075.18	44.08
46 82 83 00-1025	EA	F6K REMOTE SENSOR HOUSING ASSY (Scott Safety 096-3391)	688.37	28.22
46 82 83 00-1026	EA	NEXT GEN POWER SUPPLY PCBA (Scott Safety 096-3401)	670.09	27.47
46 82 83 00-1027	EA	Terminal / Relay PCBA (Scott Safety 096-3404)	426.42	17.48
46 82 83 00-1028	EA	2 WIRE POWER SUPPLY BOARD ASSY (Scott Safety 096-3407)	350.27	14.36
46 82 83 00-1029	EA	HART Expansion Board Assembly (Scott Safety 096-3408)	609.18	24.97
46 82 83 00-1030	EA	ASSEMBLY,DETECTOR BODY,NEX-GEN (Scott Safety 096-3436-1)	913.76	37.45
46 82 83 00-1031	EA	ASSEMBLY,DETECTOR BODY,NEX-GEN (Scott Safety 096-3436-2)	913.76	37.45
46 82 83 00-1032	EA	ASSEMBLY, CAP, DETECTOR HEAD (Scott Safety 096-3437-1)	60.91	2.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1033	EA	ASSEMBLY, CAP, DETECTOR HEAD (Scott Safety 096-3437-2)	304.58	12.48
46 82 83 00-1034	EA	ASSY,ADAPTER,CALIBRATION,NEX-G (Scott Safety 096-3438)	152.29	6.24
46 82 83 00-1035	EA	ASSY,ADAPTER,FLOW CELL,NEX-GEN (Scott Safety 096-3439)	167.52	6.87
46 82 83 00-1036	EA	ASSY,KIT,DUCT MOUNT ADAPTER (Scott Safety 096-3440)	313.72	12.86
46 82 83 00-1037	EA	ASSEMBLY, DELUGE GUARD (Scott Safety 096-3441)	228.44	9.37
46 82 83 00-1038	EA	DISPLAY ASSEMBLY NEXT GEN (Scott Safety 096-3447-01)	837.61	34.34
46 82 83 00-1039	EA	DISPLAY ASSEMBLY NEXT GEN (Scott Safety 096-3447-02)	1,370.64	56.18
46 82 83 00-1040	EA	BLIND DISPLAY ASSY MERIDIAN (Scott Safety 096-3447-03)	837.61	34.34
46 82 83 00-1041	EA	IS BARRIER PUCK (Scott Safety 096-3448)	365.50	14.98
46 82 83 00-1042	EA	2 WIRE IS BARRIER ASSEMBLY (Scott Safety 096-3449)	304.58	12.48
46 82 83 00-1043	EA	DISPLAY CABLE ASSEMBLY (Scott Safety 096-3456)	45.68	1.88
46 82 83 00-1044	EA	DETECTOR GUARD SEAL KIT (Scott Safety 096-3457)	207.11	8.49
46 82 83 00-1045	EA	ASSEMBLY, FLOW CELL, DETECTOR (Scott Safety 096-3464)	651.81	26.72
46 82 83 00-1046	EA	SENSOR, ASSEMBLY, NG CO (Scott Safety 096-3473-01)	1,218.35	49.95
46 82 83 00-1047	EA	SENSOR, ASSEMBLY, H2S-LM (Scott Safety 096-3473-02)	913.76	37.45
46 82 83 00-1048	EA	SENSOR, ASSEMBLY, NH3 (Scott Safety 096-3473-03)	1,218.35	49.95
46 82 83 00-1049	EA	SENSOR, ASSEMBLY, SO2 HRH (Scott Safety 096-3473-05)	1,099.56	45.08
46 82 83 00-1050	EA	SENSOR, ASSEMBLY, SIH4 (Scott Safety 096-3473-09)	1,827.53	74.92
46 82 83 00-1051	EA	SENSOR, ASSEMBLY, HCN (Scott Safety 096-3473-11)	1,142.21	46.82
46 82 83 00-1052	EA	SENSOR, ASSEMBLY, NG O2 (Scott Safety 096-3473-19)	913.76	37.45
46 82 83 00-1053	EA	SENSOR, ASSEMBLY, CL2 RS HRH (Scott Safety 096-3473-20)	1,218.35	49.95
46 82 83 00-1054	EA	SENSOR, ASSEMBLY, CL2 RS LRH (Scott Safety 096-3473-21)	1,218.35	49.95
46 82 83 00-1055	EA	SENSOR, ASSEMBLY, F2 RS HRH (Scott Safety 096-3473-22)	1,218.35	49.95
46 82 83 00-1056	EA	SENSOR, ASSEMBLY, F2 RS LRH (Scott Safety 096-3473-23)	1,218.35	49.95
46 82 83 00-1057	EA	SENSOR, ASSEMBLY, BR2 RS HRH (Scott Safety 096-3473-24)	1,218.35	49.95
46 82 83 00-1058	EA	SENSOR, ASSEMBLY, HCL RS HRH (Scott Safety 096-3473-25)	1,218.35	49.95
46 82 83 00-1059	EA	SENSOR, ASSEMBLY, HCL RS LRH (Scott Safety 096-3473-26)	1,218.35	49.95
46 82 83 00-1060	EA	SENSOR, ASSEMBLY, HF RS HRH (Scott Safety 096-3473-27)	1,218.35	49.95
46 82 83 00-1061	EA	SENSOR, ASSEMBLY, HF RS LRH (Scott Safety 096-3473-28)	1,218.35	49.95
46 82 83 00-1062	EA	SENSOR, ASSEMBLY, SO2 RS HRH (Scott Safety 096-3473-31)	1,218.35	49.95
46 82 83 00-1063	EA	SENSOR, ASSEMBLY, SO2 RS LRH (Scott Safety 096-3473-32)	1,218.35	49.95
46 82 83 00-1064	EA	SENSOR, ASSEMBLY, CLO2 RS HRH (Scott Safety 096-3473-37)	1,599.08	65.55
46 82 83 00-1065	EA	SENSOR, ASSEMBLY, CLO2 RS LRH (Scott Safety 096-3473-38)	1,599.08	65.55
46 82 83 00-1066	EA	SENSOR, ASSEMBLY, O3 RS HRH (Scott Safety 096-3473-39)	1,294.49	53.07
46 82 83 00-1067	EA	SENSOR, ASSEMBLY, NO2 (Scott Safety 096-3473-54)	1,020.36	41.83
46 82 83 00-1068	EA	SENSOR,ASSY,NG COMB CAT BEAD (Scott Safety 096-3473-55)	816.86	33.48
46 82 83 00-1069	EA	SENSOR, ASSEMBLY, NG COMB IR (Scott Safety 096-3473-56)	1,536.77	63.00
46 82 83 00-1070	EA	SENSOR, ASSEMBLY, NG CO2 IR (Scott Safety 096-3473-58)	1,509.08	61.87
46 82 83 00-1071	EA	JUNCTION BOX ASSEMBLY NEXT GEN (Scott Safety 096-3475)	472.10	19.36
46 82 83 00-1072	EA	JCT BOX ASSY MERIDIAN INMETRO (Scott Safety 096-3475-01)	472.10	19.36
46 82 83 00-1073	EA	AL,3/4 WIRE,4-20/MOD,STD,1 SEN (Scott Safety 096-3480-01)	3,198.16	131.10
46 82 83 00-1074	EA	SS,3/4 WIRE,4-20/MOD,STD 1 SEN (Scott Safety 096-3480-02)	3,929.17	161.06
46 82 83 00-1075	EA	AL,3-4 Wire,Heated,Plastic Ca (Scott Safety 096-3480-03)	3,655.06	149.84
46 82 83 00-1076	EA	SS,3/4 WIRE,4-20/MOD,HEAT,1SEN (Scott Safety 096-3480-04)	4,264.21	174.81
46 82 83 00-1077	EA	AL,3-4 Wire,Standard,SS End Ca (Scott Safety 096-3480-05)	3,380.91	138.59
46 82 83 00-1078	EA	SS,3-4 Wire,Standard,SS End Ca (Scott Safety 096-3480-06)	4,020.54	164.82
46 82 83 00-1079	EA	AL,3-4 Wire,Heated,SS End Cap (Scott Safety 096-3480-07)	3,868.26	158.57
46 82 83 00-1080	EA	SS, 3/4 WIRE, 4-20/Mod, HART, (Scott Safety 096-3480-08)	4,477.42	183.55
46 82 83 00-1081	EA	ASSEMBLY, CHAIN (Scott Safety 096-3482)	60.91	2.50
46 82 83 00-1082	EA	NPT TO NPT WIRE GLAND ASSEMBLY (Scott Safety 096-3483)	609.18	24.97
46 82 83 00-1083	EA	DET HEAD END CAP ASSY 3/4 WIRE (Scott Safety 096-3484-01)	974.68	39.95
46 82 83 00-1084	EA	DET HEAD END CAP ASSY 2 WIRE (Scott Safety 096-3484-02)	1,066.05	43.70
46 82 83 00-1085	EA	DET HEAD PLAS END CAP 2 WIRE (Scott Safety 096-3484-03)	974.68	39.95
46 82 83 00-1086	EA	DET HEAD SS END CAP 2 WIRE (Scott Safety 096-3484-04)	1,099.56	45.08
46 82 83 00-1087	EA	DET HEAD PLAS END CAP 3/4 WIRE (Scott Safety 096-3484-05)	974.68	39.95
46 82 83 00-1088	EA	DET HEAD SS END CAP 3/4 WIRE (Scott Safety 096-3484-06)	968.59	39.70
46 82 83 00-1089	EA	AL, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-01)	5,482.55	224.76
46 82 83 00-1090	EA	SS, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-02)	6,274.48	257.22
46 82 83 00-1091	EA	AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-03)	5,939.45	243.47
46 82 83 00-1092	EA	SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-04)	6,731.38	275.94
46 82 83 00-1093	EA	AL, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-05)	5,665.31	232.25
46 82 83 00-1094	EA	SS, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-06)	6,457.23	264.71
46 82 83 00-1095	EA	AL, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-07)	6,122.20	250.97
46 82 83 00-1096	EA	SS, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-08)	6,944.59	284.68
46 82 83 00-1097	EA	AL, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-09)	7,614.67	312.16
46 82 83 00-1098	EA	SS, 3-4 Wire, Standard, Plasti (Scott Safety 096-3493-10)	8,223.85	337.12
46 82 83 00-1099	EA	AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-11)	8,071.55	330.88
46 82 83 00-1100	EA	SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3493-12)	8,680.73	355.86
46 82 83 00-1101	EA	AL, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-13)	7,888.80	323.39
46 82 83 00-1102	EA	SS, 3-4 Wire, Standard, SS End (Scott Safety 096-3493-14)	8,497.97	348.37
46 82 83 00-1103	EA	AL, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-15)	8,345.68	342.11
46 82 83 00-1104	EA	SS, 3-4 Wire, Heated, SS End C (Scott Safety 096-3493-16)	8,954.86	367.08
46 82 83 00-1105	EA	MERIDIAN CONNECTOR/JUMPER KIT (Scott Safety 096-3495)	167.52	6.87
46 82 83 00-1106	EA	MERIDIAN SCREW REPLACEMENT KIT (Scott Safety 096-3496)	16.75	0.69
46 82 83 00-1107	EA	MERIDIAN STANDOFF REPLACE KIT (Scott Safety 096-3497)	76.14	3.12
46 82 83 00-1108	EA	MERIDIAN O-RING REPLACE KIT (Scott Safety 096-3498)	36.55	1.51
46 82 83 00-1109	EA	CALIBRATION KIT, STANDARD (Scott Safety 096-3500)	959.44	39.33
46 82 83 00-1110	EA	CALIBRATION KIT, REACTIVE GAS (Scott Safety 096-3501)	959.44	39.33
46 82 83 00-1111	EA	CALIBRATION KIT, HIGH FLOW (Scott Safety 096-3502)	959.44	39.33
46 82 83 00-1112	EA	SS JUNCTION BOX ASSEMBLY (Scott Safety 096-3520)	1,099.56	45.08
46 82 83 00-1113	EA	SS JUNCTION BOX ASSEMBLY INM (Scott Safety 096-3520-01)	1,099.56	45.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1114	EA	SALES DISPLAY KIT (USA) (Scott Safety 096-3523-01)	15,229.35	624.30
46 82 83 00-1115	EA	SALES DISPLAY KIT (CANADA) (Scott Safety 096-3523-02)	15,229.35	624.30
46 82 83 00-1116	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-01)	2,741.29	112.37
46 82 83 00-1117	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-02)	3,441.84	141.09
46 82 83 00-1118	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-03)	3,070.78	125.88
46 82 83 00-1119	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-04)	3,751.96	153.80
46 82 83 00-1120	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-05)	2,741.29	112.37
46 82 83 00-1121	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3533-06)	3,441.84	141.09
46 82 83 00-1122	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-07)	2,917.93	119.62
46 82 83 00-1123	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3533-08)	3,624.60	148.58
46 82 83 00-1124	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-01)	3,807.34	156.07
46 82 83 00-1125	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-02)	3,898.71	159.83
46 82 83 00-1126	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-03)	4,416.50	181.05
46 82 83 00-1127	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3534-04)	4,629.72	189.79
46 82 83 00-1128	EA	AL, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-05)	3,502.75	143.58
46 82 83 00-1129	EA	AL, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-06)	3,715.97	152.33
46 82 83 00-1130	EA	SS, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-07)	4,111.92	168.56
46 82 83 00-1131	EA	SS, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-08)	4,325.13	177.30
46 82 83 00-1132	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3534-09)	4,264.21	174.81
46 82 83 00-1133	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3534-10)	4,355.58	178.55
46 82 83 00-1134	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3534-11)	4,873.39	199.78
46 82 83 00-1135	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3534-12)	4,964.76	203.52
46 82 83 00-1136	EA	AL, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-13)	3,502.75	143.58
46 82 83 00-1137	EA	AL, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-14)	3,594.13	147.34
46 82 83 00-1138	EA	SS, 3-4 Wire, Blind, HART, Pla (Scott Safety 096-3534-15)	4,111.92	168.56
46 82 83 00-1139	EA	SS, 3-4 Wire, Blind, HART, SS (Scott Safety 096-3534-16)	4,325.13	177.30
46 82 83 00-1140	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-01)	6,091.73	249.73
46 82 83 00-1141	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-02)	6,700.91	274.70
46 82 83 00-1142	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-03)	6,548.62	268.45
46 82 83 00-1143	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-04)	7,157.79	293.42
46 82 83 00-1144	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-05)	6,274.48	257.22
46 82 83 00-1145	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-06)	7,096.87	290.93
46 82 83 00-1146	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-07)	6,731.38	275.94
46 82 83 00-1147	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-08)	7,553.76	309.66
46 82 83 00-1148	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-09)	8,223.85	337.12
46 82 83 00-1149	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-10)	8,833.03	362.09
46 82 83 00-1150	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-11)	8,680.73	355.86
46 82 83 00-1151	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3535-12)	9,289.90	380.83
46 82 83 00-1152	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-13)	8,497.97	348.37
46 82 83 00-1153	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3535-14)	9,107.15	373.34
46 82 83 00-1154	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-15)	8,954.86	367.08
46 82 83 00-1155	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3535-16)	9,564.03	392.06
46 82 83 00-1156	EA	GUARD, DETECTOR, 5.5V, F6000 (Scott Safety 096-3536)	252.80	10.36
46 82 83 00-1157	EA	A-FRAME SALES DISPLAY ONLY (Scott Safety 096-3541-00)	761.47	31.21
46 82 83 00-1158	EA	A-FRAME SALES DISPLAY ASSY USA (Scott Safety 096-3541-01)	4,081.46	167.32
46 82 83 00-1159	EA	A-FRAME SALES DISPLAY ASSY CAN (Scott Safety 096-3541-02)	4,233.75	173.56
46 82 83 00-1160	EA	IS TERMINAL BLOCK KIT (Scott Safety 096-3550)	45.68	1.88
46 82 83 00-1161	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-01)	2,741.29	112.37
46 82 83 00-1162	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-02)	3,441.84	141.09
46 82 83 00-1163	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-03)	2,917.93	119.62
46 82 83 00-1164	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-04)	3,533.21	144.84
46 82 83 00-1165	EA	AL,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-05)	2,741.29	112.37
46 82 83 00-1166	EA	SS,2 Wire,Standard,Plastic Cap (Scott Safety 096-3557-06)	3,441.84	141.09
46 82 83 00-1167	EA	AL,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-07)	2,917.93	119.62
46 82 83 00-1168	EA	SS,2 Wire,Standard,SS End Cap (Scott Safety 096-3557-08)	3,594.13	147.34
46 82 83 00-1169	EA	AL, 3-4 Wire, Standard,Plastic (Scott Safety 096-3558-01)	3,198.16	131.10
46 82 83 00-1170	EA	SS, 3-4 Wire, Standard,Plastic (Scott Safety 096-3558-02)	3,929.17	161.06
46 82 83 00-1171	EA	AL, 3-4 Wire, Heated, Plastic (Scott Safety 096-3558-03)	3,655.06	149.84
46 82 83 00-1172	EA	SS, 3-4 Wire, Heated, Plastic (Scott Safety 096-3558-04)	4,264.21	174.81
46 82 83 00-1173	EA	AL, 3-4 Wire, Standard, SS EC (Scott Safety 096-3558-05)	3,380.91	138.59
46 82 83 00-1174	EA	SS, 3-4 Wire, Standard, SS EC (Scott Safety 096-3558-06)	4,020.54	164.82
46 82 83 00-1175	EA	AL, 3-4 Wire, Heated, SS EC (Scott Safety 096-3558-07)	3,868.26	158.57
46 82 83 00-1176	EA	SS, 3-4 Wire, Heated, SS EC (Scott Safety 096-3558-08)	4,477.42	183.55
46 82 83 00-1177	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-09)	3,807.34	156.07
46 82 83 00-1178	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-10)	4,416.50	181.05
46 82 83 00-1179	EA	AL, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3558-11)	4,264.21	174.81
46 82 83 00-1180	EA	SS, 3-4 Wire, Heated, HART, Pl (Scott Safety 096-3558-12)	4,873.39	199.78
46 82 83 00-1181	EA	AL, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-13)	3,898.71	159.83
46 82 83 00-1182	EA	SS, 3-4 Wire, Standard, HART, (Scott Safety 096-3558-14)	4,629.72	189.79
46 82 83 00-1183	EA	AL, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3558-15)	4,355.58	178.55
46 82 83 00-1184	EA	SS, 3-4 Wire, Heated, HART, SS (Scott Safety 096-3558-16)	5,117.06	209.77
46 82 83 00-1185	EA	REMOTE JUNCTION BOX ASSY AL (Scott Safety 096-3559-01)	350.27	14.36
46 82 83 00-1186	EA	REMOTE JUNCTION BOX ASSY SS (Scott Safety 096-3559-02)	1,066.05	43.70
46 82 83 00-1187	EA	INMETRO 2 WIRE AL INTEGRAL (Scott Safety 096-3563-01)	2,823.52	115.75
46 82 83 00-1188	EA	INMETRO 2 WIRE SS INTEGRAL (Scott Safety 096-3563-02)	3,441.84	141.09
46 82 83 00-1189	EA	INMETRO 3/4 WIRE AL INTEGRUL (Scott Safety 096-3564-01)	3,289.54	134.86
46 82 83 00-1190	EA	INMETRO 3/4 WIRE SS INTEGRUL (Scott Safety 096-3564-02)	3,929.17	161.06
46 82 83 00-1191	EA	INM 3/4 WIRE BLIND AL INTEGRUL (Scott Safety 096-3564-03)	3,009.31	123.36
46 82 83 00-1192	EA	INM 3/4 WIRE BLIND SS INTEGRUL (Scott Safety 096-3564-04)	3,655.06	149.84
46 82 83 00-1193	EA	INMETRO 2 WIRE AL REMOTE HEAD (Scott Safety 096-3565-01)	2,823.52	115.75
46 82 83 00-1194	EA	INMETRO 2 WIRE SS REMOTE HEAD (Scott Safety 096-3565-02)	3,441.84	141.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1195	EA	INMETRO 3-4 WIRE AL REMOTE (Scott Safety 096-3566-01)	3,198.16	131.10
46 82 83 00-1196	EA	INMETRO 3-4 WIRE SS REMOTE (Scott Safety 096-3566-02)	3,929.17	161.06
46 82 83 00-1197	EA	INM 3-4 WIRE BLIND AL REMOTE (Scott Safety 096-3566-03)	3,502.75	143.58
46 82 83 00-1198	EA	INM 3-4 WIRE BLIND SS REMOTE (Scott Safety 096-3566-04)	4,111.92	168.56
46 82 83 00-1199	EA	2 HEAD,AL ENCLOSURE, STANDARD (Scott Safety 096-3568-01)	5,482.55	224.76
46 82 83 00-1200	EA	2 HEAD,SS ENCLOSURE, STANDARD (Scott Safety 096-3568-02)	6,274.48	257.22
46 82 83 00-1201	EA	3 HEAD,AL ENCLOSURE, STANDARD (Scott Safety 096-3569-01)	7,614.67	312.16
46 82 83 00-1202	EA	3 HEAD,SS ENCLOSURE, STANDARD (Scott Safety 096-3569-02)	8,223.85	337.12
46 82 83 00-1203	EA	MERIDIAN HART CEC KIT (Scott Safety 096-3579-01)	609.18	24.97
46 82 83 00-1204	EA	7400 SOFTWARE CODE (2 CHANNEL) (Scott Safety 099-0008-2)	877.21	35.96
46 82 83 00-1205	EA	7400 SOFTWARE CODE (3 CHANNEL) (Scott Safety 099-0008-3)	877.21	35.96
46 82 83 00-1206	EA	7400 SOFTWARE CODE (4 CHANNEL) (Scott Safety 099-0008-4)	877.21	35.96
46 82 83 00-1207	EA	3-POINT FLOW PANEL FINAL ASSY. (Scott Safety 099-2001)	16,599.98	680.49
46 82 83 00-1208	EA	SWIVEL BALL JOINT MTG-ENGLISH (Scott Safety 2020-003)	551.31	22.60
46 82 83 00-1209	EA	EXT. RANGE SIMULATOR LENS (Scott Safety 2020-190)	2,214.35	90.77
46 82 83 00-1210	EA	IR SIMULATOR (Scott Safety 2020-310)	15,278.09	626.30
46 82 83 00-1211	EA	UV And UV/IR SIMULATOR (Scott Safety 2020-311)	14,324.70	587.22
46 82 83 00-1212	EA	SINGLE IR FIRE SIMULATOR (Scott Safety 2020-312)	13,880.03	568.99
46 82 83 00-1213	EA	MULTI IR FIRE SIMULATOR (Scott Safety 2020-313)	15,412.09	631.80
46 82 83 00-1214	EA	IR3 AIR SHIELD/PURGE (Scott Safety 2020-920)	916.81	37.59
46 82 83 00-1215	EA	UV And UV/IR AIR SHIELD/PURGE (Scott Safety 2020-930)	916.81	37.59
46 82 83 00-1216	EA	SOC SET SCREW,CUP PT,6X3/16,SS (Scott Safety 33351-017)	20.10	0.82
46 82 83 00-1217	EA	ZINC ELECTRODE,K (Scott Safety 3480-6200)	88.32	3.61
46 82 83 00-1218	EA	2.5%NATURAL GAS CYLINDER(HM) (Scott Safety 40000035)	152.29	6.24
46 82 83 00-1219	EA	FLOW BLOCK FOR 40013029 (Scott Safety 40000922)	660.96	27.10
46 82 83 00-1220	EA	REGULATOR,AIR PRESSURE (Scott Safety 40001723)	1,285.36	52.69
46 82 83 00-1221	EA	AIR ASPIRATOR ASSEMBLY (S.S.) (Scott Safety 40002139)	1,014.26	41.58
46 82 83 00-1222	EA	NOZZLE, AIR ASPIRATOR, S.S. (Scott Safety 40002727)	161.42	6.62
46 82 83 00-1223	EA	BODY, AIR ASPIRATOR, S.S. (Scott Safety 40002728)	487.33	19.98
46 82 83 00-1224	EA	SPACER, STAINLESS STEEL (Scott Safety 40002729)	188.85	7.74
46 82 83 00-1225	EA	FLOW BLOCK, STAINLESS STEEL (Scott Safety 40006681)	968.59	39.70
46 82 83 00-1226	EA	MTG PLATE ASSM (Scott Safety 40007994)	335.05	13.73
46 82 83 00-1227	EA	MTG PLATE ASSM (Scott Safety 40007994-1)	344.18	14.12
46 82 83 00-1228	EA	TERMINAL STRIP, 4 POINT (Scott Safety 40008190)	67.01	2.74
46 82 83 00-1229	EA	GUARD, FILAMENT-DETECTOR (Scott Safety 40009041)	365.50	14.98
46 82 83 00-1230	EA	FLAME ARRESTOR (Scott Safety 40009042)	6.71	0.27
46 82 83 00-1231	EA	DETECTOR BODY ASSY (Scott Safety 40009065)	417.29	17.11
46 82 83 00-1232	EA	OUTER GUARD ASSY (Scott Safety 40009066)	332.00	13.61
46 82 83 00-1233	EA	L FLOW SWITCH (Scott Safety 40009259)	2,607.27	106.88
46 82 83 00-1234	EA	AIR ASPIRATOR (Scott Safety 40009261)	1,008.19	41.32
46 82 83 00-1235	EA	DETECTOR ASSY,POSITIVE FLOW (Scott Safety 40009263)	1,376.75	56.44
46 82 83 00-1236	EA	PACKING PREFORM (Scott Safety 40009264)	3.66	0.15
46 82 83 00-1237	EA	SET SCREW,HEX SCKT,S.S.,1/4-20 (Scott Safety 40009478)	33.50	1.38
46 82 83 00-1238	EA	FILTER ELEMENT (Scott Safety 40009560)	146.20	5.98
46 82 83 00-1239	EA	FILTER HOUSING ASSY (Scott Safety 40009566)	1,836.65	75.29
46 82 83 00-1240	EA	JUMPER, CLIP (Scott Safety 40009945)	6.71	0.27
46 82 83 00-1241	EA	SENSOR REPLACEMENT KIT (Scott Safety 40011528)	779.74	31.97
46 82 83 00-1242	EA	SENSOR, CONTINUOUS INSTRUMENT (Scott Safety 40011530)	743.19	30.47
46 82 83 00-1243	EA	DETECTOR ASSY (Scott Safety 40011600)	1,382.82	56.69
46 82 83 00-1244	EA	SENSOR REPLACEMENT KIT (Scott Safety 40011606)	773.64	31.72
46 82 83 00-1245	EA	DETECTOR ASSY (Scott Safety 40011630)	2,241.76	91.90
46 82 83 00-1246	EA	ASSEMBLY,DETECTOR-LESS SENSORS (Scott Safety 40011928)	849.80	34.83
46 82 83 00-1247	EA	SENSOR,REPLACEMENT-MATCHED SET (Scott Safety 40011929)	2,415.37	99.01
46 82 83 00-1248	EA	ASSEMBLY,ENCLOSURE/TERMINAL (Scott Safety 40012040)	667.05	27.34
46 82 83 00-1249	EA	ASSEMBLY,WEATHER SHIELD (Scott Safety 40012041)	277.17	11.37
46 82 83 00-1250	EA	SENSOR,REPLACEMENT (Scott Safety 40012111)	831.51	34.09
46 82 83 00-1251	EA	HOUSING,EXP.PRF.,MODIFIED (Scott Safety 40012473)	1,300.60	53.31
46 82 83 00-1252	EA	ASSY, DISTRIBUTION BOARD (Scott Safety 40012474)	368.55	15.11
46 82 83 00-1253	EA	FILAMENT-ACTIVE (Scott Safety 40012919)	456.87	18.73
46 82 83 00-1254	EA	ASSY,LOW FLOW SWITCH (Scott Safety 40013029)	1,562.53	64.05
46 82 83 00-1255	EA	FV282+ TRIPLE IR SS FM APPR. (Scott Safety 516.040.014)	7,611.62	312.03
46 82 83 00-1256	EA	FV311S FLAME DETECTOR (Scott Safety 516.300.006)	10,355.96	424.52
46 82 83 00-1257	EA	FV311SCN FLAME DETECTOR NTSC (Scott Safety 516.300.007)	11,878.88	486.96
46 82 83 00-1258	EA	FV311SC FLAME DETECTOR PAL (Scott Safety 516.300.008)	11,878.88	486.96
46 82 83 00-1259	EA	FV411F IR FLAME DETECTOR (Scott Safety 516.300.411)	7,133.42	292.43
46 82 83 00-1260	EA	FV411F IR FLAME DETECTOR PAL (Scott Safety 516.300.412)	7,766.97	318.39
46 82 83 00-1261	EA	FV411F IR FLAME DETECTOR NTSC (Scott Safety 516.300.413)	7,766.97	318.39
46 82 83 00-1262	EA	BRACKET ASSEMBLY (Scott Safety 517.001.184)	304.58	12.48
46 82 83 00-1263	EA	SOLO101 APT. TUBE (Scott Safety 517.001.224)	201.04	8.23
46 82 83 00-1264	EA	SOLO101 EXT. TUBE 1.3M LONG (Scott Safety 517.001.226)	268.03	10.99
46 82 83 00-1265	EA	SOLO100 TELESCOPIC EXT. POLE (Scott Safety 517.001.230)	1,005.14	41.20
46 82 83 00-1266	EA	WEATHER/SUN SHIELD (Scott Safety 517.001.263)	274.12	11.24
46 82 83 00-1267	EA	S200+ Spares Kit And Sealant (Scott Safety 517.001.266)	536.09	21.98
46 82 83 00-1268	EA	FLAME DETECTOR MTG. BRACKET (Scott Safety 517.300.001)	938.13	38.45
46 82 83 00-1269	EA	FLAME DETECTOR WEATHER HOOD (Scott Safety 517.300.002)	938.13	38.45
46 82 83 00-1270	EA	WT 300 Walk Test Controller (Scott Safety 517.300.021)	2,375.77	97.39
46 82 83 00-1271	EA	CTI300 CONFIG OFFLINE TOOL KIT (Scott Safety 517.300.022)	4,416.50	181.05
46 82 83 00-1272	EA	CTI400 CONFIG OFFLINE TOOL KIT (Scott Safety 517.300.024)	4,416.50	181.05
46 82 83 00-1273	EA	CTI400i IS TOOL KIT (Scott Safety 517.300.025)	3,045.88	124.86
46 82 83 00-1274	EA	CHARCOAL FILTERS 10/PK (Scott Safety 5500-7400)	185.80	7.61
46 82 83 00-1275	EA	T110 PP9 BATTERY AND CHARGER (Scott Safety 592.001.010)	368.55	15.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1276	EA	T210 ADAPTOR S200 (Scott Safety 592.001.014)	1,151.34	47.19
46 82 83 00-1277	EA	T210 PLUS TEST SOURCE FOR S200 (Scott Safety 592.001.016)	2,820.48	115.62
46 82 83 00-1278	EA	T210+ Adapter for FV400 Series Detector (Scott Safety 592.001.019)	1,151.34	47.19
46 82 83 00-1279	EA	WEATHERSHIELD SPECTREX FLAME (Scott Safety 780-981)	703.60	28.85
46 82 83 00-1280	EA	MODE SELECTOR (MAGNET) (Scott Safety 790285)	246.71	10.11
46 82 83 00-1281	EA	TELESCOPE ALIGNMENT KIT (Scott Safety 794110)	1,160.48	47.58
46 82 83 00-1282	EA	CALIBRATION TEST FILTER (IR) (Scott Safety 794260)	325.92	13.36
46 82 83 00-1283	EA	TILT MOUNTING ASSY(R/B 796640) (Scott Safety 794635)	1,102.61	45.20
46 82 83 00-1284	EA	DUCT MOUNT ADAPTOR (Scott Safety 794716)	1,583.86	64.93
46 82 83 00-1285	EA	CALIBRATION CELL (Scott Safety 796170)	4,538.34	186.04
46 82 83 00-1286	EA	COMMISSIONING KIT/DUCT MOUNTS (Scott Safety 796247)	1,355.41	55.56
46 82 83 00-1287	EA	TILT MOUNTING ASSEMBLY (Scott Safety 796640)	1,102.61	45.20
46 82 83 00-1288	EA	Tilt Mount (Scott Safety 8000447)	861.97	35.34
46 82 83 00-1289	EA	Pole Mount (U-Bolt 5 inch) (Scott Safety 8000448)	974.68	39.95
46 82 83 00-1290	EA	Commissioning Kit (Scott Safety 8000449)	3,383.96	138.71
46 82 83 00-1291	EA	RS485 Hand Held Diag Unit (Scott Safety 8000450)	30,732.82	1,259.86
46 82 83 00-1292	EA	HART Hand Held Diag Unit (Scott Safety 8000451)	46,144.91	1,891.65
46 82 83 00-1293	EA	HART Hand Held Harness (Scott Safety 8000452)	615.27	25.22
46 82 83 00-1294	EA	USB/RS485 Harness Kit (Scott Safety 8000453)	1,324.95	54.31
46 82 83 00-1295	EA	Mini Laptop Kit (Scott Safety 8000454)	6,122.20	250.97
46 82 83 00-1296	EA	SG Sunshade, Stainless (Scott Safety 8000455)	630.50	25.85
46 82 83 00-1297	EA	SG Telescope Kit (Scott Safety 8000456)	2,153.43	88.27
46 82 83 00-1298	EA	SG Chk Filter Warning Methane (Scott Safety 8000457)	356.38	14.61
46 82 83 00-1299	EA	SG Chk Filter Alarm Meth (Scott Safety 8000458)	356.38	14.61
46 82 83 00-1300	EA	SG Chk Filter Warn Prop (Scott Safety 8000459)	356.38	14.61
46 82 83 00-1301	EA	SG Chk Filter Alarm Prop (Scott Safety 8000460)	356.38	14.61
46 82 83 00-1302	EA	SG Detector ATEX M25 (Scott Safety 8000461)	14,065.82	576.61
46 82 83 00-1303	EA	SG Detector ATEX 3/4" (Scott Safety 8000462)	14,065.82	576.61
46 82 83 00-1304	EA	SG Detector FM M25 (Scott Safety 8000463)	14,065.82	576.61
46 82 83 00-1305	EA	SG Detector FM 3/4" (Scott Safety 8000464)	14,065.82	576.61
46 82 83 00-1306	EA	SG 20 Source ATEX M25 (Scott Safety 8000465)	11,519.49	472.22
46 82 83 00-1307	EA	SG 20 Source ATEX 3/4" (Scott Safety 8000466)	11,519.49	472.22
46 82 83 00-1308	EA	SG 20 Source FM M25 (Scott Safety 8000467)	11,519.49	472.22
46 82 83 00-1309	EA	SG 20 Source FM 3/4" (Scott Safety 8000468)	11,519.49	472.22
46 82 83 00-1310	EA	SG 40 Source ATEX M25 (Scott Safety 8000469)	11,519.49	472.22
46 82 83 00-1311	EA	SG 40 Source ATEX 3/4" (Scott Safety 8000470)	11,519.49	472.22
46 82 83 00-1312	EA	SG 40 Source FM M25 (Scott Safety 8000471)	11,519.49	472.22
46 82 83 00-1313	EA	SG 40 Source FM 3/4" (Scott Safety 8000472)	11,519.49	472.22
46 82 83 00-1314	EA	SG 100 Source ATEX M25 (Scott Safety 8000473)	11,519.49	472.22
46 82 83 00-1315	EA	SG 100 Source ATEX 3/4" (Scott Safety 8000474)	11,519.49	472.22
46 82 83 00-1316	EA	SG 100 Source FM M25 (Scott Safety 8000475)	11,519.49	472.22
46 82 83 00-1317	EA	SG 100 Source FM 3/4" (Scott Safety 8000476)	11,519.49	472.22
46 82 83 00-1318	EA	SG 200 Source ATEX M25 (Scott Safety 8000477)	14,233.33	583.48
46 82 83 00-1319	EA	SG 200 Source ATEX 3/4" (Scott Safety 8000478)	14,233.33	583.48
46 82 83 00-1320	EA	SG 200 Source FM M25 (Scott Safety 8000479)	14,233.33	583.48
46 82 83 00-1321	EA	SG 200 Source FM 3/4" (Scott Safety 8000480)	14,233.33	583.48
46 82 83 00-1322	EA	SG 20 System ATEX M25 (Scott Safety 8000481)	27,135.63	1,112.39
46 82 83 00-1323	EA	SG 20 System ATEX 3/4" (Scott Safety 8000482)	27,135.63	1,112.39
46 82 83 00-1324	EA	SG 20 System FM M25 (Scott Safety 8000483)	27,135.63	1,112.39
46 82 83 00-1325	EA	SG 20 System FM 3/4" (Scott Safety 8000484)	27,135.63	1,112.39
46 82 83 00-1326	EA	SG 40 System ATEX M25 (Scott Safety 8000485)	27,135.63	1,112.39
46 82 83 00-1327	EA	SG 40 System ATEX 3/4" (Scott Safety 8000486)	27,135.63	1,112.39
46 82 83 00-1328	EA	SG 40 System FM M25 (Scott Safety 8000487)	27,135.63	1,112.39
46 82 83 00-1329	EA	SG 40 System FM 3/4" (Scott Safety 8000488)	27,135.63	1,112.39
46 82 83 00-1330	EA	SG 100 System ATEX M25 (Scott Safety 8000489)	27,135.63	1,112.39
46 82 83 00-1331	EA	SG 100 System ATEX 3/4" (Scott Safety 8000490)	27,135.63	1,112.39
46 82 83 00-1332	EA	SG 100 System FM M25 (Scott Safety 8000491)	27,135.63	1,112.39
46 82 83 00-1333	EA	SG 100 System FM 3/4" (Scott Safety 8000492)	27,135.63	1,112.39
46 82 83 00-1334	EA	SG 200 System ATEX M25 (Scott Safety 8000493)	29,849.51	1,223.64
46 82 83 00-1335	EA	SG 200 System ATEX 3/4" (Scott Safety 8000494)	29,849.51	1,223.64
46 82 83 00-1336	EA	SG 200 System FM M25 (Scott Safety 8000495)	29,849.51	1,223.64
46 82 83 00-1337	EA	SG 200 System FM 3/4" (Scott Safety 8000496)	29,849.51	1,223.64
46 82 83 00-1338	EA	SG Magnetic Mode Selector (Scott Safety 8000497)	246.71	10.11
46 82 83 00-1339	EA	METHANE BEAD (Scott Safety 8000-7200)	587.85	24.10
46 82 83 00-1340	EA	NA SPYGLASS SALES DEMO KIT (Scott Safety 8000756)	35,578.80	1,458.50
46 82 83 00-1341	EA	SA SPYGLASS SALES DEMO KIT (Scott Safety 8000757)	35,578.80	1,458.50
46 82 83 00-1342	EA	EU SPYGLASS SALES DEMO KIT (Scott Safety 8000758)	35,578.80	1,458.50
46 82 83 00-1343	EA	DETECTOR ELEMENT (CH2)N (Scott Safety 8000-8020)	983.81	40.33
46 82 83 00-1344	EA	DETECTOR ELEMENT, H2 (Scott Safety 8000-8040)	983.81	40.33
46 82 83 00-1345	EA	DETECTOR ELEMENT, GEN. PURPOSE (Scott Safety 8000-8050)	1,081.28	44.33
46 82 83 00-1346	EA	NIC MAGNET TOOL (Scott Safety 9550-0068)	30.46	1.25
46 82 83 00-1347	EA	WEATHERPROOF STROBE, 115 Volt AC (Scott Safety 9550-0073)	1,297.54	53.19
46 82 83 00-1348	EA	MAGNET TOOL (130GDAXP) (Scott Safety 9550-0080)	45.68	1.88
46 82 83 00-1349	EA	ALARM (AHI) P.C.B.A. (Scott Safety 9550-2079)	1,824.48	74.80
46 82 83 00-1350	EA	LCD PANEL/CPU ASSY (0-100 ENG) (Scott Safety 9550-2083)	2,610.31	107.01
46 82 83 00-1351	EA	RS485 MODULE PORT P.C.B.A. (Scott Safety 9550-2084)	1,720.91	70.54
46 82 83 00-1352	EA	4-20MA ISOLATED OUTPUT P.C.B.A (Scott Safety 9550-2085)	1,720.91	70.54
46 82 83 00-1353	EA	24 Volt DC, INPUT/OUTPUT PCB Assembly (Scott Safety 9550-2086)	1,382.82	56.69
46 82 83 00-1354	EA	BASIC 24V LEL NIC XTR. (ONLY) (Scott Safety 9550-7194)	2,826.56	115.87
46 82 83 00-1355	EA	MANUAL, 4888-NIC II LEL (Scott Safety 9550-9142)	53.12	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1356		Scott 16 Channel Controller Model 7800, Dual Panel Mount Supports 32 Channels. *(46 82 83 00-0522)*		
		Note: MODEL 7800 A- B - C - DD - E - F - G - H		
46 82 83 00-1357	EA	Scott 16 Channel Controller Model 7800	12,428.86	569.51
		Note: Includes 0 analog inpus, 0 direct catalytic bead input, 0 analog output. For options use model code order: MODEL 7800 A- B - C - DD - E - F - G - H.		
		For Enclosure Option, A - 1; Fiberglass NEMA-4X Wall Mount Enclosure - Maximum 7 Option Boards, Add	*538.00*	
		For Enclosure Option A - 2; Panel Mount - Maximum 2 Option Boards, Add	*645.00*	
		For Enclosure Option A - 3; NEMA-7 Explosion Proof Wall Mount Enclosure (Cast Aluminum) - Maximum 11 Option Boards, Add	*4,730.00*	
		For Enclosure Option A - 4; 19" Rack Mount with Single Sixteen Channel Receiver And Cover Panel - Maximum 4 Option Boards, Add	*645.00*	
		For Enclosure Option A - 2; 19" Rack Mount with Dual Sixteen Channel Receivers - Supports 32 pts - Maximum 2 Option Boards, Add	*4,085.00*	
		For Enclosure Option A - 6; Stainless Steel Enclosure (NEMA4) - Maximum 11 Option Boards, Add	*1,398.00*	
		For Input - Analog (4-20mA) Option B - 2; 8 Points (1 board), Add	*430.00*	
		For Input - Analog (4-20mA) Option B - 3; 16 Points (2 boards), Add	*860.00*	
		For Input - Analog (4-20mA) Option B - 4; 24 Points (3 boards), Add	*1,290.00*	
		For Input - Analog (4-20mA) Option B - 5; 32 Points (4 boards), Add	*1,720.00*	
		For Input - Direect Catalytic Bead Option C - 2; 8 Points (1 board), Add	*1,054.00*	
		For Input - Direect Catalytic Bead Option C - 3; 16 Points (2 boards), Add	*2,107.00*	
		For Input - Direect Catalytic Bead Option C - 4; 24 Points (3 boards), Add	*3,161.00*	
		For Input - Direect Catalytic Bead Option C - 5; 32 Points (4 boards), Add	*4,214.00*	
		For Output - Relay Option DD - 08; 8 Relays (1 board), Add	*430.00*	
		For Output - Relay Option DD - 16; 16 Relays (2 boards), Add	*860.00*	
		For Output - Relay Option DD - 24; 24 Relays (3 boards), Add	*1,290.00*	
		For Output - Relay Option DD - 32; 32 Relays (4 boards), Add	*1,720.00*	
		For Output - Relay Option DD - 40; 40 Relays (5 boards), Add	*2,150.00*	
		For Output - Relay Option DD - 48; 48 Relays (6 boards), Add	*2,580.00*	
		For Output - Relay Option DD - 56; 56 Relays (7 boards), Add	*3,010.00*	
		For Output - Relay Option DD - 64; 64 Relays (8 boards), Add	*3,440.00*	
		For Output - Relay Option DD - 72; 72 Relays (9 boards), Add	*3,870.00*	
		For Output - Relay Option DD - 80; 80 Relays (10 boards), Add	*4,300.00*	
		For Output - Relay Option DD - 88; 88 Relays (11 boards), Add	*4,730.00*	
		For Output - Relay Option DD - 96; 96 Relays (12 boards), Add	*5,160.00*	
		For Output Analog Option E - 2; 8 Outputs (1 board), Add	*430.00*	
		For Output Analog Option E - 3; 16 Outputs (2 boards), Add	*860.00*	
		For Output Analog Option E - 4; 24 Outputs (3 boards), Add	*1,290.00*	
		For Output Analog Option E - 5; 32 Outputs (4 boards), Add	*1,720.00*	
		For Auxiliary Blind (Board) Enclosure Option F - 2; Fiberglass NEMA-4X Wall Mount Enclosure, Add	*538.00*	
		For Auxiliary Blind (Board) Enclosure Option F - 3; NEMA-7 Explosion Proof Wall Mount Enclosure, Add	*4,730.00*	
		For Local Annunciator Option G - 2; Piezo Electric Buzzer, Add	*215.00*	
		Note: Only available if option A1, A4, or A5 selected.		
		For Local Annunciator Option G - 3; 2 Light (amber/red) with Horn Stack, Add	*645.00*	
		For Special Option H - 2; Z-Purge, Add	*1,075.00*	
		For Special Option H - 3; Z-Purge with pressure switch. Groups C & D., Add	*1,720.00*	
		For Special Option H - 4; Z-Purge with pressure switch. Groups B, C & D., Add	*1,935.00*	
46 82 83 00-1358		Scott Safety Equipment *(46 82 83 00-0522)*		
46 82 83 00-1359	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3533-01)	2,741.29	112.37
46 82 83 00-1360	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3533-02)	3,668.89	150.40
46 82 83 00-1361	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3533-03)	3,048.64	124.98
46 82 83 00-1362	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3533-04)	3,738.11	153.24
46 82 83 00-1363	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3533-05)	2,741.29	112.37
46 82 83 00-1364	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3533-06)	3,655.06	149.84
46 82 83 00-1365	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3533-07)	3,048.64	124.98
46 82 83 00-1366	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3533-08)	3,738.11	153.24
46 82 83 00-1367	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3563-01)	2,738.52	112.26
46 82 83 00-1368	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3563-02)	3,641.20	149.27
46 82 83 00-1369	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3480-01)	3,034.79	124.40
46 82 83 00-1370	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP (Scott Safety 096-3480-02)	3,635.66	149.03
46 82 83 00-1371	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3480-03)	3,635.66	149.03
46 82 83 00-1372	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, CSA (Scott Safety 096-3480-04)	3,876.56	158.92
46 82 83 00-1373	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3480-05)	3,447.38	141.32
46 82 83 00-1374	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP (Scott Safety 096-3480-06)	3,655.06	149.84
46 82 83 00-1375	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3480-07)	3,516.60	144.15
46 82 83 00-1376	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, CSA (Scott Safety 096-3480-08)	4,070.39	166.86
46 82 83 00-1377	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-01)	2,990.49	122.60
46 82 83 00-1378	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-02)	3,571.98	146.42
46 82 83 00-1379	EA	ALUMINUM ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-03)	2,741.29	112.37
46 82 83 00-1380	EA	STAINLESS STEEL ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, INMETRO (Scott Safety 096-3564-04)	3,322.76	136.21
46 82 83 00-1381	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD (Scott Safety 096-3558-01)	3,654.75	119.18
46 82 83 00-1382	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD (Scott Safety 096-3558-02)	4,490.14	146.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1383	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-03)	4,176.86	136.21
46 82 83 00-1384	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, PLASTIC END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-04)	4,873.01	158.92
46 82 83 00-1385	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-05)	3,863.60	126.00
46 82 83 00-1386	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-06)	4,594.57	149.84
46 82 83 00-1387	EA	ALUMINUM ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-07)	4,420.52	144.15
46 82 83 00-1388	EA	STAINLESS STEEL ENCLOSURE, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-08)	5,116.66	166.86
46 82 83 00-1389	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, PLASTIC END CAP, remote head (Scott Safety 096-3558-09)	4,350.89	141.89
46 82 83 00-1390	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, PLASTIC END cap, remote head (Scott Safety 096-3558-10)	5,047.04	164.59
46 82 83 00-1391	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, PLASTIC END CAP, remote head, CSA (Scott Safety 096-3558-11)	4,873.01	158.92
46 82 83 00-1392	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, PLASTIC END CAP, remote head, CSA (Scott Safety 096-3558-12)	5,569.15	181.62
46 82 83 00-1393	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD (Scott Safety 096-3558-13)	4,455.32	145.29
46 82 83 00-1394	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, STANDARD DISPLAY, STAINLESS STEEL End cap, Remote head (Scott Safety 096-3558-14)	5,290.70	172.53
46 82 83 00-1395	EA	ALUMINUM ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-15)	4,977.41	162.32
46 82 83 00-1396	EA	STAINLESS STEEL ENCLOSURE, HART COMMUNICATIONS, HEATED DISPLAY, STAINLESS STEEL END CAP, REMOTE HEAD, CSA (Scott Safety 096-3558-16)	5,847.60	190.70
46 82 83 00-1397	EA	ALUMINUM ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-01)	3,654.75	119.18
46 82 83 00-1398	EA	STAINLESS STEEL ENCLOSURE, STANDARD DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-02)	4,490.14	146.42
46 82 83 00-1399	EA	ALUMINUM ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-03)	3,306.68	107.83
46 82 83 00-1400	EA	STAINLESS STEEL ENCLOSURE, BLIND DISPLAY, PLASTIC END CAP, REMOTE HEAD, INMETRO (Scott Safety 096-3566-04)	4,002.82	130.54
46 82 83 00-1401	EA	MERIDIAN AMMONIA SENSOR- NH3 (Scott Safety 096-3473-03)	1,218.35	49.95
46 82 83 00-1402	EA	MERIDIAN BROMINE SENSOR- Br2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-24)	1,218.35	49.95
46 82 83 00-1403	EA	MERIDIAN CARBON DIOXIDE INFRARED SENSOR- CO2 IR (Sensor not supported by 2-Wire Unit) (Scott Safety 096-3473-58)	1,426.03	58.46
46 82 83 00-1404	EA	MERIDIAN CARBON MONOXIDE SENSOR- CO (Scott Safety 096-3473-01)	1,232.19	50.51
46 82 83 00-1405	EA	MERIDIAN CHLORINE DIOXIDE SENSOR -ClO2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-37)	1,453.71	59.60
46 82 83 00-1406	EA	MERIDIAN CHLORINE DIOXIDE SENSOR -ClO2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-38)	1,453.71	59.60
46 82 83 00-1407	EA	MERIDIAN CHLORINE SENSOR- Cl2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-20)	1,218.35	49.95
46 82 83 00-1408	EA	MERIDIAN CHLORINE SENSOR- Cl2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-21)	1,218.35	49.95
46 82 83 00-1409	EA	MERIDIAN FLUORINE SENSOR- F2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-22)	1,218.35	49.95
46 82 83 00-1410	EA	MERIDIAN FLUORINE SENSOR- F2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-23)	1,218.35	49.95
46 82 83 00-1411	EA	MERIDIAN HYDROGEN CHLORIDE SENSOR- HCl ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-25)	1,218.35	49.95
46 82 83 00-1412	EA	MERIDIAN HYDROGEN CHLORIDE SENSOR- HCl ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-26)	1,218.35	49.95
46 82 83 00-1413	EA	MERIDIAN HYDROGEN CYANIDE SENSOR - HCN (Scott Safety 096-3473-11)	1,038.36	42.57
46 82 83 00-1414	EA	MERIDIAN HYDROGEN SENSOR - H2 (Scott Safety 096-3473-12)	1,536.77	63.00
46 82 83 00-1415	EA	MERIDIAN HYDROGEN FLUORIDE SENSOR- HF ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-27)	1,218.35	49.95
46 82 83 00-1416	EA	MERIDIAN HYDROGEN FLUORIDE SENSOR- HF ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-28)	1,218.35	49.95
46 82 83 00-1417	EA	MERIDIAN HYDROGEN SULFIDE SENSOR- H2S (LOW METHANOL) (Scott Safety 096-3473-02)	913.76	37.45
46 82 83 00-1418	EA	MERIDIAN NITROGEN DIOXIDE SENSOR - NO2 (Scott Safety 096-3473-54)	927.59	38.03
46 82 83 00-1419	EA	MERIDIAN NITRIC OXIDE SENSOR - NO (Scott Safety 096-3473-14)	1,246.04	51.08
46 82 83 00-1420	EA	MERIDIAN OXYGEN SENSOR - O2 (Scott Safety 096-3473-19)	650.71	26.67
46 82 83 00-1421	EA	MERIDIAN OZONE SENSOR - O3 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-39)	1,176.81	48.24
46 82 83 00-1422	EA	MERIDIAN SILANE SENSOR - SiH4 (Scott Safety 096-3473-09)	1,661.38	68.10
46 82 83 00-1423	EA	MERIDIAN SULFUR DIOXIDE SENSOR- SO2 ROCK SOLID, HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-31)	1,107.58	45.41
46 82 83 00-1424	EA	MERIDIAN SULFUR DIOXIDE SENSOR- SO2 ROCK SOLID, LOW RELATIVE HUMIDITY (Scott Safety 096-3473-32)	1,107.58	45.41
46 82 83 00-1425	EA	MERIDIAN SULFUR DIOXIDE SENSOR -SO2 HIGH RELATIVE HUMIDITY (Scott Safety 096-3473-05)	999.60	40.98
46 82 83 00-1426	EA	MERIDIAN COMBUSTIBLE CATALYTIC BEAD SENSOR (Scott Safety 096-3473-55)	816.86	33.49
46 82 83 00-1427	EA	MERIDIAN COMBUSTIBLE INFRARED SENSOR1 (Scott Safety 096-3473-56)	1,536.77	63.00
46 82 83 00-1428	EA	MERIDIAN INFRARED SENSOR BUTANE - C4H10 (Scott Safety 096-3554-04)	1,869.05	76.62
46 82 83 00-1429	EA	MERIDIAN INFRARED SENSOR HEXANE - C6H14 (Scott Safety 096-3554-08)	1,869.05	76.62
46 82 83 00-1430	EA	MERIDIAN INFRARED SENSOR ISOPROPANOL - C3H7OH (Scott Safety 096-3554-05)	1,869.05	76.62
46 82 83 00-1431	EA	MERIDIAN INFRARED SENSOR METHANOL - CH3OH (Scott Safety 096-3554-03)	1,869.05	76.62
46 82 83 00-1432	EA	MERIDIAN INFRARED SENSOR OCTAMETHYL TRISILOXANE - C8H24O2Si3 (Scott Safety 096-3554-02)	1,869.05	76.62
46 82 83 00-1433	EA	MERIDIAN INFRARED SENSOR PENTANE - C5H12 (Scott Safety 096-3554-07)	1,869.05	76.62
46 82 83 00-1434	EA	MERIDIAN INFRARED SENSOR PROPANE - C3H8 (Scott Safety 096-3554-01)	1,869.05	76.62
46 82 83 00-1435	EA	MERIDIAN INFRARED SENSOR TOLUENE - C7H8 (Scott Safety 096-3554-06)	1,869.05	76.62
46 82 83 00-1436	EA	CALIBRATION ADAPTER (Scott Safety 096-3438)	138.46	5.67
46 82 83 00-1437	EA	FLOW CELL (Scott Safety 096-3439)	152.29	6.25
46 82 83 00-1438	EA	DELUGE GUARD (Scott Safety 096-3441)	207.68	8.52

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46 82 83 00-1439	EA	WEATHER SHIELD (Scott Safety 073-0373)	207.68	8.52
46 82 83 00-1440	EA	UNIVERSAL MOUNTING ADAPTER PLATE (Scott Safety 073-0374)	207.68	8.52
46 82 83 00-1441	EA	STAINLESS STEEL END CAP (Scott Safety 096-3437-2)	276.90	11.35
46 82 83 00-1442	EA	SENSOR SIMULATOR (Scott Safety 096-3395)	318.42	13.05
46 82 83 00-1443	EA	FLAT/ROUND DUCT MOUNTING KIT (Scott Safety 096-3440)	285.20	11.69
46 82 83 00-1444	EA	A-FRAME SALES DISPLAY KIT (INCLUDES: A-FRAME, SPACER PLATE, THUMB SCREWS, DC JACK ASSY) (Scott Safety 096-3541-00)	692.24	28.38
46 82 83 00-1445	EA	PIPE MOUNT FOR JUNCTION BOX (Scott Safety 076-0376)	110.77	4.54
46 82 83 00-1446	EA	PIPE MOUNT FOR MERIDIAN (Scott Safety 076-0377)	138.46	5.67
46 82 83 00-1447	EA	RIGHT ANGLE FITTING, POLYMER FOR 1/8" TUBING (Scott Safety 077-1385)	27.69	1.13
46 82 83 00-1448	EA	RIGHT ANGLE FITTING, STAINLESS STEEL FOR 1/8" TUBING (Scott Safety 077-1386)	318.42	13.05
46 82 83 00-1449	EA	DUST FILTER (Scott Safety 096-3537)	166.14	6.81
46 82 83 00-1450	EA	NEMA 4X 4 Channel Base Unit (Scott Safety 093-0463)	6,368.63	261.08
46 82 83 00-1451	EA	4 Channel Direct Cat Bead Input and Discrete Relays(8) (Scott Safety 093-0455)	8,666.88	355.29
46 82 83 00-1452	EA	4 Channel Direct Cat Bead Input (Scott Safety 093-0456)	7,531.60	308.74
46 82 83 00-1453	EA	4 Channel 4-20ma Input and Discrete Relays(8) (Scott Safety 093-0457)	8,057.71	330.31
46 82 83 00-1454	EA	4 Channel 4-20ma Input (Scott Safety 093-0458)	7,448.54	305.34
46 82 83 00-1455	EA	7400 Plus - 4 Channel, NEMA 4X, Direct Catbead Input Board (Scott Safety 093-0618)	10,300.57	422.26
46 82 83 00-1456	EA	7400 Plus - 4 Channel, NEMA 4X, 4-20 mA Input Board (Scott Safety 093-0619)	9,552.94	391.61

46 82 83 00-1457 Multi-Channel Integrated Control Systems, Scott Model Series MCX-32 *(46 82 83 00-0522)*

46 82 83 00-1458	EA	Model MCX-32-N1P, 64 Channel Integrated Control System In Ppanel Mount Hardware Assembly, 110/220 Volt AC, 24 Volt DC Power Supply. (Scott Safety 95P-MCX000-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	15,214.30	623.73
46 82 83 00-1459	EA	Model MCX-32-N1R, 64 Channel Integrated Control System In 19" Rack Mount Hardware Assembly With 110/220 Volt AC, 24 Volt DC, Power Supply. (Scott Safety 95R-MCX000-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	15,491.21	635.09
46 82 83 00-1460	EA	Model MCX-32-N4X, 64 Channel Integrated Control System In Fiberglass Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply. (Scott Safety 954-MCX000-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	19,244.36	788.89
46 82 83 00-1461	EA	Model MCX-32-N4X, 64 Channel Integrated Control System In 316 Stainless Steel Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply. (Scott Safety 954-MCX020-000) Note: Excludes I/O modules for analog input, digital input, relay output, analog output.	21,989.20	901.27
46 82 83 00-1462	EA	Detcon Model DA-4 four channel 4-20 maDC input module (Scott Safety 976-041400-000)	1,648.34	67.54
46 82 83 00-1463	EA	Detcon Model RL-4 four relay alarm module (Scott Safety 975-041400-000)	1,648.34	67.54
46 82 83 00-1464	EA	Detcon Model DI-4 four channel dry contact input module (Scott Safety 975-041402-000)	1,648.34	67.54
46 82 83 00-1465	EA	Detcon Model AO-4 four channel analog output module (Scott Safety 975-041401-000)	1,648.34	67.54
46 82 83 00-1466	EA	RS-485 Isolated Repeater, 9-30 Volt DC (Scott Safety 976-485485-000)	1,263.07	51.64
46 82 83 00-1467	EA	NEMA 4X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 954-R21610-000)	3,820.39	156.65
46 82 83 00-1468	EA	NEMA 7X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 957-R11670-000)	8,722.26	357.55
46 82 83 00-1469	EA	Eithernet connection to Lan line. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00E485-000)	5,442.61	215.10
46 82 83 00-1470	EA	Eithernet connection to Lan line or Cell connection. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00R485-000)	6,907.40	283.21

46 82 83 00-1471 NEMA 1 Panel Mount Mainframe Hardware Assemblies, Scott Model 12 *(46 82 83 00-0522)*

46 82 83 00-1472	EA	Model 612 NEMA 1, 6 Channel Panel Mount Mainframe (Scott Safety 951-061240-000) Note: Requires external line power 24 Volt DC power supply	2,202.13	90.24
46 82 83 00-1473	EA	Model 1212 NEMA 1, 12 Channel Panel Mount Mainframe (Scott Safety 951-121240-000) Note: Requires external line power 24 Volt DC power supply	2,755.92	112.95
46 82 83 00-1474	EA	NEMA 1 Line Power 24 Volt DC Power Supply, 6.25 Amperes 150 Watt, Standard 19" Rack Mount (Scott Safety 975-124150-000)	3,391.99	139.05
46 82 83 00-1475	EA	NEMA 1 Line Power 24 Volt DC Power Supply,12.5 Amperes 300 Watt, Standard 19" Rack Mount (Scott Safety 975-124300-000)	3,861.52	158.34
46 82 83 00-1476	EA	Model 812-N4X NEMA 4X, 8 Channel Weatherproof Wall Mount Enclosure With Line Power 24 Volt DC Power Supply, 110/220 Volt AC (Scott Safety 954-081250-000)	6,243.24	255.97
46 82 83 00-1477	EA	Model 1212-N4X NEMA 4X, 12 channel Weatherproof Wall Mount Enclosure With Line Power 24 Volt DC Power Supply (Scott Safety 954-121250-000)	9,014.20	369.47
46 82 83 00-1478	EA	Z-Purge Kit with pressure switch (for Mod 10/12 N4X) (Scott Safety 975-3675R0-000)	3,861.52	158.34
46 82 83 00-1479	EA	Detcon Model Series 12 Blank Plate (Scott Safety 912-000008-005)	105.94	4.32
46 82 83 00-1480	EA	Auxiliary Alarm Relay Board (Scott Safety 500-502600-000)	787.58	32.35
46 82 83 00-1481	EA	Gold plated jumper tab (Scott Safety 224-000000-000)	11.91	0.40
46 82 83 00-1482	EA	Power supply (812-N4X) (Scott Safety 360-SWS150-024)	927.99	38.03
46 82 83 00-1483	EA	Power supply (1212-N4X) (Scott Safety 360-SWS300-024)	927.99	38.03
46 82 83 00-1484	EA	Model 140-N4X, Single Channel Gas Detection Control System In Wall Mount Weatherproof Enclosure 110/220 Volt AC, 24 Volt DC Power Supply (Scott Safety 954-010110-000)	3,861.52	158.34
46 82 83 00-1485	EA	Model 240-N4X, Dual Channel Gas Detection Control System In Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply (Scott Safety 954-020210-000)	4,969.11	203.75
46 82 83 00-1486	EA	Model X40-08-N4X, Integrated Alarm And Control System In Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply For 8 Sensors. (Scott Safety 954-X08000-000) Note: Excludes optional I/O modules	5,526.88	226.45
46 82 83 00-1487	EA	Model X40-32-N1P, integrated alarm and control system in panel mount enclosure Exclude optional I/O modules. Power supply for 32 sensors (Scott Safety 95P-X32000-000)	5,799.81	237.80
46 82 83 00-1488	EA	Model X40-32 Integrated Alarm And Control Module. (Scott Safety 95M-X32000-000) Note: Excludes enclosure or optional I/O modules. Requires 24Volt DC .	4,156.29	169.70
46 82 83 00-1489	EA	Model X40-32-N1P, Integrated Alarm And Control System In 19" Rack Mount Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply For 32 Sensors (Scott Safety 95R-X32000-000) Note: Excludes optional I/O modules	6,911.37	283.21

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46 82 83 00-1490	EA	Model X40-32-N4X, Integrated Alarm And Control System In Wall Mount Weatherproof Enclosure With 110/220 Volt AC, 24 Volt DC Power Supply For 32 Sensors. (Scott Safety 954-X32000-000) Note: Excludee optional I/O modules	6,911.37	283.21
46 82 83 00-1491	EA	Model X40-00-N7, Integrated Alarm And Control System In Wall Mount Explosion Proof Enclosure (Class I; Div 1: Group C, D). (Scott Safety 957-X32000-000-0_0) Note: Requires external 10-30 Volt DC power supply.	6,157.27	237.80
46 82 83 00-1492	EA	Model X40-RD-N4, 64 Channel Remote Display panel in N4X enclosure; 120 Volt AC and wall mounting. (Scott Safety 954-XRD640-110)	4,969.11	203.75
46 82 83 00-1493	EA	Model X40-RD-N7, 32 Channel Remote Display Panel In Cast Aluminum Enclosure (Class 1; Div 1; Grps C, D.) (Scott Safety 957-XRD640-110-0_0) Note: Requires 24Volt DC input	5,799.81	237.80
46 82 83 00-1494	EA	Smart battery pack with extended lid aluminum enclosure with mounting plate for wall or 2" pipe and accessories (Scott Safety 5)	2,907.42	119.18
46 82 83 00-1495	EA	Smart battery pack with extended lid aluminum enclosure and alarm reset switch with mounting plate for wall or 2" pipe and accessories (Scott Safety 6)	2,797.06	114.64
46 82 83 00-1496	EA	115/220 Volt AC line power (Scott Safety 7)	2,089.78	85.70
46 82 83 00-1497	EA	Sentinel Controller With 4 Wired Inputs, Reset Switch, Alarm Output 12 Volt DC, AC power (Scott Safety 954-CXTO-4-300)	11,698.92	479.58
46 82 83 00-1498	EA	Detcon Model DA-4 four channel 4-20 maDC input module (Scott Safety 976-041400-000)	1,319.23	53.91
46 82 83 00-1499	EA	Detcon Model RL-4 four relay alarm module (Scott Safety 975-041400-000)	1,319.23	53.91
46 82 83 00-1500	EA	Detcon Model AO-4 four channel analog output module (Scott Safety 975-041401-000)	1,319.23	53.91
46 82 83 00-1501	EA	RS-485 Isolated Repeater, 9-30 Volt DC (Scott Safety 976-485485-000)	1,208.87	49.37
46 82 83 00-1502	EA	NEMA 4X Remote I/O Module Enclosure includes 120 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 954-R21610-000)	3,820.39	156.65
46 82 83 00-1503	EA	NEMA 7X Remote I/O Module Enclosure includes 75 watt power supply, for use with up to 8 I/O modules 32 sensors (Scott Safety 957-R11662-000)	9,912.12	406.37
46 82 83 00-1504	EA	Ethernet connection to Lan line. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00E485-000)	5,247.99	215.10
46 82 83 00-1505	EA	Ethernet connection to Lan line or Cell connection. N4X wall mounted enclosure. Connection to the RS-485 output from controller or remote display. (Scott Safety 976-00R485-000)	6,630.49	271.86
46 82 83 00-1506		**Start Up and Training** *(46 82 83 00-0522)*		
46 82 83 00-1507	EA	Scott Safety Start Up And Training	2,307.62	56.40
46 82 83 00-1508		**Flow Equipment (Sierra Instruments)** *(46 82 83 00-0099)*		
46 82 83 00-1509		**InnovaSonic® 203 Economical Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1510	EA	InnovaSonic® Economical Ultrasonic Transit-Time Liquid Flow Meter (Sierra 203) Note: Flow range 1.6 to 40 ft/s; accuracy +/- 1.0% of reading from 1.6 to 40 ft/s; repeatability +/- 0.3% of reading; pipe size range 1" to 48". 10 to 24 Volt AC or 10 to 36 Volt DC at 1A; transmitter NEMA 4X, IP 65, ABS/PC enclosure; output 4 to 20 mA current loop (maximum load 750 Ohm); OCT 0 to 9999 Hz. Push button data entry (4x4 keypad with 12 dual function keys) and integral display; relay, RS-485 (RS-232 optional), Modbus RTU; operating temperature 32 to 140 Degree F. Clamp on transducers included. Includes 30' cable. No cost options include: OCT, Relay, RS-485, 4 To 20 mA Current Loop (Maximum Load 750 Ohm), Modbus RTU - Code 2; OCT, Relay, RS-232, 4 To 20 mA Current Loop (Maximum Load 750 Ohm) - Code 3; Clamp on transducers. Operating Temperature 32 to 140 Degree F, Standard 30' - Code CP.	5,238.78	119.65
46 82 83 00-1511	EA	5-Point Calibration Certification Traceable To NIST (Sierra NIST)	985.01	
46 82 83 00-1512	EA	100 Gram Coupling Compound (Sierra 205-2011)	87.38	
46 82 83 00-1513	EA	50' InnovaSonic Cable Length Adder Option (Sierra 203 50)	439.05	23.93
46 82 83 00-1514	EA	100' InnovaSonic Cable Length Adder Option (Sierra 203 100)	1,027.06	47.86
46 82 83 00-1515	EA	150' InnovaSonic Cable Length Adder Option (Sierra 203 150)	1,734.21	71.79
46 82 83 00-1516	EA	200' InnovaSonic Cable Length Adder Option (Sierra 203 200)	2,272.55	95.71
46 82 83 00-1517	EA	300' InnovaSonic Cable Length Adder Option (Sierra 203 300)	3,559.77	143.58
46 82 83 00-1518	EA	InnovaSonic Hard Copy Instruction Manual (Sierra 203-IM)	87.38	
46 82 83 00-1519		**InnovaSonic® 205i General Purpose Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1520	EA	InnovaSonic® General Purpose Ultrasonic Transit-Time Liquid Flow Meter (Sierra 205i) Note: Flow range 0.16 to 40 ft/s; accuracy +/- 0.5% of reading from 0.16 to 40 ft/s; repeatability +/- 0.1% of full scale; output 4 to 20 mA (max load 750 Ohm), OCT, relay (SPST), frequency; power supply 90 to 250 Volt AC, 48 to 63 Hz and 10 to 36 Volt DC; pipe size 2" to 236"; display 20 x 2, alphanumeric, backlit LCD; keypad 22 tactile keys with 12 dual-function and 6 quick setup keys. 1 GB SD card high-memory data logging, maximum memory 512 days of data. Transducer hazard area classification Ex d II BT4. Modbus RTU, RS-232 and RS-485 standard. Installation kit includes 2" x 44" pipe straps suitable for up to 12" diameter pipe. Installation method: wall mount. Includes 30' cable. No cost options include: NEMA 4X (IP 65). Die-Cast Aluminum Machined Enclosure - Code 1.	7,627.13	119.65
46 82 83 00-1521	EA	-40 To 176 Degree F, IP 67, Clamp On Transducer (Sierra 205i S)	2,252.84	44.86
46 82 83 00-1522	EA	1-1/2" Diameter, -40 To 176 Degree F, Insertion Transducer (Sierra 205i W) Note: Suitable for pipes 2" to 236". IP 67. Includes 1-1/2" ball valves; carbon steel installation seat for ball valve (brass), mounting kit (includes 4 screws and four plastic bushings) and seal kits.	2,815.25	44.86
46 82 83 00-1523	EA	5-Point Calibration Certification Traceable To NIST (Sierra 205i NIST)	1,022.08	
46 82 83 00-1524	EA	100 Gram Coupling Compound (Sierra 205-2011)	45.43	
46 82 83 00-1525	EA	43" Pipe Straps (Sierra 205-2010)	86.70	14.96
46 82 83 00-1526	EA	50' InnovaSonic Cable Length Adder Option (Sierra 205i 50)	353.36	23.93
46 82 83 00-1527	EA	100' InnovaSonic Cable Length Adder Option (Sierra 205i 100)	862.48	47.86
46 82 83 00-1528	EA	150' InnovaSonic Cable Length Adder Option (Sierra 205i 150)	1,371.58	71.79
46 82 83 00-1529	EA	200' InnovaSonic Cable Length Adder Option (Sierra 205i 200)	1,880.68	95.71
46 82 83 00-1530	EA	300' InnovaSonic Cable Length Adder Option (Sierra 205i 300)	2,898.90	143.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1531		**InnovaSonic® 207i General Purpose Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1532	EA	InnovaSonic® Liquid And Thermal Energy/BTU Flow Meter (Sierra 207i)	8,412.25	119.65
46 82 83 00-1533	EA	InnovaSonic AC Powered Option, 100-240 Volt AC, 50-60 hertz, 0.5 Amperes (Sierra 207i P3)	677.17	119.65
46 82 83 00-1534	PR	14°F to 176°F, IP 68, Clamp On Transducer(Sierra 207i S)	2,472.82	45.47
46 82 83 00-1535	PR	14°F to 302°F, IP 68, High-Temperature Clamp On Transducer (Sierra 207i H)	2,889.86	45.47
46 82 83 00-1536	PR	-40°F to 176°F, IP 68, 1-1/2" Diameter Insertion Transducer (Sierra 207i W)	3,465.77	45.47
46 82 83 00-1537	EA	Up To three PT 100 Input Modules Option (Sierra 207i PT 100)	258.17	
46 82 83 00-1538	EA	Option To Accept Analog Current Inputs From Any 4-20 mA Transmitter (Sierra 207i AI)	258.17	
46 82 83 00-1539	EA	Modbus RS-485 Output (Sierra 207i Modbus)	258.17	
46 82 83 00-1540	EA	BACnet Protocol (Sierra 207i BACnet)	496.48	
46 82 83 00-1541	EA	1-1/2" NPT Strain Relief For Wiring/Cable (Sierra 207i STRAIN)	94.60	25.12
46 82 83 00-1542	EA	Clamp On PT 100 RTD, 4-Wire, NEMA 4X Enclosure (Sierra 207i RTDC ( )-X)	606.07	53.84
46 82 83 00-1543	EA	Insertion PT 100 RTD, 4-Wire, NEMA 4X Enclosure (Sierra 207i RTDI ( )-X)	707.35	53.84
46 82 83 00-1544	EA	Coupling Compound (Sierra 207i 205-2011)	87.38	
46 82 83 00-1545	EA	43" Pipe Straps (Sierra 207i 205-2010)	127.23	15.55
46 82 83 00-1546	EA	Hard Copy Instruction Manual (Sierra 207i IM)	87.38	
46 82 83 00-1547	EA	Matched RTD System (Sierra 207i MATCHED RTD)	1,191.54	
46 82 83 00-1548	Day	Commissioning (Sierra 207i Commissioning)	3,090.15	
46 82 83 00-1549	EA	50' InnovaSonic Cable Length Adder Option (Sierra 207i 50)	441.04	23.93
46 82 83 00-1550	EA	100' InnovaSonic Cable Length Adder Option (Sierra 207i 100)	1,009.19	47.86
46 82 83 00-1551	EA	150' InnovaSonic Cable Length Adder Option (Sierra 207i 150)	1,513.77	71.79
46 82 83 00-1552	EA	200' InnovaSonic Cable Length Adder Option (Sierra 207i 200)	2,127.58	95.71
46 82 83 00-1553	EA	300' InnovaSonic Cable Length Adder Option (Sierra 207i 300)	3,059.32	143.58
46 82 83 00-1554		**InnovaSonic® 210i Portable Ultrasonic Transit-Time Liquid Flow Meter** *(46 82 83 00-1508)*		
46 82 83 00-1555	EA	Hard Copy Instruction Manual (Sierra 2010i IM)	87.38	
46 82 83 00-1556	EA	InnovaSonic® Portable Ultrasonic Transit-Time Liquid Flow Meter (Sierra 210i) Note: Portable ultrasonic transit-time liquid flow meter; flow range 0.03 to 40 ft/s; accuracy +/- 0.5% of reading from 0.03 to 40 ft/s; repeatability +/- 0.1% of full scale; pipe size 0.6" to 236"; 4 to 20 mA DC output; push-button data entry with 24 tactile keys; 12 dual-function and 7 quick setup keys; integral color display; 11.1 Volt DC rechargeable battery (10 hours duration); wall-mounted charger included (includes international plug set); 2 GB SD memory card; carrying bag, pelican case. Includes 16' cable. No cost options include: Push-Button Data Entry With 24 Tactile Keys, 12 Dual Function And 7 Quick Setup Keys, Comes With Display - Code 1; Clamp-On Portable Transducers With Two Magnetic Mounting Racks, Operating Temperature -40 to 176 Degree F, 16' Standard Cable Length, Longer Lead Time Required For Longer Cable Lengths - Code 16.	12,709.76	
46 82 83 00-1557	EA	5-Point Calibration Certification Traceable To NIST (Sierra 210i NIST)	985.01	
46 82 83 00-1558	EA	100 Gram Coupling Compound (Sierra 205-2011)	87.38	
46 82 83 00-1559	EA	30' InnovaSonic Cable Length Adder Option (Sierra 210i 30)	228.51	14.96
46 82 83 00-1560	EA	50' InnovaSonic Cable Length Adder Option (Sierra 210i 50)	359.61	23.93
46 82 83 00-1561	EA	100' InnovaSonic Cable Length Adder Option (Sierra 210i 100)	878.12	47.86
46 82 83 00-1562	EA	150' InnovaSonic Cable Length Adder Option (Sierra 210i 150)	1,396.61	71.79
46 82 83 00-1563	EA	200' InnovaSonic Cable Length Adder Option (Sierra 210i 200)	1,915.09	95.71
46 82 83 00-1564	EA	300' InnovaSonic Cable Length Adder Option (Sierra 210i 300)	2,952.08	143.58
46 82 83 00-1565		**InnovaMass® 240 Series** *(46 82 83 00-1508)*		
46 82 83 00-1566	EA	Liquid, Gas And Steam InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240V) Note: No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	3,372.04	119.65
46 82 83 00-1567	EA	Velocity And Temperature Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VT) Note: Mass measurement with temperature compensation. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; No Pressure Sensor - Code MP0; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	5,355.95	119.65
46 82 83 00-1568	EA	Velocity, Temperature And Pressure Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTP) Note: Mass measurement with pressure and temperature compensation. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	6,763.95	119.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1569	EA	Velocity, Temperature And Pressure Sensors InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTEP) Note: Mass measurement with pressure temperature compensation. Pressure sensor is not included. (select MP0), but unit has a 4-20 mA input for an external pressure sensor. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5	9,514.86	119.65
46 82 83 00-1570	EA	VT Meter Plus Energy Meter Package InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VT EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST.	7,965.52	119.65
46 82 83 00-1571	EA	VTP Meter Plus Energy Meter Package InnovaMass® In-line Multiparameter Mass Vortex Flow Meter (Sierra 240VTP EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature -330 to -40 Degree F - Code CT; Standard Process Temperature -40 To 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1,000 PSIG - Code MP4; Maximum 1,500 PSIG, Proof 2,500 PSIG - Code MP5.	9,707.83	119.65
46 82 83 00-1572	EA	1/2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra F2)	2,036.88	57.43
46 82 83 00-1573	EA	3/4" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F3)	2,048.85	67.00
46 82 83 00-1574	EA	1" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F4)	2,076.09	100.76
46 82 83 00-1575	EA	1-1/2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F5)	2,179.08	125.63
46 82 83 00-1576	EA	2" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F6)	2,366.03	159.53
46 82 83 00-1577	EA	3" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F7)	3,430.02	203.65
46 82 83 00-1578	EA	4" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F8)	4,963.10	341.84
46 82 83 00-1579	EA	6" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F9)	7,796.81	432.27
46 82 83 00-1580	EA	8" ANSI Class 150 Flange, 316L Stainless Steel Flow Body (Sierra 240 F10)	13,393.45	546.95
46 82 83 00-1581	EA	1/2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G2)	2,972.64	57.43
46 82 83 00-1582	EA	3/4" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G3)	2,984.61	67.00
46 82 83 00-1583	EA	1" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G4)	3,013.44	100.76
46 82 83 00-1584	EA	1-1/2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G5)	3,332.88	125.63
46 82 83 00-1585	EA	2" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G6)	3,664.81	159.53
46 82 83 00-1586	EA	3" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G7)	5,594.66	203.65
46 82 83 00-1587	EA	4" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G8)	6,474.37	341.84
46 82 83 00-1588	EA	6" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G9)	12,944.26	432.27
46 82 83 00-1589	EA	8" ANSI Class 300 Flange, 316L Stainless Steel Flow Body (Sierra 240 G10)	17,206.38	546.95
46 82 83 00-1590	EA	1/2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H2)	3,557.50	57.43
46 82 83 00-1591	EA	3/4" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H3)	3,569.47	67.00
46 82 83 00-1592	EA	1" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H4)	3,591.34	100.76
46 82 83 00-1593	EA	1-1/2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H5)	4,198.74	125.63
46 82 83 00-1594	EA	2" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H6)	4,528.67	159.53
46 82 83 00-1595	EA	3" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H7)	6,603.49	203.65
46 82 83 00-1596	EA	4" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H8)	13,645.45	341.84
46 82 83 00-1597	EA	6" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H9)	19,604.97	432.27
46 82 83 00-1598	EA	8" ANSI Class 600 Flange, 316L Stainless Steel Flow Body (Sierra 240 H10)	28,009.67	546.95
46 82 83 00-1599	EA	1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W2)	1,814.63	57.43
46 82 83 00-1600	EA	3/4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W3)	1,826.60	67.00
46 82 83 00-1601	EA	1" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W4)	1,354.13	100.76
46 82 83 00-1602	EA	1-1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W5)	1,678.03	125.63
46 82 83 00-1603	EA	2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W6)	2,012.44	159.53
46 82 83 00-1604	EA	3" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W7)	2,482.57	203.65
46 82 83 00-1605	EA	4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240 W8)	3,620.56	341.84
46 82 83 00-1606	EA	1" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC4)	1,868.78	100.76
46 82 83 00-1607	EA	1-1/2" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC5)	1,900.27	125.63
46 82 83 00-1608	EA	2" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC6)	2,094.33	159.53
46 82 83 00-1609	EA	3" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC7)	3,003.36	203.65
46 82 83 00-1610	EA	4" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC8)	3,932.64	341.84
46 82 83 00-1611	EA	6" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC9)	7,797.75	432.27
46 82 83 00-1612	EA	8" ANSI Class 150 Flange, Carbon Steel Flow Body (Sierra 240 FC10)	12,295.57	546.95
46 82 83 00-1613	EA	1" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC4)	1,871.69	100.76
46 82 83 00-1614	EA	1-1/2" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC5)	1,903.18	125.63
46 82 83 00-1615	EA	2" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC6)	2,092.02	159.53
46 82 83 00-1616	EA	3" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC7)	3,020.05	203.65
46 82 83 00-1617	EA	4" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC8)	3,932.64	341.84
46 82 83 00-1618	EA	6" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC9)	9,974.99	432.27
46 82 83 00-1619	EA	8" ANSI Class 300 Flange, Carbon Steel Flow Body (Sierra 240 GC10)	12,295.57	546.95
46 82 83 00-1620	EA	1" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC4)	2,582.30	100.76
46 82 83 00-1621	EA	1-1/2" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC5)	2,906.22	125.63
46 82 83 00-1622	EA	2" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC6)	3,240.63	159.53
46 82 83 00-1623	EA	3" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC7)	4,453.80	203.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1624	EA	4" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC8)	6,523.53	341.84
46 82 83 00-1625	EA	6" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC9)	11,426.48	432.27
46 82 83 00-1626	EA	8" ANSI Class 600 Flange, Carbon Steel Flow Body (Sierra 240 HC10)	14,763.09	546.95
46 82 83 00-1627	EA	Remote Electronics Explosion Proof Enclosure (Sierra 240 E4) Note: Specify cable length in parentheses, maximum 50'. Includes FMC, ATEX, IECEx and Cable glands. Class 1, Division 1.	1,990.37	59.82
46 82 83 00-1628	EA	Digital Display With Pushbuttons Option (Sierra 240 DD)	417.04	
46 82 83 00-1629	EA	No Readout Display Option (Sierra 240 NR) Note: Display highly recommended for setup/diagnostics.	443.44	
46 82 83 00-1630	EA	12-36 Volt C Input Power (Sierra 240 PV1)	1,029.33	
46 82 83 00-1631	EA	100-240 Volt AC, 50/60 Hertz Line Power, 25 Watt Input Power (Sierra 240 PS)	766.56	
46 82 83 00-1632	EA	One Analog Output (4-20 mA), One Alarm, One Pulse, And MODBUS (Sierra 240 V4M)	704.99	
46 82 83 00-1633	EA	One Analog Output (4-20 mA), One Alarm, One Pulse, And BACNet (Sierra 240 V4B)	618.03	
46 82 83 00-1634	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 240 V6H)	704.99	
46 82 83 00-1635	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 240 V6M)	704.99	
46 82 83 00-1636	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 240 V6B)	982.54	
46 82 83 00-1637	EA	High Process Temperature, -40 To 750 Degree F (Sierra 240 HT)	2,093.76	
46 82 83 00-1638	EA	Material Certificates Option (Sierra 240 MC) Note: US Mill certifications on all wetted parts.	230.36	
46 82 83 00-1639	EA	Pressure Test Certificate Option (Sierra 240 PT)	115.18	
46 82 83 00-1640	EA	Certificate Of Conformance Option (Sierra 240 CC)	115.18	
46 82 83 00-1641	EA	NACE Certificate Option (Sierra 240 NC)	230.36	
46 82 83 00-1642	EA	Meter Cleaned For O2 Service (Includes Certification) Option (Sierra 240 O2C) Note: Required O2C (oxygen cleaning) if meter to be used for oxygen service.	1,286.86	
46 82 83 00-1643	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM25V)	663.71	14.96
46 82 83 00-1644	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM50V)	1,026.08	23.93
46 82 83 00-1645	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM25VTP)	1,338.36	47.86
46 82 83 00-1646	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 240 ARM50VTP)	2,353.63	71.79
46 82 83 00-1647	EA	3/4" NPT To M20 Conversion Kit, Local Electronics (E2) Option (Sierra 240 M20L)	340.55	95.71
46 82 83 00-1648	EA	3/4" NPT To M20 Conversion Kit, Remote Electronics (E4) Option (Sierra 240 M20R)	683.88	143.58
46 82 83 00-1649	EA	Additional Instruction Manual (Sierra 240-IM)	87.38	

46 82 83 00-1650 InnovaMass® 240i Series *(46 82 83 00-1508)*

46 82 83 00-1651	EA	DN25/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD4)	2,541.75	29.92
46 82 83 00-1652	EA	DN40/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD5)	3,139.98	51.45
46 82 83 00-1653	EA	DN50/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD6)	3,537.19	57.43
46 82 83 00-1654	EA	DN80/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD7)	4,615.58	67.00
46 82 83 00-1655	EA	DN100/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD8)	5,660.64	100.76
46 82 83 00-1656	EA	DN150/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD9)	10,970.66	125.63
46 82 83 00-1657	EA	DN200/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240i FD10)	16,559.25	159.53
46 82 83 00-1658	EA	DN25/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD4)	3,842.51	29.92
46 82 83 00-1659	EA	DN40/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD5)	4,440.75	51.45
46 82 83 00-1660	EA	DN50/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD6)	5,183.50	57.43
46 82 83 00-1661	EA	DN80/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD7)	6,794.12	67.00
46 82 83 00-1662	EA	DN100/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD8)	8,125.15	100.76
46 82 83 00-1663	EA	DN150/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD9)	14,640.60	125.63
46 82 83 00-1664	EA	DN200/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240i GD10)	24,272.49	159.53
46 82 83 00-1665	EA	DN25/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD4)	5,127.39	29.92
46 82 83 00-1666	EA	DN40/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD5)	5,868.61	51.45
46 82 83 00-1667	EA	DN50/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD6)	6,047.36	57.43
46 82 83 00-1668	EA	DN80/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD7)	8,698.59	67.00
46 82 83 00-1669	EA	DN100/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD8)	11,965.88	100.76
46 82 83 00-1670	EA	DN150/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD9)	16,141.94	125.63
46 82 83 00-1671	EA	DN200/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240i HD10)	29,713.86	159.53
46 82 83 00-1672	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With External M12 Connection (Sierra 240i V6DP1)	704.99	
46 82 83 00-1673	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With Terminal Block Connection (Sierra 240i V6DP2)	704.99	
46 82 83 00-1674	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Foundation Fieldbus With Terminal Block Connections (Sierra 240i V6FF)	704.99	
46 82 83 00-1675	Day	Commissioning (Sierra 240i Commissioning)	2,978.85	
46 82 83 00-1676	EA	Hard Copy Instruction Manual (Sierra 240i IM)	45.32	

46 82 83 00-1677 InnovaMass® 240S Series *(46 82 83 00-1508)*

46 82 83 00-1678	EA	Liquid, Gas And Steam InnovaMass Volumetric Flow Meter (Sierra 240S V)	3,894.23	119.65
46 82 83 00-1679	EA	Velocity And Temperature Sensors (Sierra 240S VT)	6,597.08	119.65
46 82 83 00-1680	EA	Velocity, Temperature And Pressure Sensors (Sierra 240S VTP)	8,278.12	119.65
46 82 83 00-1681	EA	Velocity, Temperature And 4-20 mA Input For External Pressure Sensor (Sierra 240S VTEP)	8,278.12	119.65
46 82 83 00-1682	EA	VT Meter Plus Energy Meter Package (Sierra 240S VT EMS)	7,346.95	119.65
46 82 83 00-1683	EA	VTP Meter Plus Energy Meter Package (Sierra 240S VTP EMS)	9,089.80	119.65
46 82 83 00-1684	EA	1/2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F2)	2,037.13	57.43
46 82 83 00-1685	EA	3/4" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F3)	2,049.10	67.00
46 82 83 00-1686	EA	1" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F4)	2,091.28	100.76
46 82 83 00-1687	EA	1-1/2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F5)	2,192.81	125.63
46 82 83 00-1688	EA	2" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F6)	2,387.24	159.53
46 82 83 00-1689	EA	3" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F7)	3,447.73	203.65
46 82 83 00-1690	EA	4" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F8)	4,998.66	341.84
46 82 83 00-1691	EA	6" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F9)	7,507.59	432.27
46 82 83 00-1692	EA	8" Class 150 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S F10)	12,885.66	546.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1693	EA	1/2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G2)	2,972.41	57.43
46 82 83 00-1694	EA	3/4" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G3)	2,984.38	67.00
46 82 83 00-1695	EA	1" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G4)	3,026.56	100.76
46 82 83 00-1696	EA	1-1/2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G5)	3,350.59	125.63
46 82 83 00-1697	EA	2" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G6)	3,685.10	159.53
46 82 83 00-1698	EA	3" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G7)	5,610.83	203.65
46 82 83 00-1699	EA	4" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G8)	6,523.14	341.84
46 82 83 00-1700	EA	6" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G9)	12,447.71	432.27
46 82 83 00-1701	EA	8" Class 300 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S G10)	16,544.40	546.95
46 82 83 00-1702	EA	1/2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H2)	3,557.48	57.43
46 82 83 00-1703	EA	3/4" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H3)	3,569.45	67.00
46 82 83 00-1704	EA	1" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H4)	3,611.63	100.76
46 82 83 00-1705	EA	1-1/2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H5)	4,215.83	125.63
46 82 83 00-1706	EA	2" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H6)	4,550.34	159.53
46 82 83 00-1707	EA	3" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H7)	6,618.22	203.65
46 82 83 00-1708	EA	4" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H8)	13,937.44	341.84
46 82 83 00-1709	EA	6" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H9)	18,720.71	432.27
46 82 83 00-1710	EA	8" Class 600 Flanged, ANSI 316L Stainless Steel Flow Body (Sierra 240S H10)	26,072.36	546.95
46 82 83 00-1711	EA	DN15/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD2)	2,196.60	17.95
46 82 83 00-1712	EA	DN20/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD3)	2,495.13	23.93
46 82 83 00-1713	EA	DN25PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD4)	2,548.49	29.92
46 82 83 00-1714	EA	DN40/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD5)	3,166.26	51.45
46 82 83 00-1715	EA	DN50/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD6)	3,557.48	57.43
46 82 83 00-1716	EA	DN80/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD7)	4,634.52	67.00
46 82 83 00-1717	EA	DN100/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD8)	5,704.69	100.76
46 82 83 00-1718	EA	DN150/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD9)	10,536.21	125.63
46 82 83 00-1719	EA	DN200/PN16 Flanged, 316L Stainless Steel Flow Body (Sierra 240S FD10)	15,903.55	159.53
46 82 83 00-1720	EA	DN15/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD2)	3,356.44	17.95
46 82 83 00-1721	EA	DN20/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD3)	3,652.91	23.93
46 82 83 00-1722	EA	DN25/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD4)	3,858.72	29.92
46 82 83 00-1723	EA	DN40/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD5)	4,464.12	51.45
46 82 83 00-1724	EA	DN50/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD6)	5,207.62	57.43
46 82 83 00-1725	EA	DN80/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD7)	6,809.99	67.00
46 82 83 00-1726	EA	DN100/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD8)	8,189.17	100.76
46 82 83 00-1727	EA	DN150/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD9)	14,063.11	125.63
46 82 83 00-1728	EA	DN200/PN40 Flanged, 316L Stainless Steel Flow Body (Sierra 240S GD10)	23,307.55	159.53
46 82 83 00-1729	EA	DN15/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD2)	4,209.32	17.95
46 82 83 00-1730	EA	DN20/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD3)	4,705.62	23.93
46 82 83 00-1731	EA	DN25/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD4)	5,053.57	29.92
46 82 83 00-1732	EA	DN40/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD5)	5,891.77	51.45
46 82 83 00-1733	EA	DN50/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD6)	6,060.50	57.43
46 82 83 00-1734	EA	DN80/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD7)	8,727.94	67.00
46 82 83 00-1735	EA	DN100/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD8)	12,060.10	100.76
46 82 83 00-1736	EA	DN150/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD9)	15,501.05	125.63
46 82 83 00-1737	EA	DN200/PN64 Flanged, 316L Stainless Steel Flow Body (Sierra 240S HD10)	28,338.32	159.53
46 82 83 00-1738	EA	1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W2)	1,814.63	57.43
46 82 83 00-1739	EA	3/4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W3)	1,826.60	67.00
46 82 83 00-1740	EA	1" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W4)	1,353.76	100.76
46 82 83 00-1741	EA	1-1/2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W5)	1,677.78	125.63
46 82 83 00-1742	EA	2" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W6)	2,012.30	159.53
46 82 83 00-1743	EA	3" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W7)	2,483.60	203.65
46 82 83 00-1744	EA	4" Wafer Connection, 316L Stainless Steel Flow Body (Sierra 240S W8)	3,620.46	341.84
46 82 83 00-1745	EA	1" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC4)	1,868.78	100.76
46 82 83 00-1746	EA	1-1/2" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC5)	1,900.27	125.63
46 82 83 00-1747	EA	2" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC6)	2,094.70	159.53
46 82 83 00-1748	EA	3" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC7)	3,002.74	203.65
46 82 83 00-1749	EA	4" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC8)	3,933.59	341.84
46 82 83 00-1750	EA	6" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC9)	7,798.06	432.27
46 82 83 00-1751	EA	8" Class 150 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S FC10)	12,296.47	546.95
46 82 83 00-1752	EA	1" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC4)	1,870.84	100.76
46 82 83 00-1753	EA	1-1/2" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC5)	1,902.33	125.63
46 82 83 00-1754	EA	2" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC6)	2,092.64	159.53
46 82 83 00-1755	EA	3" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC7)	3,019.22	203.65
46 82 83 00-1756	EA	4" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC8)	3,933.59	341.84
46 82 83 00-1757	EA	6" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC9)	9,975.59	432.27
46 82 83 00-1758	EA	8" Class 300 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S GC10)	12,296.47	546.95
46 82 83 00-1759	EA	1" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC4)	2,581.58	100.76
46 82 83 00-1760	EA	1-1/2" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC5)	2,905.60	125.63
46 82 83 00-1761	EA	2" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC6)	3,240.12	159.53
46 82 83 00-1762	EA	3" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC7)	4,453.05	203.65
46 82 83 00-1763	EA	4" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC8)	6,523.14	341.84
46 82 83 00-1764	EA	6" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC9)	11,425.90	432.27
46 82 83 00-1765	EA	8" Class 600 Flanged, ANSI Carbon Steel Flow Body (Sierra 240S HC10)	14,762.41	546.95
46 82 83 00-1766	EA	Remote Electronics Explosion Proof Enclosure (Sierra 240S E4)	2,105.59	59.82
46 82 83 00-1767	EA	Digital Display With Push Buttons Option (Sierra 240S DD)	444.98	
46 82 83 00-1768	EA	No Readout Display Option (Sierra 240S NR)	442.92	
46 82 83 00-1769	EA	12-36 Volt DC Input Power (Sierra 240S PV1)	1,030.05	
46 82 83 00-1770	EA	25 Watt, 100-240 Volt AC, 50/60 Hertz Line Power (Sierra 240S PS)	1,252.54	
46 82 83 00-1771	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 240S V4M)	278.11	
46 82 83 00-1772	EA	One Analog Output (4-20 mA), One alarms, One Pulse, And BACNet (Sierra 240S V4B)	618.03	
46 82 83 00-1773	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 240S V6H)	982.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1774	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 240S V6M)	982.67	
46 82 83 00-1775	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 240S V6B)	982.67	
46 82 83 00-1776	EA	High Process Temperature -40°F To 750°F (Sierra 240S HT)	2,093.06	
46 82 83 00-1777	EA	Material Certificates (Sierra 240S MC)	241.03	
46 82 83 00-1778	EA	Pressure Test Certificate (Sierra 240S PT)	119.49	
46 82 83 00-1779	EA	Certificate Of Conformance (Sierra 240S CC)	119.49	
46 82 83 00-1780	EA	NACE Certification (Sierra 240S NC)	241.03	
46 82 83 00-1781	EA	Oxygen Cleaning Service (Sierra 240S 02C)	1,337.00	
46 82 83 00-1782	EA	25' Armored Cable With Glands, Meter Only (Sierra 240S ARM25V)	664.43	14.96
46 82 83 00-1783	EA	50' Armored Cable With Glands, Meter Only (Sierra 240S ARM50V)	1,026.60	23.93
46 82 83 00-1784	EA	25' Armored Cable With Glands, Meter Only (Sierra 240S ARM25VTP)	1,338.36	47.86
46 82 83 00-1785	EA	50' Armored Cable With Glands, Meter only (Sierra 240S ARM50VTP)	2,354.66	71.79
46 82 83 00-1786	EA	3/4" NPT To M20 Conversion Kit (Sierra 240S M20L)	340.55	95.71
46 82 83 00-1787	EA	3/4" NPT To M20 Conversion Kit (Sierra 240S M20R)	683.88	143.58
46 82 83 00-1788	Day	Commissioning (Sierra 240S Commissioning)	3,090.15	
46 82 83 00-1789	EA	Hard Copy Instruction Manual (Sierra 240S IM)	45.32	
46 82 83 00-1790		InnovaMass® 241 Series *(46 82 83 00-1508)*		
46 82 83 00-1791	EA	2" Male NPT With Welded On Retractor, ANSI Packing Gland (Sierra 241 PMR) Note: Must be used for process pressures 600 PSIG or greater but can be used for lower process pressures.	4,060.53	159.53
46 82 83 00-1792	EA	2" Male NPT With Retractor, Class 600 PSIG Pressure Rating (For LE), ANSI Packing Gland (Sierra 241 PMR-LE)	6,647.44	159.53
46 82 83 00-1793	EA	2" Class 150 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, ANSI Packing Gland (Sierra 241i PF) Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).	2,262.76	159.53
46 82 83 00-1794	EA	2" Class 150 Flange With Retractor, ANSI Packing Gland (Sierra 241 PFR)	4,503.91	159.53
46 82 83 00-1795	EA	2" Class 150 Flange With Retractor, ANSI Packing Gland (Sierra 241 PFR-LE) Note: For use with extended probe length (use LE option).	7,081.17	159.53
46 82 83 00-1796	EA	2" Class 300 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, ANSI Packing Gland (Sierra 241i PG) Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).	2,507.03	159.53
46 82 83 00-1797	EA	2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241 PGR)	4,715.56	159.53
46 82 83 00-1798	EA	2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241 PGR-LE) Note: For use with extended probe length (use LE option).	7,322.33	159.53
46 82 83 00-1799	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241 PHR)	5,018.56	159.53
46 82 83 00-1800	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241 PHR-LE) Note: For use with extended probe length (use LE option).	7,616.41	159.53
46 82 83 00-1801	EA	Meter Cleaned For O2 Service (Includes Certification) Option (Sierra 241 O2C) Note: Required O2C (oxygen cleaning) if meter to be used for oxygen service.	1,336.80	
46 82 83 00-1802	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM25V)	663.71	14.96
46 82 83 00-1803	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM50V)	1,026.08	23.93
46 82 83 00-1804	EA	25' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM25VTP)	1,284.52	14.96
46 82 83 00-1805	EA	50' Armored Cable With Glands (ATEX, IECEX) V Meter Only Adder Option (Sierra 241 ARM50VTP)	2,269.87	23.93
46 82 83 00-1806	EA	3/4" NPT To M20 Conversion Kit, Local Electronics (E2) Option (Sierra 241 M20L)	192.35	12.92
46 82 83 00-1807	EA	3/4" NPT To M20 Conversion Kit, Remote Electronics (E4) Option (Sierra 241 M20R)	451.92	12.92
46 82 83 00-1808	EA	Additional Instruction Manual (Sierra 241-IM)	49.01	
46 82 83 00-1809	EA	Removable Retractor Transportable (Sierra 241i-RR) Note: Only available with packing gland connections PM, PF, and PG.	3,050.34	
46 82 83 00-1810	EA	Removable Retractor Transportable For Extended Length Probes (Sierra 241-LERR) Note: Only available with packing gland connections PM, PF, and PG. For use with LE only.	6,332.38	
46 82 83 00-1811	EA	2" Female NPT, Full Port Bronze Gate Valve (Sierra 241-RK1) Note: Mounting kit includes two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 125 maximum pressure: 200 PSIG at 100 Degree F; maximum temperature: 400 Degree F at 125 PSIG.	1,021.25	59.82
46 82 83 00-1812	EA	2" Class 150 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK2) Note: Use mounting accessories for pipe adapters. Class 150 maximum pressure: 285 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 80 PSIG.	2,516.96	159.53
46 82 83 00-1813	EA	2" Class 150 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK20) Note: Use mounting accessories for pipe adapters. Class 150 maximum pressure: 285 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 80 PSIG.	3,021.37	159.53
46 82 83 00-1814	EA	2" Class 300 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK3) Note: Use mounting accessories for pipe adapters. Class 300 maximum pressure: 740 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 410 PSIG.	3,067.05	159.53
46 82 83 00-1815	EA	2" Class 300 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK30) Note: Use mounting accessories for pipe adapters. Class 300 maximum pressure: 740 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 410 PSIG.	5,174.09	159.53
46 82 83 00-1816	EA	2" Class 600 Flange, Full Port Carbon Steel Gate Valve (Sierra 241-RK4) Note: Use mounting accessories for pipe adapters. Maximum Pressure: 1480 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 825 PSIG.	5,892.99	159.53
46 82 83 00-1817	EA	2" Class 600 Flange, Full Port Stainless Steel Gate Valve (Sierra 241-RK40) Note: Use mounting accessories for pipe adapters. Class 600 Maximum Pressure: 1480 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 825 PSIG.	10,974.90	159.53
46 82 83 00-1818	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve (Sierra 241-RK10) Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 200 Maximum Pressure: 275 PSIG at 100 Degree F. Maximum temperature: 350 Degree F at 200 PSIG.	2,816.50	59.82
46 82 83 00-1819	EA	2" Female NPT, Full Port Carbon Steel Valve (Sierra 241-RK11) Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adaptor and one pipe coupler. Class 800 Maximum Pressure: 1975 PSIG at 100 Degree F. Maximum temperature 800 Degree F at 1100 PSIG.	3,446.36	159.53
46 82 83 00-1820	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve (Sierra 241-RK110) Note: Mounting kit includes: two 2" x 3" nipples, one 2" female NPT mounting adapter and one pipe coupler. Class 800 Maximum Pressure: 1975 PSIG at 100 Degree F. Maximum temperature: 800 Degree F at 1100 PSIG.	10,395.02	159.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1821	EA	2" Female NPT Carbon Steel Mounting Adapter (Sierra 241-MA) Note: Specify pipe O.D. in parenthesis. For use with CM or PM process connections.	332.47	159.53
46 82 83 00-1822	EA	2" Female NPT Stainless Steel Mounting Adapter (Sierra 241-MAS) Note: Specify pipe O.D. in parenthesis. For use with CM or PM process connections.	407.93	159.53
46 82 83 00-1823	EA	2" Class 150 Flange Carbon Steel Mounting Adapter (Sierra 241-FMA) Note: For use with 241-RK2 gate valve, CF or PF process connections. Weldneck flange welded to 2" pipe adapter.	540.98	159.53
46 82 83 00-1824	EA	2" Class 150 Flange Stainless Steel Mounting Adapter (Sierra 241-FMAS) Note: For use with 241-RK2 gate valve, CF or PF process connections. Weldneck flange welded to 2" pipe adapter.	632.34	159.53
46 82 83 00-1825	EA	2" Class 300 Flange Carbon Steel Mounting Adapter (Sierra 241-GMA) Note: For use with 241-RK3 gate valve, CG or PG process connections. Weldneck flange welded to 2" pipe adapter.	606.52	159.53
46 82 83 00-1826	EA	2" Class 300 Flange Stainless Steel Mounting Adapter (Sierra 241-GMAS) Note: For use with 241-RK3 gate valve, CG or PG process connections. Weldneck flange welded to 2" pipe adapter.	789.22	159.53
46 82 83 00-1827	EA	2" Class 600 Flange Carbon Steel Mounting Adapter (Sierra 241-HMA) Note: For use with 241-RK4 gate valve, PHR process connections. Weldneck flange welded to 2" pipe adapter.	644.25	159.53
46 82 83 00-1828	EA	2" Class 600 Flange Stainless Steel Mounting Adapter (Sierra 241-HMAS) Note: For use with 241-RK4 gate valve, PHR process connections. Weldneck flange welded to 2" pipe adapter.	868.66	159.53
46 82 83 00-1829		**InnovaMass® 241i Series** *(46 82 83 00-1508)*		
46 82 83 00-1830	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With External M12 Connection (Sierra 241i V6DP1)	731.34	
46 82 83 00-1831	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Profibus DP With Terminal Block Connection (Sierra 241i V6DP2)	901.60	
46 82 83 00-1832	EA	Three Analog Outputs (4-20 mA), One Alarm, One Pulse, Foundation Fieldbus With Terminal Block Connections (Sierra 241i V6FF)	901.60	
46 82 83 00-1833	EA	2" Class 600 lb Flange, Packing Gland (Sierra 241i PH)	2,804.91	159.13
46 82 83 00-1834	EA	DN50/PN16 Flange, Compression Fitting (Sierra 241i CFD)	1,997.10	
46 82 83 00-1835	EA	DN50/PN40 Flange, Compression Fitting (Sierra 241i CGD)	2,416.12	
46 82 83 00-1836	EA	DN50/PN64 Flange, Compression Fitting (Sierra 241i CHD)	2,777.56	
46 82 83 00-1837	EA	DN50/PN16 Flange, Packing Gland (Sierra 241i PFD)	2,177.37	159.13
46 82 83 00-1838	EA	DN50/PN40 Flange, Packing Gland (Sierra 241i PGD)	2,749.81	159.13
46 82 83 00-1839	EA	DN50/PN64 Flange, Packing Gland (Sierra 241i PHD)	3,758.14	159.13
46 82 83 00-1840	EA	Liquid, Gas And Steam InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i V) Note: No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature, -330 to -40 Degree F - Code CT; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	4,498.04	119.65
46 82 83 00-1841	EA	Velocity And Temperature Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VT) Note: Mass measurement with temperature compensation. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Cryogenic Process Temperature, -330 to -40 Degree F - Code CT; Standard Process Temperature -40 to 500 Degree F - Code ST; No Pressure Sensor- Code MP0; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	8,197.77	119.65
46 82 83 00-1842	EA	Velocity, Temperature And Pressure Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTP) Note: Mass measurement with pressure and temperature compensation and automatic flow profile compensation by calculating the Reynolds number. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5.	9,049.72	119.65
46 82 83 00-1843	EA	Velocity, Temperature And Pressure Sensors InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTEP) Note: Mass measurement with pressure temperature compensation. Excludes pressure sensor. Unit has a 4-20 mA input for an external pressure sensor. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 Degree F to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5	11,613.89	119.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1844	EA	VT Meter Plus Energy Meter Package InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VT EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD. No cost options include: Standard probe - Code LS; Compact Probe Available Only For Connections CM, CF, CG And CH - Code LC; Explosion Proof Enclosure Mounted On Probe, Includes FMC, IECEx And ATEX, Class 1, Division 1 - Code E2; 12-36 Volt DC Loop Powered (Only Available With V4LH) - Code PV1L; One Analog Output (4-20 mA), One Pulse, HART, Loop Powered - Code V4LH; One Analog Output (4-20 mA), One Alarm, One Pulse And HART Communication, Not Loop Powered - Code V4H; Standard Process Temperature -40 to 500 Degree F - Code ST; Maximum 30 PSIG, Proof 60 PSIG - Code MP1; Maximum 100 PSIG, Proof 200 PSIG - Code MP2; Maximum 300 PSIG, Proof 600 PSIG - Code MP3; Maximum 500 PSIG, Proof 1000 PSIG - Code MP4; Maximum 1500 PSIG, Proof 2500 PSIG - Code MP5	11,613.89	119.65
46 82 83 00-1845	EA	VT Meter Plus Energy Meter Package InnovaMass® Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241i VTP EMS) Note: Calculates energy in BTU or kjoules. Based on flow and temperature measurement (Class A RTD) from meter and secondary RTD to provide delta temperature. Excludes remote RTD.	12,207.45	119.65
46 82 83 00-1846	EA	Extended Probe Length (Sierra 241i LE) Note: Consult factory if for PMR, PFR, PGR or PHR.	581.92	
46 82 83 00-1847	EA	Remote Electronics Explosion Proof Enclosure (Sierra 241i E4) Note: Specify cable length in parentheses, maximum 50'. Includes FMC, ATEX, IECEx and Cable glands. Class 1, Division 1.	1,581.27	59.82
46 82 83 00-1848	EA	Digital Display With Pushbuttons Option (Sierra 241i DD)	417.04	
46 82 83 00-1849	EA	No Readout Display Option (Sierra 241i NR) Note: Display highly recommended for setup/diagnostics.	443.44	
46 82 83 00-1850	EA	12-36 Volt DC Input Power (Sierra 241i PV1)	1,029.33	
46 82 83 00-1851	EA	100-240 Volt AC, 50/60 Hertz Line Power, 25 Watt Input Power (Sierra 241i PS)	981.03	
46 82 83 00-1852	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 241i V4M)	901.60	
46 82 83 00-1853	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 241 V4B)	618.03	
46 82 83 00-1854	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 241i V6H)	901.60	
46 82 83 00-1855	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 241i V6M)	901.60	
46 82 83 00-1856	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 241i V6B)	982.54	
46 82 83 00-1857	EA	High Process Temperature, -40 To 750 Degree F (Sierra 241i HT)	2,093.86	
46 82 83 00-1858	EA	2" Male NPT, Class 600, ANSI Compression Fitting (Sierra 241i CM)	862.70	159.53
46 82 83 00-1859	EA	2" Class 150 Flange, ANSI Compression Fitting (Sierra 241i CF)	1,412.79	159.53
46 82 83 00-1860	EA	2" Class 300 Flange, ANSI Compression Fitting (Sierra 241i CG)	1,714.65	159.53
46 82 83 00-1861	EA	2" Class 600 Flange, ANSI Compression Fitting (Sierra 241i CH)	2,076.09	159.53
46 82 83 00-1862	EA	2" Male NPT, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241i PM) Note: Packing gland itself rated to 600 PSIG process pressure. Packing gland live insertion/removal up to 600 PSIG must use a retractor (removable or welded on).	1,744.44	159.53
46 82 83 00-1863	EA	Material Certificates Option (Sierra 241i MC) Note: US Mill certifications on all wetted parts.	293.91	
46 82 83 00-1864	EA	Pressure Test Certificate Option (Sierra 241i PT)	146.96	
46 82 83 00-1865	EA	Certificate Of Conformance Option (Sierra 241i CC)	146.96	
46 82 83 00-1866	EA	NACE Certificate Option (Sierra 241i NC)	293.91	
46 82 83 00-1867	Day	Commissioning (Sierra 241i Commissioning)	2,978.85	
46 82 83 00-1868	EA	Hard Copy Instruction Manual (Sierra 241i IM)	87.38	

46 82 83 00-1869 InnovaMass® 241S Series *(46 82 83 00-1508)*

46 82 83 00-1870	EA	Liquid, Gas And Steam InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S V)	5,847.20	119.65
46 82 83 00-1871	EA	Velocity And Temperature Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VT)	9,520.36	119.65
46 82 83 00-1872	EA	Velocity, Temperature And Pressure Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VTP)	10,595.73	119.65
46 82 83 00-1873	EA	Velocity, Temperature And Pressure Sensors InnovaMass Insertion Multiparameter Mass Vortex Flow Meter (Sierra 241S VTEP)	10,377.36	119.65
46 82 83 00-1874	EA	VT Meter Plus Energy Meter Package (Sierra 241S VT MS)	10,377.36	119.65
46 82 83 00-1875	EA	VTP Meter Plus Energy Meter Package (Sierra 241S VTP EMS)	11,382.69	119.65
46 82 83 00-1876	EA	Extended Probe Length (Sierra 241S LE)	580.95	
46 82 83 00-1877	EA	Remote Electronics Explosion Proof Enclosure (Sierra 241S E4)	2,105.59	59.82
46 82 83 00-1878	EA	Digital Display With Pushbuttons Option (Sierra 241S DD)	444.98	
46 82 83 00-1879	EA	No Readout Display Option (Sierra 241S NR)	442.92	
46 82 83 00-1880	EA	12-36 Volt DC Input Power (Sierra 241S PV1)	1,030.05	
46 82 83 00-1881	EA	100-240 Volt AC, 50/60 Hertz Line Power, 25 Watt Input Power (Sierra 241S PS)	1,252.54	
46 82 83 00-1882	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And MODBUS (Sierra 241S V4M)	278.11	
46 82 83 00-1883	EA	One Analog Output (4-20 mA), One Alarms, One Pulse, And BACNet (Sierra 241S V4B)	618.03	
46 82 83 00-1884	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, HART (Sierra 241S V6H)	982.67	
46 82 83 00-1885	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, MODBUS (Sierra 241S V6M)	982.67	
46 82 83 00-1886	EA	Three Analog Outputs (4-20 mA), Three Alarms, One Pulse, BACNet (Sierra 241S V6B)	982.67	
46 82 83 00-1887	EA	High Process Temperature -40°F To 750°F (Sierra 241S HT)	2,093.06	
46 82 83 00-1888	EA	2" Male NPT, Class 600, ANSI Compression Fitting (Sierra 241S CM)	737.10	159.53
46 82 83 00-1889	EA	2" Class 150 Flange, ANSI Compression Fitting (Sierra 241S CF)	1,182.08	159.53
46 82 83 00-1890	EA	2" Class 300 Flange, ANSI Compression Fitting (Sierra 241S CG)	1,427.23	159.53
46 82 83 00-1891	EA	2" Class 600 Flange, ANSI Compression Fitting (Sierra 241S CH)	1,719.76	159.53
46 82 83 00-1892	EA	2" Male NPT, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PM)	1,451.95	159.53
46 82 83 00-1893	EA	2" Male NPT, 600 PSIG With Welded On Retractor, Packing Gland (Sierra 241S PMR)	4,060.04	159.53
46 82 83 00-1894	EA	2" Male NPT, Class 600 PSIG With Retractor, Packing Gland For LE (Sierra 241S PMR-LE)	6,647.52	159.53
46 82 83 00-1895	EA	2" Class 150 Flange, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PF)	1,872.21	159.53
46 82 83 00-1896	EA	2" Class 150 Flange, Packing Gland With Retractor (Sierra 241S PFR)	4,502.96	159.53
46 82 83 00-1897	EA	2" Class 150 Flange, Packing Gland With Retractor For Use With Extended Probe Length (Sierra 241S PFR LE)	7,080.14	159.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1898	EA	2" Class 300 Flange, 50 PSIG Maximum Process Pressure For Live Insertion/Removal Without A Retractor, ANSI Packing Gland (Sierra 241S PG)	2,069.98	159.53
46 82 83 00-1899	EA	2" Class 300 Flange With Retractor, ANSI Packing Gland (Sierra 241S PGR)	4,715.15	159.53
46 82 83 00-1900	EA	2" Class 300 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PGR-LE)	7,323.24	159.53
46 82 83 00-1901	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland (Sierra 241S PHR)	5,017.98	159.53
46 82 83 00-1902	EA	2" Class 600 Flange With Retractor, ANSI Packing Gland For Use With Extended Probe Length (Sierra 241S PHR-LE)	7,615.77	159.53
46 82 83 00-1903	EA	DN50/PN16 Flange, Compression Fitting (Sierra 241S CFD)	1,802.17	159.53
46 82 83 00-1904	EA	DN50/PN40 Flange, Compression Fitting (Sierra 241S CGD)	2,142.08	159.53
46 82 83 00-1905	EA	DN50/PN64 Flange, Compression Fitting (Sierra 241S CHD)	2,434.62	159.53
46 82 83 00-1906	EA	DN50/PN16 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, Packing Gland (Sierra 241S PFD)	2,457.28	159.53
46 82 83 00-1907	EA	DN50/PN16 Flange With Retractor, Packing Gland (Sierra 241S PFDR)	4,960.30	159.53
46 82 83 00-1908	EA	DN50/PN16 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PFDR-LE)	7,450.96	159.53
46 82 83 00-1909	EA	DN50/PN40 Flange, 50 PSIG Maximum Process Pressure Without Removable Retractor, Packing Gland (241S PGD)	2,749.81	159.53
46 82 83 00-1910	EA	DN50/PN40 Flange With Retractor, Packing Gland (Sierra 241S PGDR)	5,287.86	159.53
46 82 83 00-1911	EA	DN50/PN40 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PGDR-LE)	7,768.22	159.53
46 82 83 00-1912	EA	DN50/PN64 Flange With Retractor, Packing Gland (Sierra 241S PHDR)	5,557.73	159.53
46 82 83 00-1913	EA	DN50/PN64 Flange With Retractor, Packing Gland For Extended Probe Length (Sierra 241S PHDR-LE)	8,038.09	159.53
46 82 83 00-1914	EA	Material Certificates (Sierra 241S MC)	241.03	
46 82 83 00-1915	EA	Pressure Test Certificate (Sierra 241S PT)	119.49	
46 82 83 00-1916	EA	Certificate Of Conformance (Sierra 241S CC)	119.49	
46 82 83 00-1917	EA	NACE Certification (Sierra 241S NC)	241.03	
46 82 83 00-1918	EA	Oxygen Cleaning Service (Sierra 241S 02C)	1,337.00	
46 82 83 00-1919	EA	25' Armored Cable With Glands, Meter Only (Sierra 241S ARM25V)	664.43	14.96
46 82 83 00-1920	EA	50' Armored Cable With Glands, Meter Only (Sierra 241S ARM50V)	1,026.60	23.93
46 82 83 00-1921	EA	25' Armored Cable With Glands, Meter Only (Sierra 241S ARM25VTP)	1,338.36	47.86
46 82 83 00-1922	EA	50' Armored Cable With Glands, Meter Only (Sierra 241S ARM50VTP)	2,354.66	71.79
46 82 83 00-1923	EA	3/4" NPT To M20 Conversion Kit (Sierra 241S M20L)	340.55	95.71
46 82 83 00-1924	EA	3/4" NPT To M20 Conversion Kit (Sierra 241S M20R)	683.88	143.58
46 82 83 00-1925	EA	Commissioning (Sierra 241S Commissioning)	3,090.15	
46 82 83 00-1926	EA	Removable Retractor Transportable (Sierra 241S RR)	4,324.15	
46 82 83 00-1927	EA	Removable Retractor TransportableFor Extended Length Probes (Sierra 241S LERR)	6,332.75	
46 82 83 00-1928	EA	2" Female NPT, Full Port Bronze Gate Valve With Mounting Kit (Sierra 241S RK1)	1,069.36	59.82
46 82 83 00-1929	EA	2" Class 150 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK2)	2,657.11	159.53
46 82 83 00-1930	EA	2" Class 150 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK20)	4,029.14	159.53
46 82 83 00-1931	EA	2" Class 300 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK3)	3,217.46	159.53
46 82 83 00-1932	EA	2" Class 300 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK30)	5,475.33	159.53
46 82 83 00-1933	EA	2" Class 600 Flange, Full Port Carbon Steel Gate Valve (Sierra 241S RK4)	6,188.12	159.53
46 82 83 00-1934	EA	2" Class 600 Flange, Full Port Stainless Steel Gate Valve (Sierra 241S RK40)	11,628.84	159.53
46 82 83 00-1935	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve With Mounting Kit (Sierra 241S RK10)	2,972.89	59.82
46 82 83 00-1936	EA	2" Female NPT, Full Port Carbon steel valve With Mounting Kit (Sierra 241S RK11)	3,615.06	159.53
46 82 83 00-1937	EA	2" Female NPT, Full Port 316 Stainless Steel Gate Valve With Mounting Kit (Sierra 241S RK110)	11,012.87	159.53

46 82 83 00-1938 InnovaSwitch™ 615 Series *(46 82 83 00-1508)*

46 82 83 00-1939	EA	InnovaSwitch™ Level Switch (Sierra 615-LS32) Note: No cost option includes: Non-Explosion Proof Switch - Code NX; 3/4" MNPT - Code 75; 316 Stainless Steel - Code S6; 2" Insertion Length - Code 2; 110 VAC - Code 110; 220 VAC - Code 220; Local Electronics - Code LE.	2,512.14	119.65
46 82 83 00-1940	EA	InnovaSwitch™ Flow Switch (Sierra 615-FS42) Note: No cost option includes: Non-Explosion Proof Switch - Code NX; 3/4" MNPT - Code 75; 316 Stainless Steel - Code S6; 2" Insertion Length - Code 2; 110 VAC - Code 110; 220 VAC - Code 220; Local Electronics - Code LE.	2,760.38	119.65
46 82 83 00-1941	EA	CSA Approved (Sierra 615 CS)	137.03	
46 82 83 00-1942	EA	1-1/2" Sanitary With 3A Stamp Mount (Sierra 615 3A1)	802.25	43.67
46 82 83 00-1943	EA	1/2" MNPT Mount (Sierra 615 50)	271.34	25.49
46 82 83 00-1944	EA	1" MNPT Mount (Sierra 615 100)	297.62	38.64
46 82 83 00-1945	EA	1" Class 150 Stainless Steel Raised Face Flange Mount (Sierra 615 RA1)	703.84	100.76
46 82 83 00-1946	EA	2" Class 150 Stainless Steel Raised Face Flange Mount (Sierra 615 RA2)	914.33	159.53
46 82 83 00-1947	EA	1" Class 300 Stainless Steel Raised Face Flange Mount (Sierra 615 RB1)	868.67	100.76
46 82 83 00-1948	EA	2" Class 300 Stainless Steel Raised Face Flange Mount (Sierra 615 RB2)	1,051.36	159.53
46 82 83 00-1949	EA	Low Flow Sensor Mount (Sierra 615 LFS)	2,181.01	59.82
46 82 83 00-1950	EA	304 Stainless Steel Material Option (Sierra 615 S4)	687.12	
46 82 83 00-1951	EA	304L Stainless Steel Material Option (Sierra 615 SL)	687.12	
46 82 83 00-1952	EA	Hastalloy® C Material Option (Sierra 615 HC)	1,318.64	
46 82 83 00-1953	EA	Iconel 600 Material Option (Sierra 615 IO)	1,127.99	
46 82 83 00-1954	EA	Monel Material Option (Sierra 615 MN)	1,127.99	
46 82 83 00-1955	EA	Alloy 20 Material Option (Sierra 615 A2)	1,127.99	
46 82 83 00-1956	EA	Special Probe Insertion Base Cost (Sierra 615 xxx.xx) Note: 1/2" to 120" in 1/4" increments. Use task for Special Probe Insertion Length Cost in addition to this task.	329.66	
46 82 83 00-1957	IN	Special Probe Insertion Length Cost (Sierra 615 xxx.xx) Note: Use task for Special Probe Insertion Length Base Cost in addition to this task.	19.86	
46 82 83 00-1958	EA	24 Volt DC Power Input (Sierra 615 24D) Note: Not available with MT or HT switch (615-FS42).	248.24	
46 82 83 00-1959	EA	Remote Electronics (25' Of Cable) (Sierra 615 RE) Note: MT and HT option must be RE. RE adder is included in the MT and HT price.	963.16	
46 82 83 00-1960	EA	Potted Cable (Not Explosion Proof) (Sierra 615 PC)	220.43	
46 82 83 00-1961	EA	Calibration Option (Sierra 615 CB) Note: Air and water only, all others consult factory.	413.07	
46 82 83 00-1962	EA	Extended Neck Option (Sierra 615 EN)	254.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-1963	EA	Explosion Proof Window Option (Sierra 615 XW)	385.26	
46 82 83 00-1964	EA	3/4" NPT Variable Insertion, With Teflon Ferrules Option (Sierra 615 VI) Note: 15 PSIG max, >3" pipe ID required.	550.09	
46 82 83 00-1965	EA	Live (Hot) Tap Option (Sierra 615 LT)	1,237.22	
46 82 83 00-1966	EA	Double Sided Option (Sierra 615 DS)	550.09	
46 82 83 00-1967	EA	Medium Temperature Option (Sierra 615 MT) Note: Includes RE with 3" EN.	1,292.82	
46 82 83 00-1968	EA	High Temperature Option (Sierra 615 HT) Note: Includes RE with 6" EN.	2,198.39	
46 82 83 00-1969	EA	RTD Output Option (Sierra 615 RTD)	385.26	
46 82 83 00-1970	EA	Thermocouple Output Option (Sierra 615 TO)	385.26	
46 82 83 00-1971	EA	Additional Cable Option (Sierra 615 CA)	43.69	
46 82 83 00-1972	EA	Stainless Steel Tag Option (Sierra 615 TG)	87.38	
46 82 83 00-1973	EA	CE Approval Option (Sierra 615 CE)	220.43	
46 82 83 00-1974	EA	Oxygen Cleaning Option (Sierra 615 O2 Cleaning)	687.12	
46 82 83 00-1975	EA	Additional Instruction Manual (Sierra 615-IM)	87.38	
46 82 83 00-1976		**FastFlo™ 620S / BoilerTrak™ 620S-BT** *(46 82 83 00-1508)*		
46 82 83 00-1977	EA	FastFlo™ Insertion Mass Flow Meter (Sierra 620S) Note: 18-30 Volt DC input power with a 3/8" diameter probe. Includes "Smart Electronics" with PC configuration software, calibrated temperatures up to 176 Degree F and pressures up to 120 PSIG. 200 msec response. CE approved. 4-20 mA, 0-10 Volt DC or 0-5 Volt DC linear output. No cost options include: 3.7 Probe Length - Code L04; NEMA 4X (IP65) Enclosure, Mounted Directly On Probe - Code EN2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; Air - Code 0; Methane (Natural Gas) Correlation (3.0% Reading Plus 1% Full Scale - Code 9; Propane Correlation (3.0% Reading Plus 1.0% Full Scale - Code 13.	4,452.37	119.65
46 82 83 00-1978	EA	BoilerTrak™ Insertion Mass Flow Meter (Sierra 620S-BT) Note: Optimized for natural gas and propane. 15-18 Volt DC input power with a 3/8" diameter probe. Includes "Smart Electronics" with PC configuration software, calibrated temperatures up to 100F and pressures up to 30 PSIG real gas calibration and 120 PSIG correlation. 200 msec response. CE approved. 4-20 mA and 0-5 Volt DC linear output. No cost options include: 3.7 Probe Length - Code L04; NEMA 4X (IP65) Enclosure, Mounted Directly On Probe - Code EN2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; Air - Code 0; Methane (Natural Gas) Correlation (3.0% Reading Plus 1% Full Scale - Code 9; Propane Correlation (3.0% Reading Plus 1.0% Full Scale - Code 13.	4,452.37	119.65
46 82 83 00-1979	EA	6" Probe Length (Sierra 620 L06)	65.53	
46 82 83 00-1980	EA	9" Probe Length (Sierra 620 L09)	109.22	
46 82 83 00-1981	EA	13" Probe Length (Sierra 620 L13)	174.76	
46 82 83 00-1982	EA	Special Probe Insertion Base Cost (Sierra 620 L) Note: Specify length in parentheses, 24" maximum, 3.7" minimum. Use modifier for Special Probe Insertion Length Cost in addition to this task.	283.98	
46 82 83 00-1983	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 620)	10.30	
46 82 83 00-1984	EA	Compression Fitting For 3/8" Probe Feed Through By 1/2" Male NPT Mounting Accessory (Sierra 620 M1)	184.13	12.92
46 82 83 00-1985	EA	3/8" Probe Feed Through By 1/2" Male NPT Compression Fitting With Weld-O-Let Mounting Accessory (Sierra 620 M1-M2) Note: 1/2" Female NPT. Welds to pipe, specify pipe O.D. in parentheses.	458.18	12.92
46 82 83 00-1986	EA	Flat Duct Bracket, 3/8" Tube Compression Fitting Mounting Accessory (Sierra 620 M3)	676.63	12.92
46 82 83 00-1987	EA	Curved Duct Bracket, 3/8" Tube Compression Fitting Mounting Accessory (Sierra 620 M4) Note: Specify duct O.D. in parentheses.	720.32	12.92
46 82 83 00-1988	EA	Conex (Viton® Compression Fitting) Packing Gland Mounting Accessory (Sierra 620 M6) Note: Can be used with customer supplied ball valve for live insertion or removal up to product maximum pressures. Compression fitting for 3/8" probe feed through By 1/2" male NPT.	567.41	12.92
46 82 83 00-1989	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 620 EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,104.66	59.82
46 82 83 00-1990	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 620)	6.95	
46 82 83 00-1991	EA	0-10 Volt DC, Linear Output (Sierra 620 V3)	109.22	
46 82 83 00-1992	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 620 DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	218.45	
46 82 83 00-1993	EA	Argon Calibration (Sierra 620 1)	1,008.84	
46 82 83 00-1994	EA	Carbon Dioxide Gas Calibration (Sierra 620 2)	1,008.84	
46 82 83 00-1995	EA	Helium Calibration (Sierra 620 6)	1,008.84	
46 82 83 00-1996	EA	Nitrogen Calibration (Sierra 620 10)	1,008.84	
46 82 83 00-1997	EA	Methane (Natural Gas) Calibration (1.0% Full Scale) (Sierra 620 8) Note: For BoilerTrak only.	1,177.64	
46 82 83 00-1998	EA	Propane Calibration (1.0% Full Scale) (Sierra 620 12) Note: For BoilerTrak only.	1,177.64	
46 82 83 00-1999	EA	Totalizer Pulse Output (1 Hertz Max) Digital Communication (Sierra 620 Pulse)	266.11	
46 82 83 00-2000	EA	Modbus Communications Protocol Digital Communication Option (Sierra 620 MB)	762.59	
46 82 83 00-2001	EA	Material Certificate Option (Sierra 620 MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2002	EA	Certificate Of Conformance Option (Sierra 620 CC)	133.06	
46 82 83 00-2003	EA	NACE Certificate For Sour Gas Option (Sierra 620 NACE)	133.06	
46 82 83 00-2004	EA	Leak Test Certificate (Sierra 620 LT)	133.06	
46 82 83 00-2005	EA	Pressure Test Certificate Option (Sierra 620 PT)	266.11	
46 82 83 00-2006	EA	24 Volt DC Power Supply For 620S (Sierra 620 100-T10F US) Note: Supplied with fly leads, 1.5 Amps, 110-230 VAC, CE approved.	266.11	
46 82 83 00-2007	EA	15 Volt DC Power Supply (Sierra 620 900-T1) Note: For BoilerTrak only.	182.70	
46 82 83 00-2008	EA	Additional Instruction Manual (Sierra 620S-IM)	87.38	
46 82 83 00-2009	EA	1-Year Extended Warranty (Sierra 620 W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	270.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2010	EA	2-Year Extended Warranty (Sierra 620 W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	432.62	
46 82 83 00-2011		**AirTrak™ 628S Series** *(46 82 83 00-1508)*		
46 82 83 00-2012	EA	Inline Mass Flow Meter, 1" Flow Body Tube (Sierra 628S BW1)	8,645.82	159.53
46 82 83 00-2013	EA	Inline Mass Flow Meter, 1-1/2" Flow Body Tube (Sierra 628S BW1.5)	9,160.85	159.53
46 82 83 00-2014	EA	Inline Mass Flow Meter, 2" Flow Body Tube (Sierra 628S BW2)	9,469.86	159.53
46 82 83 00-2015	EA	Inline Mass Flow Meter, 3" Flow Body Tube (Sierra 628S BW3)	9,984.89	159.53
46 82 83 00-2016	EA	Inline Mass Flow Meter, 4" Flow Body Tube (Sierra 628S BW4)	11,684.47	159.53
46 82 83 00-2017	EA	Inline Mass Flow Meter, 6" Flow Body Tube (Sierra 628S BW6)	12,735.12	159.53
46 82 83 00-2018	EA	Inline Mass Flow Meter, 8" Flow Body Tube (Sierra 628S BW8)	14,177.19	159.53
46 82 83 00-2019	EA	Remote NEMA 4X (IP65) Enclosure With Junction Box (Sierra 628S EN4)	1,141.46	59.82
46 82 83 00-2020	EA	0-10 Volt DC, Linear Output Power (Sierra 628S V3)	113.31	
46 82 83 00-2021	EA	2 x 12 Digit, Backlit, LCD Digital Display (Sierra 628S DD)	226.61	
46 82 83 00-2022	EA	Argon Calibration (Sierra 628S-1)	817.86	
46 82 83 00-2023	EA	Carbon Dioxide Calibration (Sierra 628S-2)	817.86	
46 82 83 00-2024	EA	Helium Calibration (Sierra 628S-6)	817.86	
46 82 83 00-2025	EA	Nitrogen Option (Sierra 628S-10)	817.86	
46 82 83 00-2026	EA	Totalizer Pulse Output (Sierra 628S PULSE)	216.31	
46 82 83 00-2027	EA	Modbus Communications Protocol (Sierra 628S MB)	618.03	
46 82 83 00-2028	EA	Material Certificates (Sierra 628S MC)	216.31	
46 82 83 00-2029	EA	Certificate Of Conformance (Sierra 628S CC)	109.19	
46 82 83 00-2030	EA	Leak Test Certificate (Sierra 628S LT)	109.19	
46 82 83 00-2031	EA	Pressure Test Certificate (Sierra 628S PT)	216.31	
46 82 83 00-2032	EA	24 Volt DC Power Supply For 620S Only (Sierra 628S 100-T10F)	216.31	
46 82 83 00-2033	EA	1-Year Extended Warranty (Sierra 628S W1)	269.87	
46 82 83 00-2034	EA	2-Year Extended Warranty (Sierra 628S W2)	432.62	
46 82 83 00-2035		**QuadraTherm® 640i** *(46 82 83 00-1508)*		
46 82 83 00-2036	EA	High Pressure Hot-Tap With Removable Retractor Kit (Sierra 640i L( )M9)	5,205.04	
46 82 83 00-2037	EA	3/4" Conax Fitting, 1" Male NPT, Assembly With Sensor Shield (Sierra 640i S1)	1,260.49	12.92
46 82 83 00-2038	EA	1" Female NPT Weldolet, Assembly (Sierra 640i S2)	273.50	12.92
46 82 83 00-2039	EA	Sensor Shield, Captured Conax Fitting Plus Weldolet, Assembly (Sierra 640i S1 -S2)	1,532.56	12.92
46 82 83 00-2040	EA	Low Pressure Hot Tap Assembly With Sensor Shield , Ball Valve And Packing Gland With Conax Fitting Plus Weldolet (Sierra 640i S1 -S8)	2,589.61	
46 82 83 00-2041	EA	High Pressure Hot-Tap With Removable Retractor Kit Assembly (Sierra 640i S9)	7,705.29	
46 82 83 00-2042	EA	Ammonia Calibration (Sierra 640i-14)	391.22	
46 82 83 00-2043	EA	qMix License (Sierra 640i qMix)	695.06	
46 82 83 00-2044	Day	Commissioning (Sierra 640i Commissioning)	3,090.15	
46 82 83 00-2045	EA	QuadraTherm® Thermal Insertion Mass Flow Meter (Sierra 640i VT) Note: All 316L stainless steel construction; linear 4-20 mA output signals for mass flow velocity and temperature, temperatures -40 to 392 Degree F; pressure to 500 PSIG; standard accuracy (air) +/- 0.75% of reading above 50% of full scale flow and +/- 0.75% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/- 10.0% or 100-240 Volt AC input power with a 3/4" diameter 316 Stainless Steel Insertion sensor probe; configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: 24 Volt DC +/- 10.0% Input Power - Code P2; Two Linear 4-20mA Outputs For Mass Low Velocity And Temperature - Code V4; No Readout Display - Code NR; Air (+/- 0.75% Of Reading) Dial-A-Gas - Code 0.	6,438.27	119.65
46 82 83 00-2046	EA	Pressure Output Version QuadraTherm® Thermal Insertion Mass Flow Meter (Sierra 640i VTP) Note: All 316L stainless steel construction; linear 4-20 mA output signals for mass flow velocity and temperature, temperatures -40 Degree F to 392 Degree F; pressure to 500 PSIG; standard accuracy (air) +/- 0.75% of reading above 50% of full scale flow and +/- 0.75% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/- 10.0% or 100-240 Volt AC input power with a 3/4" diameter 316 Stainless Steel Insertion sensor probe; configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: 24 Volt DC +/- 10.0% Input Power - Code P2; Two Linear 4-20mA Outputs For Mass Low Velocity And Temperature - Code V4; Three Linear 4-20mA Outputs For Mass Flow Velocity, Temperature And Pressure - Code V6; No Readout Display - Code NR; 30 PSIA - Code MP1; 100 PSIA - Code MP2; 300 PSIA - Code MP3; 500 PSIA - Code MP4; Air (+/- 0.75% Of Reading) Dial-A-Gas - Code 0.	7,375.61	119.65
46 82 83 00-2047	EA	cFMus Approval (Sierra 640i 2) Note: Process Temperature Range: -40 to 392 Degree F. Class I, Division 1, Groups B, C, and D T3C Ta = -40 to 140 Degree F. Type 4x. Maximum probe length is 48". VTP E4 not cFMus approved.	135.04	
46 82 83 00-2048	EA	ATEX And IECEx Approval (Sierra 640i 3) Note: II 2 G Ex d IIC T3 Gb. II 2 D Ex tb IIIC T200 Degree C Db. Ta = -4 to 140 Degree F. Process Temperature Range: -40 to 392 Degree F. Maximum probe length is 48". VTP E4 not ATEX/IECEx approved.	135.04	
46 82 83 00-2049	EA	6" Probe Length (Sierra 640i L06)	208.52	
46 82 83 00-2050	EA	8-1/2" Probe Length (Sierra 640i L09)	299.87	
46 82 83 00-2051	EA	12" Probe Length (Sierra 640i L13)	432.93	
46 82 83 00-2052	EA	17-1/2" Probe Length (Sierra 640i L18)	478.60	
46 82 83 00-2053	EA	21-1/2" Probe Length (Sierra 640i L24)	575.91	
46 82 83 00-2054	EA	36" Probe Length (Sierra 640i L36)	768.54	
46 82 83 00-2055	EA	48" Probe Length (Sierra 640i L48)	923.44	
46 82 83 00-2056	EA	Special Probe Insertion Base Cost (Sierra 640i L x) Note: Specify length in parentheses; 72" maximum. 48" maximum for FM. Use modifier for Special Probe Insertion Length Cost in addition to this task.	919.47	
46 82 83 00-2057	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640i)	19.86	
46 82 83 00-2058	EA	High Pressure Hot-Tap Retractor Kit Base Cost (Sierra 640i M9) Note: Includes L21" probe assembly, retractor assembly with hand crank, packing gland probe seal with a 2" ANSI Class 150 process connection. Not available with ATEX, cFMus or EN enclosure. Insertion depth up to 21". Use modifier for High-Pressure Hot-Tap Retractor Kit Probe Length Cost in addition to this task.	4,975.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2059	IN	For High Pressure Hot-Tap Retractor Kit Probe Length Cost, Add Per Inch (Sierra 640i)	20.60	
46 82 83 00-2060	EA	Probe With 1", ANSI Class 150 Flange (Sierra 640i L( )M5) Note: Includes M5 option diagram with ADS.	1,449.71	
46 82 83 00-2061	EA	3/4" Compression Fitting With 1" Male NPT Mounting Accessory (Sierra 640i M1)	736.21	12.92
46 82 83 00-2062	EA	1" Thread-O-Let With Female NPT Mounting Accessory (Sierra 640i M2)	599.18	12.92
46 82 83 00-2063	EA	3/4" Probe Feed Through By 1" Male NPT Compression Fitting With Thread-O-Let Mounting Accessory (Sierra 640i M1-M2) Note: Threads into 1" Female NPT, which is welded to the pipe.	1,318.08	12.92
46 82 83 00-2064	EA	Flat Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640i M3)	1,318.08	12.92
46 82 83 00-2065	EA	Curved Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640i M4) Note: Specify duct O.D. in parentheses.	1,760.93	12.92
46 82 83 00-2066	EA	Low Pressure Hot Tap Mounting Accessory (Sierra 640i M8) Note: Includes ball valve and packing gland, maximum 150 PSIG, specify duct O.D. in parenthesis.	2,569.75	
46 82 83 00-2067	EA	Quick Removal Hot Tap Mounting Accessory (Sierra 640i M15) Note: Includes ball valve and compression fitting rated for 40 PSIG.	2,287.76	
46 82 83 00-2068	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 640i E2)	1,334.52	
46 82 83 00-2069	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 640i E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	2,482.87	59.82
46 82 83 00-2070	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640i)	22.66	
46 82 83 00-2071	EA	100–240 Volt AC Input Power (Sierra 640i P3)	438.88	
46 82 83 00-2072	EA	Digital Display (Sierra 640i DD) Note: UltraBright LCD indicates mass flow velocity, T, P, alarms and totalized mass flow in engineering units; 6-push button user interface makes selection easy: Dial-A-Gas, Dial-A-Pipe, change units, change language, set alarms.	395.19	
46 82 83 00-2073	EA	Argon Calibration (Sierra 640i 1A)	1,008.84	
46 82 83 00-2074	EA	Carbon Dioxide Calibration (Sierra 640i 2A)	1,008.84	
46 82 83 00-2075	EA	Digester Gas Calibration (Sierra 640i 4A)	1,175.65	
46 82 83 00-2076	EA	Helium Calibration (Sierra 640i 6A)	1,008.84	
46 82 83 00-2077	EA	Hydrogen Calibration (Sierra 640i 7A)	3,167.51	
46 82 83 00-2078	EA	Methane Calibration (Sierra 640i 8A)	1,175.65	
46 82 83 00-2079	EA	Nitrogen Calibration (Sierra 640i 10A)	1,008.84	
46 82 83 00-2080	EA	Propane Calibration (Sierra 640i 12A)	1,175.65	
46 82 83 00-2081	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 640i DP1) Note: Available in E2/E4-P2 NAA only.	762.59	
46 82 83 00-2082	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 640i DP2) Note: Available in E2/E4-P2 configuration only.	762.59	
46 82 83 00-2083	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 640i FF) Note: Available E2/ E4–P2 configuration only. FM approval available.	762.59	
46 82 83 00-2084	EA	Modbus RTU Full Device Description Digital Communication Option (Sierra 640i MB)	762.59	
46 82 83 00-2085	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 640i HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	762.59	
46 82 83 00-2086	EA	Material Certificate Option (Sierra 640i MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2087	EA	Certificate Of Conformance Option (Sierra 640i CC)	133.06	
46 82 83 00-2088	EA	NACE Certificate For Sour Gas Option (Sierra 640i NACE)	133.06	
46 82 83 00-2089	EA	Leak Test Certificate Option (Sierra 640i LT)	133.06	
46 82 83 00-2090	EA	Pressure Test Certificate Option (Sierra 640i PT)	266.11	
46 82 83 00-2091	EA	Two Point Pressure Sensor Calibration Certificate Option (Sierra 640i PC)	266.11	
46 82 83 00-2092	EA	Two Point Temperature Sensor Calibration Certificate Option (Sierra 640i TC)	266.11	
46 82 83 00-2093	EA	Cleaned For O2 Service (Includes Certification) Option (Sierra 640i O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	1,040.61	
46 82 83 00-2094	EA	Additional Instruction Manual (Sierra 640i / 780i-IM)	43.69	
46 82 83 00-2095	EA	1-Year Extended Warranty (Sierra 640i W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2096	EA	2-Year Extended Warranty (Sierra 640i W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	

46 82 83 00-2097 SteelMass® 640S *(46 82 83 00-1508)*

46 82 83 00-2098	EA	Ammonia Calibration (Sierra 640S-14)	317.26	
46 82 83 00-2099	EA	Steel Mass Industrial Insertion Mass Flow Meter (Sierra 640S) Note: 18-30 Volt DC or 100-240 Volt AC input power with 3/4" diameter 316 Stainless Steel probe. Includes "Smart Electronics" with PC configuration software. Calibration temperatures up to 350 Degree F and pressure to 500 PSIG. HT option to 750 Degree F available (contact factory). CE, FM, CSA, ATEX approvals. Linear 0-5 Volt DC, 0-10 Volt DC or 4-20 mA output signals. Lifetime warranty on Fast Response (FR) sensor. No cost options include: Non-Agency Approved Meter - Code NAA; 640S With FM Approval. Requires E2 Or E4 Enclosure. Maximum Probe Length Is 72" - Code FM; 640S With CSA Approval. Requires E2 Or E4 Enclosure. Maximum Probe Length Is 72" - Code CSA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18–30 Volt DC Input Power - Code P2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Air Calibration - Code 0.	6,164.46	119.65
46 82 83 00-2100	EA	640S With II 2 GD Ex d IIC T2...T6 ATEX Approval (Sierra 640S ATEX) Note: Requires E2 or E3 enclosure. E3 required for probe lengths >13". Maximum probe length is 36". ATEX units have circuit energy limitations that limit maximum flows to approximately 50% of non-ATEX units. Consult gas tables for actual values.	648.93	
46 82 83 00-2101	EA	6" Probe Length (Sierra 640S L06)	151.42	
46 82 83 00-2102	EA	9" Probe Length (Sierra 640S L09)	216.31	
46 82 83 00-2103	EA	13" Probe Length (Sierra 640S L13)	313.65	
46 82 83 00-2104	EA	18" Probe Length (Sierra 640S L18)	346.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2105	EA	24 Probe Length (Sierra 640S L24)	389.36	
46 82 83 00-2106	EA	36" Probe Length (Sierra 640S L36)	519.15	
46 82 83 00-2107	EA	Special Probe Insertion Base Cost (Sierra 640S L) Note: Specify length in parentheses. Maximum probe length 72". Minimum length 6". Use modifier for Special Probe Insertion Length Cost in addition to this task.	410.99	
46 82 83 00-2108	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640S)	20.60	
46 82 83 00-2109	EA	1", Class 150 Flange Special Probe Insertion Base Cost (Sierra 640S L( )M5) Note: Specify length in parentheses. Includes M5 option Diagram With ADS. Use modifier for Special Probe Insertion Length Cost in addition to this task.	1,297.86	
46 82 83 00-2110	IN	For Special Probe Insertion Length Cost, Add Per Inch (Sierra 640S)	20.60	
46 82 83 00-2111	EA	High Pressure Hot-Tap Retractor Kit (Sierra 640S L( )M9) Note: Includes L21" probe assembly, retractor assembly with hand crank, packing gland probe seal with a 2" ANSI Class 150 process connection. Not available with ATEX, cFMus or EN enclosure. Insertion depth up to 21".	3,296.16	
46 82 83 00-2112	EA	3/4" Compression Fitting With 1" Male NPT Mounting Accessory (Sierra 640S M1)	473.55	12.92
46 82 83 00-2113	EA	1" Thread-O-Let With Female NPT Mounting Accessory (Sierra 640S M2)	387.03	12.92
46 82 83 00-2114	EA	3/4" Probe Feed Through By 1" Male NPT Compression Fitting With Thread-O-Let Mounting Accessory (Sierra 640S M1-M2) Note: Threads into 1" Female NPT, which is welded to the pipe.	841.28	12.92
46 82 83 00-2115	EA	Flat Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640S M3)	841.28	12.92
46 82 83 00-2116	EA	Curved Duct Bracket, 3/4" Tube Compression Fitting Mounting Accessory (Sierra 640S M4) Note: Specify duct O.D. in parentheses.	1,122.48	12.92
46 82 83 00-2117	EA	Low Pressure Hot Tap Mounting Accessory (Sierra 640S M8) Note: Includes ball valve and packing gland, maximum 150 PSIG, specify duct O.D. in parenthesis.	1,627.48	
46 82 83 00-2118	EA	Quick Removal Hot Tap Mounting Accessory (Sierra 640S M15) Note: Includes ball valve and compression fitting rated for 40 PSIG.	1,449.28	
46 82 83 00-2119	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 640S E2)	699.34	
46 82 83 00-2120	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) (Sierra 640S E3) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes strain relief on end of probe and mounting bracket.	1,417.51	59.82
46 82 83 00-2121	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640S)	7.21	
46 82 83 00-2122	EA	Remote Hazardous-Area Location Enclosure (IP66) With Junction Box (Sierra 640S E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	1,622.33	
46 82 83 00-2123	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 640S)	7.21	
46 82 83 00-2124	EA	Remote NEMA 4X (IP65) Enclosure With Junction Box (Sierra 640S EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,023.15	
46 82 83 00-2125	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 640S)	7.21	
46 82 83 00-2126	EA	100–240 Volt AC Input Power (Sierra 640S P3) Note: Not available with EN enclosures.	324.47	
46 82 83 00-2127	EA	0-10 Vol tDC, Linear Output (Sierra 640S V3)	129.79	
46 82 83 00-2128	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 640S DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	216.31	
46 82 83 00-2129	EA	Argon Calibration (Sierra 640S 1)	817.65	
46 82 83 00-2130	EA	Carbon Dioxide Calibration (Sierra 640S 2)	817.65	
46 82 83 00-2131	EA	Chlorine Correlation Calibration (Sierra 640S 3)	317.98	
46 82 83 00-2132	EA	Digester Gas Calibration (Sierra 640S 4)	953.93	
46 82 83 00-2133	EA	Digester Gas Correlation Calibration (Sierra 640S 5)	317.98	
46 82 83 00-2134	EA	Helium Calibration (Sierra 640S 6)	817.65	
46 82 83 00-2135	EA	Hydrogen Calibration (Sierra 640S 7)	2,566.53	
46 82 83 00-2136	EA	Methane Correlation Calibration (Sierra 640S 8)	953.93	
46 82 83 00-2137	EA	Methane Calibration (Sierra 640S 9)	317.98	
46 82 83 00-2138	EA	Nitrogen Calibration (Sierra 640S 10)	817.65	
46 82 83 00-2139	EA	Oxygen Correlation Calibration (Sierra 640S 11)	317.98	
46 82 83 00-2140	EA	Propane Calibration (Sierra 640S 12)	953.93	
46 82 83 00-2141	EA	Propane Correlation Calibration (Sierra 640S 13)	317.98	
46 82 83 00-2142	EA	Totalizer Pulse Output Digital Communication (Sierra 640S Pulse) Note: Only available with E2/E3/E4 enclosures with DD. Available on all EN2 enclosures.	216.31	
46 82 83 00-2143	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 640S DP1) Note: Available in E2/E4-P2 NAA only.	618.03	
46 82 83 00-2144	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 640S DP2) Note: Available in E2/E4-P2 configuration only.	618.03	
46 82 83 00-2145	EA	Modbus RTU With Full Device Description (P2 only); ATEX And FM Approvals Available Digital Communication Option (Sierra 640S MB)	618.03	
46 82 83 00-2146	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 640S FF) Note: Available E2/ E4–P2 configuration only. FM approval available.	618.03	
46 82 83 00-2147	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 640S HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	618.03	
46 82 83 00-2148	EA	Non-Return Valve, Tube And Purge Nozzle Option For Cleaning Probe Tips (Sierra 640S PURGE) Note: 30-120 PSIG external compressed air source required. Uses 1/4" compression fitting on purge tube process connection. Available with E2 only. Not available with HT option (contact factory in this case for external purge solution). Excludes on/off valve. NAA only. Only a 24 Volt DC power input is available when ordering an internal purge option.	1,514.17	
46 82 83 00-2149	EA	High Temperature Option (Sierra 640S HT) Note: HT option to 750 Degree F. Requires remote (E4 or EN4). Contact factory for probe length (limited lengths available). Overall accuracy of HT may be de-rated due to temperature and velocity conditions.	2,595.73	
46 82 83 00-2150	EA	Material Certificate Option (Sierra 640S MC) Note: US Mill certifications on all wetted parts.	216.31	
46 82 83 00-2151	EA	Certificate Of Conformance Option (Sierra 640S CC)	108.16	
46 82 83 00-2152	EA	NACE Certificate For Sour Gas Option (Sierra 640S NACE)	108.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2153	EA	Leak Test Certificate Option (Sierra 640S LT)	108.16	
46 82 83 00-2154	EA	Pressure Test Certificate Option (Sierra 640S PT)	216.31	
46 82 83 00-2155	EA	Cleaned For O2 Service (Includes Certification) Option (Sierra 640S O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	843.61	
46 82 83 00-2156	EA	Additional Instruction Manual (Sierra 640S-IM)	45.32	
46 82 83 00-2157	EA	1-Year Extended Warranty (Sierra 640S W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	270.39	
46 82 83 00-2158	EA	2-Year Extended Warranty (Sierra 640S W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	432.62	
46 82 83 00-2159		QuadraTherm® 780i *(46 82 83 00-1508)*		
46 82 83 00-2160	EA	DN50, PN16, DIN Flange Flow Body (Sierra 780i FD6)	1,648.59	57.43
46 82 83 00-2161	EA	DN80, PN16, DIN Flange Flow Body (Sierra 780i FD7)	2,929.55	67.00
46 82 83 00-2162	EA	DN100, PN16, DIN Flange Flow Body (Sierra 780i FD8)	5,233.67	100.76
46 82 83 00-2163	EA	DN150, PN16, DIN Flange Flow Body (Sierra 780i FD9)	9,407.75	125.63
46 82 83 00-2164	EA	DN200, PN16, DIN Flange Flow Body (Sierra 780i FD10)	20,644.25	159.53
46 82 83 00-2165	EA	DN25, PN40, DIN Flange Flow Body (Sierra 780i GD4)	1,322.40	29.92
46 82 83 00-2166	EA	DN 40, PN40, DIN Flange Flow Body (Sierra 780i GD5)	1,678.36	51.45
46 82 83 00-2167	EA	DN50, PN40, DIN Flange Flow Body (Sierra 780i GD6)	2,121.24	57.43
46 82 83 00-2168	EA	DN80, PN40, DIN Flange Flow Body (Sierra 780i GD7)	3,632.56	67.00
46 82 83 00-2169	EA	DN100, PN40, DIN Flange Flow Body (Sierra 780i GD8)	5,779.80	100.76
46 82 83 00-2170	EA	DN150, PN40, DIN Flange Flow Body (Sierra 780i GD9)	10,442.41	125.63
46 82 83 00-2171	EA	DN200, PN40, DIN Flange Flow Body (Sierra 780i GD10)	21,323.43	159.53
46 82 83 00-2172	EA	Inline Thermal Mass Flow Meter With Flow Conditioning (Sierra 780i VT) Note: All 316L stainless steel construction; linear 4-20 mA output signals for Mass Flow Velocity and Temperature, calibration temperatures -40 to 392 Degree F and pressure to 500 PSIG; standard accuracy +/- 0.5% of reading above 50% of full scale flow and +/- 0.5% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/-10% or 100-240 Volt AC input power, configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: Non-Agency Approved - Code 1; 1" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N4; 1-1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N5; 24 Volt DC, +/- 10.0% Input Power - Code P2; No Readout Display - Code NR; 30 PSIA, VTP Only - Code MP1; 100 PSIA, VTP Only - Code MP2; 300 PSIA, VTP Only - Code MP3; 500 PSIA, VTP Only - Code MP4; Air Calibration - Code 0.	11,186.55	119.65
46 82 83 00-2173	EA	Inline Thermal Mass Flow Meter With Flow Conditioning (Sierra 780i VTP) Note: All 316L stainless steel construction; linear 4-20 mA output signals for Mass Flow Velocity and Temperature, calibration temperatures -40 to 392 Degree F and pressure to 500 PSIG; standard accuracy +/- 0.5% of reading above 50% of full scale flow and +/- 0.5% of reading plus 0.5% of full scale below 50% of full scale flow; includes qTherm™ Electronics with PC configuration software; 24 Volt DC +/-10% or 100-240 Volt AC input power, configurable alarm and pulse outputs; CE, cFMus, ATEX, IECEx approved. No cost options include: Non-Agency Approved - Code 1; 1" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N4; 1-1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning - Code N5; 24 Volt DC, +/- 10.0% Input Power - Code P2; No Readout Display - Code NR; 30 PSIA, VTP Only - Code MP1; 100 PSIA, VTP Only - Code MP2; 300 PSIA, VTP Only - Code MP3; 500 PSIA, VTP Only - Code MP4; Air Calibration - Code 0. Add a Pressure output To the 640i VT version; three 4-20 mA linear outputs for mass flow velocity, Temperature, And Pressure; includes Pressure Sensor To 500 psig (34.5 barg).	12,388.02	119.65
46 82 83 00-2174	EA	cFMus Approvals (Sierra 780i 2) Note: Process temperature range: -40 To 392 Degree F. Class I, Division 1, Groups B, C, and D. T3C Ta = -40 To 140 Degree F. Type 4x. Maximum probe length is 48". VTP E4 not cFMus approved.	135.04	
46 82 83 00-2175	EA	ATEX And IECEx Approvals (Sierra 780i 3) Note: II 2 G Ex d IIC T3 Gb. II 2 D Ex tb IIIC T200 Degree C Db. Ta = -4 To 140 Degree F. Process temperature range: -40 To 392 Degree F. Maximum probe length is 48". VTP E4 not ATEX/IECEx approved.	133.06	
46 82 83 00-2176	EA	1/2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N2)	643.73	57.43
46 82 83 00-2177	EA	3/4" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N3)	655.70	67.00
46 82 83 00-2178	EA	2" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N6)	533.04	159.53
46 82 83 00-2179	EA	3" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N7)	826.51	203.65
46 82 83 00-2180	EA	4" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N8)	1,714.16	341.84
46 82 83 00-2181	EA	6" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N9)	3,294.77	432.27
46 82 83 00-2182	EA	8" NPT Male 316 Stainless Steel Inline Flow Body With Flow Conditioning (Sierra 780i N10)	8,132.80	546.95
46 82 83 00-2183	EA	1/2" ANSI Class 150 Flange 316 Stainless Steel, 1-1/2" NPT Male 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F2)	673.52	57.43
46 82 83 00-2184	EA	3/4" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F3)	685.49	67.00
46 82 83 00-2185	EA	1" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F4)	727.67	100.76
46 82 83 00-2186	EA	1-1/2" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F5)	759.16	125.63
46 82 83 00-2187	EA	2" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F6)	1,514.08	159.53
46 82 83 00-2188	EA	3" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F7)	2,625.73	203.65
46 82 83 00-2189	EA	4" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F8)	4,683.08	341.84
46 82 83 00-2190	EA	6" ANSI Class 150 Flange 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F9)	8,247.61	432.27
46 82 83 00-2191	EA	8" ANSI Class 150 Flange, 316 Stainless Steel Flow Body With Flow Conditioning (Sierra 780i F10)	17,720.73	546.95
46 82 83 00-2192	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 780i E2)	933.87	59.82
46 82 83 00-2193	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 780i E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	1,902.99	59.82
46 82 83 00-2194	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780i)	21.84	
46 82 83 00-2195	EA	100–240 Volt AC Input Power (Sierra 780i P3)	401.15	
46 82 83 00-2196	EA	Digital Display (Sierra 780i DD) Note: UltraBright LCD indicates mass flow velocity, T, P, alarms and totalized mass flow in engineering units; 6-push button user interface makes selection easy: Dial-A-Gas, Dial-A-Pipe, change units, change language, set alarms.	333.63	
46 82 83 00-2197	EA	Argon Calibration (Sierra 780i 1A)	1,008.84	
46 82 83 00-2198	EA	Carbon Dioxide Calibration (Sierra 780i 2A)	1,008.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2199	EA	Digester Gas Calibration (Sierra 780i 4A)	1,177.64	
46 82 83 00-2200	EA	Helium Calibration (Sierra 780i 6A)	1,008.84	
46 82 83 00-2201	EA	Hydrogen Calibration (Sierra 780i 7A)	3,167.51	
46 82 83 00-2202	EA	Methane Calibration (Sierra 780i 8A)	1,177.64	
46 82 83 00-2203	EA	Nitrogen Calibration (Sierra 780i 10A)	1,008.84	
46 82 83 00-2204	EA	Propane Calibration (Sierra 780i 12A)	1,177.64	
46 82 83 00-2205	EA	Ammonia Calibration (Sierra 780i-14)	391.22	
46 82 83 00-2206	EA	qMix License (Sierra 780i qMix)	893.66	
46 82 83 00-2207	Day	Commissioning (Sierra 780i Commissioning)	2,978.85	
46 82 83 00-2208	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 780i DP1)	762.59	
		Note: Available in E2/E4-P2 NAA only.		
46 82 83 00-2209	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 780i DP2)	762.59	
		Note: Available in E2/E4-P2 configuration only.		
46 82 83 00-2210	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 780i FF)	762.59	
		Note: Available E2/ E4–P2 configuration only; FM approval available.		
46 82 83 00-2211	EA	Modbus RTU Full Device Description Digital Communication Option (Sierra 780i MB)	762.59	
46 82 83 00-2212	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication Option (Sierra 780i HART)	762.59	
		Note: Available E2-P2 /E4-P2) configuration only. FM approval available.		
46 82 83 00-2213	EA	Material Certificate Option (Sierra 780i MC)	266.11	
		Note: US Mill certifications on all wetted parts.		
46 82 83 00-2214	EA	Certificate Of Conformance Option (Sierra 780i CC)	133.06	
46 82 83 00-2215	EA	NACE Certificate For Sour Gas Option (Sierra 780i NACE)	133.06	
46 82 83 00-2216	EA	Leak Test Certificate Option (Sierra 780i LT)	133.06	
46 82 83 00-2217	EA	Pressure Test Certificate Option (Sierra 780i PT)	266.11	
46 82 83 00-2218	EA	Two Point Pressure Sensor Calibration Certificate Option (Sierra 780i PC)	266.11	
46 82 83 00-2219	EA	Two Point Temperature Sensor Calibration Certificate Option (Sierra 780i TC)	266.11	
46 82 83 00-2220	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra 780i O2C)	1,040.61	
		Note: Inspected with ultra-violet light, double-bagged prior to shipment.		
46 82 83 00-2221	EA	Additional Instruction Manual (Sierra 640i / 780i-IM)	87.38	
46 82 83 00-2222	EA	1-Year Extended Warranty (Sierra 780i W1)	260.15	
		Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.		
46 82 83 00-2223	EA	2-Year Extended Warranty (Sierra 780i W2)	417.04	
		Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.		
46 82 83 00-2224		FlatTrak™ 780S and 780S Ultra High Purity Series *(46 82 83 00-1508)*		
		Note: All 316 stainless steel construction. UHP 5-10 RA available. 18-30 Volt DC or 100-240 Volt AC input power with 3/4" diameter 316 Stainless Steel probe. Includes "Smart Electronics" with PC configuration software. Calibration temperatures up to 350 Degree F and pressure To 500 PSIG. CE, FM, CSA, ATEX approvals. Linear 0-5 Volt DC or 4-20 mA output signals. Lifetime warranty on non-UHP Fast Response (FR) Sensor. No cost options include: Non-Agency Approved Meter - Code NAA; FM Approval - Code FM; CSA Approval - Code CSA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18–30 Volt DC Input Power - Code P2; 0-5 Volt DC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Air Calibration - Code 0.		
46 82 83 00-2225	EA	1/4" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW1)	9,794.17	147.52
46 82 83 00-2226	EA	1/4" Outside Diameter Tube, UHP, Female VCR Fittings (Sierra 780S UHP-VCR1)	10,603.79	147.52
46 82 83 00-2227	EA	1/2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW2)	10,846.52	150.52
46 82 83 00-2228	EA	1/2" Outside Diameter Tube, UHP, Female VCR Fittings (Sierra 780S UHP-VCR2)	11,225.58	150.52
46 82 83 00-2229	EA	1" Outside Diameter, Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW4)	14,105.25	161.26
46 82 83 00-2230	EA	1" Outside Diameter Tube, UHP, Male VCR Fittings (Sierra 780S UHP-VCR4)	15,057.01	161.26
46 82 83 00-2231	EA	1-1/2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW5)	14,490.71	170.03
46 82 83 00-2232	EA	2" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW6)	16,647.89	193.27
46 82 83 00-2233	EA	3" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW7)	17,654.35	206.67
46 82 83 00-2234	EA	4" Outside Diameter Tube, UHP, Butt Weld Prep (Sierra 780S UHP-BW8)	18,771.52	266.90
46 82 83 00-2235	EA	DN50, PN16, DIN Flange Flow Body (Sierra 780S FD6)	9,474.09	57.43
46 82 83 00-2236	EA	DN80, PN16, DIN Flange Flow Body (Sierra 780S FD7)	9,710.61	67.00
46 82 83 00-2237	EA	DN100, PN16, DIN Flange Flow Body (Sierra 780S FD8)	10,902.32	100.76
46 82 83 00-2238	EA	DN150, PN16, DIN Flange Flow Body (Sierra 780S FD9)	13,727.31	125.63
46 82 83 00-2239	EA	DN200, PN16, DIN Flange Flow Body (Sierra 780S FD10)	18,721.77	159.53
46 82 83 00-2240	EA	DN25, PN40, DIN Flange Flow Body (Sierra 780S GD4)	9,017.21	29.92
46 82 83 00-2241	EA	DN40, PN40, DIN Flange Flow Body (Sierra 780S GD5)	9,115.83	51.45
46 82 83 00-2242	EA	DN50, PN40, DIN Flange Flow Body (Sierra 780S GD6)	9,939.67	57.43
46 82 83 00-2243	EA	DN80, PN40, DIN Flange Flow Body (Sierra 780S GD7)	10,429.58	67.00
46 82 83 00-2244	EA	DN100, PN40, DIN Flange Flow Body (Sierra 780S GD8)	11,573.92	100.76
46 82 83 00-2245	EA	DN150, PN40, DIN Flange Flow Body (Sierra 780S GD9)	14,977.79	125.63
46 82 83 00-2246	EA	DN200, PN40, DIN Flange Flow Body (Sierra 780S GD10)	20,118.52	159.53
46 82 83 00-2247	EA	Ammonia Calibration (Sierra 780S-14)	317.26	
46 82 83 00-2248	EA	Hard Copy Instruction Manual (Sierra 780S IM)	45.32	
46 82 83 00-2249	EA	780S With II 2 GD Ex d IIC T2...T6 ATEX Approval (Sierra ATEX)	648.93	
		Note: Requires E2 or E3 enclosure. ATEX units have circuit energy limitations that limit maximum flows to approximately 50% of non-ATEX units. Consult gas tables for details.		
46 82 83 00-2250	EA	1/4" NPT Female 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N1)	9,485.16	147.52
46 82 83 00-2251	EA	1/2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N2)	9,488.92	150.52
46 82 83 00-2252	EA	3/4" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N3)	9,502.34	161.26
46 82 83 00-2253	EA	1" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N4)	9,058.00	170.03
46 82 83 00-2254	EA	1-1/2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N5)	9,087.06	193.27
46 82 83 00-2255	EA	2" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N6)	9,365.44	206.67
46 82 83 00-2256	EA	3" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N7)	9,634.39	266.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2257	EA	4" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N8)	10,228.28	287.15
46 82 83 00-2258	EA	6" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N9)	12,356.31	310.17
46 82 83 00-2259	EA	8" NPT Male 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S N10)	16,194.05	336.37
46 82 83 00-2260	EA	1/2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F2)	9,544.77	177.08
46 82 83 00-2261	EA	3/4" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F3)	9,556.74	186.65
46 82 83 00-2262	EA	1" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F4)	9,598.92	220.40
46 82 83 00-2263	EA	1-1/2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F5)	9,630.41	245.27
46 82 83 00-2264	EA	2" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F6)	10,240.97	279.18
46 82 83 00-2265	EA	3" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F7)	11,134.59	323.30
46 82 83 00-2266	EA	4" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F8)	12,807.09	461.48
46 82 83 00-2267	EA	6" ANSI Class 150 Flange 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F9)	16,599.46	551.91
46 82 83 00-2268	EA	8" ANSI Class 150 Flange, 316 Stainless Steel FlatTrak™ In-line Mass Flow Meter With Flow Conditioner (Sierra 780S F10)	23,228.00	666.59
46 82 83 00-2269	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 780S E2)	818.99	59.82
46 82 83 00-2270	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) (Sierra 780S E3) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes strain relief on end of probe and mounting bracket.	1,417.51	59.82
46 82 83 00-2271	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780S)	7.21	
46 82 83 00-2272	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 780S E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	1,741.98	59.82
46 82 83 00-2273	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 780S)	7.21	
46 82 83 00-2274	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 780S EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,142.80	59.82
46 82 83 00-2275	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 780S)	7.21	
46 82 83 00-2276	EA	100–240 Volt AC Input Power (Sierra 780S P3) Note: Not available with EN enclosures.	324.47	
46 82 83 00-2277	EA	0-10 Volt DC, Linear Output (Sierra 780S V3)	129.79	
46 82 83 00-2278	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 780S DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	216.31	
46 82 83 00-2279	EA	Argon Calibration (Sierra 780S 1)	817.65	
46 82 83 00-2280	EA	Carbon Dioxide Calibration (Sierra 780S 2)	817.65	
46 82 83 00-2281	EA	Chlorine Correlation Calibration (Sierra 780S 3)	317.98	
46 82 83 00-2282	EA	Digester Gas Calibration (Sierra 780S 4)	953.93	
46 82 83 00-2283	EA	Digester Gas Correlation Calibration (Sierra 780S 5)	317.98	
46 82 83 00-2284	EA	Helium Calibration (Sierra 780S 6)	817.65	
46 82 83 00-2285	EA	Hydrogen Calibration (Sierra 780S 7)	2,566.53	
46 82 83 00-2286	EA	Methane Calibration (Sierra 780S 8)	953.93	
46 82 83 00-2287	EA	Methane Correlation Calibration (Sierra 780S 9)	317.98	
46 82 83 00-2288	EA	Nitrogen Calibration (Sierra 780S 10)	817.65	
46 82 83 00-2289	EA	Oxygen Correlation Calibration (Sierra 780S 11)	317.98	
46 82 83 00-2290	EA	Propane Calibration (Sierra 780S 12)	953.93	
46 82 83 00-2291	EA	Propane Correlation Calibration (Sierra 780S 13)	317.98	
46 82 83 00-2292	EA	Totalizer Pulse Output Digital Communication (Sierra 780S Pulse) Note: Only available with E2/E3/E4 enclosures with DD. Available on all EN2 enclosures.	216.31	
46 82 83 00-2293	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 780S DP1) Note: Available in E2/E4-P2 NAA only.	618.03	
46 82 83 00-2294	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 780S DP2) Note: Available in E2/E4-P2 configuration only.	618.03	
46 82 83 00-2295	EA	Modbus RTU With Full Device Description (P2 only); ATEX And FM Approvals Available Digital Communication Option (Sierra 780S MB)	618.03	
46 82 83 00-2296	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 780S FF) Note: Available E2/ E4–P2 configuration only. FM approval available.	618.03	
46 82 83 00-2297	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication (Sierra 780S HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	618.03	
46 82 83 00-2298	EA	Non-Return Valve, Tube And Purge Nozzle Option For Cleaning Probe Tips (Sierra 780S PURGE) Note: 30-120 PSIG external compressed air source required. Uses 1/4" compression fitting on purge tube process connection. Available with E2 only. Not available with HT option (contact factory in this case for external purge solution). Excludes on/off valve. NAA only. For 780S only (not available for UHP models).	1,514.17	
46 82 83 00-2299	EA	Material Certificate Option (Sierra 780S MC) Note: US Mill certifications on all wetted parts.	216.31	
46 82 83 00-2300	EA	Certificate Of Conformance Certificate Option (Sierra 780S CC)	108.16	
46 82 83 00-2301	EA	NACE Certificate For Sour Gas Option (Sierra 780S NACE)	108.16	
46 82 83 00-2302	EA	Leak Test Certificate Option (Sierra 780S LT)	108.16	
46 82 83 00-2303	EA	Pressure Test Certificate Option (Sierra 780S PT)	216.31	
46 82 83 00-2304	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra 780S O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	843.61	
46 82 83 00-2305	EA	Additional Instruction Manual (Sierra 780S-IM)	87.38	
46 82 83 00-2306	EA	1-Year Extended Warranty (Sierra 780S W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	270.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2307	EA	2-Year Extended Warranty (Sierra 780S W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	432.62	
46 82 83 00-2308		**FlowTrak™ Flow Conditioners** *(46 82 83 00-1508)*		
46 82 83 00-2309	EA	1" FlowTrak™ Flow Conditioner (Sierra Flo-1)	1,994.67	100.76
46 82 83 00-2310	EA	1-1/2" FlowTrak™ Flow Conditioner (Sierra Flo-1.5)	2,051.98	125.63
46 82 83 00-2311	EA	2" FlowTrak™ Flow Conditioner (Sierra Flo-2)	2,147.58	159.53
46 82 83 00-2312	EA	2-1/2" FlowTrak™ Flow Conditioner (Sierra Flo-2.5)	2,214.88	181.58
46 82 83 00-2313	EA	3" FlowTrak™ Flow Conditioner (Sierra Flo-3)	2,270.26	203.65
46 82 83 00-2314	EA	4" FlowTrak™ Flow Conditioner (Sierra Flo-4)	2,643.56	341.84
46 82 83 00-2315	EA	5" FlowTrak™ Flow Conditioner (Sierra Flo-5)	3,019.82	387.05
46 82 83 00-2316	EA	6" FlowTrak™ Flow Conditioner (Sierra Flo-6)	3,423.86	432.27
46 82 83 00-2317	EA	8" FlowTrak™ Flow Conditioner (Sierra Flo-8)	3,912.76	546.95
46 82 83 00-2318	EA	10" FlowTrak™ Flow Conditioner (Sierra Flo-10)	4,388.31	670.01
46 82 83 00-2319	EA	12 " FlowTrak™ Flow Conditioner (Sierra Flo-12)	4,912.75	813.12
46 82 83 00-2320	EA	14" FlowTrak™ Flow Conditioner (Sierra Flo-14)	5,440.32	957.16
46 82 83 00-2321	EA	16" FlowTrak™ Flow Conditioner (Sierra Flo-16)	5,907.51	1,052.88
46 82 83 00-2322	EA	18" FlowTrak™ Flow Conditioner (Sierra Flo-18)	6,396.62	1,167.74
46 82 83 00-2323	EA	20" FlowTrak™ Flow Conditioner (Sierra Flo-20)	6,929.60	1,316.11
46 82 83 00-2324	EA	22" FlowTrak™ Flow Conditioner (Sierra Flo-22)	7,464.08	1,465.66
46 82 83 00-2325	EA	24" FlowTrak™ Flow Conditioner (Sierra Flo-24)	7,998.56	1,615.22
46 82 83 00-2326	EA	30" FlowTrak™ Flow Conditioner (Sierra Flo-30)	11,511.88	2,632.20
46 82 83 00-2327	EA	38" FlowTrak™ Flow Conditioner (Sierra Flo-38)	14,543.15	3,948.31
46 82 83 00-2328	EA	Material Certificate (Sierra Flo MC) Note: US Mill certifications on all wetted parts.	266.11	
46 82 83 00-2329	EA	Certificate Of Conformance Certificate Option (Sierra Flo CC)	133.06	
46 82 83 00-2330	EA	Up To 4" Inline Meter, Cleaned For O2 Service (Includes Certification) Option (Sierra Flo O2C) Note: Inspected with ultra-violet light, double-bagged prior to shipment.	1,040.61	
46 82 83 00-2331	EA	1-Year Extended Warranty (Sierra Flo W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2332	EA	2-Year Extended Warranty (Sierra Flo W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	
46 82 83 00-2333		**ChlorineTrak™ 760 Series** *(46 82 83 00-1508)* Note: Specially designed flow body manufactured from Kynar® polyvinylidene fluoride resin. 18-30 Volt DC or 100-240 Volt AC input power with 3/4" diameter 6" long Hastelloy® probe. Includes "Smart Electronics" with PC configuration software. Application limits: 15 to 90 Degree F and 120 PSIG. CE approvals. Linear 0-5 Volt DC or 4-20 mA output signals. Modbus optional. No cost options include: Non-Agency Approved Meter - Code NAA; NEMA 4X (IP65) Enclosure. Mounted Directly On Probe - Code EN2; 18–30 Volt DC Input Power - Code P2; 0-5 Vol tDC, Linear Output - Code V1; 4-20 mA, Linear Output - Code V4; No Readout Display - Code NR; Chlorine Correlation Calibration - Code 3.		
46 82 83 00-2334	EA	1" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K4) Note: Maximum flow 20 SCFM.	15,091.66	220.40
46 82 83 00-2335	EA	1-1/2" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K5) Note: Maximum flow 45 SCFM.	15,256.21	245.27
46 82 83 00-2336	EA	2" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K6) Note: Maximum flow 75 SCFM.	15,415.35	279.18
46 82 83 00-2337	EA	3" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K7) Note: Maximum flow 175 SCFM.	15,970.96	323.30
46 82 83 00-2338	EA	4" ANSI Class 150 Flange-Kynar Flow Body With 6" Hastelloy Probe Chlorine-Trak™ In-line Mass Flow Meter (Sierra 760S K8) Note: Maximum flow 300 SCFM.	16,810.96	461.48
46 82 83 00-2339	EA	Hazardous Area Location Electronics Enclosure, NEMA 4X Mounted Directly On Probe (Sierra 760S E2)	1,882.79	551.91
46 82 83 00-2340	EA	Remote Hazardous-Area Location Electronics Enclosure (IP66) With Junction Box (Sierra 760S E4) Note: Specify cable length in parenthesis. Maximum 200' from flow body; includes (IP66) junction box mounted on probe and mounting bracket (304SS). VTP E4 not cFMus, ATEX/IECEx, or CE approved.	2,121.44	59.82
46 82 83 00-2341	LF	>10' Cable Length For Remote Hazardous-Area Location Electronics Enclosure (Sierra 760S)	10.92	
46 82 83 00-2342	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 760S EN4) Note: Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.	1,382.68	59.82
46 82 83 00-2343	LF	>10' Cable Length For Remote NEMA 4X (IP65) Electronics Enclosure (Sierra 760S)	10.92	
46 82 83 00-2344	EA	100–240 Volt AC Input Power (Sierra 760S P3) Note: Not available with EN enclosures.	401.15	
46 82 83 00-2345	EA	0-10 Volt DC, Linear Output (Sierra 760S V3)	160.86	
46 82 83 00-2346	EA	2 x 12 Digit, Backlit, Digital Display (Sierra 760S DD) Note: LCD display indicates flow rate and totalized mass in engineering units. Simplifies configuration settings and provides system status information.	266.11	
46 82 83 00-2347	EA	Totalizer Pulse Output Digital Communication Option (Sierra 760S Pulse) Note: Only available with E2/E4 enclosures with DD. Available on all EN2 enclosures.	266.11	
46 82 83 00-2348	EA	Profibus DP Using A M12 Connector With Full Device Description Digital Communication Option (Sierra 760S DP1) Note: Available in E2/E4-P2 NAA only.	762.59	
46 82 83 00-2349	EA	Profibus DP Using A 2-Wire Terminal Block Connection With Full Device Description Digital Communication Option (Sierra 760S DP2) Note: Available in E2/E4-P2 configuration only.	762.59	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2350	EA	Modbus RTU With Full Device Description (P2 Only) Digital Communication Option (Sierra 760S MB)	762.59	
46 82 83 00-2351	EA	Foundation Fieldbus Full Device Description Digital Communication Option (Sierra 760S FF) Note: Available E2/ E4–P2 configuration only; FM approval available.	762.59	
46 82 83 00-2352	EA	Universal Variables, Flow Totalizer, K-Factor, User Full Scale And Instantaneous Flow Digital Communication Option (Sierra 760S HART) Note: Available E2-P2 /E4-P2) configuration only. FM approval available.	762.59	
46 82 83 00-2353	EA	1-Year Extended Warranty (Sierra 760S W1) Note: One extra year of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional year, two years of coverage total.	260.15	
46 82 83 00-2354	EA	2-Year Extended Warranty (Sierra 760S W2) Note: Two extra years of warranty protection. Sierra's factory warranty is one year. This package buys the customer an additional two years, three years of coverage total.	417.04	
46 82 83 00-2355		**Start Up And Training** *(46 82 83 00-1508)*		
46 82 83 00-2356	DAY	Sierra Instruments Start Up And Training	2,307.62	
46 82 83 00-2357		**Flow Equipment (Toshiba)** *(46 82 83 00-0099)*		
46 82 83 00-2358		**Integral Type, PFA Teflon Liner, Electromagnetic Flow Meter (Toshiba LF654)** *(46 82 83 00-2357)*		
46 82 83 00-2359	EA	1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654DL1FCCAAF2)	5,318.88	62.39
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2360	EA	1" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654EL1FCCAAF2)	5,616.92	98.10
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2361	EA	1-1/4" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654SL1FCCAAF2)	5,699.44	113.04
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2362	EA	1-1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654FL1FCCAAF2)	5,743.29	143.18
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2363	EA	2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654GL1FCCAAF2)	5,916.95	173.31
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2364	EA	2-1/2" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654WL1FCCAAF2)	6,519.64	189.07
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2365	EA	3" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654HL1FCCAAF2)	6,555.75	221.25
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2366	EA	4" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JL1FCCAAF2)	7,106.00	371.39
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2367	EA	6" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KL1FCCAAF2)	8,205.29	469.63
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2368	EA	8" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LL1FCCAAF2)	9,656.84	594.22
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2369	EA	10" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654ML1FCCAAF2)	13,017.12	727.93
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2370	EA	12" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NL1FCCAAF2)	14,920.03	882.34
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2371	EA	14" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PL1FCCAAF2)	19,136.23	1,039.90
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2372	EA	16" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QL1FCCAAF2)	23,260.75	1,143.89
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
46 82 83 00-2373	EA	18" Integral Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RL1FCCAAF2)	28,507.24	1,268.68
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	

46 82 83 00-2374 Remote Type, PFA Teflon Liner, Electromagnetic Flow Meter (Toshiba LF654) *(46 82 83 00-2357)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2375	EA	1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654DM1FCAAF)	3,211.40	62.39
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2376	EA	1" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654EM1FCAAF)	3,509.43	98.10
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2377	EA	1-1/4" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654SM1FCAAF)	3,591.96	113.04
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2378	EA	1-1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654FM1FCAAF)	3,635.81	143.18
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2379	EA	2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654GM1FCAAF)	3,809.46	173.31
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2380	EA	2-1/2" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654WM1FCAAF)	4,412.16	189.07
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2381	EA	3" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654HM1FCAAF)	4,448.27	221.25
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2382	EA	4" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JM1FCAAF)	4,998.52	371.39
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2383	EA	6" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KM1FCAAF)	6,097.81	469.63
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2384	EA	8" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LM1FCAAF)	7,549.36	594.22
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2385	EA	10" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654MM1FCAAF)	10,909.64	727.93
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2386	EA	12" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NM1FCAAF)	12,812.55	882.34
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2387	EA	14" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PM1FCAAF)	17,028.74	1,039.90
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2388	EA	16" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QM1FCAAF)	21,153.27	1,143.89
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2389	EA	18" Remote Type, Toshiba Lay Length, PFA Teflon Liner, Hastelloy C Electrodes, ANSI 150 Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RM1FCAAF)	26,399.75	1,268.68
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2390 Integral Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LF654) *(46 82 83 00-2357)*

46 82 83 00-2391	EA	4" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654JL1BECAAF2)	6,636.30	371.39
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2392	EA	6" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654KL1BECAAF2)	7,383.31	469.63
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2393	EA	8" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654LL1BECAAF2)	8,120.01	594.22
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2394	EA	10" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654ML1BECAAF2)	11,014.70	727.93
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2395	EA	12" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654NL1BECAAF2)	13,043.28	882.34
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2396	EA	14" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654PL1BECAAF2)	16,416.89	1,039.90
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2397	EA	16" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654QL1BECAAF2)	18,685.27	1,143.89
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2398	EA	18" Integral Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring, 120 Volt AC HART Integral Converter Electromagnetic Flow Meter (Toshiba LF654RL1BECAAF2)	22,734.84	1,268.68
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 120 VAC Profibus Integral Converter Code 2P, Add	*1,236.06*	
		For 24 Volt DC Hart Integral Converter Code D, Add	*721.04*	
		For 24 Volt DC Profibus Integral Converter Code DP, Add	*1,957.10*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	

46 82 83 00-2399 Remote Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LF654) *(46 82 83 00-2357)*

46 82 83 00-2400	EA	4" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654JL1BECAAF)	4,528.82	371.39
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2401	EA	6" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654KL1BECAAF)	5,275.83	469.63
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2402	EA	8" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654LL1BECAAF)	6,012.53	594.22
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2403	EA	10" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654ML1BECAAF)	8,907.22	727.93
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2404	EA	12" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654NL1BECAAF)	10,935.80	882.34
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2405	EA	14" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654PL1BECAAF)	14,309.41	1,039.90
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2406	EA	16" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654QL1BECAAF)	16,577.79	1,143.89
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2407	EA	18" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, Stainless Steel Electrodes, ANSI 150 Carbon Steel Flange, Carbon Steel Case, cFMus (Class 1 Division 2), IP67 (NEMA 4X), 316 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF654RL1BECAAF)	20,627.35	1,268.68
		For Titanium (Ti) Electrode, Add	*791.08*	
		For Platinum (Pt-Ir) Electrode, Add	*3,349.72*	
		For Tantalum (Ta) Electrode, Add	*2,395.90*	
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2408 Remote Type, Chloroprene Liner, Electromagnetic Flow Meter (Toshiba LF450) *(46 82 83 00-2357)*

46 82 83 00-2409	EA	20" Remote Type, Chloroprene Liner, 316L Stainless Steel Electrodes, ANSI 150 Flange, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF4505MCBEJAAB)	23,588.92	1,502.02
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
46 82 83 00-2410	EA	24" Remote Type, Chloroprene Liner, 316L Stainless Steel Electrodes, ANSI 150 Flange, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF4506MCBEJAAB)	28,751.80	1,843.39
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	

46 82 83 00-2411 Remote Type, Natural Rubber Liner, Electromagnetic Flow Meter (Toshiba LF664) *(46 82 83 00-2357)*

46 82 83 00-2412	EA	20" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66450BCKNBAF)	19,097.91	1,502.02
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2413	EA	24" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66460BCKNBAF)	23,780.78	1,843.39
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2414	EA	28" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66470BCKNBAF)	30,645.29	2,423.72
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2415	EA	30" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66475BCKNBAF)	34,800.77	3,004.05
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2416	EA	32" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66480BCKNBAF)	38,852.57	3,504.73
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2417	EA	36" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF66490BCKNBAF)	46,344.72	4,005.40
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2418	EA	40" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A0BCKNBAF)	62,705.17	5,006.73
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2419	EA	42" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A1BCKNBAF)	70,920.00	6,008.10
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2420	EA	48" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A2BCKNBAF)	89,447.26	7,510.12
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2421	EA	54" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A3BCKNBAF)	110,094.35	9,012.14
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2422	EA	60" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A5BCKNBAF)	135,350.47	10,814.57
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2423	EA	66" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A7BCKNBAF)	155,469.80	11,896.02
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2424	EA	72" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A8BCKNBAF)	179,832.93	12,977.48
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2425	EA	78" Remote Type, Toshiba Lay Length, Natural Rubber Liner, 316L Stainless Steel Electrodes, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LF664A9BCKNBAF)	204,316.90	14,157.26
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2426 Remote Type, Hard Rubber Liner, Electromagnetic Flow Meter (Toshiba LC664) *(46 82 83 00-2357)*

46 82 83 00-2427	EA	20" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66450BCKEBAF)	20,987.02	1,502.02
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2428	EA	24" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66460BCKEBAF)	27,023.38	1,843.39
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2429	EA	28" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66470BCKEBAF)	37,460.10	2,423.72
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2430	EA	30" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66475BCKEBAF)	42,888.72	3,004.05
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2431	EA	32" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66480BCKEBAF)	47,581.22	3,504.73
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2432	EA	36" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC66490BCKEBAF)	57,469.26	4,005.40
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2433	EA	40" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A0BCKEBAF)	76,194.70	5,006.73
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2434	EA	42" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A1BCKEBAF)	84,409.53	6,008.10
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2435	EA	48" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A2BCKEBAF)	108,247.73	7,510.12
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2436	EA	54" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A3BCKEBAF)	133,280.77	9,012.14
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2437	EA	60" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A5BCKEBAF)	164,344.32	10,814.57
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2438	EA	66" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A7BCKEBAF)	188,128.57	11,896.02
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2439	EA	72" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A8BCKEBAF)	219,337.41	12,977.48
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	
46 82 83 00-2440	EA	78" Remote Type, Toshiba Lay Length, NSF Approved Hard Rubber Liner, 316L Stainless Steel Electrode, ANSI 150, AWWA Class D Flanges, Carbon Steel Case, IP67 (NEMA 4), 304 Stainless Steel Grounding Ring Electromagnetic Flow Meter (Toshiba LC664A9BCKEBAF)	254,700.76	14,157.26
		For 100-240 Volt AC, 50/60 Hz, 110 Volt DC Hart Code 11, Add	*2,725.51*	
		For 24 Volt DC Hart Code 12, Add	*3,835.91*	
		For 100-240 VAC Profibus Code 21, Add	*4,752.65*	
		For 100-240 VAC Modbus Code 31, Add	*4,752.65*	
		For 24 Volt DC Profibus Code 22, Add	*5,372.74*	
		For 24 Volt DC Modbus Code 32, Add	*5,372.74*	

46 82 83 00-2441 Microwave Density/Consistency Meter (Toshiba LQ500) *(46 82 83 00-2357)*

46 82 83 00-2442	EA	2" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A05CCAA)	48,629.00	173.31
		For Teflon PFA Coating For Sticky Application (LQ500A05CCBA), Add	*3,708.18*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2443	EA	3" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A08CCAA)	48,688.92	221.25
		For Teflon PFA Coating For Sticky Application (LQ500A08CCBA), Add	*4,120.20*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2444	EA	4" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A10CCAA)	49,906.64	371.39
		For Teflon PFA Coating For Sticky Application (LQ500A10CCBA), Add	*4,532.22*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2445	EA	6" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A15CCAA)	50,029.44	469.63
		For Teflon PFA Coating For Sticky Application (LQ500A15CCBA), Add	*5,768.28*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2446	EA	8" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A20CCAA)	51,215.23	594.22
		For Teflon PFA Coating For Sticky Application (LQ500A20CCBA), Add	*7,004.34*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2447	EA	10" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A25CCAA)	51,897.39	727.93
		For Teflon PFA Coating For Sticky Application (LQ500A25CCBA), Add	*7,828.38*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2448	EA	12" Spool Style, Separate Mounting Type, SCS14A Cast Pipe, UL/CUL Class I, Division II Certified, Microwave Density/Consistency Meter (Toshiba LQ500A30CCAA)	52,605.43	882.34
		For Teflon PFA Coating For Sticky Application (LQ500A30CCBA), Add	*9,476.46*	
		For 20 M Cable (LQ500CABLE20M), Add	*994.00*	
		For 30 M Cable (LQ500CABLE30M), Add	*1,169.11*	
		For 40 M Cable (LQ500CABLE40M), Add	*1,287.56*	
		For 50 M Cable (LQ500CABLE50M), Add	*1,412.20*	
46 82 83 00-2449	EA	LQ500 Programming Software (Toshiba 3Y8A1606Z002)	1,236.06	
46 82 83 00-2450	EA	RS232 Hart Modem For Density Meter (Toshiba VIATORRS232HART)	1,648.08	

46 82 83 00-2451 Toshiba Cable *(46 82 83 00-2357)*

46 82 83 00-2452	LF	Toshiba Cable 2A	5.15	
46 82 83 00-2453	LF	Toshiba Cable 3A	5.15	

46 82 83 00-2454 Grounding Ring Material Options *(46 82 83 00-2357)*

46 82 83 00-2455	EA	For 316L Stainless Steel Grounding Ring, Add On 1/2" Meter	939.41	
46 82 83 00-2456	EA	For 316L Stainless Steel Grounding Ring, Add On 1" Meter	1,011.51	
46 82 83 00-2457	EA	For 316L Stainless Steel Grounding Ring, Add On 1-1/2" Meter	1,019.75	
46 82 83 00-2458	EA	For 316L Stainless Steel Grounding Ring, Add On 2" Meter	1,139.24	
46 82 83 00-2459	EA	For 316L Stainless Steel Grounding Ring, Add On 3" Meter	1,652.20	
46 82 83 00-2460	EA	For 316L Stainless Steel Grounding Ring, Add On 4" Meter	2,039.50	
46 82 83 00-2461	EA	For 316L Stainless Steel Grounding Ring, Add On 6" Meter	3,261.14	
46 82 83 00-2462	EA	For 316L Stainless Steel Grounding Ring, Add On 8" Meter	4,311.79	
46 82 83 00-2463	EA	For 316L Stainless Steel Grounding Ring, Add On 10" Meter	5,924.85	
46 82 83 00-2464	EA	For 316L Stainless Steel Grounding Ring, Add On 12" Meter	6,658.24	
46 82 83 00-2465	EA	For 316L Stainless Steel Grounding Ring, Add On 14" Meter	7,820.14	
46 82 83 00-2466	EA	For 316L Stainless Steel Grounding Ring, Add On 16" Meter	8,860.49	
46 82 83 00-2467	EA	For Titanium (Ti) Grounding Ring, Add On 1/2" Meter	1,198.98	
46 82 83 00-2468	EA	For Titanium (Ti) Grounding Ring, Add On 1" Meter	1,726.36	
46 82 83 00-2469	EA	For Titanium (Ti) Grounding Ring, Add On 1-1/2" Meter	2,179.59	
46 82 83 00-2470	EA	For Titanium (Ti) Grounding Ring, Add On 2" Meter	2,402.08	
46 82 83 00-2471	EA	For Titanium (Ti) Grounding Ring, Add On 3" Meter	3,234.36	
46 82 83 00-2472	EA	For Titanium (Ti) Grounding Ring, Add On 4" Meter	3,572.21	
46 82 83 00-2473	EA	For Titanium (Ti) Grounding Ring, Add On 6" Meter	5,069.91	
46 82 83 00-2474	EA	For Titanium (Ti) Grounding Ring, Add On 8" Meter	6,310.09	
46 82 83 00-2475	EA	For Titanium (Ti) Grounding Ring, Add On 10" Meter	8,940.83	
46 82 83 00-2476	EA	For Titanium (Ti) Grounding Ring, Add On 12" Meter	9,832.86	
46 82 83 00-2477	EA	For Titanium (Ti) Grounding Ring, Add On 14" Meter	11,724.03	
46 82 83 00-2478	EA	For Titanium (Ti) Grounding Ring, Add On 16" Meter	13,458.63	
46 82 83 00-2479	EA	For Hastelloy C Grounding Ring, Add On 1/2" Meter	1,893.23	
46 82 83 00-2480	EA	For Hastelloy C Grounding Ring, Add On 1" Meter	2,395.90	
46 82 83 00-2481	EA	For Hastelloy C Grounding Ring, Add On 1-1/2" Meter	2,867.66	
46 82 83 00-2482	EA	For Hastelloy C Grounding Ring, Add On 2" Meter	3,156.07	
46 82 83 00-2483	EA	For Hastelloy C Grounding Ring, Add On 3" Meter	7,387.52	
46 82 83 00-2484	EA	For Hastelloy C Grounding Ring, Add On 4" Meter	9,264.27	
46 82 83 00-2485	EA	For Hastelloy C Grounding Ring, Add On 6" Meter	11,040.08	
46 82 83 00-2486	EA	For Hastelloy C Grounding Ring, Add On 8" Meter	17,875.49	
46 82 83 00-2487	EA	For Hastelloy C Grounding Ring, Add On 10" Meter	24,710.90	
46 82 83 00-2488	EA	For Hastelloy C Grounding Ring, Add On 12" Meter	31,018.93	
46 82 83 00-2489	EA	For Hastelloy C Grounding Ring, Add On 14" Meter	38,909.11	
46 82 83 00-2490	EA	For Hastelloy C Grounding Ring, Add On 16" Meter	47,320.50	

46 82 83 00-2491 Coating Options *(46 82 83 00-2357)*

46 82 83 00-2492	EA	For 0.5mm Epoxy Coating Option, Add	2,101.30	
46 82 83 00-2493	EA	For Epoxy Coat and Potting of Glands Submersible Option, Add	3,337.36	
46 82 83 00-2494	EA	For Potting of Glands Submersible Option, Add	1,236.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2495		**Start Up And Training** *(46 82 83 00-2357)*		
46 82 83 00-2496	DAY	Toshiba Start Up And Training	2,307.62	
46 82 83 00-2497		**Flow Equipment (Yokogawa)** *(46 82 83 00-0099)*		
46 82 83 00-2498		**Magnetic Flow Meters For Raw Sewage** *(46 82 83 00-2497)*		
46 82 83 00-2499	EA	12" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	21,230.67	813.59
46 82 83 00-2500	EA	14" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	27,668.76	957.16
46 82 83 00-2501	EA	16" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	34,368.06	1,052.88
46 82 83 00-2502	EA	20" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	48,532.77	1,316.11
46 82 83 00-2503	EA	24" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	54,502.44	1,615.22
46 82 83 00-2504	EA	28" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	66,852.29	2,123.71
46 82 83 00-2505	EA	36" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	88,031.50	3,509.60
46 82 83 00-2506	EA	40" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	114,585.93	4,387.01
46 82 83 00-2507	EA	44" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	127,081.87	5,922.45
46 82 83 00-2508	EA	48" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	138,834.64	6,580.51
46 82 83 00-2509	EA	54" Diameter Magnetic Flowmeter For Raw Sewage, Fluorocarbon Lining, ANSI 150 Flange, Stainless Steel 316 Electrode Material, 1/2" NPT. Model: Yokogawa #AMXXXDG-AA1-LSA/00	135,729.51	7,896.60
46 82 83 00-2510		**Magnetic Flow Meters For Chlorine Service** *(46 82 83 00-2497)*		
46 82 83 00-2511	EA	1" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	11,043.08	89.74
46 82 83 00-2512	EA	2" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	11,959.75	159.53
46 82 83 00-2513	EA	3" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	12,860.42	203.40
46 82 83 00-2514	EA	4" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	14,309.13	341.84
46 82 83 00-2515	EA	6" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	16,620.49	432.27
46 82 83 00-2516	EA	8" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	20,484.11	550.37
46 82 83 00-2517	EA	10" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	25,342.08	670.01
46 82 83 00-2518	EA	12" Diameter Magnetic Flowmeter For Chlorine Service, Explosion Proof, PFA Lining, ANSO 150 Flange, Tantalum Electrode Material, 1/2" NPT. Model: Yokogawa #AEXXXDN-AA1-TTA/FF1	27,979.41	813.59
46 82 83 00-2519		**Flow Equipment (E+H)** *(46 82 83 00-0099)*		
46 82 83 00-2520	EA	12", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-AALHP2DUA12GA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	16,139.98	882.34
		For Grounding Disc/Protection Disc Pair, Add	*1,162.64*	
46 82 83 00-2521	EA	14", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	16,182.31	1,039.90
		For Grounding Disc/Protection Disc Pair, Add	*2,043.85*	
46 82 83 00-2522	EA	16", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	18,051.69	1,143.89
		For Grounding Disc/Protection Disc Pair, Add	*2,547.43*	
46 82 83 00-2523	EA	18", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4F-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	19,185.70	1,268.68
		For Grounding Disc/Protection Disc Pair, Add	*2,839.67*	
46 82 83 00-2524	EA	20", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	20,315.38	1,429.87
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2525	EA	24", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-AALHP2DUA1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	22,961.85	1,754.83
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2526	EA	30", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7F-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	27,575.19	2,859.73
		For Grounding Disc/Protection Disc Pair, Add	*5,359.04*	
46 82 83 00-2527	EA	36", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	34,134.37	3,812.98
		For Grounding Disc/Protection Disc Pair, Add	*6,530.06*	
46 82 83 00-2528	EA	48", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT2-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	65,839.03	7,149.33
		For Grounding Disc/Protection Disc Pair, Add	*8,207.61*	
46 82 83 00-2529	EA	42", Non-Hazardous Area, Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV0-AALHP2DUW1KGA) Note: Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange ASME B16.5; Calibration Flow: 0.5%.	44,423.12	5,719.47
		For Grounding Disc/Protection Disc Pair, Add	*8,750.51*	
46 82 83 00-2530	EA	54", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV3-AALHP2DHW1KGA) Note: Non-hazardous area; Power Supply: 100-240VAC/24VAC/DC; Outputs: 4-20mA HART, pulse/frequency/switch; Remote Housing: aluminum, coated; Remote Version: 30' coil + signal cable; Electrical Connection: 1/2" NPT; Process Connection: Class D, carbon steel, flange AWWA C207; Calibration Flow: 0.5%.	80,047.65	8,579.19
		For Grounding Disc/Protection Disc Pair, Add	*5,469.29*	
46 82 83 00-2531	EA	1", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P25-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	9,250.19	98.10
		For Grounding Disc/Protection Disc Pair, Add	*1,021.19*	
46 82 83 00-2532	EA	1-1/2", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P40-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	9,317.75	143.16
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2533	EA	2", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P50-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	9,355.44	173.33
		For Grounding Disc/Protection Disc Pair, Add	*1,248.04*	
46 82 83 00-2534	EA	3", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P80-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	10,330.58	221.27
		For Grounding Disc/Protection Disc Pair, Add	*1,458.16*	
46 82 83 00-2535	EA	4", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P1H-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	11,114.13	371.39
		For Grounding Disc/Protection Disc Pair, Add	*1,752.24*	
46 82 83 00-2536	EA	6", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P1F-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	13,080.91	469.63
		For Grounding Disc/Protection Disc Pair, Add	*2,592.70*	
46 82 83 00-2537	EA	8", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P2H-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	15,311.73	594.22
		For Grounding Disc/Protection Disc Pair, Add	*3,474.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2538	EA	10", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P2F-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	21,131.41	727.93
		For Grounding Disc/Protection Disc Pair, Add	*4,273.35*	
46 82 83 00-2539	EA	12", PTFE Liner, Alloy C-22, Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P3H-ELHB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	26,633.88	882.34
		For Grounding Disc/Protection Disc Pair, Add	*4,651.40*	
46 82 83 00-2540	EA	4", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P1H-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	10,945.64	371.39
		For Grounding Disc/Protection Disc Pair, Add	*575.80*	
46 82 83 00-2541	EA	6", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P1F-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	12,918.93	469.63
		For Grounding Disc/Protection Disc Pair, Add	*819.52*	
46 82 83 00-2542	EA	8", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P2H-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	15,149.77	594.22
		For Grounding Disc/Protection Disc Pair, Add	*869.92*	
46 82 83 00-2543	EA	10", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P2F-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	20,969.45	727.93
		For Grounding Disc/Protection Disc Pair, Add	*970.83*	
46 82 83 00-2544	EA	12", PTFE Liner, 316L SS Electrodes, Magnetic Flow Meter (E+H 53P3H-ELGB1RK2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, sensor IP68 NEMA 6P; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + Touch control WEA=EN adjustment; Software Feature: factory setup; basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2%, additional test	26,471.92	882.34
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2545	EA	Flow And Energy Computer For Gases, Liquids And Steam (E+H RMC621-A31AAA1BA1) Note: Differential pressure calculation DIN 5167; Basic Ffunctions: Slot A + E:1x RS232 + 1x RS485.3x LPS = loop power supply; Input A: 2x 0/4-20mA/PFM/pulse; Output A: 1x relay; Input E: 2x Pt100/500/1000; Output E: 2x 0/4-20mA/pulse; Calculation formula IAPWS-IF97; Real gas formula, NX19, OIML R117; Approval: UL listed, CSA GP.:: max. 3x Application:: max. 4 Media / instrument:: intrinsically safe inputs. Approval: Non-hazardous area; Operation: Panel 144x72mm; RS485 Power Supply: 90-250VAC; Slot B: Not selected; Slot C: Not selected; Slot D: Not selected; Software: basic version operation; Language: english; Communication: 1x RS232 + 1x RS485 + 1x Modbus; Additional Option: basic version.	4,267.71	129.99
46 82 83 00-2546	EA	FM NI Class I, Division 2/CSA, Class I, Division 2, ABCD + Zone 2, 8" To 24" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB2B00RCBAAA) Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	15,064.92	129.99
46 82 83 00-2547	EA	FM NI Class I, Division 2/CSA Class I, Division 2, ABCD + Zone 2C, 8" To 24" Pipe, Clamp On, 2 Channel/2 Set, Ultrasonic Flow Meter (E+H 93PA2-EB2B00RCBAAA) Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', --4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4XB; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Outputs: 4-20mA HART + frequency.	21,161.89	129.99
46 82 83 00-2548	EA	ATEX II 1/2GD+ IECEx Z0/1,21 Ex deia IIC Z= Zone , t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD15GBABA) Note: Insertion Tube Length: 13" material insertion tube; Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test, Certificate: basic version; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	10,102.99	129.99
46 82 83 00-2549	EA	ATEX II 1/2GD+ IECEx Z0/1,21 Ex deia IIC Z= Zone, t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD15GBACA) Note: Insertion Tube Length: 13" material insertion tube; Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test, Certificate: basic version; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: gas (customer specific); Outputs: 4-20mA HART + frequency.	10,097.10	129.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2550	EA	2", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P50-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	9,980.06	173.33
		For Grounding Disc/Protection Disc Pair, Add	*1,878.33*	
46 82 83 00-2551	EA	3", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P80-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	10,954.62	221.27
		For Grounding Disc/Protection Disc Pair, Add	*2,508.63*	
46 82 83 00-2552	EA	4", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P1H-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	11,737.84	371.39
		For Grounding Disc/Protection Disc Pair, Add	*2,319.44*	
46 82 83 00-2553	EA	6", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P1F-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	13,711.15	469.63
		For Grounding Disc/Protection Disc Pair, Add	*4,735.39*	
46 82 83 00-2554	EA	8", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P2H-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	15,941.97	594.22
		For Grounding Disc/Protection Disc Pair, Add	*5,449.72*	
46 82 83 00-2555	EA	10", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P2F-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	21,761.65	727.93
		For Grounding Disc/Protection Disc Pair, Add	*8,170.73*	
46 82 83 00-2556	EA	12", PTFE Liner, Titanium Electrodes, Magnetic Flow Meter (E+H 53P3H-EL8B1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA SIL HART + frequency; Housing: wall aluminum, IP67 NEMA 4X; Remote Version: 30' coil and signal cable; Display: 85-260VAC, WEA, 4-line + touch control WEA= EN adjustment; Software Feature: factory setup, basic version; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange ANSI B16.5; Calibration: 0.2% additional test.	27,264.06	882.34
		For Grounding Disc/Protection Disc Pair, Add	*6,953.74*	
46 82 83 00-2557	EA	12", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C3H-53K3/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	15,835.80	882.34
		For Grounding Disc/Protection Disc Pair, Add	*1,162.64*	
46 82 83 00-2558	EA	14", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C3F-2J75/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	19,178.47	1,039.90
		For Grounding Disc/Protection Disc Pair, Add	*2,043.85*	
46 82 83 00-2559	EA	16", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C4H-3JH0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	21,322.11	1,143.89
		For Grounding Disc/Protection Disc Pair, Add	*2,547.43*	
46 82 83 00-2560	EA	18", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C4F-1XC3/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	22,602.89	1,268.68
		For Grounding Disc/Protection Disc Pair, Add	*2,841.18*	
46 82 83 00-2561	EA	24", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C6H-3453/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	26,919.17	1,754.83
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2562	EA	30", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C7F-1DQ4/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	32,932.68	2,859.73
		For Grounding Disc/Protection Disc Pair, Add	*5,359.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2563	EA	36", Hard Rubber Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5W4C9H-1PC4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Design: insertion length short ISO/DVGW until DN400, DN450-2000 1:1; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, flange, ASME B16.5; Calibration Flow: 0.5%.	40,781.95	3,812.98
		For Grounding Disc/Protection Disc Pair, Add	*6,534.09*	
46 82 83 00-2564	EA	FM XP Class I, Division 1, ABCD / CSA Class I, Division 1, ABCD + Zone 1, 8" To 24" Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB2B00NGBAAA)..... Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', --4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: field aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	16,558.40	129.99
46 82 83 00-2565	EA	Portable Ultrasonic Flow Meter (E+H 93TA1-2FQ2/0)..... Note: P Sensor set 1/2" to 2-1/2"/6MHz: not selected; P Sensor set 2" to 12"/2MHz: -40 to 176 degree F + installation set; P Sensor set 4" to 160"/1MHz: not selected; Sensor Cable: 30', PTFE, -40 to 338 degree F; Approval: Non-hazardous area; Operation language: WEA = EN; Accessory: rechargable battery pack, 93T, 4000 mAh.	11,711.31	129.99
46 82 83 00-2566	EA	2", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C50-57J2/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	6,359.05	173.33
		For Grounding Disc/Protection Disc Pair, Add	*408.02*	
46 82 83 00-2567	EA	3", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C80-5550/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	6,655.55	221.27
		For Grounding Disc/Protection Disc Pair, Add	*508.90*	
46 82 83 00-2568	EA	4", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C1H-6XL4/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	7,115.33	371.39
		For Grounding Disc/Protection Disc Pair, Add	*576.17*	
46 82 83 00-2569	EA	6", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C1F-2LT0/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	8,169.29	469.63
		For Grounding Disc/Protection Disc Pair, Add	*819.00*	
46 82 83 00-2570	EA	8", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C2H-5X15/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	9,238.82	594.22
		For Grounding Disc/Protection Disc Pair, Add	*870.47*	
46 82 83 00-2571	EA	10", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C2F-45W4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	11,929.96	727.93
		For Grounding Disc/Protection Disc Pair, Add	*970.83*	
46 82 83 00-2572	EA	12", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-2K37/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	14,577.96	882.34
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2573	EA	14", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-2316/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	16,182.31	1,039.90
		For Grounding Disc/Protection Disc Pair, Add	*2,046.36*	
46 82 83 00-2574	EA	16", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-38M9/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	18,051.69	1,143.89
		For Grounding Disc/Protection Disc Pair, Add	*2,550.57*	
46 82 83 00-2575	EA	18", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4F-21N0/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	19,185.70	1,268.68
		For Grounding Disc/Protection Disc Pair, Add	*2,844.69*	
46 82 83 00-2576	EA	20", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-2PD4/0) ..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	20,315.38	1,429.87
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2577	EA	24", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-2U50/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	22,961.85	1,754.83
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2578	EA	30", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7F-1H05/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	27,575.19	2,859.73
		For Grounding Disc/Protection Disc Pair, Add	*5,359.04*	
46 82 83 00-2579	EA	36", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-1NL0/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	34,152.46	3,812.98
		For Grounding Disc/Protection Disc Pair, Add	*6,534.09*	
46 82 83 00-2580	EA	1", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C25-18U6/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,563.42	98.10
		For Grounding Disc/Protection Disc Pair, Add	*313.06*	
46 82 83 00-2581	EA	1-1/2", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C40-16P1/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,619.75	143.16
		For Grounding Disc/Protection Disc Pair, Add	*344.56*	
46 82 83 00-2582	EA	2", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C50-1955/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,657.44	173.33
		For Grounding Disc/Protection Disc Pair, Add	*407.51*	
46 82 83 00-2583	EA	3", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C80-16X5/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	4,916.67	221.27
		For Grounding Disc/Protection Disc Pair, Add	*508.27*	
46 82 83 00-2584	EA	4", Polyamide Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5D4C1H-17T7/0)..... Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: compact, aluminum, coated; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150 ASME B16.5; Calibration Flow: 0.5%.	5,320.28	371.39
		For Grounding Disc/Protection Disc Pair, Add	*575.47*	
46 82 83 00-2585	EA	3", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S80-ULGB1RC2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	10,251.88	221.27
		For Grounding Disc/Protection Disc Pair, Add	*508.27*	
46 82 83 00-2586	EA	4", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S1H-ULGB1RC2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	10,713.23	371.39
		For Grounding Disc/Protection Disc Pair, Add	*575.47*	
46 82 83 00-2587	EA	6", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S1F-ULGB1RC2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	11,762.46	469.63
		For Grounding Disc/Protection Disc Pair, Add	*819.00*	
46 82 83 00-2588	EA	8", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S2H-ULGB1RC2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	14,078.61	594.22
		For Grounding Disc/Protection Disc Pair, Add	*870.47*	
46 82 83 00-2589	EA	10", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S2F-ULGB1RC2BAAA)..... Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	16,809.91	727.93
		For Grounding Disc/Protection Disc Pair, Add	*970.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2590	EA	12", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S3H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	19,468.55	882.34
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2591	EA	14", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S3F-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	26,227.33	1,039.90
		For Grounding Disc/Protection Disc Pair, Add	*2,046.36*	
46 82 83 00-2592	EA	16", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S4H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	32,091.74	1,143.89
		For Grounding Disc/Protection Disc Pair, Add	*2,550.57*	
46 82 83 00-2593	EA	18", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S4F-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	33,407.61	1,268.68
		For Grounding Disc/Protection Disc Pair, Add	*2,844.69*	
46 82 83 00-2594	EA	20", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S5H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	34,734.01	1,429.87
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	
46 82 83 00-2595	EA	24", Polyurethane Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 55S6H-ULGB1RC2BAAA) Note: Certificate: without; Approval: FM NI Class I, Division 2 / CSA Class I, Division 2; Outputs: 4-20mA HART + frequency; Power Supply: display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: wall aluminum, IP67 NEMA 4X2; Remote Version: 30' coil and signal cable; Cable Entry: 1/2" NPT; Process Connection: Class150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	37,863.61	1,754.83
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2596	EA	12", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3H-4A43/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	14,791.09	882.34
		For Grounding Disc/Protection Disc Pair, Add	*1,164.04*	
46 82 83 00-2597	EA	14", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C3F-2D14/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	16,521.21	1,039.90
		For Grounding Disc/Protection Disc Pair, Add	*2,046.36*	
46 82 83 00-2598	EA	16", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C4H-38N4/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	18,432.52	1,143.89
		For Grounding Disc/Protection Disc Pair, Add	*2,550.57*	
46 82 83 00-2599	EA	20", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C5H-2PE0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	20,731.16	1,429.87
		For Grounding Disc/Protection Disc Pair, Add	*2,967.09*	
46 82 83 00-2600	EA	24", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C6H-2U66/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	23,416.03	1,754.83
		For Grounding Disc/Protection Disc Pair, Add	*3,680.50*	
46 82 83 00-2601	EA	28", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C7H-1JK0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	25,538.85	2,307.28
		For Grounding Disc/Protection Disc Pair, Add	*4,735.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2602	EA	36", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4C9H-1NM5/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	34,921.12	3,812.98
		For Grounding Disc/Protection Disc Pair, Add	*6,542.10*	
46 82 83 00-2603	EA	40", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT0-1KL9/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	40,639.61	4,766.20
		For Grounding Disc/Protection Disc Pair, Add	*7,760.60*	
46 82 83 00-2604	EA	42", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV0-13N0/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	45,400.87	5,719.47
		For Grounding Disc/Protection Disc Pair, Add	*8,768.98*	
46 82 83 00-2605	EA	48", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CT2-1P63/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	66,895.33	7,149.33
		For Grounding Disc/Protection Disc Pair, Add	*8,222.75*	
46 82 83 00-2606	EA	54", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 5L4CV3-12F2/0) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	80,047.65	8,579.19
46 82 83 00-2607	EA	1", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P25-ALDB1NA0BAAA) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	10,494.74	98.10
		For Grounding Disc/Protection Disc Pair, Add	*2,214.43*	
46 82 83 00-2608	EA	2", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P50-ALDB1NA0BAAA) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	10,588.76	173.33
		For Grounding Disc/Protection Disc Pair, Add	*6,248.01*	
46 82 83 00-2609	EA	3", PTFE Liner, 1.4435 (316L) Bullet Nose Electrodes, Magnetic Flow Meter (E+H 53P80-ALDB1NA0BAAA) Note: Approval: CSA C/US NI Class I, Division 2, Groups ABCD; Outputs: 4-20mA HART, pulse/frequency/switch; Power Supply: 100-240VAC/24VAC/DC; Housing: remote, aluminum, coated; Remote Version: 30' coil + signal cable; Cable Entry: 1/2" NPT; Process Connection: Class 150, carbon steel, lap joint flange, ASME B16.5; Calibration Flow: 0.5%.	11,641.53	221.27
		For Grounding Disc/Protection Disc Pair, Add	*7,545.90*	
46 82 83 00-2610	EA	4", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P1H-ALDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	12,487.21	371.39
		For Grounding Disc/Protection Disc Pair, Add	*8,427.70*	
46 82 83 00-2611	EA	6", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P1F-ALDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	14,621.78	469.63
		For Grounding Disc/Protection Disc Pair, Add	*13,508.50*	
46 82 83 00-2612	EA	8", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P2H-ALDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	16,987.27	594.22
		For Grounding Disc/Protection Disc Pair, Add	*13,550.52*	
46 82 83 00-2613	EA	10", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P2F-ELDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	21,917.33	727.93
		For Grounding Disc/Protection Disc Pair, Add	*21,990.67*	
46 82 83 00-2614	EA	12", PFA Liner, Tantalum Electrodes, Magnetic Flow Meter (E+H 53P3H-ELDB1NA0BAAA) Note: Certificate: without; Approval: FM XP Class I, Division 1 / CSA Class I, Division 1; Outputs: 4-20mA SIL HART + frequency; Electrodes: measure electrode only; Display: 85-260VAC, WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup; basic version; Housing: compact aluminum, IP67 NEMA 4X; Remote Version: not used; Cable Entry: 1/2" NPT; Process Connection: Class 150, A105, flange, ANSI B16.5; Calibration: 0.2%, additional test.	27,427.62	882.34
		For Grounding Disc/Protection Disc Pair, Add	*20,466.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2615	EA	Non-Hazardous Area, 24" To 80"Pipe, Clamp On, 1 Channel/1 Set, Ultrasonic Flow Meter (E+H 93PA1-EB3B00ACBAAA) Note: Flow Sensor: 4 to 160", 32 to 338 degree F, NEMA 6P; Sensor Holder: 2 to 160"; Sensor Cable: 30', -4 to 158 degree F; Cable Entry Sensor: gland; additional test; Certificate: without; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Power Supply; Display: 85-260VAC; WEA, 4-line + touch control WEA= language EN adjustment; Software Feature: factory setup, basic version; Outputs: 4-20mA HART + frequency.	15,213.18	129.99
46 82 83 00-2616	EA	1/2" Vortex Flow Meter (E+H 7F2B15-80D3/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,098.57	62.39
46 82 83 00-2617	EA	1" Vortex Flow Meter (E+H 7F2B25-9HJ4/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,257.94	98.10
46 82 83 00-2618	EA	1-1/2" Vortex Flow Meter (E+H 7F2B40-7E64/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,642.14	143.16
46 82 83 00-2619	EA	2" Vortex Flow Meter (E+H 7F2B50-5AR9/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	6,778.15	173.33
46 82 83 00-2620	EA	3" Vortex Flow Meter (E+H 7F2B80-JP51/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	7,264.22	221.27
46 82 83 00-2621	EA	4" Vortex Flow Meter (E+H 7F2B1H-8KW4/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	7,992.82	371.39
46 82 83 00-2622	EA	6" Vortex Flow Meter (E+H 7F2B1F-ETW0/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	10,863.00	469.63
46 82 83 00-2623	EA	8" Vortex Flow Meter (E+H 7F2B2H-8QL2/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	13,656.94	594.22
46 82 83 00-2624	EA	8" To 6" Vortex Flow Meter (E+H 7R2BRR-25V5/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	14,881.22	594.22
46 82 83 00-2625	EA	10" Vortex Flow Meter (E+H 7F2B2F-5186/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	15,597.81	727.93
46 82 83 00-2626	EA	10" To 6" Vortex Flow Meter (E+H 7R2BSR-1J39/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	18,844.61	727.93
46 82 83 00-2627	EA	12" Vortex Flow Meter (E+H 7F2B3H-3TT8/0) Note: Approval: CSA C/US XP Class I, II, III, Division 1, Groups A-G; Outputs: 4-20mA HART; Sensor Version: volume flow basic, 316L, -40...+260oC/-40...+500oF; Display; operation, SD03 4-line, illuminated, touch control + data backup function; Housing: GT20 dual compartment, aluminum; Cable Entry: 1/2" NPT; Process Connection: Class 150, RF, Schedule 40 flange, ASME B16.5; Calibration Flow: 0.75% volume 3-point.	20,712.07	882.34
46 82 83 00-2628	EA	FM NI Class I, Division 2/CSA Class I, Division 2, ABCD + Zone 2, 9" Insertion Tube Length, t-mass Thermal Mass Flow Meter (E+H 65I-20AA0AD1RCBABA) Note: Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: wall aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	8,151.22	129.99
46 82 83 00-2629	EA	1" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-25K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	641.99	98.10
46 82 83 00-2630	EA	1-1/2" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-40K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	747.39	143.16
46 82 83 00-2631	EA	2" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-50K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	813.70	173.33
46 82 83 00-2632	EA	3" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-80K0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	1,073.92	221.27
46 82 83 00-2633	EA	4" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-1HK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	1,396.45	371.39
46 82 83 00-2634	EA	6" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-1FK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	2,234.61	469.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2635	EA	8" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-2HK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	3,105.71	594.22
46 82 83 00-2636	EA	10" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-2FK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	4,928.39	727.93
46 82 83 00-2637	EA	12" Process Connection, 35 Hole, Plate Conditioner (E+H DK7ST-3HK0) Note: Range: -330 to +750 degree F; Process Connection: Class 150, ANSI B16.5; Material: 316L	8,800.33	882.34
46 82 83 00-2638	EA	FM NI Cl.I Div.2/CSA Cl.I Div.2, ABCD + Zone 2, 13" Insertion Tube Length, t-mass Thermal Mass Flow Meter (E+H 65I-30AA0AD1RABABA) Note: Sensor: stainless steel; Process Connection: 1" MNPT, thread ANSI, compression fitting, stainless steel; Seal: PEEK, -40 to +266 degree F; Surface Cleaning: basic version; Calibration: factory calibration, additional test; Certificate: basic version; Housing: compact aluminum, IP67 NEMA 4X; Cable Entry: 1/2" NPT; Display; Operation: 85-260VAC, 2-line + push buttons adjustment; Software Feature: default gas (Air 14.692psia); Outputs: 4-20mA HART + frequency.	7,324.43	129.99
46 82 83 00-2639	DAY	E+H, Up To 8" Flow Meter, Start Up And Training	4,038.34	
46 82 83 00-2640	DAY	E+H, >8" Flow Meter, Start Up And Training	4,615.25	

46 82 83 00-2641 Level Equipment And Instrumentation *(46 82 83 00-0001)*

46 82 83 00-2642 Level Equipment And Instrumentation (Hawk) *(46 82 83 00-2641)*

46 82 83 00-2643 Sultan Integral Transmitters *(46 82 83 00-2642)*

46 82 83 00-2644	EA	2", 2 Wire, No Relays, 12-30 Volt DC Only, Modbus, Sultan Integral Ultrasonic Transmitter (Hawk AWI2)	1,335.12	56.50
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART 2 Wire, Add *Note: For AWI2 Only*	*935.29*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add *Note: 4" Cone Required*	*1,487.96*	
		For 20kHz For Applications Up To 20m, Add *Note: (4" Cone Required), Available in 3" Only*	*1,845.85*	
		For 15kHz For Applications Up To 30m, Add *Note: (10" Cone Required), Available in 3" Only*	*2,173.41*	
		For 10kHz For Applications Up To 40m, Add *Note: (10" Cone Required), Available in 3-1/2" Only*	*2,803.80*	
		For 9kHz For High Power Extended Range Applications Up To 170m, Add *Note: (10" Cone Required)*	*4,324.15*	
		For 5kHz for applications up to 60m maximum, Add *Note: (10" cone required), Available in 3-1/2" Only*	*3,388.86*	
		For 4kHz For High Power Extended Range Applications Up To 170m, Add *Note: (10" Cone Required)*	*4,791.79*	
46 82 83 00-2645	EA	2", 2/3/4 Wire, 2 Relays, Modbus, Sultan Integral Ultrasonic Transmitter (Hawk AWI234)	1,576.96	56.50
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add *Note: For AWR234 Only*	*64.61*	
		For 4-20mA Analog, Add	*854.74*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add *Note: 4" Cone Required*	*1,487.96*	
		For 20kHz For Applications Up To 20m, Add *Note: (4" Cone Required), Available in 3" Only*	*1,845.85*	
		For 15kHz For Applications Up To 30m, Add *Note: (10" Cone Required), Available in 3" Only*	*2,173.41*	
		For 10kHz For Applications Up To 40m, Add *Note: (10" Cone Required), Available in 3-1/2" Only*	*2,803.80*	
		For 9kHz For High Power Extended Range Applications Up To 170m, Add *Note: (10" Cone Required)*	*4,324.15*	
		For 5kHz for applications up to 60m maximum, Add *Note: (10" cone required), Available in 3-1/2" Only*	*3,388.86*	
		For 4kHz For High Power Extended Range Applications Up To 170m, Add *Note: (10" Cone Required)*	*4,791.79*	
		For Switch With 2 Relays, Modbus, Add	*62.77*	
		For Position Slave System Software Option, Add	*1,637.78*	
		For Crane Master Software Option, Add	*819.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2646	EA	3", 2 Wire, No Relays, 12-30 Volt DC Only, Modbus Sultan Integral Transmitter (Hawk AWI2)	1,283.14	56.50
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART 2 Wire, Add	*935.29*	
		Note: For AWI2 Only		
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add	*1,487.96*	
		Note: 4" Cone Required		
		For 20kHz For Applications Up To 20m, Add	*1,845.85*	
		Note: (4" Cone Required), Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,173.41*	
		Note: (10" Cone Required), Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,803.80*	
		Note: (10" Cone Required), Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,324.15*	
		Note: (10" Cone Required)		
		For 5kHz for applications up to 60m maximum, Add	*3,388.86*	
		Note: (10" cone required), Available in 3-1/2" Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,791.79*	
		Note: (10" Cone Required)		
46 82 83 00-2647	EA	3", 2/3/4 Wire, 2 Relays, Modbus, Sultan Integral Transmitter (Hawk AWI234)	1,515.93	56.50
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,094.74*	
		For 40kHz For Liquid Applications Up To 7m, Add	*1,356.88*	
		For 30kHz For Liquid Applications Up To 11m, Add	*1,487.96*	
		Note: 4" Cone Required		
		For 20kHz For Applications Up To 20m, Add	*1,845.85*	
		Note: (4" Cone Required), Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,173.41*	
		Note: (10" Cone Required), Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,803.80*	
		Note: (10" Cone Required), Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,324.15*	
		Note: (10" Cone Required)		
		For 5kHz for applications up to 60m maximum, Add	*3,388.86*	
		Note: (10" cone required), Available in 3-1/2" Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,791.79*	
		Note: (10" Cone Required)		
		For Switch With 2 Relays, Modbus, Add	*62.77*	
		For Position Slave System Software Option, Add	*1,637.78*	
		For Crane Master Software Option, Add	*819.92*	

46 82 83 00-2648 Sultan Remote Transmitters *(46 82 83 00-2642)*

46 82 83 00-2649	EA	2 Wire, No Relays, 12-30 Volt DC Only, Modbus, Sultan Remote Transmitter (Hawk AWR2)	1,833.57	56.50
		For 4-20mA Analog, Add	*854.74*	
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*1,174.26*	
		Note: For AWR2 Only		
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*1,174.26*	
		Note: For AWR2 Only		
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*1,036.23*	
		Note: For AWR2 Only		
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*1,036.23*	
		Note: For AWR2 Only		
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*797.26*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*539.75*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*1,036.23*	
		Note: For AWR2 Only		
		For Position Slave System Software Option, Add	*2,060.25*	
		For Crane Master Software Option, Add	*974.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2650	EA	2/3/4 Wire, 5 Relays, Modbus, Sultan Remote Transmitter (Hawk AWR234)	2,073.56	56.50
		For Power Supply 'C', 30-48 Volt DC And 48-90 Volt AC, Add	*732.90*	
		Note: 234 Units Only		
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART Isolated 4 Wire, Add	*972.89*	
		Note: For AWR234 Only		
		For Profibus DP, Add	*3,893.42*	
		Note: For AWR234 Only		
		For Profibus PA, Add	*1,471.34*	
		For Foundation Fieldbus, Add	*1,471.34*	
		For Devicenet, Add	*3,893.42*	
		Note: For AWR234 Only		
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*797.26*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*539.75*	
		For Position Slave System Software Option, Add	*2,060.25*	
		For Crane Master Software Option, Add	*974.74*	
46 82 83 00-2651	EA	3/4 Wire, 2 Relays, Modbus, Sultan Dual Remote Transmitter (Hawk AWRD34)	3,053.84	56.50
		For Switch Only With 5 Relays, Add	*61.80*	
		For Analog 1: 4-20mA Analog Driving/Modulating Output Module, Add	*1,384.39*	
		For Analog 2: 4-20mA Analog Modulating Output Module, Add	*1,384.39*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*607.73*	

46 82 83 00-2652 Sultan Remote Open Flow Transmitters *(46 82 83 00-2642)*

46 82 83 00-2653	EA	2/3/4 Wire, 5 Relays, 12-30 Volt DC, Modbus, Polycarbonate, Remote Open Channel Flow Transmitter (Hawk AWFR234)	2,730.42	141.25
		For Power Supply 'C', 30-48 Volt DC And 48-90 Volt AC, Add	*732.90*	
		Note: 234 Units Only		
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*574.14*	
		For Switch Only With 5 Relays, Add	*64.61*	
		Note: For AWR234 Only		
		For 4-20mA Analog, Add	*854.74*	
		For 4-20mA Analog With HART Isolated 4 Wire, Add	*972.89*	
		Note: For AWR234 Only		
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*797.26*	

46 82 83 00-2654 Sultan Remote Transducers *(46 82 83 00-2642)*

46 82 83 00-2655	EA	2", 50kHz For Liquid Applications Up To 5m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT50)	1,207.74	56.50
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
46 82 83 00-2656	EA	2", 40kHz For Liquid Applications Up To 7m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT40)	1,410.86	56.50
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb -20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2657	EA	2", 30kHz For Liquid Applications Up To 11m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT30)	1,598.33	56.50
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2658	EA	3", 30kHz For Liquid Applications Up To 15m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT30) Note: 4" Cone Required	1,711.32	113.00
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2659	EA	3", 20kHz For Liquid Applications Up To 20m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT20) Note: 4" Cone Required	2,071.84	113.00
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Flow - Transducer With Multifit Shading Flange And Fast Temperature Compensation, Add	*701.52*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2660	EA	3", 15kHz For Liquid Applications Up To 30m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT15) Note: 8" Or 10" Cone Required	2,455.90	141.25
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For Cable Suspension For Remote 50/40/30/20kH, Add	*121.84*	
		For Titanium Facing Material, Add	*1,775.81*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
46 82 83 00-2661	EA	3-1/2", 10kHz For Liquid Applications Up To 40m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT10) Note: 10" Cone Required	3,142.80	169.50
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2662	EA	3", 9kHz For High Power Extended Range Applications Up To 170m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT09)	4,663.15	169.50
		Note: 10" Cone Required		
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	
46 82 83 00-2663	EA	3-1/2", 5kHz For Applications Up To 60m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT05)	3,727.86	169.50
		Note: 10" Cone Required, Polyolefin Face Only		
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	
46 82 83 00-2664	EA	3", 4kHz For High Power Extended Range Applications Up To 170m, Acoustic Wave Sultan Remote Transducer (Hawk AWRT04)	5,130.79	169.50
		Note: 10" Cone Required, Polyolefin Face Only		
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard ATEX Grp II Cat 2 GD EEx m II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For Approval Standard CSA Equip Class 2; Pollution deg 2; Tamb -20°C to 75°C (Ordinary Locations), Add	*825.21*	
		For Approval Standard CSA Class I; Div 1/2; Group D; Zone 0; AEx/Ex ia IIA; T4, Add	*825.21*	
		For Approval Standard CSA Class II; Div 2; Group F&G; Class III; T6 T85 for Tamb -20°C to 75°C, Add	*825.21*	
		For Approval Standard CSA Class II; Div 1; Group E, F&G; Ex mb II; T5(T100) for Tamb -20°C to 65°C; T6(T85) for Tamb - 20°C to 50°C, Add	*825.21*	
		For 3-1/2" End Cap Mounting Thread Sizes, Add	*374.94*	

46 82 83 00-2665 Sultan Smart Transducers *(46 82 83 00-2642)*

46 82 83 00-2666	EA	12-30 Volt DC, 2 Wire, 4-20mA, Sultan Acoustic Wave Smart Transducer (Hawk AWST-A)	1,456.19	56.50
		For Approval Standard IECEx Zone 0 Ex ia IIA T4 IP67 Tamb -20°C to 70°C, Add	*904.59*	
		For Approval Standard ATEX Grp II Cat 1 GD IP67 EEx ia IIA T4, Add	*904.59*	
		For Approval Standard IECEx Zone 1 Ex mb II IP68 T5 (Tamb -20°C to 65°C) T6 (Tamb -20°C to 50°C), Add	*867.67*	
		For Approval Standard IECEx Zone 20 DIP A20 TA85C IP68 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 1 D T85°C IP67 Tamb -20°C to 75°C, Add	*854.74*	
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,093.91*	
		Note: Available in 2" Only		
		For 40kHz For Applications Up To 7m, Add	*1,349.37*	
		Note: Available in 2" only		
		For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	*1,479.15*	
		Note: (4" cone Required For 3" units)		
		For 20kHz For Applications Up To 20m, Add	*1,920.01*	
		Note: 4" Cone Required, Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,259.93*	
		Note: 8" or 10" Cone Required, Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,910.92*	
		Note: 10" Cone Required, Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,488.96*	
		Note: 10" Cone Required		
		For 5kHz For Applications Up To 60m, Add	*3,520.71*	
		Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,975.14*	
		Note: 10" Cone Required, Polyolefin Face Only		
		For Titanium Facing Material For 15kHz Only, Add	*1,345.25*	
		For Connection Above With Suspension Fitting, Add	*160.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2667	EA	12-30 Volt DC, 1 Relay, Sultan Acoustic Wave Smart Transducer With Modbus (Hawk AWST-C)	1,668.38	56.50
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,093.91*	
		Note: Available in 2" Only		
		For 40kHz For Applications Up To 7m, Add	*1,349.37*	
		Note: Available in 2" only		
		For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	*1,479.15*	
		Note: (4" cone Required For 3" units)		
		For 20kHz For Applications Up To 20m, Add	*1,920.01*	
		Note: 4" Cone Required, Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,259.93*	
		Note: 8" or 10" Cone Required, Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,910.92*	
		Note: 10" Cone Required, Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,488.96*	
		Note: 10" Cone Required		
		For 5kHz For Applications Up To 60m, Add	*3,520.71*	
		Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,975.14*	
		Note: 10" Cone Required, Polyolefin Face Only		
		For Titanium Facing Material For 15kHz Only, Add	*1,345.25*	
		For Connection Above With Suspension Fitting, Add	*160.69*	
46 82 83 00-2668	EA	12-30 Volt DC, 2/3/4 Wire, 1 Relay, 4-20mA, Sultan Acoustic Wave Smart Transducer With Modbus (Hawk AWST-D)	1,862.02	56.50
		For Approval Standard ATEX Grp II Cat 3 GD T85°C IP67 Tamb -40°C to 70°C, Add	*609.21*	
		For 3" End Cap Mounting Thread Sizes, Add	*222.49*	
		For 50kHz For Liquid Applications Up To 5m, Add	*1,093.91*	
		Note: Available in 2" Only		
		For 40kHz For Applications Up To 7m, Add	*1,349.37*	
		Note: Available in 2" only		
		For 30kHz For Applications Up To 11m For 2" And 15m For 3", Add	*1,479.15*	
		Note: (4" cone Required For 3" units)		
		For 20kHz For Applications Up To 20m, Add	*1,920.01*	
		Note: 4" Cone Required, Available in 3" Only		
		For 15kHz For Applications Up To 30m, Add	*2,259.93*	
		Note: 8" or 10" Cone Required, Available in 3" Only		
		For 10kHz For Applications Up To 40m, Add	*2,910.92*	
		Note: 10" Cone Required, Available in 3-1/2" Only		
		For 9kHz For High Power Extended Range Applications Up To 170m, Add	*4,488.96*	
		Note: 10" Cone Required		
		For 5kHz For Applications Up To 60m, Add	*3,520.71*	
		Note: 10" Cone Required, Available in 3-1/2" Only, Polyolefin Face Only		
		For 4kHz For High Power Extended Range Applications Up To 170m, Add	*4,975.14*	
		Note: 10" Cone Required, Polyolefin Face Only		
		For Titanium Facing Material For 15kHz Only, Add	*1,345.25*	
		For Connection Above With Suspension Fitting, Add	*160.69*	

46 82 83 00-2669 Flanges, Focalizer Cones, And Cables *(46 82 83 00-2642)*

46 82 83 00-2670	EA	2" ANSI Polypropylene Flange	446.81	87.06
		Note: Fits 2" NPT Transducer Thread		
46 82 83 00-2671	EA	3" ANSI Polypropylene Flange	448.80	101.70
		Note: Available Ss FA3A-4, Fits C03-4-Z Cone Only		
46 82 83 00-2672	EA	4" ANSI, Acoustically Isolated, Polypropylene Flange	534.35	171.10
		Note: Fits 3" Units And 2" Units With Cone		
46 82 83 00-2673	EA	6" ANSI, Acoustically Isolated, Polypropylene Flange	752.72	210.57
		Note: Fits 3" And 3.5" Units		
46 82 83 00-2674	EA	8" ANSI, Acoustically Isolated, Polypropylene Flange	997.68	259.83
		Note: Fits 3" And 3.5" Units		
46 82 83 00-2675	EA	10" ANSI, Acoustically Isolated, Polypropylene Flange	1,345.10	316.31
		Note: Fits 3" And 3.5" Units		
46 82 83 00-2676	EA	6" ANSI Flange (Hawk FA6D50-4)	956.67	210.57
		Note: Fits 3.5" Transducers With TB50 End Cap/Black Cap.		
46 82 83 00-2677	EA	8" Cone Mounted Flange (Hawk FA8A-4-C4)	1,275.80	259.83
		Note: Fits C04-4 / C02 Cones		
46 82 83 00-2678	EA	6" Multifit Polypropylene Flange (Hawk FS6N-4)	960.79	210.57
		Note: For 1" BSP Threaded Cable Entry Mount		
46 82 83 00-2679	EA	4" ANSI Type Angle Flange (Hawk FA4C-4)	458.12	171.10
46 82 83 00-2680	EA	6" ANSI Type Angle Flange (Hawk FA8C-4)	596.16	210.57
46 82 83 00-2681	EA	10" ANSI Type Angle Flange (Hawk FA10C-4)	799.17	316.31
46 82 83 00-2682	EA	C04, Polypropylene, Cone With Adapter For 2" NPT Transducer	374.45	23.39
		Note: 02N		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre ANSI Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre DIN Flange		
		For Carbon Fiber Material, Add	*2,692.55*	
		Note: Comes attached to Carbon Fibre JIS Flange		
		For Polyurethane Material, Add	*1,030.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2683	EA	C04, Polypropylene, Cone With Adapter For 2" BSP Transducer Note: 02B	374.45	23.39
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre ANSI Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre DIN Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre JIS Flange*	*2,692.55*	
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2684	EA	4" Polypropylene Cone For 20kHz And 3" 30kHz Transducers	684.65	340.99
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre ANSI Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre DIN Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre JIS Flange*	*2,692.55*	
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2685	EA	8" Polypropylene Cone For 15kHz/10kHz	1,065.32	519.67
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre ANSI Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre DIN Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre JIS Flange*	*2,692.55*	
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2686	EA	10" Polypropylene Cone For 15kHz/10kHz/9kHz/5kHz/4kHz	1,283.15	632.64
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre ANSI Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre DIN Flange*	*2,692.55*	
		For Carbon Fiber Material, Add *Note: Comes attached to Carbon Fibre JIS Flange*	*2,692.55*	
		For Polyurethane Material, Add	*1,030.05*	
46 82 83 00-2687	EA	3" Outside Diameter, Special Cone And Connection Adapter (Hawk C03-4-Z) Note: Fits 3" units only. Fits FA3A-4 flange only	868.75	203.40
46 82 83 00-2688	EA	90mm Outside Diameter Cone (Hawk C04-4-ZOD90) Note: Fits 3" units only	512.35	203.40
46 82 83 00-2689	EA	4" And 6" Flanges/Cones, Polypropylene Locking Ring	74.76	
46 82 83 00-2690	EA	8" Cones For 15kHz Units, Polypropylene Locking Ring	97.42	
46 82 83 00-2691	EA	10" Flanges/Cones, Polypropylene Locking Ring	120.09	
46 82 83 00-2692	EA	Standard Cables, 15 Meters (Hawk CA-TXCC-R-C15)	216.44	
46 82 83 00-2693	EA	Standard Cables, 30 Meters (Hawk CA-TXCC-R-C30)	406.59	
46 82 83 00-2694	EA	Standard Cables, 50 Meters (Hawk CA-TXCC-R-C50)	666.89	

46 82 83 00-2695 HawkLink 3G Modem *(46 82 83 00-2642)*

46 82 83 00-2696	EA	3G, 12 - 30 Volt DC, Remote Stand Alone System (Hawk HL) Note: Mounted In A Sultan Remote Enclosure With Antenna	4,822.73	225.60
		For Power Supply 'U', 12-30 Volt DC And 90-260 Volt AC, Add	*525.33*	
46 82 83 00-2697	EA	USB Cable And Converter For Goshawk II (Hawk HAWKLINK-USB)	696.21	11.28
46 82 83 00-2698	EA	Mini USB To USB Cable And Converter For MiniWave (Hawk Hawklink-MiniUSB)	496.38	11.28
46 82 83 00-2699	EA	ProCom Sol HART Modem (Hawk HART-USB-PROCOM)	1,234.00	
46 82 83 00-2700	MO	3G Wireless, Modbus, Remote Troubleshooting, HawkLink Modem Rental Note: In order to receive a HawkLink rental, the customer will be required to provide a purchase order to insure that the HawkLink is returned within the 30 day period. In the event that the HawkLink modem is not returned after 30 days, the customer will be billed $600.00 per month until the unit is returned.	1,236.06	

46 82 83 00-2701 Miscellaneous Part And Accessories *(46 82 83 00-2642)*

46 82 83 00-2702	EA	Stainless Steel Sunhood For Sultan, Orca, GSA And GSM (HAWK SUNHOOD) Note: Included With OSIRSC Package	830.22	
46 82 83 00-2703	EA	Junction Box With 1m Cable (HAWK AWRT-JB-01)	438.80	
46 82 83 00-2704	EA	Junction Box With 6m Cable (HAWK AWRT-JB-06)	531.51	
46 82 83 00-2705	EA	Standard Stainless Steel Tags (HAWK SS TAGS)	140.09	
46 82 83 00-2706	EA	Inspection Test Plan Note: 1 Per Product Type	216.31	
46 82 83 00-2707	EA	Declaration Of Conformity	107.13	
46 82 83 00-2708	EA	Test Certificate	107.13	
46 82 83 00-2709	EA	5 Point Measurement Calibration Certificate	216.31	
46 82 83 00-2710	EA	Wiring/Dimension Drawing Note: 1 Per Product Type	216.31	
46 82 83 00-2711	EA	Certified Wiring/Dimension Drawing Note: 1 Per Product Type	216.31	
46 82 83 00-2712	EA	Fabrication / Manufacturing Schedule	216.31	
46 82 83 00-2713	EA	Calibration Certificate	107.13	
46 82 83 00-2714	EA	Welder Qualifications Note: Supplied By Welder	107.13	
46 82 83 00-2715	EA	Welding Procedures Note: Supplied By Welder	107.13	
46 82 83 00-2716	EA	Certificate of Conformity	107.13	
46 82 83 00-2717	EA	Inspection Test Plan Note: 1 Per Product Type	216.31	
46 82 83 00-2718	EA	Customized Engineering Drawings Note: 1 Per Product Type	216.31	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2719	EA	Certified Drawings Note: 1 Per Product Type	216.31	
46 82 83 00-2720	EA	Hydrostatic Testing	216.31	
46 82 83 00-2721	EA	Material Certificates Note: 1 Per Product Type	107.13	
46 82 83 00-2722	EA	NACE Certificates	107.13	

46 82 83 00-2723 On-Site Technical Support *(46 82 83 00-2642)*

Note: Travel days are billed as additional days at the level of service supplied. If arrival or departure is concurrent with a workday, the daily charge will be no more than the next highest level of service for that day We will bill for portal to portal travel and incidentals at actual cost. This includes: coach class airfare, lodging, meals, car or equipment rental, field service parts and supplies. You will receive a listing of charges for travel with our invoice. You may cancel or reschedule a service call at any time prior to departure without penalty. Any cancellation charges incurred will be billed at cost. Cancellations received after departure will be invoiced for cancellation charges and expenses, plus a minimum of one day of labor.

46 82 83 00-2724	Day	Standard On-Site Technical Support Note: Schedule 2 Weeks In Advance	2,884.14	
46 82 83 00-2725	Day	Premium On-Site Technical Support Note: Longer Than 8 Hours, Less Than 12 Hours	3,965.69	
46 82 83 00-2726	Day	Priority On-Site Technical Support Note: On-Site Within 72 Hours	5,768.28	

46 82 83 00-2727 Level Equipment And Instrumentation (Siemens Miltronics) *(46 82 83 00-2641)*

46 82 83 00-2728	EA	2-Wire Ultrasonic Level Probe, 1-16.4" Range, NEMA 4 Enclosure, 4-20mA Loop Powered Output. Model Milltronics Two-Wire PROBE	2,791.64	44.86
46 82 83 00-2729	EA	Ultrasonic Transceiver, NEMA 4X, 2 Alarm Relays, 0-16' Range. Model: Milltronics MiniRanger	3,478.89	70.62
46 82 83 00-2730	EA	Ultrasonic Transceiver, NEMA 4X, 4 Alarm Relays, 0-200' Range. Model: Milltronics AirRanger DPL Plus	6,625.80	70.62
		For Hand Held Programmable Calibrator, Add	*75.00*	
		For LIS-1 Loop Isolator, Add	*185.00*	
46 82 83 00-2731	EA	Multiranger 100 Single Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN7ML5034-1AA001A)	3,243.34	70.62
46 82 83 00-2732	EA	Multiranger 200 Dual Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN7ML5034-1AB001A)	3,786.50	70.62
46 82 83 00-2733	EA	Hydroranger Single Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN5033-1AA001A)	2,309.20	70.62
		For Hand Held Programmable Calibrator, Add	*75.00*	
46 82 83 00-2734	EA	Hydroranger Dual Channel Ultrasonic Level Monitor Controller (Siemens Milltronics PN5033-1AB001A)	3,793.52	70.62
46 82 83 00-2735	EA	OCMIII Ultrasonic Flow Monitor For Open Channels (Siemens Milltronics PN 7ML5001-1A00B2)	5,125.51	56.50
		For Hand Held Programmable Calibrator, Add	*75.00*	
		For Transducer, Mounting, 1 To 10' Range, 100' Interconnect Cable, Add	*385.00*	
		For Temperature Compensator Probe, Add	*225.00*	
46 82 83 00-2736	EA	Liquid Level Sensor, 15' Cable (Siemens Milltronics ST-H)	1,702.52	42.37
46 82 83 00-2737	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-10)	1,452.09	41.24
46 82 83 00-2738	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-15)	1,824.26	42.37
46 82 83 00-2739	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-30)	2,674.12	42.37
46 82 83 00-2740	EA	Liquid And Solids Level Sensor, 15' Cable (Siemens Milltronics XPS-40)	3,399.89	42.37

46 82 83 00-2741 Process Measurement (Pulsar) *(46 82 83 00-2641)*

46 82 83 00-2742	EA	0.15 To 3m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB3)	1,458.99	56.40
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 1-1/2" Or 2" Front Nose Thread, Add	*152.18*	
		For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*327.77*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2743	EA	0.3 To 6m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB6)	1,775.05	56.40
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 1-1/2" Or 2" Front Nose Thread, Add	*152.18*	
		For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*327.77*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2744	EA	0.3 To 10m Liquid And Solid Level Measurement Transducer With 5m Cable (Pulsar dB10)	1,962.35	56.40
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 1-1/2" Or 2" Front Nose Thread, Add	*152.18*	
		For 2" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*327.77*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2745	EA	0.5 To 15m Liquid And Solid Level Measurement Narrow Beam Transducer With 5m Cable (Pulsar dB15)	2,512.53	56.40
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For 3" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*351.18*	
		For 4" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*398.00*	
		For 6" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*444.83*	
		For 8" Flange With Polytetrafluoroethylene (PTFE) Facing, Add	*702.36*	
		For Polyvinylidene Fluoride (PVDF) Housing, Add	*128.77*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2746	EA	0.6 To 25m Liquid And Solid Level Measurement Narrow Beam, Mid Range Transducer With 5m Cable (Pulsar dB25)	3,694.84	56.40
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For Foam Facing, Add	*175.59*	
		For Intrinsically Safe ATEX Approved EEx ia IIC T6, Add	*257.53*	
46 82 83 00-2747	EA	1.2 To 40m Liquid And Solid Level Measurement Narrow Beam, Long Range Transducer With 5m Cable (Pulsar dB40)	5,181.50	56.40
		For 10m Cable, Add	*81.94*	
		For 20m Cable, Add	*234.12*	
		For 30m Cable, Add	*421.42*	
		For Submersible Shield, Add	*175.59*	
		For Foam Facing, Add	*175.59*	
46 82 83 00-2748	EA	Level, Volume, Pump Control And Open Channel Flow Control Microprocessor (Pulsar Ultra 3)	2,571.06	56.40
		For Intrinsically Safe, 4-20mA Output (Wall Mount), Add	*995.01*	
		For UL/CuL Approved (Wall Mount) 4-20mA Output, Add	*70.24*	
		For Panel Mount (NEMA 4X Face) Enclosure, Add	*995.01*	
		For Rack Mount (19" Version) Enclosure, Add	*526.77*	
		For Fascia Mount (NEMA 12) Enclosure, Add	*526.77*	
		For RS-485 Modbus RTU And Data Logging, Add	*877.95*	
		For Profibus dP Version 0 And Data Logging, Add	*995.01*	
		For Profibus dP Version 1 And Data Logging, Add	*1,393.01*	
		For PC Ultra Software Program - Serial Port Lead, Add	*690.65*	
		For PC Ultra Software Program - USB Converter Lead, Add	*995.01*	
		For PC Elephant Data Logging Software - Serial Port Lead, Add	*1,158.89*	
		For PC Elephant Data Logging Software - USB Converter Lead, Add	*1,486.66*	
		For Pulsar PC Software Suite - Serial Port Lead, Add	*1,135.48*	
		For Pulsar PC Software Suite - USB Converter Lead, Add	*1,393.01*	
		For Ultra Scan PC Vessel Profile And Contents Display, Add	*3,734.21*	
		For Communicator - Infra Red Remote, Add	*924.77*	
		For PC Serial Port Connection Lead, Add	*187.30*	
		For PC Connection Lead With USB Converter, Add	*339.47*	
		For Tagging - Stainless Steel, Add	*175.59*	
		For Hydro Ranger Adapter Plate, Add	*234.12*	
		For Additional Manuals, Add	*105.35*	
46 82 83 00-2749	EA	Level, Volume, Pump Control, Differential And Open Channel Flow Control Microprocessor (Pulsar Ultra 5)	3,004.18	56.40
		For UL/CuL Approved (Wall Mount) 4-20mA Output, Add	*70.24*	
		For Panel Mount (NEMA 4X Face) Enclosure, Add	*995.01*	
		For Rack Mount (19" Version) Enclosure, Add	*526.77*	
		For Fascia Mount (NEMA 12) Enclosure, Add	*526.77*	
		For RS-485 Modbus RTU And Data Logging, Add	*877.95*	
		For Profibus dP Version 0 And Data Logging, Add	*995.01*	
		For Profibus dP Version 1 And Data Logging, Add	*1,393.01*	
		For PC Ultra Software Program - Serial Port Lead, Add	*690.65*	
		For PC Ultra Software Program - USB Converter Lead, Add	*995.01*	
		For PC Elephant Data Logging Software - Serial Port Lead, Add	*1,158.89*	
		For PC Elephant Data Logging Software - USB Converter Lead, Add	*1,486.66*	
		For Pulsar PC Software Suite - Serial Port Lead, Add	*1,135.48*	
		For Pulsar PC Software Suite - USB Converter Lead, Add	*1,393.01*	
		For Ultra Scan PC Vessel Profile And Contents Display, Add	*3,734.21*	
		For Communicator - Infra Red Remote, Add	*924.77*	
		For PC Serial Port Connection Lead, Add	*187.30*	
		For PC Connection Lead With USB Converter, Add	*339.47*	
		For Tagging - Stainless Steel, Add	*175.59*	
		For Hydro Ranger Adapter Plate, Add	*234.12*	
		For Additional Manuals, Add	*105.35*	

46 82 83 00-2750 Level Equipment And Instrumentation (Omntec) *(46 82 83 00-2641)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2751	EA	Up To 8 Magnetostrictive Probes, Up To 44 BX Series Leak Dection Sensors, Four Line By 40 Character Display, Tank Gauging And Leak Detection Controller With Printer (Omntec OEL8000IIP)	6,675.40	70.62
46 82 83 00-2752	EA	Up To 4 MTG Series Inventory Probes And 16 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller (Omntec OEL8000IIIB4)	3,993.47	70.62
46 82 83 00-2753	EA	Up To 4 MTG Series Inventory Probes And 16 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller With Printer (Omntec OEL8000IIIK4P)	6,749.60	70.62
46 82 83 00-2754	EA	Up To 16 MTG Series Inventory Probes And 64 BX Series Leak Sensors, 7" Touch Screen Display, Tank Gauging And Leak Detection Controller (Omntec OEL8000IIIXP)	9,878.87	70.62
46 82 83 00-2755	EA	4 Probe And 16 Leak Sensor Module For Proteus X Controller (Omntec XB-416)	1,527.80	70.62
46 82 83 00-2756	EA	8 Channel Relay Board For Proteus X Controller (Omntec XB-RB8)	1,415.43	70.62
46 82 83 00-2757	EA	Magnetostrictive Tank Gauging Probe (Omntec MTG)	3,141.93	42.37
		Note: Up To 12' Tank Diameter, Includes Buna Float Set For Product And Water, 4" Cap And Install Kit		
46 82 83 00-2758	EA	Magnetostrictive Tank Gauging Probe (Omntec MTG-V)	2,652.19	42.37
		Note: For Inventory Only, Up To 12' Tank Diameter, Includes 4" Cap And Install Kit		
46 82 83 00-2759	EA	4' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-4)	843.75	42.37
46 82 83 00-2760	EA	6' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-6)	843.75	42.37
46 82 83 00-2761	EA	8' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-8)	843.75	42.37
46 82 83 00-2762	EA	10' Diameter Double Wall Fiberglass Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWF-10)	843.75	42.37
46 82 83 00-2763	EA	4' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-4)	599.93	42.37
46 82 83 00-2764	EA	6' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-6)	599.93	42.37
46 82 83 00-2765	EA	8' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-8)	599.93	42.37
46 82 83 00-2766	EA	10' Diameter Double Wall Fiberglass Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWF-10)	599.93	42.37
46 82 83 00-2767	EA	Double Wall Steel Tank Annular Space, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWS)	733.50	42.37
46 82 83 00-2768	EA	Double Wall Steel Tank Annular Space, Nondistinguishing Bright Eye Sensor (Omntec BX-LWS)	648.70	42.37
46 82 83 00-2769	EA	Brine Filled Doublewall Fiberglass Tank, Nondistinguishing Bright Eye Sensor (Omntec BX-RES)	843.75	42.37
46 82 83 00-2770	EA	Nondistinguishing Bright Eye Sensor (Omntec BX-LS)	587.21	42.37
46 82 83 00-2771	EA	Product Distinguishing Bright Eye Sensor (Omntec BX-PDS)	697.46	42.37
46 82 83 00-2772	EA	Temperature Sensor (Omntec BX-TC1)	697.46	42.37
46 82 83 00-2773	EA	Monitoring Well, Product Distinguishing Bright Eye Sensor (Omntec BX-PDWL)	2,028.88	42.37
46 82 83 00-2774	EA	Single Float High Level Oil/Water Interface Bright Eye Sensor (Omntec BX-OWI-1)	831.03	42.37
46 82 83 00-2775	EA	Dual Float High And Caution Level Oil/Water Interface Bright Eye Sensor (Omntec BX-OWI-2)	1,089.68	42.37
46 82 83 00-2776	EA	Two Channel External RS-232 To 4-20MA Convertor With (4) SPST 1 Ampere Relay Outputs Housed In Steel Enclosure For Proteus Series Controllers (Omntec X232-420-2)	1,731.33	70.62
46 82 83 00-2777	EA	Proteus K Systems RS-485 Board (Omntec DB-485)	499.60	28.25
46 82 83 00-2778	EA	Single Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-1)	589.33	42.37
46 82 83 00-2779	EA	Two Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-2)	650.82	42.37
46 82 83 00-2780	EA	Three Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-3)	714.42	42.37
46 82 83 00-2781	EA	Four Tank, Audio Visual High Level Remote Annunciator With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-4)	828.91	42.37
46 82 83 00-2782	EA	Single Tank, Audio Visual High Level Remote Annunciator (110 DB) With Acknowledgement Switch In NEMA 4X Enclosure (Omntec RAS-1-NYS)	818.30	42.37
46 82 83 00-2783	EA	Single Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-1)	2,408.38	42.37
46 82 83 00-2784	EA	Two Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-2)	4,360.99	42.37
46 82 83 00-2785	EA	Three Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-3)	7,049.28	42.37
46 82 83 00-2786	EA	Four Tank LED Remote Display For Level Indication Housed In NEMA 4X Enclosure (Omntec RD625-4)	9,368.67	42.37
46 82 83 00-2787	EA	7" Color Touch Screen Display, Universal Remote Automatic Tank Gauge Monitor, Proteus Mini-Me (Omntec RD7CTS)	2,194.25	42.37
46 82 83 00-2788	EA	Universal Translator (Omntec BX-UT)	425.40	28.25
46 82 83 00-2789	EA	2" Stainless Steel Float For MTG Probe (Omntec SSF-2)	589.33	42.37
46 82 83 00-2790	EA	Single Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU1)	1,375.15	70.62
46 82 83 00-2791	EA	Two Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU2)	1,638.04	70.62
46 82 83 00-2792	EA	Three Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU3)	2,278.31	70.62
46 82 83 00-2793	EA	Four Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU4)	2,530.60	70.62
46 82 83 00-2794	EA	Six Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU6)	2,967.34	70.62
46 82 83 00-2795	EA	Nine Channel Liquid Sensing Audio Visual Controller In NEMA 4X Enclosure (Omntec LU9)	3,476.91	42.37
46 82 83 00-2796	EA	Double Wall Steel Tank, Sump, Containment Area, Nondistinguishing Leak Sensor (Omntec LS-ASC)	551.17	42.37
46 82 83 00-2797	EA	Double Wall Fiberglass Tank, Nondistinguishing Interstitial Sensor (Omntec LWF)	589.33	42.37
46 82 83 00-2798	EA	Doublewall Steel Tank, Nondistinguishing Interstitial Sensor (Omntec LWS)	663.54	42.37
46 82 83 00-2799	EA	Three Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L1PD2)	3,910.79	70.62
46 82 83 00-2800	EA	Six Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L2PD4)	4,290.29	70.62
46 82 83 00-2801	EA	Nine Channel Liquid Product Distinguishing Audio Visual Controller In NEMA 4X Enclosure (Omntec L3PD6)	4,727.03	70.62
46 82 83 00-2802	EA	Double Wall Fiberglass Tank, Product Distinguishing Interstitial Space Sensor (Omntec PDWF)	750.46	42.37
46 82 83 00-2803	EA	Double Wall Steel Tank, Product Distinguishing Interstitial Space Sensor (Omntec PDWS)	750.46	42.37
46 82 83 00-2804	EA	Sump Product Distinguishing Sensor (Omntec PDS)	862.83	42.37
46 82 83 00-2805	EA	Brine Filled Doublewall Fiberglass Tank, Two Point Reservoir Sensor (Omntec I-R-1)	900.99	42.37
46 82 83 00-2806	EA	12" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-S)	527.85	42.37
46 82 83 00-2807	EA	20" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-L)	650.82	42.37
46 82 83 00-2808	EA	Up To 72" Length, Single Point Liquid Level Detection Sensor (Omntec L-1-D)	964.59	42.37
46 82 83 00-2809	EA	Up To 36" Length, Two Point Liquid Level Detection Sensor (Omntec L-2-S)	1,030.31	42.37
46 82 83 00-2810	EA	>36" To 72" Length, High/Low Or High/Caution Level, Two Point Liquid Level Sensor (Omntec L-2-L)	1,091.80	42.37
46 82 83 00-2811	EA	Single Channel High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU1-OW)	1,387.87	70.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2812	EA	Two Channel High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OW)	1,648.64	70.62
46 82 83 00-2813	EA	Two Channel High Oil Level (Pump Out Capablity) Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OWP)	1,900.93	70.62
46 82 83 00-2814	EA	Two Channel Combination Leak Sensing/High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU2-OWIR)	2,341.91	70.62
46 82 83 00-2815	EA	Three Channel Combination Leak Sensing/High Oil Level Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU3-OWIR)	2,592.09	70.62
46 82 83 00-2816	EA	Three Channel Combination Leak Sensing/High Oil Level (Pump Out Capablity) Audio Visual Oil Water Separator Controller In NEMA 4X Enclosure (Omntec LU3-OWPR)	2,655.69	70.62
46 82 83 00-2817	EA	Single Point High Level Sensor In Oil Water Separator (Omntec OWI-1)	828.91	42.37
46 82 83 00-2818	EA	Two Point High And Caution Level Sensor In Oil Water Separator (Omntec OWI-2)	1,030.31	42.37
46 82 83 00-2819	EA	Two Point High Oil And Low Liquid Sensor For Pump Or Valve Control In Oil Water Separator (Omntec OWP-2)	1,030.31	42.37
46 82 83 00-2820	EA	Single Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-1)	438.81	42.37
46 82 83 00-2821	EA	Two Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-2)	474.85	42.37
46 82 83 00-2822	EA	Three Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-3)	513.01	42.37
46 82 83 00-2823	EA	Four Tank, Audio Visual High Level Remote Annunciator In NEMA 4X Enclosure (Omntec RA-4)	551.17	42.37
46 82 83 00-2824	EA	Single Tank, Audio Visual High Level Remote Annunciator (110 DB) In NEMA 4X Enclosure (Omntec RA-1-NYS)	778.02	42.37
46 82 83 00-2825	EA	18" x 24" Yellow Aluminum Fill Alarm Sign With Black 2" Print That Reads "CAUTION - WHEN ALARM BELL SOUNDS OIL TANK FILLED TO CAPACITY DO NOT OVERFILL" (Omntec OFAS-AL)	609.85	28.25

46 82 83 00-2826 Liquid Level Equipment And Instrumentation (Vega Americas) *(46 82 83 00-2641)*

46 82 83 00-2827	EA	Polypropylene Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS61.UDB**HKNAX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. -40 to 176 Degree F.	8,229.17	113.00
		For 3" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*426.24*	
		For 4" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*539.93*	
		For 6" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*641.05*	
		For 8" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*1,336.54*	
46 82 83 00-2828	EA	316L Stainless Steel Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS62.UDC**2HANAX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. FFKM (Kalrez 6375) and PTFE. -20 to 130 Degree C. Aluminum single chamber/IP66/IP68 (0.2bar) housing.	10,969.71	113.00
		For 2" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*308.89*	
		For 2" 150 Lb. Raised Face, ASME B16.5/316L Flange Fitting, Add	*725.94*	
		For 2-1/2" 150 Lb. Raised Face, ASME B16.5/316L Flange Fitting, Add	*1,094.42*	
		For 3" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*1,109.12*	
		For 4" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*1,202.77*	
		For 6" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*1,704.91*	
		For 8" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*2,948.35*	
		For 10" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*3,753.42*	
46 82 83 00-2829	EA	Radar Sensor, Continuous Liquid Level Measurement (Vega PS64.FE***CHXANAXX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. FFKM (Kalrez 6375) and PTFE. -20 to 130 Degree C. Aluminum single chamber/IP66/IP68 (0.2bar) housing.	8,481.38	113.00
		For Plastic Horn Antenna, Add	*395.19*	
		For 4" Flange Adapter Fitting, Add	*553.38*	
		For Flanged With Encapsulated Antenna, Add	*2,927.22*	
		For 1-1/2" PN40, ASME B1.20.1/316L Threaded Fitting, Add	*365.36*	
		For 2", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*437.98*	
		For 3", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*531.49*	
		For 3-1/2", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*949.78*	
		For 4", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*996.69*	
		For 6", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*1,508.89*	
		For 8", 150 Lb., Raised Face, ASME B16.5/316L Flange Fitting, Add	*6,905.00*	
46 82 83 00-2830	EA	Polypropylene Horn Antenna, Radar Sensor, Continuous Liquid Level Measurement (Vega PS67.UXB**HKNAX) Note: Two-wire 4 to 20mA/HART. FM (XP) CL I, DIV1, GP ABCD, (DIP) CL II, III, DIV1, GP EFG approval. -40 to 176 Degree F.	8,239.10	113.00
		For 3" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*426.24*	
		For 4" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*539.93*	
		For 6" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*641.05*	
		For 8" 150 Lb., ASME/PP-GF30 Adapter Flange, Add	*1,336.54*	
		For 170 mm Mounting Strap, Add	*141.66*	
		For 300 mm Mounting Strap, Add	*250.89*	
		For 3" Flange, Add	*479.58*	
46 82 83 00-2831	EA	Polypropylene Horn Antenna, Continuous Liquid Level Measurement (Vega PSWL61.KXB**HK*X) Note: Two-wire 4 to 20mA/HART. CSA CL 1 DIV 2 GP ABCD CLII DIV 2 approval. -40 to 176 Degree F. Plastic single chamber/IP68. Includes 19' cable.	4,495.67	113.00
		For 170 mm Mounting Strap, Add	*141.66*	
		For 39' Cable Length, Add	*85.39*	
		For 59' Cable Length, Add	*176.75*	
46 82 83 00-2832	EA	Wall Bracket With Rotary T Adapter (Vega MONTZUB WT ****)	1,406.02	
		For 205-305 mm Length Range With T Adapter, Add	*278.69*	
		For 340-440 mm Length Range With T Adapter, Add	*362.10*	
		For 150 mm Slide Holder Length, Add	*175.42*	
		For Thread G 1.5 Mounting, Add	*175.42*	
46 82 83 00-2833	EA	Plastic Housing (Vega DIS82.IXHKINACX) Note: Two-wire 4 to 20mA/HART. IP66/IP67 NEMA 4X. For carrier rail and wall mounting with plastic housing.	1,826.63	113.00
46 82 83 00-2834	EA	External Indicating And Adjustment Unit For Plics® Sensors (Vega DIS61.UFKNC) Note: FM(IS) CL I, II, III, DIV1, GP ABCDEF approval. Plastic/IP66/IP68 (0.2bar) housing.	1,675.70	113.00
46 82 83 00-2835	EA	Signal Conditoning And Display Instrument (Vega MET381.XX) Note: Two-Wire 4 to 20mA/HART. 110 VAC Input Power. For Wall Mounting w 3.78" x h 3.78" x d 3.55"	1,981.53	113.00
		NEMA 4x Enclosure (Vega ISO-GEH.BXX)	*347.53*	
46 82 83 00-2836	EA	Signal Conditoning And Display Instrument (Vega MET391.XX) Note: Two-Wire 4 to 20mA/HART. 110 VAC Input Power. For Wall Mounting w 3.78" x h 3.78" x d 3.55"	3,183.00	113.00
		NEMA 4x Enclosure (Vega ISO-GEH.AXX)	*708.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2837	EA	Signal Conditoning And Display Instrument (Vega MET625.UFX) Note: Two-Wire 4 to 20mA/HART with transmitter power supply. 253 VAC. 20 mA current output. 3 x relay outputs, 1 x fail safe relay, 1 x Ethernet(optional), 1 x RS232(optional). Mounting Carrier Rail 35 x 7.5 acc. to EN 50022.	4,239.49	113.00
46 82 83 00-2838	DAY	Vega Start Up And Training	2,307.62	
46 82 83 00-2839		Liquid Level Equipment And Instrumentation (E+H) *(46 82 83 00-2641)*		
46 82 83 00-2840	EA	Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU40-ANB2A4) Note: Process Connection: 1-1/2" NPT, PVDF; Power Supply; Output: 2-wire; 4-20mA HART; Operation: 4-line display VU331, envelope curve display on site; Housing: F12 aluminum, coated, IP68, NEMA 6P; Cable Entry: 1/2" NPT.	2,459.02	103.99
46 82 83 00-2841	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA131AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,029.91	103.99
46 82 83 00-2842	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 6x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA161AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,133.32	103.99
46 82 83 00-2843	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA111AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	2,723.91	103.99
46 82 83 00-2844	EA	Level Input: 2x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 2x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R11CA232AA3A) Note: Application: Level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,797.03	103.99
46 82 83 00-2845	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Level Measurement (E+H FMU90-R21CA111AA3A) Note: Application: Flow + totalizer + level + sample control + preprogrammed OCM flow curves; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,107.48	103.99
46 82 83 00-2846	EA	Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-2D09/0) Note: Process Connection: 1" NPT PVDF rear side, 1-1/2" NPT front side; Cable Length: 100'; Heater: without.	1,387.91	103.99
46 82 83 00-2847	EA	1,000 mm, Zinc Coated Steel, FDU9x Ultrasonic Sensor Support (E+H ZPFDU-A)	639.29	52.00
46 82 83 00-2848	EA	Zinc Coated Steel, Sensor Support Wall Bracket (E+H ZPF-A)	283.14	52.00
46 82 83 00-2849	EA	Without Cable, Non-Hazardous Area, Temperature Probe (E+H FMT131-R7) Note: IP66.	716.80	103.99
46 82 83 00-2850	EA	16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RNAAA) Note: Process Connection: 1" NPT, PVDF; Heater: without.	1,071.14	103.99
46 82 83 00-2851	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RNAA)	1,614.33	103.99
46 82 83 00-2852	EA	1" NPT, UP Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1NAA) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,839.53	103.99
46 82 83 00-2853	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-10A1/0) Note: Heater: without.	999.23	103.99
46 82 83 00-2854	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-12N6/0) Note: Heater: without.	1,076.82	103.99
46 82 83 00-2855	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-13A9/0) Note: Heater: without.	1,231.95	103.99
46 82 83 00-2856	EA	1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-11R8/0) Note: Heater: without.	1,408.64	103.99
46 82 83 00-2857	EA	Flood Protection Tube, 1" NPT Rear Side, 1-1/2" NPT Front Side PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU90-13V3/0) Note: Heater: without.	1,098.40	103.99
46 82 83 00-2858	EA	2" Screw In Flange (E+H FAX50-1265/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 2" NPS Class 150, PN16/10K 50; Sensor Connection: 1-1/2" NPT.	539.39	64.99
46 82 83 00-2859	EA	3" Screw In Flange (E+H FAX50-10R4/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 3" NPS Class150, PN16/10K 80; Sensor Connection: 1-1/2" NPT.	646.95	82.98
46 82 83 00-2860	EA	4" Screw In Flange (E+H FAX50-11F2/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 4" NPS Class 150, PN16/10K 100; Sensor Connection: 1-1/2" NPT	835.57	139.27
46 82 83 00-2861	EA	6" Screw In Flange (E+H FAX50-13R1/0) Note: Material: Universal, PVDF, maximum 58 psia, suitable for 6" NPS Class 150, PN16/10K 150; Sensor Connection: 1-1/2" NPT	1,237.45	176.12
46 82 83 00-2862	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN1AA) Note: Heater: without.	1,071.14	103.99
46 82 83 00-2863	EA	1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN2AA) Note: Heater: without.	1,148.71	103.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2864	EA	1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN4AA) Note: Heater: without.	1,303.84	103.99
46 82 83 00-2865	EA	1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU91-RN6AA) Note: Heater: without.	1,480.53	103.99
46 82 83 00-2866	EA	Approval: ATEX II 1/2 D Ex ta/tb IIIC, ATEX II 2 G Ex ma IIC T6, 1" NPT, PVDF Process Connection, 16' Cable Length, Ultrasonic Sensor (E+H FDU91-EN1AA) Note: Heater: without.	1,497.83	103.99
46 82 83 00-2867	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN1A)	1,543.72	103.99
46 82 83 00-2868	EA	1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN2A)	1,621.29	103.99
46 82 83 00-2869	EA	1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN4A)	1,776.42	103.99
46 82 83 00-2870	EA	1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU92-RN6A)	1,953.13	103.99
46 82 83 00-2871	EA	Approval: ATEX II 1/2 D Ex ta/tb IIIC, ATEX II 2 G Ex ma IIC T6, 16' Cable Length, , Ultrasonic Sensor (E+H FDU92-EN1A)	1,970.43	103.99
46 82 83 00-2872	EA	1" NPT, PVDF Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN1A)	2,286.94	103.99
46 82 83 00-2873	EA	1" NPT, PVDF Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN2A)	2,364.52	103.99
46 82 83 00-2874	EA	1" NPT, PVDF Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN4A)	2,519.64	103.99
46 82 83 00-2875	EA	1" NPT, PVDF Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU93-RN6A)	2,696.33	103.99
46 82 83 00-2876	EA	Approval: ATEX II 1/2 D Ex ta/tb IIIC, 1" NPT, PVDF Process Connection, 16' Cable Length, Ultrasonic Sensor (E+H FDU93-EN1A)	2,713.63	103.99
46 82 83 00-2877	EA	1" NPT, UP Process Connection, 16' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N1A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,801.52	103.99
46 82 83 00-2878	EA	1" NPT, UP Process Connection, 32' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N2A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	2,879.12	103.99
46 82 83 00-2879	EA	1" NPT, UP Process Connection, 65' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N4A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	3,034.24	103.99
46 82 83 00-2880	EA	1" NPT, UP Process Connection, 98' Cable Length, Non-Hazardous Area, Ultrasonic Sensor (E+H FDU95-R1N6A) Note: Temperature; Blocking Distance; Material: -40 to 176 degree F; 2.3'; Membrane: 316L, PE coated.	3,210.93	103.99
46 82 83 00-2881	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA111AA1A) Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66, NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	2,723.91	103.99
46 82 83 00-2882	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 1x Relay, SPDT; Output: PROFIBUS DP, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA113AA1A) Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,133.32	103.99
46 82 83 00-2883	EA	Level Input: 2x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT; Output: 2x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R11CA232AA1A) Note: Application: level + pump control, alternating; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,796.90	103.99
46 82 83 00-2884	EA	Level Input: 1x Sensor FDU9x/8x, Switch Output: 3x Relay, SPDT Output: 1x 0/4-20mA HART, Non-Hazardous Area, Ultrasonic Transmitter (E+H FMU90-R21CA131AA1A) Note: Application: flow + totalizer + level + sample control + preprogrammed OCM flow curves; Housing: field mounting PC, IP66 NEMA 4x; Operation: illuminated display + keypad; Power Supply: 90-253VAC; Additional Input: without; Datalog Function: basic version.	3,413.45	103.99
46 82 83 00-2885	DAY	E+H, Level Instrumentation, Start Up And Training	3,461.44	

46 82 83 00-2886 Liquid Level Equipment And Instrumentation (Wastewater) *(46 82 83 00-2641)*

46 82 83 00-2887	EA	3' FOGRod With 50' of Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-3-50)	2,390.95	103.99
46 82 83 00-2888	EA	3' FOGRod With 100' of Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-3-100)	2,567.29	103.99
46 82 83 00-2889	EA	5' FOGRod With 50' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-5-50)	2,521.97	103.99
46 82 83 00-2890	EA	5' FOGRod With 100' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-5-100)	2,699.14	103.99
46 82 83 00-2891	EA	7' FOGRod With 50' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-7.5-50)	2,521.97	103.99
46 82 83 00-2892	EA	7' FOGRod With 100' Cable, Cleaning Bracket And Level Indicator Transmitter (Wastewater Level Level-7.5-100)	2,699.55	103.99
46 82 83 00-2893	EA	Mains To 12 Volt DC Power Supply (Wastewater Level PSU-12-NB) Note: Excludes battery backup.	214.21	41.60
46 82 83 00-2894	EA	Mains To 24V DC Power Supply (Wastewater Level PSU-24-NB) Note: Excludes battery backup.	214.21	41.60
46 82 83 00-2895	EA	Level Indicator Transmitter (Wastewater Level LIT-100)	1,356.05	
46 82 83 00-2896	EA	5' Replacement FOGRod Level Probe With 50' Cable (Wastewater Level FOG-5-50)	1,444.22	
46 82 83 00-2897	EA	7.5' Replacement FOGRod Level Probe With 50' Cable (Wastewater Level FOG-7.5-50)	1,444.22	
46 82 83 00-2898	EA	5' Replacement FOGRod Level Probe With 100' Cable (Wastewater Level FOG-5-100)	1,620.57	
46 82 83 00-2899	EA	7.5' Replacement FOGRod Level Probe With 100' Cable (Wastewater Level FOG-7.5-100)	1,620.57	
46 82 83 00-2900	EA	Extended Warranty On Level Indicator Transmitter From 2 Years To 5 Years (Wastewater Level LIT-EW5)	323.44	
46 82 83 00-2901	DAY	FOGRod Start Up And Training	1,957.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2902		**Analytical Equipment And Instrumentation** *(46 82 83 00-0001)*		
46 82 83 00-2903		**Analytical Equipment And Instrumentation (ABB)** *(46 82 83 00-2902)*		
46 82 83 00-2904	EA	Dissolved Oxygen Transmitter, Floating Ball Design. Model: ABB Instrumentation, Floating Ball Design Model #AX480/10001, One Loop Control	2,273.03	44.86
46 82 83 00-2905	EA	Dissolved Oxygen Floating Ball Kit. Model: ABB Instrumentation, Model #9408-760, One Loop Control	2,502.77	44.86
46 82 83 00-2906	EA	Dissolved Oxygen Indicator. Model: ABB Instrumentation, Commander 150 Model #C150/0000STD, One Loop Control	863.06	29.92
46 82 83 00-2907	EA	Dissolved Oxygen Sensor Capsule Replacement Kit. Model: ABB Instrumentation Model #SP9-408XXX, One Loop Control	460.59	29.92
46 82 83 00-2908	EA	Conductivity Transmitter. Model: ABB Instrumentation, Model #TB84EC.1000200	3,238.13	59.82
46 82 83 00-2909	EA	Conductivity Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB454.O.E.2.1.2	914.36	29.92
46 82 83 00-2910	EA	pH Transmitter. Model: ABB Instrumentation, Model #TB84PH.1000200	3,133.30	44.86
46 82 83 00-2911	EA	pH Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB551-21103F05	1,176.57	29.92
46 82 83 00-2912	EA	ORP Transmitter. Model: ABB Instrumentation, Model TB84PH.1000200	3,133.30	44.86
46 82 83 00-2913	EA	ORP Sensor, Epoxy Twist Lock Connection, In-line Mount. Model: ABB Instrumentation, Model #TB551-21103F05	1,176.57	29.92
46 82 83 00-2914		**Analytical Equipment And Instrumentation (Blue I Technologies)** *(46 82 83 00-2902)*		
46 82 83 00-2915	EA	4-20mA Output, 120 Volt AC/60 Hertz/1 Phase, Field Mount Total Residual Chlorine Analyzer (Blue I Technologies HG702)	7,225.34	84.75
46 82 83 00-2916	EA	Amperometric, Submersible, Total Residual Chlorine Probe With 30' Cable (Blue I Technologies TRC101)	4,531.91	56.50
46 82 83 00-2917	EA	Handrail Mounting Probe Pole Bracket (Blue I Technologies PRB123)	1,941.49	28.25
46 82 83 00-2918		**Analytical Equipment And Instrumentation (Entech Design)** *(46 82 83 00-2902)*		
46 82 83 00-2919	EA	One 4-20mA Output, Standard Interface, EchoSmart Sensor (Entech Design ESS-16001)	4,032.19	84.75
46 82 83 00-2920	EA	One 4-20mA Output, Wiper Interface, EchoSmart Sensor (Entech Design ESS-26001)	4,677.34	98.31
46 82 83 00-2921	EA	Two 4-20mA Outputs, Interface And Turbidity Wiper Service, EchoSmart Sensor (Entech Design ESS-36001)	5,427.74	113.00
46 82 83 00-2922	EA	One 4-20mA Isolated Output, 115/230 Volt AC, Standard Level EchoSmart Controller (Entech Design ESC-1100110)	4,848.93	101.70
46 82 83 00-2923	EA	115/230 Volt AC, Wired, Combined Level And Turbidity, EchoSmart Controller (Entech Design ESC-210020)	5,013.73	101.70
46 82 83 00-2924	EA	1 To 4 Sensors Network, 30 days, Factory Remote Startup And Service (Entech Design ESA1-0)	1,861.09	39.55
46 82 83 00-2925	EA	5 To 16 Sensors, 30 Days, Factory Remote Startup And Service (Entech Design ESA-20)	1,861.09	39.55
46 82 83 00-2926	EA	Round Handrail Controller Mount With Weathershield (Entech Design 9300-16RH)	1,173.60	25.42
46 82 83 00-2927	EA	Square Handrail Controller Mount With Weathershield (Entech Design 9300-16SH)	1,173.60	25.42
46 82 83 00-2928	EA	Controller Floor Mount With Weathershield (Entech Design 9300-16F)	1,173.60	25.42
46 82 83 00-2929	EA	Sensor Multi-Flex Assembly (Entech Design 9300-13-13)	646.28	14.13
46 82 83 00-2930	EA	Stainless Steel, Sensor Fixed Bracket Mounting Kit (Entech Design 9300-14-01)	646.28	14.13
46 82 83 00-2931	EA	Aluminum, Sensor Fixed Bracket Mounting Kit (Entech Design 9300-14-02)	428.97	8.48
46 82 83 00-2932	EA	Stainless Steel, Sensor Side Pivot Knuckle (Entech Design 9300-15-01)	1,126.75	22.60
46 82 83 00-2933	EA	Controller Mounting Bracket (Entech Design ESC9510)	96.66	1.98
46 82 83 00-2934	EA	Sensor Wiper Blade Assembly Replacement (Entech Design 9306-54-19)	58.44	1.42
46 82 83 00-2935	LF	400' Sensor Cable (Entech Design 9500-24)	6.35	0.34
46 82 83 00-2936	LF	800' Sensor Cable (Entech Design 9500-24b)	8.61	0.34
46 82 83 00-2937	HR	Portal To Portal, On-Site Training And Field Service	319.32	
46 82 83 00-2938	EA	EchoSmart Print Operation And Maintainence Manual	55.62	
46 82 83 00-2939	EA	One Set Of Standard Equipment Submittal Documents	55.62	
46 82 83 00-2940		**Analytical Equipment And Instrumentation (Foxboro)** *(46 82 83 00-2902)*		
46 82 83 00-2941	EA	Dissolved Oxygen Sensor, 4-20mA Output. Model: Foxboro Company #871DO-C-7	1,876.97	29.92
46 82 83 00-2942	EA	Dissolved Oxygen Transmitter, 4-20mA Output, Model: Foxboro Company #873DO-AIPFGZ	2,301.78	44.86
46 82 83 00-2943		**Analytical Equipment And Instrumentation (Great Lakes)** *(46 82 83 00-2902)*		
46 82 83 00-2944	EA	pH Analyzer, 0-14pH Range, 4-20mAdc, 2 SPDT And 1 SPST Relays, NEMA 4X, Mounting Hardware Included. Model Great Lakes Industries #P53A2A1N	2,640.07	56.50
46 82 83 00-2945	EA	pH Sensor, Encapsulated, 5-Wire, Liquid Polymer Crystal Body, Integral Preamplifier Included, 10' Cable. Model: Great Lakes Industries #6028P010	1,839.89	29.92
46 82 83 00-2946	EA	ORP Analyzer, 4-20mAdc, 2SPDT And 1 SPST Relays, NEMA 4X, Mounting Hardware Included. Model: Great Lakes Industries #P53A2A1N	2,640.07	56.50
46 82 83 00-2947	EA	ORP Sensor, Encapsulated, 5-Wire, Liquid Polymer Crystal Body, Integral Preamplifier Included, 10' Cable. Model: Great Lakes Industries #2028R010	1,998.83	29.92
46 82 83 00-2948	EA	Dissolved Oxygen Analyzer, NEMA 4X, With Mounting Hardware, 0-40ppm, 4-20mAdc, 2 SPDT Relays. Model: Great Lakes Industries #D53A4A3N	3,116.87	56.50
46 82 83 00-2949	EA	Dissolved Oxygen Sensor, Submersion, 15" Cable. Model: Great Lakes Industries #5540D0C	2,332.59	29.92
		For Washer Head Air Blast Cleaning Assembly, Add	*225.00*	
46 82 83 00-2950	EA	Residual Chlorine Monitoring System, 0-5ppm, Two 4-20mAdc Relays, NEMA 4X. Model: Great Lakes industries #AC1000P1 AccuChlor	9,490.16	56.50
46 82 83 00-2951		**Analytical Equipment And Instrumentation (Honeywell Analytics)** *(46 82 83 00-2902)*		
46 82 83 00-2952	EA	3 Relay Outputs, 4-20ma Output, Gas Detection Transmitter (Honeywell Analytics XNX-UTAV-RNNNN) Note: Configured for Remote Infrared LEL Detector	1,818.82	36.16
46 82 83 00-2953	EA	0-100%LEL Range, Gas Detection, Infrared Remote Sensor (Honeywell Analytics MPD-UTIV1)	1,919.71	56.50
46 82 83 00-2954	EA	Calibration Gas Flow Detector For MPD LEL Sensor (Honeywell Analytics 1226-A0411)	167.71	28.25
46 82 83 00-2955	EA	3 Relay Outputs, 4-20ma Output, Gas Detection Transmitter (Honeywell Analytics XNX-UTAV-RNNNN) Note: Configured For Remote Electrochemical Detector	2,517.20	36.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2956	EA	0-25% Oxygen, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXSO1SS)	919.28	56.50
46 82 83 00-2957	EA	0-300ppm Carbon Monoxide, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXDC1SS)	1,015.32	56.50
46 82 83 00-2958	EA	16 Inputs, Modbus Communications, (4) 5 Amperes Common Relays, (32) 5-Amp Discrete Relays, 150 Watt Power Supply, UL/CSA Approved, Gas Detection Control and Annunciation Panel With NEMA 4X Enclosure (Honeywell Analytics HA71N4-16)	17,317.66	125.43
46 82 83 00-2959	EA	Nitrogen, Calibration Gas Cannister (Honeywell Analytics 2992-0011)	485.59	14.69
46 82 83 00-2960	EA	50% LEL, Methane, Calibration Gas Cannister (Honeywell Analytics 998-022-001)	454.69	14.69
46 82 83 00-2961	EA	100 ppm, Carbon Monoxide, Calibration Gas Cannister (Honeywell Analytics 998-021-001)	454.69	14.69
46 82 83 00-2962	EA	Zero Air, Calibration Gas Cannister (Honeywell Analytics 998-023-001)	454.69	14.69
46 82 83 00-2963	EA	Calibration Kit For Toxic Gas Detection Sensor And Transmitters (Honeywell Analytics XNXTOXKIT)	769.29	28.25
46 82 83 00-2964	EA	Calibration Kit For Combustible Gas Detection Sensor And Transmitters (Honeywell Analytics XNXCOMBKIT)	769.29	28.25
46 82 83 00-2965	EA	0-1,000 ppm, Hydrogen, Electrochemical Type, Gas Detection Sensor (Honeywell Analytics XNXXSG1SS)	1,121.84	56.50
46 82 83 00-2966	EA	Portable Gas Detector (Honeywell Analytics MCXL-XWHM-Y-NA)	1,437.64	56.50

46 82 83 00-2967 Analytical Equipment And Instrumentation (MSA) *(46 82 83 00-2902)*

46 82 83 00-2968 Gas Detection System Controllers *(46 82 83 00-2967)*

46 82 83 00-2969	EA	8 Channel, NEMA 4X Controller For Analog 4-20mA Detectors (MSA GasGard XL-51) Note: Includes 5 channel cards, 10 discrete relays, 2 common relays, Modbus RTU Ethernet output and 100W power supply	11,105.28	113.00
		For Extra Channel Card, Add	*932.84*	
		For Relay Module With 8 Discrete Relays, Add	*734.61*	
		For Battery Backup, Add	*431.44*	
46 82 83 00-2970	EA	8 Channel, 16 Discrete Relays, 2 Common Relays, Modbus RTU And Ethernet Output, NEMA 4X Controller (MSA GasgardXL8200) Note: Price Includes Delivery ($50.00)	15,264.72	113.00
		For Battery Backup, Add	*414.08*	
46 82 83 00-2971	EA	4 Channel, NEMA 7 Explosion Proof Controller For Analog 4-20mA Detectors (MSA A-9000 XD0020100) Note: Includes 2 dual channel cards with independent AC/DC power supplies, 4 relays each and analog retransmission.	13,752.23	113.00
46 82 83 00-2972	EA	25 Channel, NEMA 4X Controller For Modbus Detectors (MSA Modcon75 DSK-3204-178) Note: Includes NEMA 4X wall mount enclosure and 100W power supply.	13,710.25	113.00
46 82 83 00-2973	EA	25 Channel, NEMA 7 Explosion Proof Controller For Modbus Detectors (MSA Modcon75 DSK-3204-230) Note: Class I, Div 1. Includes XP horn, horn silence button, custom NYCDEP relay logic and 240W power supply for sensors.	57,549.25	113.00
46 82 83 00-2974	EA	25 Channel, Panel Mount Controller For Modbus Detectors MSA Modcon75 10081284) Note: Requires power supply and wiring integration.	9,682.70	113.00

46 82 83 00-2975 Gas Detection System Accessories *(46 82 83 00-2967)*

46 82 83 00-2976	EA	Calibration Kit With 1.5 L/Min Regulator, Plastic Carrying Case, 20.8% O2 Zero Gas Cylinder And Tubing	1,455.24	
		For 100 PPM Carbon Monoxide (MSA 10028052), Add	*559.71*	
		For 40 PPM Hydrogen Sulfide (MSA 10028062), Add	*559.71*	
		For 50% LEL Methane (MSA 10028032), Add	*559.71*	
		For 0.6% Propane (MSA 10028034), Add	*559.71*	
46 82 83 00-2977	EA	3 Button IR Calibrator For Ultima And Trigard (MSA 809997)	746.28	
46 82 83 00-2978	EA	Handheld Controller For Ultima X And Trigard (MSA 809086)	2,346.12	

46 82 83 00-2979 Gas Detection System Spare Parts *(46 82 83 00-2967)*

46 82 83 00-2980	EA	Combination Gas, Infra-Red, Methane, Stainless Steel Sensor With XP, IR, NPT Enclosure (MSA A-ULTX-SENS-38-1-0) Note: Price Includes Delivery ($5.00)	2,667.52	56.50
46 82 83 00-2981	EA	0-25%, Stainless Steel, Oxygen Sensor With XP Or GP Enclosure (MSA A-ALTX-SENS-14-1-0) Note: Price Includes Delivery ($5.00)	1,035.92	56.50
46 82 83 00-2982	EA	0-100 PPM, Stainless Steel, Hydrogen Sulfide Sensor With XP Or GP Enclosure (MSA A-ULTX-SENS-17-1-0) Note: Price Includes Delivery ($5.00)	1,194.55	56.50
46 82 83 00-2983	EA	Combination Gas, Natural Gas And Hydrogen, Stainless Steel Sensor With XP Or GP Enclosure (MSA A-ULTX-SENS-31-1-0) Note: Price Includes Delivery ($5.00)	1,194.55	56.50
46 82 83 00-2984	EA	Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Hydrogen Sulfide And Oxygen Transmitter (MSA A-ULTIMAX-XP-E01U3D10000100) Note: Price Includes Delivery ($10.00)	3,442.06	54.24
46 82 83 00-2985	EA	Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Combination Infra-Red Transmitter (MSA A-ULTIMAX-XP-E02U3D10000100) Note: Price Includes Delivery ($10.00)	3,442.06	54.24
46 82 83 00-2986	EA	Three 3-Wire mA, 1 LED, Remote Housing, UL Enclosure, Explosion Proof Hydrogen Transmitter (MSA A-ULTIMAX-XP-E03U3D10000100) Note: Price Includes Delivery ($10.00)	3,442.06	54.24
46 82 83 00-2987	EA	m Network 2, 4-Wire Modbus, 1 LED, Stainless SteelNPT Threads Enclosure, Explosion Proof Transmitter (MSA A-ULTIMAX3-E1M100000001000000000) Note: Price Includes Delivery ($10.00)	4,680.18	54.24
46 82 83 00-2988	EA	H2S Sensor, 0-50 PPM For Ultima XE Stainless Steel (MSA A-ULTX-SENS1610)	1,209.09	56.50
46 82 83 00-2989	EA	Oxygen Sensor, 2-25% For Ultima XE Stainless Steel (MSA A-ULTX-SENS1410)	1,022.52	56.50
46 82 83 00-2990	EA	CO Sensor, 0-100 PPM For Ultima XE Stainless Steel (MSA A-ULTX-SENS1110)	1,209.09	56.50
46 82 83 00-2991	EA	Combustion Gas Sensor, 0-100% LEL For Ultima XE Stainless Steel (MSA A-ULTX-SENS3110)	1,022.52	56.50
46 82 83 00-2992	EA	Combustion Gas Sensor, IR 0-100% LEL For Ultima XE Stainless Steel (MSA A-ULTX-SENS3810)	2,713.30	56.50
46 82 83 00-2993	EA	Printed Circuit Board For Ultima XE Without Relays (MSA A-ULTX-PCBE41000)	2,278.74	
46 82 83 00-2994	EA	Printed Circuit Board For Ultima XE With Relays (MSA A-ULTX-PCBE43000)	2,756.82	
46 82 83 00-2995	EA	Printed Circuit Board For Ultima X3 Without Relays (MSA A-ULTX-PCBM1000)	2,278.74	
46 82 83 00-2996	EA	Printed Circuit Board For Ultima X3 With Relays (MSA A-ULTX-PCBM3000)	2,756.82	
46 82 83 00-2997	EA	Oxygen Sensor For B-Ultima (MSA 813723)	1,092.49	56.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-2998	EA	H2S Sensor For B-Ultima 0-50 PPM (MSA 813616)	1,535.59	56.50
46 82 83 00-2999	EA	CO Sensor For B-Ultima 0-100 PPM (MSA 813613)	1,535.59	56.50
46 82 83 00-3000	EA	Combustible Gas Sensor For B-Ultima (MSA 813624)	1,535.59	56.50
46 82 83 00-3001	EA	Pump And Drive For Ultima X Sampling Module (MSA 815395)	1,491.94	56.50
46 82 83 00-3002	EA	High Capacity End Of Line Dust/Moisture Filter (MSA 10015787)	669.36	28.25
46 82 83 00-3003	EA	End Of Line Dust/Moisture Filter (MSA 711561)	161.44	28.25

46 82 83 00-3004 General Purpose, Fixed Gas Detection Monitors *(46 82 83 00-2967)*

46 82 83 00-3005	EA	Three 3-Wire mA Output, 1 LED, No Relays, UL Approved, Remote Mounted, Explosion Proof Hydrogen Gas Detector With Display (MSA A-ULTIMAX-XP-E31UD10000100) Note: Price Includes Delivery ($10.00)	5,067.23	113.00
46 82 83 00-3006	EA	20 Analog Input Channels, 30 Relays, 240W, Control System (MSA A-GASGARD1002300111) Note: Price Includes Delivery ($50.00)	35,400.14	113.00
46 82 83 00-3007	EA	Stainless Steel, Tri Gas Wet Well Monitor Note: Price Includes Delivery ($50.00)	29,994.43	113.00
		For 100 Watt Heater For Low Temperature Applications, Add	*7,305.11*	
46 82 83 00-3008	EA	Trigard Multigas Detector (MSA A-TRIGARD-AM1) Note: Includes power supply, relays, mounting bracket and Modbus output. Choose up to 3 GP sensors.	3,502.60	113.00
		For 0-500 PPM Carbon Monoxide, Or 0-25% Oxygen Or 1-100% LEL Cat Bead, Add	*1,714.10*	
		For Battery Backup, Add	*349.82*	
		For Red Or Amber Strobe, Add	*466.42*	

46 82 83 00-3009 Explosion Proof, Fixed Gas Detection Monitors *(46 82 83 00-2967)*

46 82 83 00-3010	EA	Combustible Gas Detector (MSA Ultima X A-ULTIMAX-XPE38U4D10000100) Note: Includes 0-100% LEL IR Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays, remote mounted sensor and mounting bracket.	6,751.66	113.00
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3011	EA	Oxygen Gas Detector (MSA Ultima X A-ULTIMAX-XPE14U4D10000100) Note: Includes 0-25% O2 Sensor, LCD, LEDs, 3 wire 4-20mA HART output, locally mounted sensor, no relays and mounting bracket.	5,355.64	113.00
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3012	EA	Hydrogen Sulfide Detector (MSA Ultima X A-ULTIMAX-XPE17U4D10000100) Note: Includes 0-100 PPM H2S Sensor, LCD, LEDa, 3 wire 4-20mA HART output, no relays, remote mounted sensor and mounting bracket.	5,355.64	113.00
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3013	EA	Ultima X3 Multigas Explosion Proof Multigas Detector (MSA A-UltimaX3-E1M10000381100000000) Note: Inludes local 0-25% O2 sensor, remote XP 0-100 PPM H2S sensor, remote XP 0-100% LEL IR sensor and Modbus output.	6,591.70	113.00
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3014	EA	Explosion Proof DC Sampling Pump For Ultima X Gas Detector (MSA 10043264) Note: Includes flow switch, filters and requires flow caps.	3,522.06	56.50
		For Standard Flow Cap, Add	*468.75*	
		For IR Sensor Flow Cap (MSA 10042600), Add	*673.65*	
		For Wall Mounting Bracket (MSA 10047651), Add	*105.07*	
		For End Of Line Filter, Add	*568.59*	
		For 1/4" Sample Tubing, Add	*14.42*	
46 82 83 00-3015	EA	Oxygen Gas Detector (MSA Ultima X A-ULTIMAX-PLA1404S10000100) Note: Includes 0-25% O2 Sensor, LCD, LEDs, 3 wire 4-20mA HART output, no relays and mounting bracket.	4,178.92	113.00
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3016	EA	Carbon Monoxide Gas Detector (MSA Ultima X A-ULTIMAX-PLA1204S10000100) Note: Includes 0-500 PPM CO Sensor, LCD, LEDs, 3 wire 4-20mA HART output, no relays and mounting bracket.	4,178.92	113.00
		For OnBoard Relays, Add	*484.12*	
		For Built In 120 Volt AC / 24 Volt DC Power Supply, Add	*920.86*	
46 82 83 00-3017	EA	Analog/HART Ouput, Combustible, Infra-Red 5% Methane Sensor, Stainless Steel "New Technology" Gas Monitor (MSA UltimaX5000F000AA000) Note: Price Includes Delivery ($10.00)	6,929.56	113.00
46 82 83 00-3018	EA	Catalytic 5% Methane, Stainless Steel, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00060000)	5,926.29	113.00
46 82 83 00-3019	EA	0-50 PPM, Hydrogen Sulfide, Stainless Steel, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00021000)	6,035.47	113.00
46 82 83 00-3020	EA	Stainless Steel, Oxygen. Gas Monitor With Remote Junction Box (MSA UltimaX5000F00016000)	5,817.10	113.00
46 82 83 00-3021	EA	0-100 PPM, Stainless Steel, Carbon Monoxide, Gas Monitor With Remote Junction Box (MSA UltimaX5000F00010000)	6,035.47	113.00
		For Relays, Add	*436.74*	

46 82 83 00-3022 Analytical Equipment And Instrumentation (Powers) *(46 82 83 00-2902)*

46 82 83 00-3023	EA	Chlorination PID Controller, Analog Output, Five Digital Inputs. Model: Powers Process Control #555-20000BD000	3,904.56	70.62

46 82 83 00-3024 Analytical Equipment And Instrumentation (Pulsar, Inc.) *(46 82 83 00-2902)*

46 82 83 00-3025	EA	Level Monitoring System, Continuous Measurement Sensor For Liquids Or Slurries, Pulsar Model: Merit-80	2,211.96	56.50
46 82 83 00-3026	EA	Level Monitoring (Non-Isolation Output) Pulsar Model: Blackbox 130	1,687.22	56.50
46 82 83 00-3027	EA	Level Monitoring, Digital Communication - Modbus RTU Pulsar Model: Blackbox 134	1,818.40	56.50
46 82 83 00-3028	EA	Level Monitoring, Digital Communication - Profibus DP Pulsar Model: Blackbox 135	2,343.14	56.50
46 82 83 00-3029	EA	Level Controller System, For Liquid, Slurry Or Solids Pulsar Model: Vanguard 90	2,395.62	56.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3030	EA	Level Controller System, For Liquid Or Solids Pulsar Model: Vanguard 100	2,710.46	56.50
46 82 83 00-3031	EA	Flow, RTU And Pump Controller Pulsar Model: Zenith 140	3,838.65	56.50
46 82 83 00-3032	EA	Open Channel Flowmeter, Pulsar Model: Oracle 160	3,130.26	56.50
46 82 83 00-3033	EA	Open Channel Flowmeter With Velocity Input Pulsar Model: Oracle 160 Plus	3,655.00	56.50
46 82 83 00-3034	EA	Sewer Flow Monitor And Sensor Pulsar Model: N-Speedy Flow	5,609.65	56.50
46 82 83 00-3035	EA	dB3 With 5M Transducer, Pulsar Model: DB03-05	1,110.01	56.50
46 82 83 00-3036	EA	dB6 With 5M Transducer, Pulsar Model: DB06-05	1,267.43	56.50
46 82 83 00-3037	EA	dB10 With 5M Transducer, Pulsar Model: DB10-05	1,424.85	56.50
46 82 83 00-3038	EA	dB15 With 5M Transducer, Pulsar Model: DB15-05	2,028.30	56.50
46 82 83 00-3039	EA	dB25 With 5M Transducer, Pulsar Model: DB25-05	3,130.26	56.50
46 82 83 00-3040	EA	dB40 With 5M Transducer, Pulsar Model: DB40-05	4,835.66	56.50
46 82 83 00-3041	EA	Ultra PC Software Program And RS232-RJ11 Connection Lead Pulsar Model: PCULTRA SW	1,031.30	56.50

46 82 83 00-3042 Analytical Equipment And Instrumentation (Rosemount) *(46 82 83 00-2902)*

46 82 83 00-3043	EA	4-Wire pH Analyzer, LCD, 0-14pH Range, Model: Rosemount Analytical #1054BPH-01	2,541.93	56.50
		For Panel Mounting Kit, Add	*20.00*	
		For Mounting Bracket For Pipe, Add	*66.00*	
46 82 83 00-3044	EA	4-Wire pH Analyzer, HART Protocol, NEMA 4X, 0-14pH Range, Model: Rosemount Analytical #54PH-09	4,094.61	56.50
		For Panel Mounting Kit, Add	*35.00*	
		For Mounting Bracket For Pipe, Add	*35.00*	
46 82 83 00-3045	EA	pH Sensor, 10' Cable, Wetted Materials: TEZFEL, Glass, Ceramic And VITON. Model: Rosemount Analytical #399-07	981.95	28.25
		For Flow Cell, Chlorinated Polyvinyl Chloride (CPVC), 1" FNPT, Add	*140.00*	
46 82 83 00-3046	EA	pH Sensor, Insertion/Submersion With Integral Amplifier And Cable, 0-14pH Range. Model: Rosemount Analytical #385+-03-11	1,240.22	28.25
46 82 83 00-3047	EA	4-Wire ORP Analyzer, LCD, +/-1500mV Output Span. Model: Rosemount Analytical #1054BORP-01	2,541.93	56.50
46 82 83 00-3048	EA	4-Wire ORP Analyzer, HART Protocol, NEMA 4X, 0-14ph Range, +/-1400mV. Model: Rosemount Analytical #54ORP-09	4,094.61	56.50
		For Panel Mounting Kit, Add	*35.00*	
		For Mounting Bracket For Pipe, Add	*35.00*	
46 82 83 00-3049	EA	ORP Sensor, 10' Cable, wetting Materials: TEZFEL, Glass, Ceramic And VITON. Model: Rosemount Analytical #399-07	981.95	28.25
		For Flow Cell, Chlorinated Polyvinyl Chloride (CPVC), 1" FNPT, Add	*140.00*	
46 82 83 00-3050	EA	ORP Sensor, Insertion/Submersion With Integral Amplifier And Cable, +/- 1400mV. Model: Rosemount Analytical #385+-03-01	1,240.22	28.25
46 82 83 00-3051	EA	4-Wire Conductivity Analyzer, 2 Outlets, 4 Relays. Model: Rosemount Analytical #54C-08	3,218.35	56.50
		For Panel Mounting Kit, Add	*35.00*	
		For Mounting Bracket For Pipe, Add	*35.00*	
46 82 83 00-3052	EA	4-Wire Conductivity Analyzer, LCD. Model: Rosemount Analytical #1054BC-01	2,541.93	56.50
		For Mounting Bracket For Pipe, Add	*66.00*	
		For Mounting Bracket, Wall, With Junction Box, Add	*224.00*	
46 82 83 00-3053	EA	Conductivity Analyzer/Controller, HART Protocol. Model: Rosemount Analytical #54eC	4,094.61	56.50
46 82 83 00-3054	EA	Retractable Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Parts. Model: Rosemount Analytical #140-06	2,288.90	29.92
		For 316 Stainless Steel Ball Valve Kit, Add	*400.00*	
46 82 83 00-3055	EA	Insertion Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Materials. Model: Rosemount Analytical #141-06-13-54	1,105.18	29.92
46 82 83 00-3056	EA	Insertion Conductivity Sensor, 0.2 And 1.0 Cell Constant, 316 Stainless Steel Wetted Materials. Model: Rosemount Analytical #142-03-13-54	1,289.66	29.92
46 82 83 00-3057	EA	4-Wire Total Free Residual Chlorine Analyzer, LCD, Isolated Output. Model: Rosemount Analytical #1054BCL-01	3,418.20	56.50
46 82 83 00-3058	EA	Chlorine Sensor, 25' Cable, 1" MNPT Process Connections. Model: Rosemount Analytical #1054BCL-01	2,147.47	29.92

46 82 83 00-3059 Analytical Equipment And Instrumentation (Sierra) *(46 82 83 00-2902)*

46 82 83 00-3060 Gas Detection System Sensors *(46 82 83 00-3059)*

46 82 83 00-3061	EA	Catalytic Bead, Combustible Gas Sensor Module (Sierra 5100-02-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,255.50	56.50
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Conformal Transmitter (02), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3062	EA	Oxygen Gas Sensor Module (Sierra 5100-03-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,667.52	56.50
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3063	EA	Carbon Monoxide Gas Sensor Module (Sierra 5100-04-IT) Note: Includes A1/A2 Aluminum Enclosure)	2,770.53	56.50
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3064	EA	Hydrogen Sulfide Gas Sensor Module (Sierra 5100-05-IT)	2,770.53	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3065	EA	Chlorine Gas Sensor Module (Sierra 5100-06-IT)	2,770.53	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3066	EA	Chlroine Dioxide Gas Sensor Module (Sierra 5100-08-IT)	2,770.53	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3067	EA	Sulfur Dioxide Gas Sensor Module (Sierra 5100-10-IT)	2,770.53	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3068	EA	Nitrogen Dioxide Gas Sensor Module (Sierra 5100-12-IT)	2,770.53	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3069	EA	Hydrogen Chloride Gas Sensor Module (Sierra 5100-21-IT)	3,326.76	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3070	EA	Ammonia Gas Sensor Module (Sierra 5100-25-IT)	3,326.76	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3071	EA	Hydrogen Fluoride Gas Sensor Module (Sierra 5100-26-IT)	3,821.18	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3072	EA	0-20 PPM, Ethylene Oxide Gas Sensor Module (Sierra 5100-27-IT)	2,770.53	56.50
		Note: Includes A1/A2 Aluminum Enclosure)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3073	EA	Infra-Red, Combustible Gas Sensor Module (Sierra 5100-28-IT)	3,491.56	56.50
		Note: Includes Type 01 Standard (Methane)		
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Conformal Transmitter (02), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3074	EA	Carbon Dioxide Gas Sensor Module (Sierra 5100-88-IT)	3,491.56	56.50
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3075	EA	Analog/Digital Transmitter (Sierra 5100-99-IT)	2,140.20	36.16
		For 3/4" NPT Stainless Steel Enclosure (S1), Add	*319.32*	
		For 3/4" NPT Stainless Steel Enclosure (S2), Add	*319.32*	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	

46 82 83 00-3076 Gas Detection System Control Panels *(46 82 83 00-3059)*

Note: Includes DC 24V Power and Sentry InSite Proto-Air WiFi

46 82 83 00-3077	EA	8-Channel Controller (Sierra 5000-08-IT)	6,369.49	113.00
		For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add	*852.57*	
		For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add	*1,663.34*	
		For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add	*1,838.87*	
		For Enclosure Model 4; RACK Chassis (6 stacks max), Add	*852.57*	
		For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add	*852.57*	
		For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add	*1,637.78*	
		For Stacks Model 11; Analog Input (16 inputs), Add	*2,546.28*	
		For Stacks Model 22; PSG (16 inputs), Add	*2,066.22*	
		For Stacks Model 3; Modbus RTU (32 inputs), Add	*2,066.22*	
		For Stacks Model 444; Relay (8A) (8 relays), Add	*1,377.48*	
		For Stacks Model 555; Analog Output (16 outputs), Add	*1,377.48*	
		For Stacks Model 666; Digital Input (8 inputs), Add	*1,377.48*	
		For Stacks Model 777; Carrier Only (8 relays), Add	*1,377.48*	
		For Power Model A32; AC 110/220 32ch, Add	*999.68*	
		For Power Model D08; DC 24 Volt with 8 Hour BBU, Add	*5,215.70*	
		For HMI Model 0; Sentry InSite, Add	*173.86*	
		For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	*702.11*	
46 82 83 00-3078	EA	16-Channel Controller (Sierra 5000-16-IT)	9,901.12	169.50
		For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add	*852.57*	
		For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add	*1,663.34*	
		For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add	*1,838.87*	
		For Enclosure Model 4; RACK Chassis (6 stacks max), Add	*852.57*	
		For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add	*852.57*	
		For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add	*1,637.78*	
		For Stacks Model 11; Analog Input (16 inputs), Add	*2,546.28*	
		For Stacks Model 22; PSG (16 inputs), Add	*2,066.22*	
		For Stacks Model 3; Modbus RTU (32 inputs), Add	*2,066.22*	
		For Stacks Model 444; Relay (8A) (8 relays), Add	*1,377.48*	
		For Stacks Model 555; Analog Output (16 outputs), Add	*1,377.48*	
		For Stacks Model 666; Digital Input (8 inputs), Add	*1,377.48*	
		For Stacks Model 777; Carrier Only (8 relays), Add	*1,377.48*	
		For Power Model A32; AC 110/220 32ch, Add	*999.68*	
		For Power Model D08; DC 24 Volt with 8 Hour BBU, Add	*5,215.70*	
		For HMI Model 0; Sentry InSite, Add	*173.86*	
		For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	*702.11*	
46 82 83 00-3079	EA	32-Channel Controller (Sierra 5000-32-IT)	15,121.16	225.99
		For Enclosure Model 1; NEMA 1 Enclosure (3 stacks max), Add	*852.57*	
		For Enclosure Model 2; NEMA 4 SS Enclosure (3 stacks max), Add	*1,663.34*	
		For Enclosure Model 3; NEMA 4X GRP Enclosure (4 stacks max), Add	*1,838.87*	
		For Enclosure Model 4; RACK Chassis (6 stacks max), Add	*852.57*	
		For Enclosure Model 5; 5383-00 Retrofit Kit (2 stacks max), Add	*852.57*	
		For Enclosure Model 6; 5383-01 Retrofit Kit (6 stacks max), Add	*1,637.78*	
		For Stacks Model 11; Analog Input (16 inputs), Add	*2,546.28*	
		For Stacks Model 22; PSG (16 inputs), Add	*2,066.22*	
		For Stacks Model 3; Modbus RTU (32 inputs), Add	*2,066.22*	
		For Stacks Model 444; Relay (8A) (8 relays), Add	*1,377.48*	
		For Stacks Model 555; Analog Output (16 outputs), Add	*1,377.48*	
		For Stacks Model 666; Digital Input (8 inputs), Add	*1,377.48*	
		For Stacks Model 777; Carrier Only (8 relays), Add	*1,377.48*	
		For Power Model A32; AC 110/220 32ch, Add	*999.68*	
		For Power Model D08; DC 24 Volt with 8 Hour BBU, Add	*5,215.70*	
		For HMI Model 0; Sentry InSite, Add	*173.86*	
		For HMI Model 6; Sentry InSite Proto-Air Cellular (excl cellular data plan), Add	*702.11*	

46 82 83 00-3080 Gas Detection System Spare Parts *(46 82 83 00-3059)*

46 82 83 00-3081	EA	24 Volt DC, Red, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL44067) Note: Spare Part	271.93
46 82 83 00-3082	EA	24 Volt DC, Green, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44068) Note: Spare Part	271.93
46 82 83 00-3083	EA	24 Volt DC, Yellow, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44063) Note: Spare Part	271.93
46 82 83 00-3084	EA	24 Volt DC, Blue, Panel Mounted, LED Dome Lens For Sentry IT Fire And Gas Controller (Sierra SPL 44070) Note: Spare Part	271.93
46 82 83 00-3085	EA	22mm, Red, Panel Sealed, Pushbutton SPDT Switch For Sentry IT Fire And Gas Controller (Sierra SPL 48086) Note: Spare Part	226.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3086	EA	10A SLO-BLO Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 49140) Note: Spare Part	20.60	
46 82 83 00-3087	EA	3A, Class CC, Time Delay Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 49185) Note: Spare Part	51.50	
46 82 83 00-3088	EA	DIN Rail, Terminal Block Fuse Holder For Sentry IT Fire And Gas Controller (Sierra SPL 59135) Note: Spare Part	103.00	
46 82 83 00-3089	EA	Class CC, UL List, Holder Fuse For Sentry IT Fire And Gas Controller (Sierra SPL 69072) Note: Spare Part	154.51	
46 82 83 00-3090	EA	Quarter-Turn With Screw Driver, Latch For Sentry IT Fire And Gas Controller (Sierra SPL 69218) Note: Spare Part	309.02	
46 82 83 00-3091	EA	24 Volt AC/24 Volt DC, 10 Amperes, Power Supply For Sentry IT Fire And Gas Controller (Sierra SPL 69231) Note: Spare Part	1,225.76	
46 82 83 00-3092	EA	Sentry InSite Appliance (Sierra FPC-N38-0027) Note: Spare Part	3,090.15	
46 82 83 00-3093	EA	5.7" TFT, LCD, PXA270 Touch Panel For Sentry IT Fire And Gas Controller (Sierra SPL 25077) Note: Spare Part	3,905.95	
46 82 83 00-3094	EA	ARM Sentry IT, CPU Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21918) Note: Spare Part	3,090.15	
46 82 83 00-3095	EA	Modbuc RTU RS485, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21901) Note: Spare Part	3,399.16	
46 82 83 00-3096	EA	Sentry PSG Bus, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21900) Note: Spare Part	3,090.15	
46 82 83 00-3097	EA	Relay 8A Or DO, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21899) Note: Spare Part	3,090.15	
46 82 83 00-3098	EA	Digital Input, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21898) Note: Spare Part	3,090.15	
46 82 83 00-3099	EA	Analog Input, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21896) Note: Spare Part	3,090.15	
46 82 83 00-3100	EA	Analog Output, Assembly Stack For Sentry IT Fire And Gas Controller (Sierra SPL 21897) Note: Spare Part	3,090.15	
46 82 83 00-3101	EA	Rainshield For Sentry IT Fire And Gas Controller (Sierra 5311-00) Note: Spare Part	57.68	
46 82 83 00-3102	EA	Rainshield With Calibration Port For Sentry IT Fire And Gas Controller (Sierra 5311-02) Note: Spare Part	115.37	
46 82 83 00-3103	EA	NEMA 12, IT Power Supply For Sentry IT Fire And Gas Controller (Sierra 5333-00) Note: Spare Part	1,611.00	
46 82 83 00-3104	EA	Duct Mount Fitting For Sentry IT Fire And Gas Controller (Sierra 5394-00) Note: Spare Part	222.49	
46 82 83 00-3105	EA	Remote Sensor Kit For Sentry 5100-28-IT-A1 Controller (Sierra 5394-50-A1) Note: Spare Part	1,091.85	
		For Sentry RS-485, 4-20mA, DI And Relays (02), Add	*226.61*	
		For HAR/RS-485/4-20mA/2A Relay Assembly (05), Add	*226.61*	
		For Conformal Sensor (01), Add	*82.40*	
		For Severe Service Environment (03), Add	*247.21*	
46 82 83 00-3106	EA	Remote Sensor Kit For Sentry 5100-28-IT-S1 Controller (Sierra 5394-50-S1) Note: Spare Part	1,856.15	
46 82 83 00-3107	EA	Remote Sensor Kit For Sentry 5100-02-IT-A1 Controller (Sierra 5394-51-A1) Note: Spare Part	741.64	
46 82 83 00-3108	EA	Remote Sensor Kit For Sentry 5100-02-IT-S1 Controller (Sierra 5394-51-S1) Note: Spare Part	1,027.99	
46 82 83 00-3109	EA	Remote Sensor Kit For Sentry 5100-02-IT-S2 Controller (Sierra 5394-51-S2) Note: Spare Part	974.43	
46 82 83 00-3110	EA	Remote Sensor Kit For Sentry5100-XX-IT-A1 Controller (Sierra 5394-52-A1) Note: Spare Part	562.41	
46 82 83 00-3111	EA	Remote Sensor Kit For Sentry 5100-XX-IT-S1 Controller (Sierra 5394-52-S1) Note: Spare Part	677.77	
46 82 83 00-3112	EA	Sample Draw Assembly For Sentry IT Fire And Gas Controller (Sierra 5398-01) Note: Spare Part	1,347.31	
46 82 83 00-3113	EA	Sample Draw/Dilution Assembly For Sentry IT Fire And Gas Controller (Sierra 5398-02) Note: Spare Part	1,897.35	
46 82 83 00-3114	EA	1-Channel, Sample Draw System For Sentry IT Fire And Gas Controller (Sierra 5398-21) Note: Spare Part	5,154.37	
46 82 83 00-3115	EA	Sample Draw Fitting For Sentry IT Fire And Gas Controller (Sierra 5399-01) Note: Spare Part	764.30	
46 82 83 00-3116	EA	2" Pipe Mounted Sensor Bracket For Sentry 5100-XX-IT Series, IME (Sierra SPL21877) Note: Spare Part	179.23	
46 82 83 00-3117	EA	2" Pipe Mounted Sensor Bracket For Sentry 5100-XX-IT Series, Limatherm (Sierra SPL21920) Note: Spare Part	179.23	
46 82 83 00-3118	EA	Ceiling Mount Assembly For Sentry IT Fire And Gas Controller (Sierra SPL68002) Note: Spare Part	84.46	
46 82 83 00-3119	EA	1" x 3", Stainless Steel Tag For Sentry IT Fire And Gas Controller (Sierra SPX39128-1) Note: Spare Part	94.76	
46 82 83 00-3120	EA	1" x 3" Red, Phenolic, Engraved Tag For Sentry IT Fire And Gas Controller (Sierra SPX39177) Note: Spare Part	65.92	
46 82 83 00-3121	EA	Type A Gas Sensor Calibrator Kit (Sierra 1250-01) Note: Spare Part	793.14	
46 82 83 00-3122	EA	Type B Gas Sensor Calibrator Kit (Sierra 1250-02) Note: Spare Part	2,970.66	
46 82 83 00-3123	EA	Type C Gas Sensor Calibrator Kit (Sierra 1250-03) Note: Spare Part	1,804.65	
46 82 83 00-3124	EA	Type X Gas Sensor Calibrator Kit (Sierra 1250-99) Note: Spare Part	1,759.33	
46 82 83 00-3125	EA	Air, (A), 105L Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-00) Note: Spare Part	412.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3126	EA	50% LEL, (A), 105L, Methane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-02) Note: Spare Part	412.02	
46 82 83 00-3127	EA	100 PPM, (A), 105L, CO Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-04) Note: Spare Part	412.02	
46 82 83 00-3128	EA	25PPM, (A), 57L, H2S-N2Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-05) Note: Spare Part	484.12	
46 82 83 00-3129	EA	5 PPM, (C), 104L, Cl2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-06) Note: Spare Part	1,277.26	
46 82 83 00-3130	EA	50 PPM, (B), 74L, SO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-10) Note: Spare Part	999.15	
46 82 83 00-3131	EA	10 PPM, (B), 74L, NO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-12) Note: Spare Part	999.15	
46 82 83 00-3132	EA	1,000 PPM, (A), 105L, CO Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-13) Note: Spare Part	484.12	
46 82 83 00-3133	EA	50% LEL, (A), 105L, Propane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-28) Note: Spare Part	484.12	
46 82 83 00-3134	EA	50% Vol, (A), 105L, Methane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-29) Note: Spare Part	484.12	
46 82 83 00-3135	EA	4 Channel, 25% LEL, (A), 105L, Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-30) Note: Spare Part	504.72	
46 82 83 00-3136	EA	35% LEL, (A), 105L , Propane Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-31) Note: Spare Part	999.15	
46 82 83 00-3137	EA	50% LEL, (A), 105L, H2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-42) Note: Spare Part	412.02	
46 82 83 00-3138	EA	2,000 PPM, (A), 105L, CO2 Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-80) Note: Spare Part	412.02	
46 82 83 00-3139	EA	Non-Standard Gas Type Gas Cylinder For Sentry IT Fire And Gas Controller (Sierra 1260-99) Note: Spare Part	1,266.96	
46 82 83 00-3140	EA	Permeation Type Calibrator For Sentry IT Fire And Gas Controller (Sierra 9210-00) Note: Spare Part	3,337.36	
46 82 83 00-3141	EA	H2S Permeation Tube For Sentry IT Fire And Gas Controller (Sierra 9211-01) Note: Spare Part	1,874.69	
46 82 83 00-3142	EA	NH3 Permeation Tube For Sentry IT Fire And Gas Controller (Sierra 9211-09) Note: Spare Part	1,874.69	
46 82 83 00-3143	EA	Standard Calibration Adapter For Sentry IT Fire And Gas Controller (Sierra 5358-01) Note: Spare Part	76.22	
46 82 83 00-3144	EA	IT Calibration And Configuration Magnetic Tool For Sentry IT Fire And Gas Controller (Sierra 5358-50) Note: Spare Part	37.08	
46 82 83 00-3145	EA	Fixed Calibration Gas Delivery Fitting (Sierra 5360-00) Note: Spare Part	88.58	
46 82 83 00-3146	EA	1250 Calibrator Series Case (Sierra 1255-01) Note: Spare Part	463.52	
46 82 83 00-3147	EA	36" PTFE Calibration Tubing (Sierra 1255-02) Note: Spare Part	41.20	
46 82 83 00-3148	EA	Type A Regulator For 1250 Calibrator Series (Sierra 1256-01) Note: Spare Part	360.52	
46 82 83 00-3149	EA	Type B Regulator For 1250 Calibrator Series (Sierra 1256-02) Note: Spare Part	2,678.13	
46 82 83 00-3150	EA	Type C Regulator For Calibrator 1250 Series (Sierra 1256-03) Note: Spare Part	1,545.08	
46 82 83 00-3151	EA	Type A, Custom Flow Regulator (Sierra 1256-98) Note: Spare Part	927.04	
46 82 83 00-3152	EA	Delivery Tube And Fitting For Model 1200-26 (Sierra SPB22048) Note: Spare Part	57.68	
46 82 83 00-3153	EA	SPB24001 1290-XX Cylinders Calibrator (Sierra SPB24001) Note: Spare Part	1,071.25	
46 82 83 00-3154	EA	Plastic Carrying Case For Model 1200-26 (Sierra SPB32064) Note: Spare Part	109.19	
46 82 83 00-3155	EA	0-2 SCFH Flow Meter (Sierra SPB64001) Note: Spare Part	226.61	
46 82 83 00-3156	EA	3' Delivery Tube For Model 9210-00 (Sierra SPB64011) Note: Spare Part	14.42	
46 82 83 00-3157	EA	3/4" NPT To M20 x 1.5, Stainless Steel, Adapter Fitting (Sierra 39128) Note: Spare Part	51.69	
46 82 83 00-3158	EA	% LEL, Aluminum, Combustibles Sensor Assembly (Sierra 5200-02-IT-AL) Note: Spare Part	731.34	
46 82 83 00-3159	EA	% LEL, Stainless Steel, Combustibles Sensor Assembly (Sierra 5200-02-IT-SS) Note: Spare Part	854.94	
46 82 83 00-3160	EA	Sensor For Model 5100-03-IT (Sierra 5200-03-IT) Note: Spare Part	679.83	
46 82 83 00-3161	EA	Sensor For Model 5100-04-IT (Sierra 5200-04-IT) Note: Spare Part	844.64	
46 82 83 00-3162	EA	Sensor For Model 5100-05-IT(Sierra 5200-05-IT) Note: Spare Part	906.44	
46 82 83 00-3163	EA	Sensor For Model 5100-06-IT (Sierra 5200-06-IT) Note: Spare Part	1,060.95	
46 82 83 00-3164	EA	Sensor For Model 5100-08-IT (Sierra 5200-08-IT) Note: Spare Part	1,060.95	
46 82 83 00-3165	EA	Sensor For Model 5200-10-IT (Sierra 5200-10-IT) Note: Spare Part	1,122.75	
46 82 83 00-3166	EA	Sensor For Model 5200-12-IT (Sierra 5200-12-IT) Note: Spare Part	1,060.95	
46 82 83 00-3167	EA	Sensor For Model 5100-25-IT (Sierra 5200-25-IT) Note: Spare Part	2,781.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3168	EA	Sensor For Model 5100-26-IT (Sierra 5200-26-IT) Note: Spare Part	3,131.35	
46 82 83 00-3169	EA	%LEL, IR Combustibles, Aluminum Sensor Assembly (Sierra 5200-28-IT-AL) Note: Spare Part	1,555.38	
46 82 83 00-3170	EA	%LEL, IR Combustibles, Stainless Steel Sensor Assembly (Sierra 5200-28-IT-SS) Note: Spare Part	1,854.09	
46 82 83 00-3171	EA	3/4" NPT to M20, ATEX, Stainless Steel Adapter Fitting (Sierra 68023) Note: Spare Part	113.31	
46 82 83 00-3172	EA	IR Transmitter Assembly For Model 5100-28-IT (Seirra SPL21806) Note: Spare Part	1,606.88	
46 82 83 00-3173	EA	Aluminum Enclosure For IT Series (Sierra SPL21810) Note: Spare Part	515.02	
46 82 83 00-3174	EA	Transmitter Assembly For Model 5100-02-IT (Sierra SPL21813) Note: Spare Part	1,586.28	
46 82 83 00-3175	EA	Stainless Steel Enclosure For IT Series (Sierra SPL21823) Note: Spare Part	597.43	
46 82 83 00-3176	EA	Transmitter Assembly For Model 5100-XX-IT, Toxics (Sierra SPL21824) Note: Spare Part	1,606.88	
46 82 83 00-3177	EA	Interface Board Without Relay For Model 5100-XX-IT (Sierra SPL21825) Note: Spare Part	463.52	
46 82 83 00-3178	EA	Interface Board With Relay For Model 5100-XX-IT (Sierra SPL21829) Note: Spare Part	638.63	
46 82 83 00-3179	EA	Aluminum Sensor Assembly For Model 5100-05-IT (Sierra SPL21830) Note: Spare Part	1,503.87	
46 82 83 00-3180	EA	Aluminum Sensor Assembly For Model 5100-04-IT (Sierra SPL21832) Note: Spare Part	1,503.87	
46 82 83 00-3181	EA	Aluminum Sensor Assembly For Model 5100-06/08-IT (Sierra SPL21833) Note: Spare Part	1,617.18	
46 82 83 00-3182	EA	Aluminum Sensor Assembly For Model 5100-03-IT (Sierra SPL21834) Note: Spare Part	1,524.47	
46 82 83 00-3183	EA	Plastic Sensor Assembly For Model 5100-25-IT (Sierra SPL21840) Note: Spare Part	2,307.31	
46 82 83 00-3184	EA	Aluminum Sensor Assembly For Model 5100-10-IT (Sierra SPL21844) Note: Spare Part	1,617.18	
46 82 83 00-3185	EA	Aluminum Sensor Assembly For Model 5100-12-IT (Sierra SPL21845) Note: Spare Part	1,617.18	
46 82 83 00-3186	EA	HART Interface Board For IT Series (Sierra SPL21876) Note: Spare Part	556.23	
46 82 83 00-3187	EA	Stainless Steel Sensor Assembly For Model 5100-05-IT (Sierra SPL27074) Note: Spare Part	1,617.18	
46 82 83 00-3188	EA	Stainless Steel Enclosure For Model 4501 (Sierra SPL27077) Note: Spare Part	515.02	
46 82 83 00-3189	EA	Stainless Steel Sensor Assembly For Model 5100-03-IT (Sierra SPL27082) Note: Spare Part	1,617.18	
46 82 83 00-3190	EA	Stainless Steel Sensor Assembly For Model 5100-04-IT (Sierra SPL27083) Note: Spare Part	1,617.18	
46 82 83 00-3191	EA	Stainless Steel Sensor Assembly For Model 5100-06/08-IT (Sierra SPL27084) Note: Spare Part	1,720.18	
46 82 83 00-3192	EA	Aluminum Enclosure For Model 4501 (Sierra SPL27085) Note: Spare Part	432.62	
46 82 83 00-3193	EA	Stainless Steel Sensor Assembly For Model 5100-10-IT (Sierra SPL27087) Note: Spare Part	1,720.18	
46 82 83 00-3194	EA	Stainless Steel Sensor Assembly For Model 5100-12-IT (Sierra SPL27088) Note: Spare Part	1,720.18	
46 82 83 00-3195	EA	IR Combus Sensor Element For Model 5100-28-IT (Sierra SPL33062) Note: Spare Part	1,102.15	
46 82 83 00-3196	EA	Remote Sensor Cable For Model 5394-52 (Sierra SPL53050) Note: Plus $3.00/LF (Spare Parts)	115.37	
46 82 83 00-3197	EA	Remote Sensor Cable For Model 5394-50 IR (Sierra SPL53051) Note: Plus $3.00/LF (Spare Parts)	115.37	
46 82 83 00-3198	EA	Remote Sensor Kit Cable For Model 5394-51 (Sierra SPL53057) Note: Plus $3.00/LF (Spare Parts)	115.37	
46 82 83 00-3199	EA	CO Sensor For Models 4501-04, 5100-04-IT (Sierra SPM33030) Note: Spare Part	844.64	
46 82 83 00-3200	EA	H2S Sensor For Models 4501-05, 5100-05-IT (Sierra SPM33041) Note: Spare Part	906.44	
46 82 83 00-3201	EA	O2 Sensor For Models 4501-03, 5100-03-IT (Sierra SPM33044) Note: Spare Part	679.83	
46 82 83 00-3202	EA	CL2 Sensor For Models 4501-06, 5100-06/08-IT (Sierra SPM33050) Note: Spare Part	1,060.95	
46 82 83 00-3203	EA	SO2 Sensor For Models 4501-10, 5100-10-IT (Sierra SPM33052) Note: Spare Part	1,122.75	
46 82 83 00-3204	EA	NO2 Sensor For Models 4501-12, 5100-12-IT (Sierra SPM33054) Note: Spare Part	1,060.95	
46 82 83 00-3205	EA	Sensor Recharge Kit For Model 4101/5100-25 (Sierra SPX27057) Note: Spare Part	463.52	
46 82 83 00-3206	EA	Sensor Recharge Kit For Model 4101/5100-26 (Sierra SPX27061) Note: Spare Part	535.63	
46 82 83 00-3207	EA	Membrane Filter For Model 5100/4101-25 (Sierra SPX57009) Note: Spare Part	267.81	
46 82 83 00-3208	EA	Electrolyte For Model 5100/4101-25 (Sierra SPX99017) Note: Spare Part	288.41	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3209		**Analytical Equipment And Instrumentation (Weir)** *(46 82 83 00-2902)*		
46 82 83 00-3210	EA	420 GPM, 5 PSI, Aluminum With Rubber Liner, Single Cyclone (Weir 1500C) Note: Includes rubber liner, free-standing stainless steel supports, 0-30 PSI stainless steel pressure gauges, and stainless steel hardware.	60,738.07	1,167.11
46 82 83 00-3211	EA	700 GPM, 5 PSI, Aluminum With Rubber Liner, Single Cyclone (Weir 2000C) Note: Includes rubber liner, free-standing stainless steel supports, 0-30 PSI stainless steel pressure gauges, and stainless steel hardware.	119,687.71	1,705.78
46 82 83 00-3212	EA	18" Full Flare Classifier (Weir WEMCO Hydrogritter) Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 3 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).	146,091.16	2,034.97
46 82 83 00-3213	EA	24" Full Flare Classifier (Weir WEMCO Hydrogritter) Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 3 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).	264,111.72	3,591.11
46 82 83 00-3214	EA	30" Full Flare Classifier (Weir WEMCO Hydrogritter) Note: Includes stainless steel tank & supports, single pitch steel spiral with Ni-hard wear shoes, stainless steel belt and spiral guards, NEMA 7 safety stop enclosure, stainless steel explosion proof sluice water valve enclosure, 5 HP 1800 RPM severe duty explosion proof motor, and stainless steel side mounted transition feed box(es).	377,468.65	5,266.97
46 82 83 00-3215		**Analytical Equipment And Instrumentation (Yokogawa)** *(46 82 83 00-2902)*		
46 82 83 00-3216	EA	2-Wire General Purpose ORP Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #PH202G-U-E/PIN/U/Q	3,295.21	56.50
46 82 83 00-3217	EA	4-Wire ORP Converter, Mounting Bracket Included. Model: Yokogawa #PH402G-U-E/PIN/U/Q	3,341.33	56.50
46 82 83 00-3218	EA	Universal pH/ORP Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #FU20-05-T1NPT/FS	843.84	29.92
46 82 83 00-3219	EA	2-Wire General Purpose Conductivity Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #SC200G-C-U-E*B/U	3,295.21	56.50
46 82 83 00-3220	EA	4-Wire Conductivity Converter, Mounting Bracket Included. Model: Yokogawa #SC402G-E-1-E/Q/PIN/Q/PM/U	3,341.33	56.50
46 82 83 00-3221	EA	4-Wire Conductivity Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #SC41-SH24	723.93	29.92
		For 20' Cable, Add	*85.00*	
		For Each Additional LF Of Cable Extension, Add	*2.25*	
46 82 83 00-3222	EA	2-Wire General Purpose pH Transmitter, 4-20mA, Including Mounting Hardware. Model: Yokogawa #PH202G-U-E/PIN/U/Q	3,295.21	56.50
46 82 83 00-3223	EA	4-Wire pH Converter, Mounting Bracket Included. Model: Yokogawa #PH402G-U-E/PIN/U/Q	3,341.33	56.50
46 82 83 00-3224	EA	Universal pH/ORP Sensor, 20' Cable, Chemical Resistant. Model: Yokogawa #FU20-05-T1NPT/FS	843.84	29.92
		For Each Additional LF Of Cable Extension, Add	*2.25*	
46 82 83 00-3225		**Analytical Equipment And Instrumentation (YSI)** *(46 82 83 00-2902)*		
46 82 83 00-3226		**IQ System 2020 Controllers and Module** *(46 82 83 00-3225)*		
46 82 83 00-3227	EA	100-240 Volt AC And USB Power Supply Interface, 5 Free IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 026Y, MIQ/TC 2020 3G-MC3)	7,871.71	113.00
46 82 83 00-3228	EA	3 Current Outputs, 3 Relay Outputs, 100-240 Volt AC And USB Power Supply Interface, 5 IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 022Y, MIQ/TC 2020 3G-H3)	6,481.57	113.00
46 82 83 00-3229	EA	6 Current Outputs, 100-240 Volt AC And USB Power Supply Interface, 5 IQ Sensor Net Connections, System 2020 XT 20 Channel Terminal/Controller (YSI 470 024Y, MIQ/TC 2020 3G-H3 C6)	6,481.57	113.00
46 82 83 00-3230	EA	System 2020 3G Terminal/Controller Only (YSI 470 020Y, MIQ/TC 2020 3G) Note: Used As redundant (back up) controller. Complete with USB interface. No modules included.	4,694.27	113.00
46 82 83 00-3231	EA	Extended Warranty, 2020 Terminal Controllers, 1 Additional Year (YSI Ext-War-2020-1)	535.63	
46 82 83 00-3232	EA	Extended Warranty, 2020 Terminal Controllers, 2 Additional Years (YSI Ext-War-2020-2)	1,071.25	
46 82 83 00-3233		**2020 System Modules** *(46 82 83 00-3225)*		
46 82 83 00-3234	EA	2 Free IQ SensorNet Connections In Module Housing, Automatic Barometric Pressure Compensation, USB Interface (IP67), Ethernet RJ45 Interface (IP 67)Module IQ/Microcontroller For System 2020 XT (YSI 471 020Y, MIQ/MC3)	3,135.99	71.19
46 82 83 00-3235	EA	2 Free IQ SensorNet Connections, RS-485 MODBUS Connection, Automatic Barometric Pressure Compensation, USB Interface (IP 67), Ethernet Interface (IP 67), Module IQ/Microcontroller For System 2020 XT (YSI 471 022Y, MIQ/MC3-MOD)	5,332.70	71.19
46 82 83 00-3236	EA	2 Free IQ SensorNet Connections, RS-485 PROFIBUS Connection, Automatic Barometric Pressure Compensation, USB Interface (IP 67), Ethernet Interface (IP 67), Module IQ/Microcontroller For System 2020 XT (YSI 471 023Y, MIQ/MC3-PR)	5,642.19	71.19
46 82 83 00-3237	EA	RS-485 MODBUS Connection, 2 Free IQ SensorNet Connections, Automatic Barometric Pressure Compensation, Module IQ (YSI 471 026Y, MIQ/3-MOD)	4,748.54	71.19
46 82 83 00-3238	EA	RS-485 PROFIBUS Connection, 2 Free IQ SensorNet Connections, Automatic Barometric Pressure Correction For DO, Module IQ (YSI 471 027Y, MIQ/3-PR)	4,947.13	71.19
46 82 83 00-3239	EA	4 IQ Sensor Net Connections, Passive Junction Box (YSI 480 008Y, MIQ/JB) Note: Used with 182 and 2020XT.	660.66	42.37
46 82 83 00-3240	EA	6 Analog Outputs, 2 IQ Sensor Net Connection, Output Module (YSI 480 015Y, MIQ/C6) Note: Used with 182 and 2020XT.	2,027.85	70.62
46 82 83 00-3241	EA	3 Analog And 3 Relay, 2 IQ Sensor Net Connection, Output Module (YSI 480 014Y, MIQ/CR3) Note: Used with 182 and 2020XT.	1,575.07	70.62
46 82 83 00-3242	EA	6 Relays, 2 IQ Sensor Net Connections, Relay Module (YSI 480 013Y, MIQ/R6) Note: Used with 182, 184XT and 2020XT.	1,878.91	70.62
46 82 83 00-3243	EA	100-240 Volt AC, 18 Watt, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 004Y, MIQ/PS) Note: Used with 2020XT.	1,154.06	70.62
46 82 83 00-3244	EA	2 Analog Inputs, 2 IQ Sensor Net Connections, Input Module (YSI 480 016Y, MIQ/IC2) Note: Used with 2020XT. For adding other equipment to IQ System.	1,332.79	70.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3245	EA	4 IQ Sensor Net Connections, Junction Box With Amplifier (YSI 480 010Y, MIQ/JBR) Note: Used with 2020XT.	1,276.29	42.37
46 82 83 00-3246	EA	24V AC/DC, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 006Y, MIQ/24V) Note: Used with 2020XT.	1,551.24	70.62
46 82 83 00-3247	EA	3 IQ Sensor Net Connections, RS232 Interface Module (YSI 480 020Y, MIQ/IF232) Note: Used with 182 and 2020XT. For service only. Ability to update 182s, 184s and 2020s. Ability to direct connect to a PC for 2020 XTs only. You cannot connect to a modem. Includes RS-232 cable and software.	1,769.69	70.62
46 82 83 00-3248	EA	2 IQ Sensor Net Connections, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: Used with 182, 184XT and 2020XT.	1,690.25	70.62
46 82 83 00-3249	EA	USB/RS232 Port, Ethernet Adapter Set (YSI 902 887Y, MIQ/TM/SET) Note: Used with 2020XT. No ability to update 182s, 184s and 2020s. Ability to direct connect to a PC for 2020s only. You can connect to a modem. Includes software. Excludes LAN adapter.	1,185.81	7.06
46 82 83 00-3250	EA	3 IQ SensorNet Connection, Radio Module (YSI 480 025Y, MIQ/WL PS Set) Note: For wireless communication. Used with 182 and 2020XT. Order additional secondary modules, 480 023Y as needed. Includes primary and secondary radio modules with integrated power supply.	3,000.95	70.62
46 82 83 00-3251	EA	3 IQ SensorNet Connections, Secondary Radio Module (YSI 480 023Y, MIQ/WL PS) Note: For communicating to an existing primary module. Used with 183 and 2020XT. Includes integrated power supply.	1,749.83	70.62
46 82 83 00-3252		**IQ System 182 Controllers** *(46 82 83 00-3225)*		
46 82 83 00-3253	EA	3 Relays, Two 4-20mA Outputs, 100-240 Volt AC, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 000Y, DIQ/S 182)	3,316.14	113.00
46 82 83 00-3254	EA	5 Relays, Four 4-20mA Outputs, 100-240 Volt AC, 3 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 001Y, DIQ/S 182XT)	3,903.27	113.00
46 82 83 00-3255	EA	Profibus Output, 100-240 Volt AC, 2 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 002Y, DIQ/S 182-PR)	3,707.56	113.00
46 82 83 00-3256	EA	Modbus Output, 100-240 Volt AC, 2 IQ Sensor Net Connections, System 182, 1-2 Channel Controller (YSI 472 003Y, DIQ/S 182-MOD)	3,707.56	113.00
46 82 83 00-3257	EA	3 Relays, Two 4-20 mA Outputs, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 010Y, DIQ/S 182/24V)	3,573.65	113.00
46 82 83 00-3258	EA	5 Relays, Four 4-20 mA Outputs, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 011Y, DIQ/S 182XT/24V)	4,119.58	113.00
46 82 83 00-3259	EA	Profibus Output, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 012Y, DIQ/S 182/24V-PR)	4,140.18	113.00
46 82 83 00-3260	EA	Modbus Output, 24 V, 1 IQ Sensor Net Connection, System 182, 1-2 Channel Controller (YSI 472 013Y, DIQ/S 182/24V-MOD)	4,037.17	113.00
46 82 83 00-3261	EA	6 Relays, Five 4-20mA Outputs, 100-240 Volt AC, 3 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 015Y, DIQ/S 182 XT-4)	4,212.28	113.00
46 82 83 00-3262	EA	3 Relays, Profibus-DP, 100-240 Volt AC, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 017Y, DIQ/S 182 XT-4-PR)	4,459.50	113.00
46 82 83 00-3263	EA	3 Relays, ModBUS RTU/RS 485, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 019Y, DIQ/S 182 XT-4-MOD)	4,335.89	113.00
46 82 83 00-3264	EA	6 Relays, Five 4-20mA Outputs, 24V AC/DC, 3 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 021Y, DIQ/S 182 XT-4/24V)	4,459.50	113.00
46 82 83 00-3265	EA	3 Relays, Profibus-DP, 24V AC/DC, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 023Y, DIQ/S 182 XT-4/24V PR)	4,789.11	113.00
46 82 83 00-3266	EA	3 Relays, ModBUS RTU/RS 485, 24V, 6 IQ Sensor Net Connections, System 182XT 4 Channel Controller (YSI 472 024Y, DIQ/S 182 XT-4/24V MOD)	4,603.70	113.00
46 82 83 00-3267		**IQ System 282 Modules** *(46 82 83 00-3225)*		
46 82 83 00-3268	EA	System 282 Junction Box (YSI 472 005Y, DIQ/JB) Note: Used with 182. Only for use with 182's, non-stackable, needs mounting.	299.23	42.37
46 82 83 00-3269	EA	1 Relay, System 282 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) Note: Used with 182. For use with plant air.	1,312.93	70.62
46 82 83 00-3270	EA	100-240 Volt AC, 18 Watt, 3 IQ Sensor Net Connections, Power Supply Module (YSI 480 004Y, MIQ/PS) Note: Used with 182 and 2020XT.	1,312.93	70.62
46 82 83 00-3271	EA	4 IQ Sensor Net Connections, Passive Junction Box (YSI 480 008Y, MIQ/JB) Note: Used with 182 and 2020XT.	898.97	42.37
46 82 83 00-3272	EA	6 Relays, 2 IQ Sensor Net Connections, Relay Module (YSI 480 013Y, MIQ/R6) Note: Used with 182, 184XT and 2020XT.	1,928.56	70.62
46 82 83 00-3273	EA	3 Analog, 3 Relay, 2 IQ Sensor Net Connections, Output Module (YSI 480 014Y, MIQ/CR3) Note: Used with 182 and 2020XT.	1,769.69	70.62
46 82 83 00-3274	EA	6 Analog Outputs, 2 IQ Sensor Net Connections, Output Module (YSI 480 015Y, MIQ/C6) Note: Used with 182 and 2020XT.	2,107.29	70.62
46 82 83 00-3275	EA	3 IQ Sensor Net Connections, RS232 Interface Module (YSI 480 020Y, MIQ/IF232) Note: Used with 182 and 2020XT. When used with 182, for software updates only. For service only. Includes RS-232 cable and software.	1,749.83	70.62
46 82 83 00-3276	EA	2 IQ Sensor Net Connections, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: Used with 182 and 2020XT.	1,731.96	70.62
46 82 83 00-3277	EA	D-SUB Connection For Profibus And Modbus Connections (YSI 902 888Y, ADA/D-SUB) Note: Used with 182 and 2020XT IQ SensorNet System.	599.97	7.06
46 82 83 00-3278	EA	3 IQ SensorNet Connections, Radio Module (YSI 480 025Y, MIQ/WL PS Set) Note: For wireless communication. Used with 182 and 2020XT. Order additional secondary modules, 480 023Y as needed. Includes primary and secondary radio modules with integrated power supply.	3,100.24	70.62
46 82 83 00-3279	EA	3 IQ SensorNet Connections, Secondary Radio Module (YSI 480 023Y, MIQ/WL PS) Note: For communicating to an existing primary module. Used with 183 and 2020XT. Includes integrated power supply.	1,779.62	70.62
46 82 83 00-3280		**IQ System 282 Controllers** *(46 82 83 00-3225)*		
46 82 83 00-3281	EA	3 Relays, Three Current Outputs, 2 IQ Sensor Connections, System 282 IQ SensorNet Controller (YSI 472 110Y, DIQ/S 282-CR3)	3,820.47	113.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3282	EA	PROFIBUS Output, 2 IQ Sensor Net Connections, System 282, IQ SensorNet Controller (YSI 472 111Y, DIQ/S 282-PR)	4,340.77	113.00
46 82 83 00-3283	EA	3 Relays, MODBUS, 2 IQ Sensor Net Connections, System 282, IQ SensorNet Controller (YSI 472 112Y, DIQ/S 282-MOD)	4,340.77	113.00
46 82 83 00-3284	EA	3 Relays, Three Current Output, 2 IQ Sensor Connections, RJ45 Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 113Y, DIQ/S 282-CR3-E)	4,555.25	113.00
46 82 83 00-3285	EA	3 Relays, 2 IQ Sensor Connections, Ethernet Fieldbus Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 114Y, DIQ/S 282-EF)	4,555.25	113.00
46 82 83 00-3286	EA	3 Relays, Three Current Outputs, 24V AC/DC, 2 IQ Sensor Connections, System 282, IQ SensorNet Controller (YSI 472 120Y, DIQ/S 282-CR3/24V)	4,555.25	113.00
46 82 83 00-3287	EA	3 Relays, PROFIBUS, 24V AC/DC, 2 IQ Sensor Connections, System 282, IQ SensorNet Controller (YSI 472 121Y, DIQ/S 282-PR/24V)	4,614.83	113.00
46 82 83 00-3288	EA	3 Relays, MODBUS, 24V AC/DC, 2 IQ Sensor Connections, IQ SensorNet Controller (YSI 122Y, DIQ/S 282-MOD/24V)	4,614.83	113.00
46 82 83 00-3289	EA	Extended Warranty, 282 Terminal Controllers, 1 Additional Year (YSI Ext-War-282-1)	391.42	
46 82 83 00-3290	EA	3 Relays, 24V AC/DC, 2 IQ Sensor Connections, RJ45 Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 123Y, DIQ/S 282-CR3-E/24V)	4,833.28	113.00
46 82 83 00-3291	EA	Extended Warranty, 282 Terminal Controllers, 2 Additional Years (YSI Ext-War-282-2)	782.84	
46 82 83 00-3292	EA	3 Relays, 24V AC/DC, 2 IQ Sensor Connections, Ethernet Fieldbus Internet And Remote Control, System 282, IQ SensorNet Controller (YSI 472 124Y, DIQ/S 282-EF/24V)	4,833.28	113.00

46 82 83 00-3293 IQ System 284 Controllers *(46 82 83 00-3225)*

46 82 83 00-3294	EA	6 Relays, Six Current Output, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 130Y, DIQ/S 284-CR6)	4,614.83	113.00
46 82 83 00-3295	EA	3 Relays, PROFIBUS, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 131Y, DIQ/S 284-PR)	5,031.87	113.00
46 82 83 00-3296	EA	3 Relays, MODBUS, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 132Y, DIQ/S 284-MOD)	5,031.87	113.00
46 82 83 00-3297	EA	6 Relays, Six Current Output, 4 IQ Sensor Connections, RJ45 Internet And Remote Control, System 284, IQ SensorNet Controller (YSI 472 133Y, DIQ/S 284-CR6-E)	5,031.87	113.00
46 82 83 00-3298	EA	3 Relays, 4 IQ Sensor Connections, Ethernet Fieldbus, System 284, IQ SensorNet Controller (YSI 472 134Y, DIQ/S 284-EF)	5,031.87	113.00
46 82 83 00-3299	EA	6 Relays, 24V AC/DC, Six Current Outputs, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 140Y, DIQ/S 284-CR6/24V)	5,230.46	113.00
46 82 83 00-3300	EA	3 Relays, PROFIBUS, 24V AC/DC, 4 IQ Sensor Connections System 284, IQ SensorNet Controller (YSI 472 141Y, DIQ/S 284-PR/24V)	5,230.46	113.00
46 82 83 00-3301	EA	3 Relays, MODBUS, 24V AC/DC, 4 IQ Sensor Connections, System 284, IQ SensorNet Controller (YSI 472 142Y, DIQ/S 284-MOD/24V)	5,230.46	113.00
46 82 83 00-3302	EA	6 Relays, 24V AC/DC, 4 Sensor Connections, Six Current Output, RJ45 Internet And Remote Control, System 284, IQ SensorNet Controller (YSI 472 143Y, DIQ/S 284-CR6-E/24V)	5,230.46	113.00
46 82 83 00-3303	EA	3 Relays, 24V AC/DC, 4 IQ Sensor Connections, Ethernet Fieldbus And Remote Control, System 284, IQ SensorNet Controller (YSI 472 144Y, DIQ/S 284-EF/24V)	5,230.46	113.00

46 82 83 00-3304 Mounting Hardware for Controllers *(46 82 83 00-3225)*

46 82 83 00-3305	EA	Pivoting Wall Mounting (YSI 109 275Y, BE/M 170-D)	329.02	14.69
46 82 83 00-3306	EA	Plastic, IQ Sun Shield (YSI 109 295Y, SSH/IQ) Note: Mounts directly to Vario Mounting Stands or requires 109 286Y to mount on hand railing. For 2020 And 182 Module mounting, also used for mounting air cleaning box.	415.50	14.13
46 82 83 00-3307	EA	25-60 mm Diameter Rail Mounting Kit For SD/M 170, SD/K 170 And SSH/IQ Sun Shields (YSI 109 286Y, MR/SD 170) Note: Used with 109 284Y and 109 295Y.	306.28	14.13
46 82 83 00-3308	EA	Sun Shield For Outdoor Installation Of Junction Boxes (YSI 109 284Y, SD/K 170) Note: Used with 109 286Y. Requires 109 286Y. Order separately.	296.35	14.13
46 82 83 00-3309	EA	Top Hat Rail Mounting For IQ Modules (YSI 480 050Y, THS/IQ) Note: Din rail mounting system.	147.40	14.13
46 82 83 00-3310	EA	Wall Mount Kit For IQ Modules (YSI 480 052Y, WMS/IQ)	147.40	14.13
46 82 83 00-3311	EA	Panel Mount Kit For IQ Modules (YSI 480 048Y, PMS/IQ)	99.74	14.13
46 82 83 00-3312	EA	Mounting Plate For Two DIQ Modules (YSI 472 009Y, MS/DIQ) Note: Requires 109 286Y. Order separately.	187.12	14.13
46 82 83 00-3313	EA	M16 Male To 1/2" NPT Female Stainless Steel Conduit Adapter (YSI 480 053USY)	87.83	14.13
46 82 83 00-3314	EA	3/4" Diameter, CC-Box, Flexible Conduit Adapter For IQ Module Connections (YSI 900 120Y, CC-BOX)	127.55	14.13
46 82 83 00-3315	EA	3/4" Diameter, CC-PM, Conduit Adapter For IQ Profibus/Modbus Connections (YSI 900 125Y, CC-PM)	127.55	14.13
46 82 83 00-3316	EA	Vario Wall Mounting Stand (YSI 109 283Y, BE/ST 170-M)	1,517.67	14.13
46 82 83 00-3317	EA	Double Sun Shield (YSI 109 287Y, SD/M170-D) Note: For mounting two monitors. Requires one 109 286Y (order separately).	697.78	14.13
46 82 83 00-3318	EA	Double Junction Clamp For Vario Mounting Stands (YSI 109 290Y, MS/KK 170)	643.88	14.13

46 82 83 00-3319 Sensor Cleaning Modules And Options *(46 82 83 00-3225)*

46 82 83 00-3320	EA	115 Volt AC, Cleaner Air Box Assembly (YSI 480 017Y, CLEANING AIR BOX-115 VAC) Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. Order 109 286Y and 109 295Y separately for mounting the 480 017Y. Uses one relay from IQ network.	3,219.39	70.62
46 82 83 00-3321	EA	Cleaning Head Assembly For IQ Sensors (YSI 900 107Y, CH) Note: Includes15 M of tubing.	1,134.20	70.62
46 82 83 00-3322	EA	Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. For use with 184XT and 2020XT systems.	1,571.10	70.62
46 82 83 00-3323	EA	System 182 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) Note: Uses one relay contact for operation. For use with plant supplied air.	1,283.14	70.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3324		**Dissolved Oxygen - Optical** *(46 82 83 00-3225)*		
46 82 83 00-3325	EA	0 To 20 mG/L, Optical DO Probe For IQ System (YSI 201 650Y, FDO 700 IQ) Note: Order SACIQ cable separately.	3,957.25	42.37
46 82 83 00-3326	EA	0 To 20 mG/L, Fast Response Optical DO Probe For IQ System (YSI 201 660Y, FDO 701 IQ) Note: Order SACIQ cable separately.	3,957.25	42.37
46 82 83 00-3327	EA	0 To 20 mG/L, Seawater, Optical DO Probe For IQ System (YSI 201 652Y, FDO 700 IQ SW) Note: Order SACIQ cable separately.	3,957.25	42.37
46 82 83 00-3328	EA	0 To 20 mG/L, Seawater, Fast Response Optical DO Probe For IQ System (YSI 201 653Y, FDO 701 IQ SW) Note: Order SACIQ cable separately.	3,957.25	42.37
46 82 83 00-3329	EA	0 To 20 mG/L, Class I, Division 2, Groups A, B, C, D T6, Optical DO Probe For IQ System (YSI 207 065Y, FDO 700 IQ H) Note: Order MIQ/BB1 (207 001Y) and SACIQ separately. Must be connected to MIQ/BB1 to maintain Class I, Division 2 rating.	4,155.85	42.37
46 82 83 00-3330	EA	0 To 20 mG/L, Class I, Division 2, Groups A, B, C, D T6, Fast Response Optical DO Probe For IQ System (YSI 207 066Y, FDO 701 IQ H) Note: Order MIQ/BB1 (207 001Y) and SACIQ separately. Must be connected to MIQ/BB1 to maintain Class I, Division 2 rating.	4,155.85	42.37
46 82 83 00-3331	EA	Barrier Box Module For FDO 700(1) IQ H (YSI 207 001Y, MIQ/BB1) Note: Used with 207 065Y and 207 066Y.	879.11	42.37
46 82 83 00-3332	EA	IQ FDO 700 IQ Probe Replacement Cap (YSI 201 654Y, SC-FDO 700)	415.50	14.13
46 82 83 00-3333	EA	IQ FDO 701 IQ Fast Response Probe Replacement Cap (YSI 201 655Y, SC-FDO 701)	415.50	14.13
46 82 83 00-3334	EA	Protective Guard For FDO Probes (YSI 205 253Y, MSK FDO)	415.50	14.13
46 82 83 00-3335	EA	Cleaning Kit For Connection Of The Protective Hood To A Valve Modules Or Cleaning Air Box (YSI 205 254Y, MSK FDO CS)	387.25	
46 82 83 00-3336		**Electrochemical Membrane Style** *(46 82 83 00-3225)*		
46 82 83 00-3337	EA	0 To 60 mG/L, 0.0 Resolution, Electrochemical DO Probe For IQ System (YSI 201 640Y, TriOxmatic® 700 IQ) Note: Order SACIQ cable separately.	3,659.37	42.37
46 82 83 00-3338	EA	Electrochemical DO Probe For IQ System, Salt Water (YSI 201 641Y, TriOxmatic® 700 IQ SW) Note: Order SACIQ cable separately.	3,679.23	42.37
46 82 83 00-3339	EA	0 To 20 mG/L, 0.0 Resolution, Fast Responding, Electrochemical DO Probe For IQ System (YSI 201 644Y, TriOxmatic® 701 IQ) Note: Order SACIQ cable separately.	3,679.23	42.37
46 82 83 00-3340	EA	0 To 2000 PPB, 0-10 mG/L, Electrochemical DO Probe For IQ System (YSI 201 646Y, TriOxmatic® 702 IQ) Note: Order SACIQ cable separately.	5,684.99	42.37
46 82 83 00-3341	EA	Maintenance Kit For TriOxmatic 600, 690, 700, 700 IN Probes (YSI 202 620Y, ZBK 600)	615.63	
46 82 83 00-3342	EA	Maintenance Kit For TriOxmatic 601, 701, 702 Probes (YSI 202 621Y, ZBK 25i)	615.63	
46 82 83 00-3343	EA	Membrane Head Assemblies For Models 600/700 (2 EA) (YSI 202 850Y, WP 600/2)	387.25	
46 82 83 00-3344	EA	Membrane Head Assemblies For Models 701, 702 (2 EA) (YSI 202 852Y, WP 25i/2)	387.25	
46 82 83 00-3345	EA	50 mL, Cleaning Solution For Ag-Electrode (YSI 205 200Y, RL-AG/Oxi)	218.45	
46 82 83 00-3346	EA	50 mL, Electrolyte Solution For TriOxmatic 600/700 Series Probes (YSI 205 212Y, ELY/A)	188.66	
46 82 83 00-3347	EA	Protective Membrane Guard For TriOxmatic And CellOx Probes (YSI 205 251Y, MSK 600)	275.46	14.13
46 82 83 00-3348	EA	Cathode Cleaner (Abrasive Foil) For TriOxmatic Dissolved Oxygen Probes (YSI 203 680Y, SF 300)	79.44	
46 82 83 00-3349	EA	Cleaning Cup For TriOxmatic Probes (YSI 202 510Y, RA 600)	297.88	
46 82 83 00-3350		**Interface Level Detection** *(46 82 83 00-3225)*		
46 82 83 00-3351	EA	Digital, Ultrasonic Probe With Automatic Cleaning Wiper For Interface Level Detection (YSI 481 200Y, IFL 700 IQ) Note: Used with 2020XT. Order SACIQ cable separately.	5,943.15	42.37
46 82 83 00-3352	EA	Digital, Ultrasonic Probe For Interface Level Detection (YSI 481 201Y, IFL 701 IQ) Note: Used with 2020XT. Order SACIQ cable separately.	5,684.99	42.37
46 82 83 00-3353		**Total Suspended Solids And Turbidity** *(46 82 83 00-3225)*		
46 82 83 00-3354	EA	Turbidity Probe For IQ System (YSI 600 010Y, VisoTurb 700 IQ) Note: Order SACIQ cable separately.	7,035.40	42.37
46 82 83 00-3355	EA	Turbidity Probe For Seawater Design IQ System (YSI 600 011Y, VisoTurb 700 IQ SW) Note: Order SACIQ cable separately.	7,829.76	42.37
46 82 83 00-3356	EA	Suspended Solids Probe For IQ System (YSI 600 012Y, ViSolid 700 IQ) Note: Order SACIQ cable separately.	7,829.76	42.37
46 82 83 00-3357	EA	Suspended Solids Probe For Seawater Design IQ System (YSI 600 013Y, ViSolid 700 IQ SW) Note: Order SACIQ cable separately.	9,219.89	42.37
46 82 83 00-3358	EA	Class I, Division 2, Group D T6 Rated, Suspended Solids Probe For IQ System (YSI 207 012Y, ViSolid 700 IQ H) Note: Order MIQ/BB2 and SACIQ separately. Must be connected to MIQ/BB2 (207 002Y) to maintain CI, D2 rating.	8,018.42	42.37
46 82 83 00-3359	EA	Barrier Box Module For ViSolid 700 IQ H (YSI 207 002Y, MIQ/BB2) Note: Used with 207 012Y.	879.11	42.37
46 82 83 00-3360		**Ammonium** *(46 82 83 00-3225)*		
46 82 83 00-3361	EA	Reference Electrode, Ammonium Electrode, AmmoLyt Plus Ammonium Probe (YSI 107 071YK, AmmoLyt Plus Set) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,238.46	42.37
46 82 83 00-3362	EA	Reference Electrode, Ammonium Electrode, Potassium Electrodes, AmmoLyt Plus Ammonium Probe (YSI 107 072YK, AmmoLyt Plus set/comp) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,446.98	42.37
46 82 83 00-3363	EA	AmmoLyt Plus Ammonium Probe (YSI 107 070Y, AmmoLyt Plus 700 IQ) Note: Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	9,110.67	42.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3364	EA	AmmoLyt Plus Ammonium Reference Electrode (YSI 107 042Y, VARiON Ref) Note: Used with 107 070Y and 170 040Y.	1,693.33	42.37
46 82 83 00-3365	EA	0.1 To 1,000 mG/L, Ammonium Measuring Electrode For VARiON Plus And AmmoLyt Plus 700 IQ Probes (YSI 107 044Y, VARiON Plus NH4) Note: Used with 107 070Y and 170 040Y.	1,216.71	42.37
46 82 83 00-3366	EA	1 To 1,000 mG/L, Potassium Compensating Electrode For VARiON Plus And AmmoLyt Plus 700 IQ Probes (YSI 107 046Y, VARiON Plus K) Note: Used with 107 070Y and 170 040Y.	1,216.71	42.37
46 82 83 00-3367	EA	1,000 mL, Low Concentration Standard Solution For VARiON Plus, AmmoLyt Plus, And NitraLyt Plus 700 IQ Probes (YSI 107 050Y, VARiON/ES-1) Note: Used for sensor check and storage.	158.87	
46 82 83 00-3368	EA	1,000 mL, High Concentration Standard For VARiON Plus, AmmoLyt Plus And NitraLyt Plus 700 IQ Probes (YSI 107 052Y, VARiON/ES-2) Note: Used for sensor check.	158.87	

46 82 83 00-3369 Nitrate *(46 82 83 00-3225)*

46 82 83 00-3370	EA	Reference Electrode, Nitrate Electrode, NitraLyt Plus Nitrate Probe (YSI 107 081YK, NitraLyt Plus Set) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,238.46	42.37
46 82 83 00-3371	EA	Reference Electrode, Nitrate Electrode, Chloride Electrode, NitraLyt Plus Nitrate Probe (YSI 107 082YK, NitraLyt Plus Set/Comp) Note: Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	12,635.64	42.37
46 82 83 00-3372	EA	NitraLyt Plus Nitrate Probe (YSI 107 080Y, NitraLyt Plus 700 IQ) Note: Requires nitrate reference and measuring electrodes and cable assembly. Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	10,004.32	42.37
46 82 83 00-3373	EA	NitraLyt Plus Nitrate Reference Electrode (YSI 107 042Y, VARiON Ref) Note: Used with 107 070Y, 107 080Y and 107 040Y.	1,693.33	42.37
46 82 83 00-3374	EA	0.1 To 1,000 mG/L, Nitrate Measuring Electrode (YSI 107 045Y, VARiON Plus NO3) Note: For VARiON Plus, NitraLyt And?NitraLyt Plus 700 IQ Probes. Used with 107 080Y and 107 040Y.	1,276.29	42.37
46 82 83 00-3375	EA	1 To 1,000 mG/L, Chloride Compensating Electrode (YSI 107 047Y, VARiON Plus Cl) Note: For VARiON Plus And NitraLyt Plus 700 IQ Probes. Used with 107 080Y and 107 040Y.	1,276.29	42.37
46 82 83 00-3376	EA	1,000 mL, Low Concentration Standard Solution (YSI 107 050Y, VARiON/ES-1) Note: For VARiON Plus, AmmoLyt Plus, and NitraLyt Plus 700 IQ probes. Used for sensor check and storage.	178.73	
46 82 83 00-3377	EA	1,000 mL, High Concentration Standard Solution (YSI 107 052Y, VARiON/ES-2) Note: For VARiON Plus, AmmoLyt Plus and NitraLyt Plus 700 IQ probes. Used for sensor check.	178.73	

46 82 83 00-3378 VARiON Plus 700 IQ Combination Sensor For Ammonium And Nitrate *(46 82 83 00-3225)*

46 82 83 00-3379	EA	VARiON Plus Probe (YSI 107 066YK, VARiON®PlusAN/A set) Note: Includes reference electrode, and electrodes for ammonium, nitrate and potassium. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	14,422.95	42.37
46 82 83 00-3380	EA	VARiON Plus Ammonium Kit (YSI 107 060YK, VARiON®Plus A comp set) Note: Includes VARiON Plus Probe, reference electrode, ammonium electrode and potassium compensating electrode. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	13,871.51	
46 82 83 00-3381	EA	VARiON Plus Probe (YSI 107 068YK, VARiON®Plus AN/N set) Note: Includes reference electrode, and electrodes for ammonium, nitrate and chloride. Order electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	14,422.95	42.37
46 82 83 00-3382	EA	VARiON Plus Nitrate Kit (YSI 107 062YK, VARiON®Plus N comp set) Note: Includes VARiON Plus Probe, reference electrode, nitrate electrode and chloride compensating electrode. Order SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	13,871.51	
46 82 83 00-3383	EA	VARiON Plus Probe (YSI 107 040Y, VARiON Plus 700 IQ) Note: Requires ion selective electrodes, reference and compensating electrodes. Order Electrodes and SACIQ cable separately. For dirty process applications, add MIQ/CHV Plus (480 018Y) and CH (900 107Y).	10,451.15	42.37
46 82 83 00-3384	EA	VARiON Reference Electrode (YSI 107 042Y, VARiON Ref) Note: Used with 107 070Y, 107 080Y and 107 040Y.	1,792.62	42.37
46 82 83 00-3385	EA	0.1 To 1,000 mG/L, Ammonium Measuring Electrode (YSI 107 044Y, VARiON Plus NH4) Note: For VARiON Plus and AmmoLyt Plus 700 IQ probes. Used with 107 070Y and 170 040Y.	1,296.15	42.37
46 82 83 00-3386	EA	0.1 To 1,000 mG/L, Nitrate Measuring Electrode (YSI 107 045Y, VARiON Plus NO3) Note: For VARiON Plus, NitraLyt and?NitraLyt Plus 700 IQ probes. Used with 107 080Y and 107 040Y.	1,296.15	42.37
46 82 83 00-3387	EA	1 To 1,000 mG/L, Potassium Compensating Electrode (YSI 107 046Y, VARiON Plus K) Note: For VARiON Plus and AmmoLyt Plus 700 IQ probes. Used with 107 070Y and 170 040Y.	1,296.15	42.37
46 82 83 00-3388	EA	1 To 1,000 mG/L, Chloride Compensating Electrode (YSI 107 047Y, VARiON Plus Cl) Note: For VARiON Plus and NitraLyt Plus 700 IQ probes. Used with 107 080Y and 107 040Y.	1,296.15	42.37
46 82 83 00-3389	EA	1,000 mL, Low Concentration Standard Solution (YSI 107 050Y, VARiON/ES-1) Note: For VARiON Plus, AmmoLyt Plus, and NitraLyt Plus 700 IQ probes. Used for sensor check and storage.	178.73	
46 82 83 00-3390	EA	1,000 mL, High Concentration Standard Solution (YSI 107 052Y, VARiON/ES-2) Note: For VARiON Plus, AmmoLyt Plus and NitraLyt Plus 700 IQ probes. Used for sensor check.	178.73	
46 82 83 00-3391	EA	Protective Hood (YSI 107 056Y, VARiON 700 IQ-SK) Note: For VARiON Sensor Electrodes	385.71	14.13
46 82 83 00-3392	EA	1 Box Spanner For Electrodes, 1 Blind Plug, 3 Spare O-rings, 1 Vessel For Wet Storage, Spare Parts Kit (YSI 107 057Y, VARiON Epack)	164.81	
46 82 83 00-3393	EA	Maintenance And Calibration Case (YSI 107 058Y, VARiON Case) Note: For VARiON 700 IQ.	659.23	

46 82 83 00-3394 pH And ORP *(46 82 83 00-3225)*

46 82 83 00-3395	EA	IQ Probe, pH Or ORP Probe With Amplifier (YSI 109 170Y, SensoLyt® 700 IQ) Note: Order pH or ORP Electrode and SACIQ cable separately.	1,971.35	42.37
46 82 83 00-3396	EA	Salt Water Design, IQ Probe, pH Or ORP Probe With Amplifier (YSI 109 171Y, SensoLyt® 700 IQ SW) Note: Order pH or ORP Electrode and SACIQ cable separately.	2,090.51	42.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3397	EA	2 To 12 pH, pH Electrode With Built In Reference (YSI 109 115Y, SensoLyt SEA) Note: For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. SEA Electrode is designed for wastewater.	1,107.49	42.37
46 82 83 00-3398	EA	2 To 12 pH, pH Electrode With Built In Reference (YSI 109 117Y, SensoLyt ECA) Note: For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y.	998.26	42.37
46 82 83 00-3399	EA	Up To 145 PSIG, 4 To 12 pH, pH Electrode With Built In Reference (YSI 109 118Y, SensoLyt SEA-HP) Note: For high-pressure. For SensoLyt 690/700 and SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. SEA-HP is designed for high pressure.	1,107.49	42.37
46 82 83 00-3400	EA	2 To 12 pH, pH Electrode With Built In Reference (YSI 109 119Y, SensoLyt DWA) Note: For SensoLyt 690/700 And SensoLyt 700 IQ. Used with 109 170Y and 109 171Y. DWA Electrode is designed for drinking water applications.	1,008.19	42.37
46 82 83 00-3401	EA	+/- 1,000 mV, ORP Electrode With Built In Reference (YSI 109 125Y, SensoLyt PtA) Note: For SensoLyt 690/700. Used with 109 170Y and 109 171Y.	1,266.36	42.37
46 82 83 00-3402		**Conductivity** *(46 82 83 00-3225)*		
46 82 83 00-3403	EA	Submersible Conductivity Probe (YSI 302 500Y, TetraCon® 700 IQ) Note: For IQ System, requires cable assembly.	2,487.69	42.37
46 82 83 00-3404	EA	Salt Water Design, Submersible Conductivity Probe (YSI 302 501Y, TetraCon® 700 IQ SW) Note: For IQ System, requires cable assembly.	2,924.59	42.37
46 82 83 00-3405		**UV - Single Wavelength With Compensation Wavelength** *(46 82 83 00-3225)*		
46 82 83 00-3406	EA	Optical UV Absorption Probe (YSI 481 036Y, IQ UVT-254 701) Note: For UVT-254/SAC (total and soluble) with correlated parameters: COD, BOD, DOC and TOC, 1 mm path length, with integrated ultrasonic cleaning. Reports one parameter at a time. Supplied with multifunctional slide and shock-absorption-rings, Without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	26,119.90	42.37
46 82 83 00-3407	EA	Optical UV Absorption Probe (YSI 481 038Y, IQ UVT-254 705) Note: For UVT-254/SAC (total and soluble) with correlated parameters: COD, BOD, DOC and TOC, 5 mm path length, with integrated ultrasonic cleaning. Reports one parameter at a time. Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	24,829.06	42.37
46 82 83 00-3408	EA	IQ SensorNet Optical UV NOx Probe (YSI 481 034Y, IQ NOx 701) Note: With integrated ultrasonic cleaning, 1 mm gap. Nitrate measuring range: 0.0-100.0 mG/L NOx-N), Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	30,071.84	42.37
46 82 83 00-3409	EA	IQ SensorNet Optical UV NOx Probe (YSI 481 035Y, IQ NOx 705) Note: With integrated ultrasonic cleaning, 5 mm gap. Nitrate measuring range: 0.0-20.0 mG/L NOx-N), Supplied with multifunctional slide and shock-absorption-rings, without connection cable (SACIQ order separately). Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	30,121.49	42.37
46 82 83 00-3410		**UV And UV/VIS Spectral Sensors** *(46 82 83 00-3225)*		
46 82 83 00-3411	EA	Optical Nitrate Probe (YSI 481 044Y, NitraVis 701 IQ) Note: With spectral processing of UV/VIS range, for in-situ measurement in inlet/BNR part of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	32,057.74	42.37
46 82 83 00-3412	EA	Optical Nitrate And TSS Probe (YSI 481 045Y, NitraVis 701 IQ TS) Note: With spectral processing of UV/VIS range, for in-situ measurement in inlet/BNR part of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	35,354.33	42.37
46 82 83 00-3413	EA	Optical Nitrate Probe (YSI 481 046Y, NitraVis 705 IQ) Note: With spectral processing of UV/VIS range, for in-situ measurement in the effluent of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	32,057.74	42.37
46 82 83 00-3414	EA	Optical Nitrate And TSS Probe (YSI 481 047Y, NitraVis 705 IQ TS) Note: With spectral processing of UV/VIS range, for in-situ measurement in the effluent of municipal wastewater treatment plants, with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	36,049.40	42.37
46 82 83 00-3415	EA	IQ SensorNet Optical UV Nitrite/Nitrate Probe (YSI 481 056Y, Nitravis 701 IQ NI) Note: With integrate ultrasonic cleaning, 1 mm gap. For use in influent, biological tank and effluent of municipal wastewater treatment plants, Supplied with calibration chamber and shock-absorption rings. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	32,951.39	42.37
46 82 83 00-3416	EA	IQ SensorNet Optical UV Nitrite/Nitrate Probe (YSI 481 057Y, Nitravis 705 IQ NI) Note: With integrate ultrasonic cleaning, 5 mm gap. For use in effluent of municipal wastewater treatment plants, supplied with calibration chamber and shock-absorption rings. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	33,149.99	42.37
46 82 83 00-3417	EA	Optical Nitrate And COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 052Y, NiCaVis 705 IQ) Note: With spectral processing of the UV/Vis range, for use in effluent (municipal wastewater), with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	43,536.24	42.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3418	EA	Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 048Y, CarboVis 701 IQ) Note: With spectral processing of the UV/VIS range for use in influent/effluent/biological tank (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	37,965.79	42.37
46 82 83 00-3419	EA	Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 And TSS Probe (YSI 481 049Y, CarboVis 701 IQ TS) Note: With spectral processing of the UV/Vis range for use in influent/effluent/biological tank (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	41,808.51	42.37
46 82 83 00-3420	EA	Optical COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 Probe (YSI 481 050Y, CarboVis 705 IQ) Note: With spectral processing of the UV/Vis range for use in effluent (municipal wastewater) with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	38,452.34	42.37
46 82 83 00-3421	EA	Optical COD - Total And soluble/TOC/DOC/BOD/SAC - Total And Soluble/UVT-254 And TSS Probe (YSI 481 051Y, CarboVis 705 IQ TS) Note: With spectral processing of the UV/Vis range for use in effluent (municipal wastewater) with Integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	42,364.56	42.37
46 82 83 00-3422	EA	UV Nitrite/Nitrate/COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble And UVT - 254 Probe (YSI 481054Y, NiCaVis 701 IQ NI) Note: For use in influent, biological tank and effluent municipal wastewater treatment plants with integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	43,804.34	42.37
46 82 83 00-3423	EA	UV Nitrite/Nitrate/COD - Total And Soluble/TOC/DOC/BOD/SAC - Total And Soluble And UVT - 254 Probe (YSI 481055Y, NiCaVis 705 IQ NI) Note: For use in effluent of municipal wastewater treatment plants with Integrated ultrasonic cleaning. Mount with EH/W 171 - 173 with EH/WB. Mount with EH/P or EH/F with EH/U or VIS Set/EH. Mount with VIS Set-F with S200. Model 182 requires two power supplies.	44,668.21	42.37
46 82 83 00-3424	EA	Air Pressure Cleaning Set (YSI 481 075Y, SET/AP) Note: With connector and 15m air tubing.	357.46	
46 82 83 00-3425	EA	UVVIS Probes And IQ SensorNet Cleaning Kit (YSI 481 071Y, VIS/CT) Note: Includes 20 perforated textured cleaning cloths in two sizes for 1 mm and 5 mm gap Sensors.	357.46	
46 82 83 00-3426	EA	UVVIS Sensor Universal Cleaning Kit (YSI 481 079Y, VIS C/SET) Note: Includes 20 perforated textured (flocked) cleaning cloths in two sizes for 1 mm and 5 mm gap sensors. Includes cleaning solutions.	714.92	
46 82 83 00-3427	EA	1 mm Path Length, Old-style UVVIS Sensor Cleaning Brushes (YSI 481 031Y, VIS/Set Brushes/1mm) Note: (2) brushes. Used on discontinued version of UVVIS probe.	178.73	
46 82 83 00-3428	EA	5 mm Path Length, Old-style UVVIS Sensor Cleaning Brushes (YSI 481 032Y, VIS/Set Brushes/5mm) Note: (2) brushes. Used on discontinued version of UVVIS probe.	178.73	
46 82 83 00-3429	EA	UVVIS Calibration And Cleaning Chamber (YSI 481 074, VIS/CV)	635.49	
46 82 83 00-3430	EA	UV/VIS Probe Horizontal Mounting Kit With Swing Mount EH/F 170 (YSI 481 073Y, VIS Set/EH)	614.09	14.13
46 82 83 00-3431		**Cable Assemblies** *(46 82 83 00-3225)*		
46 82 83 00-3432	EA	4.9', IQ Sensor Connection Cable (YSI 480 040Y, SACIQ-1.5) Note: Salt water and regular cables are interchangeable with all probes.	427.42	14.13
46 82 83 00-3433	EA	22.9', IQ Sensor Connection Cable (YSI 480 042Y, SACIQ-7.0) Note: Salt water and regular cables are interchangeable with all probes.	486.99	14.13
46 82 83 00-3434	EA	49.2', IQ Sensor Connection Cable (YSI 480 044Y, SACIQ-15.0) Note: Salt water and regular cables are interchangeable with all probes.	622.48	28.25
46 82 83 00-3435	EA	65.6', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 045Y, SACIQ-20.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	691.99	28.25
46 82 83 00-3436	EA	82', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 066Y, SACIQ-25.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	1,158.67	28.25
46 82 83 00-3437	EA	164', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 060Y, SACIQ-50.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	1,466.49	28.25
46 82 83 00-3438	EA	246', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 067Y, SACIQ-75.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	1,722.53	42.37
46 82 83 00-3439	EA	328', IQ Sensor Connection Cable For Salt Water With SACIQ-Plug (YSI 480 062Y, SACIQ-100.0 SW) Note: Salt water and regular cables are interchangeable with all probes.	2,124.25	42.37
46 82 83 00-3440	EA	Special Order IQ Sensor Connection Cable (YSI 480 041VY, SACIQ-SO) Note: In increments up to 100 meters. Salt water and regular cables are interchangeable with all probes.	528.70	14.13
46 82 83 00-3441	M	Special Order IQ Sensor Connection Cable (YSI 480 041VY, SACIQ-SO) PER METER	15.84	0.71
46 82 83 00-3442	EA	Screw-in Protective Plug For SACIQ Sensor Cables (YSI 480 065Y, SACIQ-Plug) Note: Salt water and regular cables are interchangeable with all probes.	91.80	14.13
46 82 83 00-3443	M	Two Wire, With Shield, IQ Cable (YSI 480 046YM-XX, SNCIQ) Note: Salt water and regular cables are interchangeable with all probes.	31.21	0.71
46 82 83 00-3444	EA	820' Two Wire, With Shield, IQ Cable (YSI 480 070Y, SNCIQ-250) Note: Salt water and regular cables are interchangeable with all probes.	6,212.79	28.25
46 82 83 00-3445	EA	1640' Two Wire, With Shield, IQ Cable (YSI 480 072Y, SNCIQ-500) Note: Salt water and regular cables are interchangeable with all probes.	8,306.38	42.37
46 82 83 00-3446	EA	3,281' Two Wire, With Shield, IQ Cable (YSI 480 074Y, SNCIQ-1000) Note: Salt water and regular cables are interchangeable with all probes.	13,400.64	56.50
46 82 83 00-3447		**Mounting Hardware** *(46 82 83 00-3225)*		
46 82 83 00-3448	EA	Quick Release Stainless Steel Handrail Mounting Bracket For Sensors (YSI 245 8000Y, SMK) Note: 1-1/2" PVC couplers and end cap. Comprised of part 2458038Y and part numbers 559327-2Y, 559327-4Y and 559327-7Y.	862.33	14.13
46 82 83 00-3449	EA	Quick Release Stainless Steel Handrail Mounting Bracket For Sensors (YSI 245 8038M)	818.64	14.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3450	EA	Quick Release Stainless Steel Handrail Mounting Bracket For IFL, UV And UV-VIS Sensors (YSI 245 8039Y) Note: For use with 3/4" galvanized pipe. Used with IFL-D for IFL sensor mounting. Used with 109 362Y for UV and UV-VIS sensors.	723.31	14.13
46 82 83 00-3451	EA	Sensor Coupling For SACIQ Sensor Cable (YSI 559327-2Y) Note: Up to 1-1/2" Schedule 80 PVC pipe.	316.21	14.13
46 82 83 00-3452	EA	Slotted End Cap For Sensor Mounting Kit (YSI 559327-4Y)	236.77	14.13
46 82 83 00-3453	EA	PVC Coupler For Sensor Mounting Kit (YSI 559327-7Y)	97.76	14.13
46 82 83 00-3454	EA	Float With Pendulum Mounting Assembly (YSI 108 540Y, S 200) Note: Requires one 109 232Y and one 109 320Y.	2,470.91	14.13
46 82 83 00-3455	EA	Float With Pendulum Mounting Assembly For Two IQ 40 mm Diameter Probes (YSI 108 542Y, S 200/2) Note: Requires one 109 232Y and one 109 320Y per sensor.	3,503.57	14.13
46 82 83 00-3456	EA	Float With Pendulum Mounting Assembly For Four IQ 40 mm Diameter Probes (YSI 108 544Y, S 200/4) Note: Requires one 109 232Y and one 109 320Y per sensor.	3,489.22	14.13
46 82 83 00-3457	EA	Horizontal Mounting Kit For Mounting UV And UV/VIS Probes Onto S 200 Float (YSI 481 080Y, VIS Set-F) Note: Used with UV, UV/VIS.	643.88	14.13
46 82 83 00-3458	EA	Sensor Weight Ring (YSI 109 232Y, GWA) Note: Needed for S 200 float.	604.16	14.13
46 82 83 00-3459	EA	Single Sensor Holder, Chain Style Mounting (YSI 109 320Y, EH/U 170) Note: Need either 109 272Y or 109 273Y, and either 109 278Y or 109 279Y.	365.85	14.13
46 82 83 00-3460	EA	Twin Sensor Holder, Chain Style Mounting (YSI 109 323Y, EH2/U 170) Note: Need either 109 272Y or 109 273Y, and one of either 109 280Y, 109 281Y or 109 283Y.	475.08	14.13
46 82 83 00-3461	EA	Triple Sensor Holder, Chain Style Mounting (YSI 109 325Y, EH3/U 170) Note: Need either 109 272Y or 109 273Y, and one of either 109 280Y, 109 281Y or 109 283Y.	614.09	14.13
46 82 83 00-3462	EA	SensoClean Pendulum Mounting Assembly With Adjustable Boom (YSI 109 270Y, EH/P 170)	1,011.27	14.13
46 82 83 00-3463	EA	1.5 m Boom Length, SensoClean Swing Mounting Assembly (YSI 109 272Y, EH/F 170-1.5)	385.71	14.13
46 82 83 00-3464	EA	2.5 m Boom Length, SensoClean Swing Mounting Assembly (YSI 109 273Y, EH/F 170-2.5)	643.88	14.13
46 82 83 00-3465	EA	Chain Slide For EH/F 170 (YSI 109 291Y, CHS) Note: Used with IFL/UV/ UVVIS. Included with the purchase of EH/F 170.	224.85	14.13
46 82 83 00-3466	EA	Fixture Assembly For Direct Wall Mounting (YSI 109 274Y, EH/W 170) Note: Used with UA sensor holder, order separately.	1,289.30	14.13
46 82 83 00-3467	EA	Clamp Fixture For Direct Masonry Mounting Of Boom (YSI 109 276Y, BE/M 170)	536.64	14.13
46 82 83 00-3468	EA	No Pivot, Boom Or Pendulum Pipe Mount (YSI 109 278Y, BE/R 170) Note: Do not use if using a twin or triple sensor holder. Use BE/ST 170, -M, -R instead.	475.08	14.13
46 82 83 00-3469	EA	With Pivot, Boom Or Pendulum Pipe Mount (YSI 109 279Y, BE/R 170-D) Note: Do not use if using a twin or triple sensor holder. Use BE/ST 170, -M, -R instead.	485.01	14.13
46 82 83 00-3470	EA	Vario Concrete Floor Mounting Stand (YSI 109 280Y, BE/ST 170) Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum probe mount and two brackets for attaching a sun shield. Includes aluminum die cast base, wall plugs and screws.	1,438.24	14.13
46 82 83 00-3471	EA	Vario Vertical Or Horizontal Pipe Rail Mounting Stand (YSI 109 281Y, BE/ST 170-R) Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum probe mount and two brackets for attaching a sun shield.	1,370.72	14.13
46 82 83 00-3472	EA	Vario Wall Mounting Stand (YSI 109 283Y, BE/ST 170-M) Note: For mounting a EH/F 170 swing or EH/P 170 pendulum assembly. Supplied with joint-locking fixture to accommodate a swing or pendulum mounting assembly and two brackets for attaching a sun shield.	1,319.09	14.13
46 82 83 00-3473	EA	Pipe Bracket (YSI 109 289Y, MS/RKH 170) Note: For Installing Second Sensor Onto EH/P 170. Two required per sensor.	338.05	14.13
46 82 83 00-3474	EA	Double Junction Clamp (YSI 109 290Y, MS/KK 170) Note: For mounting additional EH/F or EH/P to a Vario mounting stand BE/ST 170-X.	604.16	14.13
46 82 83 00-3475	EA	Shackle For Chain Fitting (YSI 505 123Y, S/CH)	74.92	14.13
46 82 83 00-3476	EA	Chain (YSI 505 124Y-XX, CH/1)	77.90	14.13
46 82 83 00-3477	M	Chain (YSI 505 124Y-XX, CH/1) PER METER	39.15	0.71
46 82 83 00-3478	EA	One On-Line Sensor Installation Set (YSI 109 304Y, IN/SET1) Note: Supplied with single sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.	1,914.85	14.13
46 82 83 00-3479	EA	Two On-Line Sensors Installation Set (YSI 109 305Y, IN/SET2) Note: Supplied with twin Sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.	2,014.15	14.13
46 82 83 00-3480	EA	Three On-Line Sensors Installation Set (YSI 109 306Y, IN/SET3) Note: Supplied with triple Sensor holder EH/U 170; SensoClean swing mounting EH/F 170-1,5; Vario floor mounting BE/ST 170; and sun shield SSH/IQ.	2,053.87	14.13
46 82 83 00-3481	EA	IFL Sensor Deflector Plate (YSI 481 206Y, IFL-E) Note: Used with IFL. Connects to IFL rail mounts (IFL-PM or IFL-RM). Requires user-supplied 1" diameter pipe.	643.88	14.13
46 82 83 00-3482	EA	Vertical IFL Sensor Rail Mount (YSI 481 208Y, IFL-PM) Note: Deployable at railing posts. Used with IFL-E (481 206Y), order separately. Requires user supplied 1" diameter pipe.	604.16	14.13
46 82 83 00-3483	EA	Angled IFL Sensor Rail Mount (YSI 481207Y, IFL-RM) Note: Used with IFL. Deployable on railing, angled to clear obstructions. Used with IFL-E (481 206Y), order separately. Requires user supplied 1" diameter pipe.	1,835.42	14.13
46 82 83 00-3484	EA	Extended, Pivot, IFL, UV And UV/VIS Wall Mount (YSI 109360Y, EH/W 171) Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.	1,358.80	14.13
46 82 83 00-3485	EA	Fixed, IFL, UV And UV/VIS Wall Mount (YSI 109361Y, EH/W 172) Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.	514.80	14.13
46 82 83 00-3486	EA	Side Arm, Fixed, IFL, UV And UV/VIS Wall Mount (YSI 109 365Y, EH/W 173) Note: Used with IFL/UV/ UVVIS. Requires 109 362Y (ordered separately) and customer supplied 3/4" diameter pipe.	1,041.06	14.13
46 82 83 00-3487	EA	IFL, UV And UV/VIS Sensor Holder For EH/W Wall Mounts (YSI 109362Y, EH/WB) Note: Used with IFL/UV/ UVVIS. Used with 109 361Y, 109 360Y and 109 365Y and customer supplied 3/4" diameter pipe.	544.58	14.13
46 82 83 00-3488	EA	EH/W 170, 171, 172 And 173 Wall Rail Connection Mount (YSI 109 366Y, EH/W RM) Note: Used with IFL/UV/ UVVIS.	1,259.51	14.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3489		**Sensor Cleaning Components** *(46 82 83 00-3225)*		
46 82 83 00-3490	EA	Solenoid Valve Option For Plant Supplied Air, Cleaner Head Valve Module (YSI 480 018Y, MIQ/CHV Plus) Note: For use with 2020XT systems. Requires part #900 107Y in conjunction with either 480 018Y or 480 017Y.	1,571.10	70.62
46 82 83 00-3491	EA	System 182 Cleaning Head Valve Module (YSI 472 007Y, DIQ/CHV) Note: For use with plant supplied air. Uses one relay contact for operation.	1,173.92	70.62
46 82 83 00-3492	EA	Cleaning Head With 15 Meters Of Tubing (YSI 900 107Y, CH)	1,084.55	70.62
46 82 83 00-3493	EA	Cleaning Air Box (YSI 480 017Y) Note: You need part #900 107Y in conjunction with either 480 018Y or 480 017Y. Order 109 286Y and 109 295Y separately for mounting the 480 017Y onto handrail. Uses one relay contact for operation.	3,239.25	70.62
46 82 83 00-3494	EA	Cleaning Head Spare Part Set (YSI 900 111Y, CH/Epack)	158.63	
46 82 83 00-3495	EA	Mounting Into Cleaning Air Box Or In Flow-Thru Adapter EBST-700 DU/ND Check Valve (YSI 480 029Y, BPV)	286.42	14.13
46 82 83 00-3496		**Sensor Extensions And Holders** *(46 82 83 00-3225)*		
46 82 83 00-3497	EA	550 mm Sensor Holder With PVC Extension Assembly (YSI 109 260Y, UA 55)	683.60	14.13
46 82 83 00-3498	EA	1,300 mm Sensor Holder With PVC Extension Assembly (YSI 109 261Y, UA 130)	763.03	14.13
46 82 83 00-3499	EA	Probe Extension Assembly (YSI 109 263VY, UA-SO) Note: For mounting 70X IQ probes. Includes handle and set of seals. Length selectable between 0.25 and 2.60 meters in 0.05 meter increments.	614.09	14.13
46 82 83 00-3500	M	Probe Extension Assembly (YSI 109 263VY, UA-SO) PER METER	190.08	0.71
46 82 83 00-3501	EA	O-Ring Seals Spare Set (YSI 109 265Y, UA/DS) Note: For UA 55, UA 130.	178.73	
46 82 83 00-3502	EA	Sensor Holder With Handle (YSI 109 320Y, EH/U 170) Note: For IQ sensors.	405.57	14.13
46 82 83 00-3503	EA	European Style Mounting, Seawater Applications, Single Sensor Holder (YSI 109 317Y, EH/SW)	276.49	14.13
46 82 83 00-3504	EA	Two Sensor Holder With Handle (YSI 109 323Y, EH2/U 170)	564.44	14.13
46 82 83 00-3505	EA	Three Sensor Holder With Handle (YSI 109 325Y, EH3/U 170)	703.46	14.13
46 82 83 00-3506		**Flow-Thru Vessels And Adapters** *(46 82 83 00-3225)*		
46 82 83 00-3507	EA	IQ SensorNet Multi-Sensor PVC Flow-Thru Vessel (YSI 203 745Y, D700/N) Note: For unpressurized applications. D 700/N can accommodate one TriOxmatic and one SensoLyt SE/DW/EC/Pt. TetraCon 700 IQ can be substituted for TriOxmatic.	3,110.17	70.62
46 82 83 00-3508	EA	Flow-Thru Cell For Continuous D.O. Measurement With TriOxmatic Sensors (YSI 203 747Y, D 702/N) Note: For ppb range with 702 (IQ).	2,822.21	70.62
46 82 83 00-3509	EA	IQ Multi-Probe Flow-Thru Vessel (YSI 203 749Y, DMS/N) Note: Accommodates up to four 1.57" diameter IQ probes.	6,297.54	70.62
46 82 83 00-3510	EA	Metric Bushing (YSI 203 751Y, EBS 700-DU/N) Note: Component of 203 753Y.	445.29	14.13
46 82 83 00-3511	EA	2" PVC Pipe Bushing (YSI 203 751USY, EBS 700-DU/N-US) Note: Component of 203 753USY.	614.09	14.13
46 82 83 00-3512	EA	On-Line Sensors, 2" PVC Pipe Mounting Assembly (YSI 203 753USY, EBST 700-DU/N-US) Note: Requires adaptor 203 777Y and/or 203 789Y.	693.53	14.13
46 82 83 00-3513	EA	IQ Sensors, 2" PVC Pipe Mounting Assembly (YSI 203 754USY, EBST 700-DU/ND-US) Note: With air pressure cleaning fittings. Requires adaptor.	1,269.44	14.13
46 82 83 00-3514	EA	15 PSIG Maximum, Stainless Steel Weld-In Socket (YSI 203 755Y, ESS 700 VA/N) Note: 690/70X, IQ. Requires adaptor.	1,246.50	42.37
46 82 83 00-3515	EA	145 PSIG Maximum, Stainless Steel Weld-In Socket (YSI 203 757Y, ESS 700 VA/10) Note: 690/70X, IQ. Requires adaptor.	1,514.60	42.37
46 82 83 00-3516	EA	Wye Flow-Thru Adapter For In-Line Measurements (YSI 203 758Y, EBST/SW) Note: Metric version. Salt water design. Used with 700 IQ/701 IQ probes. Requires 203 790Y.	1,097.56	42.37
46 82 83 00-3517	EA	Adapter For Mounting pH/ORP, TriOxmatic DO And Conductivity IQ Probes In D 700/N Or DMS/N Flow-Thru Vessels (YSI 203 761Y, ADA-DF 1)	445.29	14.13
46 82 83 00-3518	EA	Adaptor For Mounting DO Sensors TriOxmatic 702 IQ In D 702/N (YSI 203 771Y, ADA-DF-6)	187.12	14.13
46 82 83 00-3519	EA	Adapter For Mounting VisoTurb 700 IQ Probe In DMS/N Flow-Thru Vessel (YSI 203 773Y, ADA-DF 7)	643.88	14.13
46 82 83 00-3520	EA	Adaptor For 203 751Y, 203 753(US)Y, 203 755Y (YSI 203 777Y, ADA-DF-9) Note: All IQ sensors except UV/VIS, UV and FDO.	633.95	14.13
46 82 83 00-3521	EA	Adaptor For 203 757Y IQ Sensors (YSI 203 781Y, ADA-DF-11)	661.75	14.13
46 82 83 00-3522	EA	Adaptor For Mounting FDO 700 In D700/N (YSI 203 787Y, ADA-DF-14)	763.03	14.13
46 82 83 00-3523	EA	Adaptor For Mounting FDO 700 In EBS 700-DU/N, EBST 700-DU/N, ESS 700 VA/N (YSI 203 789Y, ADA-DF-15)	864.31	14.13
46 82 83 00-3524	EA	Adaptor For 203 758Y (YSI 203 790Y, ADA-DF9/SW) Note: All IQ salt water version sensors except UV/VIS.	612.10	14.13
46 82 83 00-3525	EA	145 PSIG Maximum, Retraction Assembly With Ball Valve (YSI 480 100Y, WA 700/10) Note: Requires 480104 or 480106. Also requires either 480108 or 480114.	5,841.87	42.37
46 82 83 00-3526	EA	Retraction Assembly With Ball Valve, 30 PSIG Maximum Pressure (YSI 480 102Y, WA 700/2) Note: Requires 480104 or 480106. Also requires either 480108, 480110, 480112, or 480114.	4,950.21	42.37
46 82 83 00-3527	EA	ST 33 Carbon Steel Weld-In Socket (YSI 480 104Y, ESS-WA 700/ST) Note: For WA 700/2 and WA 700/10.	243.62	42.37
46 82 83 00-3528	EA	316 Stainless Steel Weld-In Socket (YSI 480 106Y, ESS-WA 700/VA) Note: For WA 700/2 and WA700/10.	273.41	42.37
46 82 83 00-3529	EA	Adaptor For Mounting IQ Sensors In WA 700/2 And WA 700/10 (YSI 480 108Y, ADA-WA-1)	336.06	14.13
46 82 83 00-3530	EA	Adaptor For Mounting FDO 700 In WA 700/2 And WA 700/10 Retraction Assemblies (YSI 480 114Y, ADA-WA-4)	604.16	14.13
46 82 83 00-3531	EA	Blind Plug For Closing Weld In Socket Fittings ESS WA/ST And ESS WA/VA (YSI 480 116Y, WA/BV)	283.34	42.37
46 82 83 00-3532	EA	O-Rings Spare Set For WA 700/2 And WA 700/10 (YSI 480 118Y, WA/Epack)	88.58	
46 82 83 00-3533	EA	Flow-Thru Vessel With Wall Mounting Holder And Fittings (YSI 480 080Y, VIS FT-1) Note: For UVVIS Sensors NitraVis®, CarboVis® And NiCaVis® 70X IQ (TS). For operation with automatic compressed air cleaning with cleaning and ventilation fitting.	3,861.04	14.13
46 82 83 00-3534	EA	Spare Parts Set For Flow-Thru Vessel (YSI 480 081Y, VIS FT-1/RS) Note: Consisting of one 11 x 2 mm o-ring, two 14 x 2 mm o-rings, two 60 x 4 mm o-rings, one 8 x 2 mm o-ring, and one 1/4" piece seal disc.	92.70	
46 82 83 00-3535	EA	Spare Parts Set For Old style UV-VIS Flow Thru Cell (YSI 480 061Y, VIS Flow-thru/Epack)	115.37	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3536	EA	Flow Thru System For VisoTurb, ViSolid Sensors With EBST-700 DU/N With Barb Fittings (YSI 505 521Y, DFS/VisoTurb/TW)	1,324.93	42.37

46 82 83 00-3537 Buffer Solutions *(46 82 83 00-3225)*

46 82 83 00-3538	EA	pH 4 Buffer, Box Of 6 Pints (YSI 003821, 3821)	238.31	
46 82 83 00-3539	EA	pH 7 Buffer, Box Of 6 Pints (YSI 003822, 3822)	238.31	
46 82 83 00-3540	EA	pH 10 Buffer, Box Of 6 Pints (YSI 003823, 3823)	238.31	
46 82 83 00-3541	EA	Assorted pH Buffer, Box Of 6 Pints, 2 Each pH 4, 7 And 10 (YSI 603824, 3824)	238.31	
46 82 83 00-3542	EA	125 mL ORP Calibrator, Zobell Solution (YSI 61320, 3682)	131.07	
46 82 83 00-3543	EA	250 mL ORP Calibrator, Zobell Solution (YSI 61321)	158.87	
46 82 83 00-3544	EA	500 mL ORP Calibrator, Zobell Solution (YSI 61322)	196.60	
46 82 83 00-3545	EA	Kit For Regeneration Of ORP Electrodes (YSI 109 730Y, SORT/RH) Note: Reagent set for regenerating ORP platinum electrodes, comprising 10 gram activation powder and 30 gram chlorine powder.	367.39	
46 82 83 00-3546	EA	1 Gallon, Turbidity Standard For VisoTurb (YSI 607400, 6074) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	973.09	
46 82 83 00-3547	EA	1,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060907, 3167) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	387.25	
46 82 83 00-3548	EA	10,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060911, 3168) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	387.25	
46 82 83 00-3549	EA	50,000 umhos/cm, 8 EA, Pint, Conductivity Calibrator (YSI 060660, 3169) Note: Requires 2nd day shipment in the winter as product is heat packed to avoid freezing.	387.25	
46 82 83 00-3550	EA	250 mL, 3 mol/L, KCl Solution (YSI 109 705Y, KCl-AgCl-250) Note: For storing pH electrodes.	101.28	
46 82 83 00-3551	EA	1,000 mL Low Concentration Standard Solution For VARiON Plus, AmmoLyt Plus, And NitraLyt Plus 700 IQ Probes (YSI 107 050Y, VARiON/ES-1) Note: Used for sensor check and storage.	148.94	
46 82 83 00-3552	EA	1,000 mL High Concentration Standard For VARiON Plus, AmmoLyt Plus And NitraLyt Plus 700 IQ Probes (YSI 107 052Y, VARiON/ES-2) Note: Used for sensor check	168.80	
46 82 83 00-3553	EA	For 5 mm UVVIS IQ SensorNet Probes, Low Concentration Sensor Check Standard (YSI 481 077Y, ST-1)	168.80	
46 82 83 00-3554	EA	For 1 mm UVVIS IQ SensorNet Probes, High Concentration Sensor Check Standard (YSI 481 078Y, ST-2)	168.80	

46 82 83 00-3555 P700 IQ Analyzers *(46 82 83 00-3225)*

46 82 83 00-3556	EA	Indoor Version, Without Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-000Y, P 700 IQ-I115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	35,105.95	56.50
46 82 83 00-3557	EA	Outdoor Version, Without Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-001Y, P 700 IQ-O115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	37,433.42	56.50
46 82 83 00-3558	EA	Indoor Version, Integrated Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-010Y, P 700 IQ-PI115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	37,469.17	56.50
46 82 83 00-3559	EA	Outdoor Version, Integrated Sample Pump, IQ SensorNet Orthophosphate Analyzer (YSI 8P-011Y, P 700 IQ-PO115) Note: 115 V. Requires connection to existing IQ SensorNet network OR 2020XT with MIQ/PS. Reagents and solutions sold separately.	38,378.71	56.50

46 82 83 00-3560 Filtration For P 700 IQ *(46 82 83 00-3225)*

46 82 83 00-3561	EA	Filter Membrane Module (YSI 821 987Y, FM) Note: With premounted membrane, P 700 IQ. Requires M 1.5 for mounting.	3,666.22	70.62
46 82 83 00-3562	EA	Filter Mount (YSI 821 986Y, M 1.5) Note: P 700 IQ. Includes 4.9' rail, chain and bracket.	3,265.27	14.13
46 82 83 00-3563	EA	Extension Attachment (YSI 821 985Y, M-EXT 1.5) Note: Used with M 1.5 mount, P 700 IQ filter. Includes 4.9' extension, chain and bracket.	2,649.64	14.13
46 82 83 00-3564	EA	Horizontal Mount Adapter (YSI 821 983Y, FM-Adapter) Note: For filter membrane, P 700 IQ.	475.08	14.13
46 82 83 00-3565	EA	Set Of 2 Filter Membranes (YSI 821 972Y, Filter) Note: For FM/FM-Case modules, P 700 IQ.	1,815.56	14.13
46 82 83 00-3566	EA	Module Case For Filter Membrane (YSI 821 973Y, FM-Case) Note: Includes module case without filter membranes, P 700 IQ.	2,490.77	14.13
46 82 83 00-3567	EA	Filter Membrane Cleaning Case, P 700 IQ (YSI 821 984Y, Filter-CL)	208.52	

46 82 83 00-3568 Tubing For P 700 IQ *(46 82 83 00-3225)*

46 82 83 00-3569	EA	2m Length, Blue Suction Line (YSI 821 961Y-2, SLB 2)	126.49	3.61
46 82 83 00-3570	EA	5m Length, Blue Suction Line (YSI 821 961Y-5, SLB 5)	196.00	3.61
46 82 83 00-3571	EA	10m Length, Blue Suction Line (YSI 821 961Y-10, SLB 10)	424.38	3.61
46 82 83 00-3572	EA	20m Length, Blue Suction Line (YSI 821 961Y-20, SLB 20)	622.97	3.61
46 82 83 00-3573	EA	16.2' Heated, 115 Volt AC, Suction Tube With Slide (YSI 821 981Y, SL 115-5) Note: For P 700 IQ.	2,964.31	42.37
46 82 83 00-3574	EA	33' Heated, 115 Volt AC, Suction Tube With Slide (YSI 821 979Y, SL 115-10) Note: For P 700 IQ.	5,084.60	84.75
46 82 83 00-3575	EA	66' Heated, 115 Volt AC, Suction Tube With Slide (YSI 821 959Y, SL 115-20) Note: For P 700 IQ.	8,630.13	169.50
46 82 83 00-3576	EA	16.2' Unheated, 115 Volt AC, Suction Tube With Slide (YSI 821 978Y, SL 5) Note: For P 700 IQ.	1,911.78	42.37
46 82 83 00-3577	EA	33' Unheated, 115 Volt AC, Suction Tube With Slide (YSI 821 977Y, SL 10) Note: For P 700 IQ.	2,195.12	84.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3578	EA	66' Unheated, 115 Volt AC, Suction Tube With Slide (YSI 821 957Y, SL 20) Note: For P 700 IQ.	2,761.80	169.50
46 82 83 00-3579	EA	16.2' Heated, 115 Volt AC, Sample Return Line (YSI 821 975Y, RL 115-2) Note: For P 700 IQ.	898.97	42.37
46 82 83 00-3580	EA	33' Heated, 115 Volt AC, Sample Return Line (YSI 821 965Y, RL 115-10) Note: For P 700 IQ.	4,131.37	84.75
46 82 83 00-3581	EA	66' Heated, 115 Volt AC, Sample Return Line (YSI 821 955Y, RL 115-20) Note: For P 700 IQ.	7,905.28	169.50
46 82 83 00-3582	EA	16.2' Unheated, 115 Volt AC, Sample Return Line (YSI 821 974Y, RL 2) Note: For P 700 IQ.	207.88	42.37
46 82 83 00-3583	EA	33' Unheated, 115 Volt AC, Sample Return Line (YSI 821 964Y, RL 10) Note: For P 700 IQ.	763.28	84.75
46 82 83 00-3584	EA	66' Unheated, 115 Volt AC, Sample Return Line (YSI 821 954Y, RL 20) Note: For P 700 IQ.	1,133.36	169.50
46 82 83 00-3585		**Mounting For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3586	EA	Wall Mount (YSI 821 989Y, WM) Note: For P 700 IQ.	633.95	14.13
46 82 83 00-3587	EA	Stand Mount (YSI 821 991Y, SM) Note: For P 700 IQ.	2,629.78	14.13
46 82 83 00-3588	EA	Rail Mount (YSI 821 988Y, RM) Note: For P 700 IQ.	2,778.72	14.13
46 82 83 00-3589		**Reagents And Solutions For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3590	EA	2.5 L Reagent (Pack Inst. 851) (YSI 821 999Y, RE 2.5) Note: For P 700 IQ.	238.31	
46 82 83 00-3591	EA	1 L Cleaning Solution (Pack Inst 851) (YSI 821 998Y, CL 1.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3592	EA	0.0 mG/L PO4-P, 1 L Standard Solution (YSI 821 971Y, ST 0.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3593	EA	1.6 mG/L PO4-P, 1 L Standard Solution (YSI 821 997Y, ST 1.6) Note: For P 700 IQ.	129.08	
46 82 83 00-3594	EA	8.0 mG/L PO4-P, 1 L Standard Solution (YSI 821 996Y, ST 8.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3595	EA	20.0 mG/L, PO4-P, 1 L Standard Solution (YSI 821 995Y, ST 20.0) Note: For P 700 IQ.	129.08	
46 82 83 00-3596		**Replacement Parts For P 700 IQ** *(46 82 83 00-3225)*		
46 82 83 00-3597	EA	Holder For Sensor Clamp (YSI 012995)	131.25	14.69
46 82 83 00-3598	EA	Pendulum Head (YSI 012996)	337.27	14.69
46 82 83 00-3599	EA	Weight (YSI 013063GV)	306.36	14.69
46 82 83 00-3600	EA	IQ TriOxmatic, Sensor Guard (YSI 013344)	48.85	14.69
46 82 83 00-3601	EA	IQ SensoLyt 700, Sensor Guard (YSI 013699)	254.86	14.69
46 82 83 00-3602	EA	Clamping Wedge (YSI 014631)	27.38	
46 82 83 00-3603	EA	Clamping Wedge With Threads (YSI 014632)	27.38	
46 82 83 00-3604	EA	Rubber Contact Cover (YSI 018082)	6.18	
46 82 83 00-3605	EA	Contact Cover, Label (YSI 018371)	8.24	
46 82 83 00-3606	EA	Spare Hardware Kit (YSI 018544)	92.70	
46 82 83 00-3607	EA	MIQ/CHV, Spare Hardware Kit (YSI 018893)	65.92	
46 82 83 00-3608	EA	CH Cleaning Head, Sensor Coupling Ring (YSI 018897)	143.62	14.69
46 82 83 00-3609	EA	Sensor Retaining Ring (YSI 019121)	134.51	
46 82 83 00-3610	EA	Sensor Receiving Tube (YSI 019124)	666.01	
46 82 83 00-3611	EA	Sensor Clamps (YSI 021154)	48.85	14.69
46 82 83 00-3612	EA	FDO Sensor Cap Locking Ring (YSI 022470)	47.98	
46 82 83 00-3613	EA	MIQ/Blue PS Terminating Resistor Kit (YSI 022474)	8.24	
46 82 83 00-3614	EA	Rubber, Shock Protectors (YSI 026569)	257.51	
46 82 83 00-3615	EA	pH And ORP Storage Cap (YSI 108065)	69.45	14.69
46 82 83 00-3616	EA	CHS, Chain Slide (YSI 109 291Y, CHS)	116.05	
46 82 83 00-3617	EA	12.5mm Outside Diameter, Steel, Washer (YSI BLS1-A0640030)	14.66	
46 82 83 00-3618	EA	M8x40, Clamping Lever (YSI MOT3-41004080)	47.62	
46 82 83 00-3619	EA	M8x50, Clamping Lever (YSI MOT3-41005080)	47.62	
46 82 83 00-3620	EA	Plastic, Sunshield To Pipe Mount, Clamp Block (YSI MOT3-45500000)	48.85	14.69
46 82 83 00-3621	EA	Stand To Wall Mount, Clamp Block (YSI MOT3-4500010)	90.05	14.69
46 82 83 00-3622	EA	TriOxmatic, Grey, Storage Cap (YSI MOT7-20000000)	16.72	
46 82 83 00-3623	EA	Black, Storage Cap (YSI MOT7-20040000)	40.61	14.69
46 82 83 00-3624	EA	O-Ring (YSI ORI2-46004004)	12.96	
46 82 83 00-3625	EA	UV And UV/VIS Maintenance Sleeve, O-Ring (YSI ORI4-60004003)	17.08	
46 82 83 00-3626	EA	WA700/2 And WA 700/10, O-Ring (YSI ORI2-36501004)	21.20	
46 82 83 00-3627	EA	ISE Electrode Installation Tool (YSI REP4-90005009)	20.60	
46 82 83 00-3628	EA	Locking Ring (YSI RSZ1-10400000)	68.58	
46 82 83 00-3629	EA	UA Sensor Extensions, Coupling Ring (YSI RSZ1-11440000)	47.98	
46 82 83 00-3630	EA	11.8 mm Outside Diameter, Stainless Steel, Lock Waster (YSI SIS1-B0600030)	12.96	
46 82 83 00-3631	EA	M5 x 60mm, Allen Head Bolt (YSI SRK4-00506030)	10.90	
46 82 83 00-3632	EA	M6 x 20mm, Allen Head Bolt (YSI SRK4-00602030)	12.96	
46 82 83 00-3633	EA	M6 x 110mm, Allen Head Bolt (YSI SRK5-00611030)	17.08	
46 82 83 00-3634	EA	Module Door Screw (YSI SRS2-00300840)	15.02	
46 82 83 00-3635	EA	Air Intake Filter (YSI 480 026Y, AF/CAB)	120.95	
46 82 83 00-3636	EA	Membrane (YSI 480 027Y, RM/CAB)	306.36	
46 82 83 00-3637	EA	Photometer Unit (YSI 821 990Y, LED)	575.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3638	EA	Filter For Ventilation (YSI 821 969Y, Filter REP)	129.08	
46 82 83 00-3639	EA	Peristaltic Pump Motor (YSI 821 994Y, PM)	883.73	
46 82 83 00-3640	EA	Analyzer Pump Tubing (YSI 821 993Y, PT)	238.31	
46 82 83 00-3641	EA	Fittings And Tubes For Photometric Unit (YSI 821 992BY, T SET)	655.35	
46 82 83 00-3642	EA	Set Of Solution Bottle Caps With Tubing (YSI 821 970Y, ST-BT)	139.01	
46 82 83 00-3643		Start Up And Training *(46 82 83 00-3225)*		
46 82 83 00-3644	DAY	YSI Start Up And Training	2,307.62	
46 82 83 00-3645		Environmental Water Monitoring *(46 82 83 00-0001)*		
46 82 83 00-3646		Environmental Water Monitoring (Teledyne Isco) *(46 82 83 00-3645)*		
46 82 83 00-3647		Environmental Water Monitoring Products (Teledyne Isco) *(46 82 83 00-3646)*		
46 82 83 00-3648	EA	6712 Full-size Portable Sampler. (Teledyne Isco 686710070) Note: Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, and pocket guide. For 6712 Samplers. Does not include bottle configuration kit.	8,357.14	414.76
46 82 83 00-3649	EA	6712 Portable Sampler with Jumbo Base. (Teledyne Isco 686710082) Note: Includes controller, top cover, center section, jumbo base, tube guide, two pump tubes, two discharge tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	8,357.14	414.76
46 82 83 00-3650	EA	6712C Compact Portable Sampler. (Teledyne Isco 686710071) Note: Includes controller, top cover, center section, base, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	8,078.11	400.91
46 82 83 00-3651	EA	6712C Compact Portable Sampler with Mini Base. (Teledyne Isco 686710141) Note: Includes controller, top cover, center section, mini base, distributor arm, instruction manual, and pocket guide. Does not include bottle configuration kit.	8,078.11	400.91
46 82 83 00-3652	EA	6712FR Refrigerated Sampler (120 Volt AC, 60 Hertz). (Teledyne Isco 686710072) Note: Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	15,895.49	788.89
46 82 83 00-3653	EA	6712FR Refrigerated Sampler (230 Volt AC, 50 Hertz). (Teledyne Isco 686710073) Note: Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	15,895.49	788.89
46 82 83 00-3654	EA	6712FR Refrigerated Sampler (120 Volt AC, 60 Hertz) with temperature logging. (Teledyne Isco 686710144) Note: Includes controller, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. Does not include bottle configuration kit.	16,467.26	817.27
46 82 83 00-3655	EA	6712FR Refrigerated Sampler (230 Volt AC, 50 Hertz) with temperature logging. (Teledyne Isco 686710145) Note: Includes controller, refrigeration unit, two pump tubes, distributor arm, instruction manual, and pocket guide. Does not include bottle configuration kit.	16,467.26	817.27
46 82 83 00-3656	EA	6712 Sampler controller only. (Teledyne Isco 686710074) Note: Includes two pump tubes, instruction manual, and pocket guide.	6,964.28	345.64
46 82 83 00-3657	EA	Internal three channel 4-20 mA programmable output for Avalanche and 6700 Series sampler. (Teledyne Isco 609004266) Note: Includes multi-analog output cable, 10 ft. Cannot be installed if using internal voice modem.	1,763.37	87.52
46 82 83 00-3658	EA	Voice Modem for Avalanche and 6700 Series Sampler. (Teledyne Isco 686700139) Note: Includes Remote Phone Command software for control of the sampler's operation and a 12 ft. modem cable. Not available if using Internal three channel 4-20 mA programmable output option, contact Spa department for external modem options.	1,626.14	80.70
46 82 83 00-3659	EA	Program lock software for Avalanche, 6700 Series, GLS and Glacier samplers. (Teledyne Isco 609003532)	199.83	
46 82 83 00-3660	EA	24-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700006) Note: Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two discharge tubes.	487.15	24.18
46 82 83 00-3661	EA	24-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700007) Note: Includes 24 Glass 350-ml round bottles with PTFE lined caps, bottle retaining ring, and two discharge tubes.	789.05	39.16
46 82 83 00-3662	EA	ProPak Configuration Kit for 6700 Full-size Samplers. (Teledyne Isco 686700105) Note: Includes 25 holders and caps, 1,000 1-liter bags, retaining ring, two discharge tubes, and instruction sheet.	2,090.43	103.75
46 82 83 00-3663	EA	12-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700008) Note: Includes twelve polypropylene 1-liter round bottles with caps, base locating insert, bottle retaining ring, and two discharge tubes.	951.44	47.22
46 82 83 00-3664	EA	12-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700009) Note: Includes twelve glass 950-ml round bottles with PTFE lined caps, base locating insert, bottle retaining ring, and two discharge tubes.	1,056.65	52.45
46 82 83 00-3665	EA	8-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700010) Note: Includes eight polyethylene 2-liter round bottles with caps, base locating insert, bottle retaining ring, and two discharge tubes.	834.80	41.44
46 82 83 00-3666	EA	8-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700011) Note: Includes eight glass 1.8-liter round bottles with PTFE lined caps, base locating insert, bottle retaining ring, and two discharge tubes.	1,068.09	53.01
46 82 83 00-3667	EA	4-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700012) Note: Includes four polypropylene 1-gallon round bottles with caps, bottle locating rack, and two discharge tubes.	754.75	37.45
46 82 83 00-3668	EA	4-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700013) Note: Includes four glass 1-gallon round bottles with PTFE lined caps, bottle locating rack, and two discharge tubes.	894.26	44.38
46 82 83 00-3669	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700014) Note: Includes one polyethylene 2.5-gallon (10-liter) round bottle with cap, tube guide, and two discharge tubes.	418.55	20.77
46 82 83 00-3670	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700015) Note: Includes one glass 2.5-gallon (9.5-liter) round bottle with PTFE lined cap, tube guide, and two discharge tubes.	418.55	20.77
46 82 83 00-3671	EA	Single ProPak Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700149) Note: Includes one composite ProPak holder with cap, 100 ProPak bags, tube guide, O-ring, two discharge tubes and an instruction sheet.	626.68	31.10
46 82 83 00-3672	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler. (Teledyne Isco 686700080) Note: Includes one polyethylene 4-gallon (15-liter) round bottle with cap, tube guide, and two discharge tubes.	418.55	20.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3673	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler with jumbo base. (Teledyne Isco 686700078) Note: Includes one 20 liter round glass bottle, one closure cap and two discharge tubes.	754.75	37.45
46 82 83 00-3674	EA	Single-bottle Configuration for 6700 Series Full-size Portable Sampler with jumbo base. (Teledyne Isco 686700084) Note: Includes one polyethylene 5.5-gallon (20.8-liter) bottle with cap, and two discharge tubes.	441.41	21.91
46 82 83 00-3675	EA	6700 Series Full-size Portable Sampler Standard Base. (Teledyne Isco 609004052)	834.80	41.44
46 82 83 00-3676	EA	6700 Series Full-size Portable Sampler Jumbo Composite Base. (Teledyne Isco 609004194) Note: Only for use with 68-6700-078 and 68-6700-084.	1,125.27	55.84
46 82 83 00-3677	EA	6700 Series Compact and Full-size Portable Samplers and Refrigerated Sampler Distributor arm. (Teledyne Isco 609004050)	173.82	8.63
46 82 83 00-3678	EA	6700 Series Full-size Portable Sampler Composite tube guide. (Teledyne Isco 609004051)	150.95	7.49
46 82 83 00-3679	EA	Three-point Sampler Suspension Harness for full-size and compact non-refrigerated samplers except GLS. (Teledyne Isco 601394014) Note: For GLS use part number 602954033.	128.08	6.37
46 82 83 00-3680	EA	Locking harness for 3700 and 6712 full size samplers. (Teledyne Isco 686700134)	244.72	12.15
46 82 83 00-3681	EA	ProHanger for 18 - 24 inch manhole. (Teledyne Isco 692003599) Note: Stainless steel bracket for suspending equipment in manhole.	1,033.78	51.30
46 82 83 00-3682	EA	6712Ci modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 605324172)	4,997.36	248.02
46 82 83 00-3683	EA	USB Communication Cable, 10 ft. (3 m). (Teledyne Isco 602004508) Note: Connects 4100, 4200 Series Flow Meters and 6700 Series/Avalanche Samplers to PC with USB connector. For custom length version, order this product in tandem with cut-to-length interrogate port extension cable, 60-5314-578 (maximum length 200 ft).	551.20	27.35
46 82 83 00-3684	EA	1-liter polypropylene wedge-shaped bottles with caps - quantity 24 (Teledyne Isco 682100007)	347.65	17.25
46 82 83 00-3685	EA	1-liter polypropylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 683700046)	1,090.96	54.15
46 82 83 00-3686	EA	1-liter polypropylene wedge-shaped bottles with caps, quantity 500 (Teledyne Isco 683700047)	3,389.51	168.22
46 82 83 00-3687	EA	Caps for 1-liter polypropylene wedge-shaped bottles - quantity 100 (Teledyne Isco 602100010)	135.97	
46 82 83 00-3688	EA	Bottle Retaining Ring for 24 1-liter wedge-shaped polypropylene bottles (Teledyne Isco 609003242)	107.48	5.33
46 82 83 00-3689	EA	350 ml glass round bottles with PTFE lined caps - quantity 24 (Teledyne Isco 682100001)	697.58	34.62
46 82 83 00-3690	EA	350 ml glass round bottles with PTFE lined caps - quantity 100 (Teledyne Isco 683700048)	2,554.71	126.79
46 82 83 00-3691	EA	PTFE lined caps for 350-ml glass bottles - quantity 100 (Teledyne Isco 602100003)	428.50	
46 82 83 00-3692	EA	Bottle retaining ring for 350-ml glass bottles (Teledyne Isco 602703011)	137.23	6.82
46 82 83 00-3693	EA	Base locating insert for 12-bottle sampling (Teledyne Isco 609004147)	301.89	14.98
46 82 83 00-3694	EA	Bottle retaining ring for 12-bottle sampling (Teledyne Isco 603704112)	290.47	14.42
46 82 83 00-3695	EA	1-liter polypropylene round bottles with caps - quantity 12 (Teledyne Isco 603700035)	244.72	12.15
46 82 83 00-3696	EA	1-liter polypropylene round bottles with caps - quantity 100 (Teledyne Isco 606700016)	1,729.06	85.81
46 82 83 00-3697	EA	950-ml glass round bottles with PTFE lined caps - quantity 12 (Teledyne Isco 683700023)	347.65	17.25
46 82 83 00-3698	EA	950-ml glass round bottles with caps and liners - quantity 100 (Teledyne Isco 686700018)	2,390.04	118.62
46 82 83 00-3699	EA	PTFE lined caps for 950-ml glass bottles - quantity 100 (Teledyne Isco 686700019)	951.77	
46 82 83 00-3700	EA	Base locating insert for 8-bottle sampling (Teledyne Isco 609004146)	301.89	14.98
46 82 83 00-3701	EA	Bottle retaining ring for 8-bottle sampling (Teledyne Isco 609004149)	347.65	17.25
46 82 83 00-3702	EA	2-liter polyethylene round bottles with caps - quantity 8 (Teledyne Isco 682740026)	150.95	7.49
46 82 83 00-3703	EA	Caps for 2-liter polyethylene bottles - quantity 100 (Teledyne Isco 603720029)	133.91	
46 82 83 00-3704	EA	1.8-liter glass round bottles with PTFE lined caps - quantity 8 (Teledyne Isco 682740027)	391.09	19.41
46 82 83 00-3705	EA	PTFE lined caps for 1.8-liter glass bottles - quantity 100 (Teledyne Isco 683000026)	1,277.26	
46 82 83 00-3706	EA	1-gallon polypropylene round bottles with caps - quantity 4 (Teledyne Isco 606700020)	150.95	7.49
46 82 83 00-3707	EA	1-gallon glass round bottles with PTFE lined caps - quantity 4. (Teledyne Isco 686700146)	210.42	10.44
46 82 83 00-3708	EA	1-gallon glass round bottle with PTFE lined cap - quantity 1. (Teledyne Isco 686700147)	59.45	2.95
46 82 83 00-3709	EA	2.5-gallon (10-liter) polyethylene round bottle with cap - quantity 1 (Teledyne Isco 299001304)	290.47	14.42
46 82 83 00-3710	EA	2.5-gallon (9.5-liter) glass round bottle with PTFE lined cap - quantity 1 (Teledyne Isco 682700005)	196.70	9.76
46 82 83 00-3711	EA	20 liter glass bottle with closure cap. (Teledyne Isco 686700151)	697.58	34.62
46 82 83 00-3712	EA	ProPak starter kit. Includes 24 holders with caps, 100 1-liter bags, and retaining ring. (Teledyne Isco 686700112)	603.81	29.96
46 82 83 00-3713	EA	ProPak holders with caps and standard bags - quantity 25. Includes instruction sheet. (Teledyne Isco 686700087)	347.65	17.25
46 82 83 00-3714	EA	ProPak disposable bags, 1-liter polyethylene - quantity 100. (Teledyne Isco 686700113)	210.42	10.44
46 82 83 00-3715	EA	ProPak disposable bags, 1-liter polyethylene - quantity 500. (Teledyne Isco 686700114)	974.32	48.35
46 82 83 00-3716	EA	ProPak disposable bags, 1-liter polyethylene - quantity 1,000. (Teledyne Isco 686700096)	1,486.63	73.77
46 82 83 00-3717	EA	Holder Retaining ring for 24 ProPak holders (Teledyne Isco 609003475)	75.47	3.74
46 82 83 00-3718	EA	Composite ProPak kit. Includes 100 composite ProPak bags, holder and O-ring. (Teledyne Isco 682950006)	441.41	21.91
46 82 83 00-3719	EA	Composite ProPak Holder (Teledyne Isco 602953029)	256.15	12.71
46 82 83 00-3720	EA	Composite ProPaks, quantity 100 2-gallon (9-liter) bags (Teledyne Isco 692953038)	219.57	10.89
46 82 83 00-3721	EA	O-ring for composite ProPak kit. (Teledyne Isco 202100232)	6.86	0.34
46 82 83 00-3722	EA	24-Bottle Configuration for either standard compact or mini compact base. (Teledyne Isco 686700022) Note: Includes 24 polyethylene 500-ml wedge-shaped bottles and caps, bottle carrier with retaining ring, and two discharge tubes.	418.55	20.77
46 82 83 00-3723	EA	12-Bottle Configuration for either standard compact or mini compact base. (Teledyne Isco 686700024) Note: Includes twelve glass 375-ml round bottles and PTFE lined caps, bottle retaining ring, bottle carrier, and two discharge tubes.	859.96	42.68
46 82 83 00-3724	EA	1-Bottle Configuration. Standard Compact Base Portable Sampler only. (Teledyne Isco 686700025) Note: Includes 2.5-gallon (10-liter) round polyethylene bottle, cap, tube guide, and two discharge tubes.	418.55	20.77
46 82 83 00-3725	EA	1-Bottle Configuration Standard Compact Base Portable Sampler only. (Teledyne Isco 686700026) Note: Includes 2.5-gallon (9.5-liter) glass bottle with PTFE lined cap, tube guide, and two discharge tubes.	418.55	20.77
46 82 83 00-3726	EA	Single ProPak Configuration for 6700 Series Standard Compact Portable Sampler. (Teledyne Isco 686700148) Note: Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, tube guide, two discharge tubes and an instruction sheet.	606.09	30.08
46 82 83 00-3727	EA	3710C/6712C Compact Base Assembly. (Teledyne Isco 603704129)	834.80	41.44
46 82 83 00-3728	EA	24-bottle carrier, standard compact and mini compact samplers (Teledyne Isco 609004132)	244.72	12.15
46 82 83 00-3729	EA	6700 Series Refrigerated Sampler Bottle Retaining Ring for 12-bottle 2.5-liter wedge-shaped bottles and 24-bottle 500-ml Compact Portable Samplers. (Teledyne Isco 609003235)	93.77	4.66
46 82 83 00-3730	EA	12-bottle carrier, standard compact and mini compact samplers (Teledyne Isco 609004131)	240.15	11.92
46 82 83 00-3731	EA	Locking harness for 6712C compact portable sampler. (Teledyne Isco 686710111)	244.72	12.15
46 82 83 00-3732	EA	I/O port Y-cable for 6712/Avalanche samplers. Duplicates I/O port connection to support multiple devices. (Teledyne Isco 609004294)	407.11	20.20
46 82 83 00-3733	EA	500-ml polyethylene wedge-shaped bottles with caps - quantity 24 (Teledyne Isco 682900002)	196.70	9.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3734	EA	500-ml polyethylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 686700027)	777.62	38.59
46 82 83 00-3735	EA	500-ml polyethylene wedge-shaped bottles with caps - quantity 500 (Teledyne Isco 686700028)	2,970.98	147.45
46 82 83 00-3736	EA	Caps for 500-ml wedge bottles - quantity 100 (Teledyne Isco 602900004)	96.82	
46 82 83 00-3737	EA	500-ml polyethylene round bottles with caps - quantity 12 (Teledyne Isco 682900014)	91.49	4.54
46 82 83 00-3738	EA	500-ml polyethylene round bottles with caps - quantity 100 (Teledyne Isco 686700029)	663.26	32.92
46 82 83 00-3739	EA	500-ml polyethylene round bottles with caps - quantity 500 (Teledyne Isco 686700030)	2,927.52	145.29
46 82 83 00-3740	EA	Caps for 500-ml polyethylene round bottles - quantity 100 (Teledyne Isco 601680051)	155.74	
46 82 83 00-3741	EA	375-ml glass round bottles with PTFE lined caps - quantity 12 (Teledyne Isco 682900015)	370.52	18.39
46 82 83 00-3742	EA	375-ml glass round bottles with PTFE lined caps - quantity 100 (Teledyne Isco 686700031)	2,515.84	124.86
46 82 83 00-3743	EA	24-bottle Configuration. (Teledyne Isco 686700032) Note: Includes 24 polypropylene 1-liter wedge shaped bottles with caps, retaining ring, bottle rack and two discharge tubes.	871.40	43.25
46 82 83 00-3744	EA	24-bottle Configuration. (Teledyne Isco 686700033) Note: Includes 24 glass 350-ml round bottles with PTFE lined caps retaining rings, bottle rack and two discharge tubes.	1,381.43	68.55
46 82 83 00-3745	EA	24-Container ProPak Configuration. (Teledyne Isco 686700115) Note: Includes 25 holders, 100 bags, retaining ring, bottle rack and instruction sheet.	2,090.43	103.75
46 82 83 00-3746	EA	8-bottle Configuration. (Teledyne Isco 686700034) Note: Includes eight polyethylene 2-liter round bottles with caps, retaining ring, bottle rack and two discharge tubes.	811.93	40.30
46 82 83 00-3747	EA	2-bottle Configuration. (Teledyne Isco 686700036) Note: Includes two polyethylene 2-gallon (7.5-liter) rectangular bottles, locating base, caps and two discharge tubes.	713.58	35.42
46 82 83 00-3748	EA	1-bottle Configuration. (Teledyne Isco 686700038) Note: Includes one polyethylene 2.5-gallon (10-liter) round bottle, two caps and two discharge tubes.	418.55	20.77
46 82 83 00-3749	EA	1-bottle Configuration. (Teledyne Isco 686700039) Note: Includes one glass 2.5-gallon (10-liter) round bottle, two PTFE lined caps and two discharge tubes.	418.55	20.77
46 82 83 00-3750	EA	Single ProPak Configuration for 6700 Series FR Refrigerated Sampler. (Teledyne Isco 686700150) Note: Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, two discharge tubes and an instruction sheet.	617.52	30.65
46 82 83 00-3751	EA	1-bottle Configuration. (Teledyne Isco 686700040) Note: Includes one polyethylene 4-gallon (15-liter) round bottle, two caps and two discharge tubes.	418.55	20.77
46 82 83 00-3752	EA	1-bottle Configuration. (Teledyne Isco 686700042) Note: Includes one glass 20-liter round bottle, two closure caps and two discharge tubes.	789.05	39.16
46 82 83 00-3753	EA	1-bottle Configuration. (Teledyne Isco 686700041) Note: Includes one polyethylene 5.5-gallon (20.5-liter) round bottle, two caps and two discharge tubes.	441.41	21.91
46 82 83 00-3754	EA	6712FR refrigerator adapter kit for 24 bottle configuration. (Teledyne Isco 609004155) Note: Kit contains mounting hardware for the controller and distributor arm. Bottles, caps, rack, retaining ring, and discharge tubes must be ordered separately.	233.29	11.58
46 82 83 00-3755	EA	6712FR refrigerator adapter kit for 8 bottle configuration. (Teledyne Isco 609004154) Note: Kit contains mounting hardware for the controller and distributor arm. Bottles, caps, rack, retaining ring, and discharge tubes must be ordered separately.	336.20	16.69
46 82 83 00-3756	EA	6712FR refrigerator adapter kit for 2 bottle configuration. Teledyne Isco 609004153) Note: Kit contains mounting hardware for the controller and distributor arm, and a 2 bottle locating base. Bottles, caps, and discharge tubes must be ordered separately. (	359.08	17.82
46 82 83 00-3757	EA	6712FR refrigerator adapter kit for 1 bottle configuration. (Teledyne Isco 609004156) Note: Kit contains mounting hardware for the controller. Bottle, caps, and discharge tubes must be ordered separately.	59.45	2.95
46 82 83 00-3758	EA	Discharge tube. 6700FR Series Sampler 8, 12, and 24 bottle sampling. 5800/4700 Samplers, all configurations except single 20 liter bottles. (Teledyne Isco 609003279)	36.59	1.82
46 82 83 00-3759	EA	Discharge tube, 6700FR Series Sampler. (Teledyne Isco 609003283) Note: For 2 bottle or single bottle sampling.	32.01	1.60
46 82 83 00-3760	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003260) Note: For 24 bottle sampling applications.	32.01	1.60
46 82 83 00-3761	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003262) Note: For 12 bottle sampling applications.	32.01	1.60
46 82 83 00-3762	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003264) Note: For 8 bottle sampling applications.	32.01	1.60
46 82 83 00-3763	EA	Series 6700FR refrigerator only, 120 Volt AC, 60 Hertz. (Teledyne Isco 609004236)	13,448.26	667.43
46 82 83 00-3764	EA	Series 6700FR refrigerator only, 230 Volt AC, 50 Hertz. (Teledyne Isco 609004235)	13,448.26	667.43
46 82 83 00-3765	EA	FR Battery Back-up kit. Teledyne Isco 686700135) Note: Includes Isco NiCad battery 60-1684-040 and instruction sheet. When installed in FR refrigerator, the battery provides 12VDC power to continue sampler operation should AC input power fail. (	660.98	32.81
46 82 83 00-3766	EA	Temperature Logging Assembly for 6712FR Refrigerators (Teledyne Isco 686700136) Note: Includes instruction sheet.	871.40	43.25
46 82 83 00-3767	EA	Padlock. (Teledyne Isco 209902000) Note: Used to lock GLS sampler (one required) and 3700/6700 Series refrigerated samplers (two required).	75.47	3.74
46 82 83 00-3768	EA	2.5-liter polyethylene wedge-shaped bottles with caps - quantity 12 (Teledyne Isco 686700059)	290.47	14.42
46 82 83 00-3769	EA	2.5-liter polyethylene wedge-shaped bottles with caps - quantity 100 (Teledyne Isco 686700060)	1,463.75	72.65
46 82 83 00-3770	EA	Caps for 2.5-liter polyethylene wedge-shaped bottles - quantity 100 (Teledyne Isco 606700061)	257.51	
46 82 83 00-3771	EA	2-gallon (7.5-liter) polyethylene rectangular bottle with cap - quantity 1 (for 2-bottle refrigerated samplers) (Teledyne Isco 299001307)	217.28	10.78
46 82 83 00-3772	EA	2.5-gallon (10-liter) polyethylene round bottle with two caps - quantity 1 (Teledyne Isco 682740009)	256.15	12.71
46 82 83 00-3773	EA	2.5-gallon (9.5-liter) glass round bottle with two PTFE lined caps - quantity 1 (Teledyne Isco 682930006)	256.15	12.71
46 82 83 00-3774	EA	4-gallon (15-liter) polyethylene round bottle with two caps - quantity 1 (Teledyne Isco 682930004)	256.15	12.71
46 82 83 00-3775	EA	20 liter glass bottle with 1-cap and 1-cap with hole. (Teledyne Isco 686700152)	720.44	35.76
46 82 83 00-3776	EA	5.5-gallon (20.5-liter) polyethylene round bottle with two caps - quantity 1 (not for SR) (Teledyne Isco 682930005)	324.77	16.12
46 82 83 00-3777	EA	Silicone rubber pump tubing, for 6700 Series, Avalanche, and 5800/4700 samplers. Quantity 1. (Teledyne Isco 609004157)	75.47	3.74
46 82 83 00-3778	EA	Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 5 (Teledyne Isco 606700062)	267.60	13.27
46 82 83 00-3779	EA	Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 10 (Teledyne Isco 606700044)	487.15	24.18
46 82 83 00-3780	EA	Pump tubing for 5800/4700 and 6700 Series/Avalanche Sampler - quantity 25 (Teledyne Isco 606700045)	1,125.27	55.84
46 82 83 00-3781	EA	Discharge tubing for 5800/4700 and 6700 Series/Avalanche Sampler, pump tubing for 3700 Series GLS, and Glacier Samplers - 10 ft. (Teledyne Isco 606700046)	196.70	9.76

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46 82 83 00-3782	EA	Discharge tubing for 5800/4700 and 6700 Series/Avalanche Sampler, pump tubing for 3700 Series, GLS, and Glacier Samplers - 50 ft. (Teledyne Isco 606700047)	731.88	36.32
46 82 83 00-3783	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003266) Note: For 4 bottle sampling applications.	32.01	1.60
46 82 83 00-3784	EA	Discharge tube, 6700 Series Full-size Sampler. (Teledyne Isco 609003271) Note: For single bottle composite sampling.	25.16	1.25
46 82 83 00-3785	EA	Discharge tube, 6700C Series Compact Sampler. (Teledyne Isco 609003257) Note: For 12 or 24 bottle sampling.	32.01	1.60
46 82 83 00-3786	EA	Discharge tube, 6700C Series Compact Sampler. (Teledyne Isco 609003258) Note: For single bottle sampling.	25.16	1.25
46 82 83 00-3787	EA	3/8 inch standard weighted polypropylene strainer. (Teledyne Isco 609004367)	173.82	8.63
46 82 83 00-3788	EA	3/8 inch ID x 10 ft. long vinyl suction line with standard weighted polypropylene strainer. Includes tubing coupler. (Teledyne Isco 609004378)	219.57	10.89
46 82 83 00-3789	EA	3/8 inch ID x 25 ft. long vinyl suction line with standard weighted polypropylene strainer. Includes tubing coupler. (Teledyne Isco 609004379)	256.15	12.71
46 82 83 00-3790	EA	3/8 inch ID x 10 ft. (3 m) long PTFE suction line with protective jacket. (Teledyne Isco 601683146)	137.23	6.82
46 82 83 00-3791	EA	3/8 inch ID x 25 ft. (7.6 m) PTFE suction line with protective jacket. (Teledyne Isco 602703114)	256.15	12.71
46 82 83 00-3792	EA	3/8 inch ID CPVC strainer (Teledyne Isco 603704066)	215.00	10.66
46 82 83 00-3793	EA	3/8 inch stainless steel strainer, low flow. (Teledyne Isco 692903138)	139.53	6.93
46 82 83 00-3794	EA	3/8 inch vinyl suction line - 100 ft. Includes tubing coupler. (Teledyne Isco 681680058)	196.70	9.76
46 82 83 00-3795	EA	3/8 inch vinyl suction line - 500 ft. Includes two tubing couplers. (Teledyne Isco 681680059)	789.05	39.16
46 82 83 00-3796	EA	Tubing coupler, 3/8 inch. One-piece, clampless coupler made of stainless steel. (Teledyne Isco 603709002) Note: Can be used with any Isco sampler.	45.74	2.27
46 82 83 00-3797	EA	701 Module with Stainless Steel double junction combination pH probe. (Teledyne Isco 686700052) Note: Includes combination pH probe with built-in exposed temperature probe and 25 ft. cable. Also includes one package of each buffer and rinse solution for calibrating pH probe, and instruction manual. Probe mounting hardware sold separately.	4,848.69	240.64
46 82 83 00-3798	EA	Stainless Steel double-junction combination pH probe with built-in temperature probe. (Teledyne Isco 609004126) Note: Includes 25' cable.	946.86	46.99
46 82 83 00-3799	EA	SPA 907. Standard Isco pH Sensor Extension Cable, built to length. (Teledyne Isco 605304907) Note: Allows for extension of the pH sensor for applications where greater separation is needed. For use with the pH sensor assembly with the built in temperature sensor (60-2004-146 or 60-5304-895). Must not exceed 1000 ft. maximum length between pH probe and 301 TIENet® Device or 701 module.	205.84	10.21
		For Each LF Of Extension Cable, Add	*3.83*	
46 82 83 00-3800	EA	720 Module and submerged probe with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 686700068) Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Probe mounting hardware sold separately.	4,551.36	225.88
46 82 83 00-3801	EA	Submerged probe level sensor only, measures 10 ft. level range. (Teledyne Isco 603224002) Note: Includes 25 ft. connect cable.	2,090.43	103.75
46 82 83 00-3802	EA	Submerged Probe sensor extension cable, 25 ft. (Teledyne Isco 603224004) Note: For additional vented separation distance between the sensor and the flow meter. More than one extension cable may be used provided that the total distance, including sensor cable length, does not exceed 75 ft.	672.42	33.37
46 82 83 00-3803	EA	Submerged Probe sensor extension cable, 50 ft. (Teledyne Isco 603224005) Note: For additional vented separation distance between the sensor and the flow meter. Total distance including sensor cable length cannot exceed 75 ft.	743.30	36.89
46 82 83 00-3804	EA	SPA 1641. Quick Disconnect Box for 720 Module, 4120 or 4220 Submerged Probe. (Teledyne Isco 605314641) Note: Sealed box includes Amphenol connector for submerged probe, desiccant cartridge for reference air line, and a six position terminal strip. Use cut-to-length cable 60-5304-568 to complete the connection to a 4220/4120 flow meter or 720 module.	823.37	40.86
46 82 83 00-3805	EA	SPA 568. 4220/720 Submerged Probe to Q.D. Box Connect Cable, built to length. (Teledyne Isco 605304568) Note: This sensor cable is normally used with a quick disconnect box (60-5314-641) and can be ran through conduit. It has an Amphenol on one end for connection to the instrument and spade lugs on the other end for connection to the terminal block in the quick disconnect box. Maximum length is 975 ft.	171.54	8.51
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3806	EA	Flume probe cap. (Teledyne Isco 602503105) Note: For use in flumes built to accommodate an Isco probe.	75.47	3.74
46 82 83 00-3807	EA	Standard nose section for submerged probe. (Teledyne Isco 602503086)	128.08	6.37
46 82 83 00-3808	EA	Sensor carrier for attaching submerged probe level sensor to Isco Mounting Rings. (Teledyne Isco 603204005)	109.77	5.44
46 82 83 00-3809	EA	Reference Port Tubing, 1/4 inch ID x 10 ft. (3 m). (Teledyne Isco 602703111) Note: Provides extension to the reference port.	29.73	1.48
46 82 83 00-3810	EA	Reference Port Tubing, 1/4 inch ID x 25 ft. (7.6 m). (Teledyne Isco 602703112) Note: Provides extension to the reference port.	64.05	3.17
46 82 83 00-3811	EA	730 Module with 1/8 inch x 25 ft. vinyl bubble line. (Teledyne Isco 686700050) Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Bubble tube mounting hardware sold separately.	5,527.97	274.35
46 82 83 00-3812	EA	1/8 inch x 25 ft. vinyl tubing. For use as a flow meter bubble line. (Teledyne Isco 609003281)	52.60	2.61
46 82 83 00-3813	EA	1/8 inch x 100 ft. vinyl bubble line. (Teledyne Isco 601700003)	144.10	7.15
46 82 83 00-3814	EA	Stainless Steel Bubble Tube - 4 ft. length. (Teledyne Isco 601873043) Note: For use with 1/8 inch ID vinyl bubble line.	57.17	2.83
46 82 83 00-3815	EA	Sensor carrier for attaching bubble line to Isco Mounting Rings. (Teledyne Isco 603204007)	203.55	10.10
46 82 83 00-3816	LF	SPA 706. 1/8 inch vinyl Bubble Line, cut to length, per ft. Maximum available length is 500 ft. (Teledyne Isco 605304706) Note: It is not recommended to use lengths in excess of 200 ft. for any single application. Contact factory for details.	2.83	0.14
46 82 83 00-3817	EA	750 Module and Low Profile Area Velocity Sensor with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 686700106) Note: Includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Probe mounting hardware sold separately.	9,004.40	446.88
46 82 83 00-3818	EA	Low Profile Area Velocity Sensor with 25 ft. cable, measures 10 ft. level range. (Teledyne Isco 603254021)	2,929.80	145.41
46 82 83 00-3819	EA	Area velocity sensor extension cable. 25 ft., for additional separation between sensor and flow meter. (Teledyne Isco 603254005) Note: One or two extensions can be used with 10 ft. level measurement range sensor. Only one extension can be used with 30 ft. level measurement range. Beyond these distances, use the quick disconnect box 60-3254-004.	626.68	31.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3820	EA	SPA 889. Area Velocity Sensor Extension Cable for Models 4150/4250 or 6712 with 750 module, Cut to length. (Teledyne Isco 605304889) Note: Maximum length is 50 ft.	608.38	30.19
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3821	EA	Area velocity sensor quick disconnect box. (Teledyne Isco 603254004) Note: Allows external connection of flow meter to sensor through conduit. Includes desiccator for sensor vent. Maximum distance between box and flow meter is 975 ft. Contact factory for information on cable between box and flow meter or non-conduit wiring, a watertight cord grip fitting (P/N 209-0076-03) is required. (Refer to SPA 60-5304-843.)	816.50	40.52
46 82 83 00-3822	EA	Sensor carrier for attaching low profile area velocity sensor to Isco mounting rings or sensor mounting plate. (Teledyne Isco 603204029)	121.22	6.01
46 82 83 00-3823	EA	SPA 843. 750 Module to Q.D. Box Connect Cable, built to length. (Teledyne Isco 605304843) Note: This sensor cable is normally used with a quick disconnect box (60-3254-004) when running cable through conduit. It has an Amphenol on one end for connection to the 750, and spade lugs for connection to the terminal strip of the quick disconnect box. Maximum length is 975 ft.	425.40	21.11
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3824	EA	780 analog input module. Includes 10 ft. cable and instruction manual. (Teledyne Isco 609004040)	1,132.12	56.18
46 82 83 00-3825	EA	674 Rain Gauge. Tips every 0.01 inch of rainfall. Tipping bucket rain gauge with 50 ft. cable and connector for use with a 4100 Series Flow Logger, 4200 Series Flow Meter, or 6700 Series/Avalanche Sampler. (Teledyne Isco 603284001) Note: Includes instruction manual.	1,829.69	90.80
46 82 83 00-3826	EA	Model 1640 Sampler Actuator. (Teledyne Isco 601644000) Note: Includes instruction manual. Equipped with a 22' cable length to the probe tip See CSI section 46 82 83 00-3857 for for cut to length version.	777.62	38.59
46 82 83 00-3827	EA	Instruction manual, Model 1640 Liquid Level Actuator. (Teledyne Isco 601644009)	32.03	
46 82 83 00-3828	EA	4-20 mA input interface for 6700 Series, Avalanche, or GLS Sampler. (Teledyne Isco 603704075) Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal. Attaches to sampler controller and includes short cable to connect to the sampler's flow meter connector.	381.95	18.96
46 82 83 00-3829	EA	Instruction manual, Model 6712 portable sampler (Teledyne Isco 609004334)	123.61	
46 82 83 00-3830	EA	Pocket guide, Model 6712 portable sampler (Teledyne Isco 699003589)	26.78	
46 82 83 00-3831	EA	Instruction manual, Model 6712FR (Teledyne Isco 609004335)	121.55	
46 82 83 00-3832	EA	Instruction manual, Model 701 pH and Temperature Module (Teledyne Isco 609003065)	121.55	
46 82 83 00-3833	EA	Instruction manual, Model 720 Submerged Probe Flow Module (Teledyne Isco 609003368)	121.55	
46 82 83 00-3834	EA	Instruction manual, Model 730 Bubbler Flow Module (Teledyne Isco 609003063)	121.55	
46 82 83 00-3835	EA	Instruction manual, Model 750 Area Velocity Module (Teledyne Isco 609003465)	121.55	
46 82 83 00-3836	EA	Instruction manual, Model 780 Analog Interface Module (Teledyne Isco 609003064)	121.55	
46 82 83 00-3837	EA	AQ702 multiparameter sonde. (Teledyne Isco 600603302) Note: Includes AQ702 sonde with pH, Hamilton optical dissolved oxygen, conductivity, temperature, oxidation reduction potential, and depth. Also includes AQ700 software, instruction manual, computer cable with USB adaptor, connector cover, calibration cup, weighted sensor guard, and maintenance kit.	11,012.48	546.55
46 82 83 00-3838	EA	AQ703 multiparameter sonde. (Teledyne Isco 600603303) Note: Includes AQ703 sonde with pH, Hamilton optical dissolved oxygen, conductivity, temperature, oxidation reduction potential, turbidity with wiper, and depth. Also includes AQ700 software, instruction manual, computer cable with USB adaptor, connector cover, calibration cup, weighted sensor guard, and maintenance kit with replacement wiper.	16,508.44	819.32
46 82 83 00-3839	EA	AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 5 meter length. (Teledyne Isco 600603314)	953.73	47.34
46 82 83 00-3840	EA	AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 10 meter length. (Teledyne Isco 600603315)	1,036.07	51.42
46 82 83 00-3841	EA	AQ700 field cable for connecting the AQ700 sonde to the SDI-12 converter - 15 meter length. (Teledyne Isco 600603316)	1,106.97	54.94
46 82 83 00-3842	EA	SDI-12 converter to 6712 series sampler. (Teledyne Isco 600603321) Note: This converter connects the AQ700 field cable to a 6712 series sampler which includes the 6712 Full Size portable, 6712C portable, 6712FR refrigerated, and Avalanche Samplers.	635.82	31.56
46 82 83 00-3843	EA	SDI-12 converter to Signature® Flow Meter. (Teledyne Isco 600603322) Note: The converter connect the AQ700 field cable to a Signature® Flow Meter.	377.37	18.73
46 82 83 00-3844	EA	SDI-12 converter to 2105 series interface module. (Teledyne Isco 600603320) Note: The converter connect the AQ700 field cable to a 2105 series interface module which includes the 2105, 2105Ci, and 2105Gi modules.	754.75	37.45
46 82 83 00-3845	EA	AQ700 Hamilton optical dissolved oxygen sensor replacement cap (Teledyne Isco 600603343)	537.47	26.68
46 82 83 00-3846	EA	AQ700 pH reference electrode replacement cap (Teledyne Isco 600603344)	123.51	6.13
46 82 83 00-3847	EA	SDI-12 connection cable for YSI Sonde and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004337)	256.15	12.71
46 82 83 00-3848	EA	Y Connect Cable; for YSI Sonde, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004338)	452.86	22.47
46 82 83 00-3849	EA	SDI-12 connection cable for Hydrolab Quanta Sonde and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004339)	256.15	12.71
46 82 83 00-3850	EA	Y Connect Cable; for Hydrolab Quanta Sonde, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004340)	445.99	22.14
46 82 83 00-3851	EA	SDI-12 connection cable for Isco Avalanche or 6712 Sampler and generic SDI-12 sensor (Teledyne Isco 609004341)	180.68	8.98
46 82 83 00-3852	EA	Y Connect Cable; for Generic SDI-12 sensor, Rain gauge and Isco Avalanche or 6712 Sampler (Teledyne Isco 609004342)	601.52	29.85
46 82 83 00-3853	EA	SPA 1400. YSI Adapter Extension Cable for Avalanche and 6712. SDI-12 adapter cable to adapt YSI sondes to the Avalanche/6712. (Teledyne Isco 605314400) Note: Allows for additional separation between the sonde and sampler. Built to length, per ft. Specify length at time of order.	320.20	15.89
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-3854	EA	SPA 360. Modification to add Lifting Lugs to 6712FR/5800/4700 refrigerated samplers. (Teledyne Isco 605304360) Note: Four stainless steel lifting lugs are added, one to each corner, to allow for lifting with a mechanical hoist. For the 5800/4700 refrigerated sampler requires removal of pump cover, cannot be used with pump heater option.	464.28	23.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3855	EA	SPA 391. Y Connect cable, 4200 series flow meter to 6700/3700/GLS series sampler and Type 'E' Interface. (Teledyne Isco 605304391) Note: Requires the use of a sampler to flow meter cable (60-3004-107 or cut to length version 583). For the 5800/4700 refrigerated sampler the part number for the sampler to flow meter cable is 69-4704-043 (25 ft) or cut to length version SPA 1687 (up to 1,000 ft).	452.86	22.47
46 82 83 00-3856	LF	SPA 491. 3/8 inch vinyl Suction Line, cut to length, per ft. (Teledyne Isco 605304491) Note: Maximum available length is 400 ft.	3.62	0.18
46 82 83 00-3857	EA	SPA 565. 3700/6700/GLS/Avalanche 1640 Liquid Level Actuator, cut to length, per ft. (Teledyne Isco 605304565) Note: Maximum available length is 250 ft. For use with 5800/4700 also order adapter 60-5314-697 or 60-5314-704.	617.52	30.65
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3858	LF	SPA 569. 3/8 inch PTFE suction line with protective jacket, cut to length, per ft. (Teledyne Isco 605304569) Note: Maximum available length is 500 ft.	10.74	0.53
46 82 83 00-3859	EA	SPA 583. Cut to length cable connects 6700/3700/GLS series samplers to 4200 series flow meters. (Teledyne Isco 605304583) Note: Custom length connect cable for applications when the sampler and flow meter are separated by more than 25 ft. Maximum length is 1,000 ft. Applications longer than 200 ft. will require a power supply on the sampler and a separate supply on the flow meter. For connection to the 5800/4700 sampler, use 60-5314-687. Not for use with 2100 systems.	171.54	8.51
		For Each LF Of Extension Cable, Add	*5.01*	
46 82 83 00-3860	EA	SPA 584. Modification to 6712FR/5800/4700 refrigerated samplers for the addition of anchor lugs. (Teledyne Isco 605304584) Note: An anchor bracket is added to each corner of the refrigerator, 2 brackets per side, to allow the refrigerator to be attached to the floor. If this is ordered without the refrigerator as a kit the model (6712FR or 5800/4700) of the refrigerator will be required to insure proper hardware and instructions are included, contact SPA department for details.	464.28	23.05
46 82 83 00-3861	EA	SPA 606. Modify 6712FR for 4 bottle configuration, bottles ordered separately. (Teledyne Isco 605304606) Note: Modification to 6712FR includes installation of unique drip tray, a different shelf, a bottle locating deck, distributor arm, shaft, 2 pump tubes and a discharge tube. Order plastic or glass bottles separately, (4x) 2 gallon polyethylene bottles 299-0013-07 or (4x) 2.5 gallon glass bottles 68-2700-005. If ordered as a kit for in-field installation order shelf part number 61-2723-028 separately, contact SPA department for details.	917.14	45.52
46 82 83 00-3862	EA	SPA 665. Relay alarm during sampling period. (Teledyne Isco 605304665) Note: Converts the event mark signal of 6700/3700/GLS series samplers into a Form 'C' contact closure for control use. Includes control of three-way solenoid valve to sample from pressurized line, or to control a pump linked to the SPA 888 Flow Thru Chamber. Contacts rated 12 amp, 120 VAC. Requires event mark to be set appropriately in the standard software. Plugs into the Flow Meter port on sampler. For connection to 5800/4700 sampler also order adapter 60-5314-697 or 60-5314-704.	974.32	48.35
46 82 83 00-3863	EA	SPA 719. Low Flow 3/8-inch stainless steel strainer. (Teledyne Isco 605304719) Note: Three 3/8-inch holes oriented toward bottom via 2-inch square plate. 7-inches long, 7/8-inch high. Contact factory for application details.	464.28	23.05
46 82 83 00-3864	EA	SPA 741. Modification to Mount Handles on 6712FR/5800/4700 refrigerated samplers. (Teledyne Isco 605304741) Note: Stainless steel handles (4) are added to the sides of the refrigerator to allow for easier handling.	603.81	29.96
46 82 83 00-3865	EA	SPA 790. Custom length Cable for non-Isco external control of 6700/3700/GLS series samplers. (Teledyne Isco 605304790) Note: Cable provides pins 'B' and 'F' for connection to customer's unpowered switch or contact. When closed, this will disable the sampler. Customer may hook this cable to floats, relay alarms, etc. to control when they want the sampler program to run. Maximum length of 1,000 ft.	134.95	6.70
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3866	EA	SPA 820. PTFE coated 3/8-inch Stainless Strainer. (Teledyne Isco 605304820) Note: This is our old style 3/8-inch stainless strainer that has been coated with PTFE. Use 60-5314-552 for non-PTFE coated version.	603.81	29.96
46 82 83 00-3867	EA	SPA 895. Custom length Double Junction pH Sensor for connection to Signatue 301 pH/temperature device or 6712 with 701 module. (Teledyne Isco 605304895) Note: This is the standard 60-9004-126 pH sensor, with custom length cable. Units are ordered from vendor, so allow from 4 to 10 weeks delivery on any SPA 895. This probe has the built in temperature sensor. Please specify the length when ordering.	1,152.71	57.22
		For Each LF Of Extension Cable, Add	*2.55*	
46 82 83 00-3868	EA	SPA 906. Modify 6712FR for 2-Bottle Configuration for 6712FR refrigerated samplers. (Teledyne Isco 605304906) Note: Includes 2 polypropylene 20 liter containers, bottle locating deck, distributor arm and shaft appropriate for type of refrigerator. Please specify refrigerator model when ordering. For single replacement bottle order 60-5304-908. This modification places a flat shelf lower in the refrigerator to accommodate the bottles. When ordering as a kit include shelf part number 61-2723-028.	1,219.03	60.50
46 82 83 00-3869	EA	SPA 908. One 5 gallon (20 liter) polypropylene bottle, rectangular. (Teledyne Isco 605304908) Note: This is the same bottle used by SPA 906 (60-5304-906) and SPA 1694 (60-5314-694).	487.15	24.18
46 82 83 00-3870	EA	SPA 918. Modification to 6700/3700 series samplers for internal 120 Volt AC heater, with line cord. (Teledyne Isco 605304918) Note: A 30 watt, AC powered strip heater is installed in the control box to insure display is readable in extremely cold conditions. Controller has power cord to provide 120 VAC to the heater. A fixed point thermostat controls heater to keep internal temperature above 35 degrees F. For portable units only, for 6712FR refrigerators use SPA 1020. For 5800/4700 refrigerated samplers use standard product offerings.	1,347.11	66.87
46 82 83 00-3871	EA	SPA 1932. Two wheel hand cart for portable non-refrigerated samplers. (Teledyne Isco 605314932) Note: Semi-pneumatic tires allow movement over uneven terrain. Includes cord to secure base of portable sampler to cart; intended for temporary use. State model of sampler and compact or standard base to ensure that the proper secure cord length is supplied.	709.01	35.19
46 82 83 00-3872	EA	SPA 939. DC Powered RTD Interface. (Teledyne Isco 605304939) Note: Connects and powers 581 RTD during transfer to a PC with a DB-9 pin serial port. Can be powered with a 9 Volt DC battery, or powered by an external 12 Volt DC source such as a user-supplied AC-DC power converter. External DC Power supply must be regulated 12 Volt DC, 200 mA. Standard 9 Volt DC battery supports portable PC use; external power provides support for non-120 Volt AC customers.	464.28	23.05
46 82 83 00-3873	EA	SPA 947. Model 6712/Avalanche Sampler Single I/O Alarm. (Teledyne Isco 605304947) Note: This is an external alarm, in a NEMA 4 box, housing a single relay, 12 amp, 120 VAC, to communicate alarm conditions within the 6712. The 6712 can be programmed to alarm any one of several conditions such as program done, run errors, program enabled, etc. as set in programming. Connects to the rain gauge / I/O port. Y cable 60-9004-294 will be required if used in tandem with a 6712FR with temperature logging option.	1,276.22	63.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3874	EA	SPA 970. Custom length cable for non-Isco external flow pacing of 6700/3700/GLS series samplers. (Teledyne Isco 605304970) Note: Cable provides pins 'A' and 'C' for connection to customer's unpowered flow proportional contact closure. A momentary contact closure across these pins will cause the flow pulse counter to decrement 1 count. This is a custom length version of 60-1394-077. Maximum length of 1,000 ft.	134.95	6.70
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3875	EA	SPA 978. Model 6712/Avalanche Sampler Double I/O Alarm. Same as SPA 947 but has two programmable alarm outputs. (Teledyne Isco 605304978) Note: Connects to the rain gauge / I/O port. Y cable 60-9004-294 will be required if used in tandem with a 6712FR with temperature logging option.	1,486.63	73.77
46 82 83 00-3876	EA	SPA 979. Model 6712/ Avalanche Sampler Triple I/O Alarm. Same as SPA 947 but has three programmable alarm outputs. (Teledyne Isco 605304979) Note: Connects to the rain gauge/ I/O port. "Not for use with 6712FR with temperature logging option installed.	1,985.22	98.53
46 82 83 00-3877	EA	SPA 983. PEEK Coupler. (Teledyne Isco 605304983) Note: This coupler provides connection between 3/8-inch suction line and sampler's pump tubing. It is made from PEEK and is often used when sampling for trace metals.	324.77	16.12
46 82 83 00-3878	EA	SPA 1012. Modification to 6712FR for 4 Bottle Configuration. (Teledyne Isco 605314012) Note: Includes a different shelf and the shelf brackets location inside of the cooling box is modified; included are 4 rectangular polyethylene 10-liter containers, bottle locating deck, distributor arm, distributor shaft, two pump tubes and a discharge tube. If ordered as a kit for in-field installation on the 6712FR, add shelf part number 61-2723-028, contact SPA department for details. For one single replacement bottle, order 60-5314-308.	985.74	48.93
46 82 83 00-3879	EA	SPA 1020. Modify 6712FR for controller compartment heater. (Teledyne Isco 605314020) Note: This is a forced air (fan) 200 watt heater that is mounted to the inside upper portion of the 6712FR refrigerator. Powered via its own 120 VAC line cord, it has an integral thermostat. It is a popular option for customers having concerns about liquid droplets freezing in the pump tube. Available as a kit for field installation, contact SPA department for details.	1,324.24	65.72
46 82 83 00-3880	EA	SPA 1026. Cut to length cable for Models 6712/Avalanche/3700/GLS flow paces a second sampler from the first sampler's event mark. (Teledyne Isco 605314026) Note: Usually used when a 6712 sampler with module is required to flow pace a second sampler for nearly simultaneous sampling. Uses both sampler's flow meter ports.	162.39	8.05
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3881	EA	SPA 1074. 750 Module Low Profile Area Velocity Sensor, built to length. (Teledyne Isco 605314074) Note: This is the 10 ft. range low profile sensor with a custom length cable up to 75 ft. long. Often used instead of extension cable to facilitate custom installations.	2,721.67	135.08
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3882	EA	SPA 1081. Pressure Reduction Valve. (Teledyne Isco 605314081) Note: This valve is used for sampling from pressurized lines and is suggested for use with a software enhanced 6712 sampler. It reduces pressures from as high as 300 psi down to levels safe for Isco samplers. Equipped with stainless steel components and a brass body it includes a gauge to monitor output pressures, factory preset to 10 psi. It is a portion of the Pressurized Line Sampling System 68-5304-001. This product does not handle solids.	2,680.51	133.03
46 82 83 00-3883	EA	SPA 1082. Three way 120 Volt AC actuated-ball valve. (Teledyne Isco 605314082) Note: This stainless steel and brass valve is used with SPA 947 or SPA 1484 to allow sampling from pressurized line. Often requires the use of SPA 1081 as well. Valve actuates to allow liquid to be delivered to the pump. Also need SPA 1376 (no charge) to allow valve to open before sampling begins. For three-way 230/240 VAC actuated-ball valve use 60-5314-229. This valve is part of the Pressurized Line Sampling System 68-5304-001.	3,110.48	154.38
46 82 83 00-3884	EA	SPA 1106. Two wheel hand cart for 6712FR or 5800/4700 refrigerated samplers. (Teledyne Isco 605314106) Note: Inflatable tires allow movement over uneven terrain. To attach cart to refrigerator for secured support also order brackets part number 60-5314-107 (not included).	1,113.83	55.28
46 82 83 00-3885	EA	SPA 1107. Brackets to secure two wheel hand cart (60-5314-106) to 6712FR or 5800/4700 refrigerated samplers for solid support of cart to refrigerator. (Teledyne Isco 605314107)	532.90	26.45
46 82 83 00-3886	EA	SPA 1140. Norprene pump tubing for use with the 5800/4700 and 6712 samplers. (Teledyne Isco 605314140) Note: Norprene is a heavy-duty tubing for use when sampling strong acids or base. It is also an alternative where premature pump tube failure is occurring. This tubing is NOT EPA approved. Available in 50 ft. lengths only.	974.32	48.35
46 82 83 00-3887	EA	SPA 1157. 6712 I/O Port Interface Cable. (Teledyne Isco 605314157) Note: Allows access to the I/O port signals for connection to data control systems. I/O outputs 1, 2, and 3 plus ground are provided in a cut to length cable with a maximum length of 100 ft.	240.15	11.92
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3888	EA	SPA 1181. 6712 I/O port to 6700 I/O Connect Cable, built to length. (Teledyne Isco 605314181) Note: This cable allows communication/control between the I/O ports of two 6700 samplers. Includes enabling a second 6700 sampler from parameters measured in the first 6712 sampler.	240.15	11.92
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3889	EA	SPA 1189. Custom Length Connect Cable for External 12 Volt DC source. (Teledyne Isco 605314189) Note: Cable for powering portable Isco sampler or flow meters from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. For use with Isco GLS, 3700, 6712 portable samplers, and Signature Portable flow meters. Appropriate for use with 40 Watt and 110 Watt solar panels. Same as part number 60-1394-023 except for custom length. Remember to specify the length of this product. Max length is 50'.	173.82	8.63
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-3890	EA	SPA 1257. Black Tygon Suction Line, 25 ft., with stainless steel strainer. (Teledyne Isco 605314257) Note: Tubing color is black to resist growth on the inner walls of the suction line.	603.81	29.96
46 82 83 00-3891	LF	SPA 1260. Black Tygon Suction Line, 3/8 inch, cut to length, per ft. (Teledyne Isco 605314260) Note: Maximum length is 500 ft. Tubing color is black to resist growth on the inner walls of the suction line.	8.41	0.42
46 82 83 00-3892	EA	SPA 1271.720 Submerged probe, 10 ft. range, built to length. (Teledyne Isco 605314271) Note: Maximum length is 75 ft.	1,978.36	98.18
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-3893	EA	SPA 1278. Y cable,sampler port to two devices, without diodes. Similar to 603704081 but without diodes blocking power. (Teledyne Isco 605314278) Note: Allows replication of sampler port for connection of alarm boxes, non-Isco cables, interfaces, etc.	452.86	22.47
46 82 83 00-3894	EA	SPA 1281. 4-20 mA input interface with cut-to-length cable for 3700 Series, 6700 Series or GLS Sampler. (Teledyne Isco 605314281) Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal. Custom cable length allows the interface to be mounted remotely from the sampler controller.	365.94	18.15
		For Each LF Of Extension Cable, Add	*4.49*	

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46 82 83 00-3895	EA	SPA 1301. Sampler to Flow Meter cable with pigtails at one side. (Teledyne Isco 605314301) Note: Cut to length 1,000' maximum length cable provides connector on one end and all 6 wires A-F as pig tails on the other end, connects to sampler's flow meter port. For 5800 use 10' universal connect cable 68-5800-020, or maximum 100' cut to length 605314738.	102.91	5.11
		For Each LF Of Extension Cable, Add	*4.68*	
46 82 83 00-3896	EA	SPA 1361. Analog (4-20 mA) Alarm Box. (Teledyne Isco 605314361) Note: Provides two customer settable alarms off single 4-20 mA loop. For Isco or non-Isco instruments. High/low alarms for any parameter we can generate a 4-20 mA loop for. Requires the instrument to have an analog output option installed.	2,657.64	131.90
46 82 83 00-3897	EA	SPA 1374. 6712 Temperature Sensor, cut to length. (Teledyne Isco 605314374) Note: Measures site or stream temperature. Readings are logged by controller as FR-TEMP readings and may be used as a sampler enable condition. Connects to Rain Gauge port. Not for use with 6712FR with temperature logging option installed.	937.71	46.54
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-3898	EA	SPA 1381. Wireless radios for transmitting 4-20 mA loop. (Teledyne Isco 605314381) Note: Also can provide wireless connection between rain gauge and Isco instruments. Useful where cable connection is impractical or excessively costly. Includes 2 transceivers, 2 antennas, 1 AC supply and necessary wiring to Isco instrument. Contact factory for details.	8,599.57	426.79
46 82 83 00-3899	EA	SPA 1415. Cut to length stainless steel suspension cable with two hooks. (Teledyne Isco 605314415) Note: Suitable for suspension between sampler suspension harness 60-1394-014 and Booster pump 60-5314-861.	125.79	6.24
		For Each LF Of Extension Cable, Add	*3.91*	
46 82 83 00-3900	EA	SPA 1505. Peek bulkead fitting for 6712FR. (Teledyne Isco 605314505) Note: Similar to PTFE this fitting routes between the pump tubing and the discharge tube inside of the cooling box of the 6712 fiberglass refrigerator, often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	672.42	33.37
46 82 83 00-3901	EA	SPA 1552. Old style 3/8-inch weighted stainless steel strainer. Four piece stainless steel strainer. 9-1/4 inches long, 1-3/8 inches diameter. (Teledyne Isco 605314552)	395.68	19.64
46 82 83 00-3902	EA	SPA 1578.6700 series sampler interrogator port extension cable, cut to length. (Teledyne Isco 605314578) Note: Use in tandem with 60-2004-508 to increase length of USB connect cable. Specify length when ordering. Total length of all cables must not exceed 200'. Not for use with 2100 systems.	180.68	8.98
		For Each LF Of Extension Cable, Add	*5.01*	
46 82 83 00-3903	EA	SPA 1652. Bracket to mount AV sensor and sampler strainer on user-supplied metal post. (Teledyne Isco 605314652)	580.94	28.84
46 82 83 00-3904	EA	SPA 1745. Modify 6712FR or 5800/4700 refrigerated sampler to disable the sampler's program when an internal liquid level actuator sensor is submerged in a composite bottle. (Teledyne Isco 605314745) Note: When the liquid detector's probe is wetted the controller goes into disable program state, when the probe is removed from water or dried the controller will go back into enable sample program state. All of the wiring is internal; this product will not interact with external disable, if external disable is required contact the factory for details.	1,155.00	57.33
46 82 83 00-3905	EA	SPA 1814. Modify 6712FR or 5800/4700 refrigerated sampler to add bottle full lamp indicator for composite 2.5 gallon poly bottle configuration. (Teledyne Isco 605314814) Note: Utilizes float affixed to lid of 2.5 gallon poly bottle (not included, order bottle configuration separately) to run exterior lamp for bottle full condition. Does not affect controller operation, simply indicates that the bottle is full.	894.26	44.38
46 82 83 00-3906	EA	SPA 1935. Blade Antenna with SMA style connector. This 5 inch long by 13/16 inch wide by 1/4 inch tall antenna comes equipped with a 10 foot cable and the antenna body is normally attached to an external surface with customer supplied epoxy. (Teledyne Isco 605314935) Note: This antenna is for old style 2103C/2103G with an SMA style connector or external cell phone for 4200 series flow meter or 6712 sampler CDMA style 60-5314-489 or GSM style 60-5314-653.	313.33	15.54
46 82 83 00-3907	EA	SPA 1801. Modify 1640 Liquid Level Actuator for Removable Sensor Probe. (Teledyne Isco 605314801) Note: Provides a removable connection between the 1640 liquid level actuator (not included) and the probe cable, the liquid level actuator is purchased separately as either the 22' standard or custom length version.	180.68	8.98
46 82 83 00-3908	EA	SPA 1802. Custom Length Probe for 1640 Liquid Level Actuator (Teledyne Isco 605314802) Note: Requires 60-5314-801 (not included) and 1640 liquid level actuator (not included). Provides Custom Length probe cable or spare probe cable for a 1640 Liquid Level Actuator that has been modified for a removable probe cable. Maximum available length is 250 ft.	173.82	8.63
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3909	EA	SPA 1805. Cable, cut to length, with USOC RJ11C phone connector to 4200/6712 series internal modem connector. (Teledyne Isco 605314805) Note: Order when the standard 12 ft. cable supplied with the Telephone Modem with voice messaging for 4200 series flow meters option requires a greater length. Cut to length version of part number 60-3214-020.	160.10	7.94
		For Each LF Of Extension Cable, Add	*2.51*	
46 82 83 00-3910	EA	SPA 1826. 8 bottle configuration for 6712FR sampler. (Teledyne Isco 605314826) Note: Includes 8 round glass 1.8 liter bottles, 8 PTFE lined caps, bottle rack and two discharge tubes.	2,159.03	107.15
46 82 83 00-3911	EA	SPA 1861. Booster pump for 5800/4700 refrigerated sampler or modified 6700/3700/GLS/Portable Refrigerated Sampler series. (Teledyne Isco 605314861) Note: Allows sampling from extended heads above 28 feet. Equipped with two 80' cables and suction line, pump tubing and a single 3/8" coupler. One cable connects to a separately ordered high capacity 12 Volt DC power source, the other connects to the 16 pin connector on the 5800/4700 or modified 6700/3700/GLS/Portable Refrigerated Sampler series. The output of this pump connects directly to the input pump of the controller, liquid detection occurs at the controller. Requires the use of 2 (of 4) output alarms from the 5800. The 6700/3700/GLS/Portable Refrigerated Sampler series requires a modification to the sampler controller ordered separately as 60-5324-038. The booster pump is encased in a 3700 style control box; submersion is not recommended. Use 3 point suspension harness 60-1394-014 and suspension cable 60-5314-415 for mounting considerations. This SPA voids the specified line velocity rating of the standard sampler pump.	4,306.65	213.73
46 82 83 00-3912	EA	SPA 1978. Generation III Hi-Temp Flow Through Chamber. (Teledyne Isco 605314978) Note: Made from ABS and CPVC and compatible with liquids up to 180 degrees F. Chamber has a 2-inch inlet, 3-inch outlet, and 3-inch clean-out plug; same opening sizes as now obsolete part number 60-5304-888.	464.28	23.05
46 82 83 00-3913	EA	SPA 2038. Modify 6712, 3700, GLS or portable refrigerator for booster pump (not included). (Teledyne Isco 605324038) Note: Modifies controller to connect to separate booster pump, use separate 60-5314-861 Spa 1861 booster pump. This modification is not required for model 4700 or 5800 sampler.	917.14	45.52
46 82 83 00-3914	EA	SPA 2047. SDI-12 Submersible temperature sensor probe for 6700 series sampler. (Teledyne Isco 605324047) Note: Standard length is 59 feet, available with a submersible splice up to 200 feet maximum length for an additional fee. Equipped with a connector for the sampler's rain gauge/IO port.	2,916.07	144.73
		For Each LF Of Extension Cable, Add	*2.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3915	EA	6712Gi GSM Cell Phone Modem Package for North America/Region A. (Teledyne Isco 605324151) Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Requires comm cable 60-2004-508 to set APN.	4,071.08	202.05
46 82 83 00-3916	EA	6712Gi GSM Cell Phone Modem Package for Europe/Region B. (Teledyne Isco 605324152) Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Requires comm cable 60-2004-508 to set APN.	4,071.08	202.05
46 82 83 00-3917	EA	Complete Pressurized Line Sampling for 6700 Series Sampler, 120 Volt AC only. (Teledyne Isco 685304001) Note: Contains pressure reduction valve (60-5314-081), 3-way 120 VAC actuated ball valve (60-5314-082), 6712 I/O alarm box for three-way ball valve (60-5314-484), mounting plate (60-5314-475) and 6712 software enhancement (60-5314-376). Utilizes one of three I/O alarms. Provides a 9 foot 120 VAC line cord and a 10 foot cable to the sampler's I/O rain gauge port. The port is duplicated on the I/O alarm box. Not for use with 6700 or 3700 samplers, contact factory for details.	7,730.46	383.66
46 82 83 00-3918	EA	Complete Pressurized Line Sampling for 6700 Series Sampler, 240 Volt AC only. (Teledyne Isco 685304007) Note: Contains pressure reduction valve (60-5314-081), 3-way 240 VAC actuated ball valve (60-5314-229), 6712 I/O alarm box for three-way ball valve (60-5314-718), mounting plate (60-5314-475) and 6712 software enhancement (60-5314-376). Provides a 7.5 foot 240 VAC line cord and a 10 foot cable to the sampler's I/O rain gauge port; the port is duplicated on the I/O alarm box. Utilizes one of three I/O alarms. Not for use with 6700 or 3700 samplers, contact factory for details.	8,727.65	433.16
46 82 83 00-3919	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz). (Teledyne Isco 685800001) Note: Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	12,743.84	632.48
46 82 83 00-3920	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz) with pump heater. (Teledyne Isco 685800102) Note: Includes control panel, refrigeration unit, pump housing heater, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	14,045.20	697.06
46 82 83 00-3921	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz) with battery backed power. (Teledyne Isco 685800064) Note: Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 Amp/Hours lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,834.78	686.62
46 82 83 00-3922	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz). (Teledyne Isco 685800002) Note: Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	12,743.84	632.48
46 82 83 00-3923	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz) with battery backed power. (Teledyne Isco 685800065) Note: Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 Amp/Hours lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,834.78	686.62
46 82 83 00-3924	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz) with pump heater. (Teledyne Isco 685800103) Note: Includes control panel, refrigeration unit, pump heater, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	14,045.20	697.06
46 82 83 00-3925	EA	5800 Refrigerated Sampler (115 Volt AC, 60 Hertz) with pump heater and battery backed power. (Teledyne Isco 685800200) Note: Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide.To recieve a complete system you must also order a bottle configuration kit and suction line with strainer.	13,974.30	693.55
46 82 83 00-3926	EA	5800 Refrigerated Sampler (230 Volt AC, 50 Hertz) with pump heater and battery backed power. (Teledyne Isco 685800201) Note: Includes control panel, refrigerator unit, pump housing heater, batter backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, distributor arm, two pump tubes, instruction manual, and pocket guide. To recieve a complete system you must also order a bottle configuration kit and suction line with strainer.	13,768.46	683.34
46 82 83 00-3927	EA	5800 Chinese Refrigerated Sampler (230 Volt AC, 50 Hertz). (Teledyne Isco 685800003) Note: Includes control panel, refrigeration unit, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	12,743.84	632.48
46 82 83 00-3928	EA	5800 Chinese Refrigerated Sampler (230 Volt AC, 50 Hertz) with battery backed power. (Teledyne Isco 685800066) Note: Includes control panel, refrigeration unit, distributor arm, battery backed connector adaptor, 6.5 AH lead-acid battery, battery bracket, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,631.24	676.52
46 82 83 00-3929	EA	5800 Chinese Refrigerated Sampler (230 Volt AC, 50 Hertz) with pump heater. (Teledyne Isco 685800104) Note: Includes control panel, refrigeration unit, pump heater, distributor arm, two pump tubes, instruction manual, and pocket guide. To receive a complete system you must also order a bottle configuration kit and suction line with strainer.	13,837.07	686.73
46 82 83 00-3930	EA	24-bottle Configuration. Includes 24 polypropylene 1-liter wedge shaped bottles with caps, bottle rack and two discharge tubes. (Teledyne Isco 685800015)	846.25	42.00
46 82 83 00-3931	EA	24-bottle Configuration. Includes 24 glass 350-ml round bottles with PTFE line caps, retaining rings, bottle rack and two discharge tubes. (Teledyne Isco 685800016)	1,347.11	66.87
46 82 83 00-3932	EA	24-Container ProPak Configuration. Includes 25 holders, 100 bags, retaining ring, bottle rack and instruction sheet. (Teledyne Isco 685800017)	2,090.43	103.75
46 82 83 00-3933	EA	4-bottle Configuration. Includes four polyethylene 10-liter (2.5 gallon) round bottles with caps, locating base and two discharge tubes. (Teledyne Isco 685800005)	974.32	48.35
46 82 83 00-3934	EA	4-bottle Configuration. Includes four glass 10-liter (2.5 gallon) round bottles with PTFE lined caps, locating base and two discharge tubes. (Teledyne Isco 685800006)	974.32	48.35
46 82 83 00-3935	EA	4-bottle Configuration. Includes four PPE 20-liter (5 gallon) Square bottles with PTFE lined caps, locating base, distributer arm, and two discharge tubes. (Teledyne Isco 685800019)	1,056.65	52.45
46 82 83 00-3936	EA	2-bottle Configuration. Includes two polyethylene 10-liter (2.5 gallon) round bottles, locating base, caps and two discharge tubes. (Teledyne Isco 685800007)	789.05	39.16
46 82 83 00-3937	EA	2-bottle Configuration. Includes two glass 10-liter (2.5 gallon) round bottles with PTFE lined caps, locating base, and two discharge tubes. (Teledyne Isco 685800008)	789.05	39.16
46 82 83 00-3938	EA	1-bottle Configuration. Includes one polyethylene 2.5-gallon (10-liter) round bottle, locating base, two caps and two discharge tubes. (Teledyne Isco 685800009)	418.55	20.77
46 82 83 00-3939	EA	1-bottle Configuration. Includes one glass 2.5-gallon (10-liter) round bottle, one PTFE lined cap, locating base, and two discharge tubes. (Teledyne Isco 685800010)	418.55	20.77
46 82 83 00-3940	EA	Single ProPak Configuration for 5800 and 6700 Series FR Refrigerated Sampler. Includes one composite ProPak holder with cap, 100 ProPak bags, O-ring, two discharge tubes, locating base and an instruction sheet. (Teledyne Isco 685800018)	626.68	31.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3941	EA	1-bottle Configuration. Includes one polyethylene 20.5-liter (5.5 gallon) round bottle, two caps and two discharge tubes. (Teledyne Isco 685800011)	441.41	21.91
46 82 83 00-3942	EA	1-bottle Configuration. Includes one glass 18.5-liter (5 gallon) round bottle, two PTFE lined caps and two discharge tubes. (Teledyne Isco 685800012)	789.05	39.16
46 82 83 00-3943	EA	5800 replacement control panel assembly (Teledyne Isco 605804031)	1,404.29	69.70
46 82 83 00-3944	EA	5800 refrigerated sampler multipurpose cable with 16 unterminated leads, 10 ft. (3 m). Includes instruction sheet. (Teledyne Isco 685800020)	219.57	10.89
46 82 83 00-3945	EA	USB Communication Cable, 10 ft, for 5800 refrigerated sampler. (Teledyne Isco 605804177)	663.26	32.92
46 82 83 00-3946	EA	SPA 1687. 5800/4700 refrigerated sampler to 4100/4200 series flow meter connect cable, cut to length. (Teledyne Isco 605314687)	365.94	18.15
		Note: Specify length when ordering. Not for use with 2100 systems.		
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3947	EA	SPA 1697. Adapter, 5800/4700 series sampler to 6700/3700 series sampler standard 6 pin 'flow meter' port, cut to length. Connects to the 16-pin external device connector. The other end is finished with a flow meter port connector identical to the port found on 6700 and 3700 samplers. (Teledyne Isco 605314697)	297.32	14.76
		Note: Use SPA 1704 for an adaptor that also provides a duplicate of the 16 pin connector from the 5800/4700 series sampler.		
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3948	EA	SPA 1698. 5800/4700 refrigerated sampler dual 16 pin standard external device connection box. (Teledyne Isco 605314698)	731.88	36.32
		Note: Provides for two external device connectors through the sampler's standard 16 pin connector.		
46 82 83 00-3949	EA	SPA 1704. Dual Connector Adapter, 5800/4700 refrigerated sampler to 6700/3700 series standard 6 pin 'flow meter' port and 5800/4700's 16 pin standard connector. (Teledyne Isco 605314704)	580.94	28.84
46 82 83 00-3950	EA	SPA 1706. Dual Connector Adapter, 5800/4700 refrigerated sampler to 6712 standard 9 socket 'I/O output' port and 5800/4700 16 pin standard connector. (Teledyne Isco 605314706)	592.36	29.40
		Note: Provides for connection to external equipment normally connected to the 6712's I/O port for 5800/4700 alarm outputs and duplicates the 5800/4700's 16-pin external device connector.		
46 82 83 00-3951	EA	SPA 1738. Cut to length version of 5800/4700 refrigerated sampler multipurpose cable with 16 unterminated leads, 100 ft. maximum length. Includes instruction sheet. (Teledyne Isco 605314738)	189.84	9.43
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3952	EA	SPA 1777. 5800/4700 refrigerated sampler to 3010 flow transmitter connect cable, cut to length. (Teledyne Isco 605314777)	297.32	14.76
		Note: For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-08) is required.		
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-3953	EA	5800/4700 Pump heater installation kit - 120 Volt AC, 60 Hertz. (Teledyne Isco 684700104)	1,299.08	64.48
		Note: Includes installation instruction sheet.		
46 82 83 00-3954	EA	5800 Pump heater installation kit - 220 Volt AC, 50 Hertz. (Teledyne Isco 685800060)	1,299.08	64.48
		Note: Includes installation instruction sheet.		
46 82 83 00-3955	EA	TIENet® 306 sampler interface cable for 5800 series sampler with 16 ft (5m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804178)	827.94	41.09
		Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.		
46 82 83 00-3956	EA	TIENet® 306 sampler interface cable for 5800 series sampler with 32.8 ft (10 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804179)	898.85	44.61
		Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.		
46 82 83 00-3957	EA	TIENet® 306 sampler interface cable for 5800 series sampler with 75 ft (23 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 605804180)	1,109.25	55.06
		Note: Connects to the 4700/5800 16-pin connector to support sampler pacing and enable functions.		
46 82 83 00-3958	EA	Discharge Tubing. For GLS, GSS samplers, and 5800/4700 samplers single 20 liter bottle configuration. (Teledyne Isco 602953032)	29.73	1.48
46 82 83 00-3959	EA	5800 Sampler instruction manual (Teledyne Isco 605804051)	123.61	
46 82 83 00-3960	EA	5800 Sampler Pocket Guide (Teledyne Isco 695803085)	24.72	
46 82 83 00-3961	EA	5800 Sampler Quick Reference Card (Teledyne Isco 695803084)	6.18	
46 82 83 00-3962	EA	SPA 921. GLS/3700/6700/Signature Portable Custom Length Connect cable for external 12 Volt DC source via ring terminals. (Teledyne Isco 605304921)	201.27	9.99
		Note: Cable for powering portable Isco sampler or flow meters from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in 5/16" terminals for direct connection to external battery. For use with Isco GLS, 3700, 6100, 6700 Series portable samplers and Signature Portable flow meters. Remember to specify the length of this product. Max length is 50 ft. Appropriate for 40 Watt and 110 Watt solar panels. Contact SPA department for details regarding connection to 5800/4700 refrigerated sampler with battery backed input.		
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3963	EA	SPA 1562. Sampler Interface for 2110/2150, cut to length interface that connects to the top connector of the 2100 series. (Teledyne Isco 605314562)	628.96	31.21
		Note: Used when a 2108 is connected to the bottom of the 2100 stack. Maximum length is 1000 ft, minimum length 5 ft. to allow between 6712/3700 sampler's flow meter port and 2110 or 2150. For 5800/4700 sampler order in tandem with part number 60-5314-697.		
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-3964	EA	SPA 1710. 5800/4700 refrigerated sampler output #1 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314710)	1,253.34	62.21
		Note: When the alarm output #1 becomes active, the box provides an unpowered Form C contact alarm. The alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.		
46 82 83 00-3965	EA	SPA 1711. 5800/4700 refrigerated sampler output #1 and 2 alarm box. This external box connects to the5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314711)	1,461.47	72.53
		Note: When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.		
46 82 83 00-3966	EA	SPA 1712. 5800/4700 refrigerated sampler output #1, 2, and 3 alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. (Teledyne Isco 605314712)	1,880.01	93.30
		Note: When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3967	EA	SPA 1713. 5800/4700 refrigerated sampler output #1, 2, 3, and 4 alarm box. (Teledyne Isco 605314713) Note: This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. The 5800/4700 sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	2,136.17	106.02
46 82 83 00-3968	EA	SPA 1764. 5800/4700 refrigerator sampler door open alarm. (Teledyne Isco 605314764) Note: This hardware and software modification detects when the door is open. Because the sampler controller checks peripheral inputs every five seconds, it may take up to ten seconds to detect the DOOR OPEN condition and issuing the alarm on the output pin.	434.55	21.57
46 82 83 00-3969	EA	SPA 1772. 5800/4700 refrigerated sampler output #1, 2, 3, 4 and composite bottle full alarm box. This external box connects to the 5800/4700 sampler's 16-pin external device connector via a 9 ft. cable. When an alarm output becomes active, the box provides an unpowered Form C contact alarm. (Teledyne Isco 605314772) Note: Provides liquid level actuator probe for placement into composite sample container with separate alarm. Each alarm has a toggle/latch switch to either hold or toggle the alarm, if applicable, and includes a 3 ft. connect cable. This box provides a total of up to 5 alarms. The 5800/4700 refrigerated sampler's 16-pin external device connector is duplicated on this box. Not for use with pressurized line sampling system, contact factory for details.	4,311.22	213.96
46 82 83 00-3970	EA	Complete pressurized line sampling for 5800/4700 refrigerated sampler, 240 Volt AC only. (Teledyne Isco 685304005) Note: Contains pressure reduction valve (60-5314-081), 3-way 240 Volt AC actuated ball valve (60-5314-229), 5800/4700 refrigerated sampler output alarm box for 240 Volt AC 3-way ball valve (60-5314-717) and mounting plate (60-5314-475). Provides a 7.5 foot 240 Volt AC line cord and a 9 foot cable to the sampler's 16 pin external port; the port is duplicated on the output alarm box. Utilizes 1 of 4 output alarms. Not for use with 6700 or 3700 samplers, contact factory for details.	8,727.65	433.16
46 82 83 00-3971	EA	Complete pressurized line sampling for 5800/4700 refrigerated sampler, 120 Volt AC only. (Teledyne Isco 685304006) Note: Contains pressure reduction valve (60-5314-081), 3-way 120 Volt AC actuated ball valve (60-5314-082), 5800/4700 refrigerated sampler I/O alarm box for 120 Volt AC 3-way ball valve (60-5314-716) and mounting plate (60-5314-475).	7,730.46	383.66
46 82 83 00-3972	EA	SPA 1694. 2-bottle Configuration for 5800/4700 sampler. Includes two polypropylene 20-liter (5.5 gallon) rectangular bottles with caps, bottle locating deck, and modified distributor arm assembly. (Teledyne Isco 605314694)	1,161.86	57.67
46 82 83 00-3973	EA	SPA 1733. 8 bottle configuration for 5800/4700 refrigerated sampler. Specify glass or plastic bottles. 1.8 liter glass or 2 liter plastic bottles. Bottles are included. (Teledyne Isco 605314733) Note: If ordered as a kit a software enhancement must be installed.	1,486.63	73.77
46 82 83 00-3974	EA	SPA 1798. Bulkhead fitting, PTFE coated for 5800 sampler. (Teledyne Isco 605314798) Note: This fitting routes between the pump tubing and the discharge tube inside of the cooling box of the 5800, often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	395.68	19.64
46 82 83 00-3975	EA	SPA 2019. 5800 Bottle configuration for a quantity of either two or four 2-gallon rectangular plastic bottles, bottles not included. (Teledyne Isco 605324019) Note: Order bottles separately as 299-0013-07 (part number for a single bottle). Provides base, modified distributor arm, two pump tubes, and discharge tube.	974.32	48.35
46 82 83 00-3976	EA	Model 3700 Full Size Portable Sampler. Includes controller, top cover, center section, base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 683700063) Note: Excludes bottle configuration kit or pump tubing.	7,149.54	354.83
46 82 83 00-3977	EA	Model 3700 Full Size Portable Sampler with Jumbo Base. Includes controller, top cover, center section, base, instruction manual, and pocket guide. (Teledyne Isco 683700075) Note: Excludes bottle configuration kit or pump tubing.	7,474.31	370.95
46 82 83 00-3978	EA	Model 3700C Portable Compact Sampler. Includes controller, top cover, center section, base, distributor arm, instruction manual, and pocket guide. (Teledyne Isco 683700069) Note: Excludes bottle configuration kit or pump tubing.	6,568.61	326.00
46 82 83 00-3979	EA	24-bottle Configuration for 3700 Full Size Portable Sampler. Includes 24 polypropylene 1-liter bottles with caps, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700064)	487.15	24.18
46 82 83 00-3980	EA	24-bottle Configuration for 3700 Full Size Portable Sampler. Includes 24 glass 350-ml bottles with caps, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700065)	789.05	39.16
46 82 83 00-3981	EA	24 ProPak Configuration Kit for 3700 Full Size Portable Sampler. Includes 25 holders and caps, 1,000 1-liter bags, retaining ring, two pump tubes and instruction sheet. (Teledyne Isco 683700066)	2,090.43	103.75
46 82 83 00-3982	EA	Conversion Kit. 4-1 gallon bottle rack, bottles not included, Provides metal mounting rack insert. Order (4) 299-0601-28 for 1 gallon poly bottles or (4) 299-0012-19 and (4) 60-3004-203 for 1 gallon glass bottles. (Teledyne Isco 603704192) Note: For use with standard base (not included).	811.93	40.30
46 82 83 00-3983	EA	Single-bottle Configuration for 3700 Full Size Portable Sampler. Includes one polyethylene 2.5 gallon (10-liter) round bottle with cap, locating insert, float overflow shut-off, and two pump tubes. (Teledyne Isco 683700067)	649.55	32.24
46 82 83 00-3984	EA	Single-bottle ProPak Configuration for 3700 Full Size Portable Sampler. Includes 100 2-gallon (9-liter) ProPak bags, one holder, one O-ring, one cap, float overflow shut-off and two pump tubes. (Teledyne Isco 683700068)	834.80	41.44
46 82 83 00-3985	EA	Single-bottle Configuration for 3700 Full Size Portable Sampler with Jumbo Base. Includes one polyethylene 4-gallon round bottle with cap, float overflow shut-off and two pump tubes. (Teledyne Isco 683700074)	569.49	28.26
46 82 83 00-3986	EA	24-bottle Configuration for 3700C Compact Sampler. Includes 24 polyethylene 500-ml bottles with caps, bottle carrier, bottle retaining ring, and two pump tubes. (Teledyne Isco 683700070)	418.55	20.77
46 82 83 00-3987	EA	Single Bottle Configuration for 3700C Compact Portable Sampler. Includes one 2.5 gallon (10-liter) polyethylene bottle with cap, float shut-off, and two pump tubes. (Teledyne Isco 683700073)	649.55	32.24
46 82 83 00-3988	EA	Single Bottle Configuration for 3700C Compact Portable Sampler. Includes one 2.5-gallon (9.5-liter) glass bottle with cap, float shut-off, and two pump tubes. (Teledyne Isco 683700071)	649.55	32.24
46 82 83 00-3989	EA	Single ProPak Configuration for 3700C Compact Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, float shut-off, and two pump tubes. (Teledyne Isco 683700072)	823.37	40.86
46 82 83 00-3990	EA	3700 base with 24 wedge shaped 1 liter polypropylene bottles and caps. Includes retaining ring. (Teledyne Isco 603704033)	1,161.86	57.67
46 82 83 00-3991	EA	3700 base with 24 round 350 ml glass bottles and PTFE lined caps. Includes retaining ring. (Teledyne Isco 603704031)	1,498.06	74.36
46 82 83 00-3992	EA	4-gallon (15-liter) round polyethylene bottle with cap. (Teledyne Isco 299001305) Note: For single bottle sampling.	244.72	12.15
46 82 83 00-3993	EA	Conversion kit to adapt center section for single container sampling. Includes pump tubing and float shutoff. (Teledyne Isco 603704045) Note: Single container sampling with a 2.5 gallon glass or Nalgene bottle in a standard base requires bottle locating insert 60-3703-062.	301.89	14.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-3994	EA	Locating insert for 2.5 gallon single bottle sampling in standard base. (Teledyne Isco 603703062) Note: Positions single container for proper sample routing. Used with the 2700 and 3700 portable, full size sampler.	180.68	8.98
46 82 83 00-3995	EA	Bottle carrier with 24 wedge shaped 500 ml polyethylene bottles and caps (Teledyne Isco 683700030)	395.68	19.64
46 82 83 00-3996	EA	Distributor arm for 3700C (Teledyne Isco 603704135)	182.96	9.09
46 82 83 00-3997	EA	Model 3710 Full Size Portable Sampler. Includes controller, top cover, center section with float shut-off, base, instruction manual, and pocket guide. (Teledyne Isco 683710015) Note: Excludes bottle configuration kit or pump tubing.	5,688.07	282.30
46 82 83 00-3998	EA	Model 3710C Compact Portable Sampler. Includes controller, top cover, center section with float shut-off, base, instruction manual, and pocket guide. (Teledyne Isco 683710021) Note: Excludes bottle configuration kit or pump tubing.	5,061.39	251.20
46 82 83 00-3999	EA	Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one polyethylene 2.5-gallon (10-liter) round bottle with cap, locating insert, and two pump tubes. (Teledyne Isco 683710018)	649.55	32.24
46 82 83 00-4000	EA	Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with cap, locating insert, and two pump tubes. (Teledyne Isco 683710017)	649.55	32.24
46 82 83 00-4001	EA	Single-bottle Configuration for 3710 Full Size Portable Sampler. Includes one polyethylene 4-gallon round bottle with cap and two pump tubes. (Teledyne Isco 683710016)	418.55	20.77
46 82 83 00-4002	EA	Single ProPak Configuration for 3710 Full Size Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, locating insert and two pump tubes. (Teledyne Isco 683710019)	834.80	41.44
46 82 83 00-4003	EA	Single-bottle Configuration for 3710C Compact Portable Sampler. Includes on polyethylene 2.5-gallon (10-liter) round bottle with cap, and two pump tubes. (Teledyne Isco 683710022)	649.55	32.24
46 82 83 00-4004	EA	Single-bottle Configuration for 3710C Compact Portable Sampler. Includes one glass 2.5-gallon (9.5-liter) round bottle with cap, and two pump tubes. (Teledyne Isco 683710020)	649.55	32.24
46 82 83 00-4005	EA	Single ProPak Configuration for 3710C Compact Portable Sampler. Includes 100 2-gallon ProPak bags, one holder, one O-ring, cap, and two pump tubes. (Teledyne Isco 683710023)	834.80	41.44
46 82 83 00-4006	EA	3710 Full-size base assembly. (Teledyne Isco 603714012)	834.80	41.44
46 82 83 00-4007	EA	1/4 inch stainless steel strainer, low flow. (Teledyne Isco 692903139)	139.53	6.93
46 82 83 00-4008	EA	1/4 inch ID vinyl suction line - 100 ft. Includes tubing coupler. (Teledyne Isco 681680055)	137.23	6.82
46 82 83 00-4009	EA	1/4 inch ID vinyl suction line - 500 ft. Includes two tubing couplers. (Teledyne Isco 681680056)	603.81	29.96
46 82 83 00-4010	EA	1/4 inch ID vinyl suction line - 1,000 ft. Includes two tubing couplers. (Teledyne Isco 681680057)	974.32	48.35
46 82 83 00-4011	EA	Tubing coupler, 1/4 inch. One-piece, clampless coupler made of stainless steel. (Teledyne Isco 603709001) Note: For 1/4 inch vinyl tubing.	48.03	2.38
46 82 83 00-4012	EA	1/4 inch ID vinyl suction line with low stainless steel strainer, 25 ft. length. Includes tubing coupler. (Teledyne Isco 603704068)	244.72	12.15
46 82 83 00-4013	EA	Silicone rubber pump tubing for Model 3700 Sampler (24 and 12 bottle sampling only), and all bottle configurations for Model 3700C Sampler. (Teledyne Isco 603704026) Note: 3700FR samplers modified for four 10-liter bottles (SPA 60-5314-012) use this pump tube, however customer must cut 1-7/8 inch from the tube for a finished length of 40-1/8 inches. Quantity 1.	73.19	3.63
46 82 83 00-4014	EA	Silicone pump tubing. For Model 3700 Full-size Sampler (24 and 12 bottle sampling only). Quantity 10. (Teledyne Isco 603700038)	731.88	36.32
46 82 83 00-4015	EA	Silicone pump tubing for Model 3700 Full-size (4 bottle sampling only) and 3700C (24 and 12 bottle sampling only) portable samplers, and 3710FR Refrigerated samplers. Quantity 1. (Teledyne Isco 603714019)	68.62	3.40
46 82 83 00-4016	EA	Silicone pump tubing for Model 3700 Full-size and 3700C single bottle sampling. Quantity 1. (Teledyne Isco 603704046)	73.19	3.63
46 82 83 00-4017	EA	Silicone pump tubing; for the Model 3710 Full-size Sampler. Quantity 1. (Teledyne Isco 603714009)	59.45	2.95
46 82 83 00-4018	EA	Silicone pump tubing for the Model 3710C Compact Sampler. Quantity 1. (Teledyne Isco 603714038)	57.17	2.83
46 82 83 00-4019	EA	1-Piece Interrogator Cable, 10 ft. (3m). (Teledyne Isco 602544044) Note: Connects 4100, 4200 Series Flow Meters and 6700 Series/Avalanche Samplers to PC with 9-pin serial data connector.	208.13	10.33
46 82 83 00-4020	EA	1-Piece Interrogator Cable, 10 ft., connects computer to sampler or flow meter. (Teledyne Isco 602544040) Note: For computer with 25-pin connector.	205.84	10.21
46 82 83 00-4021	EA	SPA 849. Nine-pin Serial Interrogator Cable for Sampler Models 6712/Avalanche/3700, built to length. (Teledyne Isco 605304849) Note: Used in applications where interrogation of the instrument is at distances greater than 10 ft., but not exceeding 200 ft.	356.80	17.70
		For Each LF Of Extension Cable, Add	*3.03*	
46 82 83 00-4022	EA	1,000 mL graduated cylinder. For precise calibration of sample volume. (Teledyne Isco 299002000)	134.95	6.70
46 82 83 00-4023	EA	Locking harness for 3710 full-size sampler. (Teledyne Isco 683700056)	226.42	11.24
46 82 83 00-4024	EA	Locking harness for 3700C and 3710C compact samplers. (Teledyne Isco 686700111)	256.15	12.71
46 82 83 00-4025	EA	Locating deck for 2-1/2 gallon bottle. For 3710 Full-size sampler. (Teledyne Isco 603713013)	116.65	5.78
46 82 83 00-4026	EA	Connect cable for external 12 Volt DC source. (Teledyne Isco 601394023) Note: Six ft. cable for powering portable Isco sampler or flow meters from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. For use with Isco GLS, 3700, 6100, 6700 Series portable samplers; 4200 Series flow meters, and 150 Portable Peristaltic Pump.	178.39	8.86
46 82 83 00-4027	EA	Isco sampler to flow meter connect cable, 25 ft. (7.6 m). (Teledyne Isco 603004107)	290.47	14.42
46 82 83 00-4028	EA	Consecutive operation (Master/Slave) cable. (Teledyne Isco 603704065) Note: Connects two Isco samplers to operate in successive order.	256.15	12.71
46 82 83 00-4029	EA	Consecutive operation (Master/Slave) 'Y' connect cable. (Teledyne Isco 603704080) Note: Connects two Isco samplers to operate in successive order and allows connection of Isco open channel flow meter for sample pacing and event logging.	340.77	16.92
46 82 83 00-4030	EA	Isco flow meter to Isco sampler 'Y' connect cable. (Teledyne Isco 603704081) Note: Allows a single Isco open channel flow meter, logger, or transmitter to flow pace two Isco samplers. Each leg of the Y-cable is 1 ft. long and connects to two Isco sampler to flow meter connect cables (60-3004-107, not included). Not for use with the Type E Interface (60-1784-024); use alternate 'Y' connect cable 60-5304-391.	395.68	19.64
46 82 83 00-4031	EA	Sampler to Isco flow meter and actuator cable. (Teledyne Isco 603004019) Note: Allows connection of Isco sampler and Isco flow meter and has additional connection for external sample initiation. Each leg of the Y-cable is 1 ft. long and connects to an Isco sampler for flow meter connect cable (60-3004-107, not included) and the Model 1640 LLA (60-1644-000, not included).	411.68	20.43
46 82 83 00-4032	EA	Non-Isco flow meter connector. Connector Only. (Teledyne Isco 681680060) Note: Allows connection of a non-Isco flow meter to an Isco sampler. The flow meter must produce a dry contact closure proportional to flow rate.	89.20	4.43
46 82 83 00-4033	EA	Non-Isco flow meter connect cable. (Teledyne Isco 601394077) Note: Allows connection of a non-Isco flow meter to an Isco sampler. The flow meter must produce a dry contact closure proportional to flow rate. Includes the connector with 22 ft. (6.7 m) of cable terminating in two wires.	146.38	7.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4034	EA	4-20 mA input interface for 3700 Series Samplers. (Teledyne Isco 603704037) Note: Converts an analog 4-20 mA flow proportional signal to a compatible flow proportional input signal for Isco samplers. Connects directly to the sampler's flow meter connector.	425.40	21.11
46 82 83 00-4035	EA	Sampler controller for 3700 and 3700C Samplers. Includes instruction manual, pocket guide, and pump tubing. (Teledyne Isco 683700004)	5,223.79	259.25
46 82 83 00-4036	EA	3700 Sampler instruction manual (Teledyne Isco 603704101)	119.49	
46 82 83 00-4037	EA	3700 Sampler Pocket Guide (Teledyne Isco 603703149)	24.72	
46 82 83 00-4038	EA	Sampler controller for 3710 Sampler. Includes instruction manual and pump tubing. (Teledyne Isco 683710004)	4,363.83	216.57
46 82 83 00-4039	EA	3710 Sampler instruction manual (Teledyne Isco 603714041)	119.49	
46 82 83 00-4040	EA	3710 Sampler Pocket Guide (Teledyne Isco 603713036)	26.78	
46 82 83 00-4041	EA	SPA 648. Modification to 3700 series sampler for single alarm upon program complete or various run errors. (Teledyne Isco 605304648) Note: This modification allows for an alarm on the following conditions: program done, no liquid detected, distributor/pump jammed, etc. This is a combination alarm that will be activated for any of the above conditions. It will be necessary to view the display status to ascertain the exact nature of the alarm.	834.80	41.44
46 82 83 00-4042	EA	SPA 762. Ultra Low Flow 1/4-inch Stainless Steel Strainer. This strainer is equipped with a single 1/4-inch hole located on the bottom. A 2-inch wide flat plate secures the hole toward the bottom. Dimensions are 3-inches long, 2-inches wide due to flat plate and 1/2-inch high. (Teledyne Isco 605304762)	336.20	16.69
46 82 83 00-4043	EA	SPA 1079. Norprene Pump Tube for the 3700/3710 samplers. (Teledyne Isco 605314079) Note: Norprene is a black, heavy-duty pump tubing for sampling applications with strong acids or base. It is also useful where premature pump tube failures are occurring. This tubing is NOT EPA approved. Available in 50 ft. lengths only.	1,022.33	50.74
46 82 83 00-4044	EA	SPA 1836. 12-1 liter glass bottle configuration. Includes base, bottles with PTFE lined lids, bottle retaining ring, distributor arm and two pump tubes for 12 bottle sampling for the standard portable 3700. (Teledyne Isco 605314836)	1,534.66	76.16
46 82 83 00-4045	EA	SPA 1852. 12-1 liter plastic bottles, base and two pump tubes for 12 bottle sampling for the standard portable 3700. (Teledyne Isco 605314852)	1,495.78	74.24
46 82 83 00-4046	EA	SPA 977. Modify 3700 series samplers for dual alarm output. Similar to SPA 648 but has two independent alarms, one for program errors and one for program done. Form C alarm contacts accessible via a 10 foot Y cable that is included. (Teledyne Isco 605304977)	1,111.55	55.17
46 82 83 00-4047	EA	SPA 2016. SST strainer 1/4-inch. Similar to SPA 1552 but for 1/4-inch suction line. (Teledyne Isco 605324016) Note: This will affect line velocity if employed with 6712 or 5800/4700 samplers.	395.68	19.64
46 82 83 00-4048	EA	GLS Sampler with 2.5 gallon (10 liter) polypropylene bottle. (Teledyne Isco 682950001)	5,084.26	252.34
46 82 83 00-4049	EA	GLS Sampler with 2.5 gallon (9.5 liter) glass bottle. (Teledyne Isco 682950002)	5,084.26	252.34
46 82 83 00-4050	EA	GLS Sampler with 1 gallon (3.75 liter) polypropylene bottle. (Teledyne Isco 682950003)	5,084.26	252.34
46 82 83 00-4051	EA	GLS Sampler with one composite ProPak holder, 100 2-gallon (9-liter) ProPak bags, and O-ring. (Teledyne Isco 682950005)	5,363.29	266.18
46 82 83 00-4052	EA	GLS Sampler Top Cover (Teledyne Isco 602954018)	285.89	14.19
46 82 83 00-4053	EA	GLS Sampler Suspension Harness (Teledyne Isco 602954033)	75.47	3.74
46 82 83 00-4054	EA	GLS Sampler Replacement Controller (Teledyne Isco 602954001) Note: Excludes instruction manual or pump tubing.	3,412.39	169.36
46 82 83 00-4055	EA	1 gallon round polypropylene bottle with cap (Teledyne Isco 299060128)	43.46	2.16
46 82 83 00-4056	EA	GLS, GSS, and Glacier sampler update cable. (Teledyne Isco 602954021)	354.51	17.59
46 82 83 00-4057	EA	GLS Sampler Pump Tube. Quantity 1. (Teledyne Isco 602954030)	38.89	1.93
46 82 83 00-4058	EA	GLS Sampler instruction manual (Teledyne Isco 602954058)	117.43	
46 82 83 00-4059	EA	GLS Sampler Pocket Guide (Teledyne Isco 692953030)	26.78	
46 82 83 00-4060	EA	GLS Sampler Quick Reference Card (Teledyne Isco 692953033)	6.18	
46 82 83 00-4061	EA	Avalanche Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with attached North American AC power cord. (Teledyne Isco 682970003) Note: Includes distributor arm, instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	13,004.56	645.41
46 82 83 00-4062	EA	Avalanche Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with attached AC power cord and European plug adapter. (Teledyne Isco 682970005) Note: Includes distributor arm, instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	13,004.56	645.41
46 82 83 00-4063	EA	Avalanche 14-bottle configuration. Includes 14 polypropylene 950-ml bottles with caps, two discharge tubes, bottle carrier and adapter. (Teledyne Isco 682970001)	878.26	43.58
46 82 83 00-4064	EA	Avalanche 4-bottle configuration. Includes 4 polypropylene 5-liter bottles with caps, two discharge tubes and adapter. (Teledyne Isco 682970002)	253.86	12.60
46 82 83 00-4065	EA	Avalanche 2.5 gal (10 liter) glass bottle with PTFE lined caps. Includes two discharge tubes and adapter. (Teledyne Isco 682970006)	427.70	21.22
46 82 83 00-4066	EA	Avalanche 2.5 gal (10 liter) Nalgene bottle configuration. Includes two discharge tubes and adapter. (Teledyne Isco 682970009)	427.70	21.22
46 82 83 00-4067	EA	Avalanche 5.3 gal (20 liter) lightweight polyethylene bottle with caps. Includes two discharge tubes. (Teledyne Isco 682970008)	162.39	8.05
46 82 83 00-4068	EA	Glacier/Avalanche Mobility Kit. Includes frame with lifting handles, pneumatic tires, battery shelf, and pull handle. (Teledyne Isco 682960004)	1,235.05	61.29
46 82 83 00-4069	EA	Avalanche Distributor Arm (Teledyne Isco 602974025)	137.23	6.82
46 82 83 00-4070	EA	Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 14. (Teledyne Isco 682970012)	242.44	12.03
46 82 83 00-4071	EA	Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 100. (Teledyne Isco 682970013)	1,893.74	93.98
46 82 83 00-4072	EA	Avalanche 950 ml polypropylene wedge-shaped bottles with caps, quantity 500. (Teledyne Isco 682970015)	7,577.22	376.06
46 82 83 00-4073	EA	5.3 gallon (20 liter) lightweight polyethylene bottle with two caps - quantity 1. (Teledyne Isco 682960014)	75.47	3.74
46 82 83 00-4074	EA	Avalanche controller, includes pump tube. (Teledyne Isco 602974005)	6,721.84	333.61
46 82 83 00-4075	EA	Avalanche locking assembly. (Teledyne Isco 682970014)	253.86	12.60
46 82 83 00-4076	EA	Connect cable for external 12 Volt DC source (Teledyne Isco 602964021) Note: For powering Avalanche or Glacier Portable Refrigerated Sampler only from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips.	219.57	10.89
46 82 83 00-4077	EA	Power cable for powering Avalanche or Glacier Portable Refrigerated Sampler through a vehicle cigarette lighter. (Teledyne Isco 480019900) Note: Comes with 6 ft. (1.8 m) of cable.	217.28	10.78
46 82 83 00-4078	EA	Avalanche Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC). (Teledyne Isco 602974003)	9,379.47	465.51
46 82 83 00-4079	EA	Avalanche Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC) with European power plug. (Teledyne Isco 622970001)	9,285.71	460.85
46 82 83 00-4080	EA	Discharge tube for 14 bottle and 4 bottle configurations (13 inches). (Teledyne Isco 602973054)	32.01	1.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4081	EA	Discharge tube for 2.5 gallon glass, Nalgene, and ProPak bottle (11-1/4 inches). (Teledyne Isco 602963033)	32.01	1.60
46 82 83 00-4082	EA	Avalanche Sampler instruction manual (Teledyne Isco 602974024)	127.73	
46 82 83 00-4083	EA	Avalanche Sampler Pocket Guide (Teledyne Isco 692973046)	26.78	
46 82 83 00-4084	EA	SPA 1501. Avalanche 12-bottle configuration. Includes 12 glass 350-ml bottles with PTFE lined caps, one discharge tube, distributor arm, bottle carrier, and adapter. (Teledyne Isco 605314501)	1,811.40	89.90
46 82 83 00-4085	EA	SPA 1511. Avalanche 4-bottle configuration. Includes 4 glass 1.8-liter bottles with PTFE lined caps, distributor arm, one discharge tube, adapter shelf, and bottle ring. (Teledyne Isco 605314511) Note: Requires controller software version 2.10.0001.	917.14	45.52
46 82 83 00-4086	EA	SPA 1842. Bulkhead fitting for Avalanche sampler, made of PEEK. (Teledyne Isco 605314842) Note: Similar to PTFE, this bulkhead fitting replaces the current fitting on new or existing Avalanche samplers. Often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	418.55	20.77
46 82 83 00-4087	EA	Glacier Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with North American AC power plug. (Teledyne Isco 682960001) Note: Includes instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	9,633.34	478.11
46 82 83 00-4088	EA	Glacier Sampler for AC (120/240 Volt) or external DC (12 Volt) powered applications, with European AC power plug. (Teledyne Isco 682960010) Note: Includes instruction manual, pocket guide, two pump tubes, 12 Volt DC power cable with heavy-duty battery clips, and 12 Volt DC power cable with cigarette lighter plug.	9,621.91	477.53
46 82 83 00-4089	EA	Glacier 2.5 gal (10-liter) Polyethylene Nalgene bottle kit. Includes cap for sampling and cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960005)	381.95	18.96
46 82 83 00-4090	EA	2.5 (10-liter) Glass bottle with PTFE lined caps. Includes PTFE-lined cap for sampling and PTFE-lined cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960006)	381.95	18.96
46 82 83 00-4091	EA	Glacier 2.5 gal (10-liter) lightweight polyethylene bottle kit. Includes cap for sampling and cap for transport, bottle retainer (wide), and two discharge tubes. (Teledyne Isco 682960007)	89.20	4.43
46 82 83 00-4092	EA	5.3 gallon (20 liter) lightweight polyethylene bottle with caps. Includes cap for sampling and cap for transport, bottle retainer (narrow), and two discharge tubes. (Teledyne Isco 682960008)	157.81	7.83
46 82 83 00-4093	EA	2-gallon (9 liter) ProPak single use liner with composite holder, O-ring, and 100 liners. Includes two discharge tubes and bottle retainer (narrow). (Teledyne Isco 682960009)	590.08	29.29
46 82 83 00-4094	EA	Glacier controller, includes pump tube. (Teledyne Isco 602964004)	4,157.98	206.36
46 82 83 00-4095	EA	Glacier locking assembly. (Teledyne Isco 682960011)	226.42	11.24
46 82 83 00-4096	EA	Glacier Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC) with North American power plug. (Teledyne Isco 602964003)	6,884.24	341.66
46 82 83 00-4097	EA	Glacier Refrigerator only, portable dual power (120/240 Volt AC, 12 Volt DC) with European power plug. (Teledyne Isco 682960012)	6,815.62	338.27
46 82 83 00-4098	EA	Discharge tube for 2-1/2 gallon rectangular and 5 gallon rectangular light polyethylene bottle (5-1/4 inches long). (Teledyne Isco 602963034)	32.01	1.60
46 82 83 00-4099	EA	Silicone rubber pump tubing, for Glacier Sampler. Quantity 1. (Teledyne Isco 602964013)	48.03	2.38
46 82 83 00-4100	EA	Glacier Sampler instruction manual (Teledyne Isco 602964032)	119.49	
46 82 83 00-4101	EA	Glacier Sampler Pocket Guide (Teledyne Isco 692963018)	26.78	
46 82 83 00-4102	EA	SPA 1523. PTFE Sleeve for Glacier Temperature Sensor. (Teledyne Isco 605314523) Note: Provides a measure of protection for customers concerned about cross contamination between sample events.	228.71	11.36
46 82 83 00-4103	EA	SPA 1637.Bulkhead fitting for Glacier sampler, made of PEEK. (Teledyne Isco 605314637) Note: Similar to PTFE, this bulkhead fitting replaces the current fitting on new or existing Glacier samplers. Often used when sampling for trace metals. Use separate 3/8" Peek coupler 60-5304-983 and 3/8" PTFE coated strainer 60-5304-820 for related items.	457.43	22.70
46 82 83 00-4104	EA	3700ZR Sampler (UL Rated Class I Div 1) with 1 Glass 2.5 Gallon Bottle. (Teledyne Isco 683740038)	80,049.19	3,972.84
46 82 83 00-4105	EA	3700ZR Sampler (UL Rated Class I Div 1) with 1 Plastic 2.5 Gallon Bottle. (Teledyne Isco 683740037)	80,049.19	3,972.84
46 82 83 00-4106	EA	3700ZR Sampler (UL Rated Class I Div 1) with 2 glass 2.5 Gallon bottles. (Teledyne Isco 683740036)	80,049.19	3,972.84
46 82 83 00-4107	EA	3700ZR Sampler (UL Rated Class I Div 1) with 2 Plastic 2 Gallon Bottles. (Teledyne Isco 683740035)	80,049.19	3,972.84
46 82 83 00-4108	EA	ProPak kit. Includes 25 holders with caps, 1,000 bags, retaining ring, and instruction sheet (Teledyne Isco 686700085)	2,030.96	100.80
46 82 83 00-4109	EA	ProPak kit. Includes 25 Holders with PTFE lined caps, 1,000 bags, retaining ring, and instruction sheet (Teledyne Isco 686700086)	2,390.04	118.62
46 82 83 00-4110	EA	24 ProPak holders with PTFE lined caps (Teledyne Isco 686700088)	569.49	28.26
46 82 83 00-4111	EA	100 ProPak holders with caps (Teledyne Isco 686700089)	1,089.47	54.07
46 82 83 00-4112	EA	200 ProPak holders with caps (Teledyne Isco 686700090)	2,808.58	139.39
46 82 83 00-4113	EA	500 ProPak holders with caps (Teledyne Isco 686700091)	6,337.61	314.53
46 82 83 00-4114	EA	200 ProPak caps with foam liner (Teledyne Isco 606700092)	203.55	10.10
46 82 83 00-4115	EA	500 ProPak caps with foam liner (Teledyne Isco 606700093)	521.46	25.88
46 82 83 00-4116	EA	200 ProPak caps with PTFE liners (Teledyne Isco 606700094)	800.50	39.73
46 82 83 00-4117	EA	500 ProPak caps with PTFE liners (Teledyne Isco 606700095)	1,944.05	96.48
46 82 83 00-4118	EA	ProPak disposable bags, 1-liter polyethylene - quantity 5,000. (Teledyne Isco 686700097)	5,804.71	288.09
46 82 83 00-4119	EA	ProPak disposable bags, 1-liter polyethylene - quantity 10,000. (Teledyne Isco 686700098)	9,285.71	460.85
46 82 83 00-4120	EA	Instruction sheet ProPak sample bags (Teledyne Isco 609003494)	2.06	
46 82 83 00-4121	EA	ProPak Holder and cap (Teledyne Isco 686700104)	25.16	1.25
46 82 83 00-4122	EA	SPA 1530. Custom ProHanger for up to 36" inch maximum manhole, custom built, state desired 6" span when ordering (Teledyne Isco 605314530)	2,042.40	101.36
46 82 83 00-4123	EA	581 Rapid Transfer Device (RTD). (Teledyne Isco 686700056) Note: Includes instruction manual, and power/data transfer cable to connect and power 581 RTD during data transfer to a PC. Power/data transfer cable powered by 120 Volt AC. Requires Flowlink software.	1,649.01	81.85
46 82 83 00-4124	EA	581 Rapid Transfer Device only. Without power/data transfer cable. Includes instruction manual. (Teledyne Isco 609004027)	1,381.43	68.55
46 82 83 00-4125	EA	SPA 1639. Power/data transfer cable only. (Teledyne Isco 605314639) Note: To connect and power a 581 RTD during data transfer to a PC with a USB port. Powered by 120 VAC.	709.01	35.19
46 82 83 00-4126	EA	Power/data transfer cable only. (Teledyne Isco 609004077) Note: To connect and power 581 RTD during data transfer to a PC with a DB-9 pin serial port. Powered by 120 VAC.	370.52	18.39
46 82 83 00-4127	EA	Silicone rubber pump tubing, for 24 or 8 bottle sampling applications. Quantity 1. (Teledyne Isco 603704043)	89.20	4.43
46 82 83 00-4128	EA	Silicone rubber pump tubing, for 2 bottle sampling applications. Quantity 1. (Teledyne Isco 603704053)	80.04	3.98
46 82 83 00-4129	EA	Silicone rubber pump tubing for single bottle sampling in Model 3700R or 3710R. Quantity 1. (Teledyne Isco 603714018)	70.90	3.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4130	EA	Silicone rubber pump tubing, for 24 or 8 bottle sampling. Quantity 1. (Teledyne Isco 603704044)	91.49	4.54
46 82 83 00-4131	EA	Silicone rubber pump tubing, for 2 bottle sampling. Quantity 1. (Teledyne Isco 603704056)	80.04	3.98
46 82 83 00-4132	EA	Desiccant, 4 ounce Tyvek bag. Used in GLS, Glacier, 3700 Series samplers (two large internal bags); 4100 Series Flow Loggers; 201 and 270 parameter modules; AccQcomm modules and ADFM Pro-20 Canisters. (Teledyne Isco 99000208)	18.30	
46 82 83 00-4133	EA	Desiccant, large filled plastic cartridge. Used on 4230 reference air line. (Teledyne Isco 609004282)	144.10	7.15
46 82 83 00-4134	EA	Desiccant, bulk 16 ounce bottle of loose yellow silica gel beads (2 to 5 mm). (Teledyne Isco 602004233) Note: Used in 2100 Series module desiccant tubes, 4200 Series flow meters, and ADFM secondary depth sensors.	109.77	5.44
46 82 83 00-4135	LF	SPA 580. Cut to length 1/4" ID vinyl suction line. (Teledyne Isco 605304580) Note: Not for use with 6700/6712 or 5800/4700 samplers. 200' maximum length.	2.05	0.10
46 82 83 00-4136	EA	SPA 1835. Old style 3/8 inch stainless steel strainer. Single piece stainless steel strainer. 7 inches long, 3/4 inches in diameter. (Teledyne Isco 605314835)	395.68	19.64
46 82 83 00-4137	EA	Signature® Ultrasonic flow meter system. Starting price includes base meter 624300005, TIENet 310 ultrasonic level sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684310000) Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	7,204.43	357.56
46 82 83 00-4138	EA	Wall mount bracket for 710, 2110, 3010, 4210, and TIENet® 310 Ultrasonic level sensors. (Teledyne Isco 602003615)	75.47	3.74
46 82 83 00-4139	EA	Floor mount hardware for 710, 2110, 3010, 4210, and TIENet® 310 Ultrasonic level sensors. (Teledyne Isco 602004611)	1,056.65	52.45
46 82 83 00-4140	EA	Ultrasonic sensor cable straightener. Recommended when suspending sensor over the flow stream. (Teledyne Isco 604313009) Note: Attaches to sensor to straighten the cable.	132.65	6.59
46 82 83 00-4141	EA	Horizontal sensor mount bracket for TIENet 310 Ultrasonic level. (Teledyne Isco 604368020)	180.68	8.98
46 82 83 00-4142	EA	Ultrasonic sensor sunshade. Shades ultrasonic sensor from direct sunlight in outdoor applications. (Teledyne Isco 603004142)	162.39	8.05
46 82 83 00-4143	EA	Ultrasonic calibration target. Includes target, six 2-1/2 ft. pole sections, and instructions. (Teledyne Isco 603004143) Note: Allows calibration of ultrasonic level measurement without entering the manhole.	1,475.18	73.21
46 82 83 00-4144	EA	Ultrasonic sensor cable clamp. (Teledyne Isco 603004129) Note: For hanging sensor from spreader bar 603004110 or other horizontal pipe no greater than 1-1/8 inch O.D.	210.42	10.44
46 82 83 00-4145	EA	Battery backup kit for Signature® meter. Includes model 946 lead-acid battery, adapter cable, and mounting hardware. (Teledyne Isco 604307015)	546.62	27.13
46 82 83 00-4146	EA	Power cord, 8 foot (2.5 m) long, for North America. Includes cord grip fitting (604304022). (Teledyne Isco 604304044)	57.17	2.83
46 82 83 00-4147	EA	Power cord, 8 foot (2.5 m) long, for Europe. Includes cord grip fitting (604307022). (Teledyne Isco 604304045)	57.17	2.83
46 82 83 00-4148	EA	Power cord, 8 foot (2.5 m) long, for China. Includes cord grip fitting (604307022). (Teledyne Isco 604304046)	57.17	2.83
46 82 83 00-4149	EA	Power cord, 8 foot (2.5 m) long, for United Kingdom. Includes cord grip fitting (604307022). (Teledyne Isco 604304047)	57.17	2.83
46 82 83 00-4150	EA	Power cord, 8 foot (2.5 m) long, for Australia. Includes cord grip fitting (604307022). (Teledyne Isco 604304048)	57.17	2.83
46 82 83 00-4151	EA	Power cord, 8 foot (2.5 m) long, for Argentina. Includes cord grip fitting (604307022). (Teledyne Isco 604304049)	57.17	2.83
46 82 83 00-4152	EA	TIENet® 304 contact output option card, two isolated independent Form C relay circuits. (Teledyne Isco 604304069)	601.52	29.85
46 82 83 00-4153	EA	TIENet® 307 analog 4-20 mA input option card, two isolated independent channels. (Teledyne Isco 604304054)	958.30	47.56
46 82 83 00-4154	EA	TIENet® 308 analog 4-20 mA output option card, two independent channels. (Teledyne Isco 604304006)	738.73	36.67
46 82 83 00-4155	EA	TIENet® 306 sampler interface cable with 32 ft (10 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. Connects to six-pin flow meter port to support sampler pacing and enable functions. (Teledyne Isco 604304007) Note: Interfacing with a 5800/4700 refrigerated sample will require six-pin adapter 60-5314-697, ordered separately.	924.00	45.86
46 82 83 00-4156	EA	TIENet® 306 sampler interface cable with 75 ft (23 m) long cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. Connects to six-pin flow meter port to support sampler pacing and enable functions. (Teledyne Isco 604304008) Note: Interfacing with a 5800/4700 refrigerated sample will require six-pin adapter 60-5314-697, ordered separately.	1,132.12	56.18
46 82 83 00-4157	EA	TIENet® 306 Sampler Interface with cut-to-length cable. (Teledyne Isco 604304088) Note: Interface cable is unterminated. Supports flow pacing and sampler enabling.	914.84	45.41
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4158	EA	TIENet® 301 pH and temperature sensor interface with 32 ft (10 m) long cable. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604307018)	2,703.38	134.17
46 82 83 00-4159	EA	TIENet ® 301 pH and temperature sensor interface with 75 ft (23 m) long cable. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604307019)	2,911.50	144.51
46 82 83 00-4160	EA	TIENet ® 301 pH and temperature sensor interface and cut-to-length cable with unterminated end. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. Also includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604307025)	2,703.38	134.17
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4161	EA	pH probe carrier to attach probe to Isco mounting rings or sensor mounting plate. (Teledyne Isco 603208001)	242.44	12.03
46 82 83 00-4162	EA	CDMA cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307074) Note: Serial-Over-Internet-protocol (SOIP) technology eliminates need for computer telephone modems. Requires Verizon service. Contact the factory for details regarding Verizon service requirements.	2,049.26	101.71
46 82 83 00-4163	EA	GSM cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307075) Note: Contact the factory for details regarding GSM service requirements. Region A	2,049.26	101.71
46 82 83 00-4164	EA	GSM cellular modem with magnetic mount antenna for Signature® meter. (Teledyne Isco 604307090) Note: Contact the factory for details regarding GSM service requirements. Region B	2,049.26	101.71
46 82 83 00-4165	EA	Ethernet communication module. (Teledyne Isco 604307016) Note: Provides RJ45 connection to support Ethernet communications.	347.65	17.25
46 82 83 00-4166	EA	Internal seven digit mechanical totalizer. (Teledyne Isco 604304015) Note: Non-resettable totalizer reads cumulative total flow. Factory installation recommended.	265.31	13.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4167	EA	Rain Gauge Receptacle connection only with 0.305 m (1 ft) cable. Includes three-hold cord grip fitting. (Teledyne Isco 604304055) Note: Order rain gauge separately. This receptacle allows quick connection to a Teledyne Isco standard rain gauge plug.	242.44	12.03
46 82 83 00-4168	EA	Kit Cord Grip with pigtail strain relief for cable diameters from 0.250 to 0.485 inches (6.35 to 12.3 mm). (Teledyne Isco 604307022) Note: For Signature® line cords and user-supplied cables within this diameter range.	22.87	1.13
46 82 83 00-4169	LF	TIENet® bulk cable, cut to length, 999 ft (304 m) maximum. (Teledyne Isco 604304050) Note: Specify total length in feet. Price = per foot price x cable length.	4.80	0.24
46 82 83 00-4170	EA	TIENet® Network Expansion Box, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. (Teledyne Isco 604307023) Note: Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The expansion box includes two plugs for unused ports.	809.64	40.19
46 82 83 00-4171	EA	TIENet® 310 Ultrasonic Sensor. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604314005) Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.	2,287.13	113.51
46 82 83 00-4172	EA	TIENet® 310 Ultrasonic Sensor. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter. (Teledyne Isco 604314006) Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.	2,481.53	123.16
46 82 83 00-4173	EA	TIENet® 310 Ultrasonic Level sensor with cut to length cable and unterminated cable end. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604314014) Note: Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier.	2,287.13	113.51
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4174	EA	Magnetic mount dual band antenna for CDMA and GSM cellular modems. (Teledyne Isco 602004550)	434.55	21.57
46 82 83 00-4175	EA	TIENet® 301 pH and temperature sensor interface with 32 ft (10 m) long cable. (Teledyne Isco 604304018) Note: Excludes pH sensor, buffers, and solutions.	1,813.69	90.01
46 82 83 00-4176	EA	TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable. (Teledyne Isco 604304019) Note: Excludes pH sensor, buffers, and solutions.	2,021.82	100.34
46 82 83 00-4177	EA	TIENet® 301 pH and temperature sensor interface with 5 m (16.4 ft) long cable. (Teledyne Isco 604304051) Note: Excludes pH sensor, buffers, and solutions.	1,745.07	86.62
46 82 83 00-4178	EA	pH sensor calibration buffer, pH 4.0. (Teledyne Isco 479000104)	14.42	
46 82 83 00-4179	EA	pH sensor calibration buffer, pH 7.0. (Teledyne Isco 479000107)	14.42	
46 82 83 00-4180	EA	pH sensor calibration buffer, pH 10.0. (Teledyne Isco 479000110)	14.42	
46 82 83 00-4181	EA	pH sensor electrode rinse solution. (Teledyne Isco 479001000)	14.42	
46 82 83 00-4182	EA	USB cable, 6.5 feet (2 m). USB A to USB Micro-B for computer connection to Signature® meter. (Teledyne Isco 480294601)	59.45	2.95
46 82 83 00-4183	EA	USB cable, 3 inch (75 mm). USB micro-A to USB A for USB flash drive connection to Signature® meter. (Teledyne Isco 480294602)	59.45	2.95
46 82 83 00-4184	EA	TIENet® Receptacle, standard 1 ft (0.305 m) length. (Teledyne Isco 604304056) Note: Provides a TIENet receptacle to which compatible devices with a TIENet plug may be attached.	228.71	11.36
46 82 83 00-4185	EA	TIENet® Receptacle, cut-to-length. (Teledyne Isco 604304068) Note: Provides a TIENet receptacle to which compatible devices with a TIENet plug may be attached.	240.15	11.92
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4186	EA	12 Volt DC, 1' power cord with cord grip fitting (Teledyne Isco 604304086) Note: Includes connector for use with Teledyne Isco battery and power packs.	244.72	12.15
46 82 83 00-4187	EA	Signature® Base Meter. (Teledyne Isco 624300005) Note: Excludes a flow technology and configured options which must be ordered separately when not ordered as a system.	4,917.31	244.05
46 82 83 00-4188	EA	Signature® Bubbler flow meter system. 624330003 base meter with internal bubbler, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684330000) Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	8,462.34	419.99
46 82 83 00-4189	EA	TIENet® 330 Bubbler Module (Teledyne Isco 604334003)	3,087.61	153.23
46 82 83 00-4190	EA	Stainless Steel Bubble Tube. (Teledyne Isco 601704018) Note: For use with 1/16 inch ID PTFE bubble line.	102.91	5.11
46 82 83 00-4191	EA	1/8 inch x 50 ft. vinyl bubble line. (Teledyne Isco 601873044)	82.33	4.09
46 82 83 00-4192	EA	1/16 inch x 25 ft. PTFE bubble line. (Teledyne Isco 601873051)	144.10	7.15
46 82 83 00-4193	EA	Reference port tubing kit. (Teledyne Isco 604307017) Note: Includes tubing and adapters to relocate the atmospheric pressure reference port.	121.22	6.01
46 82 83 00-4194	EA	TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter. (Teledyne Isco 604354013) Note: The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed.	4,002.46	198.64
46 82 83 00-4195	EA	TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter. (Teledyne Isco 604354014) Note: The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed.	4,196.86	208.29
46 82 83 00-4196	EA	TIENet® 350 Area Velocity sensor. 10 ft (3.0 m) measurement range with cut-to-length cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. (Teledyne Isco 604354026) Note: The Signature meter must have a desiccator installed for proper operation. Order 60-4304-092 if needed.	4,002.46	198.64
		For Each LF Of Extension Cable, Add	*4.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4197	EA	TIENet® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). (Teledyne Isco 604357018)	878.26	43.58
		Note: The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The desiccator supports TIENet devices which require reference air. The expansion box includes two plugs for unused ports.		
46 82 83 00-4198	EA	Dessicator for Signature Flow Meter (Teledyne Isco 604304092)	253.86	12.60
46 82 83 00-4199	EA	6 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234031)	1,294.51	64.25
46 82 83 00-4200	EA	8 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234032)	1,294.51	64.25
46 82 83 00-4201	EA	10 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234033)	1,294.51	64.25
46 82 83 00-4202	EA	12 inch metering insert without pump and poles. Metering insert with round orifice flow section and attachable 60 degree V-notch weir plate. Supplied with right angle insertion tube, inflation/bubbler hose, and instruction manual. (Teledyne Isco 603234034)	1,294.51	64.25
46 82 83 00-4203	EA	Signature® Base Meter With Desiccant Cartridge. (Teledyne Isco 624330003)	5,374.74	266.74
		Note: Excludes internal bubbler level sensor assembly, bubble tube, bubble line, and configured options which must be ordered separately when not ordered as a system.		
46 82 83 00-4204	EA	Signature® Area Velocity flow meter system with base meter 624300005, TIENet 350 area velocity sensor with 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684350000)	9,148.47	454.04
		Note: includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4205	EA	Signature® Base Meter. Base meter includes desiccant cartridge. (Teledyne Isco 624350013)	5,146.02	255.40
		Note: Excludes flow technology and configured options which must be ordered separately when not ordered as a system.		
46 82 83 00-4206	EA	Signature® LaserFlow system with base meter 624350013, TIENet 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684360060)	26,416.24	1,311.04
		Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4207	EA	Permanent wall mount for TIENet® 360 LaserFlow™ sensor. (Teledyne Isco 604364003)	1,358.56	67.43
46 82 83 00-4208	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 48 - 55 in (122 - 140 cm) (Teledyne Isco 624360032)	1,555.25	77.19
46 82 83 00-4209	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 54 - 66 in (137 - 167 cm) (Teledyne Isco 624360034)	1,555.25	77.19
46 82 83 00-4210	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 63 - 84 in (160 - 213 cm) (Teledyne Isco 624360035)	1,555.25	77.19
46 82 83 00-4211	EA	Temporary Mount Kit for TIENet® 360 LaserFlow™ 83 - 114 in (211 - 289 cm) (Teledyne Isco 624360036)	1,555.25	77.19
46 82 83 00-4212	EA	Sensor Retrieval Tool (Teledyne Isco 604364033)	464.28	23.05
46 82 83 00-4213	EA	TIENet® 350 Area Velocity Sensor Surcharge Kit. Includes sensor with short cable to connect to the TIENet 360 LaserFlow sensor and mounting hardware. (Teledyne Isco 604354017)	4,208.30	208.85
46 82 83 00-4214	EA	LaserFlow sensor sun shade (Teledyne Isco 604364080)	1,184.72	58.79
46 82 83 00-4215	EA	TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flow meters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier. (Teledyne Isco 604314009)	2,515.84	124.86
46 82 83 00-4216	EA	TIENet® 310 Ultrasonic Level sensor with 75 ft (23 m) cable with TIENet plug. For use with Signature® portable flow meters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier. (Teledyne Isco 604314011)	2,710.24	134.51
46 82 83 00-4217	EA	TIENet® 310 Ultrasonic Level sensor with cut to length cable with TIENet plug. For use with Signature® portable flow meters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the SPA 2060 TIENet barrier. (Teledyne Isco 604314013)	2,515.84	124.86
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4218	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor and 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3106)	21,270.21	1,055.64
46 82 83 00-4219	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor, Surcharge AV sensor and 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3110)	25,249.81	1,253.15
46 82 83 00-4220	EA	TIENet® 360 LaserFlow™ Sensor. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3108)	18,411.31	913.75
		Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4221	EA	TIENet® 360 LaserFlow™ Sensor with Surcharge AV. 10 ft (3.05 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3112)	22,390.91	1,111.26
		Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4222	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor and 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3107)	21,464.63	1,065.29
46 82 83 00-4223	EA	TIENet® 360 LaserFlow™ Sensor with 10 ft (3.05 m) measurement range with built-in ultrasonic level sensor, Surcharge AV, and 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. (Teledyne Isco 684360061-ISCO3111)	25,444.20	1,262.80
46 82 83 00-4224	EA	TIENet® 360 LaserFlow™ Sensor. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3109)	18,605.72	923.40
		Note: The remote Ultrasonic is not included and must be purchased separately.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4225	EA	TIENet® 360 LaserFlow™ Sensor with surcharge AV. 10 ft (3.05 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight connection to the Signature meter. The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 684360061-ISCO3113)	22,585.31	1,120.91
		Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4226	EA	Signature® LaserFlow Sensor ONLY for spare/replacement with TIENet 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable. (Teledyne Isco 684360061)	21,270.21	1,055.64
		Note: Includes sensor accesories.		
46 82 83 00-4227	EA	Signature® Base Station system with base station 624300005, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684300000)	4,917.31	244.05
		Note: Includes mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.		
46 82 83 00-4228	EA	Mounting Plate for the Signature Base Meter (Teledyne Isco 604303043)	50.31	2.50
46 82 83 00-4229	EA	Spring Ring for 6 inch diameter pipe (Teledyne Isco 683200007)	217.28	10.78
46 82 83 00-4230	EA	Spring Ring for 8 inch diameter pipe (Teledyne Isco 683200008)	217.28	10.78
46 82 83 00-4231	EA	Spring Ring for 10 inch diameter pipe (Teledyne Isco 683200009)	217.28	10.78
46 82 83 00-4232	EA	Spring Ring for 12 inch diameter pipe (Teledyne Isco 683200010)	217.28	10.78
46 82 83 00-4233	EA	Spring Ring for 15 inch diameter pipe (Teledyne Isco 683200011)	217.28	10.78
46 82 83 00-4234	EA	Scissors Ring for 16 inch to 23 inch diameter pipes. Includes base section, scissors mechanism, and one pair of 7.5 inch extensions. (683000042)	1,136.70	56.42
46 82 83 00-4235	EA	Scissors Ring for 16 inch to 36 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 20 inch extensions. (Teledyne Isco 683000043)	1,438.60	71.39
46 82 83 00-4236	EA	Scissors Ring for 39 inch to 43 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 30 inch extensions. (Teledyne Isco 683000044)	1,509.51	74.92
46 82 83 00-4237	EA	Scissors Ring for 45 inch to 49 inch diameter pipes Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000045)	1,555.25	77.19
46 82 83 00-4238	EA	Scissors Ring for 50 inch to 54 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, and one pair of 30 inch extensions. (Teledyne Isco 683000061)	1,694.75	84.12
46 82 83 00-4239	EA	Scissors Ring for 58 to 62 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and two pairs of 30 inch extensions. (Teledyne Isco 683000046)	1,811.40	89.90
46 82 83 00-4240	EA	Scissors Ring for 72 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions and two pairs of 40 inch extensions. (Teledyne Isco 683000047)	1,925.75	95.57
46 82 83 00-4241	EA	Scissors Ring for 16 inch to 80 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, one pair of 30 inch extensions, and one pair of 40 inch extensions. (Teledyne Isco 683000048)	2,227.65	110.56
46 82 83 00-4242	EA	Sensor mounting plate. Flat plate for mounting up to 3 sensors in rectangular, trapezoidal or irregular channels. Includes plastic ties to fasten the sensor cable, and installation instructions. (Teledyne Isco 603004196)	203.55	10.10
		Note: Requires carriers for low profile area velocity sensors, submerged probes, pH probes, temperature probes, bubble lines, D.O. sensors, and pH sensors. Not recommended for ADFM/accQmin sensors.		
46 82 83 00-4243	EA	Spreader bar. To suspend flow meter or logger in manhole. Adjusts from 22.5 inch to 48 inch. (Teledyne Isco 603004110)	811.93	40.30
46 82 83 00-4244	EA	Cable joiner, IP68 rated. Includes three position terminal block and sealed housing suitable for making connections to the 2105 Universal Cable or other unterminated wires (14 AWG max). Assembled dimensions are 1.5 inches (38 mm) diameter by 4.25 inches (105 mm) length. (Teledyne Isco 602007580)	150.95	7.49
46 82 83 00-4245	LF	Cable, two conductor, 18 gauge with PVC jacket. (Teledyne Isco 480024200)	2.29	0.11
		Note: Compatible with three-hole cord grip fitting 604304080.		
46 82 83 00-4246	LF	Cable, three conductor, 22 gauge with PVC jacket. (Teledyne Isco 480144601)	2.29	0.11
		Note: Compatible with three-hole cord grip fitting 604304080.		
46 82 83 00-4247	EA	Cord grip fitting for cable diameters from 0.250 to 0.375 inches (6.35 to 9.53 mm). (Teledyne Isco 209007311)	48.03	2.38
		Note: For user-supplied cables within this diameter range.		
46 82 83 00-4248	EA	Three-hole cord grip fitting. Cable diameter range: 0.20 to 0.23 in (5.0 to 5.84 mm). (Teledyne Isco 604304080)	48.03	2.38
46 82 83 00-4249	EA	SPA 2018. External TIENet® bubbler module. (Teledyne Isco 605324018)	4,002.46	198.64
		Note: Order bubble tube, bubble line, and other accessories separately. Order TIENet bulk cable as necessary to support remote operation.		
46 82 83 00-4250	EA	SPA 2023. Cut To Length Remote Totalizer Output Modification for Signature Series Flow Meter. Includes cut to length output cable, cord grip from Signature® meter and cord grip for routing the cable with pigtails into box (not included). (Teledyne Isco 605324023)	411.68	20.43
		Note: Same count as optional front panel totalizer receives. The totalizer must be purchased separately; appropriate for use with 60-5314-655 mechanical totalizer.		
		For Each LF Of Extension Cable, Add	*2.43*	
46 82 83 00-4251	EA	SPA 1655. Remote Non-Resettable 12 Volt DC 8-digit mechanical counter. (Teledyne Isco 605314655)	917.14	45.52
		Note: Requires user-supplied weather-proof conduit or cord grip fitting to maintain weatherproof rating. Appropriate for connection to 4200 series flow meter with a 60-5304-899 (SPA 899) Remote Totalizer Output or Signature® series flow meter with a 60-5324-023 (SPA 2023) Remote Totalizer Output. Use 4200 series accessories for totalizers that count sample initiation signals (programmable volume flow pulses). Appropriate for connection to 4501 Pump Station Monitor or 3010 flow logger or other devices, contact factory for details. Counter is in a weatherproof housing with an internal barrier block for connection to external equipment.		
46 82 83 00-4252	EA	SPA 2044. Cable, external 12 Volt DC to power Signature meter. (Teledyne Isco 605324044)	240.15	11.92
		Note: This cut to length cable, 50-foot maximum length, is equipped with a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature® meter in non-conduit applications, a fuse, pigtail wires to connect to the Signature meters internal barrier block and alligator clips for connection to an external 12 Volt DC source.		
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4253	EA	SPA 2045. Cable, external 12 Volt DC to power Signature® meter. (Teledyne Isco 605324045)	226.42	11.24
		Note: This cut to length cable, 50-foot maximum length, is equipped with a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature meter in non-conduit applications, a fuse, pigtail wires to connect to the Signature® meters internal barrier block and 5/16-inch ring terminals for connection to an external 12 Volt DC source.		
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4254	EA	SPA 2046. SDI-12 Submersible temperature sensor probe for Signature® meter. Standard cable length is 59 feet, available with a submersible splice up to 200-foot maximum length for an additional fee. Equipped with pigtail wires for connection to one of two of the Signature meter's internal SDI-12 barrier blocks and a TIENet® cord grip fitting (209-0073-11) for watertight connection to the Signature meter in non-conduit applications. (Teledyne Isco 605324046)	2,801.72	139.04
		For Each LF Of Extension Cable, Add	*2.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4255	EA	SPA 2060. Barrier for Signature hazardous location approved TIENet® Ultrasonic (not included). (Teledyne Isco 605324060) Note: Spa 2060 barrier is placed in a safe area and the associated sensor is located in a hazardous area. Provides weatherproof box with terminals and power supply for connection to external 120VAC and ground and terminals for connection to ultrasonic sensor. To connect between barrier and Signature use 60-4304-050 and 209-0073-12.	7,851.68	389.68
46 82 83 00-4256	EA	SPA 2024. Signature power loss alarm, Supplied with cord grip and a 3' cable with pig tail wires that route into Signature from external weatherproof box, includes a 20' cable wired internally to non-powered contacts. Not a TieNet device, connects directly to DC voltage terminals. (Teledyne Isco 605324024)	635.82	31.56
46 82 83 00-4257	EA	SPA 194. Spring ring for 4" diameter pipe (Teledyne Isco 605304194)	219.57	10.89
46 82 83 00-4258	EA	SPA 1916. Spring ring for 5" diameter pipe (Teledyne Isco 605314916)	219.57	10.89
46 82 83 00-4259	EA	SPA 1873. Spring ring for 7" diameter pipe (Teledyne Isco 605314873)	256.15	12.71
46 82 83 00-4260	EA	SPA 1172. Spring ring for 9" diameter pipe (Teledyne Isco 605314172)	244.72	12.15
46 82 83 00-4261	EA	SPA 1784. Spring ring for 14" diameter pipe (Teledyne Isco 605314784)	244.72	12.15
46 82 83 00-4262	EA	SPA 913 Modification to add scissor mechanism to spring ring, purchase spring ring separately, contact factory for rings below 10" diameter. (Teledyne Isco 605304913)	823.37	40.86
46 82 83 00-4263	EA	Signature® Portable Ultrasonic Flow Meter System. (Teledyne Isco 684310100) Note: Starting price includes base meter 624300006, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, TIENet 310 ultrasonic level sensor with 32.8' cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	8,576.71	425.67
46 82 83 00-4264	EA	12 Volt DC, 6.5 Ampere Hours, Lead-Acid Battery. Rechargeable Model 946 (Teledyne Isco 603004106) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. Recharge using Model 963 or 965 battery charger.	407.11	20.20
46 82 83 00-4265	EA	12 Volt DC, 45 Ampere Hours Lead-Acid Battery, Rechargeable Model 948 (Teledyne Isco 683000948) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers and 4200 Series Flow Meters. Recharge using battery charger, part number 341-0118-12.	585.51	29.06
46 82 83 00-4266	EA	High Capacity Power Pack. Converts 120 Volt AC, 50/60 Hertz to 12 Volt DC. Model 913 (Teledyne Isco 601684088) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. Includes separate output for charging Isco batteries. UL and ULC listed.	594.66	29.51
46 82 83 00-4267	EA	High Capacity Power Pack. Converts 240 Volt AC, 50/60 Hertz to 12 Volt DC. Model 923 (Teledyne Isco 603004190) Note: For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and Signature Portable Flow Meters. Includes separate output for charging Isco batteries.	875.97	43.47
46 82 83 00-4268	EA	Battery Backed Power Pack. Converts 120 Volt AC, 50/60 Hertz to 12 Volt DC. Model 914 (Teledyne Isco 683004130) Note: For use with Isco GLS, 3700, and 6700 Series Portable Samplers; 4200 Series and Signature Portable Flow Meters. Includes internal backup battery. UL and ULC listed.	1,251.05	62.10
46 82 83 00-4269	EA	Battery Backed Power Pack, Converts 240 Volt AC, 50/60 Hertz to 12 Volt DC. Model 924 (Teledyne Isco 683004160) Note: For use with Isco GLS, 3700, and 6700 Series Portable Samplers; 4200 Series and Signature Portable Flow Meters. Includes internal backup battery.	1,184.72	58.79
46 82 83 00-4270	EA	TIENet® 306 Sampler Interface with 10 m (32.8 ft) cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304076) Note: Supports flow pacing and sampler enabling.	1,155.00	57.33
46 82 83 00-4271	EA	TIENet® 306 Sampler Interface with 23 m (75 ft) cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304077) Note: Supports flow pacing and sampler enabling.	1,374.55	68.22
46 82 83 00-4272	EA	TIENet® 306 Sampler Interface with cut-to-length cable. Interface cable includes a TIENet plug. (Teledyne Isco 604304078) Note: Supports flow pacing and sampler enabling.	1,143.56	56.75
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4273	EA	TIENet ® 301 pH and temperature sensor interface with 32.8 ft (10 m) long cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307070)	2,703.38	134.17
46 82 83 00-4274	EA	TIENet® 301 pH and temperature sensor interface with 75 ft (23 m) long cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307071)	2,911.50	144.51
46 82 83 00-4275	EA	TIENet® 301 pH and temperature sensor interface with cut-to-length cable with TIENet plug. Includes pH and temperature sensor (60-9004-126) with 25 ft (7.6 m) cable, and calibration buffers and electrode rinse solution for initial commissioning. (Teledyne Isco 604307072)	2,703.38	134.17
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4276	EA	TIENet Receptacle Y-cable. (Teledyne Isco 604304066) Note: Extends the network by providing two TIENet receptacles to which compatible devices with a TIENet plug may be attached.	896.55	44.50
46 82 83 00-4277	EA	TIENet® 350 Area Velocity sensor with plug and 10 m (32.8 ft) cable. (Teledyne Isco 604354023)	4,231.17	210.00
46 82 83 00-4278	EA	TIENet® 350 Area Velocity sensor with plug and 23 m (75 ft) cable. (Teledyne Isco 604354024)	4,425.57	219.65
46 82 83 00-4279	EA	TIENet® 350 Area Velocity sensor with plug and cut-to-length cable. (Teledyne Isco 604354025)	4,231.17	210.00
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4280	EA	Signature® Portable Base Meter. (Teledyne Isco 624300006) Note: Base meter includes carrying handle with stand, desiccant cartridge, and 12 Volt DC power input cable. This item does not include a flow technology, power, and configured options which must be ordered separately when not ordered as a system.	5,832.16	289.44
46 82 83 00-4281	EA	Signature® Portable Bubbler Flow Meter System. (Teledyne Isco 684330100) Note: Starting price includes base meter 624330004 with internal bubbler, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	9,148.47	454.04
46 82 83 00-4282	EA	Signature® Portable Base Meter. (Teledyne Isco 624330004) Note: Base meter includes carrying handle with stand, desiccant cartridge, and 12 Volt DC power input cable. This item does not include power, bubble tube, bubble line, and configured options which must be ordered separately when not ordered as a system.	5,832.16	289.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4283	EA	Signature® Portable Area Velocity Flow Meter System. (Teledyne Isco 684350100) Note: Starting price includes base meter 624300006, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, TIENet 350 area velocity sensor with 32.8' cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	10,292.03	510.80
46 82 83 00-4284	EA	Signature® Portable LaserFlow system with base meter 624300006, TIENet® 360 LaserFlow sensor with built-in ultrasonic level sensor and 32.8 ft (10 m) cable, choice of mounting hardware, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. (Teledyne Isco 684360160) Note: Includes mounting hardware, cable lengths, remote level sensing, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	27,559.78	1,367.80
46 82 83 00-4285	EA	TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable and built-in ultrasonic level sensor. Cable is terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3098)	21,498.92	1,067.00
46 82 83 00-4286	EA	TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable and built-in ultrasonic level sensor . Cable is terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3099)	21,693.33	1,076.64
46 82 83 00-4287	EA	TIENet® 360 LaserFlow with built-in level sensor. Includes cut-to-length cable with TIENet plug. (Teledyne Isco 604364077)	21,498.92	1,067.00
	For Each LF Of Extension Cable, Add		*4.33*	
46 82 83 00-4288	EA	TIENet® 360 LaserFlow™ sensor with receptacle for remote level sensor. LaserFlow sensor includes 32.8 ft (10 m) cable terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module. (Teledyne Isco 682160061-ISCO3100) Note: Excludes Signature® portable meter, 2160 LaserFlow module, TIENet 310 Ultrasonic level sensor which must be ordered separately.	18,640.03	925.11
46 82 83 00-4289	EA	TIENet® 360 LaserFlow™ sensor with receptacle for remote level sensor. LaserFlow sensor includes 75 ft (23 m) cable terminated with a TIENet plug for connection to a Signature® portable meter or a 2160 LaserFlow module(Teledyne Isco 682160061-ISCO3101) Note: Excludes Signature® portable meter,2160 LaserFlow module, TIENet 310 Ultrasonic level sensor which must be ordered separately.	18,834.43	934.75
46 82 83 00-4290	EA	TIENet® 360 LaserFlow sensor for remote level sensor with cut-to-length cable and TIENet plug. (Teledyne Isco 604364079) Note: Excludes TIENet 310 Ultrasonic level sensor which must be configured or ordered separately.	18,640.03	925.11
	For Each LF Of Extension Cable, Add		*4.33*	
46 82 83 00-4291	EA	Signature® Portable Base Meter System. (Teledyne Isco 684300100) Note: Starting price includes base meter 624300006, carrying handle with stand, 1' TIENet® receptacle cable, 12 Volt DC power input cable, instruction manual, pocket guide, and coupon for Isco Open Channel Flow Meter Handbook. Configured options may include mounting hardware, cable lengths, power, I/O, interfaces, communication, totalizer, and rain gauge connector.	6,060.86	300.80
46 82 83 00-4292	EA	Suspension harness. To hang flow meter from a manhole rung, etc. (Teledyne Isco 601704016)	125.79	6.24
46 82 83 00-4293	EA	Model 963 lead-acid float battery charger. (Teledyne Isco 683004198) Note: For charging Isco 946 and 947 batteries one at a time. Equipped with an IEC 320 for connection to 120/240 Volt AC, 50/60 Hertz power. North American units are shipped with a line cord. Varies output current as battery becomes charged, preventing overcharging. UL listed and CE marked.	510.02	25.31
46 82 83 00-4294	EA	Model 965 Five-Station Battery Charger with North America 120 Volt AC power cord. (Teledyne Isco 683000965) Note: Powered by 120 or 240 Volt AC, 50/60 Hz (user-switched). UL listed. Charges five Isco 934 Nickel-Cadmium Batteries, or five Isco 946 or 947 Lead-Acid Batteries, simultaneously.	1,587.26	78.77
46 82 83 00-4295	EA	Portable 12 Volt DC, 6 Amperes Battery Charger. Powered by 120 Volt AC, 50/60 Hertz. UL listed. (Teledyne Isco 341011812) Note: For use with Model 948 Lead-Acid Battery only.	257.30	12.77
46 82 83 00-4296	EA	3010 Ultrasonic Flow Transmitter. Includes an ultrasonic level sensor with a 50 ft. cable, sensor mounting bracket, instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 683010028) Note: For non-conduit wiring, a separate power cord and a watertight cord grip fitting (part number 209-0076-03) for the sensor cable are required. Order other sensor mounting hardware as required.	4,105.38	203.75
46 82 83 00-4297	EA	Ultrasonic level sensor only. With 50 ft. cable. For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-03) is required. (Teledyne Isco 603404082)	960.58	47.68
46 82 83 00-4298	EA	Ultrasonic sensor quick disconnect box. (Teledyne Isco 603404052) Note: Provides an external connection point for connecting the 3010 to an ultrasonic level sensor through conduit. Requires extension cable listed below. For non-conduit wiring, 3 watertight cord grip fittings (one part number 209-0076-03 and two part number 209-0076-08) are required.	368.23	18.28
46 82 83 00-4299	LF	SPA 922. 3010 Sensor Extension Cable, cut to length, per ft. (Teledyne Isco 605304922) Note: Normally used with 603404052 disconnect box to add distance between sensor and 3010. Maximum available length is 975 ft. Cable has spade lugs on one end, bare wires on other.	5.67	0.28
46 82 83 00-4300	EA	Connect cable, 3000 Series to Isco Sampler. 25 ft. length. (Teledyne Isco 603404051) Note: For non-conduit wiring, a watertight cord grip fitting (part number 209-0076-04) is required.	354.51	17.59
46 82 83 00-4301	EA	High/low alarm relays. For use with both 3000 and 4200 series. Two alarm relays with field settable trip points (based on flow rate), in conduit mount enclosure. Includes instructions. Requires customer supplied 3 conductor (18 ga. minimum) shielded wire with a 250 ft. maximum length. For non-conduit wiring, 2 watertight cord grip fittings are required. (Teledyne Isco 603404028) Note: Requires connect cable 60-3214-088 for use with 4200 Series Flow Meters.	1,136.70	56.42
46 82 83 00-4302	EA	Instruction manual for high/low alarm relays. (Teledyne Isco 603403071)	53.56	
46 82 83 00-4303	EA	3010 instruction manual. (Teledyne Isco 603404070)	113.31	
46 82 83 00-4304	EA	3020 instruction manual. (Teledyne Isco 603404058)	61.80	
46 82 83 00-4305	EA	Teledyne Isco Open Channel Flow Measurement Handbook, 7th Edition. (Teledyne Isco 603003041)	144.10	7.15
46 82 83 00-4306	EA	2150 Flow Module with 2191 Battery Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable, 2 battery holders, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050002) Note: Requires Flowlink software and computer connect cable (sold separately).	11,323.54	561.99
46 82 83 00-4307	EA	2150 Flow Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050001)	9,587.61	475.83
46 82 83 00-4308	EA	2150 Flow Module with 2191 Battery Module, 2 battery holders, and carrying handle with suspension strap,.instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682050003) Note: Requires Flowlink software and computer connect cable (sold separately). Excludes area velocity sensor.	9,073.00	450.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4309	EA	2150 Flow Module (Teledyne Isco 602004007) Note: Excludes 2191 Battery Module, Area Velocity Sensor, manual, and carrying handle.	7,080.92	351.43
46 82 83 00-4310	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 33 ft. (10 m) cable. Contact the factory for cable lengths up to 75 ft. (23 m). (Teledyne Isco 602004135)	2,673.64	132.70
46 82 83 00-4311	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 50 ft (15 m) cable. (Teledyne Isco 602004546)	2,813.15	139.62
46 82 83 00-4312	EA	Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 75 ft (23 m) cable. (Teledyne Isco 602004549)	2,929.80	145.41
46 82 83 00-4313	EA	SPA 1646. 2150 Area Velocity Sensor, 30 ft. level range, built to length. (Teledyne Isco 605314646) Note: This is an extended range sensor used exclusively for the 2150. Maximum length is 100 ft. Please specify length when ordering.	2,447.22	121.45
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4314	EA	SPA 1332. Teflon Coated Sensor for 2100/4100/4200 Series Probes. (Teledyne Isco 605314332) Note: Must be ordered in tandem with cut to length probe (commonly 60-5304-841, 60-5314-074, 60-5314-233, 60-5314-271 or 60-5314-646). Has been used to deter solvents from attacking the body of the probe.	633.53	31.45
46 82 83 00-4315	EA	USB Communication Cable, 10 ft. (3 m). Connects 2100 Series Module top connector to PC with USB connector. (Teledyne Isco 602004507)	596.94	29.63
46 82 83 00-4316	EA	RS232 Communication Cable, 10 ft. (3 m). Connects 2100 Module to PC with 9 pin Serial port connector. (Teledyne Isco 602004046) Note: Contact the factory for cable lengths up to 100 ft., or for cable to PC with 25 pin connector.	562.62	27.93
46 82 83 00-4317	EA	2100 Series sampler interface. (Teledyne Isco 682000014)	1,065.80	52.90
46 82 83 00-4318	EA	SPA 1479. Sampler interface cable for 2110/2150, custom length. Maximum length 1,000 feet, minimum length 5 ft to allow between sampler's flow meter port and 2110 or 2150. For 5800/4700 sampler, order in tandem with part number 60-5314-697. Enters bottom port of 2110 or 2150, this is the cut to length version of part number 68-2000-014. (Teledyne Isco 605314479) Note: If the 2100 application requires a 2108 module use part number 60-5314-562, which connects to the top of the 2100 stack.	994.89	49.38
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4319	EA	Din rail mount DC power supply. Input 115-230 Volt AC 50/60 Hertz, Output 12 Volt DC, 1.5 Amperes (Teledyne Isco 341000218)	285.89	14.19
46 82 83 00-4320	EA	2100 Series Module Mounting Plate. ABS plastic plate for mounting 2100 system to wall. (Teledyne Isco 602004262)	292.75	14.53
46 82 83 00-4321	EA	SPA 1334. 2100 Mounting Plate with Battery/Power Pack Holder. Stainless steel plate for mounting 2100 system to wall. Mounting plate includes location and latches to secure the battery or power pack. (Teledyne Isco 605314334) Note: Connecting an Isco battery or power pack to a 2100 series module will require a two-pin power adapter cable, 60-5314-290, not included.	633.53	31.45
46 82 83 00-4322	EA	Maintenance Kit for 2100 Module. Includes five O-rings for connectors, silicon grease for O-ring lubricant, hydrophobic filter, one O-ring for desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602059001)	91.49	4.54
46 82 83 00-4323	EA	2150 Flow Module Instruction Manual. (Teledyne Isco 602004038)	131.85	
46 82 83 00-4324	EA	SPA 1233. 2150 Area Velocity Sensor, built to length. (Teledyne Isco 605314233) Note: This is the sensor used exclusively for the 2150. Maximum length is 75 ft. Please specify length when ordering.	2,287.13	113.51
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4325	EA	SPA 1326. 2150 Sensor Extension Cable, built to length, per ft. (Teledyne Isco 605314326) Note: Maximum length is 75 ft. Specify length when ordering. Extends the distance between the 2150 and the sensor.	365.94	18.15
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4326	EA	SPA 1601. Q.D. Box for 2150 A/V Sensor. This is normally used with SPA 1602 when desired span between 2150 and area velocity sensor exceeds 75 ft. or routing through conduit. (Teledyne Isco 605314601)	1,159.57	57.55
46 82 83 00-4327	EA	SPA 1602. 2150 to Q.D. Box Connect Cable, built to length. Cable connects to sensor port of the 2150 and is supplied with spade lugs on the opposite end for connection to the terminal strip of SPA 1601. Maximum length is 250 ft. (Teledyne Isco 605314602)	377.37	18.73
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4328	EA	2150 Area Velocity Sensor Simulator. This test plug connects to module in place of A/V sensor and provides simulated data to the 2150 module. (Teledyne Isco 602004430)	937.71	46.54
46 82 83 00-4329	EA	2110 Ultrasonic Module with 2 m sensor. Includes one maintenance kit, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000072) Note: Requires Flowlink software and computer connect cable (sold separately).	7,618.40	378.10
46 82 83 00-4330	EA	2110 Ultrasonic Module with 2191 Battery Module and 2 m sensor. Includes carrying handle with suspension strap, 2110 and 2191 module maintenance kits, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000073) Note: Requires Flowlink software and computer connect cable (sold separately).	9,283.43	460.74
46 82 83 00-4331	EA	2110 Ultrasonic Module with 4 m sensor. Includes one maintenance kit, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. Requires Flowlink software and computer connect cable (sold separately). (Teledyne Isco 682000074)	8,556.11	424.63
46 82 83 00-4332	EA	2110 Ultrasonic Module with 2191 Battery Module and 4 m sensor. Includes carrying handle with suspension strap, 2110 and 2191 module maintenance kits, instruction manual, and a coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000075) Note: Requires Flowlink software and computer connect cable (sold separately).	10,244.01	508.42
46 82 83 00-4333	EA	2110 Ultrasonic Module with instruction manual. (Teledyne Isco 602004400)	5,134.57	254.83
46 82 83 00-4334	EA	Ultrasonic level sensor 2 m, 150 KHz, for 2110 Ultrasonic Module with 4 to 72 inch measurement range (0.1 to 1.8 m) and 33 ft. (10 m) cable. (Teledyne Isco 602004419)	2,531.84	125.66
46 82 83 00-4335	EA	Ultrasonic level sensor 4 m, 95 KHz, for 2110 Ultrasonic Module with 12 to 144 inch measurement range (0.3 to 3.6 m) and 33 ft. (10 m) cable. (Teledyne Isco 602004420)	3,398.66	168.68
46 82 83 00-4336	EA	Reflector plate for horizontal mounting of 2110 Ultrasonic level sensor. (Teledyne Isco 602008013)	155.52	7.72
46 82 83 00-4337	EA	In-pipe mounting using Isco mounting ring. (Teledyne Isco 602007419) Note: This kit provides mounting hardware required to attach the sensor to an Isco mounting ring (not included).	1,026.92	50.96
46 82 83 00-4338	EA	Mounting bracket for large pipe and flat roof channel. (Teledyne Isco 602003622)	84.61	4.21
46 82 83 00-4339	EA	Ultrasonic level sensor suspension hardware with straightener tube. (Teledyne Isco 602004610)	928.57	46.08
46 82 83 00-4340	EA	SPA 1542. Module to module cable with dust cap. (Teledyne Isco 605314542) Note: May be used with a standard 2100 interrogation cable to create a 2 piece interrogate cable for remote connection to 2100 series. Maximum length is 100 ft. with interrogate cable or 1,000 to 3,300 feet for most other applications. Contact factory for lengths exceeding 1,000 ft.	377.37	18.73
		For Each LF Of Extension Cable, Add	*4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4341	EA	2110 Instruction Manual (Teledyne Isco 602004410)	131.85	
46 82 83 00-4342	EA	SPA 1509. 2110 Ultrasonic Level Sensor Quick Disconnect Box. Used with SPA 1581 cable assembly for conduit installations of the 2110. (Teledyne Isco 605314509)	715.86	35.53
46 82 83 00-4343	EA	SPA 1569. Cut to length 2110 ultrasonic sensor extension cable (sensor not included), 75' maximum length. (Teledyne Isco 605314569)	365.94	18.15
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4344	EA	SPA 1581. Cable Assembly for use with 2110 Quick Disconnect Box. Cable is built to customer desired length. (Teledyne Isco 605314581)	434.55	21.57
		For Each LF Of Sensor Extension Cable, Add	*5.11*	
46 82 83 00-4345	EA	SPA 1888. Ultrasonic level sensor 2 m, 150 KHz, for 2110 Ultrasonic Module with 4 to 72 inch measurement range (0.1 to 1.8 m) and built to length cable , 100' maximum length. (Teledyne Isco 605314888)	2,492.96	123.72
		For Each LF Of Extension Cable, Add	*4.68*	
46 82 83 00-4346	EA	Portable 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3165) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	28,428.90	1,410.93
46 82 83 00-4347	EA	Portable 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 10 m cable, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3171) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	28,428.90	1,410.93
46 82 83 00-4348	EA	Portable 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, TIENet 350 Area Velocity Sensor Surcharge Kit, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3173) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	32,843.04	1,630.00
46 82 83 00-4349	EA	Portable 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, TIENet 350 Area Velocity Sensor Surcharge Kit, 2160 LaserFlow module, 2191 Battery module with carrying handle and suspension strap. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3176) Note: Requires wall mount or temporary mount for LaserFlow sensor, Flowlink software and computer connect cable.	32,843.04	1,630.00
46 82 83 00-4350	EA	Permanent 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3164) Note: Requires Flowlink software and computer connect cable. Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	26,599.20	1,320.12
46 82 83 00-4351	EA	Permanent 2160 LaserFlow™ System. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32,8 ft (10 m) cable , and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3170) Note: Requires Flowlink software and computer connect cable. Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	26,599.20	1,320.12
46 82 83 00-4352	EA	Permanent 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, TIENet 350 Area Velocity Sensor Surcharge Kit, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3172) Note: Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	31,036.22	1,540.32
46 82 83 00-4353	EA	Permanent 2160 LaserFlow™ System with Surcharge Kit. This system includes TIENet® 360 LaserFlow Sensor with 32.8 ft (10 m) cable, remote Ultrasonic level sensor with 32.8 ft (10 m) cable, TIENet 350 Area Velocity Sensor Surcharge Kit, and 2160 LaserFlow module. The system includes one 2100 Series maintenance kit, instruction manual, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160060-ISCO3175) Note: Requires an external 12 Volt DC power source, wall mount or temporary mount for LaserFlow sensor, mount for 2160 module, Flowlink software and computer connect cable.	31,036.22	1,540.32
46 82 83 00-4354	EA	2160 LaserFlow™ module with 2191 Battery Module. Does not include TIENet 360 LaserFlow Sensor. Includes carrying handle and suspension strap, instruction manual, maintenance kit, and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682160014)	6,335.32	314.42
46 82 83 00-4355	EA	2160 LaserFlow module (Teledyne Isco 602004700) Note: Excludes TIENet 360 LaserFlow sensor.	4,437.02	220.21
46 82 83 00-4356	EA	Maintenance Kit for 2191 Battery Module. Includes three O-rings for connectors, two gaskets for battery doors, two bags of desiccant, two desiccant indicators, and instructions. (Teledyne Isco 602099001)	93.77	4.66
46 82 83 00-4357	EA	2191 Battery Module. Includes 2 battery holders. (Teledyne Isco 602004006)	1,665.02	82.63
46 82 83 00-4358	EA	Carrying handle for 2100 series modules. Attaches between two modules. (Teledyne Isco 602004377)	157.81	7.83
46 82 83 00-4359	EA	Suspension strap/carrying handle. Stainless steel cable, 18 inches (46 cm) wrapped by PVC tubing, with two stainless steel snap hooks. (Teledyne Isco 601704017)	54.88	2.72
46 82 83 00-4360	EA	TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 682160061-ISCO3104) Note: The remote Ultrasonic is not included and must be purchased separately.	22,390.91	1,111.26
46 82 83 00-4361	EA	TIENet® 360 LaserFlow™ sensor with 32.8 ft (10 m) cable, built-in Ultrasonic level sensor, and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3102)	25,478.51	1,264.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4362	EA	TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). The connector to connect remote Ultrasonic sensor is included. (Teledyne Isco 682160061-ISCO3105)	22,814.02	1,132.27
		Note: The remote Ultrasonic is not included and must be purchased separately.		
46 82 83 00-4363	EA	TIENet® 360 LaserFlow™ sensor with 75 ft (23 m) cable, built-in Ultrasonic level sensor, and TIENet 350 Surcharge Kit. Cable is terminated with TIENet plug for 2160 LaserFlow module (not included). (Teledyne Isco 682160061-ISCO3103)	25,672.91	1,274.14
46 82 83 00-4364	EA	2105 Network Interface Module only. (Teledyne Isco 602004560)	3,938.42	195.47
46 82 83 00-4365	EA	2105 Network Interface Module with 2191 Battery Module. Includes carrying handle, and module maintenance kits. (Teledyne Isco 682000048)	5,415.90	268.79
46 82 83 00-4366	EA	2105ci CDMA Serial Over IP modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 682000099)	7,387.38	366.63
		Note: Requires customer-supplied static IP address service contract with Verizon.		
46 82 83 00-4367	EA	2105ci CDMA Cell Phone Package with 2191 Battery module and 60-2004-550 magnetic mount dual band antenna. This stack-on module provides wireless communications (configuration, data retrieval, push data, text message alarms) with the 2100 Series site. (Teledyne Isco 682000103)	8,851.15	439.28
		Note: Requires customer provided Verizon account with static IP service, paid by customer.		
46 82 83 00-4368	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes external magnetic mount antenna and module maintenance kit. (Teledyne Isco 682000093)	7,387.38	366.63
46 82 83 00-4369	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes external magnetic mount antenna and module maintenance kit. (Teledyne Isco 682000113)	7,387.38	366.63
46 82 83 00-4370	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes 2191 Battery Module, external magnetic mount antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000096)	8,165.02	405.23
46 82 83 00-4371	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes 2191 Battery Module, external magnetic mount antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000116)	8,165.02	405.23
46 82 83 00-4372	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes in-street antenna and module maintenance kit. (Teledyne Isco 682000094)	7,387.38	366.63
46 82 83 00-4373	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes in-street antenna and module maintenance kit. (Teledyne Isco 682000114)	7,387.38	366.63
46 82 83 00-4374	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G cellular modem. Includes in-street antenna, 2191 Battery Module, carrying handle, and module maintenance kits. (Teledyne Isco 682000089)	8,576.71	425.67
46 82 83 00-4375	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G cellular modem. Includes in-street antenna, 2191 Battery Module, carrying handle, and module maintenance kits. (Teledyne Isco 682000109)	8,576.71	425.67
46 82 83 00-4376	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes manhole-mounted antenna and module maintenance kit. (Teledyne Isco 682000095)	7,867.68	390.48
46 82 83 00-4377	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes manhole-mounted antenna and module maintenance kit. (Teledyne Isco 682000115)	7,867.68	390.48
46 82 83 00-4378	EA	2105Gi Network Interface Module with built-in Europe/Region B countries 3G GSM cellular modem. Includes 2191 Battery Module, manhole-mounted antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000097)	9,057.01	449.49
46 82 83 00-4379	EA	2105Gi Network Interface Module with built-in North America/Region A countries 3G GSM cellular modem. Includes 2191 Battery Module, manhole-mounted antenna, carrying handle, and module maintenance kits. (Teledyne Isco 682000117)	9,057.01	449.49
46 82 83 00-4380	EA	In-street antenna with improved connector for 2103ci/2103C/6712ci/6712C/6712G/6712Gi cellular telephone modems and 2105ci/2105C/2105G/2105Gi Network Interface modules manufactured in January 2010 and later. Designed for manhole applications. (Teledyne Isco 602004564)	434.55	21.57
		Note: When using "ci" equipment, the 60-2004-550 dual band is recommended for optimal performance.		
46 82 83 00-4381	EA	External magnetic mount antenna with improved connector for the 2103Gi cellular telephone modems and 2105Gi Network Interface modules manufactured in January 2010 and later. This general purpose antenna is recommended for enclosure installations. (Teledyne Isco 602004565)	434.55	21.57
46 82 83 00-4382	EA	External magnetic mount antenna with improved connector for the 2103ci/2103C cellular telephone modems and 2105ci/2105C CDMA Network Interface modules manufactured in January 2010 and later. Designed for enclosure applications. (Teledyne Isco 602004566)	434.55	21.57
		Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.		
46 82 83 00-4383	EA	SPA 1820. Manhole-mounted Antenna. (Teledyne Isco 605314820)	1,148.13	56.99
		Note: This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. For use with 2103ci/2103C/2105G, 2105ci/2105C/2105G, and 6712ci/6712C/6712G modems with an SMB connector. When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.		
46 82 83 00-4384	EA	SPA 1908. Blade Antenna with SMB style connector. This 5 inch long by 13/16 inch wide by 1/4 inch tall antenna comes equipped with a 10 foot cable and the antenna body is normally attached to an external surface with customer supplied epoxy. This antenna is for new style 2103ci/2103C/2103G/2103Gi, 2105ci/2105C/2105G/2105Gi, or 6712C/6712ci modules with an SMB style connector. See 60-5314-935 Blade antenna with SMA connector for old style models 2103Ci/2103Gi. (Teledyne Isco 605314908)	324.77	16.12
		Note: When using "ci" equipment, the 60-2004-550 dual band antenna is recommended for optimal performance.		
46 82 83 00-4385	EA	2105 Universal Cable. This 10 ft. cable has a 12-pin connector that connects to the 2105 module. The unterminated end of the cable may be spliced to other wiring or attached to a terminal strip. Includes instruction sheet. (Teledyne Isco 692004580)	292.75	14.53
46 82 83 00-4386	EA	2105 to 674 Rain Gauge connect cable. This 50 ft. cable has a 12-pin connector that connects to the 2105 module. The other end of the cable is terminated with two spade connectors that attach to the terminals in a 674 Rain Gauge. (Teledyne Isco 692004581)	361.37	17.93
		Note: If the rain gauge already has a cable, consider 69-2004-583 instead.		
46 82 83 00-4387	EA	2105 to YSI Sonde interconnect cable. This 10 inch adapter cable has a 12-pin connector that connects to the 2105 module. The other end of the cable has a connector that mates with a YSI field cable. (Teledyne Isco 692004582)	269.88	13.40
46 82 83 00-4388	EA	SPA 1811. 2105 to SDI-12 connection cable. This 10 ft. cable connects to the 2105 top connector and is terminated with same SDI-12 connector as the 6712 Sampler Rain Gauge/SDI-12 input port. This cable allows Isco-ready SDI-12 sondes specifically designed for use with the 6712 Sampler to be connected to the 2105 module. This cable is not for use with other SDI-12 sondes, including sondes with pigtail connections (see 69-2004-580 for pigtail input SDI-12 sondes). (Teledyne Isco 605314811)	354.51	17.59
46 82 83 00-4389	EA	SPA 1844. SDI-12 Pressure transducer or submerged probe for connection to the 2105. Includes a desiccator to vent the transducer to the atmosphere, length of cable is 100'. (Teledyne Isco 605314844)	3,739.44	185.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4390	EA	SPA 1855. This cut to length cable has a 12-pin connector that connects to the 2105 module's side connector and a 6-pin connector that connects to the 4200 series flow meter or 6712 sampler's interrogator port. The 2105 receives flow data. Max length is 100 ft; minimum length 5 ft if intended for connection to sampler. (Teledyne Isco 605314855)	240.15	11.92
		Note: Not for use with 5800/4700 sampler.		
		For Each LF Of Extension Cable, Add	*3.03*	
46 82 83 00-4391	EA	2105 to 674 Rain Gauge interconnect cable. This 10 inch cable has a 12-pin connector that connects to the 2105 module. The other end of the cable has a 4-pin connector that mates to the cable supplied with a 674 Rain Gauge. (Teledyne Isco 692004583)	306.47	15.21
46 82 83 00-4392	EA	2105 to GLS/3700/6700 Series/Avalanche Sampler Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable includes a 6-pin female connector that attaches to the sampler's Flow Meter port. The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004584)	722.74	35.87
46 82 83 00-4393	EA	Y-cable, one 2105 male to two 2105 female connections, 10 inches. Used to create two 2105 connections. (Teledyne Isco 692004585)	841.66	41.77
46 82 83 00-4394	EA	2105 to 5800/4700 Sampler Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 16-pin connector that mates to the 5800/4700 Refrigerator rear panel connector. The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004633)	768.46	38.14
46 82 83 00-4395	EA	2105 to 16-pin accQmin or standard ADFM system (box or canister) Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 16-pin connector that mates to an accQmin flow meter or standard ADFM system (box or canister). The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004587)	768.46	38.14
46 82 83 00-4396	EA	2105 to 9-pin standard ADFM system (canister) Y-cable. The common end of this Y-cable has a 12-pin connector that connects to the 2105 module. The 25 ft. leg of this cable has a 9-pin connector that mates to a standard ADFM system (canister). The 10 inch leg of this cable replicates the 12-pin 2105 connector to support other interface connections. (Teledyne Isco 692004589)	731.88	36.32
46 82 83 00-4397	EA	2103ci CDMA Cell Phone Package with 60-2004-550 magnetic mount dual band antenna. This stack-on module provides wireless communications (configuration, data retrieval, push data, text message alarms) with the 2100 Series site. Powered from the module stack. (Teledyne Isco 682000098)	5,283.24	262.21
		Note: Requires customer provided Verizon account with static IP service, paid by customer.		
46 82 83 00-4398	EA	In-street antenna for 2103c and 2103g modem communication modules with original connector (before January 2010). (Teledyne Isco 682000031)	434.55	21.57
		Note: Recommended for manhole installations.		
46 82 83 00-4399	EA	SPA 1891. Adapter cable to use antennas with original design (before January 2010) with modules manufactured in January 2010 and later. (Teledyne Isco 605314891)	196.70	9.76
46 82 83 00-4400	EA	SPA 1779. Old Style Manhole-mounted Antenna for Model 2103Ci/2103Gi with SMA style connector. (Teledyne Isco 605314779)	1,118.40	55.51
		Note: This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. Use 605314820 for new style Manhole-mounted antenna with SMB connector. This antenna is for old style 2103Ci/2103Gi with an SMA style connector.		
46 82 83 00-4401	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and Magnetic-mount Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-087)	5,466.21	271.29
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4402	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North America/Region A countries and Magnetic-mount Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-107)	5,466.21	271.29
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4403	EA	2103Gi Series GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and In-street Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 682000086)	5,466.21	271.29
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4404	EA	2103GI GSM Cell Phone Package with 3G GSM modem for North America/Region A countries and In-street Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-106)	5,466.21	271.29
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4405	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for Europe/Region B countries and Bolt-on Manhole Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 682000088)	5,946.50	295.13
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4406	EA	2103Gi GSM Cell Phone Package with 3G GSM modem for North American/Region A countries and Bolt-on Manhole Antenna with improved connector. Provided as a stack-on module. (Teledyne Isco 68-2000-108)	5,946.50	295.13
		Note: GSM cellular telephone service provided and paid for by customer. Provides wireless dial up and download with text message alarming. Powered from the module stack. Before ordering, contact the factory and confirm that compatible GSM service is available in the intended region.		
46 82 83 00-4407	EA	External magnetic mount antenna for the 2103g modem communication module with original connector (before January 2010). This five-inch tall general purpose antenna is recommended for enclosure installations. (Teledyne Isco 682000047)	457.43	22.70
46 82 83 00-4408	EA	2103, 2103C, and 2103G Modem Communication Module Instruction Manual. (Teledyne Isco 692003180)	117.43	
46 82 83 00-4409	EA	2102 Wireless Remote Module. Stacks on 2150 Flow Monitoring System to provide two-way communication with base module (sold separately). Includes 2102 manual. (Teledyne Isco 682000003)	4,597.11	228.15
46 82 83 00-4410	EA	2102 Wireless Base Module. Connects to computer running Flowlink software (v4.11 or higher) for communication with 2102 field monitoring stations. (Teledyne Isco 682000002)	5,031.66	249.73
		Note: Includes 12 Volt DC power adapter (#60-2004-050) for vehicle cigarette lighter, 120 VAC power adapter (#60-2004-057), and 2102 instruction manual. Requires Flowlink software and computer connect cable, sold separately.		
46 82 83 00-4411	EA	Connect Cable, 10 ft. (3 m). Connects 2102 Wireless Module to 6700 Series/Avalanche Sampler, 4200 Series Flow Meter, or 4100 Series Flow Logger. This connect cable will supply power from the sampler or flow meter to operate the 2102 wireless module. (Teledyne Isco 602004059)	462.00	22.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4412	EA	12 Volt DC power adapter, to power 2101 or 2102 Module from vehicle cigarette lighter. (Teledyne Isco 602004050)	247.01	12.26
46 82 83 00-4413	EA	120 Volt AC power adapter, to power a 2100 Series module from AC mains. (Teledyne Isco 602004057) Note: One end is terminated with a 2100 Series bottom connector. The other end has a wall transformer that plugs into a North American 120 VAC outlet.	269.88	13.40
46 82 83 00-4414	EA	SPA 1311. Remote antenna for 2102. Provides an adapter to 2102, 25' of cable, and remote antenna. This is available when the standard external antenna is unsuitable. A Yagi or omnidirectional antenna is sent based on customer application. (Teledyne Isco 605314311) Note: Earlier 2102s may require modification of 2102 to provide for external connector, contact SPA for details. US ONLY.	1,056.65	52.45
46 82 83 00-4415	EA	Maintenance Kit for 2102 Wireless Module. Includes three O-rings for connectors, silicon grease for O-ring lubricant, and instructions. (Teledyne Isco 602009002)	74.16	
46 82 83 00-4416	EA	2102 Wireless Module Instruction Manual. (Teledyne Isco 602003145)	123.61	
46 82 83 00-4417	EA	2108 Analog Output Module. Connects to 4-20 mA output to external non-Isco equipment. Requires a computer running Flowlink software (v4.15 or higher) to configure the 2108 module. Includes small DIN rail, removable connector, and instruction manual. Does not include cables. (Teledyne Isco 682000010)	2,836.02	140.75
46 82 83 00-4418	EA	2100 Series Connect Cable, 50 ft. (15 m). One cable end has a single connector to plug into bottom of 2100 Module. Opposite end is unterminated with six wires stripped for connection to 2108 Analog Output module. Quick Disconnect box, or other device. (Teledyne Isco 602004219)	445.99	22.14
46 82 83 00-4419	EA	Quick Disconnect Box. For 2100 Series network. (Teledyne Isco 602004228)	878.26	43.58
46 82 83 00-4420	LF	SPA 1417. Cable, 6 conductor, 24 gauge. General Cable #CO516. For use between Quick Disconnect box and network isolator/power barrier. Priced per ft. (Teledyne Isco 605314417) Note: Specify total length when ordering	4.80	0.24
46 82 83 00-4421	EA	2108 Instruction Manual (Teledyne Isco 692003239)	127.73	
46 82 83 00-4422	EA	SPA 1612. Mounting plate with 120 Volt AC Supply for 2100 Series modules and 2108 analog output. Made of aluminum (Teledyne Isco 605314612) Note: 2108 and power supply are mounted on a DIN rail. Power supply and 2108 are not NEMA rated. Power supply 341-0002-18 is included, the 2108 must be ordered separately.	878.26	43.58
46 82 83 00-4423	EA	2101 Field Wizard Module. Includes Module Extension Cable and 2101 instruction manual. Requires Flowlink software version 4.12 or higher and external power source. Does not include power source or RS232 Communications Cable. (Teledyne Isco 682000006)	4,711.48	233.82
46 82 83 00-4424	EA	Module Extension Cable. Connects two 2100 Series modules that are not stacked together. (Teledyne Isco 602004056) Note: Custom lengths available - use 60-5314-316.	370.52	18.39
46 82 83 00-4425	EA	SPA 1316. Module Extension Cable, custom length. Connects two 2100 Series modules that are not stacked together. (Teledyne Isco 605314316) Note: Specify custom length from 1 to 3,300 ft. (1,000 m). Contact factory for lengths exceeding 1,000 ft. May be used in tandem with USB communications cable (60-2004-507) for cut to length interrogate cable with a 100 ft. maximum length.	297.32	14.76
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4426	EA	Maintenance Kit for 2101 Field Wizard Module. Includes two O-rings for connectors, silicon grease for O-ring lubricant, desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602009001)	109.77	5.44
46 82 83 00-4427	EA	SPA 1429. 2100 non-Isco Battery Connect Cable. Built to length, per ft. Maximum length is 50 ft. For connection of 2100, via bottom connector, to customer supplied deep cycle battery. Not for use with 2108, see SPA 1456 if 2108 is part of the application. (Teledyne Isco 605314429)	560.34	27.80
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4428	EA	SPA 1456. 2100 Non-Isco Battery Cable, top connection. Built to length, per ft. Maximum length is 50 ft. For connection of 2100, via top connector, to customer supplied deep cycle battery with two large alligator clips. For use with customer-supplied batteries and the Isco 2100 System. Appropriate for use with the 2108 module. (Teledyne Isco 605314456)	537.47	26.68
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4429	EA	2101 Field Wizard Instruction Manual (Teledyne Isco 602004070)	123.61	
46 82 83 00-4430	EA	Alkaline Lantern Battery. Non-rechargeable, 6 Volt DC (Teledyne Isco 340200602) Note: For use with Isco 2191 Battery Module (2 required) or Isco 4100 Series Flow Loggers (2 required).	64.05	3.17
46 82 83 00-4431	EA	Model 945 Lead-Acid Lantern Battery. Rechargeable, 6 Volt DC (Teledyne Isco 602004041) Note: For use with Isco 2191 Battery Module (2 required).	91.49	4.54
46 82 83 00-4432	EA	Charging adapter for Model 945 Lead-Acid Lantern Batteries. Connects 2 Model 945 Batteries to Isco Model 963 or 965 Battery Charger. One required for every 2 batteries being recharged at one time. (Teledyne Isco 602004040)	301.89	14.98
46 82 83 00-4433	EA	2100 Power adapter cable, CE rated. Two-foot long cable includes connector for bottom of module stack and connector for an Isco model 934, 946, or 948 battery pack. (Teledyne Isco 692004451)	624.39	30.99
46 82 83 00-4434	EA	Carrying handle with suspension strap. For 2100 System with one to four modules plus 2191 Battery Module. (Teledyne Isco 682000001)	230.99	11.47
46 82 83 00-4435	EA	Maintenance Kit for 2103 Modem Module. Includes three O-rings for connectors, silicon grease for O-ring lubricant, desiccant, and instructions. (Teledyne Isco 602009004)	107.48	5.33
46 82 83 00-4436	EA	SPA 1232. 2100 Interrogate Cable, built to length. (Teledyne Isco 605314232) Note: This is the interrogate cable for connection from the top connector of the 2100 series to a computer via 9 pin serial connector. Maximum length is 100 ft. Please specify length when ordering.	667.83	33.15
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4437	EA	SPA 1290. 2100 Power Adapter Cable, Non CE rated. Allows use of standard 2-pin Isco power packs and batteries with 2100 systems. Built to length, per ft. Minimum length is 3 ft., maximum length is 25 ft. See part number 69-2004-451 for standard CE rated 2 ft. version. (Teledyne Isco 605314290) Note: Not for use with 2108 module.	651.84	32.35
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4438	EA	SPA 1347. Solar Panel With Bracket, 40 Watt, For Use With Customer Supplied Battery; 100 Ampere Hours Or Greater Recommended. (Teledyne Isco 605314347) Note: Includes pole mount bracket and an 8' cable with two 5/16" terminal lugs for connection to lead acid battery. Does not include a 12 Volt DC connect cable from the battery to an Isco device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power Isco devices excluding 2100 modules. For 2100 Series Module battery connect cables, use 60-5314-429 or 60-5314-456.	2,378.59	118.05
46 82 83 00-4439	EA	SPA 1377. Deep Stream Earth Anchor for Isco Sensors. Used to mount Isco sensors in saturated or deep stream beds. Screws into stream bottom. Includes quick connect tabs for mounting sensor carriers and the standard profile AV sensor.(Teledyne Isco 605314377) Note: For a low profile A/V probe also order part number 60-3204-029. Approximately 30 inches in length from top to bottom.	475.72	23.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4440	EA	SPA 1389. Aluminum Cable Shield, built to length. Aluminum shield for cable to protect from animal damage. (Teledyne Isco 605314389) Note: Must be ordered in tandem with cut to length probe (commonly 60-5304-841, 60-5314-074, 60-5314-233, 60-5314-271 or 60-5314-646) Maximum length is 75 ft. Contact factory for longer lengths.	219.57	10.89
		For Each LF Of Aluminum Cable Shield, Add	*6.39*	
46 82 83 00-4441	EA	SPA 1396. Two piece interrogator cable, cut to length, for 2100 Series devices. Mates to 60-2544-026 or 60-2544-027. (Teledyne Isco 605314396) Note: 200 ft. maximum length.	571.77	28.38
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4442	EA	SPA 1461. 2108 Power Cable. Spans the distance from 2108 and rest of stack. (Teledyne Isco 605314461) Note: Same as 602004219 50 ft. Power Node Cable, but built to length, per ft.	365.94	18.15
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4443	EA	SPA 1493. 2103 Modem Surge Protection. Includes surge protector with grounding strap, 50 ft. of cable with grounding plate to place on mounting ring of 2150. Contact factory for details if used with other Isco Instruments. (Teledyne Isco 605314493)	1,326.53	65.83
46 82 83 00-4444	EA	SPA 1519. Shallow Stream Earth Anchor for Isco Sensors. Used to mount Isco sensors in dry or shallow stream beds. Screws into stream bottom. Includes quick connect tabs for mounting sensor carriers or the standard profile AV sensor. (Teledyne Isco 605314519) Note: For a low profile A/V probe also order part number 60-3204-029. Approximately 15 inches in length from top to bottom.	475.72	23.61
46 82 83 00-4445	EA	SPA 1529. MODBUS Communications cable for use with 2100 System. Commonly used with TELOG 3307 System. Cable is built to length. (Teledyne Isco 605314529)	240.15	11.92
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4446	EA	SPA 1543. 10 watt solar panel and mounting bracket, without cable. Replaces 603004100. Connects with 603004097 cable. (Teledyne Isco 605314543)	1,498.06	74.36
46 82 83 00-4447	EA	SPA 1603. 2100 Y Cable. This cable connects to the bottom port of the 2100 series and provides two bottom connectors from single 2100 on 2 ft. cables. (Teledyne Isco 605314603)	528.33	26.22
46 82 83 00-4448	EA	SPA 1629. Solar Panel With Bracket, 110 Watt, For Use With Customer Supplied Battery; 12 Volt DC Deep-Cycle Or Lead-Acid Marine Battery, 100 Ampere Hours Or Greater Recommended. (Teledyne Isco 605314629) Note: Includes pole mount bracket and an 8' cable with two 5/16" terminal lugs for connection to lead acid battery. Does not include a 12 Volt DC connect cable from the battery to an Isco device. Refer to connect cables 60-1394-023, 60-5314-189, or 60-5304-921 to power Isco devices excluding 2100 modules. For 2100 Series Module battery connect cables, use 60-5314-429 or 60-5314-456.	5,223.79	259.25
46 82 83 00-4449	EA	SPA 1825. Cable for connection to top of 2100 series, provides all pins as bare wire ends. Similar to 60-2004-219 only connects to top connector. Useful if 2108 is employed because the 2108 module utilizes the bottom connector of the 2100 series stack. (Teledyne Isco 605314825)	354.51	17.59
		For Each LF Of Extension Cable, Add	*4.49*	
46 82 83 00-4450	EA	SPA 1929. External Box Inputs Up To 8 Channels of 4-20 mA Analog Input Signals to Modbus Output Interface for 2105. Outdoor rated enclosure provides a single 10-foot cable with sixteen pig tail wires for up to eight 4-20 mA input signals and another 9-foot output cable for output connection to the 2105 side connector. (Teledyne Isco 605314929)	5,146.02	255.40
46 82 83 00-4451	EA	SPA 1933. 2100 Sampler Interface with contact closure output for non-Isco sampler or PLC. Powered from 2150/2110/2105 bottom connection. Dry contacts change state momentarily every 1,000 gallons or 5,000 liters depending on 2100 set-up. (Teledyne Isco 605314933)	855.39	42.46
46 82 83 00-4452	EA	SPA 1942. External Box Inputs Up To 4 Channels of 4-20 mA Analog Input Signals to SDI-12 convertor for the 2105. Outdoor rated enclosure provides four 10-foot cables with pig-tail wires for connection to four 4-20 mA input signals and a 9-foot cable for connection to the 2105 side connector. (Teledyne Isco 605314942)	4,780.08	237.24
46 82 83 00-4453	EA	2150EX Flow Module with 2196EX Battery Module and carrying handle. Includes AV2150EX sensor with 3 meter (10 ft) level measurement range and 10 meter (33 ft) cable. Zone 1 and Cl I, Div 1 approved. (Teledyne Isco 682000043)	17,276.90	857.46
46 82 83 00-4454	EA	2150EX Flow Module with AV2150EX probe, Zone 0 and Cl I, Div 1 approved. Requires a 2196EX Battery Module (Zone 1 and Cl I, Div1), or power from a 2194EX Network Interface Module (Zone 0). (Teledyne Isco 682000021) Note: May also be used as an add-on module for a 2150EX system (up to two 2150EX Flow Modules per stack).	14,301.36	709.78
46 82 83 00-4455	EA	2150EX Flow module only, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004330)	11,252.64	558.47
46 82 83 00-4456	EA	2196EX Battery Module only, Zone 1 and Cl I, Div 1 approved. Includes permanently-installed rechargeable batteries. (Teledyne Isco 602004540)	3,048.73	151.30
46 82 83 00-4457	EA	2194EX Network Interface Module, with up to 245' (75 m) CA75EX cable, Zone 0 approved. Includes Network Interface connector Kit (60-2004-468), Power Adapter Cable (69-2004-451), and 2100EX bottom plate. (Teledyne Isco 682000037) Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. The 2194EX module can be networked with other 2100 series devices in the safe area and can be used to retrieve data through an Isco RS232 cable (60-2004-046 or 60-5314-232, not included). Can be powered by Isco 910/920 series power packs, Isco 934 or 940 series batteries, or a 12 or 24 Volt DC source rated for the power requirements. Customer must specify cable length (up to 245').	7,760.20	385.14
46 82 83 00-4458	EA	2194EX Network Interface Module, with up to 490' (150 m) CA150EX cable, Zone 0 approved. Includes Network Interface connector Kit (60-2004-468), Power Adapter Cable (69-2004-451), and 2100EX bottom plate. (Teledyne Isco 682000038) Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. The 2194EX module can be networked with other 2100 series devices in the safe area and can be used to retrieve data through an Isco RS232 cable (60-2004-046 or 60-5314-232, not included). Can be powered by Isco 910/920 series power packs, Isco 934 or 940 series batteries, or a 12 or 24 Volt DC source rated for the power requirements. Customer must specify cable length (up to 490').	7,959.18	395.02
46 82 83 00-4459	EA	2194EX Network Interface Module Only, Zone 0 approved. (Teledyne Isco 602004333) Note: The 2194EX module is to be installed in the safe area where it can serve as a network isolator and power supply for a 2150EX module installed in a potentially explosive atmosphere. Requires a power source, Network Interface connector Kit (60-2004-468), and a 2100EX bottom plate.	5,978.54	296.71
46 82 83 00-4460	EA	AV2150EX Area Velocity EX Sensor for 2150EX, 2151, and 2151P, with 3 meter (10 ft) level measurement range and 10 meter (33 ft) cable, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004331)	3,117.35	154.72
46 82 83 00-4461	EA	AV2150EX-CTL Area Velocity EX Sensor for 2150EX, 2151, and 2151P, with 3 meter (10 feet) level measurement range and 25 meter (82 ft), Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004334) Note: Contact factory for cable lengths less than 25 meters.	3,375.79	167.54
46 82 83 00-4462	EA	Charger for 2196EX Battery Module. (Teledyne Isco 682000044)	457.43	22.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4463	EA	Cable assembly, 2196EX charger. (For use with Isco Model 963 or 965 battery chargers.) (Teledyne Isco 602004547)	224.14	11.12
46 82 83 00-4464	EA	RS232EX Isolator cable, 3 m, Zone 0 and Cl I, Div 1 approved. Connects to NET2EX or NET8EX network cable and personal computer D-Sub (Serial Port) connector located in safe area. (Teledyne Isco 602004339)	1,971.50	97.84
46 82 83 00-4465	EA	NET2EX Network Cable, 2 m, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004335) Note: Provides connection to RS232EX Isolator Cable or RS485EX Isolator Cable.	1,479.77	73.43
46 82 83 00-4466	EA	NET8EX Network cable, 8 m, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 602004336) Note: Provides connection to RS232EX Isolator Cable or RS485EX Isolator Cable.	1,246.47	61.87
46 82 83 00-4467	EA	RS485EX Isolator cable, 3 m, Zone 0 approved. (Teledyne Isco 602004340) Note: Connects to NET2EX or NET8EX network cable and to 2100 Series product located in safe area.	1,303.66	64.71
46 82 83 00-4468	EA	CA75EX Network Interface EX cable assembly, 75 meters for 2194EX and single or dual 2150EX, Zone 0 approved. (Teledyne Isco 602004337) Note: Contact factory for cable lengths less than 75 meters (246 feet).	992.61	49.26
46 82 83 00-4469	EA	CA150EX Network Interface EX cable assembly, 150 meters for 2194EX and single 2150EX, Zone 0 approved. (Teledyne Isco 602004338) Note: Contact factory for cable lengths less than 150 meters (492 feet).	1,454.61	72.20
46 82 83 00-4470	EA	2100EX Bottom Plate for 2194EX, 2191EX, and 2150EX, Zone 0 and Cl I, Div 1 approved. (Teledyne Isco 682000028)	480.30	23.84
46 82 83 00-4471	EA	2151 Flow System with two 6 Voly DC alkaline batteries, Eveready Energizer 529. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable, carrying handle with suspension strap, RS232 Barrier Communication Cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000008) Note: Requires Flowlink software (sold separately).	14,838.84	736.46
46 82 83 00-4472	EA	2151 Flow System with two 6 Volt DC alkaline batteries. Eveready Energizer 529. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 682000009) Note: Requires Flowlink software and RS232 Barrier Communication Cable (both sold separately).	13,713.57	680.60
46 82 83 00-4473	EA	2151P Flow System. Includes 2100 Series Connect Cable and Area Velocity Sensor with 10 ft. (3 m) level measurement range and 25 ft. (7.6 m) cable. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement handbook. (Teledyne Isco 682000011) Note: Requires Flowlink software (sold separately).	13,176.10	653.94
46 82 83 00-4474	EA	RS232 Communication/Barrier Cable, 25 ft. (7.6 m). Connects 2151 Area Velocity System to PC with 9 pin Serial port connector. (Teledyne Isco 602004153)	1,038.35	51.54
46 82 83 00-4475	EA	NTWK ISLTR HAZLOC Network Communication Isolator. Connects 2151 Area Velocity Flow System to 2100 series product located in the safe area. DIN rail mounted. (Teledyne Isco 602004224) Note: Requires cable (CA ASSY CSA NTWK or CA ASSY CSA NTWK75) to connect to Isolator.	1,020.05	50.62
46 82 83 00-4476	EA	CA ASSY CSA NTWK Network Communication/Barrier Cable, 25 ft. (7.6 m). (Teledyne Isco 602004201) Note: Connects 2151 Area Velocity Flow System to 2100 series product located in the safe area.	903.42	44.83
46 82 83 00-4477	EA	CA ASSY CSA NTWK75 Network communication/barrier cable, 75 ft. (23 m). (Teledyne Isco 602004263) Note: Connects 2151 area velocity flow system to 2100 series product located in the safe area.	1,159.57	57.55
46 82 83 00-4478	EA	Maintenance Kit for 2151 Flow System. Includes four O-rings for connectors, silicon grease for O-ring lubricant, hydrophobic filter, two O-rings for desiccant cartridge, desiccant, and instructions. (Teledyne Isco 602009005)	121.22	6.01
46 82 83 00-4479	EA	Entity Rated Power Barrier. CSA approved power isolator. Converts 100-250 Volt AC to intrinsically-safe 12 Volt DC out. DIN rail mounted. (Teledyne Isco 341001201)	3,247.71	161.18
46 82 83 00-4480	EA	Dummy Barrier. Secures and terminates unused wires in the hazardous area. DIN rail mounted. (Teledyne Isco 109022008)	354.51	17.59
46 82 83 00-4481	EA	2151 Flow System Instruction Manual. (Teledyne Isco 602004162)	135.97	
46 82 83 00-4482	EA	Flowlink 5.1 Software, two user licenses. For retrieving measurement, parameter, and sample data from Isco 2100 Series Modules and 2101 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a database and generates a variety of user-customizable graphs and tables. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Operates on Windows XP, Vista, 7, Server 2003, and Server 2008. Supplied on CD-ROM. Software supports multiple languages, one of which is selected during installation. (Teledyne Isco 682540200)	4,700.03	233.26
46 82 83 00-4483	EA	Flowlink LE Software, single user license. For retrieving measurement, parameter, and sample data from Isco 2100 Series Modules, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a database and generates a graph and table of a single data series. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel. Operates on Windows XP, Vista, 7, Server 2003, and Server 2008. Supplied on CD-ROM. Software supports multiple languages, one of which is selected during installation. Note that Flowlink LE does not support the 2101 Field Wizard, data editing, and graphs using multiple data series. If these functions are needed, order Flowlink 5.1 instead. (Teledyne Isco 682540201)	686.13	34.06
46 82 83 00-4484	EA	Flowlink 5.1 Software Lease, two user licenses for lease customers. Contact factory for pricing based on lease period. (Teledyne Isco 682540203)	4,700.03	233.26
46 82 83 00-4485	EA	Flowlink 5.1 Software, One additional user license. (Teledyne Isco 682540204)	891.98	44.27
46 82 83 00-4486	EA	Flowlink 5.1 software, two user licenses. Special pricing for Flowlink 5.0 users. (Teledyne Isco 682540209)	297.32	14.76
46 82 83 00-4487	EA	Flowlink 5.1 Software. Special pricing to upgrade additional user licenses of Flowlink 5.0 previously purchased as catalog number 68-2540-204. (Teledyne Isco 682540275)	68.62	3.40
46 82 83 00-4488	EA	Flowlink 5.1 Software, two user licenses. Special pricing for current Flowlink 4 users. (Teledyne Isco 682540205)	1,829.69	90.80
46 82 83 00-4489	EA	Flowlink 5.1 Software, two user licenses. Special pricing for current Flowlink LE users. (Teledyne Isco 682540208)	4,071.08	202.05
46 82 83 00-4490	EA	Flowlink Pro software, two total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540276)	7,055.76	350.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4491	EA	Flowlink Pro software, five total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540277)	16,478.70	817.83
46 82 83 00-4492	EA	Flowlink Pro software, eight total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but not included. (Teledyne Isco 682540270)	23,545.90	1,168.58
46 82 83 00-4493	EA	Flowlink Pro software, fifteen total licenses. Supplied on CD-ROM. For retrieving flow, rainfall, parameter and sample data from Isco 2100 Series Modules and 2100 Field Wizard, 4100 Series Flow Loggers, 4200 Series Flow Meters, Pulsed Doppler Flow Meters, 6700 Series/Avalanche Samplers, 676 and 677 Logging Rain Gauge Systems, and 581 Rapid Transfer Device. Stores data in a Microsoft SQL or Oracle central database and generates a variety of graphs and tables from stored data. Data can also be exported in ASCII format for analysis by programs such as Microsoft Excel, HTML format for viewing in a web browser, and PDF format for viewing in Adobe Reader. Server software to support central database connections, pushed instrument data, server alarms, and web display of data. Flowlink Server operates on Windows Server 2003 and Server 2008. Enterprise database software required but excluded. (Teledyne Isco 682540278)	38,858.16	1,928.53
46 82 83 00-4494	EA	Flowlink Pro Software, one additional license. (Teledyne Isco 682540271)	3,522.15	174.81
46 82 83 00-4495	EA	Flowlink Pro Software, special pricing for current Flowlink 5 users, eight total licenses. Discounts pricing of Flowlink Pro software as described by part number 68-2540-270 for current Flowlink 5 users. (Teledyne Isco 682540272)	18,834.43	934.75
46 82 83 00-4496	EA	Flowlink Pro Software, special pricing for current Flowlink 5 users, two total licenses. Discounts pricing of Flowlink Pro software as described by part number 68-2540-276 for current Flowlink 5 users. (Teledyne Isco 682540279)	2,355.72	116.92
46 82 83 00-4497	EA	accQpulse Shallow Water ADFM. Includes sensor with 15m (49 ft.) cable, NEMA 6P (IP68) field housing, WinADFM software, and operation manual. Replaces 687400010 when 10m cable inventory is depleted. (Teledyne Isco 687400015)	35,692.79	1,771.44
46 82 83 00-4498	EA	accQpulse Shallow Water ADFM. Includes sensor with 45 m (147 ft.) cable, NEMA 6P (IP68) field housing, WinADFM software, and operation manual. (Teledyne Isco 687400045)	38,037.08	1,887.79
46 82 83 00-4499	EA	accQpulse Deep Water ADFM. Includes sensor with 15m (49 ft.) cable, IP68 field housing, WinADFM software, and operation manual. (Teledyne Isco 687400315)	38,037.08	1,887.79
46 82 83 00-4500	EA	accQpulse Deep Water ADFM. Includes sensor with 45 m (147 ft.) cable, IP68 field housing, WinADFM software, and operation manual. (Teledyne Isco 687400345)	39,395.64	1,955.21
46 82 83 00-4501	EA	accQpulse electronics assembly. (Teledyne Isco 627400010)	27,429.43	1,361.32
46 82 83 00-4502	EA	IS shallow water accQpulse sensor with 15 m (49 ft.) cable. (Teledyne Isco 607404915)	8,322.83	413.06
46 82 83 00-4503	EA	IS shallow water accQpulse sensor with 45 m (147 ft.) cable. (Teledyne Isco 607404945)	10,406.40	516.47
46 82 83 00-4504	EA	IS deep water accQpulse sensor with 15 m (49 ft.) cable. (Teledyne Isco 607904915)	10,406.40	516.47
46 82 83 00-4505	EA	IS deep water accQpulse sensor with 45 m (147 ft.) cable. (Teledyne Isco 607904945)	12,693.53	629.98
46 82 83 00-4506	EA	RS232 Communication Cable, 10 ft. (3 m). Connects accQpulse, ADFM Box, or ADFM Canister with Amp connectors to PC with 9-pin serial port connector. (Teledyne Isco 607004057)	198.98	9.88
46 82 83 00-4507	EA	Wall/Console mounting kit, accQpulse electronics. (Teledyne Isco 607409001)	128.08	6.37
46 82 83 00-4508	EA	SPA 1939. Extension cable for accQpulse sensor. Total cable length should not exceed 150 ft. without prior factory approval. (Teledyne Isco 605314939)	1,623.85	80.59
		For Each LF Of AccQpulse Sensor Extension Cable, Add	*11.93*	
46 82 83 00-4509	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 15 m (49 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module pre-wired with cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400115) Note: The Q75EXT-CTL cable can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS shallow water accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.	40,664.99	2,018.20
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4510	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 45 m (147 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module with pre-wired cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400145) Note: The Q75EXT-CTL cable can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS shallow water accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.	43,318.04	2,149.89
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4511	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 15 m (49 ft.) cable,secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support pre-wired with cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400215) Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.	48,875.75	2,425.71
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4512	EA	IS shallow water accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS shallow water accQpulse sensor with 45 m (147 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support with pre-wired cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400245)	52,009.10	2,581.21
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL and P75EXT-CTL cable lengths on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4513	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 15 m (49 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module pre-wired with cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400415)	42,997.85	2,133.98
		Note: The Q75EXT-CTL cable can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS deepwater accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4514	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 45 m (147 ft.) cable, WinADFM software, operation manual, and 60-7404-023 QBADFM module with pre-wired cut-to-length Q75EXT-CTL barrier to sensor extension cable. (Teledyne Isco 687400445)	45,673.78	2,266.79
		Note: The Q75EXT-CTL cable can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of IS deepwater accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4515	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 15 m (49 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support pre-wired with cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400515)	51,208.60	2,541.49
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 60 m (196 ft) for additional cost. Specify Q75EXT-CTL cable length on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4516	EA	IS deepwater accQpulse flow meter system with QBADFM Barrier module and secondary pressure sensor. Base price includes accQpulse electronics assembly, IS deepwater accQpulse sensor with 45 m (147 ft.) cable, secondary pressure sensor (specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order), WinADFM software, operation manual, and 60-7404-022 QBADFM module with secondary pressure sensor support with pre-wired cut-to-length Q75EXT-CTL and P75EXT-CTL barrier to sensor extension cables. (Teledyne Isco 687400545)	54,341.97	2,696.99
		Note: The Q75EXT-CTL and P75EXT-CTL cables can be cut to length up to 30 m (98 ft) for additional cost. Specify Q75EXT-CTL and P75EXT-CTL cable lengths on order. Total length of either sensor cable plus extension cable cannot exceed 75 m (245 ft). Order power accessories separately. Contact factory for assistance with conduit applications.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4517	EA	QBADFM Barrier Module without secondary pressure sensor support. (Teledyne Isco 607404023)	4,825.83	239.51
		Note: Base price includes module pre-wired with cut-to-length Q75EXT-CTL barrier to IS accQmin sensor extension cable. Specify the Q75EXT-CTL cable length on order. Total length of IS accQmin sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft).		
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4518	EA	accQpulse Secondary Pressure Sensor Kit for QBADFM Barrier Module 60-7404-023. Kit installs accQpulse Secondary Pressure Sensor Upgrade Kit (60-7407-001), Signal Barrier (109-0220-24) with mounting bracket, and cut-to-length P75EXT-CTL secondary pressure sensor extension cable. (Teledyne Isco 687400107)	2,241.38	111.24
		Note: Specify cable lengths on order. Total length of secondary pressure sensor cable plus P75EXT-CTL cable cannot exceed 75 m (245 ft). Requires IS secondary pressure sensor for accQpulse at desired cable length and depth range, ordered separately.		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
46 82 83 00-4519	EA	QBADFM Barrier Module with secondary pressure sensor support. (Teledyne Isco 607404022)	6,998.58	347.34
		Note: Module includes accQpulse Secondary Pressure Sensor Factory Upgrade 68-7400-107. Module is pre-wired with cut-to-length Q75EXT-CTL barrier to IS accQmin sensor extension cable and cut-to-length P75EXT-CTL barrier to pressure sensor extension cable. Specify cable lengths on order. Total length of each pair of sensor cable plus extension cable cannot exceed 75 m (245 ft).		
		For Each LF Of P75EXT-CTL Cable, Add	*2.16*	
		For Each LF Of Q75EX-CTL Cable, Add	*11.68*	
46 82 83 00-4520	EA	accQpulse Secondary Pressure Sensor Kit for QBADFM Barrier. (Teledyne Isco 607407001)	480.30	23.84
		Note: Allows use of any "MTL 700" barrier. Includes components to field upgrade IS accQpulse barrier for the secondary pressure option. Kit includes stand-alone signal barrier mounting bracket, scaling resistor, label, and input cable. Order the signal barrier, secondary pressure sensor, and P75EXT-CTL secondary pressure sensor extension cable separately as needed.		
46 82 83 00-4521	EA	Q75EXT-CTL IS accQpulse sensor extension cable, custom length. (Teledyne Isco 607404975)	594.66	29.51
		Note: Base price includes 1 m (3 ft). Total length of IS accQpulse sensor cable plus Q75EXT-CTL cable cannot exceed 75 m (245 ft). Specify extension cable length on order.		
		For Each LF Of AccQpulse Sensor Extension Cable, Add	*11.93*	
46 82 83 00-4522	EA	P75EXT-CTL secondary pressure sensor extension cable, custom length. (Teledyne Isco 607404875)	274.45	13.62
		Note: Base price includes 1 m (3 ft). Total length of secondary pressure sensor cable plus P75EXT-CTL cable cannot exceed 75 m (245 ft). Specify extension cable length on order.		
		For Each LF Of Extension Cable, Add	*2.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4523	EA	Signal Barrier replacement, MTL700 Series Analog 4-20. Stand-alone signal barrier for secondary pressure sensor. (Teledyne Isco 109022024)	834.80	41.44
46 82 83 00-4524	EA	Power Supply Kit, 18 Volt DC chassis mount, for IS accQpulse installations. (Teledyne Isco 607404028) Note: This 30 watt power supply accepts universal AC input (100-240 Volt AC 50/60 Hz) at wire terminals and includes cable and connector for accQpulse electronics. Voltage suitable for accQcomm power. For DIN rail mounting use 109022025 mounting bracket.	386.52	19.19
46 82 83 00-4525	EA	SPA 1905, DC 24 Volt - 18 Volt power cable pigtail for IS accQpulse systems with Amp connector. (Teledyne Isco 605314905) Note: Provides recommended 18 Volt DC from user supplied - 24 Volt DC supplies.	365.94	18.15
46 82 83 00-4526	EA	ADFM Pro20-HTI-Box. (Teledyne Isco 687200006) Note: Includes hot tap insertion sensor with 15 m (49 ft.) cable, NEMA 4X box housing, WinADFM software, and operation manual.	54,447.18	2,702.21
46 82 83 00-4527	EA	ADFM Pro20-HTI-Box. (Teledyne Isco 687200016) Note: Includes hot tap insertion sensor with 30 m (98 ft.) cable, NEMA 4X box housing, WinADFM software, and operation manual.	54,504.35	2,705.06
46 82 83 00-4528	EA	ADFM Pro20-Box. Replacement electronics in NEMA 4X (IP66) box housing. (Teledyne Isco 627100005)	29,714.25	1,474.72
46 82 83 00-4529	EA	Hot Tap Insertion sensor with 15 m (49 ft.) cable. (Teledyne Isco 607004077)	24,099.37	1,196.05
46 82 83 00-4530	EA	Hot Tap Insertion sensor with 30 m (98 ft.) cable. (Teledyne Isco 607004078)	24,991.35	1,240.33
46 82 83 00-4531	EA	RS232 Communication Cable, 10 ft. (3 m). Connects ADFM Canister with Crown connector to PC with 9-pin serial port connector. (Teledyne Isco 607004027)	247.01	12.26
46 82 83 00-4532	EA	SPA 1677. Cut to Length cable and custom length shaft Hot Tap, Specify shaft length (max 1.52 m/60 inches) and cable length (max 30 m/98 feet). (Teledyne Isco 605314677)	26,690.70	1,324.65
46 82 83 00-4533	EA	H-ADFM 1200. 1200 KHz 20 m (65 ft.) range Channel Master sensor with RS232 personality module (Teledyne Isco 687300232) Note: Includes 25 m (82 ft.) cable, NEMA 4X box enclosure, accQcomm Digital Interface Module, WinHADFM software, and operation manual.	49,230.25	2,443.31
46 82 83 00-4534	EA	H-ADFM 1200. 1200 KHz 20 m (65 ft.) range Channel Master sensor with RS422 personality module (Teledyne Isco 687300422) Note: Includes 25 m (82 ft.) cable, NEMA 4X box enclosure, accQcomm Digital Interface Module, WinHADFM software, and operation manual.	48,029.52	2,383.71
46 82 83 00-4535	EA	H-ADFM slide mount kit. (Teledyne Isco 607309001) Note: Kit includes spacers, top and bottom mounting brackets, mounting feet, and hardware. Customer must supply rails.	997.18	49.49
46 82 83 00-4536	EA	accQcomm Digital Interface Module. (Teledyne Isco 687500010)	4,736.63	235.08
46 82 83 00-4537	EA	accQcomm Digital Interface Module with one 4-20 mA output. (Teledyne Isco 687500011)	5,063.67	251.31
46 82 83 00-4538	EA	accQcomm Digital Interface Module with two 4-20 mA outputs. (Teledyne Isco 687500012)	5,438.77	269.93
46 82 83 00-4539	EA	accQcomm Digital Interface Module with three 4-20 mA outputs. (Teledyne Isco 687500013)	5,802.43	287.98
46 82 83 00-4540	EA	accQcomm Digital Interface Module with four 4-20 mA outputs. (Teledyne Isco 687500014)	6,177.52	306.58
46 82 83 00-4541	EA	SPA 1719. for mounting the accQcomm module remote from an ADFM or accQpulse. (Teledyne Isco 605314719) Note: Includes RS-232 to RS-422 converter, NEMA 4X enclosure, power cable, and cut-to-length RS232 signal cable.	1,038.35	51.54
		For Each LF Of RS232 Signal Cable, Add	*7.05*	
46 82 83 00-4542	EA	Power Supply Kit, 24 Volt DC, for analog output modules. (Teledyne Isco 607009001) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). Power supply cable terminates in a connector compatible with the jack on the analog output module circuit board. (Kit included with analog output module)	137.23	6.82
46 82 83 00-4543	EA	Power Supply Kit, 24 Volt DC, for accQcomm. (Teledyne Isco 607504017) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 VAC, 50-60 Hz). Power supply cable terminates in individual conductors prepared for wiring into the accQcomm DC +/- terminals. (Kit included with accQcomm)	164.68	8.17
46 82 83 00-4544	EA	Power Supply Kit, 24 Volt DC, for accQpulse/ADFM. (Teledyne Isco 607504018) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 Volt AC, 50-60 Hz). Power supply cable terminates in a connector compatible with the DC power supply connector on the accQmin, ADFM box electronics assembly, or ADFM canister electronics assembly with Amp connectors. (Not required if used with accQcomm)	221.85	11.01
46 82 83 00-4545	EA	Power Supply Kit, 24 Volt DC, for non-IS ADFM canister. (Teledyne Isco 607104011) Note: Kit includes a 24 Volt DC, 15 watt power supply with interchangeable plugs for domestic or international use. Power supply plugs directly into a standard AC outlet (100-240 Volt AC, 50-60 Hz). Power supply cable terminates in a connector compatible with the DC power supply connector on the non-IS ADFM canister with Crown connectors. (Not required if used with accQcomm)	217.28	10.78
46 82 83 00-4546	EA	Power supply, 24 Volt DC DIN Rail Mount. (Teledyne Isco 109022019) Note: This 45 watt power supply accepts universal AC input (100-240 Volt AC) and 24 Volt DC at 2 amperes maximum. Includes short circuit, overload, over voltage, and over temperature protection.	240.15	11.92
46 82 83 00-4547	EA	ADFM Sensor Debris Fairing Kit, 3-inch lift. (Teledyne Isco 607004042)	2,696.52	133.82
46 82 83 00-4548	EA	ADFM Sensor Debris Fairing Kit Spacer, 1-inch lift. (Teledyne Isco 607004043)	766.17	38.03
46 82 83 00-4549	EA	ADFM Sensor Debris Fairing Kit Spacer, 2-inch lift. (Teledyne Isco 607004044)	891.98	44.27
46 82 83 00-4550	EA	ADFM Sensor Debris Fairing Kit Spacer, 4-inch lift. (Teledyne Isco 607004045)	1,177.87	58.45
46 82 83 00-4551	EA	Hardware Kit, ADFM fairing/spacer. (Teledyne Isco 607619001) Note: Kit includes all hardware required to mount the ADFM sensor to the fairing and/or spacers and secure the fairing/spacers to the mounting rings. Kit accommodates up to 8 inches total fairing/spacer height. If greater height is required use multiple kits.	937.71	46.54
46 82 83 00-4552	EA	Deep Water accQpulse Sensor Debris Fairing Kit, 3-inch lift (Teledyne Isco 60-7404-046)	1,406.58	69.81
46 82 83 00-4553	EA	Deep Water accQpulse Sensor Debris Fairing only, 3-inch lift (Teledyne Isco 607403040)	1,360.84	67.54
46 82 83 00-4554	EA	Deep Water accQpulse Sensor Debris Fairing Kit Spacer , 1-inch lift (Teledyne Isco 607004090)	1,532.38	76.04
46 82 83 00-4555	EA	Deep Water accQpulse Sensor Debris Fairing Kit Spacer , 2-inch lift (Teledyne Isco 607004091)	1,543.80	76.63
46 82 83 00-4556	EA	Deep Water accQpulse Sensor Debris Fairing Kit Spacer , 4-inch lift (Teledyne Isco 607004092)	1,555.25	77.19
46 82 83 00-4557	EA	accQpulse shallow water flow conditioning platform for 8-inch round pipe. (Teledyne Isco 607404002)	2,355.72	116.92
46 82 83 00-4558	EA	accQpulse shallow water flow conditioning platform for 12-inch round pipe. (Teledyne Isco 607404003)	2,415.21	119.86
46 82 83 00-4559	EA	accQpulse shallow water flow conditioning platform for 18-inch round pipe. (Teledyne Isco 607404004)	2,355.72	116.92
46 82 83 00-4560	EA	accQpulse shallow water flow conditioning platform for 24-inch round pipe. (Teledyne Isco 607404005)	2,355.72	116.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4561	EA	SPA 1763. Custom-length pressure sensor for accQpulse. (Teledyne Isco 605314763) Note: Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order.	4,888.72	242.63
46 82 83 00-4562	EA	Secondary Pressure (depth) sensor for IS accQmin with 15 meter (49 ft) cable. Specify depth range (psi). (Teledyne Isco 607404815)	5,379.31	266.97
46 82 83 00-4563	EA	Secondary Pressure (depth) sensor for IS accQmin with 45 meter (147 ft) cable. Specify depth range (psi). (Teledyne Isco 607404845)	5,477.65	271.85
46 82 83 00-4564	EA	Secondary Depth Sensor, Custom length, for Intrinsically-safe accQpulse. (Teledyne Isco 607404899) Note: Specify cable length (max 250' meters maximum) at time of order. Specify maximum pressure rating at time of order.	5,706.37	283.21
46 82 83 00-4565	EA	Ultrasonic Secondary Depth System for ADFM and accQpulse. Isco 3010 ultrasonic flow meter, sensor with custom-length interface cable, and sensor mounting bracket (Teledyne Isco 685304008) Note: Specify cable length (250 ft. or 76.2 meters maximum) when ordering.	5,043.10	250.29
46 82 83 00-4566	EA	accQpulse Console, 115/230 Volt AC, Without Heater. Dimensions (L x W x D): 24 x 24 x 10 inches (61 x 61 x 25 cm). (Teledyne Isco 607404017)	5,720.08	283.88
46 82 83 00-4567	EA	ADFM/accQpulse Console, 115 Volt AC, Without Heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800015)	8,885.47	440.99
46 82 83 00-4568	EA	ADFM/accQpulse Console, 115 Volt AC, With 400 Watt Heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800415)	9,775.15	485.15
46 82 83 00-4569	EA	ADFM/accQpulse Console, 115 Volt AC, With 800 Watt Heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800815)	9,905.51	491.61
46 82 83 00-4570	EA	ADFM/accQpulse Console, 230 Volt AC, without heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800023)	8,668.18	430.20
46 82 83 00-4571	EA	ADFM/accQpulse Console, 230 Volt AC, with 400 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800423)	9,537.29	473.34
46 82 83 00-4572	EA	ADFM/accQpulse Console, 230 Volt AC, with 800 watt heater. Dimensions (L x W x D): 36 x 36 x 10 inches (91 x 91 x 25 cm). (Teledyne Isco 627800823)	9,663.09	479.58
46 82 83 00-4573	EA	DC power cable pigtail for accQpulse, ADFM Box, and ADFM canister with Amp connectors (Teledyne Isco 607004062)	141.81	7.04
46 82 83 00-4574	EA	DC power cable pigtail for ADFM canister with Crown connectors (Teledyne Isco 607004041)	141.81	7.04
46 82 83 00-4575	EA	ADFM/accQpulse suspension harness kit. (Teledyne Isco 607109002)	235.57	11.70
46 82 83 00-4576	EA	SPA 1788. This Interface allows for a 2150 to enable/activate a ADFM on high flow/level conditions, via a 2105. 2150 used for normal flow conditions and ADFM for high flow conditions. (Teledyne Isco 605314788) Note: Uses the sample enable signal off the 2105 and redirects to control relay connected to ADFM Requires other standard cabling. Housed in a NEMA 4X box this unit is suitable as an accessory for in-field units.	1,213.32	60.22
46 82 83 00-4577	EA	SPA 1804. This Interface allows for a 2150 to enable/activate a ADFM on high flow/level conditions, via a 2105. Interface is internal to ADFM. Internal version of SPA 1788. 2150 used for normal flow conditions and ADFM for high flow conditions.(Teledyne Isco 605314804) Note: Uses the sample enable signal off the 2105 and redirects to control relay connected to ADFM Requires other standard cabling. Housed in the ADFM unit this accessory must be ordered along with the ADFM or contact factory for details.	1,213.32	60.22
46 82 83 00-4578	EA	SPA 1936. Extension cable for ADFM sensor, cut to length. Total cable length should not exceed 150 ft. without prior factory approval. (Teledyne Isco 605314936)	1,623.85	80.59
		For Each LF Of Extension Cable For ADFM Sensor, Add	*15.45*	
46 82 83 00-4579	EA	Flowlink Global One year Subscription for ONE database access (Teledyne Isco 682540280)	2,744.54	136.21
46 82 83 00-4580	EA	Flowlink Global One year Subscription for TEN database access (Teledyne Isco 682540283)	19,211.81	953.48
46 82 83 00-4581	EA	Flowlink Global One year Subscription for TWENTY FIVE database access (Teledyne Isco 682540286)	34,306.79	1,702.64
46 82 83 00-4582	EA	Flowlink Global One year Renewal Subscription for ONE database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540281)	2,332.85	115.78
46 82 83 00-4583	EA	Flowlink Global One year Renewal Subscription for TEN database access.Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540284)	16,330.03	810.46
46 82 83 00-4584	EA	Flowlink Global One year Renewal Subscription for TWENTY FIVE database access. Please provide serial number of initial Flowlink Global subscription when ordering. (Teledyne Isco 682540287)	29,160.79	1,447.25
46 82 83 00-4585	EA	Sampler/flow meter cable, 10 ft., connects to sampler or flow meter. (Teledyne Isco 602544025)	272.17	13.51
46 82 83 00-4586	EA	Computer cable, 3 ft. Connects to computer, for computer with 9-pin connector. (Teledyne Isco 602544026)	201.27	9.99
46 82 83 00-4587	EA	Interrogator/Solar Panel extension cable, 25 ft. Connects between Sampler/flow meter cable (60-2544-025) and computer cable (60-2544-026 or 60-2544-027) to increase the distance between the sampler or flow meter and computer. Multiple extensions, up to four, may be used. (Teledyne Isco 602544028)	215.00	10.66
46 82 83 00-4588	EA	RTD extension cable. 25 ft., connects to flow meter or sampler and allows 581 RTD to retrieve data from an instrument located in a manhole or similar inaccessible location in which you cannot connect the RTD directly to the instrument. Multiple extension cables may be connected together. (Teledyne Isco 603774012)	263.01	13.05
46 82 83 00-4589	EA	581 RTD instruction manual. (Teledyne Isco 609003085)	61.80	
46 82 83 00-4590	EA	6712Ci modem module with 60-2004-550 dual band magnetic mount antenna. (Teledyne Isco 686710148)	5,157.46	255.97
46 82 83 00-4591	EA	Sensor carrier for attaching DO and temperature probes to Isco Mounting Rings. (Teledyne Isco 603204006)	121.22	6.01
46 82 83 00-4592	EA	Sensor carrier for attaching temperature probe only to Isco Mounting Rings. (Teledyne Isco 603204010)	107.49	5.33
46 82 83 00-4593	EA	ADFM/accQpulse Sensor and Fairing Mounting Plate. Mounts sensor to channel bottom with or without a fairing and spacers (ordered separately). 11" x 17" (Teledyne Isco 607613003)	269.88	13.40
46 82 83 00-4594	EA	Partial Ring for 54 inch and larger pipes. (Teledyne Isco 683000063) Note: Includes base section, one pair of 20 inch extensions, one pair of 30 inch extensions, and one pair of 40 inch extensions.	1,299.09	64.48
46 82 83 00-4595	EA	Scissors Ring scissors mechanism only. (Teledyne Isco 603004170)	638.11	31.67
46 82 83 00-4596	EA	Street Level Installation Tool Multi-section pole. (Teledyne Isco 603204012) Note: Includes one 2-1/2 ft. pole section with adapter for attaching mounting ring, six 2-1/2 ft. pole sections, and instruction manual.	1,600.98	79.46
46 82 83 00-4597	EA	Street Level Installation Tool Mounting Ring for 6 inch diameter pipe. (Teledyne Isco 603204014) Note: Includes strap.	558.05	27.69
46 82 83 00-4598	EA	Street Level Installation Tool Mounting Ring for 8 inch diameter pipe. (Teledyne Isco 603204015) Note: Includes strap.	558.05	27.69
46 82 83 00-4599	EA	Street Level Installation Tool Mounting Ring for 10 inch diameter pipe. (Teledyne Isco 603204016) Note: Includes strap.	558.05	27.69
46 82 83 00-4600	EA	Street Level Installation Tool Mounting Ring for 12 inch diameter pipe. (Teledyne Isco 603204017) Note: Includes strap.	558.05	27.69
46 82 83 00-4601	EA	Street Level Installation Tool Mounting Ring for 15 inch diameter pipe. (Teledyne Isco 603204018) Note: Includes strap.	558.05	27.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4602	EA	SPA 1307. 4-inch Street Level Mounting Ring (Teledyne Isco 605314307) Note: For use with low profile sensors. Ring only, excludes poles.	672.42	33.37
46 82 83 00-4603	EA	SPA 1989. 5-inch Street Level Mounting Ring. Similar to our street level mounting rings, but for 5 inch pipes. Ring only, excludes poles. (Teledyne Isco 605314989)	709.01	35.19
46 82 83 00-4604	EA	SPA 1831. 7-inch Street Level Mounting Ring (Teledyne Isco 605314831) Note: For use with low profile sensors. Ring only, excludes poles.	672.42	33.37
46 82 83 00-4605	EA	SPA 1305. 9-inch Street Level Mounting Ring. (Teledyne Isco 605314305) Note: Similar to our street level mounting rings, but for 9 inch pipes. Ring only, excludes poles.	672.42	33.37
46 82 83 00-4606	EA	SPA 2035. 14-inch Street Level Mounting Ring. (Teledyne Isco 605324035) Note: Similar to our street level mounting rings, but for 14 inch pipes. Ring only, excludes poles.	1,022.33	50.74
46 82 83 00-4607	EA	SPA 1767. 18-inch Street Level Mounting Ring. (Teledyne Isco 605314767) Note: Similar to our street level mounting rings, but for 18 inch pipes. Ring only, excludes poles.	1,006.33	49.95
46 82 83 00-4608	EA	SPA 928. 674 Rain Gauge Extension Cable, cut to length. Connects to existing 50 ft. cable on 674 Rain Gauges. Total length should not exceed 1,000 ft. Specify length when ordering. (Teledyne Isco 605304928) Note: When ordering a new rain gauge, the standard 50 ft. cable can be increased without the use of this extension cable. Use 60-5304-781.	240.15	11.92
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4609	EA	SPA 729 Rain Gauge Actuator for Model 5800/4700 refrigerated sampler or 3700 series, for direct connection to Model 674 Rain Gauge (excluded) and sampler's flow meter port, enables the sampler to run a timed program after a rain event totaling 0.1 inches occurs (10 bucket tips) within a 90 minute period. (Teledyne Isco 605304729) Note: This total of rainfall before sampler enable can be set by the customer from 0.01 to 0.99 inches through the use of 2 internally located switches. SPA 729 contains circuitry to automatically reset the internal counter every 90 minutes during events that total less than 0.1 inch. For connection to 5800/4700 sampler also order adaptor 60-5314-697 (5800/4700 to 6712 style flow meter port) or adaptor 60-5314-704 (5800/4700 to 6712 style flow meter port and duplicate of 16 pin 4700/5800 connector. No external disable/enable of sampler, contact factory for external flow pacing details.	1,054.37	52.33
46 82 83 00-4610	EA	SPA 739 Rain Gauge Actuator With Total Rainfall Display for Model 5800/4700 refrigerated sampler or 3700 series, for direct connection to Model 674 Rain Gauge (excluded) and sampler's flow meter port, enables the sampler to run a timed program after a rain event totaling 0.1 inches occurs (10 bucket tips) within a 90 minute period. (Teledyne Isco 605304739) Note: This total of rainfall before sampler enable occurs can be set by the customer from 0.01 to 0.99 inches through the use of 2 internally located switches. SPA 739 contains circuitry to automatically reset the internal counter every 90 minutes during events that total less than 0.1 inch. A resettable digital totalizer mounted in the front panel displays the total amount of bucket tips. For connection to 5800/4700 sampler also order adaptor 60-5314-697 (5800/4700 to 6712 style flow meter port) or adaptor 60-5314-704 (provides 6712 style flow meter port and duplicate of 16 pin 4700/5800 connector. No external disable/enable of sampler, contact factory for external flow pacing details.	1,187.02	58.90
46 82 83 00-4611	EA	SPA 822. Extra set of contacts for Model 674 Rain Gauge. Necessary if connecting to additional non-Isco device. Also required is 50 ft. rain gauge connect cable 60-3004-149 or cut to length version 60-5304-781. (Teledyne Isco 605304822)	617.52	30.65
46 82 83 00-4612	EA	Rain Logging System, 0.01 inch. (Teledyne Isco 683280002) Note: Includes 674 tipping bucket rain gauge, 4120 Flow Logger to record rain events, and 50 ft. of connect cable.	3,762.31	186.72
46 82 83 00-4613	EA	Rain Logging System, 0.1 mm. (Teledyne Isco 683280003) Note: Includes 674 tipping bucket rain gauge, 4120 Flow Logger to record rain events, and 15.25 m of connect cable.	4,279.20	212.38
46 82 83 00-4614	EA	SPA 781. Modification to 674 Rain Gauge for Custom Cable Length. Modifies the 674 rain gauge to have a custom length cable for connection to the 4100/4200 flow meter or 6712 sampler. (Teledyne Isco 605304781) Note: May be ordered in tandem with the 674 rain gauge or easily installed on an existing 674 rain gauge. May also be employed with the 676 Rain Logging System. Maximum length of 1,000 ft. For the 677 Rain Logging System use custom length cable part number 60-5314-752.	75.47	3.74
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4615	EA	SPA 865. Stainless Steel Wall Mounting Bracket for 676 rainfall logger. Allows logger to be mounted to panel or wall. (Teledyne Isco 605304865)	452.86	22.47
46 82 83 00-4616	EA	677 Rain logging system, 0.01 inch. (Teledyne Isco 682000051) Note: Includes 674 tipping bucket rain gauge, 2105 Network Interface module, 2191 Battery Module, carrying handle, maintenance kits, and 2105 to 674 rain gauge connect cable.	7,181.55	356.42
46 82 83 00-4617	EA	677ci Rain Logging System 0.01 inch/tip. Consists of 2105ci interface module, 674 rain gauge with 2105 connector and 2191 battery module. (Teledyne Isco 682000100)	9,651.64	479.02
46 82 83 00-4618	EA	677ci Rain Logging System 0.1 mm/tip. Consists of 2105ci interface module, 674 rain gauge with 2105 connector and 2191 battery module. (Teledyne Isco 682000101)	9,651.64	479.02
46 82 83 00-4619	EA	677 Rain logging system, 0.1 mm. (Teledyne Isco 682000054) Note: Includes 674 tipping bucket rain gauge, 2105 Network Interface module, 2191 Battery Module, carrying handle, maintenance kits, and 2105 to 674 rain gauge connect cable.	7,181.55	356.42
46 82 83 00-4620	EA	677g Rain logging system, 0.1 mm, with GSM/GPRS cellular modem communication. (Teledyne Isco 682000056) Note: Includes 674 tipping bucket rain gauge, 2105g GSM/GPRS Network Interface module, 2191 Battery Module, carrying handle, magnet mount antenna, maintenance kits, and 2105 to 674 rain gauge connect cable.	9,651.64	479.02
46 82 83 00-4621	EA	SPA 1752 Custom length Cable for connection between 2105 and 674 rain gauge. May be easily installed on an existing 674 rain gauge. (Teledyne Isco 605314752) Note: Maximum length of 1,000 ft.	423.12	21.00
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4622	EA	Model 934 Nickel-Cadmium Battery. Rechargeable, 12 Volt DC, 4 amp-hours. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and 150 Portable Peristaltic Pump. (Teledyne Isco 601684040) Note: Recharge using Model 961 or 965 battery charger.	601.52	29.85
46 82 83 00-4623	EA	Model 961 Battery Charger. Powered by 120 Volt AC, 60 Hertz. (Teledyne Isco 603004059) Note: For charging Isco 934 Nickel-Cadmium Batteries one at a time.	269.88	13.40
46 82 83 00-4624	EA	Model 965 Five-Station Battery Charger with European 240 Volt AC power cord. (Teledyne Isco 683000966) Note: Powered by 120 or 240 Volt AC, 50/60 Hertz (user-switched). CE Approved. Charges five Isco 934 Nickel-Cadmium Batteries, or five Isco 946 or 947 Lead-Acid Batteries, simultaneously.	1,587.26	78.77
46 82 83 00-4625	EA	Connect cable, solar panel to sampler or flow meter, 25 ft. For connecting solar panel, battery, and sampler or flow meter. For use with Isco GLS, 3700, 6100, and 6700 Series Portable Samplers; 4200 Series Flow Meters; and 150 Portable Peristaltic Pump. (Teledyne Isco 603004097) Note: This is for 10 watt solar panels only, panel not included.	377.37	18.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4626	EA	Solar panel connect cable, 25 ft. For use with Isco 4100 Series Flow Loggers only. For connecting solar panel, battery, and Flow Logger. (Teledyne Isco 603114010) Note: Compatible with 10 watt solar panels only, panel not included.	359.08	17.82
46 82 83 00-4627	EA	Solar panel 'Y' cable, 6' (Teledyne Isco 603004098) Note: For connecting solar panels in parallel. Compatible with 10 watt solar panels only, panel not included.	297.32	14.76
46 82 83 00-4628	EA	Connect cable for external 12 Volt DC source. Six ft. cable for powering Isco flow loggers from an external 12 Volt DC source, such as an automotive or deep-cycle marine battery. Terminates in heavy-duty battery clips. (Teledyne Isco 603114016) Note: For use with 4100 Series Flow Loggers Only.	198.98	9.88
46 82 83 00-4629	EA	Flow Logger external power connect cable. Connects Flow Logger to external Isco power source with two-pin Amphenol connector, such as an Isco Power Pack. (Teledyne Isco 603114002)	198.98	9.88
46 82 83 00-4630	EA	SPA 1478. Solar Panel Lead-acid Battery Charger, 10 watt. (Teledyne Isco 605314478) Note: Directly charges Isco 946 and 948 12 Volt DC batteries. 947 battery requires 603114015. Do NOT charge NiCad Batteries with this charger. Includes pole mount bracket and 25 ft. connect cable. Not recommended for non-Isco batteries. Use SPA 1629 or SPA 1347 for higher output solar panels recommended for use with non-Isco batteries.	1,729.06	85.81
46 82 83 00-4631	EA	SPA 1834. Current Solar Panel Regulator for all 10 watt and 40 watt solar panels. Model SK-6 voltage regulator. Not encased, for installation into existing junction box on solar panels. (Teledyne Isco 605314834) Note: This item is normally purchased for spare, replacement, or troubleshooting. May require alteration to junction box of solar panel.	221.85	11.01
46 82 83 00-4632	EA	Solar panel instruction manual. (Teledyne Isco 603003269)	37.08	
46 82 83 00-4633	EA	SPA 1061. Isco to Sigma flow meter to sampler connect cable, built to length. Allows for flow pacing and event marks. To enable/disable a Sigma sampler from an Isco flow meter see SPA 788. Maximum length is 1,000 ft. (Teledyne Isco 605314061) Note: Power supplies for the sampler and the flow meter must be separate. For use with 5800/4700 also order adapter 60-5314-697 or 60-5314-704.	219.57	10.89
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-4634	EA	SPA 1520. Modification to a 6712 full-size portable sampler's center section to replace the stainless steel bulkhead fitting with a PEEK fitting. Provides the connection between the pump tube and the discharge tube. This PEEK bulkhead fitting is often used when sampling trace metals. (Teledyne Isco 605314520) Note: This item may be installed as a field kit. Use also PTFE-coated strainer 60-5304-820 and PEEK tubing coupler 60-5304-983.	464.28	23.05
46 82 83 00-4635	EA	SPA 1556. SDI-12 Cable Assembly for 6712 sampler, terminates in pigtails. Connects to the 6712's I/O, Rain Gauge port. Built to customer desired length. (Teledyne Isco 605314556)	251.58	12.48
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-4636	EA	SPA 1411. Heavy-duty modem connect cable, cut-to-length. Connects to 5-pin internal modem connector, other end is unterminated. Cable jacket is suitable for burying or routing through manholes. Specify length when ordering. (Teledyne Isco 605314411)	285.89	14.19
		For Each LF Of Heavy-duty Modem Connect Cable, Add	*4.86*	
46 82 83 00-4637	EA	SPA 1607. Suspension hardware. Used to hang the 2110 Ultrasonic sensor by its cable over the measuring point. Hardware keeps the sensor level. (Teledyne Isco 605314607) Note: Not for use in areas subject to wind.	866.81	43.02
46 82 83 00-4638	EA	SPA 588. Enclosure Heater. Provides a 30 watt, thermostatically controlled heater for the Signature (not portable) flow meters. Powered by its own AC line cord, this option will extend the useful function of the flow meter display. (Teledyne Isco 605304588)	1,200.74	59.60
46 82 83 00-4639	LF	SPA 121. Three conductor cable, 18 gauge, cut to length. (Teledyne Isco 605304121)	3.48	0.17
46 82 83 00-4640	LF	SPA 260. Two conductor cable, 18 gauge, cut to length. (Teledyne Isco 605304260)	4.99	0.25
46 82 83 00-4641	EA	SPA 1016. Area Velocity Simulator. This simulator used with 4150, 4250, and 750 modules to create a fixed, artificial velocity and level reading. (Teledyne Isco 605314016) Note: Used for field/lab testing and troubleshooting.	974.32	48.35
46 82 83 00-4642	EA	SPA 1071. Extension Cable for 581 Rapid Transfer Device (RTD), built to length. This cable would be used when access to the Isco 6712/Avalanche sampler is limited, yet RTD interrogation is desired. (Teledyne Isco 605314071) Note: A maximum of 200 ft. of cable can be routed to a point convenient for connection to the RTD. Not for use with 5800/4700 or sampler or flow meter with internal modem.	178.39	8.86
		For Each LF Of Extension Cable, Add	*5.19*	
46 82 83 00-4643	EA	SPA 1125. 6700 Series Sampler YSI 600 Sonde Adapter cable, built to length. (Teledyne Isco 605314125) Note: This cable is the same as 60-0604-001, but in a cut to length version, with a maximum length of 200 ft. Connects to YSI field cable, and to YSI units with integral connect cable. Please specify length when ordering. For 6712 sampler use SPA 1400 for non-600 Sonde adapter cable.	233.29	11.58
		For Each LF Of Extension Cable, Add	*3.13*	
46 82 83 00-4644	EA	SPA 1308. Single bottle, 10-liter size, poly with lids. This is the bottle used with SPA 1012. To achieve set of four bottles order (4x) 60-5314-308. (Teledyne Isco 605314308)	61.75	3.06
46 82 83 00-4645	EA	SPA 1730. Custom-length pressure sensor for ADFM. Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order. (Teledyne Isco 605314730)	4,888.72	242.63
46 82 83 00-4646	EA	SPA 1762. Custom-length pressure sensor for Intrinsically-safe ADFM. Specify maximum pressure rating (2.5 to 30 psi), and cable length (250 ft. or 76.2 meters maximum) at time of order. (Teledyne Isco 605314762)	4,888.72	242.63
46 82 83 00-4647	LF	SPA 720. PTFE Bubble Line, 1/16-inch ID, per ft. Comes with two silicon end tubes. Maximum available length is 200 ft. (Teledyne Isco 605304720)	7.09	0.35
46 82 83 00-4648	EA	SPA 840. 720 Module Interface to allow 4-20 mA input. This interface replaces the level sensor and allows an isolated 4-20 mA signal representing level or flow to be recorded by the 720. The 720 is programmed with a linear equation to allow proper reading of the 4-20 mA input. (Teledyne Isco 605304840)	2,113.30	104.88
46 82 83 00-4649	EA	SPA 1356. External Modem, CE approved, DC powered, for use with Isco instruments. (Teledyne Isco 605314356) Note: Compliant with phones systems around the world. Cable to connect to interrogator port is included. Not intended for use with 2100 systems. Modem software included. Modem would require recasing at additional charge if to be used in wet environment.	2,691.94	133.60
46 82 83 00-4650	EA	SPA 1508. Sample Initiation Alarm with Auto Reset. Serves to provide an alarm at a predetermined total flow for customers with daily discharge limits. Counts sample initiation signals and triggers a FORM C relay when total is reached. Auto resets at customer determined interval. (Teledyne Isco 605314508)	4,375.26	217.15
46 82 83 00-4651	EA	SPA 1563. GSM Cell Phone Modem Package. (Teledyne Isco 605314563) Note: This cell phone modem accepts SIM cards purchased by the customer from their preferred provider. Connects to 4100/4200 flow meters and 6712 samplers. Text message output capable for 6712 samplers. Primarily for use in overseas and select U.S. markets.	5,571.42	276.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4652	EA	Dura Tracker + Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800001) Note: Requires Flowlink software and computer connect cable (sold separately).	7,547.50	374.57
46 82 83 00-4653	EA	Dura Tracker without Battery Box + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800002) Note: Requires Flowlink software and computer connect cable (sold separately).	5,717.79	283.77
46 82 83 00-4654	EA	Dura Tracker + CDMA Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800011) Note: Requires Flowlink software and computer connect cable (sold separately).	9,720.26	482.41
46 82 83 00-4655	EA	Dura Tracker without Battery Box + CDMA Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800012) Note: Requires Flowlink software and computer connect cable (sold separately).	7,890.55	391.61
46 82 83 00-4656	EA	Dura Tracker + GSM/GPRS Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800021) Note: Requires Flowlink software and computer connect cable (sold separately).	9,720.26	482.41
46 82 83 00-4657	EA	Dura Tracker without Battery Box + GSM/GPRS Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800022) Note: Requires Flowlink software and computer connect cable (sold separately).	7,890.55	391.61
46 82 83 00-4658	EA	TIENet 350 + 10 m cable with TIENet plug (Teledyne Isco 604854004)	4,231.17	210.00
46 82 83 00-4659	EA	TIENet 350 + 23 m cable with TIENet plug (Teledyne Isco 604854005)	4,425.57	219.65
46 82 83 00-4660	EA	TIENet 350 + CTL m cable with TIENet plug (Teledyne Isco 604854006)	4,231.17	210.00
		For Each LF Of Extension Cable, Add	*4.33*	
46 82 83 00-4661	EA	TIENet 305 + 5 m cable with TIENet plug (Teledyne Isco 604804018)	2,858.89	141.90
46 82 83 00-4662	EA	In-pipe mounting for TIENet 310 Ultrasonic using Isco mounting ring. (Teledyne Isco) Note: This kit provides mounting hardware required to attach the sensor to an Isco mounting ring (not included).	846.25	42.00
46 82 83 00-4663	EA	6 Volt DC, Alkaline Lantern Battery. Non-rechargeable (Teledyne Isco 340-2006-02) Note: For use with Isco DuraTracker, 2191 Battery Module (2 required) or 4100 Series Flow Loggers (2 required).	64.05	3.17
46 82 83 00-4664	EA	Dura TrackerEx + Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800101) Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).	8,233.63	408.64
46 82 83 00-4665	EA	Dura TrackerEx without Battery Box + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800102) Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).	6,403.94	317.83
46 82 83 00-4666	EA	Dura TrackerEx + CDMA Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800111) Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).	10,520.76	522.14
46 82 83 00-4667	EA	Dura TrackerEx without Battery Box + CDMA Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800112) Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).	8,691.06	431.34
46 82 83 00-4668	EA	Dura TrackerEx + GSM/GPRS Modem+ Battery box + battery holders + carrying handle with suspension strap + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800121) Note: With battery box. Requires Flowlink software and computer connect cable (sold separately).	10,520.76	522.14
46 82 83 00-4669	EA	Dura TrackerEx without Battery Box + GSM/GPRS Modem + instruction manual+ coupon for free Isco Open Channel Flow Measurement Handbook. (Teledyne Isco 684800122) Note: Without battery box; With Mounting plate. Requires Flowlink software and computer connect cable (sold separately).	8,691.06	431.34

46 82 83 00-4670 Data Acquisition Unit *(46 82 83 00-0001)*

46 82 83 00-4671 Eurotherm Data Acquisition Units *(46 82 83 00-4670)*

Note: Price is for base unit See CSI section 46 82 83 00-4686 for all applicable add-on features.

46 82 83 00-4672	EA	Data Acquisition Unit 6 Channels Eurotherm Data Acquisition 5000B	4,826.42	
46 82 83 00-4673	EA	Data Acquisition Unit 12 Channels Eurotherm Data Acquisition 5000B	5,757.83	
46 82 83 00-4674	EA	100mm Data Acquisition Unit Accessories 0 Channels Eurotherm Data Acquisition 5100V	5,600.41	
46 82 83 00-4675	EA	100mm Data Acquisition Unit Accessories 6 Channels Eurotherm Data Acquisition 5100V	6,781.08	
46 82 83 00-4676	EA	100mm Data Acquisition Unit Accessories 12 Channels Eurotherm Data Acquisition 5100V	7,961.74	
46 82 83 00-4677	EA	180mm Data Acquisition Unit Accessories 0 Channels Eurotherm Data Acquisition 5180V	8,224.11	
46 82 83 00-4678	EA	180mm Data Acquisition Unit Accessories 6 Channels Eurotherm Data Acquisition 5180V	9,273.59	
46 82 83 00-4679	EA	180mm Data Acquisition Unit Accessories 12 Channels Eurotherm Data Acquisition 5180V	10,323.07	
46 82 83 00-4680	EA	180mm Data Acquisition Unit Accessories 18 Channels Eurotherm Data Acquisition 5180V	11,372.55	
46 82 83 00-4681	EA	180mm Data Acquisition Unit Accessories 24 Channels Eurotherm Data Acquisition 5180V	12,422.03	
46 82 83 00-4682	EA	180mm Data Acquisition Unit Accessories 30 Channels Eurotherm Data Acquisition 5180V	13,923.49	
46 82 83 00-4683	EA	180mm Data Acquisition Unit Accessories 36 Channels Eurotherm Data Acquisition 5180V	14,972.97	
46 82 83 00-4684	EA	180mm Data Acquisition Unit Accessories 42 Channels Eurotherm Data Acquisition 5180V	16,022.45	
46 82 83 00-4685	EA	180mm Data Acquisition Unit Accessories 48 Channels Eurotherm Data Acquisition 5180V	17,071.93	

46 82 83 00-4686 Eurotherm Data Acquisition Unit Add-ons *(46 82 83 00-4670)*

Note: Prices as add-ons to base unit See CSI section 46 82 83 00-4671 for base unit.

46 82 83 00-4687	EA	16Mb Flash Card, For Eurotherm Data Acquisition Unit	196.78	
46 82 83 00-4688	EA	32Mb Flash Card, For Eurotherm Data Acquisition Unit	236.13	
46 82 83 00-4689	EA	64Mb Flash Card, For Eurotherm Data Acquisition Unit	301.73	
46 82 83 00-4690	EA	256Mb Flash Card, For Eurotherm Data Acquisition Unit	865.82	
46 82 83 00-4691	EA	512Mb Flash Card, For Eurotherm Data Acquisition Unit	1,443.04	
46 82 83 00-4692	EA	1Gb Flash Card, For Eurotherm Data Acquisition Unit	2,886.07	
46 82 83 00-4693	EA	3 Form C Relay Option Card (1Pcb), For Eurotherm Data Acquisition Unit	550.98	
46 82 83 00-4694	EA	RS232 or RS484 Serial Comms Option Card, For Eurotherm Data Acquisition Unit	446.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4695	EA	6 Event Inputs (1 Card), For Eurotherm Data Acquisition Unit	472.27	
46 82 83 00-4696	EA	Shuns, For Eurotherm Data Acquisition Unit	28.86	
46 82 83 00-4697	EA	Attenuator, For Eurotherm Data Acquisition Unit	55.10	
46 82 83 00-4698	EA	External Power Supply, For Eurotherm Data Acquisition Unit	550.98	
46 82 83 00-4699	EA	12 Channel Math (each per 12), For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4700	EA	Batch, For Eurotherm Data Acquisition Unit	590.33	
46 82 83 00-4701	EA	Screen Builder, For Eurotherm Data Acquisition Unit	327.96	
46 82 83 00-4702	EA	Advance Screen Builder, For Eurotherm Data Acquisition Unit	721.52	
46 82 83 00-4703	EA	Timers, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4704	EA	Viewing Bridge, For Eurotherm Data Acquisition Unit	511.62	
46 82 83 00-4705	EA	Full Configuration Bridge, For Eurotherm Data Acquisition Unit	773.99	
46 82 83 00-4706	EA	Auditor Features, For Eurotherm Data Acquisition Unit	1,574.22	
46 82 83 00-4707	EA	Circular Trend, Display, For Eurotherm Data Acquisition Unit	131.18	
46 82 83 00-4708	EA	Log Scales, For Eurotherm Data Acquisition Unit	327.96	
46 82 83 00-4709	EA	Modbus Master, For Eurotherm Data Acquisition Unit	524.74	
46 82 83 00-4710	EA	Review Full, For Eurotherm Data Acquisition Unit	773.99	
46 82 83 00-4711	EA	Security Manager, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4712	EA	Email, For Eurotherm Data Acquisition Unit	262.37	
46 82 83 00-4713	EA	CSV Output, For Eurotherm Data Acquisition Unit	393.56	
46 82 83 00-4714	EA	Portable Handle, For Eurotherm Data Acquisition Unit	393.56	

46 82 83 00-4715 Elpro Systems Wireless *(46 82 83 00-4670)*

46 82 83 00-4716	EA	Telemetry Device With I/O, Elpro Systems 905U-1	4,335.07	
46 82 83 00-4717	EA	Telemetry Device With I/O, Elpro Systems 905U-2	4,492.49	
46 82 83 00-4718	EA	Telemetry Device With I/O, Elpro Systems 905U-3	4,492.49	
46 82 83 00-4719	EA	Telemetry Device With I/O, Elpro Systems 905U-4	4,335.07	
46 82 83 00-4720	EA	Telemetry Device Transmit Only, Elpro Systems 905U-K	2,970.74	
46 82 83 00-4721	EA	Telemetry Device With I/O, Elpro Systems 905U-C	4,466.25	
46 82 83 00-4722	EA	Telemetry Device, Elpro Systems 905U-G-MD1	5,469.23	
46 82 83 00-4723	EA	Telemetry Device, Elpro Systems 905U-G-PR1	6,151.39	
46 82 83 00-4724	EA	Telemetry Device, Elpro Systems 905U-G-ET1	6,597.42	
46 82 83 00-4725	EA	Serial Slave Device, Elpro Systems 105S-1	2,944.51	
46 82 83 00-4726	EA	Serial Slave Device, Elpro Systems 105S-2	3,580.16	
46 82 83 00-4727	EA	Serial Slave Device, Elpro Systems 105S-3	3,580.16	
46 82 83 00-4728	EA	Serial Slave Device, Elpro Systems 105S-4	3,396.51	
46 82 83 00-4729	EA	Modbus To Modbus, Elpro Systems 905U-D	3,895.01	
46 82 83 00-4730	EA	5 dB Collinear Antennae, Elpro Systems	593.31	
46 82 83 00-4731	EA	8 dB Collinear Antennae, Elpro Systems	829.44	
46 82 83 00-4732	EA	10dB Yagi Antennae, Elpro Systems	803.20	
46 82 83 00-4733	EA	15dB Yagi Antennae, Elpro Systems	1,223.00	
46 82 83 00-4734	EA	-2dB Dipole Whip Antennae, Elpro Systems	593.31	
46 82 83 00-4735	EA	Collinear Antennae Mounting Kit, Elpro Systems	278.46	
46 82 83 00-4736	EA	Yagi Antennae Mounting Kit, Elpro Systems	330.94	
46 82 83 00-4737	EA	110 Volt AC To 20 Volt DC, Power Pack, Elpro Systems	304.70	
46 82 83 00-4738	EA	Surge For Antennae, Elpro Systems	538.21	
46 82 83 00-4739	EA	Surge For Power, Elpro Systems	485.74	

46 82 83 00-4740 Additional Controls And Accessories *(46 82 83 00-0001)*

46 82 83 00-4741 Hach Controllers And Accessories *(46 82 83 00-4740)*

46 82 83 00-4742	EA	Hach SC 100 Controller (2) Sensors, Modbus Output, P/N LXV401.52.02002	4,307.91	113.00
46 82 83 00-4743	EA	Hach SC 1000 Probe Module - 4 Sensors, 4ma Output, 4ma/DigitIN, 4 Relays, RS-485 Modbus 100-240 V With US Power Cord, P/N LXV400.99.1B572	5,466.02	113.00
46 82 83 00-4744	EA	Hach SC 1000 Probe Module - 6 Sensors, 4ma Output, 4ma/DigitIN, 4 Relays, RS-485 Modbus 100-240 V With US Power Cord, P/N LXV400.99.5B532	5,686.73	113.00
46 82 83 00-4745	EA	Hach SC 1000 Display Module, P/N LXV402.99.00002 Note: Required for either the 4 or 6 channel Probe module.	6,081.03	113.00

46 82 83 00-4746 Hach LDO Sensor And Accessories *(46 82 83 00-4740)*

Note: Requires SC100 or SC1000 controller

46 82 83 00-4747	EA	Hach LDO Process Dissolved Oxygen Probe, P/N 5790000	3,975.60	113.00
46 82 83 00-4748	EA	Hach Pole Mount Kit, P/N LXV 57944-00	996.38	28.25
46 82 83 00-4749	EA	Digital Termination Box (Hach 5867000)	406.02	28.25

46 82 83 00-4750 Hach pH/ORP Sensors And Accessories *(46 82 83 00-4740)*

Note: Requires SC100 or SC1000 controller

46 82 83 00-4751	EA	Hach pH Digital Sensor - Wide Range, PEEK, Convertible Style, P/N DPD1P1	2,196.21	56.50
46 82 83 00-4752	EA	Hach ORP Digital Sensor, PEEK, Convertible Style, P/N DRD1P5	2,335.22	56.50
46 82 83 00-4753	EA	Hach 1" Handrail Mounting Kit For pH/ORP, P/N MH236B00Z	1,010.72	56.50

46 82 83 00-4754 Hach Suspended Solids Sensors *(46 82 83 00-4740)*

Note: Requires SC100 or SC1000 controller

46 82 83 00-4755	EA	Hach Solitax Sensor - Turbidity And Suspended Solids, TS-Line SC, Polyvinyl Chloride (PVC) With Wiper (0.001 To 4000 NTU, 0.001 mg/L to 50g/L), P/N LXV423.99.10100	9,239.99	113.00
46 82 83 00-4756	EA	Sensor Adapter, P/N AHA033NPT	316.51	28.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4757		**Hach Sludge Level Monitor Sensor** *(46 82 83 00-4740)* Note: Requires SC100 or SC1000 controller		
46 82 83 00-4758	EA	Hach Sonatax SC Sludge Level Probe With Pivot Mount, P/N 5773000	6,860.88	113.00
46 82 83 00-4759		**Hach CL-17 Chlorine Monitor** *(46 82 83 00-4740)*		
46 82 83 00-4760	EA	Hach CL17 Total Residual Chlorine Analyzer, P/N 5440002	7,160.75	113.00
46 82 83 00-4761	EA	Hach Total Chlorine Reagents, P/N 2557000	141.45	
46 82 83 00-4762		**Sigma Open Channel Flow Meter** *(46 82 83 00-4740)*		
46 82 83 00-4763	EA	Hach Sigma 980 Permanent Flow Meter, P/N 9700400	4,231.03	113.00
46 82 83 00-4764		**Marsh McBirney Open Channel Flow Meter** *(46 82 83 00-4740)*		
46 82 83 00-4765	EA	Marsh McBirney Model 4000-600 Standard Sensor Cable Length of 30' Of Sensor Cable (Non I.S.)	12,010.70	113.00
46 82 83 00-4766	EA	Flo-Station With Display (Marsh McBirney Model 1204-20) Note: Includes (4) 4-20mA Outputs And Require Flo-Ware Software With Communication Cable, 120/240 Volt AC Powered	10,132.85	113.00
46 82 83 00-4767		**Scott Gas Detection Equipment** *(46 82 83 00-4740)*		
46 82 83 00-4768	EA	Quadscan II Remote Monitor (Scott Safety 7400-4-1-1) Note: 4 channels, no relay package, and no battery back-up.	3,831.17	113.00
46 82 83 00-4769		**Audio Visual Alarm Stations** *(46 82 83 00-4740)*		
46 82 83 00-4770	EA	Single Strobe, Single Siren, Audio Visual Alarm Station (Scott Safety AV1-N4X, 978-13x000-0xx)	1,081.05	56.40
46 82 83 00-4771	EA	Dual Strobe, Single Siren, Audio Visual Alarm Station (Scott Safety AV2-N4X, 978-23xx00-0xx)	1,390.06	56.40
46 82 83 00-4772	EA	120 Volt AC Replacement Strobe (Scott Safety 354-4950x6-120)	386.02	
46 82 83 00-4773	EA	24 Volt DC, Replacement Strobe (Scott Safety 354-4950x6-024)	344.81	
46 82 83 00-4774	EA	120 Volt AC Replacement Horn (Scott Safety 356-350003-120)	262.41	
46 82 83 00-4775	EA	240 Volt AC Replacement Horn (Scott Safety 356-350003-240)	324.21	
46 82 83 00-4776	EA	12 Volt DC, Replacement Horn (Scott Safety 356-450003-012)	324.21	
46 82 83 00-4777	EA	24 Volt DC, Replacement Horn (Scott Safety 356-450003-024)	344.81	
46 82 83 00-4778	EA	120 Volt AC Alone Horn With Back Box (Scott Safety 356-350WBO-120)	504.22	56.40
46 82 83 00-4779	EA	240 Volt AC Stand Alone Horn With Back Box (Scott Safety 356-350WBO-240)	504.22	56.40
46 82 83 00-4780	EA	12 Volt DC, Stand Alone Horn With Back Box (Scott Safety 356-450WBO-012)	545.42	56.40
46 82 83 00-4781	EA	24 Volt DC, Stand Alone Horn With Back Box (Scott Safety 356-350WBO-024)	545.42	56.40
46 82 83 00-4782	EA	Single Strobe, Single Siren, Class I, Division 2, Continious Tone Siren (Scott Safety 977-1Lx000-0Fx)	3,511.96	56.40
46 82 83 00-4783	EA	Dual Strobe, Single Siren, Class I, Division 2, Continious Tone Siren (Scott Safety 977-2Lx000-0Fx)	4,995.24	56.40
46 82 83 00-4784	EA	Class I, Division 2, Replacement Strobe (Scott Safety 354-1516x6-xxx) Note: Complete the part number using the information below: Position 8 (xxx-xxxx_x-xxx) Color of Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 10, 11, 12 (xxx-xxxxxx-_ _ _) Voltage: 120-120VAC, 240-240VAC	2,902.19	
46 82 83 00-4785	EA	Class I, Division 2, Replacement Horn (Scott Safety 356-35W006-xxx) Note: Complete the part number using the information below: Position 10, 11, 12 (xxx-xxxxxx-_ _ _) Voltage: 120-120VAC, 240-240VAC	2,648.00	
46 82 83 00-4786	EA	Single Strobe, Single Siren, Class I, Division 2, Multitone Siren (Scott Safety 977-1Lx000-03x) Note: Complete the part number using the information below: Position 6 (xxx-xx_xxx-xxx) Color of 1st Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear	8,958.00	56.40
46 82 83 00-4787	EA	Dual Strobe, Single Siren, Class I, Division 2, Multitone Siren (Scott Safety 977-2Lx000-03x) Note: Complete the part number using the information below: Position 6 (xxx-xx_xxx-xxx) Color of 1st Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 7 (xxx-xxx_xx-xxx) Color of 2nd Strobe: 2-Red, 4-Amber, 5-Green, 6-Blue, 7-Magenta, 9-Clear Position 12 (xxx-xxxxxx-xx_) Voltage: 2-24 Volt DC, 3-120 Volt AC, 4-240 Volt AC	10,584.45	56.40
46 82 83 00-4788	EA	Class I, Division 2, Replacement Multitone Horn (Scott Safety 356-889321-MV0)	2,981.74	
46 82 83 00-4789	EA	Single Strobe, Single Siren, Class I, Division 1, Multitone Siren (Scott Safety 977-16x000-03x)	8,930.03	56.40
46 82 83 00-4790	EA	Dual Strobe, Single Siren, Class I, Division 1, Multitone Siren (Scott Safety 977-26xx00-03x)	12,741.21	56.40
46 82 83 00-4791		**Chessell Graphic Recorder** *(46 82 83 00-4740)* Note: Modbus master comms, ethernet comms, 96 math channels, 96M of internal memory, 2 serial ports, 3 relays outputs, bridge light and review light		
46 82 83 00-4792	EA	6 Input Channel Graphic Recorder With 6" Touchscreen Note: 6100A/U06/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	11,475.93	113.00
46 82 83 00-4793	EA	12 Input Channels Graphic Recorder With 6" Touchscreen Note: 6100A/U12/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	12,713.39	113.00
46 82 83 00-4794	EA	12 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U12/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	15,193.11	113.00
46 82 83 00-4795	EA	18 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U18/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	16,673.73	113.00
46 82 83 00-4796	EA	24 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U24/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	17,913.59	113.00
46 82 83 00-4797	EA	48 Input Channel Graphic Recorder With 12" Touchscreen Note: 6180A/U48/PANEL/NOLCK/SLV/VH/NOITPS/XXXXXX/096M/CF/NOMC/NOMS/0RUSB/2SRL/XXXX/NOCAL/03/00/00/00/00/00/NOS/00/XXXXX/BLITE/RLITE/NOADT/NOSM/06	23,111.38	113.00

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

46 82 83 00-4798 Switches, Transmitters And Wireless Devices *(46 82 83 00-4740)*

46 82 83 00-4799	EA	SixNet 5 Port Slimline Unmanaged Switch, Model SL-5ES-1	386.97
46 82 83 00-4800	EA	SixNet 8 Port Slimline Unmanaged Switch, Model SL-8ES-1	627.72
46 82 83 00-4801	EA	SixNet 5 Port Slimline Unmanaged Switch, 4 RJ45, 1 Single Mode Fiber With ST (Or SC Connectors), Model ET-5EB-2ST (SC)	1,135.70
46 82 83 00-4802	EA	SixNet 5 Media Converter, 1 RJ45, 1 Single Mode Fiber With ST (Or SC Connectors), Model SL-2EB-3ST (SC)	1,049.03
46 82 83 00-4803	EA	110 Volt AC Surge Protection, Model MA15/D/1/SI	293.07
46 82 83 00-4804	EA	ModBus 900 MHz Radio Modem, Model 905U-D	1,891.65
46 82 83 00-4805	EA	Ethernet 900 MHz Radio Modem, Model 905U-E	2,149.26
46 82 83 00-4806	EA	Ethernet Gateway 900 MHz Radio Modem, Model 905U-G-ET1	5,105.67
46 82 83 00-4807	EA	Wireless I/O With 2 AI, Model 905U-1	3,360.23
46 82 83 00-4808	EA	Wireless I/O With 6 AI, Model 905U-2	3,552.83
46 82 83 00-4809	EA	Wireless I/O With 8 AO, Model 905U-3	3,552.83
46 82 83 00-4810	EA	Wireless I/O With 24 D I/O, Model 905U-4	3,360.23
46 82 83 00-4811	EA	Ethernet 2.4 GHz Radio Modem (300mW), Model 240U-E	2,243.15
46 82 83 00-4812	LF	LMR 240 Cable	5.22
46 82 83 00-4813	LF	LMR 400 Cable	5.70
46 82 83 00-4814	EA	Coaxial Cable Bulkhead Connection Kit	196.77
46 82 83 00-4815	EA	900 MHz Band, 9 dBi Yagi Antenna, Model HG909Y-NF	417.62
46 82 83 00-4816	EA	900 MHz Band, 8 dBi Omni Antenna, Model HG908U-Pro	489.85
46 82 83 00-4817	EA	2.4 GHz Band, 9 dBi Yagi Antenna, Model HG2409Y	417.62
46 82 83 00-4818	EA	2.4 GHz Band, 8 dBi Omni Antenna, Model HG2408U-Pro	489.85
46 82 83 00-4819	EA	60 Degree Twist And Swivel Antenna Mounting Kit, Model HGX-PMT06	100.47
46 82 83 00-4820	EA	Heavy-Duty Antenna Mounting Bolts And Bases (2), Model HGX-PMT11	112.51
46 82 83 00-4821	EA	Antenna Surge Protector, Model AL-NMNFB-9	341.23
46 82 83 00-4822	EA	RS232 To RS485 Converter, Model KD485-ADE	1,183.85
46 82 83 00-4823	EA	QSC 2-Channel Amplifier, Model CX-602	4,843.25
46 82 83 00-4824	EA	QSC 2-Channel Amplifier, Model CX-302	2,435.75
46 82 83 00-4825	EA	SixNet Signal Convertor, Model ET-GT-ST-3	2,411.67
46 82 83 00-4826	EA	Moore Industries Signal Isolator And Splitter, Model ECT	943.10
46 82 83 00-4827	EA	Atlas Bidirectional Wall Mounted Horn, VT-22	389.37

46 82 83 00-4828 Foxboro Devices *(46 82 83 00-4740)*

46 82 83 00-4829	EA	Foxboro Eycon With 12" Screen And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-1N101SL0EF0XX0	14,550.61
46 82 83 00-4830	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-2N101SL0EF0XX0	15,393.24
46 82 83 00-4831	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, Batch And ELIN Comms Plus Modbus RTU And TCP Slave, Model E20F-3N101SL0EF0XX0	16,596.99
46 82 83 00-4832	EA	Foxboro Eycon With 12" Screen, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-1N201SL0EF0XX0	16,235.87
46 82 83 00-4833	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-2N201SL0EF0XX0	16,837.74
46 82 83 00-4834	EA	Foxboro Eycon With 12" Screen, SP Programmer, Recipe, Report, Batch, And ELIN Comms Plus Modbus RTU And TCP Master/Slave, Model E20F-3N201SL0EF0XX0	18,041.49
46 82 83 00-4835	EA	Foxboro 2 Channel 0-10 Volt Input Module With Termination Assembly, Model AI2/DCTA	810.69
46 82 83 00-4836	EA	Foxboro 3 Channel 4-20mA Input Module With Termination Assembly, No Disconnects, Model AI3/TA	890.13
46 82 83 00-4837	EA	Foxboro 4 Channel T/C Module With Termination Assembly, Model AI4/TCTA	1,075.51
46 82 83 00-4838	EA	Foxboro 4 Channel Relay Output Module With Termination Assembly, Fuses Fitted, Model RLY4/TA	659.01
46 82 83 00-4839	EA	Foxboro 8 Channel Contact Closure Digital Input Module With Termination Assembly, No Disconnects, Model DI8/TA	524.19
46 82 83 00-4840	EA	Foxboro 6 Channel 110 Volt AC Digital Input Module With Termination Assembly, No Disconnects, Model DI6/TA	524.19
46 82 83 00-4841	EA	Foxboro 2 Channel Analog Output Module With Termination Assembly, No Disconnects, Model AO2/TA	1,111.63
46 82 83 00-4842	EA	Foxboro 2 Module Remote Rack, Model 2500B/2way	242.52
46 82 83 00-4843	EA	Foxboro 4 Module Remote Rack, Model 2500B/4way	288.26
46 82 83 00-4844	EA	Foxboro 8 Module Remote Rack, Model 2500B/8way	427.89
46 82 83 00-4845	EA	Foxboro 10 Module Remote Rack, Model 2500B/10way	601.23
46 82 83 00-4846	EA	Foxboro 12 Module Remote Rack, Model 2500B/12way	634.94
46 82 83 00-4847	EA	Foxboro 0 Way T2550 Rack, Model 255BF-R040NONCDM	533.83
46 82 83 00-4848	EA	Foxboro 4 Way T2550 Rack, Model 255BF-R04RNONCDM	533.83
46 82 83 00-4849	EA	Foxboro 6 Way T2550 Rack, Model 255BF-R06RNONCDM	654.20
46 82 83 00-4850	EA	Foxboro 8 Way T2550 Rack, Model 255BF-R08RNONCDM	774.57
46 82 83 00-4851	EA	Foxboro 16 Way T2550 Rack, Model 255BF-R16RNONCDM	1,183.85
46 82 83 00-4852	EA	Foxboro T2550 L20 Processor (50 Standard And 4 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L20F32MBTMMOD0	2,199.18
46 82 83 00-4853	EA	Foxboro T2550 L30 Processor (100 Standard And 8 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L30F32MBTMMOD0	2,704.75
46 82 83 00-4854	EA	Foxboro T2550 L40 Processor (100 Standard And 8 Control Blocks), Modbus TCP Slave, ELIN And Modbus RTU Slave, Model 255F-L40F32MBTMMOD0	3,234.40
46 82 83 00-4855	EA	Foxboro T2550 L20 Processor (50 Standard And 4 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L20F32MBTMSER0	3,089.95
46 82 83 00-4856	EA	Foxboro T2550 L30 Processor (100 Standard And 8 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L30F32MBTMSER0	3,427.00
46 82 83 00-4857	EA	Foxboro T2550 L40 Processor (100 Standard And 8 Control Blocks), Modbus TCP Master/Slave, ELIN And Modbus RTU Slave, Model 255F-L40F32MBTMSER0	3,956.65
46 82 83 00-4858	EA	Foxboro Simplex Processor TA With Battery, Model T255F-IOC-S-RJ45-OB1	184.74
46 82 83 00-4859	EA	Foxboro Redundant Processor TA Without Battery, Model T255TF-IOC-R-RJ45-NON	232.89
46 82 83 00-4860	EA	Foxboro Remote I/O Processor With Modbus Comms And Termination Assembly, Model 2500M/UW/TA	1,163.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 83 00-4861		**Eurotherm Devices** *(46 82 83 00-4740)*		
46 82 83 00-4862	EA	Eurotherm 1/8" Indicator With Two Alarm Outputs And Comms, Model 32h8i/AL/VH/RXXX/R/4XL	1,175.99	
46 82 83 00-4863	EA	Eurotherm 1/8" DIN Indicator With Two Alarm Outputs And Comms, Model 32h8i/AL/VH/RXXX/R/XXX	911.16	
46 82 83 00-4864	EA	Eurotherm 2500 Analog Output Card, Model AO-2	379.75	
46 82 83 00-4865		**M-System Devices** *(46 82 83 00-4740)*		
46 82 83 00-4866	EA	M-System 4-20 mA Signal Splitter, Model W5VS-AAA-M	634.30	
46 82 83 00-4867	EA	M-System Slimline 4-20 mA Signal Splitter, Model M6DWVS-AAA-R	754.68	
46 82 83 00-4868	EA	M-System Alarm Unit, 4-20mA Input, High And Low Relay Outputs Both Alarm Levels Settable From Front Of Unit, Model M2SED-A13-R/UL	706.52	
46 82 83 00-4869		**Licenses** *(46 82 83 00-4740)*		
46 82 83 00-4870	EA	Iconic Genesis 32-75 V9 License With One Year Of Support, Model Gen32V9-75	3,972.38	
46 82 83 00-4871	EA	Iconic Genesis 32-150 V9 License With One Year Of Support, Model Gen32V9-150	6,090.98	
46 82 83 00-4872	EA	Iconic Genesis 32-300 V9 License With One Year Of Support, Model Gen32V9-300	9,268.88	
46 82 83 00-4873	EA	Iconic Genesis 32-500 V9 License With One Year Of Support, Model Gen32V9-500	11,917.12	
46 82 83 00-4874	EA	Iconic Genesis 32-1500 V9 License With One Year Of Support, Model Gen32V9-1500	15,889.50	
46 82 83 00-4875	EA	Iconic WebHMI With 2 Client Licenses With One Year Of Support, Model WebHMIV9	6,620.62	
46 82 83 00-4876	EA	Iconic WebHMI With 5 Client Licenses With One Year Of Support, Model WebHMIV9-5pack	7,944.75	
46 82 83 00-4877	EA	ModBus RTU And TCP OPC Server	2,154.71	

46 82 91 Water Treatment Devices *(46 82)*

46 82 91 00-0001 Water Treatment Devices (REXA) *(46 82 91)*

Note: For domestic or industrial uses, and as tertiary step to render treated waste water suitable for discharge or possible reuse. Excludes raw water or backwash pumps, loss-of-head indicator, sight glasses, backwash flow rate indicator, nor pre-treatment equipment such as flash mixers, clarifiers, and chemical feed equipment.

46 82 91 00-0002 Gate Applications (REXA) *(46 82 91 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 82 91 00-0003	EA	Up To 3', Stroke Gate (REXA-DEP-Gate-36)	75,453.57	1,675.04
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*46,867.28*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0004	EA	3' To 4', Stroke Gate (REXA-DEP-Gate-48)	97,011.74	2,153.62
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*60,257.92*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0005	EA	4' To 5', Stroke Gate (REXA-DEP-Gate-60)	129,348.98	2,871.49
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*80,343.90*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0006	EA	5' To 6', Stroke Gate (REXA-DEP-Gate-72)	161,686.23	3,589.36
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*100,429.88*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0007	EA	6' To 7', Stroke Gate (REXA-DEP-Gate-84)	194,023.48	4,307.24
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*120,515.85*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0008	EA	7' To 8', Stroke Gate (REXA-DEP-Gate-96)	226,360.73	5,025.11
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*140,601.82*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0009	EA	8' To 9', Stroke Gate (REXA-DEP-Gate-108)	258,697.98	5,742.98
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*160,687.80*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0010	EA	9' To 10', Stroke Gate (REXA-DEP-Gate-120)	291,035.22	6,460.86
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*180,773.78*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	
46 82 91 00-0011	EA	10' To 12', Stroke Gate (REXA-DEP-Gate-144)	323,372.47	7,178.73
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Remote Accumulator, Add	*200,859.75*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For 10' Increment Of Shaft Extension, Add	*4,120.20*	
		For External Guide Bushing, Add	*1,545.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0012		**Valve Applications (REXA)** *(46 82 91 00-0001)* Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.		
46 82 91 00-0013	EA	Small Air Valve (REXA-DEP-VLV-SM1)	28,025.62	622.16
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*24,103.17*	
46 82 91 00-0014	EA	Medium Air Valve (REXA-DEP-VLV-SM2)	32,337.25	717.87
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*27,811.35*	
46 82 91 00-0015	EA	Large Air Valve (REXA-DEP-VLV-SM3)	43,116.33	957.16
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*30,901.50*	
46 82 91 00-0016	EA	Small Water/Sludge Valve (REXA-DEP-VLV-MD1)	53,895.41	1,196.45
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*33,476.62*	
46 82 91 00-0017	EA	Medium Water/Sludge Valve (REXA-DEP-VLV-MD2)	64,674.49	1,435.75
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*35,746.20*	
46 82 91 00-0018	EA	Large And Slow Water/Sludge Valve (REXA-DEP-VLV-MD3-A)	97,011.74	2,153.62
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*44,682.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0019	EA	Large And Fast Water/Sludge Valve (REXA-DEP-VLV-MD3-B)	129,348.98	2,871.49
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*59,577.00*	
46 82 91 00-0020	EA	Small And Slow, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG1-A)	161,686.23	3,589.36
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*61,803.00*	
46 82 91 00-0021	EA	Small And Fast, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG1-B)	194,023.48	4,307.24
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*74,163.60*	
46 82 91 00-0022	EA	Medium And Slow, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG2-A)	247,918.89	5,503.69
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*71,073.45*	
46 82 91 00-0023	EA	Medium And Fast, Big Plug Or Butterfly Valve (REXA-DEP-VLV-LG3-B)	269,477.06	5,982.27
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*74,471.25*	

46 82 91 00-0024 Cone Valve Applications (REXA) *(46 82 91 00-0001)*

Note: A radial slotted PVC pipe lateral underdrain with gravel support bed, manual gate valves, manual operation, sand media, influent and effluent pressure gauges, sampling connections and schedule 40 steel pipe with cast iron fittings, flow rate at 5 GPM per SF.

46 82 91 00-0025	EA	5 Seconds Per Inch, Up To 12" Stroke, Cone Valve (REXA-DEP-Cone-12-5)	53,895.41	1,196.45
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*25,751.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 82 91 00-0026	EA	2 Seconds Per Inch, Up To 12" Stroke, Cone Valve (REXA-DEP-Cone-12-2)	64,674.49	1,435.75
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*30,901.50*	
46 82 91 00-0027	EA	5 Seconds Per Inch, 12" To 16" Stroke, Cone Valve (REXA-DEP-Cone-16A-5)	75,453.57	1,675.04
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*36,051.75*	
46 82 91 00-0028	EA	2 Seconds Per Inch, 12" To 16" Stroke, Cone Valve (REXA-DEP-Cone-16A-2)	86,232.66	1,914.33
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*41,202.00*	
46 82 91 00-0029	EA	5 Seconds Per Inch, Large, 16" Stroke Cone Valve (REXA-DEP-Cone-16B-5)	97,011.74	2,153.62
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*46,352.25*	
46 82 91 00-0030	EA	5 Seconds Per Inch, 16" To 22" Stroke, Cone Valve (REXA-DEP-Cone-22-5)	107,790.82	2,392.91
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*51,502.50*	
46 82 91 00-0031	EA	2 Seconds Per Inch, 16" To 22" Stroke, Cone Valve (REXA-DEP-Cone-22-2)	129,348.98	2,871.49
		For Additional 25' Of Enclosure Location, Add	*1,236.06*	
		For Additional 25' Of Remote Accumulator Distance, Add	*2,060.10*	
		For Up To 25' Distance For Remote Mount Power Module, Add	*4,120.20*	
		For Additonal 25' Distance For Remote Mount Power Module, Add	*1,030.05*	
		For 1-Phase Transformer, Add	*4,120.20*	
		For 3-Phase Transformer, Add	*8,240.40*	
		For Up To 3' Gate, Add	*1,854.09*	
		For 3' To 6' Gate, Add	*4,120.20*	
		For > 6' Gate, Add	*8,240.40*	
		For Division 1 Electronics, Add	*14,420.70*	
		For Remote Accumulator, Add	*61,803.00*	

46 86 Sludge Treatment and Handling Equipment for Water Treatment Systems *(46 80)*

46 86 29 Sludge Control Systems *(46 86)*

46 86 29 00-0001 Sludge Level Control Systems, Model 4900SI *(46 86 29)*

46 86 29 00-0002	EA	Sludge Level Control System, Model 4900SL, 2" Or 4" Probe	3,134.72	413.66
46 86 29 00-0003	EA	Sludge Level Control System, Model 4900SL, 6" Or 12"Probe	3,198.66	413.66

46 86 29 00-0004 Sludge Density Controllers, Model 494T *(46 86 29)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
46 86 29 00-0005	EA	Sludge Density Control System, 484T, 4" Pipe Line	4,810.35	620.50
46 86 29 00-0006	EA	Sludge Density Control System, 484T, 6" Pipe Line	5,351.95	827.33
46 86 29 00-0007	EA	Sludge Density Control System, 484T, 8" Pipe Line	6,004.68	827.33

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